



# MANUFACTURER EXPORTER

HENAN HUVLONE HYDRAULIC  
TECHNOLOGY CO.,LTD.



Service Tel:400-100-6819



SPECIALIZED IN MANUFACTURING STEEL WIRE BRAIDED AND SPIRAL RUBBER HYDRAULIC HOSE

专业生产销售钢丝编织/缠绕液压橡胶软管

# 企业简介 Factory Profile



河南汇龙液压科技股份有限公司始建于2003年5月，是一家专业从事液压流体系统研发、生产、销售于一体的高新技术企业，河南省专精特新中小企业、漯河市市长质量奖获得单位。2016年9月公司正式在全国中小企业股份转让系统（新三板）挂牌，股票简称：汇龙液压，股票代码：839266。

公司目前拥有汇龙·威龙（WELONE）、汇龙·阿尔特（AESTR）等多个系列产品，其中AESTR商标被评为河南省著名商标，目前公司生产的系列产品有钢丝缠绕液压软管、钢丝编织液压软管、纤维增强软管、软管总成、软管接头、软管扣压设备。公司的产品经权威机构认证具有柔软性强、脉冲性能好、承压变形小、定长度、使用和维修方便等特点，被广泛用于工程机械、交通运输、工业智能、环境控制、航空航天、能源化工等行业。

公司不断跟踪国内外高端领域市场需求，与多家知名科研院所进行“产学研”合作，致力于液压流体传动系统的新技术、新产品研究开发。公司目前拥有橡胶钢丝增强液压软管工程技术研发中心一座，现科研人员40人，目前研发的项目曾多次获得省级科技成果，发明专利和实用新型专利，并多次参与国家标准的制定。

公司坚持以优质的产品，完善的服务满足客户的需求，现拥有国外进口钢丝缠绕生产线、钢丝编织生产线、意大利比尔玛脉冲试验台等国内外先进的生产及测试设备110余套。

公司一贯奉行“为客户创造价值，为员工创造机会，为社会做出贡献”的企业经营理念，现已实现了产品从单一到多元化的协调发展，形成了以高端液压软管研发为核心，以市场为导向，并拥有快速高效的管理团队和完善的售后服务。

“汇萃精工，龙御管行”，汇龙人始终坚持以品质为本、精益求精、科技创新、客户至上为宗旨，借助IATF16949管理工具，实现精细化管理，致力于为客户提供卓越的产品和服务，为社会创造更多的财富价值。

我们执著，专注高端液压软管研发制造领域。

我们专业，打造国际一流品质，以卓越谱写尊严。

我们诚信，以优质的产品和服务为汇龙液压代言。

我们创新，让高端液压软管开拓汇龙液压的创世纪辉煌。

Henan Huvlone Hydraulic Technology Co., Ltd. was founded in May 2003. As the high-tech enterprise-HUVLONE-focusing on Engineering Rubber R&D, Production and Sales and also being honored with Henan Province Specialization and Special New (small and medium-sized enterprise), Luohe City Mayor Quality Award, and other honorary titles. In Sep. 2016, HUVLONE was officially listed on the National Equities Exchange and Quotations (NEEQ), stock abbreviation: HUVLONE HYDRAULIC, stock code: 839266.

HUVLONE currently owns the registered trademarks such as HUVLONE·WELONE, HUVLONE·AESTR, etc. Especially, the AESTR trademark was honored as a famous trademark in Henan Province. Our main products: steel wire spiral hose, steel wire braided hose, fiber/textile reinforced hose, hose assembly, hose fittings, hose crimping equipments. The products test by the Authoritative Institutions have the features: good flexibility, good Impulse performance, small deformation under high pressure, fixed length, and easy use and maintenance. It is widely used in construction machinery, transportation, industrial intelligence, environmental control, aerospace, energy and chemical industries.

HUVLONE keep learning the advanced technology trends at home and abroad, and cooperates with some well-known scientific research institutes IUR (Industry-University-Research), and is committed to the R&D of new technologies and new products with hydraulic fluid transmission system. Now, HUVLONE own one steel wire reinforced rubber hose R&D center, with 40 scientific researchers, and obtained numbers of provincial scientific research achievements, invention patents and utility model patents, and also participating in the formulation of National Standards.

HUVLONE insists on meeting the customer needs with good quality products and better services. Now, we own more than 110 sets advanced production and testing equipments such as imported steel wire spiral production lines, steel wire braided production lines, Italian Bimal Impulse Test units, etc.

HUVLONE management philosophy: creating value for the customers, creating opportunities for the employees, and contributing to the society, and has gradually realized the products development from simplification to the diversification, being cored on the high-end hydraulic hose R&D, Market-oriented, modern enterprise structure with fast and efficient management team and good after-sales service.

HUVLONE's purpose: quality-oriented, excellence, technology innovation, and customer first, with the IATF16949 management tools, to achieve the refined management, and provide excellent products and service to the customers, and create more wealthy value for the society.

We are persistent, focusing on the high-end hydraulic hoses R&D and production.

We are professional, producing the world-class quality and writing dignity with excellence.

We are honest, providing high-quality products & services and speaking for ourself.

We are innovate, creating the new glory with high-end hydraulic hoses production.

品质为本、精益求精  
科技创新、顾客至上





# FACTORY



# 通用胶管系列

## GENERAL HOSE SERIES

|                 |                                                                                                                       |    |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|----|
| AESTR® HL661-01 | 602 一层钢丝编织橡胶软管<br>602 One steel wire braided rubber hydraulic hose                                                    | 1  |
| AESTR® HL661-02 | 602 二层钢丝编织橡胶软管<br>602 Two steel wires braided rubber hydraulic hose                                                   | 2  |
| AESTR® HL661-03 | 602 三层钢丝编织橡胶软管<br>602 Three steel wires braided rubber hydraulic hose                                                 | 3  |
| AESTR® HL662-01 | 大口径一层钢丝编织橡胶软管<br>Large diameter: One steel wire braided rubber hydraulic hose                                         | 4  |
| AESTR® HL662-02 | 大口径二层钢丝编织橡胶软管<br>Large diameter: Two steel wires braided rubber hydraulic hose                                        | 4  |
| AESTR® HL662-03 | 大口径三层钢丝编织橡胶软管<br>Large diameter: Three steel wires braided rubber hydraulic hose                                      | 4  |
| AESTR® HL663-01 | EN853 1SN/SAE 100R1AT 一层钢丝编织橡胶软管<br>EN853 1SN/SAE 100R1AT: One steel wire braided rubber hydraulic hose               | 5  |
| AESTR® HL663-02 | EN853 2SN/SAE 100R2AT 二层钢丝编织橡胶软管<br>EN853 2SN/SAE 100R2AT: Two steel wires braided rubber hydraulic hose              | 6  |
| AESTR® HL664-02 | SAE J517 100R3 纤维编织液压软管<br>SAE J517 100R3: Textile braided rubber hydraulic hose                                      | 7  |
| AESTR® HL665-04 | SAE J517 100R4 钢丝嵌入式液压橡胶软管<br>SAE J517 100R4: Steel wire inserted rubber hydraulic hose                               | 8  |
| AESTR® HL666-01 | SAE J517 100R5 单层钢丝编织层、织物外覆层的液压软管<br>SAE J517 100R5: Single steel wire braided, textile covered rubber hydraulic hose | 9  |
| AESTR® HL667-01 | SAE J517 100R6 单层纤维编织橡胶液压软管<br>SAE J517 100R6: Single textile reinforced rubber hydraulic hose                        | 10 |
| AESTR® HL668-01 | DIN EN857 1SC 一层钢丝编织橡胶软管<br>DIN EN857 1SC: One steel wire braided rubber hydraulic hose                               | 11 |
| AESTR® HL668-02 | DIN EN857 2SC 二层钢丝编织橡胶软管<br>DIN EN857 2SC: Two steel wires braided rubber hydraulic hose                              | 12 |
| AESTR® HL669-02 | SAE J517 100R16 二层钢丝编织橡胶软管<br>SAE J517 100R16: Two steel wires braided rubber hydraulic hose                          | 13 |
| AESTR® HL670-01 | SAE J517 100R17 一层钢丝编织橡胶软管<br>SAE J517 100R17: One steel wires braided rubber hydraulic hose                          | 14 |
| AESTR® HL670-02 | SAE J517 100R17 二层钢丝编织橡胶软管<br>SAE J517 100R17: Two steel wires braided rubber hydraulic hose                          | 14 |
| AESTR® HL671-04 | DIN EN856 4SP 四层钢丝缠绕橡胶软管<br>DIN EN856 4SP: Four steel wires spiral rubber hydraulic hose                              | 15 |
| AESTR® HL672-04 | DIN EN856 4SH 四层钢丝缠绕橡胶软管<br>DIN EN856 4SH: Four steel wires spiral rubber hydraulic hose                              | 16 |
| AESTR® HL673-04 | SAE J517 100R12 四层钢丝缠绕橡胶软管<br>SAE J517 100R12: Four steel wires spiral rubber hydraulic hose                          | 17 |
| AESTR® HL674-04 | SAE J517 100R13 四层钢丝缠绕橡胶软管<br>SAE J517 100R13: Four steel wires spiral rubber hydraulic hose                          | 18 |
| AESTR® HL674-06 | SAE J517 100R13 六层钢丝缠绕橡胶软管<br>SAE J517 100R13: Six steel wires spiral rubber hydraulic hose                           | 18 |

|                 |                                                                                                            |    |
|-----------------|------------------------------------------------------------------------------------------------------------|----|
| AESTR® HL675-04 | SAE J517 100R15 四层钢丝缠绕橡胶软管<br>SAE J517 100R15: Four steel wires spiral rubber hydraulic hose               | 19 |
| AESTR® HL675-06 | SAE J517 100R15 六层钢丝缠绕橡胶软管<br>SAE J517 100R15: Six steel wires spiral rubber hydraulic hose                | 19 |
| AESTR® HL676-01 | 紧凑型一层钢丝编织先导管、压力回油管<br>Compact oil return rubber hydraulic hose with One steel wire reinforced (PILOT HOSE) | 20 |
| AESTR® HL677-01 | SAE J517 100R7 纤维编织热塑性液压软管<br>SAE J517 100R7: Textile braided thermoplastic hose                           | 21 |
| AESTR® HL677-01 | SAE J517 100R7 钢丝编织热塑性液压软管<br>SAE J517 100R7: Steel wire braided thermoplastic hose                        | 22 |
| AESTR® HL678-01 | SAE J517 100R8 纤维编织热塑性液压软管<br>SAE J517 100R8: Textile braided thermoplastic hose                           | 23 |
| AESTR® HL678-01 | SAE J517 100R8 钢丝编织热塑性液压软管<br>SAE J517 100R8: Steel wire braided thermoplastic hose                        | 24 |

## 增强胶管系列

## ENHANCED HOSE SERIES

|                  |                                                                                                                           |    |
|------------------|---------------------------------------------------------------------------------------------------------------------------|----|
| WELONE® HL771-01 | 符合/超越EN853 1SN/SAE 100R1AT 一层钢丝编织橡胶软管<br>Meet/Exceed EN853 1SN/SAE 100R1AT: One steel wire braided rubber hydraulic hose  | 25 |
| WELONE® HL771-02 | 符合/超越EN853 2SN/SAE 100R2AT 二层钢丝编织橡胶软管<br>Meet/Exceed EN853 2SN/SAE 100R2AT: Two steel wires braided rubber hydraulic hose | 26 |
| WELONE® HL772-01 | 符合/超越DIN EN857 1SC 一层钢丝编织橡胶软管<br>Meet/Exceed DIN EN857 1SC: One steel wire braided rubber hydraulic hose                  | 27 |
| WELONE® HL772-02 | 符合/超越DIN EN857 2SC 二层钢丝编织橡胶软管<br>Meet/Exceed DIN EN857 2SC: Two steel wires braided rubber hydraulic hose                 | 28 |
| WELONE® HL773-02 | 符合/超越SAE J517 100R16 二层钢丝编织橡胶软管<br>Meet/Exceed SAE J517 100R16: Two steel wires braided rubber hydraulic hose             | 29 |
| WELONE® HL774-04 | 符合/超越DIN EN856 4SP 四层钢丝缠绕橡胶软管<br>Meet/Exceed DIN EN856 4SP: Four steel wires spiral rubber hydraulic hose                 | 30 |
| WELONE® HL775-04 | 符合/超越DIN EN856 4SH 四层钢丝缠绕橡胶软管<br>Meet/Exceed DIN EN856 4SH: Four steel wires spiral rubber hydraulic hose                 | 31 |
| WELONE® HL776-04 | 符合/超越SAE J517 100R12 四层钢丝缠绕橡胶软管<br>Meet/Exceed SAE J517 100R12: Four steel wires spiral rubber hydraulic hose             | 32 |
| WELONE® HL777-04 | 符合/超越SAE J517 100R15 四层钢丝缠绕橡胶软管<br>Meet/Exceed SAE J517 100R15: Four steel wires spiral rubber hydraulic hose             | 33 |
| WELONE® HL777-06 | 符合/超越SAE J517 100R15 六层钢丝缠绕橡胶软管<br>Meet/Exceed SAE J517 100R15: Six steel wires spiral rubber hydraulic hose              | 33 |
| WELONE® HL778-01 | 一层钢丝编织双联橡胶软管<br>TWIN HOSE: One steel wire braided rubber hydraulic hose                                                   | 34 |
| WELONE® HL778-02 | 二层钢丝编织双联橡胶软管<br>TWIN HOSE: Two steel wires braided rubber hydraulic hose                                                  | 35 |

|                        |                                                                       |    |
|------------------------|-----------------------------------------------------------------------|----|
| WELONE® HL779-01/02/04 | 符合/超越ISO18752 21MPa恒压橡胶软管<br>Meet&Exceed ISO18752-ISOBARIC HOSE 21MPA | 36 |
| WELONE® HL780-02/04    | 符合/超越ISO18752 28MPa恒压橡胶软管<br>Meet&Exceed ISO18752-ISOBARIC HOSE 28MPA | 37 |
| WELONE® HL781-02/04/06 | 符合/超越ISO18752 35MPa恒压橡胶软管<br>Meet&Exceed ISO18752-ISOBARIC HOSE 35MPA | 38 |
| WELONE® HL782-02/04/06 | 符合/超越ISO18752 42MPa恒压橡胶软管<br>Meet&Exceed ISO18752-ISOBARIC HOSE 42MPA | 39 |

## 超级胶管系列

## SUPER HOSE SERIES

|                  |                                                                                                              |    |
|------------------|--------------------------------------------------------------------------------------------------------------|----|
| WELONE® HL881-01 | 符合/超越DIN EN857 1SC一层钢丝编织橡胶软管<br>Meet/Exceed DIN EN857 1SC: One steel wire braided rubber hydraulic hose      | 40 |
| WELONE® HL881-02 | 符合/超越DIN EN857 2SC二层钢丝编织橡胶软管<br>Meet/Exceed DIN EN857 2SC: Two steel wires braided rubber hydraulic hose     | 41 |
| WELONE® HL882-04 | 符合/超越SAE J517 100R15四层钢丝缠绕橡胶软管<br>Meet/Exceed SAE J517 100R15: Four steel wires spiral rubber hydraulic hose | 42 |
| WELONE® HL882-06 | 符合/超越SAE J517 100R15六层钢丝缠绕橡胶软管<br>Meet/Exceed SAE J517 100R15: Six steel wires spiral rubber hydraulic hose  | 42 |

## 极限胶管系列

## EXTREME HOSE SERIES

|                  |                                                                                                                                                                                   |    |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| WELONE® HL981-01 | 符合/超越602 一层钢丝编织耐高低温橡胶软管<br>Meet/Exceed 602: One steel wire braided rubber hydraulic hose with high & Low temperature – resistance                                                 | 43 |
| WELONE® HL981-02 | 符合/超越602 二层钢丝编织耐高低温橡胶软管<br>Meet/Exceed 602: Two steel wires braided rubber hydraulic hose with high & Low temperature – resistance                                                | 44 |
| WELONE® HL982-01 | 符合/超越602 一层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed 602: One steel wire braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered                                  | 45 |
| WELONE® HL982-02 | 符合/超越602 二层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed 602: Two steel wires braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered                                 | 46 |
| WELONE® HL983-01 | 符合/超越EN853 1SN/SAE100R1AT一层钢丝编织耐高低温橡胶软管<br>Meet/Exceed EN853 1SN/SAE100R1AT: One steel wire braided rubber hydraulic hose with high & Low temperature – resistance                | 47 |
| WELONE® HL983-02 | 符合/超越EN853 2SN/SAE100R2AT二层钢丝编织耐高低温橡胶软管<br>Meet/Exceed EN853 2SN/SAE100R2AT: Two steel wires braided rubber hydraulic hose with high & Low temperature – resistance               | 48 |
| WELONE® HL984-01 | 符合/超越EN853 1SN/SAE100R1AT一层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed EN853 1SN/SAE100R1AT: One steel wire braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered | 49 |

|                  |                                                                                                                                                                                    |    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| WELONE® HL984-02 | 符合/超越EN853 2SN/SAE100R2AT二层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed EN853 2SN/SAE100R2AT: Two steel wires braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered | 50 |
| WELONE® HL985-01 | 符合/超越SAE J517 100R5单层钢丝编织层、织物外覆层的耐高低温液压软管<br>Meet/Exceed SAE J517 100R5: Single steel wire braided, textile covered hydraulic hose with high & Low temperature - resistance        | 51 |
| WELONE® HL986-01 | 符合/超越DIN EN857 1SC一层钢丝编织耐高低温橡胶软管<br>Meet/Exceed DIN EN857 1SC: One steel wire braided rubber hydraulic hose with high & Low temperature - resistance                               | 52 |
| WELONE® HL986-02 | 符合/超越DIN EN857 2SC二层钢丝编织耐高低温橡胶软管<br>Meet/Exceed DIN EN857 2SC: Two steel wires braided rubber hydraulic hose with high & Low temperature - resistance                              | 53 |
| WELONE® HL987-01 | 符合/超越DIN EN857 1SC一层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed DIN EN857 1SC: One steel wire braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered                | 54 |
| WELONE® HL987-02 | 符合/超越DIN EN857 2SC二层钢丝编织耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed DIN EN857 2SC: Two steel wires braided super abrasion-resistance rubber hydraulic hose with UPE FILM covered               | 55 |
| WELONE® HL988-04 | 符合/超越DIN EN856 4SP四层钢丝缠绕耐高低温橡胶软管<br>Meet/Exceed DIN EN856 4SP: Four steel wires spiral rubber hydraulic hose with high & Low temperature - resistance                              | 56 |
| WELONE® HL989-04 | 符合/超越DIN EN856 4SP四层钢丝缠绕耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed DIN EN856 4SP: Four steel wires spiral super abrasion-resistance rubber hydraulic hose with UPE FILM covered               | 57 |
| WELONE® HL990-04 | 符合/超越DIN EN856 4SH四层钢丝缠绕耐高低温橡胶软管<br>Meet/Exceed DIN EN856 4SH: Four steel wires spiral rubber hydraulic hose with high & Low temperature - resistance                              | 58 |
| WELONE® HL991-04 | 符合/超越DIN EN856 4SH四层钢丝缠绕耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed DIN EN856 4SH: Four steel wires spiral super abrasion-resistance rubber hydraulic hose with UPE FILM covered               | 59 |
| WELONE® HL992-04 | 符合/超越SAE J517 100R15四层钢丝缠绕耐高低温橡胶软管<br>Meet/Exceed SAE J517 100R15: Four steel wires spiral rubber hydraulic hose with high & Low temperature - resistance                          | 60 |
| WELONE® HL992-06 | 符合/超越SAE J517 100R15六层钢丝缠绕耐高低温橡胶软管<br>Meet/Exceed SAE J517 100R15: Six steel wires spiral rubber hydraulic hose with high & Low temperature - resistance                           | 60 |
| WELONE® HL993-04 | 符合/超越SAE J517 100R15四层钢丝缠绕耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed SAE J517 100R15: Four steel wires spiral super abrasion-resistance rubber hydraulic hose with UPE FILM covered           | 61 |
| WELONE® HL993-06 | 符合/超越SAE J517 100R15六层钢丝缠绕耐磨/外覆UPE超级耐磨橡胶软管<br>Meet/Exceed SAE J517 100R15: Six steel wires spiral super abrasion-resistance rubber hydraulic hose with UPE FILM covered            | 61 |
| WELONE® HL994-01 | 多用途自锁免扣式软管<br>PUSH-LOCK multi-purpose industrial hose                                                                                                                              | 62 |
| WELONE® HL995-01 | 符合/超越 EN854 1TE 单层纤维编织橡胶软管<br>Meet/Exceed EN854 1TE: Single textile braided rubber hose                                                                                            | 63 |
| WELONE® HL995-02 | 符合/超越EN854 2TE 一层或二层纤维编织橡胶软管<br>Meet/Exceed EN854 2TE: One or two textiles braided rubber hose                                                                                     | 64 |
| WELONE® HL996-01 | 高压蒸汽橡胶软管(I型)<br>High Pressure Steam Rubber Hose (Type I)                                                                                                                           | 65 |
| WELONE® HL996-01 | 高压蒸汽橡胶软管(II型)<br>High Pressure Steam Rubber Hose (Type II)                                                                                                                         | 66 |

## 液压胶管产品命名规则 HYDRAULIC HOSE LAYLINE INFORMATION





# AESTR® HL661-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |      |  |       |  |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       |      | MAX W.P.<br>最大工作压力                                                                  |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min                                                                               | Max  |                                                                                     |      |                                                                                     |       |                                                                                     |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | mm   | Mpa                                                                                 | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m           |
| HL661-01-04     | 1/4"         | 6.4  | 10.7                                                                              | 11.7                                                                              | 13.5                                                                              | 14.9 | 32.0                                                                                | 4640 | 80                                                                                  | 11600 | 100                                                                                 | 0.27           |
| HL661-01-05     | 5/16"        | 7.9  | 13.0                                                                              | 14.2                                                                              | 15.8                                                                              | 17.2 | 28.0                                                                                | 4060 | 70                                                                                  | 10150 | 115                                                                                 | 0.34           |
| HL661-01-06     | 3/8"         | 9.5  | 14.8                                                                              | 16.0                                                                              | 18.1                                                                              | 19.5 | 26.0                                                                                | 3770 | 65                                                                                  | 9425  | 125                                                                                 | 0.42           |
| HL661-01-08     | 1/2"         | 12.7 | 18.6                                                                              | 19.8                                                                              | 21.6                                                                              | 23.0 | 22.0                                                                                | 3190 | 55                                                                                  | 7975  | 180                                                                                 | 0.53           |
| HL661-01-10     | 5/8"         | 15.9 | 21.6                                                                              | 22.8                                                                              | 24.7                                                                              | 26.1 | 17.0                                                                                | 2465 | 43                                                                                  | 6163  | 205                                                                                 | 0.61           |
| HL661-01-12     | 3/4"         | 19.0 | 24.6                                                                              | 25.8                                                                              | 27.8                                                                              | 29.2 | 14.4                                                                                | 2088 | 36                                                                                  | 5220  | 240                                                                                 | 0.72           |
| HL661-01-14     | 7/8"         | 22.2 | 27.4                                                                              | 28.6                                                                              | 30.8                                                                              | 32.2 | 13.0                                                                                | 1885 | 33                                                                                  | 4713  | 280                                                                                 | 0.80           |
| HL661-01-16     | 1"           | 25.4 | 30.6                                                                              | 31.8                                                                              | 33.7                                                                              | 35.1 | 11.0                                                                                | 1595 | 28                                                                                  | 3988  | 300                                                                                 | 0.88           |
| HL661-01-20     | 1-1/4"       | 31.8 | 38.1                                                                              | 39.3                                                                              | 40.7                                                                              | 42.7 | 9.0                                                                                 | 1305 | 23                                                                                  | 3263  | 420                                                                                 | 1.11           |
| HL661-01-24     | 1-1/2"       | 38.1 | 45.3                                                                              | 46.5                                                                              | 47.9                                                                              | 49.9 | 5.6                                                                                 | 812  | 14                                                                                  | 2030  | 500                                                                                 | 1.43           |
| HL661-01-28     | 1-3/4"       | 44.5 | 52.0                                                                              | 53.2                                                                              | 54.8                                                                              | 56.8 | 5.0                                                                                 | 725  | 13                                                                                  | 1813  | 580                                                                                 | 1.62           |
| HL661-01-32     | 2"           | 50.8 | 58.0                                                                              | 59.2                                                                              | 61.2                                                                              | 63.2 | 5.0                                                                                 | 725  | 13                                                                                  | 1813  | 630                                                                                 | 1.85           |

## MAIN FEATURES 主要性能

602相应的工作压力·通过了多种性能测试

Corresponding working pressure same with 602, various performance tests passed

执行标准: 602 一层钢丝编织橡胶软管

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard 602: One steel wire braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃. (空气: +70℃. 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃(Air: +70℃, Water: +85℃).





# AESTR® HL661-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |  |  |  |                |     |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P<br>最大工作压力                                                                   | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |     |      |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |     |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm  | Kg/m |
| HL661-02-04     | 1/4"         | 6.4  | 12.2                                                                              | 13.2                                                                              | 15.3        | 16.7                                                                              | 60.0                                                                                | 8700                                                                                | 150                                                                                 | 21750          | 100 | 0.43 |
| HL661-02-05     | 5/16"        | 7.9  | 14.5                                                                              | 15.7                                                                              | 17.3        | 18.6                                                                              | 48.0                                                                                | 6960                                                                                | 120                                                                                 | 17400          | 115 | 0.49 |
| HL661-02-06     | 3/8"         | 9.5  | 16.6                                                                              | 17.8                                                                              | 19.4        | 20.8                                                                              | 40.0                                                                                | 5800                                                                                | 100                                                                                 | 14500          | 125 | 0.59 |
| HL661-02-08     | 1/2"         | 12.7 | 20.3                                                                              | 21.7                                                                              | 23.1        | 24.5                                                                              | 36.0                                                                                | 5220                                                                                | 90                                                                                  | 13050          | 180 | 0.76 |
| HL661-02-10     | 5/8"         | 15.9 | 23.4                                                                              | 24.6                                                                              | 26.1        | 27.5                                                                              | 32.0                                                                                | 4640                                                                                | 80                                                                                  | 11600          | 205 | 0.84 |
| HL661-02-12     | 3/4"         | 19.0 | 26.4                                                                              | 27.6                                                                              | 29.4        | 30.8                                                                              | 25.0                                                                                | 3625                                                                                | 63                                                                                  | 9063           | 240 | 1.00 |
| HL661-02-14     | 7/8"         | 22.2 | 29.2                                                                              | 30.4                                                                              | 32.3        | 33.7                                                                              | 22.0                                                                                | 3190                                                                                | 55                                                                                  | 7975           | 280 | 1.10 |
| HL661-02-16     | 1"           | 25.4 | 32.4                                                                              | 33.6                                                                              | 35.3        | 36.7                                                                              | 21.0                                                                                | 3045                                                                                | 53                                                                                  | 7613           | 300 | 1.23 |
| HL661-02-20     | 1-1/4"       | 31.8 | 40.0                                                                              | 41.2                                                                              | 42.5        | 44.5                                                                              | 17.0                                                                                | 2465                                                                                | 43                                                                                  | 6163           | 420 | 1.54 |
| HL661-02-24     | 1-1/2"       | 38.1 | 47.2                                                                              | 48.4                                                                              | 49.6        | 51.6                                                                              | 14.0                                                                                | 2030                                                                                | 35                                                                                  | 5075           | 500 | 1.94 |
| HL661-02-28     | 1-3/4"       | 44.5 | 53.9                                                                              | 55.1                                                                              | 56.6        | 58.6                                                                              | 9.0                                                                                 | 1305                                                                                | 23                                                                                  | 3263           | 580 | 2.20 |
| HL661-02-32     | 2"           | 50.8 | 59.9                                                                              | 61.0                                                                              | 63.0        | 65.0                                                                              | 8.0                                                                                 | 1160                                                                                | 20                                                                                  | 2900           | 630 | 2.48 |

## MAIN FEATURES 主要性能

602相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with 602, various performance tests passed

执行标准: 602 二层钢丝编织橡胶软管

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1 认证、矿用产品安全标志认证、ISO9001、IATF16949等证书。

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard 602: Two steel wires braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃. (空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃(Air: +70℃, Water: +85℃).





# AESTR® HL661-03

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径    |      | O.D<br>软管外径 |      | bar  |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 |  | kg             |
|-----------------|--------------|------|-------------------|------|-------------|------|------|------|-------------------|-------|-------------------|--|----------------|
|                 |              |      | MAX W.P<br>最大工作压力 |      |             |      |      |      |                   |       |                   |  | WEIGHT<br>参考重量 |
|                 |              |      | Min               | Max  | Min         | Max  | Mpa  | psi  | Mpa               | psi   | mm                |  | Kg/m           |
| HL661-03-04     | 1/4"         | 6.4  | 14.0              | 14.5 | 15.0        | 17.2 | 60.0 | 8700 | 150               | 21750 | 100               |  | 0.56           |
| HL661-03-05     | 5/16"        | 7.9  | 16.1              | 16.7 | 17.3        | 19.6 | 50.0 | 7250 | 125               | 18125 | 115               |  | 0.72           |
| HL661-03-06     | 3/8"         | 9.5  | 18.4              | 19.0 | 19.6        | 21.8 | 45.0 | 6525 | 113               | 16313 | 125               |  | 0.82           |
| HL661-03-08     | 1/2"         | 12.7 | 22.2              | 22.8 | 23.4        | 25.6 | 40.0 | 5800 | 100               | 14500 | 180               |  | 1.04           |
| HL661-03-10     | 5/8"         | 15.9 | 25.2              | 25.8 | 26.4        | 29.0 | 35.0 | 5075 | 88                | 12688 | 205               |  | 1.20           |
| HL661-03-12     | 3/4"         | 19.0 | 28.2              | 28.8 | 29.4        | 32.4 | 28.0 | 4060 | 70                | 10150 | 240               |  | 1.38           |
| HL661-03-14     | 7/8"         | 22.2 | 31.0              | 31.6 | 32.2        | 34.8 | 25.0 | 3625 | 63                | 9063  | 280               |  | 1.51           |
| HL661-03-16     | 1"           | 25.4 | 34.2              | 34.8 | 35.4        | 38.0 | 24.0 | 3480 | 60                | 8700  | 300               |  | 1.66           |
| HL661-03-20     | 1-1/4"       | 31.8 | 41.8              | 42.4 | 43.0        | 45.2 | 19.0 | 2755 | 48                | 6888  | 420               |  | 2.01           |
| HL661-03-24     | 1-1/2"       | 38.1 | 49.1              | 49.7 | 50.3        | 52.4 | 15.0 | 2175 | 38                | 5438  | 500               |  | 2.49           |
| HL661-03-28     | 1-3/4"       | 44.5 | 55.8              | 56.4 | 57.0        | 59.4 | 14.0 | 2030 | 35                | 5075  | 580               |  | 2.81           |
| HL661-03-32     | 2"           | 50.8 | 61.8              | 62.4 | 63.0        | 65.8 | 12.0 | 1740 | 30                | 4350  | 630               |  | 3.20           |

## MAIN FEATURES 主要性能

602相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with 602, various performance tests passed

执行标准: 602 三层钢丝编织橡胶软管

结 构: 软管由耐油合成橡胶内胶层、3层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格软管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1 认证、矿用产品安全标志认证、ISO9001、IATF16949等证书。

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard 602: Three steel wires braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, three layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃. (空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃(Air: +70℃, Water: +85℃).





# AESTR® HL662-01

| Part No.<br>零件号 | I.D.<br>软管内径 |       |  |  |             |  |                    |  |                    |  |  |                |
|-----------------|--------------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                 |              |       | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P.<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |       | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                    |                                                                                     |                    |                                                                                     |                                                                                     |                |
|                 | inch         | mm    | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                | psi                                                                                 | Mpa                | psi                                                                                 | mm                                                                                  | Kg/m           |
| HL662-01-40     | 2-1/2"       | 63.5  | 71.6                                                                              | 76.2                                                                              | 75.4        | 77.4                                                                              | 3.5                | 508                                                                                 | 14                 | 2030                                                                                | 760                                                                                 | 2.49           |
| HL662-01-48     | 3"           | 76.2  | 83.6                                                                              | 85.2                                                                              | 86.9        | 89.9                                                                              | 3.0                | 435                                                                                 | 12                 | 1740                                                                                | 930                                                                                 | 2.93           |
| HL662-01-56     | 3-1/2"       | 88.9  | 96.4                                                                              | 98.4                                                                              | 99.9        | 102.9                                                                             | 2.0                | 290                                                                                 | 8                  | 1160                                                                                | 1100                                                                                | 3.46           |
| HL662-01-64     | 4"           | 101.6 | 110.4                                                                             | 112.4                                                                             | 113.4       | 117.4                                                                             | 1.5                | 218                                                                                 | 6                  | 870                                                                                 | 1250                                                                                | 3.93           |
| HL662-02-40     | 2-1/2"       | 63.5  | 73.4                                                                              | 75.0                                                                              | 77.2        | 79.2                                                                              | 8.0                | 1160                                                                                | 32                 | 4640                                                                                | 840                                                                                 | 3.31           |
| HL662-02-48     | 3"           | 76.2  | 85.4                                                                              | 87.0                                                                              | 88.7        | 91.7                                                                              | 4.0                | 580                                                                                 | 16                 | 2320                                                                                | 950                                                                                 | 3.91           |
| HL662-02-56     | 3-1/2"       | 88.9  | 98.2                                                                              | 100.2                                                                             | 101.7       | 104.7                                                                             | 3.2                | 464                                                                                 | 13                 | 1856                                                                                | 1130                                                                                | 4.67           |
| HL662-02-64     | 4"           | 101.6 | 112.6                                                                             | 114.6                                                                             | 115.6       | 119.6                                                                             | 2.6                | 377                                                                                 | 10                 | 1508                                                                                | 1280                                                                                | 5.29           |
| HL662-03-40     | 2-1/2"       | 63.5  | 75.2                                                                              | 76.8                                                                              | 79.0        | 81.0                                                                              | 8.5                | 1233                                                                                | 34                 | 4930                                                                                | 870                                                                                 | 4.15           |
| HL662-03-48     | 3"           | 76.2  | 87.2                                                                              | 88.8                                                                              | 90.5        | 93.5                                                                              | 5.0                | 725                                                                                 | 20                 | 2900                                                                                | 990                                                                                 | 4.91           |
| HL662-03-56     | 3-1/2"       | 88.9  | 100.0                                                                             | 102.0                                                                             | 103.5       | 106.5                                                                             | 4.0                | 580                                                                                 | 16                 | 2320                                                                                | 1170                                                                                | 5.89           |
| HL662-03-64     | 4"           | 101.6 | 114.8                                                                             | 116.8                                                                             | 117.8       | 121.8                                                                             | 3.0                | 435                                                                                 | 12                 | 1740                                                                                | 1330                                                                                | 6.68           |

## MAIN FEATURES 主要性能

大口径相应的工作压力·通过了多种性能测试

Corresponding working pressure same with Large diameter , various performance tests passed

执行标准：大口径一、二、三层钢丝编织橡胶软管

结构：软管由耐油合成橡胶内胶层、1层或2层或3层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：尼龙包装膜缠绕包装。

Standard: Large diameter with one, Two, Three layers steel wires braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer, two layers, three layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Packed with NYLON stripes, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃ (Air: +70℃, Water: +85℃).





# AESTR® HL663-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                   |                |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------------|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                   |                |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi               | mm             | Kg/m |
| HL663-01-03     | 3/16"        | 4.8  | 9.0                                                                               | 10.0                                                                              | 12.5                                                                              | 25.0                                                                                | 3625                                                                                | 100                                                                                 | 14500             | 90             | 0.20 |
| HL663-01-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 22.5                                                                                | 3263                                                                                | 90                                                                                  | 13050             | 100            | 0.24 |
| HL663-01-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 21.5                                                                                | 3118                                                                                | 86                                                                                  | 12470             | 115            | 0.27 |
| HL663-01-06     | 3/8"         | 9.5  | 14.5                                                                              | 15.7                                                                              | 18.1                                                                              | 18.0                                                                                | 2610                                                                                | 72                                                                                  | 10440             | 125            | 0.35 |
| HL663-01-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1                                                                              | 21.5                                                                              | 16.0                                                                                | 2320                                                                                | 64                                                                                  | 9280              | 180            | 0.45 |
| HL663-01-10     | 5/8"         | 15.9 | 20.6                                                                              | 22.2                                                                              | 24.7                                                                              | 13.0                                                                                | 1885                                                                                | 52                                                                                  | 7540              | 205            | 0.52 |
| HL663-01-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.2                                                                              | 28.6                                                                              | 10.5                                                                                | 1523                                                                                | 42                                                                                  | 6090              | 240            | 0.67 |
| HL663-01-16     | 1"           | 25.4 | 32.5                                                                              | 34.1                                                                              | 36.6                                                                              | 8.7                                                                                 | 1262                                                                                | 35                                                                                  | 5046              | 300            | 0.98 |
| HL663-01-20     | 1-1/4"       | 31.8 | 39.3                                                                              | 41.7                                                                              | 44.8                                                                              | 6.2                                                                                 | 899                                                                                 | 25                                                                                  | 3596              | 420            | 1.22 |
| HL663-01-24     | 1-1/2"       | 38.1 | 45.6                                                                              | 48.0                                                                              | 52.1                                                                              | 5.0                                                                                 | 725                                                                                 | 20                                                                                  | 2900              | 500            | 1.54 |
| HL663-01-32     | 2"           | 50.8 | 58.7                                                                              | 61.7                                                                              | 65.9                                                                              | 4.0                                                                                 | 580                                                                                 | 16                                                                                  | 2320              | 630            | 2.12 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·通过了多种性能测试

Corresponding working pressure same with EN/DIN , various performance tests passed

执行标准: EN853 1SN、SAE 100R1AT

结 构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN853 1SN, SAE 100R1AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C(Air: +70°C, Water: +85°C).





# AESTR® HL663-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                |     |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |     |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |     |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm  | Kg/m |
| HL663-02-03     | 3/16"        | 4.8  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 41.5                                                                                | 6018                                                                                | 166                                                                                 | 24070          | 90  | 0.34 |
| HL663-02-04     | 1/4"         | 6.4  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 40.0                                                                                | 5800                                                                                | 160                                                                                 | 23200          | 100 | 0.37 |
| HL663-02-05     | 5/16"        | 7.9  | 13.7                                                                              | 14.9                                                                              | 17.3                                                                              | 35.0                                                                                | 5075                                                                                | 140                                                                                 | 20300          | 115 | 0.42 |
| HL663-02-06     | 3/8"         | 9.5  | 16.1                                                                              | 17.3                                                                              | 19.7                                                                              | 33.0                                                                                | 4785                                                                                | 132                                                                                 | 19140          | 125 | 0.56 |
| HL663-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6                                                                              | 23.0                                                                              | 27.5                                                                                | 3988                                                                                | 110                                                                                 | 15950          | 180 | 0.64 |
| HL663-02-10     | 5/8"         | 15.9 | 22.2                                                                              | 23.8                                                                              | 26.2                                                                              | 25.0                                                                                | 3625                                                                                | 100                                                                                 | 14500          | 205 | 0.77 |
| HL663-02-12     | 3/4"         | 19.0 | 26.2                                                                              | 27.8                                                                              | 30.1                                                                              | 21.5                                                                                | 3118                                                                                | 86                                                                                  | 12470          | 240 | 0.94 |
| HL663-02-16     | 1"           | 25.4 | 34.1                                                                              | 35.7                                                                              | 38.9                                                                              | 16.5                                                                                | 2393                                                                                | 66                                                                                  | 9570           | 300 | 1.43 |
| HL663-02-20     | 1-1/4"       | 31.8 | 43.3                                                                              | 45.7                                                                              | 49.5                                                                              | 12.5                                                                                | 1813                                                                                | 50                                                                                  | 7250           | 420 | 1.93 |
| HL663-02-24     | 1-1/2"       | 38.1 | 49.6                                                                              | 52.0                                                                              | 55.9                                                                              | 9.0                                                                                 | 1305                                                                                | 36                                                                                  | 5220           | 500 | 2.32 |
| HL663-02-32     | 2"           | 50.8 | 62.3                                                                              | 64.7                                                                              | 68.6                                                                              | 8.0                                                                                 | 1160                                                                                | 32                                                                                  | 4640           | 630 | 2.99 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力 · 通过了多种性能测试

Corresponding working pressure same with EN/DIN, various performance tests passed

执行标准: EN853 2SN、SAE 100R2AT

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHAIC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN853 2SN, SAE 100R2AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃(Air: +70℃, Water: +85℃).





# AESTR® HL664-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |      |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |      |                                                                                     |      |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m |                                                                                     |
| HL664-02-03     | 3/16"        | 4.8  | 11.9                                                                              | 13.5 | 10.5                                                                              | 1523 | 42                                                                                  | 6090 | 75                                                                                  | 0.16 |                                                                                     |
| HL664-02-04     | 1/4"         | 6.4  | 13.5                                                                              | 15.1 | 8.7                                                                               | 1262 | 35                                                                                  | 5046 | 75                                                                                  | 0.20 |                                                                                     |
| HL664-02-05     | 5/16"        | 7.9  | 16.7                                                                              | 18.3 | 8.4                                                                               | 1218 | 34                                                                                  | 4872 | 100                                                                                 | 0.26 |                                                                                     |
| HL664-02-06     | 3/8"         | 9.5  | 18.3                                                                              | 19.8 | 7.8                                                                               | 1131 | 31                                                                                  | 4524 | 100                                                                                 | 0.28 |                                                                                     |
| HL664-02-08     | 1/2"         | 12.7 | 23.0                                                                              | 24.6 | 7.0                                                                               | 1015 | 28                                                                                  | 4060 | 125                                                                                 | 0.41 |                                                                                     |
| HL664-02-10     | 5/8"         | 15.9 | 26.2                                                                              | 27.6 | 6.1                                                                               | 885  | 24                                                                                  | 3538 | 140                                                                                 | 0.49 |                                                                                     |
| HL664-02-12     | 3/4"         | 19.0 | 31.0                                                                              | 32.5 | 5.2                                                                               | 754  | 21                                                                                  | 3016 | 150                                                                                 | 0.65 |                                                                                     |
| HL664-02-16     | 1"           | 25.4 | 36.9                                                                              | 39.3 | 3.9                                                                               | 566  | 16                                                                                  | 2262 | 205                                                                                 | 0.83 |                                                                                     |
| HL664-02-20     | 1-1/4"       | 31.8 | 42.9                                                                              | 46.0 | 2.6                                                                               | 377  | 10                                                                                  | 1508 | 250                                                                                 | 0.88 |                                                                                     |

## MAIN FEATURES 主要性能

SAE100R3相应的工作压力・通过了多种性能测试

Corresponding working pressure same with SAE100R3, various performance tests passed

执行标准: SAE J517 100R3

结 构: 软管由耐油合成橡胶内胶层、2层纤维编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHAIC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R3

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of textile for the reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +100℃(Air: +70℃, Water: +85℃).





# AESTR® HL665-04

| Part No.<br>零件号 | I.D.<br>软管内径 |       |  |  |     |  |      |  |  |
|-----------------|--------------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |       | O.D.<br>软管外径<br>Max                                                               | MAX W.P.<br>最大工作压力                                                                |     | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R.<br>最小弯曲半径                                                                  | WEIGHT<br>参考重量                                                                      |
|                 | inch         | mm    | mm                                                                                | Mpa                                                                               | psi | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m                                                                                |
| HL665-04-12     | 3/4"         | 19.0  | 34.9                                                                              | 2.1                                                                               | 305 | 8                                                                                   | 1218 | 125                                                                                 | 0.77                                                                                |
| HL665-04-16     | 1"           | 25.4  | 41.3                                                                              | 1.7                                                                               | 247 | 7                                                                                   | 986  | 150                                                                                 | 0.97                                                                                |
| HL665-04-20     | 1-1/4"       | 31.8  | 50.8                                                                              | 1.4                                                                               | 203 | 6                                                                                   | 812  | 200                                                                                 | 1.18                                                                                |
| HL665-04-24     | 1-1/2"       | 38.1  | 57.2                                                                              | 1.1                                                                               | 152 | 4                                                                                   | 609  | 255                                                                                 | 1.44                                                                                |
| HL665-04-32     | 2"           | 50.8  | 69.9                                                                              | 0.7                                                                               | 102 | 3                                                                                   | 406  | 300                                                                                 | 2.15                                                                                |
| HL665-04-40     | 2"-1/2"      | 63.5  | 82.6                                                                              | 0.4                                                                               | 58  | 1.6                                                                                 | 232  | 355                                                                                 | 2.99                                                                                |
| HL665-04-48     | 3"           | 76.2  | 95.6                                                                              | 0.4                                                                               | 58  | 1.6                                                                                 | 232  | 460                                                                                 | 3.19                                                                                |
| HL665-04-56     | 3"-1/2"      | 88.9  | 107.9                                                                             | 0.3                                                                               | 44  | 1.2                                                                                 | 176  | 530                                                                                 | 3.38                                                                                |
| HL665-04-64     | 4"           | 101.6 | 120.7                                                                             | 0.25                                                                              | 36  | 1                                                                                   | 144  | 610                                                                                 | 4.36                                                                                |

## MAIN FEATURES 主要性能

SAE100R4相应的工作压力 · 通过了多种性能测试

Corresponding working pressure same with SAE100R4, various performance tests passed

执行标准: SAE J517 100R4

结构: 软管由耐油合成橡胶内胶层, 增强层由四层纤维缠绕, 中间加螺旋钢丝, 耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R4

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of textile spiral and steel wire helix for the enforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).





# AESTR® HL666-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |       |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |       | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |      |                                                                                     |       |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m |                                                                                     |
| HL666-01-04     | 3/16"        | 4.8  | 12.7                                                                              | 13.7 | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 75                                                                                  | 0.23 |                                                                                     |
| HL666-01-05     | 1/4"         | 6.4  | 14.3                                                                              | 15.3 | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 85                                                                                  | 0.28 |                                                                                     |
| HL666-01-06     | 5/16"        | 7.9  | 16.7                                                                              | 17.6 | 15.7                                                                              | 2277 | 63                                                                                  | 9106  | 100                                                                                 | 0.36 |                                                                                     |
| HL666-01-08     | 13/32"       | 10.4 | 18.9                                                                              | 20.0 | 14.0                                                                              | 2030 | 56                                                                                  | 8120  | 115                                                                                 | 0.44 |                                                                                     |
| HL666-01-10     | 1/2"         | 12.7 | 22.8                                                                              | 24.0 | 12.2                                                                              | 1769 | 49                                                                                  | 7076  | 140                                                                                 | 0.60 |                                                                                     |
| HL666-01-12     | 5/8"         | 15.9 | 26.8                                                                              | 28.0 | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 165                                                                                 | 0.77 |                                                                                     |
| HL666-01-16     | 7/8"         | 22.2 | 30.6                                                                              | 32.2 | 5.6                                                                               | 812  | 22                                                                                  | 3248  | 185                                                                                 | 0.71 |                                                                                     |
| HL666-01-20     | 1-1/8"       | 28.6 | 37.3                                                                              | 38.9 | 4.3                                                                               | 624  | 17                                                                                  | 2494  | 230                                                                                 | 0.70 |                                                                                     |
| HL666-01-24     | 1-3/8"       | 35.0 | 43.7                                                                              | 45.2 | 3.5                                                                               | 508  | 14                                                                                  | 2030  | 265                                                                                 | 0.85 |                                                                                     |
| HL666-01-32     | 1-13/16"     | 46.0 | 55.2                                                                              | 57.6 | 2.4                                                                               | 348  | 10                                                                                  | 1392  | 335                                                                                 | 1.20 |                                                                                     |

## MAIN FEATURES 主要性能

SAE100R5相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R5, various performance tests passed

执行标准: SAE J517 100R5

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、外覆黑色或蓝色纤维层组成。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R5

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and one layer of black or blue textile braided for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).





# AESTR® HL667-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |     |  |      |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |     | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |     |                                                                                     |      |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m |                                                                                     |
| HL667-01-03     | 3/16"        | 4.8  | 10.3                                                                              | 11.9 | 3.5                                                                               | 508 | 14                                                                                  | 2030 | 50                                                                                  | 0.16 |                                                                                     |
| HL667-01-04     | 1/4"         | 6.4  | 11.9                                                                              | 13.5 | 2.8                                                                               | 406 | 11                                                                                  | 1624 | 65                                                                                  | 0.21 |                                                                                     |
| HL667-01-05     | 5/16"        | 7.9  | 13.5                                                                              | 15.1 | 2.8                                                                               | 406 | 11                                                                                  | 1624 | 75                                                                                  | 0.25 |                                                                                     |
| HL667-01-06     | 3/8"         | 9.5  | 15.1                                                                              | 16.7 | 2.8                                                                               | 406 | 11                                                                                  | 1624 | 75                                                                                  | 0.29 |                                                                                     |
| HL667-01-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6 | 2.8                                                                               | 406 | 11                                                                                  | 1624 | 100                                                                                 | 0.39 |                                                                                     |
| HL667-01-10     | 5/8"         | 15.9 | 22.2                                                                              | 23.8 | 2.4                                                                               | 348 | 10                                                                                  | 1392 | 125                                                                                 | 0.51 |                                                                                     |
| HL667-01-12     | 3/4"         | 19.0 | 25.4                                                                              | 27.8 | 2.1                                                                               | 305 | 8                                                                                   | 1218 | 150                                                                                 | 0.66 |                                                                                     |

## MAIN FEATURES 主要性能

SAE100R6相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R6, various performance tests passed

执行标准: SAE J517 100R6

结构: 软管由耐油合成橡胶内胶层、1层纤维编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R6

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of fiber/textile braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C(Air: +70°C, Water: +85°C).





# AESTR® HL668-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL668-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8 | 13.5                                                                              | 22.5                                                                              | 3263 | 90                                                                                  | 13050 | 75                                                                                  | 0.20                                                                                |
| HL668-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1 | 14.5                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 85                                                                                  | 0.22                                                                                |
| HL668-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5 | 16.9                                                                              | 18.0                                                                              | 2610 | 72                                                                                  | 10440 | 90                                                                                  | 0.27                                                                                |
| HL668-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1 | 20.4                                                                              | 16.0                                                                              | 2320 | 64                                                                                  | 9280  | 130                                                                                 | 0.33                                                                                |
| HL668-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0 | 23.0                                                                              | 13.0                                                                              | 1885 | 52                                                                                  | 7540  | 150                                                                                 | 0.44                                                                                |
| HL668-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4 | 26.7                                                                              | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 180                                                                                 | 0.52                                                                                |
| HL668-01-16     | 1"           | 25.4 | 30.7                                                                              | 31.9 | 34.9                                                                              | 8.8                                                                               | 1276 | 35                                                                                  | 5104  | 230                                                                                 | 0.82                                                                                |

## MAIN FEATURES 主要性能

软管直径小、柔韧性强·弯曲半径小·重量轻·更适合于狭小空间环境应用。

Thinner hose diameter, more flexible, small bending radius, light weight, suitable used in the small space

执行标准: EN857 1SC

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1")以下规格胶管外观为布纹面和光面, 1"以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 1SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C~+100°C。(空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C(Air: +70°C, Water: +85°C).





# AESTR® HL668-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL668-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7 | 14.2                                                                              | 40.0                                                                              | 5800 | 160                                                                                 | 23200 | 75                                                                                  | 0.29                                                                                |
| HL668-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 16.0                                                                              | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 85                                                                                  | 0.35                                                                                |
| HL668-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6 | 18.3                                                                              | 33.0                                                                              | 4785 | 132                                                                                 | 19140 | 90                                                                                  | 0.39                                                                                |
| HL668-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 27.5                                                                              | 3988 | 110                                                                                 | 15950 | 130                                                                                 | 0.58                                                                                |
| HL668-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3 | 24.7                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 170                                                                                 | 0.65                                                                                |
| HL668-02-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.4 | 28.6                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 200                                                                                 | 0.85                                                                                |
| HL668-02-16     | 1"           | 25.4 | 32.5                                                                              | 34.3 | 36.6                                                                              | 16.5                                                                              | 2393 | 66                                                                                  | 9570  | 250                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

软管直径小、柔韧性强·弯曲半径小·重量轻·更适合于狭小空间环境应用。

Thinner hose diameter, more flexible, small bending radius, light weight, suitable used in the small space

执行标准: EN857 2SC

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含 1" )以下规格胶管外观为布纹面和光面, 1"以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 2SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C(Air: +70°C, Water: +85°C).





# AESTR® HL669-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |                   |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量                                                                      |                                                                                     |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |                   |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi               | mm                                                                                  | Kg/m                                                                                |
| HL669-02-04     | 1/4"         | 6.4  | 12.3                                                                              | 14.5                                                                              | 40.0                                                                              | 5800 | 160                                                                                 | 23200             | 50                                                                                  | 0.29                                                                                |
| HL669-02-05     | 5/16"        | 7.9  | 13.3                                                                              | 15.7                                                                              | 35.0                                                                              | 5075 | 140                                                                                 | 20300             | 55                                                                                  | 0.35                                                                                |
| HL669-02-06     | 3/8"         | 9.5  | 15.9                                                                              | 18.8                                                                              | 33.0                                                                              | 4785 | 132                                                                                 | 19140             | 65                                                                                  | 0.39                                                                                |
| HL669-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 22.0                                                                              | 27.5                                                                              | 3988 | 110                                                                                 | 15950             | 90                                                                                  | 0.58                                                                                |
| HL669-02-10     | 5/8"         | 15.9 | 22.6                                                                              | 25.4                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500             | 100                                                                                 | 0.65                                                                                |
| HL669-02-12     | 3/4"         | 19.0 | 26.3                                                                              | 29.0                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470             | 120                                                                                 | 0.85                                                                                |
| HL669-02-16     | 1"           | 25.4 | 34.0                                                                              | 36.6                                                                              | 16.5                                                                              | 2393 | 66                                                                                  | 9570              | 150                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

软管直径小、柔韧性强、弯曲半径小、重量轻、更适合于狭小空间环境应用。

Thinner hose diameter, more flexible, small bending radius, light weight, suitable used in the small space

执行标准: SAE J517 100R16

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含 1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949 认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R16

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover ; Sizes above 1"(1" not included), we could only produce wrapped cover .

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).





# AESTR® HL670-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL670-01-04     | 1/4"         | 6.4  | 11.0                                                                              | 13.2                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 50                                                                                  | 0.21                                                                                |
| HL670-01-05     | 5/16"        | 7.9  | 13.0                                                                              | 15.0                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 55                                                                                  | 0.24                                                                                |
| HL670-01-06     | 3/8"         | 9.5  | 15.0                                                                              | 17.0                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 65                                                                                  | 0.33                                                                                |
| HL670-01-08     | 1/2"         | 12.7 | 18.8                                                                              | 21.1                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 90                                                                                  | 0.41                                                                                |
| HL670-02-10     | 5/8"         | 15.9 | 23.6                                                                              | 25.9                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 100                                                                                 | 0.80                                                                                |
| HL670-02-12     | 3/4"         | 19.0 | 27.7                                                                              | 30.3                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 120                                                                                 | 0.99                                                                                |
| HL670-02-16     | 1"           | 25.4 | 35.6                                                                              | 38.6                                                                              | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 150                                                                                 | 1.38                                                                                |

## MAIN FEATURES 主要性能

软管直径小、柔韧性强·弯曲半径小·重量轻·更适合于狭小空间环境应用。

Thinner hose diameter, more flexible, small bending radius, light weight, suitable used in the small space

执行标准: SAE J517 100R17

结构: 软管由耐油合成橡胶内胶层、1层或2层钢丝编织增强层、耐候黑色合成橡胶外胶层组成。

1" (含 1") 以下规格胶管外观为布纹面和光面, 1"以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R17

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one or two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

## AESTR® HL670-02





# AESTR® HL671-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径     |      | O.D<br>软管外径       |      | bar               |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 | kg   |
|-----------------|--------------|------|--------------------|------|-------------------|------|-------------------|------|-------------------|-------|-------------------|------|
|                 |              |      | MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |      | MIN B.R<br>最小弯曲半径 |      | WEIGHT<br>参考重量    |       |                   |      |
|                 |              |      | Min                | Max  | Min               | Max  | Mpa               | psi  | Mpa               | psi   | mm                | Kg/m |
| HL671-04-04     | 1/4"         | 6.4  | 14.1               | 15.3 | 17.1              | 18.7 | 45.0              | 6525 | 180               | 26100 | 150               | 0.59 |
| HL671-04-05     | 5/16"        | 7.9  | 15.6               | 17.2 | 18.6              | 20.2 | 45.0              | 6525 | 180               | 26100 | 150               | 0.67 |
| HL671-04-06     | 3/8"         | 9.5  | 16.9               | 18.1 | 20.6              | 22.2 | 44.5              | 6453 | 178               | 25810 | 180               | 0.76 |
| HL671-04-08     | 1/2"         | 12.7 | 19.4               | 21.0 | 23.8              | 25.4 | 41.5              | 6018 | 166               | 24070 | 230               | 0.87 |
| HL671-04-10     | 5/8"         | 15.9 | 23.0               | 24.6 | 27.4              | 29.0 | 35.0              | 5075 | 140               | 20300 | 250               | 1.00 |
| HL671-04-12     | 3/4"         | 19.0 | 27.4               | 29.0 | 31.4              | 33.0 | 35.0              | 5075 | 140               | 20300 | 300               | 1.48 |
| HL671-04-14     | 7/8"         | 22.2 | 31.2               | 32.8 | 34.8              | 36.4 | 35.0              | 5075 | 140               | 20300 | 300               | 1.88 |
| HL671-04-16     | 1"           | 25.4 | 34.5               | 36.1 | 38.5              | 40.9 | 28.0              | 4060 | 112               | 16240 | 340               | 2.04 |
| HL671-04-20     | 1-1/4"       | 31.8 | 45.0               | 47.0 | 49.2              | 52.4 | 21.0              | 3045 | 84                | 12180 | 460               | 3.18 |
| HL671-04-24     | 1-1/2"       | 38.1 | 51.4               | 53.4 | 55.6              | 58.8 | 18.5              | 2683 | 74                | 10730 | 560               | 3.81 |
| HL671-04-32     | 2"           | 50.8 | 64.3               | 66.3 | 68.2              | 71.4 | 16.5              | 2393 | 66                | 9570  | 660               | 5.01 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力 · 通过了多种性能测试

Corresponding working pressure same with EN/DIN, various performance tests passed

执行标准: EN856 4SP

结构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN856 4SP

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).





# AESTR® HL672-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |                    |  |                    |  |  |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P.<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                    |                                                                                     |                    |                                                                                     |                                                                                     |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                | psi                                                                                 | Mpa                | psi                                                                                 | mm                                                                                  | Kg/m           |
| HL672-04-12     | 3/4"         | 19.0 | 27.6                                                                              | 29.2                                                                              | 31.4        | 33.0                                                                              | 42.0               | 6090                                                                                | 168                | 24360                                                                               | 280                                                                                 | 1.48           |
| HL672-04-14     | 7/8"         | 22.2 | 31.2                                                                              | 32.8                                                                              | 34.8        | 36.4                                                                              | 38.0               | 5510                                                                                | 152                | 22040                                                                               | 340                                                                                 | 1.85           |
| HL672-04-16     | 1"           | 25.4 | 34.4                                                                              | 36.0                                                                              | 37.5        | 39.9                                                                              | 38.0               | 5510                                                                                | 152                | 22040                                                                               | 340                                                                                 | 2.03           |
| HL672-04-20     | 1-1/4"       | 31.8 | 40.9                                                                              | 42.9                                                                              | 43.9        | 47.1                                                                              | 32.5               | 4713                                                                                | 130                | 18850                                                                               | 460                                                                                 | 2.45           |
| HL672-04-24     | 1-1/2"       | 38.1 | 47.8                                                                              | 49.8                                                                              | 51.9        | 55.1                                                                              | 29.0               | 4205                                                                                | 116                | 16820                                                                               | 560                                                                                 | 2.97           |
| HL672-04-32     | 2"           | 50.8 | 62.2                                                                              | 64.2                                                                              | 66.5        | 69.7                                                                              | 25.0               | 3625                                                                                | 100                | 14500                                                                               | 700                                                                                 | 4.50           |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力・通过了多种性能测试

Corresponding working pressure same with EN/DIN, various performance tests passed

执行标准: EN856 4SH

结构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949 认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN856 4SH

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+100℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).





# AESTR® HL673-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |  |      |  |  |                   |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P<br>最大工作压力                                                                   |      | MIN B.P<br>最小爆破压力                                                                   |                                                                                     | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                                                                                     |      |                                                                                     |                                                                                     |                   |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                                                                                 | psi  | Mpa                                                                                 | psi                                                                                 | mm                | Kg/m           |
| HL673-04-06     | 3/8"         | 9.5  | 16.6                                                                              | 17.8                                                                              | 19.5        | 21.0                                                                              | 28.0                                                                                | 4060 | 112                                                                                 | 16240                                                                               | 130               | 0.63           |
| HL673-04-08     | 1/2"         | 12.7 | 19.9                                                                              | 21.5                                                                              | 23.0        | 24.6                                                                              | 28.0                                                                                | 4060 | 112                                                                                 | 16240                                                                               | 180               | 0.78           |
| HL673-04-10     | 5/8"         | 15.9 | 23.8                                                                              | 25.4                                                                              | 26.6        | 28.2                                                                              | 28.0                                                                                | 4060 | 112                                                                                 | 16240                                                                               | 200               | 0.97           |
| HL673-04-12     | 3/4"         | 19.0 | 26.9                                                                              | 28.4                                                                              | 29.9        | 31.5                                                                              | 28.0                                                                                | 4060 | 112                                                                                 | 16240                                                                               | 240               | 1.22           |
| HL673-04-16     | 1"           | 25.4 | 34.1                                                                              | 35.7                                                                              | 36.8        | 39.2                                                                              | 28.0                                                                                | 4060 | 112                                                                                 | 16240                                                                               | 300               | 1.80           |
| HL673-04-20     | 1-1/4"       | 31.8 | 42.7                                                                              | 45.1                                                                              | 45.4        | 48.6                                                                              | 21.0                                                                                | 3045 | 84                                                                                  | 12180                                                                               | 420               | 2.48           |
| HL673-04-24     | 1-1/2"       | 38.1 | 49.2                                                                              | 51.6                                                                              | 51.9        | 55.0                                                                              | 17.5                                                                                | 2538 | 70                                                                                  | 10150                                                                               | 500               | 2.91           |
| HL673-04-32     | 2"           | 50.8 | 62.5                                                                              | 64.8                                                                              | 65.1        | 68.3                                                                              | 17.5                                                                                | 2538 | 70                                                                                  | 10150                                                                               | 630               | 4.07           |

## MAIN FEATURES 主要性能

SAE 100R12相应的工作压力 · 通过了多种性能测试

Corresponding working pressure same with SAE100R12, various performance tests passed

执行标准: SAE J517 100R12

结构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949 认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R12

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +121℃(Air: +70℃, Water: +85℃).





## AESTR® HL674-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |      |  |       |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |       | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Min                                                                               | Max  |                                                                                   |      |                                                                                     |       |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m |                                                                                     |
| HL674-04-12     | 3/4"         | 19.0 | 28.2                                                                              | 29.8 | 31.0                                                                              | 33.2 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 240                                                                                 | 1.49 |                                                                                     |
| HL674-04-16     | 1"           | 25.4 | 34.9                                                                              | 36.4 | 37.6                                                                              | 39.8 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 300                                                                                 | 2.03 |                                                                                     |
| HL674-04-20     | 1-1/4"       | 31.8 | 45.6                                                                              | 48.0 | 48.3                                                                              | 51.3 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 420                                                                                 | 2.70 |                                                                                     |
| HL674-06-24     | 1-1/2"       | 38.1 | 53.1                                                                              | 55.5 | 55.8                                                                              | 58.8 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 500                                                                                 | 4.97 |                                                                                     |
| HL674-06-32     | 2"           | 50.8 | 66.9                                                                              | 69.3 | 69.5                                                                              | 72.7 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 630                                                                                 | 6.38 |                                                                                     |
| HL664-06-40     | 2-1/2"       | 63.5 | 79.8                                                                              | 82.0 | 83.5                                                                              | 86.3 | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 800                                                                                 | 7.87 |                                                                                     |

### MAIN FEATURES 主要性能

SAE 100R13相应的工作压力·通过了多种性能测试

Corresponding working pressure same with SAE100R13, various performance tests passed

执行标准: SAE J517 100R13

结构: 软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R13

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).

### AESTR® HL674-06





## AESTR® HL675-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL675-04-06     | 3/8"         | 9.5  | 20.3                                                                              | 23.3                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 150                                                                                 | 0.76                                                                                |
| HL675-04-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.8                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 200                                                                                 | 0.85                                                                                |
| HL675-04-10     | 5/8"         | 15.9 | 26.0                                                                              | 28.8                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 230                                                                                 | 1.05                                                                                |
| HL675-04-12     | 3/4"         | 19.0 | 32.9                                                                              | 36.1                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 265                                                                                 | 1.64                                                                                |
| HL675-04-16     | 1"           | 25.4 | 38.9                                                                              | 42.9                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 330                                                                                 | 2.23                                                                                |
| HL675-06-20     | 1-1/4"       | 31.8 | 48.4                                                                              | 51.5                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 445                                                                                 | 4.16                                                                                |
| HL675-06-24     | 1-1/2"       | 38.1 | 56.3                                                                              | 59.6                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 530                                                                                 | 5.12                                                                                |
| HL675-06-32     | 2"           | 50.8 | 69.4                                                                              | 72.9                                                                              | 42.0                                                                              | 6090 | 168                                                                                 | 24360 | 630                                                                                 | 6.54                                                                                |

### MAIN FEATURES 主要性能

SAE 100R15相应的工作压力·通过了多种性能测试

Corresponding working pressure same with SAE100R15, various performance tests passed

执行标准: SAE J517 100R15

结构: 软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R15

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).

### AESTR® HL675-06





# AESTR® HL676-01

| Part No.<br>零件号 | I.D.<br>软管内径 |     |  |  |  |  |  |  |                |    |      |
|-----------------|--------------|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|----|------|
|                 |              |     | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |    |      |
|                 |              |     | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 | inch         | mm  | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm | Kg/m |
| HL676-01-04     | 1/4"         | 6.4 | 9.6                                                                               | 10.8                                                                              | 13.5                                                                              | 7.0                                                                                 | 1015                                                                                | 28                                                                                  | 4060           | 30 | 0.14 |
| HL676-01-06     | 3/8"         | 9.5 | 12.7                                                                              | 14.5                                                                              | 16.9                                                                              | 7.0                                                                                 | 1015                                                                                | 28                                                                                  | 4060           | 40 | 0.22 |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |
|                 |              |     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |    |      |

## MAIN FEATURES 主要性能

超柔软 · 弯曲半径小 · 重量轻 · 通过了多种性能测试

More flexible, small bending radius, light weight, many performances test passed

### 紧密型一层钢丝编织先导管、压力回油管

**结 构:** 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

胶管外观为布纹面和光面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

### Compact oil return rubber hydraulic hose with One steel wire reinforced (PILOT HOSE)

**Construction:** The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

we could produce wrapped cover and smooth cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

**用 途:** 适用于挖机、各种工程车辆的先导管、压力回流管。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

**Application:** Suitable for excavator, various pilot hose for construction machinery, pressure return hose.

Temperature range: -40℃ ~ +121℃(Air: +70℃, Water: +85℃).





# AESTR® HL677-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |                   |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|
|                 |              |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.R<br>最小弯曲半径 |
|                 |              |      | Max                                                                               |                                                                                     |                                                                                     |                   |
| 纤维增强            | inch         | mm   | mm                                                                                | Mpa                                                                                 | psi                                                                                 | mm                |
| HL677-01-03     | 3/16"        | 4.8  | 11.4                                                                              | 21.0                                                                                | 2900                                                                                | 25                |
| HL677-01-04     | 1/4"         | 6.3  | 13.7                                                                              | 19.2                                                                                | 2900                                                                                | 32                |
| HL677-01-05     | 5/16"        | 8.0  | 15.6                                                                              | 17.5                                                                                | 2610                                                                                | 45                |
| HL677-01-06     | 3/8"         | 10.0 | 18.4                                                                              | 15.7                                                                                | 2320                                                                                | 55                |
| HL677-01-08     | 1/2"         | 13.0 | 22.5                                                                              | 14.0                                                                                | 2030                                                                                | 77                |
| HL677-01-10     | 5/8"         | 16.0 | 25.8                                                                              | 10.5                                                                                | 1450                                                                                | 110               |
| HL677-01-12     | 3/4"         | 19.0 | 28.6                                                                              | 8.7                                                                                 | 1305                                                                                | 140               |
| HL677-01-16     | 1"           | 25.0 | 36.7                                                                              | 7.0                                                                                 | 1015                                                                                | 200               |

## MAIN FEATURES 主要性能

SAE100R7相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R7, various performance tests passed.

执行标准: SAE J517 100R7

结 构: 软管由耐液压液体的热塑内胶层、合成纤维或钢丝增加层, 并耐液压液体、耐气候的热塑外胶层组成。

胶管可双联、三联, 并可做导电和非导电电热塑管, 外观颜色可做黑色、橙黄色、其它颜色可订制。

通过认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard : SAE J517 100R7

Construction: The hose consists of thermoplastic inner tube with hydraulic fluids resistance, synthetic fiber or steel wire as reinforcement, thermoplastic cover with hydraulic fluids and weather conditions resistance.

Twin hose or multi lines hose available with conductive and non-conductive (black and orange color available, other colors could customize)

Certificate: MSHA IC-330/1、ISO9001、IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基、水基和液压基流体。  
常用于农业机械、土方机械、工程机械等设备的液体输送。

温度范围: -40℃~±100℃。

Application : Suitable for water and petroleum-based hydraulic fluids. Widely used in the fields of liquid transportation in agricultural machinery, earthmoving machinery, engineering machinery, and other equipment.

Temperature range : -40℃~+100℃.





# AESTR® HL677-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |                   |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|
|                 |              |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.R<br>最小弯曲半径 |
|                 |              |      | Max                                                                               |                                                                                     |                                                                                     |                   |
| 钢丝增强            | inch         | mm   | mm                                                                                | Mpa                                                                                 | psi                                                                                 | mm                |
| HL677-01-03     | 3/16"        | 4.8  | 11.4                                                                              | 35.0                                                                                | 5075                                                                                | 30                |
| HL677-01-04     | 1/4"         | 6.3  | 13.7                                                                              | 35.0                                                                                | 5075                                                                                | 40                |
| HL677-01-05     | 5/16"        | 8.0  | 15.6                                                                              | 24.0                                                                                | 3480                                                                                | 50                |
| HL677-01-06     | 3/8"         | 10.0 | 18.4                                                                              | 22.5                                                                                | 3263                                                                                | 60                |
| HL677-01-08     | 1/2"         | 13.0 | 22.5                                                                              | 19.0                                                                                | 2755                                                                                | 75                |
| HL677-01-10     | 5/8"         | 16.0 | 25.8                                                                              | 15.0                                                                                | 2175                                                                                | 110               |
| HL677-01-12     | 3/4"         | 19.0 | 28.6                                                                              | 13.0                                                                                | 1885                                                                                | 150               |
| HL677-01-16     | 1"           | 25.0 | 36.7                                                                              | 10.5                                                                                | 1523                                                                                | 230               |

## MAIN FEATURES 主要性能

SAE100R7相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R7, various performance tests passed.

执行标准: SAE J517 100R7

结 构: 软管由耐液压液体的热塑内胶层、合成纤维或钢丝增加层, 并耐液压液体、耐天候的热塑外胶层组成。

胶管可双联、三联, 并可做导电和非导电热塑管, 外观颜色可做黑色、橙黄色、其它颜色可订制。

通过认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard : SAE J517 100R7

Construction: The hose consists of thermoplastic inner tube with hydraulic fluids resistance, synthetic fiber or steel wire as reinforcement, thermoplastic cover with hydraulic fluids and weather conditions resistance.

Twin hose or multi lines hose available with conductive and non-conductive (black and orange color available, other colors could customize)

Certificate: MSHA IC-330/1、ISO9001、IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.



用 途: 适用于石油基、水基和液压基流体。  
常用于农业机械、土方机械、工程机械等设备的液体输送。

温度范围: -40℃~±100℃。

Application : Suitable for water and petroleum-based hydraulic fluids. Widely used in the fields of liquid transportation in agricultural machinery, earthmoving machinery, engineering machinery, and other equipment.

Temperature range : -40℃~+100℃.



# AESTR® HL678-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |      | MIN B.R<br>最小弯曲半径                                                                   |
|                 |              |      | Max                                                                               |                                                                                     |      |                                                                                     |
| 纤维增强            | inch         | mm   | mm                                                                                | Mpa                                                                                 | psi  | mm                                                                                  |
| HL678-01-03     | 3/16"        | 4.8  | 14.6                                                                              | 35.0                                                                                | 5075 | 40                                                                                  |
| HL678-01-04     | 1/4"         | 6.3  | 16.8                                                                              | 30.0                                                                                | 4350 | 45                                                                                  |
| HL678-01-06     | 3/8"         | 10.0 | 20.3                                                                              | 26.0                                                                                | 3770 | 65                                                                                  |
| HL678-01-08     | 1/2"         | 13.0 | 24.6                                                                              | 24.0                                                                                | 3480 | 80                                                                                  |
| HL678-01-10     | 5/8"         | 16.0 | 29.8                                                                              | 20.0                                                                                | 2900 | 100                                                                                 |
| HL678-01-12     | 3/4"         | 19.0 | 33.0                                                                              | 16.0                                                                                | 2320 | 140                                                                                 |
| HL678-01-16     | 1"           | 25.0 | 38.6                                                                              | 14.0                                                                                | 2030 | 200                                                                                 |

## MAIN FEATURES 主要性能

SAE100R8相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R8, various performance tests passed.

执行标准: SAE J517 100R8

结 构: 软管由耐液压液体的热塑内胶层、合成纤维或钢丝增加层, 并耐液压液体、耐天候的热塑外胶层组成。

胶管可双联、三联, 并可做导电和非导电热塑管, 外观颜色可做黑色、橙黄色、其它颜色可订制。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard : SAE J517 100R8

Construction: The hose consists of thermoplastic inner tube with hydraulic fluids resistance, synthetic fiber or steel wire as reinforcement, thermoplastic cover with hydraulic fluids and weather conditions resistance.

Twin hose or multi lines hose available with conductive and non-conductive (black and orange color available, other colors could customize)

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc .

用 途: 适用于石油基、水基和液压基流体。

温度范围: -40℃~±100℃。

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -40℃~+100℃.





# AESTR® HL678-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |      | MIN B.R<br>最小弯曲半径                                                                   |
|                 |              |      | Max                                                                               |                                                                                     |      |                                                                                     |
| 钢丝增强            | inch         | mm   | mm                                                                                | Mpa                                                                                 | psi  | mm                                                                                  |
| HL678-01-03     | 3/16"        | 4.8  | 14.6                                                                              | 45.0                                                                                | 6525 | 80                                                                                  |
| HL678-01-04     | 1/4"         | 6.3  | 16.8                                                                              | 43.0                                                                                | 6235 | 100                                                                                 |
| HL678-01-06     | 3/8"         | 10.0 | 20.3                                                                              | 33.0                                                                                | 4785 | 130                                                                                 |
| HL678-01-08     | 1/2"         | 13.0 | 24.6                                                                              | 27.0                                                                                | 3915 | 180                                                                                 |
| HL678-01-10     | 5/8"         | 16.0 | 29.8                                                                              | 25.0                                                                                | 3625 | 205                                                                                 |
| HL678-01-12     | 3/4"         | 19.0 | 33.0                                                                              | 21.5                                                                                | 3118 | 255                                                                                 |
| HL678-01-16     | 1"           | 25.0 | 38.6                                                                              | 16.5                                                                                | 2393 | 305                                                                                 |

## MAIN FEATURES 主要性能

SAE100R8相应的工作压力 • 通过了多种性能测试

Corresponding working pressure same with SAE100R8, various performance tests passed.

执行标准: SAE J517 100R8

结 构: 软管由耐液压液体的热塑内胶层、合成纤维或钢丝增加层, 并耐液压液体、耐气候的热塑外胶层组成。

胶管可双联、三联, 并可做导电和非导电电热塑管, 外观颜色可做黑色、橙黄色、其它颜色可订制。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard : SAE J517 100R8

Construction: The hose consists of thermoplastic inner tube with hydraulic fluids resistance, synthetic fiber or steel wire as reinforcement, thermoplastic cover with hydraulic fluids and weather conditions resistance.

Twin hose or multi lines hose available with conductive and non-conductive (black and orange color available, other colors could customize)

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc .

用 途: 适用于石油基、水基和液压基流体。

温度范围: -40℃~±100℃。

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -40℃~+100℃.





# WELONE® HL771-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                |     |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |     |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |     |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm  | Kg/m |
| HL771-01-03     | 3/16"        | 4.8  | 9.0                                                                               | 10.0                                                                              | 12.5                                                                              | 25.0                                                                                | 3625                                                                                | 113                                                                                 | 16313          | 90  | 0.20 |
| HL771-01-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 22.5                                                                                | 3263                                                                                | 101                                                                                 | 14681          | 100 | 0.24 |
| HL771-01-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 21.5                                                                                | 3118                                                                                | 97                                                                                  | 14029          | 115 | 0.27 |
| HL771-01-06     | 3/8"         | 9.5  | 14.5                                                                              | 15.7                                                                              | 18.1                                                                              | 18.0                                                                                | 2610                                                                                | 81                                                                                  | 11745          | 125 | 0.35 |
| HL771-01-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1                                                                              | 21.5                                                                              | 16.0                                                                                | 2320                                                                                | 72                                                                                  | 10440          | 180 | 0.45 |
| HL771-01-10     | 5/8"         | 15.9 | 20.6                                                                              | 22.2                                                                              | 24.7                                                                              | 13.0                                                                                | 1885                                                                                | 59                                                                                  | 8483           | 205 | 0.52 |
| HL771-01-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.2                                                                              | 28.6                                                                              | 10.5                                                                                | 1523                                                                                | 47                                                                                  | 6851           | 240 | 0.67 |
| HL771-01-16     | 1"           | 25.4 | 32.5                                                                              | 34.1                                                                              | 36.6                                                                              | 8.7                                                                                 | 1262                                                                                | 39                                                                                  | 5677           | 300 | 0.98 |
| HL771-01-20     | 1-1/4"       | 31.8 | 39.3                                                                              | 41.7                                                                              | 44.8                                                                              | 6.2                                                                                 | 899                                                                                 | 28                                                                                  | 4046           | 420 | 1.22 |
| HL771-01-24     | 1-1/2"       | 38.1 | 45.6                                                                              | 48.0                                                                              | 52.1                                                                              | 5.0                                                                                 | 725                                                                                 | 23                                                                                  | 3263           | 500 | 1.54 |
| HL771-01-32     | 2"           | 50.8 | 58.7                                                                              | 61.7                                                                              | 65.9                                                                              | 4.0                                                                                 | 580                                                                                 | 18                                                                                  | 2610           | 630 | 2.12 |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·温度范围大  
Exceed the working pressure of EN/DIN, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, large temperature range

执行标准: EN853 1SN、SAE100R1AT

结 构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN853 1SN, SAE100R1AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL771-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                |     |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |     |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |     |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm  | Kg/m |
| HL771-02-03     | 3/16"        | 4.8  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 41.5                                                                                | 6018                                                                                | 187                                                                                 | 27079          | 90  | 0.34 |
| HL771-02-04     | 1/4"         | 6.4  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 40.0                                                                                | 5800                                                                                | 180                                                                                 | 26100          | 100 | 0.37 |
| HL771-02-05     | 5/16"        | 7.9  | 13.7                                                                              | 14.9                                                                              | 17.3                                                                              | 35.0                                                                                | 5075                                                                                | 158                                                                                 | 22838          | 115 | 0.42 |
| HL771-02-06     | 3/8"         | 9.5  | 16.1                                                                              | 17.3                                                                              | 19.7                                                                              | 33.0                                                                                | 4785                                                                                | 149                                                                                 | 21533          | 125 | 0.56 |
| HL771-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6                                                                              | 23.0                                                                              | 27.5                                                                                | 3988                                                                                | 124                                                                                 | 17944          | 180 | 0.64 |
| HL771-02-10     | 5/8"         | 15.9 | 22.2                                                                              | 23.8                                                                              | 26.2                                                                              | 25.0                                                                                | 3625                                                                                | 113                                                                                 | 16313          | 205 | 0.77 |
| HL771-02-12     | 3/4"         | 19.0 | 26.2                                                                              | 27.8                                                                              | 30.1                                                                              | 21.5                                                                                | 3118                                                                                | 97                                                                                  | 14029          | 240 | 0.94 |
| HL771-02-16     | 1"           | 25.4 | 34.1                                                                              | 35.7                                                                              | 38.9                                                                              | 16.5                                                                                | 2393                                                                                | 74                                                                                  | 10766          | 300 | 1.43 |
| HL771-02-20     | 1-1/4"       | 31.8 | 43.3                                                                              | 45.7                                                                              | 49.5                                                                              | 12.5                                                                                | 1813                                                                                | 56                                                                                  | 8156           | 420 | 1.93 |
| HL771-02-24     | 1-1/2"       | 38.1 | 49.6                                                                              | 52.0                                                                              | 55.9                                                                              | 9.0                                                                                 | 1305                                                                                | 41                                                                                  | 5873           | 500 | 2.32 |
| HL771-02-32     | 2"           | 50.8 | 62.3                                                                              | 64.7                                                                              | 68.6                                                                              | 8.0                                                                                 | 1160                                                                                | 36                                                                                  | 5220           | 630 | 2.99 |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·温度范围大  
Exceed the working pressure of EN/DIN, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, large temperature range

执行标准: EN853 2SN、SAE100R2AT

结 构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN853 2SN, SAE100R2AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL772-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL772-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8 | 13.5                                                                              | 22.5                                                                              | 3263 | 101                                                                                 | 14681 | 50                                                                                  | 0.20                                                                                |
| HL772-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1 | 14.5                                                                              | 21.5                                                                              | 3118 | 97                                                                                  | 14029 | 55                                                                                  | 0.22                                                                                |
| HL772-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5 | 16.9                                                                              | 18.0                                                                              | 2610 | 81                                                                                  | 11745 | 63                                                                                  | 0.27                                                                                |
| HL772-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1 | 20.4                                                                              | 16.0                                                                              | 2320 | 72                                                                                  | 10440 | 90                                                                                  | 0.33                                                                                |
| HL772-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0 | 23.0                                                                              | 13.0                                                                              | 1885 | 59                                                                                  | 8483  | 100                                                                                 | 0.44                                                                                |
| HL772-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4 | 26.7                                                                              | 10.5                                                                              | 1523 | 47                                                                                  | 6851  | 120                                                                                 | 0.52                                                                                |
| HL772-01-16     | 1"           | 25.4 | 30.7                                                                              | 31.9 | 34.9                                                                              | 8.8                                                                               | 1276 | 40                                                                                  | 5742  | 160                                                                                 | 0.82                                                                                |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径更小·温度范围大  
Exceed the working pressure of EN/DIN, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, small bending radius, large temperature range

执行标准: EN857 1SC

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 1SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL772-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL772-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7 | 14.2                                                                              | 40.0                                                                              | 5800 | 180                                                                                 | 26100 | 50                                                                                  | 0.29                                                                                |
| HL772-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 16.0                                                                              | 35.0                                                                              | 5075 | 158                                                                                 | 22838 | 55                                                                                  | 0.35                                                                                |
| HL772-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6 | 18.3                                                                              | 33.0                                                                              | 4785 | 149                                                                                 | 21533 | 63                                                                                  | 0.39                                                                                |
| HL772-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 27.5                                                                              | 3988 | 124                                                                                 | 17944 | 90                                                                                  | 0.58                                                                                |
| HL772-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3 | 24.7                                                                              | 25.0                                                                              | 3625 | 113                                                                                 | 16313 | 100                                                                                 | 0.65                                                                                |
| HL772-02-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.4 | 28.6                                                                              | 21.5                                                                              | 3118 | 97                                                                                  | 14029 | 120                                                                                 | 0.85                                                                                |
| HL772-02-16     | 1"           | 25.4 | 32.5                                                                              | 34.3 | 36.6                                                                              | 16.5                                                                              | 2393 | 74                                                                                  | 10766 | 160                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径更小·温度范围大  
Exceed the working pressure of EN/DIN, The weather resistance performance is 5 times more than the regular hose,  
Impulse performance with 50% higher, small bending radius, large temperature range

执行标准: EN857 2SC

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 2SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover;  
Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃,  
水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃,  
Water: +85℃).





# WELONE® HL773-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL773-02-04     | 1/4"         | 6.4  | 12.3                                                                              | 14.5                                                                              | 40.0                                                                              | 5800 | 180                                                                                 | 26100 | 50                                                                                  | 0.29                                                                                |
| HL773-02-05     | 5/16"        | 7.9  | 13.3                                                                              | 15.7                                                                              | 35.0                                                                              | 5075 | 158                                                                                 | 22838 | 55                                                                                  | 0.35                                                                                |
| HL773-02-06     | 3/8"         | 9.5  | 15.9                                                                              | 18.8                                                                              | 33.0                                                                              | 4785 | 149                                                                                 | 21533 | 65                                                                                  | 0.39                                                                                |
| HL773-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 22.0                                                                              | 27.5                                                                              | 3988 | 124                                                                                 | 17944 | 90                                                                                  | 0.58                                                                                |
| HL773-02-10     | 5/8"         | 15.9 | 22.6                                                                              | 25.4                                                                              | 25.0                                                                              | 3625 | 113                                                                                 | 16313 | 100                                                                                 | 0.65                                                                                |
| HL773-02-12     | 3/4"         | 19.0 | 26.3                                                                              | 29.0                                                                              | 21.5                                                                              | 3118 | 97                                                                                  | 14029 | 120                                                                                 | 0.85                                                                                |
| HL773-02-16     | 1"           | 25.4 | 34.0                                                                              | 36.6                                                                              | 16.5                                                                              | 2393 | 74                                                                                  | 10766 | 150                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径更小·温度范围大  
Exceed the working pressure of EN/DIN, The weather resistance performance is 5 times more than the regular hose,  
Impulse performance with 50% higher, small bending radius, large temperature range

执行标准: SAE J517 100R16

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐气候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R16

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover;  
Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +121°C. (空气: +70°C,  
水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +121°C(Air: +70°C,  
Water: +85°C).





# WELONE® HL774-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                    |       |                   |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|-------|-------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       |                                                                                     | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.P.<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min                                                                               | Max                                                                                 |                                                                                     |                                                                                     |                    |       |                   |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | mm                                                                                  | Mpa                                                                                 | psi                                                                                 | Mpa                | psi   | mm                | Kg/m           |
| HL774-04-04     | 1/4"         | 6.4  | 14.1                                                                              | 15.3                                                                              | 17.1                                                                              | 18.7                                                                                | 45.0                                                                                | 6525                                                                                | 203                | 29363 | 150               | 0.59           |
| HL774-04-05     | 5/16"        | 7.9  | 15.6                                                                              | 17.2                                                                              | 18.6                                                                              | 20.2                                                                                | 45.0                                                                                | 6525                                                                                | 203                | 29363 | 150               | 0.67           |
| HL774-04-06     | 3/8"         | 9.5  | 16.9                                                                              | 18.1                                                                              | 20.6                                                                              | 22.2                                                                                | 44.5                                                                                | 6453                                                                                | 200                | 29036 | 180               | 0.76           |
| HL774-04-08     | 1/2"         | 12.7 | 19.4                                                                              | 21.0                                                                              | 23.8                                                                              | 25.4                                                                                | 41.5                                                                                | 6018                                                                                | 187                | 27079 | 230               | 0.87           |
| HL774-04-10     | 5/8"         | 15.9 | 23.0                                                                              | 24.6                                                                              | 27.4                                                                              | 29.0                                                                                | 35.0                                                                                | 5075                                                                                | 158                | 22838 | 250               | 1.00           |
| HL774-04-12     | 3/4"         | 19.0 | 27.4                                                                              | 29.0                                                                              | 31.4                                                                              | 33.0                                                                                | 35.0                                                                                | 5075                                                                                | 158                | 22838 | 300               | 1.48           |
| HL774-04-14     | 7/8"         | 22.2 | 31.2                                                                              | 32.8                                                                              | 34.8                                                                              | 36.4                                                                                | 35.0                                                                                | 5075                                                                                | 158                | 22838 | 300               | 1.88           |
| HL774-04-16     | 1"           | 25.4 | 34.5                                                                              | 36.1                                                                              | 38.5                                                                              | 40.9                                                                                | 28.0                                                                                | 4060                                                                                | 126                | 18270 | 340               | 2.04           |
| HL774-04-20     | 1-1/4"       | 31.8 | 45.0                                                                              | 47.0                                                                              | 49.2                                                                              | 52.4                                                                                | 21.0                                                                                | 3045                                                                                | 95                 | 13703 | 460               | 3.18           |
| HL774-04-24     | 1-1/2"       | 38.1 | 51.4                                                                              | 53.4                                                                              | 55.6                                                                              | 58.8                                                                                | 18.5                                                                                | 2683                                                                                | 83                 | 12071 | 560               | 3.81           |
| HL774-04-32     | 2"           | 50.8 | 64.3                                                                              | 66.3                                                                              | 68.2                                                                              | 71.4                                                                                | 16.5                                                                                | 2393                                                                                | 74                 | 10766 | 660               | 5.01           |

## MAIN FEATURES 主要性能

超越4SP相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径小·温度范围大  
Exceed the working pressure of 4SP, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, small bending radius, large temperature range

执行标准: EN856 4SP

结 构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN856 4SP

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL775-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |                    |  |                   |  |  |      |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   |      | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                    |                                                                                     |                   |                                                                                     |                                                                                     |      |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                | psi                                                                                 | Mpa               | psi                                                                                 | mm                                                                                  | Kg/m |                |
| HL775-04-12     | 3/4"         | 19.0 | 27.6                                                                              | 29.2                                                                              | 31.4        | 33.0                                                                              | 42.0               | 6090                                                                                | 189               | 27405                                                                               | 280                                                                                 | 1.48 |                |
| HL775-04-14     | 7/8"         | 22.2 | 31.2                                                                              | 32.8                                                                              | 34.8        | 36.4                                                                              | 38.0               | 5510                                                                                | 171               | 24795                                                                               | 340                                                                                 | 1.85 |                |
| HL775-04-16     | 1"           | 25.4 | 34.4                                                                              | 36.0                                                                              | 37.5        | 39.9                                                                              | 38.0               | 5510                                                                                | 171               | 24795                                                                               | 340                                                                                 | 2.03 |                |
| HL775-04-20     | 1-1/4"       | 31.8 | 40.9                                                                              | 42.9                                                                              | 43.9        | 47.1                                                                              | 32.5               | 4713                                                                                | 146               | 21206                                                                               | 460                                                                                 | 2.45 |                |
| HL775-04-24     | 1-1/2"       | 38.1 | 47.8                                                                              | 49.8                                                                              | 51.9        | 55.1                                                                              | 29.0               | 4205                                                                                | 131               | 18923                                                                               | 560                                                                                 | 2.97 |                |
| HL775-04-32     | 2"           | 50.8 | 62.2                                                                              | 64.2                                                                              | 66.5        | 69.7                                                                              | 25.0               | 3625                                                                                | 113               | 16313                                                                               | 700                                                                                 | 4.50 |                |

## MAIN FEATURES 主要性能

超越4SH相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径小·温度范围大  
Exceed the working pressure of 4SH, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, small bending radius, large temperature range

执行标准: EN856 4SH

结构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN856 4SH

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL776-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 |      | bar                |      | ★                 |       | ↩                 |      |
|-----------------|--------------|------|----------------|------|-------------|------|--------------------|------|-------------------|-------|-------------------|------|
|                 |              |      | Min            |      | Min         |      | MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 |      |
|                 |              |      | mm             | mm   | mm          | mm   | Mpa                | psi  | Mpa               | psi   | mm                | kg   |
|                 | inch         | mm   | mm             | mm   | mm          | mm   | Mpa                | psi  | Mpa               | psi   | mm                | Kg/m |
| HL776-04-06     | 3/8"         | 9.5  | 16.6           | 17.8 | 19.5        | 21.0 | 28.0               | 4060 | 126               | 18270 | 130               | 0.63 |
| HL776-04-08     | 1/2"         | 12.7 | 19.9           | 21.5 | 23.0        | 24.6 | 28.0               | 4060 | 126               | 18270 | 180               | 0.78 |
| HL776-04-10     | 5/8"         | 15.9 | 23.8           | 25.4 | 26.6        | 28.2 | 28.0               | 4060 | 126               | 18270 | 200               | 0.97 |
| HL776-04-12     | 3/4"         | 19.0 | 26.9           | 28.4 | 29.9        | 31.5 | 28.0               | 4060 | 126               | 18270 | 240               | 1.22 |
| HL776-04-16     | 1"           | 25.4 | 34.1           | 35.7 | 36.8        | 39.2 | 28.0               | 4060 | 126               | 18270 | 300               | 1.80 |
| HL776-04-20     | 1-1/4"       | 31.8 | 42.7           | 45.1 | 45.4        | 48.6 | 21.0               | 3045 | 95                | 13703 | 420               | 2.48 |
| HL776-04-24     | 1-1/2"       | 38.1 | 49.2           | 51.6 | 51.9        | 55.0 | 17.5               | 2538 | 79                | 11419 | 500               | 2.91 |
| HL776-04-32     | 2"           | 50.8 | 62.5           | 64.8 | 65.1        | 68.3 | 17.5               | 2538 | 79                | 11419 | 630               | 4.07 |

## MAIN FEATURES 主要性能

超越SAE 100R12相应的工作压力·耐候性是普通软管的5倍·脉冲性能提升50%·弯曲半径小  
Exceed the working pressure of R12, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, small bending radius

执行标准: SAE J517 100R12

结 构: 软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R12

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL777-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL777-04-06     | 3/8"         | 9.5  | 20.3                                                                              | 23.3                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 150                                                                                 | 0.76                                                                                |
| HL777-04-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 200                                                                                 | 0.85                                                                                |
| HL777-04-10     | 5/8"         | 15.9 | 26.0                                                                              | 28.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 230                                                                                 | 1.05                                                                                |
| HL777-04-12     | 3/4"         | 19.0 | 32.9                                                                              | 36.1                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 265                                                                                 | 1.64                                                                                |
| HL777-04-16     | 1"           | 25.4 | 38.9                                                                              | 42.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 330                                                                                 | 2.23                                                                                |
| HL777-06-20     | 1-1/4"       | 31.8 | 48.4                                                                              | 51.5                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 445                                                                                 | 4.16                                                                                |
| HL777-06-24     | 1-1/2"       | 38.1 | 56.3                                                                              | 59.6                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 530                                                                                 | 5.12                                                                                |
| HL777-06-32     | 2"           | 50.8 | 69.4                                                                              | 72.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 630                                                                                 | 6.54                                                                                |

## MAIN FEATURES 主要性能

超越SAE 100R15相应的工作压力 · 耐候性是普通软管的5倍 · 脉冲性能提升50% · 弯曲半径小  
Exceed the working pressure of R15, The weather resistance performance is 5 times more than the regular hose, Impulse performance with 50% higher, small bending radius

执行标准: SAE J517 100R15

结 构: 软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R15

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).

## WELONE® HL777-06





# WELONE® HL778-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |                    |  |                   |  |  |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | O.D<br>连体外径                                                                       | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               | Max                                                                               |                    |                                                                                     |                   |                                                                                     |                                                                                     |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                | psi                                                                                 | Mpa               | psi                                                                                 | mm                                                                                  | Kg/m           |
| HL778-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8                                                                              | 13.5                                                                              | 27.0                                                                              | 22.5               | 3263                                                                                | 90                | 13050                                                                               | 50                                                                                  | 0.38           |
| HL778-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1                                                                              | 14.5                                                                              | 29.0                                                                              | 21.5               | 3118                                                                                | 86                | 12470                                                                               | 55                                                                                  | 0.43           |
| HL778-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5                                                                              | 16.9                                                                              | 33.8                                                                              | 18.0               | 2610                                                                                | 72                | 10440                                                                               | 63                                                                                  | 0.52           |
| HL778-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1                                                                              | 20.4                                                                              | 40.8                                                                              | 16.0               | 2320                                                                                | 64                | 9280                                                                                | 90                                                                                  | 0.64           |
| HL778-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0                                                                              | 23.0                                                                              | 46.0                                                                              | 13.0               | 1885                                                                                | 52                | 7540                                                                                | 100                                                                                 | 0.77           |
| HL778-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4                                                                              | 26.7                                                                              | 53.4                                                                              | 10.5               | 1523                                                                                | 42                | 6090                                                                                | 120                                                                                 | 0.93           |

## MAIN FEATURES 主要性能

软管小弯曲、轻量化、通过性强、解决客户在狭小空间布管难问题

Small bending radius, lightweight construction, excellent routing capability, effectively solving the customer's problem of difficult installation in confined spaces.

执行标准：双联管

结 构：软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候黑色合成橡胶外胶层、通过两根软管外层挤压成型（胶管外观为光滑面）。

通过的认证：MSHA、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: TWIN HOSE

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL778-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | O.D<br>连体外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL778-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7 | 14.2                                                                              | 28.4                                                                              | 40.0                                                                              | 5800 | 160                                                                                 | 23200 | 75                                                                                  | 0.57                                                                                |
| HL778-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 16.0                                                                              | 32.0                                                                              | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 85                                                                                  | 0.67                                                                                |
| HL778-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6 | 18.3                                                                              | 36.6                                                                              | 33.0                                                                              | 4785 | 132                                                                                 | 19140 | 90                                                                                  | 0.80                                                                                |
| HL778-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 43.0                                                                              | 27.5                                                                              | 3988 | 110                                                                                 | 15950 | 130                                                                                 | 0.96                                                                                |
| HL778-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3 | 24.7                                                                              | 49.4                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 170                                                                                 | 1.11                                                                                |

## MAIN FEATURES 主要性能

软管小弯曲、轻量化、通过性强、解决客户在狭小空间布管难问题

Thinner hose diameter, more flexible, small bending radius, light weight, suitable used in the small space.

执行标准：双联管

结 构：软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候黑色合成橡胶外胶层、通过两根软管外层挤压成型（胶管外观为光滑面）。

通过的认证：MSHA、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

**Standard:** TWIN HOSE

**Construction:** The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

**Certificate:** MSHA, ISO9001, IATF16949, etc.

**Packaging:** Carton cases, Plastic or wooden reels, etc.

**用 途：**适用于石油基或水基液压流体。

**温度范围：**-40℃~+100℃。（空气：+70℃，水：+85℃）

**Application:** Suitable for water and petroleum-based hydraulic fluids.

**Temperature range:** -40℃~+100℃(Air: +70℃, Water: +85℃).

**注：**客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

**NOTE:** If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL779-01

| Part No.<br>零件号 | Pkexuan<br>可选类型 |    |    |    | I.D.<br>软管内径 |      |  |  |  |  |  |     |      |
|-----------------|-----------------|----|----|----|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|------|
|                 |                 |    |    |    |              |      | O.D.<br>软管外径                                                                      | MAX W.P.<br>最大工作压力                                                                | MIN B.P.<br>最小爆破压力                                                                  | MIN B.R.<br>最小弯曲半径                                                                  | WEIGHT<br>参考重量                                                                      |     |      |
|                 |                 |    |    |    |              |      | Max                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |     |      |
|                 |                 |    |    |    | inch         | mm   | mm                                                                                | Mpa                                                                               | psi                                                                                 | Mpa                                                                                 | psi                                                                                 | mm  | Kg/m |
| HL779-01-04     | AC              | BC | CC |    | 1/4"         | 6.4  | 14.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 50  | 0.21 |
| HL779-01-05     | AC              | BC | CC |    | 5/16"        | 7.9  | 16.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 55  | 0.24 |
| HL779-02-06     | AC              | BC | CC |    | 3/8"         | 9.5  | 19.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 65  | 0.43 |
| HL779-02-08     | AC              | BC | CC |    | 1/2"         | 12.7 | 22.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 90  | 0.55 |
| HL779-02-10     | AC              | BC | CC |    | 5/8"         | 15.9 | 26.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 100 | 0.67 |
| HL779-02-12     | AC              | BC | CC |    | 3/4"         | 19.0 | 31.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 120 | 0.84 |
| HL779-04-16     |                 |    | CC | DC | 1"           | 25.4 | 39.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 300 | 1.79 |
| HL779-04-20     |                 |    | CC | DC | 1-1/4"       | 31.8 | 49.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 420 | 2.53 |
| HL779-04-24     |                 |    | CC | DC | 1-1/2"       | 38.1 | 56.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 560 | 3.09 |
| HL779-04-32     |                 |    | CC | DC | 2"           | 50.8 | 70.0                                                                              | 21.0                                                                              | 3045                                                                                | 84                                                                                  | 12180                                                                               | 630 | 4.56 |

## MAIN FEATURES 主要性能

符合/超越ISO 18752标准•全尺寸工作压力恒定•弯曲半径小•通过了多种性能测试

Meet/Exceed ISO18752 standard, Isobaric working pressure with all dimensions, Small bending radius, many performance tests passed.

执行标准: ISO 18752

结构: 软管由耐油合成橡胶内胶层、钢丝编织或缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过的认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: ISO 18752

Construction: The hose consists of oil resistant synthetic rubber for inner tube, high tensile steel wire braided or spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于1.0MPa以上的空气时, 软管需针刺。

温度范围: 型别 AC/BC: -40°C ~ +100°C  
型别 CC/DC: 40°C ~ +120°C

Application: Suitable for water and petroleum-based hydraulic fluids, and the hose will do the pin-prick when the hose used for the air more than 1.0 Mpa.

Temperature range: TYPE AC/BC: -40°C ~ +100°C  
TYPE CC/DC: -40°C ~ +120°C

## WELONE® HL779-02



## WELONE® HL779-04





# WELONE® HL780-02

| Part No.<br>零件号 | Pkexuan<br>可选类型 |    |    |    | I.D.<br>软管内径 |      |  |  |  |  |  |     |      |
|-----------------|-----------------|----|----|----|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|------|
|                 |                 |    |    |    |              |      | O.D.<br>软管外径                                                                      | MAX W.P.<br>最大工作压力                                                                | MIN B.P.<br>最小爆破压力                                                                  | MIN B.R.<br>最小弯曲半径                                                                  | WEIGHT<br>参考重量                                                                      |     |      |
|                 |                 |    |    |    |              |      | Max                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |     |      |
|                 |                 |    |    |    | inch         | mm   | mm                                                                                | Mpa                                                                               | psi                                                                                 | Mpa                                                                                 | psi                                                                                 | mm  | Kg/m |
| HL780-02-04     | AC              | BC | CC |    | 1/4"         | 6.4  | 15.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 50  | 0.29 |
| HL780-02-05     | AC              | BC | CC |    | 5/16"        | 7.9  | 16.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 55  | 0.35 |
| HL780-02-06     | AC              | BC | CC |    | 3/8"         | 9.5  | 19.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 65  | 0.41 |
| HL780-02-08     | AC              | BC | CC |    | 1/2"         | 12.7 | 23.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 90  | 0.54 |
| HL780-02-10     | AC              | BC | CC |    | 5/8"         | 15.9 | 27.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 100 | 0.65 |
| HL780-04-12     |                 |    | CC | DC | 3/4"         | 19.0 | 32.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 240 | 1.39 |
| HL780-04-16     |                 |    | CC | DC | 1"           | 25.4 | 39.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 300 | 1.95 |
| HL780-04-20     |                 |    | CC | DC | 1-1/4"       | 31.8 | 49.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 460 | 2.46 |
| HL780-04-24     |                 |    | CC | DC | 1-1/2"       | 38.1 | 56.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 560 | 3.00 |
| HL780-04-32     |                 |    | CC | DC | 2"           | 50.8 | 70.0                                                                              | 28.0                                                                              | 4060                                                                                | 112                                                                                 | 16240                                                                               | 630 | 4.43 |

## MAIN FEATURES 主要性能

符合/超越ISO 18752标准•全尺寸工作压力恒定•弯曲半径小•通过了多种性能测试

Meet/Exceed ISO18752 standard, Isobaric working pressure with all dimensions, Small bending radius, many performance tests passed.

执行标准: ISO 18752

结构: 软管由耐油合成橡胶内胶层、钢丝编织或缠绕增强层、耐候黑色合成橡胶外胶层组成。

通过的认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: ISO 18752

Construction: The hose consists of oil resistant synthetic rubber for inner tube, high tensile steel wire braided or spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于1.0MPa以上的空气时, 软管需针刺。

温度范围: 型别 AC/BC: -40℃~+100℃  
型别 CC/DC: 40℃~+120℃

Application: Suitable for water and petroleum-based hydraulic fluids, and the hose will do the pin-prick when the hose used for the air more than 1.0 Mpa.

Temperature range: TYPE AC/BC: - 40℃ ~ +100℃  
TYPE CC/DC: - 40℃ ~ +120℃

## WELONE® HL780-04





# WELONE® HL781-02

| Part No.<br>零件号 | Pkexuan<br>可选类型 |    |    |    | I.D.<br>软管内径 |      |  |  |  |  |  |     |      |
|-----------------|-----------------|----|----|----|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|------|
|                 |                 |    |    |    |              |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |     |      |
|                 |                 |    |    |    |              |      | Max                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |     |      |
|                 |                 |    |    |    | inch         | mm   | mm                                                                                | Mpa                                                                               | psi                                                                                 | Mpa                                                                                 | psi                                                                                 | mm  | Kg/m |
| HL781-02-04     | AC              | BC | CC |    | 1/4"         | 6.4  | 15.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 50  | 0.29 |
| HL781-02-05     | AC              | BC | CC |    | 5/16"        | 7.9  | 18.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 55  | 0.35 |
| HL781-04-06     |                 |    | CC | DC | 3/8"         | 9.5  | 22.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 65  | 0.76 |
| HL781-04-08     |                 |    | CC | DC | 1/2"         | 12.7 | 24.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 90  | 0.85 |
| HL781-04-10     |                 |    | CC | DC | 5/8"         | 15.9 | 34.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 210 | 1.05 |
| HL781-04-12     |                 |    | CC | DC | 3/4"         | 19.0 | 46.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 250 | 1.64 |
| HL781-04-16     |                 |    | CC | DC | 1"           | 25.4 | 50.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 300 | 2.22 |
| HL781-04-20     |                 |    | CC | DC | 1-1/4"       | 31.8 | 56.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 460 | 4.13 |
| HL781-06-24     |                 |    | CC | DC | 1-1/2"       | 38.1 | 72.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 560 | 5.13 |
| HL781-06-32     |                 |    | CC | DC | 2"           | 50.8 | 77.0                                                                              | 35.0                                                                              | 5075                                                                                | 140                                                                                 | 20300                                                                               | 630 | 6.56 |

## MAIN FEATURES 主要性能

符合/超越ISO 18752标准•全尺寸工作压力恒定•弯曲半径小•通过了多种性能测试

Meet/Exceed ISO18752 standard, Isobaric working pressure with all dimensions, Small bending radius, many performance tests passed.

执行标准: ISO 18752

结构: 软管由耐油合成橡胶内胶层、钢丝编织或缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过的认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: ISO 18752

Construction: The hose consists of oil resistant synthetic rubber for inner tube, high tensile steel wire braided or spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于1.0MPa以上的空气时, 软管需针刺。

温度范围: 型别 AC/BC: -40℃~+100℃  
型别 CC/DC: 40℃~+120℃

Application: Suitable for water and petroleum-based hydraulic fluids, and the hose will do the pin-prick when the hose used for the air more than 1.0 Mpa.

Temperature range: TYPE AC/BC: -40℃ ~ +100℃  
TYPE CC/DC: -40℃ ~ +120℃

## WELONE® HL781-04



## WELONE® HL781-06





# WELONE® HL782-02

| Part No.<br>零件号 | Pkexuan<br>可选类型 |    |    |    | I.D.<br>软管内径 |      |  |  |  |  |  |     |      |
|-----------------|-----------------|----|----|----|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|------|
|                 |                 |    |    |    |              |      | O.D.<br>软管外径                                                                      | MAX W.P.<br>最大工作压力                                                                | MIN B.P.<br>最小爆破压力                                                                  | MIN B.R.<br>最小弯曲半径                                                                  | WEIGHT<br>参考重量                                                                      |     |      |
|                 |                 |    |    |    |              |      | Max                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |     |      |
|                 |                 |    |    |    | inch         | mm   | mm                                                                                | Mpa                                                                               | psi                                                                                 | Mpa                                                                                 | psi                                                                                 | mm  | Kg/m |
| HL782-02-04     | AC              | BC | CC |    | 1/4"         | 6.4  | 15.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 50  | 0.27 |
| HL782-02-05     | AC              | BC | CC |    | 5/16"        | 7.9  | 16.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 55  | 0.27 |
| HL782-04-06     |                 |    | CC | DC | 3/8"         | 9.5  | 21.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 150 | 0.76 |
| HL782-04-08     |                 |    | CC | DC | 1/2"         | 12.7 | 25.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 180 | 0.85 |
| HL782-04-10     |                 |    | CC | DC | 5/8"         | 15.9 | 28.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 220 | 1.05 |
| HL782-04-12     |                 |    | CC | DC | 3/4"         | 19.0 | 36.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 280 | 1.64 |
| HL782-04-16     |                 |    | CC | DC | 1"           | 25.4 | 45.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 400 | 2.22 |
| HL782-06-20     |                 |    | CC | DC | 1-1/4"       | 31.8 | 52.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 480 | 4.13 |
| HL782-06-24     |                 |    | CC | DC | 1-1/2"       | 38.1 | 59.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 560 | 5.13 |
| HL782-06-32     |                 |    | CC | DC | 2"           | 50.8 | 73.0                                                                              | 42.0                                                                              | 6090                                                                                | 168                                                                                 | 24360                                                                               | 630 | 6.56 |

## MAIN FEATURES 主要性能

符合/超越ISO 18752标准•全尺寸工作压力恒定•弯曲半径小•通过了多种性能测试

Meet/Exceed ISO18752 standard, Isobaric working pressure with all dimensions, Small bending radius, many performance tests passed.

执行标准: ISO 18752

结构: 软管由耐油合成橡胶内胶层、钢丝编织或缠绕增强层、耐天候黑色合成橡胶外胶层组成。

通过的认证: MSHA、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: ISO 18752

Construction: The hose consists of oil resistant synthetic rubber for inner tube, high tensile steel wire braided or spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于1.0MPa以上的空气时, 软管需针刺。

温度范围: 型别 AC/BC: -40℃~+100℃  
型别 CC/DC: 40℃~+120℃

Application: Suitable for water and petroleum-based hydraulic fluids, and the hose will do the pin-prick when the hose used for the air more than 1.0 Mpa.

Temperature range: TYPE AC/BC: -40℃ ~ +100℃  
TYPE CC/DC: -40℃ ~ +120℃

## WELONE® HL782-04



## WELONE® HL782-06





# WELONE® HL881-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL881-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8 | 13.5                                                                              | 29.0                                                                              | 4205 | 116                                                                                 | 16820 | 40                                                                                  | 0.20                                                                                |
| HL881-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1 | 14.5                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 55                                                                                  | 0.22                                                                                |
| HL881-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5 | 16.9                                                                              | 23.0                                                                              | 3335 | 92                                                                                  | 13340 | 65                                                                                  | 0.27                                                                                |
| HL881-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1 | 20.4                                                                              | 20.0                                                                              | 2900 | 80                                                                                  | 11600 | 80                                                                                  | 0.33                                                                                |
| HL881-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0 | 23.0                                                                              | 15.0                                                                              | 2175 | 60                                                                                  | 8700  | 105                                                                                 | 0.44                                                                                |
| HL881-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4 | 26.7                                                                              | 12.5                                                                              | 1813 | 50                                                                                  | 7250  | 120                                                                                 | 0.52                                                                                |
| HL881-01-16     | 1"           | 25.4 | 30.7                                                                              | 31.9 | 34.9                                                                              | 11.0                                                                              | 1595 | 44                                                                                  | 6380  | 160                                                                                 | 0.82                                                                                |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·小弯曲·高耐磨·耐候性是普通软管的5倍·温度范围大·脉冲性能通过了70万次测试  
Exceed the working pressure of EN/DIN, small bending radius, high-abrasion resistance, The weather resistance performance is 5 times more than the regular hose, large temperature range, impulse performance more than 700,000 cycles

执行标准: EN857 1SC

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐气候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 1SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL881-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                   |                |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------------|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                   |                |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi               | mm             | Kg/m |
| HL881-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7                                                                              | 14.2                                                                              | 45.0                                                                                | 6525                                                                                | 180                                                                                 | 26100             | 45             | 0.29 |
| HL881-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3                                                                              | 16.0                                                                              | 42.0                                                                                | 6090                                                                                | 168                                                                                 | 24360             | 60             | 0.35 |
| HL881-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6                                                                              | 18.3                                                                              | 38.5                                                                                | 5583                                                                                | 154                                                                                 | 22330             | 70             | 0.39 |
| HL881-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1                                                                              | 21.5                                                                              | 34.5                                                                                | 5003                                                                                | 138                                                                                 | 20010             | 90             | 0.58 |
| HL881-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3                                                                              | 24.7                                                                              | 29.0                                                                                | 4205                                                                                | 116                                                                                 | 16820             | 130            | 0.65 |
| HL881-02-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.4                                                                              | 28.6                                                                              | 28.0                                                                                | 4060                                                                                | 112                                                                                 | 16240             | 160            | 0.85 |
| HL881-02-16     | 1"           | 25.4 | 32.5                                                                              | 34.3                                                                              | 36.6                                                                              | 20.0                                                                                | 2900                                                                                | 80                                                                                  | 11600             | 210            | 1.12 |

## MAIN FEATURES 主要性能

超越EN/DIN相应的工作压力·小弯曲·高耐磨·耐候性是普通软管的5倍·温度范围大·脉冲性能通过了100万次测试  
Exceed the working pressure of EN/DIN, small bending radius, high-abrasion resistance, The weather resistance performance is 5 times more than the regular hose, large temperature range, impulse performance more than 1,000,000 cycles

执行标准: EN857 2SC

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐气候黑色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1" 以上规格为布纹面。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求。定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: EN857 2SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+121℃(Air: +70℃, Water: +85℃).





# WELONE® HL882-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL882-04-06     | 3/8"         | 9.5  | 20.3                                                                              | 23.3                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 150                                                                                 | 0.76                                                                                |
| HL882-04-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 200                                                                                 | 0.85                                                                                |
| HL882-04-10     | 5/8"         | 15.9 | 26.0                                                                              | 28.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 230                                                                                 | 1.05                                                                                |
| HL882-04-12     | 3/4"         | 19.0 | 32.9                                                                              | 36.1                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 265                                                                                 | 1.64                                                                                |
| HL882-04-16     | 1"           | 25.4 | 38.9                                                                              | 42.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 330                                                                                 | 2.23                                                                                |
| HL882-06-20     | 1-1/4"       | 31.8 | 48.4                                                                              | 51.5                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 445                                                                                 | 4.16                                                                                |
| HL882-06-24     | 1-1/2"       | 38.1 | 56.3                                                                              | 59.6                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 530                                                                                 | 5.12                                                                                |
| HL882-06-32     | 2"           | 50.8 | 69.4                                                                              | 72.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 630                                                                                 | 6.54                                                                                |

## MAIN FEATURES 主要性能

超越SAE 100R15相应的工作压力·小弯曲·高耐磨·耐候性是普通软管的5倍·温度范围大·脉冲性能通过了130万次测试  
Exceed the working pressure of R15, small bending radius, high-abrasion resistance, The weather resistance performance is 5 times more than the regular hose, large temperature range, impulse performance more than 1,300,000 cycles

执行标准: SAE J517 100R15

结构: 软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Standard: SAE J517 100R15

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40℃~+121℃。(空气: +70℃, 水: +85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +121°C (Air: +70°C, Water: +85°C).

## WELONE® HL882-06





# WELONE® HL981-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |  |  |  |                |     |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力                                                                  | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |     |      |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                |     |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi            | mm  | Kg/m |
| HL981-01-04     | 1/4"         | 6.4  | 10.7                                                                              | 11.7                                                                              | 13.5        | 14.9                                                                              | 32.0                                                                                | 4640                                                                                | 80                                                                                  | 11600          | 100 | 0.27 |
| HL981-01-05     | 5/16"        | 7.9  | 13.0                                                                              | 14.2                                                                              | 15.8        | 17.2                                                                              | 28.0                                                                                | 4060                                                                                | 70                                                                                  | 10150          | 115 | 0.34 |
| HL981-01-06     | 3/8"         | 9.5  | 14.8                                                                              | 16.0                                                                              | 18.1        | 19.5                                                                              | 26.0                                                                                | 3770                                                                                | 65                                                                                  | 9425           | 125 | 0.42 |
| HL981-01-08     | 1/2"         | 12.7 | 18.6                                                                              | 19.8                                                                              | 21.6        | 23.0                                                                              | 22.0                                                                                | 3190                                                                                | 55                                                                                  | 7975           | 180 | 0.53 |
| HL981-01-10     | 5/8"         | 15.9 | 21.6                                                                              | 22.8                                                                              | 24.7        | 26.1                                                                              | 17.0                                                                                | 2465                                                                                | 43                                                                                  | 6163           | 205 | 0.61 |
| HL981-01-12     | 3/4"         | 19.0 | 24.6                                                                              | 25.8                                                                              | 27.8        | 29.2                                                                              | 14.4                                                                                | 2088                                                                                | 36                                                                                  | 5220           | 240 | 0.72 |
| HL981-01-14     | 7/8"         | 22.2 | 27.4                                                                              | 28.6                                                                              | 30.8        | 32.2                                                                              | 13.0                                                                                | 1885                                                                                | 33                                                                                  | 4713           | 280 | 0.80 |
| HL981-01-16     | 1"           | 25.4 | 30.6                                                                              | 31.8                                                                              | 33.7        | 35.1                                                                              | 11.0                                                                                | 1595                                                                                | 28                                                                                  | 3988           | 300 | 0.88 |
| HL981-01-20     | 1-1/4"       | 31.8 | 38.1                                                                              | 39.3                                                                              | 40.7        | 42.7                                                                              | 9.0                                                                                 | 1305                                                                                | 23                                                                                  | 3263           | 420 | 1.11 |
| HL981-01-24     | 1-1/2"       | 38.1 | 45.3                                                                              | 46.5                                                                              | 47.9        | 49.9                                                                              | 5.6                                                                                 | 812                                                                                 | 14                                                                                  | 2030           | 500 | 1.43 |
| HL981-01-28     | 1-3/4"       | 44.5 | 52.0                                                                              | 53.2                                                                              | 54.8        | 56.8                                                                              | 5.0                                                                                 | 725                                                                                 | 13                                                                                  | 1813           | 580 | 1.62 |
| HL981-01-32     | 2"           | 50.8 | 58.0                                                                              | 59.2                                                                              | 61.2        | 63.2                                                                              | 5.0                                                                                 | 725                                                                                 | 13                                                                                  | 1813           | 630 | 1.85 |

## MAIN FEATURES 主要性能

602相应的工作压力·耐温度范围大·抗臭氧性和抗紫外线性强·在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with 602, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越 602—层钢丝编织橡胶软管

结 构：软管由耐油合成橡胶内胶层，1层钢丝编织增强层，耐热、耐天候的蓝色合成橡胶外胶层组成。

1" (含1")以下规格胶管外观为布纹面和光面，1" 以上规格为布纹面。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet / Exceed the standard 602: One steel wire braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and high temperature & weather resistant synthetic blue rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL981-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 |      | bar                |      | ★                 |       | ↷                 |  | kg             |
|-----------------|--------------|------|----------------|------|-------------|------|--------------------|------|-------------------|-------|-------------------|--|----------------|
|                 |              |      | Min            |      | Max         |      | MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 |  | WEIGHT<br>参考重量 |
|                 | inch         | mm   | mm             | mm   | mm          | mm   | Mpa                | psi  | Mpa               | psi   | mm                |  | Kg/m           |
| HL981-02-04     | 1/4"         | 6.4  | 12.2           | 13.2 | 15.3        | 16.7 | 60.0               | 8700 | 150               | 21750 | 100               |  | 0.43           |
| HL981-02-05     | 5/16"        | 7.9  | 14.5           | 15.7 | 17.3        | 18.6 | 48.0               | 6960 | 120               | 17400 | 115               |  | 0.49           |
| HL981-02-06     | 3/8"         | 9.5  | 16.6           | 17.8 | 19.4        | 20.8 | 40.0               | 5800 | 100               | 14500 | 125               |  | 0.59           |
| HL981-02-08     | 1/2"         | 12.7 | 20.3           | 21.7 | 23.1        | 24.5 | 36.0               | 5220 | 90                | 13050 | 180               |  | 0.76           |
| HL981-02-10     | 5/8"         | 15.9 | 23.4           | 24.6 | 26.1        | 27.5 | 32.0               | 4640 | 80                | 11600 | 205               |  | 0.84           |
| HL981-02-12     | 3/4"         | 19.0 | 26.4           | 27.6 | 29.4        | 30.8 | 25.0               | 3625 | 63                | 9063  | 240               |  | 1.00           |
| HL981-02-14     | 7/8"         | 22.2 | 29.2           | 30.4 | 32.3        | 33.7 | 22.0               | 3190 | 55                | 7975  | 280               |  | 1.10           |
| HL981-02-16     | 1"           | 25.4 | 32.4           | 33.6 | 35.3        | 36.7 | 21.0               | 3045 | 53                | 7613  | 300               |  | 1.23           |
| HL981-02-20     | 1-1/4"       | 31.8 | 40.0           | 41.2 | 42.5        | 44.5 | 17.0               | 2465 | 43                | 6163  | 420               |  | 1.54           |
| HL981-02-24     | 1-1/2"       | 38.1 | 47.2           | 48.4 | 49.6        | 51.6 | 14.0               | 2030 | 35                | 5075  | 500               |  | 1.94           |
| HL981-02-28     | 1-3/4"       | 44.5 | 53.9           | 55.1 | 56.6        | 58.6 | 9.0                | 1305 | 23                | 3263  | 580               |  | 2.20           |
| HL981-02-32     | 2"           | 50.8 | 59.9           | 61.0 | 63.0        | 65.0 | 8.0                | 1160 | 20                | 2900  | 630               |  | 2.48           |

## MAIN FEATURES 主要性能

602相应的工作压力·耐温度范围大·抗臭氧性和抗紫外线性强·在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with 602, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越 602 二层钢丝编织橡胶软管

结 构：软管由耐油合成橡胶内胶层，2层钢丝编织增强层，耐热、耐天候的蓝色合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面，1" 以上规格为布纹面。

通过认证：MSHA IC-330/1、ISO9001、IATF16949 认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet / Exceed the standard 602: Two steel wires braided rubber hydraulic hose

Construction: The hose consists of oil & temperature resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and high temperature & weather resistant synthetic blue rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.



用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃。  
水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃  
Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.



# WELONE® HL982-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 |      | bar                |      | ★                 |       | ↩                 |      |
|-----------------|--------------|------|----------------|------|-------------|------|--------------------|------|-------------------|-------|-------------------|------|
|                 |              |      | Min            |      | Max         |      | MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 |      |
|                 |              |      | mm             | mm   | mm          | mm   | Mpa                | psi  | Mpa               | psi   | mm                | kg   |
|                 | inch         | mm   | mm             | mm   | mm          | mm   | Mpa                | psi  | Mpa               | psi   | mm                | Kg/m |
| HL982-01-04     | 1/4"         | 6.4  | 14.0           | 14.5 | 15.0        | 17.2 | 60.0               | 8700 | 150               | 21750 | 100               | 0.56 |
| HL982-01-05     | 5/16"        | 7.9  | 16.1           | 16.7 | 17.3        | 19.6 | 50.0               | 7250 | 125               | 18125 | 115               | 0.72 |
| HL982-01-06     | 3/8"         | 9.5  | 18.4           | 19.0 | 19.6        | 21.8 | 45.0               | 6525 | 113               | 16313 | 125               | 0.82 |
| HL982-01-08     | 1/2"         | 12.7 | 22.2           | 22.8 | 23.4        | 25.6 | 40.0               | 5800 | 100               | 14500 | 180               | 1.04 |
| HL982-01-10     | 5/8"         | 15.9 | 25.2           | 25.8 | 26.4        | 29.0 | 35.0               | 5075 | 88                | 12688 | 205               | 1.20 |
| HL982-01-12     | 3/4"         | 19.0 | 28.2           | 28.8 | 29.4        | 32.4 | 28.0               | 4060 | 70                | 10150 | 240               | 1.38 |
| HL982-01-14     | 7/8"         | 22.2 | 31.0           | 31.6 | 32.2        | 34.8 | 25.0               | 3625 | 63                | 9063  | 280               | 1.51 |
| HL982-01-16     | 1"           | 25.4 | 34.2           | 34.8 | 35.4        | 38.0 | 24.0               | 3480 | 60                | 8700  | 300               | 1.66 |
| HL982-01-20     | 1-1/4"       | 31.8 | 41.8           | 42.4 | 43.0        | 45.2 | 19.0               | 2755 | 48                | 6888  | 420               | 2.01 |
| HL982-01-24     | 1-1/2"       | 38.1 | 49.1           | 49.7 | 50.3        | 52.4 | 15.0               | 2175 | 38                | 5438  | 500               | 2.49 |
| HL982-01-28     | 1-3/4"       | 44.5 | 55.8           | 56.4 | 57.0        | 59.4 | 14.0               | 2030 | 35                | 5075  | 580               | 2.81 |
| HL982-01-32     | 2"           | 50.8 | 61.8           | 62.4 | 63.0        | 65.8 | 12.0               | 1740 | 30                | 4350  | 630               | 3.20 |

## MAIN FEATURES 主要性能

602相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with 602, excellent abrasion-resistance performance with 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准：符合/超越 602一层钢丝编织橡胶软管

结构：软管由耐油合成橡胶内胶层，1层钢丝编织增强层，耐磨、耐天候的黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet / Exceed the standard 602: One steel wire braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL982-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |                    |  |  |  |                   |      |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P.<br>最小爆破压力                                                                  |                                                                                     | MIN B.R<br>最小弯曲半径 |      | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                    |                                                                                     |                                                                                     |                                                                                     |                   |      |                |
|                 | inch         | mm   |                                                                                   | mm                                                                                |             | mm                                                                                | Mpa                | psi                                                                                 | Mpa                                                                                 | psi                                                                                 | mm                | Kg/m |                |
| HL982-02-04     | 1/4"         | 6.4  | 12.2                                                                              | 13.2                                                                              | 15.3        | 16.7                                                                              | 60.0               | 8700                                                                                | 150                                                                                 | 21750                                                                               | 100               | 0.43 |                |
| HL982-02-05     | 5/16"        | 7.9  | 14.5                                                                              | 15.7                                                                              | 17.3        | 18.6                                                                              | 48.0               | 6960                                                                                | 120                                                                                 | 17400                                                                               | 115               | 0.49 |                |
| HL982-02-06     | 3/8"         | 9.5  | 16.6                                                                              | 17.8                                                                              | 19.4        | 20.8                                                                              | 40.0               | 5800                                                                                | 100                                                                                 | 14500                                                                               | 125               | 0.59 |                |
| HL982-02-08     | 1/2"         | 12.7 | 20.3                                                                              | 21.7                                                                              | 23.1        | 24.5                                                                              | 36.0               | 5220                                                                                | 90                                                                                  | 13050                                                                               | 180               | 0.76 |                |
| HL982-02-10     | 5/8"         | 15.9 | 23.4                                                                              | 24.6                                                                              | 26.1        | 27.5                                                                              | 32.0               | 4640                                                                                | 80                                                                                  | 11600                                                                               | 205               | 0.84 |                |
| HL982-02-12     | 3/4"         | 19.0 | 26.4                                                                              | 27.6                                                                              | 29.4        | 30.8                                                                              | 25.0               | 3625                                                                                | 63                                                                                  | 9063                                                                                | 240               | 1.00 |                |
| HL982-02-14     | 7/8"         | 22.2 | 29.2                                                                              | 30.4                                                                              | 32.3        | 33.7                                                                              | 22.0               | 3190                                                                                | 55                                                                                  | 7975                                                                                | 280               | 1.10 |                |
| HL982-02-16     | 1"           | 25.4 | 32.4                                                                              | 33.6                                                                              | 35.3        | 36.7                                                                              | 21.0               | 3045                                                                                | 53                                                                                  | 7613                                                                                | 300               | 1.23 |                |
| HL982-02-20     | 1-1/4"       | 31.8 | 40.0                                                                              | 41.2                                                                              | 42.5        | 44.5                                                                              | 17.0               | 2465                                                                                | 43                                                                                  | 6163                                                                                | 420               | 1.54 |                |
| HL982-02-24     | 1-1/2"       | 38.1 | 47.2                                                                              | 48.4                                                                              | 49.6        | 51.6                                                                              | 14.0               | 2030                                                                                | 35                                                                                  | 5075                                                                                | 500               | 1.94 |                |
| HL982-02-28     | 1-3/4"       | 44.5 | 53.9                                                                              | 55.1                                                                              | 56.6        | 58.6                                                                              | 9.0                | 1305                                                                                | 23                                                                                  | 3263                                                                                | 580               | 2.20 |                |
| HL982-02-32     | 2"           | 50.8 | 59.9                                                                              | 61.0                                                                              | 63.0        | 65.0                                                                              | 8.0                | 1160                                                                                | 20                                                                                  | 2900                                                                                | 630               | 2.48 |                |

## MAIN FEATURES 主要性能

602相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with 602,excellent abrasion-resistance performance with 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准：符合/超越 602二层钢丝编织橡胶软管

结构：软管由耐油合成橡胶内胶层，2层钢丝编织增强层，耐磨、耐天候的黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet / Exceed the standard 602: Two steel wires braided rubber hydraulic hose

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air:+70℃, Water:+85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL983-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 | bar<br>MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 | kg<br>WEIGHT<br>参考重量 |
|-----------------|--------------|------|----------------|------|-------------|---------------------------|------|-------------------|-------|-------------------|----------------------|
|                 |              |      |                |      |             |                           |      |                   |       |                   |                      |
|                 |              |      | Min            | Max  | Max         |                           |      |                   |       |                   |                      |
|                 | inch         | mm   | mm             | mm   | mm          | Mpa                       | psi  | Mpa               | psi   | mm                | Kg/m                 |
| HL983-01-03     | 3/16"        | 4.8  | 9.0            | 10.0 | 12.5        | 25.0                      | 3625 | 100               | 14500 | 90                | 0.20                 |
| HL983-01-04     | 1/4"         | 6.4  | 10.6           | 11.6 | 14.1        | 22.5                      | 3263 | 90                | 13050 | 100               | 0.24                 |
| HL983-01-05     | 5/16"        | 7.9  | 12.1           | 13.3 | 15.7        | 21.5                      | 3118 | 86                | 12470 | 115               | 0.27                 |
| HL983-01-06     | 3/8"         | 9.5  | 14.5           | 15.7 | 18.1        | 18.0                      | 2610 | 72                | 10440 | 125               | 0.35                 |
| HL983-01-08     | 1/2"         | 12.7 | 17.5           | 19.1 | 21.5        | 16.0                      | 2320 | 64                | 9280  | 180               | 0.45                 |
| HL983-01-10     | 5/8"         | 15.9 | 20.6           | 22.2 | 24.7        | 13.0                      | 1885 | 52                | 7540  | 205               | 0.52                 |
| HL983-01-12     | 3/4"         | 19.0 | 24.6           | 26.2 | 28.6        | 10.5                      | 1523 | 42                | 6090  | 240               | 0.67                 |
| HL983-01-16     | 1"           | 25.4 | 32.5           | 34.1 | 36.6        | 8.7                       | 1262 | 35                | 5046  | 300               | 0.98                 |
| HL983-01-20     | 1-1/4"       | 31.8 | 39.3           | 41.7 | 44.8        | 6.2                       | 899  | 25                | 3596  | 420               | 1.22                 |
| HL983-01-24     | 1-1/2"       | 38.1 | 45.6           | 48.0 | 52.1        | 5.0                       | 725  | 20                | 2900  | 500               | 1.54                 |
| HL983-01-32     | 2"           | 50.8 | 58.7           | 61.7 | 65.9        | 4.0                       | 580  | 16                | 2320  | 630               | 2.12                 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力 · 耐温度范围大 · 抗臭氧性和抗紫外线性强 · 在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with EN/DIN, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越 EN853 1SN、SAE100R1AT

结 构：软管由耐油合成橡胶内胶层，1层钢丝编织增强层，耐热、耐天候的蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the standard: EN853 1SN, SAE100R1AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and high temperature & weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL983-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                   |                |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------------|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                   |                |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi               | mm             | Kg/m |
| HL983-02-03     | 3/16"        | 4.8  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 41.5                                                                                | 6018                                                                                | 166                                                                                 | 24070             | 90             | 0.34 |
| HL983-02-04     | 1/4"         | 6.4  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 40.0                                                                                | 5800                                                                                | 160                                                                                 | 23200             | 100            | 0.37 |
| HL983-02-05     | 5/16"        | 7.9  | 13.7                                                                              | 14.9                                                                              | 17.3                                                                              | 35.0                                                                                | 5075                                                                                | 140                                                                                 | 20300             | 115            | 0.42 |
| HL983-02-06     | 3/8"         | 9.5  | 16.1                                                                              | 17.3                                                                              | 19.7                                                                              | 33.0                                                                                | 4785                                                                                | 132                                                                                 | 19140             | 125            | 0.56 |
| HL983-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6                                                                              | 23.0                                                                              | 27.5                                                                                | 3988                                                                                | 110                                                                                 | 15950             | 180            | 0.64 |
| HL983-02-10     | 5/8"         | 15.9 | 22.2                                                                              | 23.8                                                                              | 26.2                                                                              | 25.0                                                                                | 3625                                                                                | 100                                                                                 | 14500             | 205            | 0.77 |
| HL983-02-12     | 3/4"         | 19.0 | 26.2                                                                              | 27.8                                                                              | 30.1                                                                              | 21.5                                                                                | 3118                                                                                | 86                                                                                  | 12470             | 240            | 0.94 |
| HL983-02-16     | 1"           | 25.4 | 34.1                                                                              | 35.7                                                                              | 38.9                                                                              | 16.5                                                                                | 2393                                                                                | 66                                                                                  | 9570              | 300            | 1.43 |
| HL983-02-20     | 1-1/4"       | 31.8 | 43.3                                                                              | 45.7                                                                              | 49.5                                                                              | 12.5                                                                                | 1813                                                                                | 50                                                                                  | 7250              | 420            | 1.93 |
| HL983-02-24     | 1-1/2"       | 38.1 | 49.6                                                                              | 52.0                                                                              | 55.9                                                                              | 9.0                                                                                 | 1305                                                                                | 36                                                                                  | 5220              | 500            | 2.32 |
| HL983-02-32     | 2"           | 50.8 | 62.3                                                                              | 64.7                                                                              | 68.6                                                                              | 8.0                                                                                 | 1160                                                                                | 32                                                                                  | 4640              | 630            | 2.99 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·耐温度范围大·抗臭氧性和抗紫外线性强·在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with EN/DIN, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准: 符合/超越 EN853 2SN、SAE100R2AT

结构: 软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐热、耐候的蓝色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the standard: EN853 2SN, SAE100R2AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and high temperature & weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -55°C ~ +135°C. (空气: +100°C.  
水: +85°C)

最高温度: (间歇工作)+150°C

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55°C ~ +135°C (Air: +100°C  
Water: +85°C).

Max Temperature: (Intermittent) +150°C

注: 客户如需极限类型的其它标准液压胶管, 可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL984-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL984-01-03     | 3/16"        | 4.8  | 9.0                                                                               | 10.0 | 12.5                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 90                                                                                  | 0.20                                                                                |
| HL984-01-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.6 | 14.1                                                                              | 22.5                                                                              | 3263 | 90                                                                                  | 13050 | 100                                                                                 | 0.24                                                                                |
| HL984-01-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 15.7                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 115                                                                                 | 0.27                                                                                |
| HL984-01-06     | 3/8"         | 9.5  | 14.5                                                                              | 15.7 | 18.1                                                                              | 18.0                                                                              | 2610 | 72                                                                                  | 10440 | 125                                                                                 | 0.35                                                                                |
| HL984-01-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 16.0                                                                              | 2320 | 64                                                                                  | 9280  | 180                                                                                 | 0.45                                                                                |
| HL984-01-10     | 5/8"         | 15.9 | 20.6                                                                              | 22.2 | 24.7                                                                              | 13.0                                                                              | 1885 | 52                                                                                  | 7540  | 205                                                                                 | 0.52                                                                                |
| HL984-01-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.2 | 28.6                                                                              | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 240                                                                                 | 0.67                                                                                |
| HL984-01-16     | 1"           | 25.4 | 32.5                                                                              | 34.1 | 36.6                                                                              | 8.7                                                                               | 1262 | 35                                                                                  | 5046  | 300                                                                                 | 0.98                                                                                |
| HL984-01-20     | 1-1/4"       | 31.8 | 39.3                                                                              | 41.7 | 44.8                                                                              | 6.2                                                                               | 899  | 25                                                                                  | 3596  | 420                                                                                 | 1.22                                                                                |
| HL984-01-24     | 1-1/2"       | 38.1 | 45.6                                                                              | 48.0 | 52.1                                                                              | 5.0                                                                               | 725  | 20                                                                                  | 2900  | 500                                                                                 | 1.54                                                                                |
| HL984-01-32     | 2"           | 50.8 | 58.7                                                                              | 61.7 | 65.9                                                                              | 4.0                                                                               | 580  | 16                                                                                  | 2320  | 630                                                                                 | 2.12                                                                                |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·卓越耐磨性, 磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with EN/DIN, excellent abrasion-resistance, 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准: 符合/超越 EN853 1SN、SAE100R1AT

结构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐磨、耐天候的黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the standard: EN853 1SN、SAE100R1AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).

注: 如需定制外覆UPE超级耐磨系列, 可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL984-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |  |  |  |                   |                |      |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------------|------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                  |                                                                                     | MIN B.P<br>最小爆破压力                                                                   | MIN B.R<br>最小弯曲半径 | WEIGHT<br>参考重量 |      |
|                 |              |      | Min                                                                               | Max                                                                               | Max                                                                               |                                                                                     |                                                                                     |                                                                                     |                   |                |      |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm                                                                                | Mpa                                                                                 | psi                                                                                 | Mpa                                                                                 | psi               | mm             | Kg/m |
| HL984-02-03     | 3/16"        | 4.8  | 10.6                                                                              | 11.6                                                                              | 14.1                                                                              | 41.5                                                                                | 6018                                                                                | 166                                                                                 | 24070             | 90             | 0.34 |
| HL984-02-04     | 1/4"         | 6.4  | 12.1                                                                              | 13.3                                                                              | 15.7                                                                              | 40.0                                                                                | 5800                                                                                | 160                                                                                 | 23200             | 100            | 0.37 |
| HL984-02-05     | 5/16"        | 7.9  | 13.7                                                                              | 14.9                                                                              | 17.3                                                                              | 35.0                                                                                | 5075                                                                                | 140                                                                                 | 20300             | 115            | 0.42 |
| HL984-02-06     | 3/8"         | 9.5  | 16.1                                                                              | 17.3                                                                              | 19.7                                                                              | 33.0                                                                                | 4785                                                                                | 132                                                                                 | 19140             | 125            | 0.56 |
| HL984-02-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6                                                                              | 23.0                                                                              | 27.5                                                                                | 3988                                                                                | 110                                                                                 | 15950             | 180            | 0.64 |
| HL984-02-10     | 5/8"         | 15.9 | 22.2                                                                              | 23.8                                                                              | 26.2                                                                              | 25.0                                                                                | 3625                                                                                | 100                                                                                 | 14500             | 205            | 0.77 |
| HL984-02-12     | 3/4"         | 19.0 | 26.2                                                                              | 27.8                                                                              | 30.1                                                                              | 21.5                                                                                | 3118                                                                                | 86                                                                                  | 12470             | 240            | 0.94 |
| HL984-02-16     | 1"           | 25.4 | 34.1                                                                              | 35.7                                                                              | 38.9                                                                              | 16.5                                                                                | 2393                                                                                | 66                                                                                  | 9570              | 300            | 1.43 |
| HL984-02-20     | 1-1/4"       | 31.8 | 43.3                                                                              | 45.7                                                                              | 49.5                                                                              | 12.5                                                                                | 1813                                                                                | 50                                                                                  | 7250              | 420            | 1.93 |
| HL984-02-24     | 1-1/2"       | 38.1 | 49.6                                                                              | 52.0                                                                              | 55.9                                                                              | 9.0                                                                                 | 1305                                                                                | 36                                                                                  | 5220              | 500            | 2.32 |
| HL984-02-32     | 2"           | 50.8 | 62.3                                                                              | 64.7                                                                              | 68.6                                                                              | 8.0                                                                                 | 1160                                                                                | 32                                                                                  | 4640              | 630            | 2.99 |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with EN/DIN, excellent abrasion-resistance, 5 times more than the regular rubber  
hydraulic hoses, various performance tests passed

执行标准：符合/超越 EN853 2SN、SAE100 R2AT

结构：软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐磨、耐天候的黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the standard: EN853 2SN, SAE100R2AT

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic bl rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL985-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |       |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |       | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |      |                                                                                     |       |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m |                                                                                     |
| HL985-01-04     | 3/16"        | 4.8  | 12.7                                                                              | 13.7 | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 75                                                                                  | 0.23 |                                                                                     |
| HL985-01-05     | 1/4"         | 6.4  | 14.3                                                                              | 15.3 | 21.0                                                                              | 3045 | 84                                                                                  | 12180 | 85                                                                                  | 0.28 |                                                                                     |
| HL985-01-06     | 5/16"        | 7.9  | 16.7                                                                              | 17.6 | 15.7                                                                              | 2277 | 63                                                                                  | 9106  | 100                                                                                 | 0.36 |                                                                                     |
| HL985-01-08     | 13/32"       | 10.4 | 18.9                                                                              | 20.0 | 14.0                                                                              | 2030 | 56                                                                                  | 8120  | 115                                                                                 | 0.44 |                                                                                     |
| HL985-01-10     | 1/2"         | 12.7 | 22.8                                                                              | 24.0 | 12.2                                                                              | 1769 | 49                                                                                  | 7076  | 140                                                                                 | 0.60 |                                                                                     |
| HL985-01-12     | 5/8"         | 15.9 | 26.8                                                                              | 28.0 | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 165                                                                                 | 0.77 |                                                                                     |
| HL985-01-16     | 7/8"         | 22.2 | 30.6                                                                              | 32.2 | 5.6                                                                               | 812  | 22                                                                                  | 3248  | 185                                                                                 | 0.71 |                                                                                     |
| HL985-01-20     | 1-1/8"       | 28.6 | 37.3                                                                              | 38.9 | 4.3                                                                               | 624  | 17                                                                                  | 2494  | 230                                                                                 | 0.70 |                                                                                     |
| HL985-01-24     | 1-3/8"       | 35.0 | 43.7                                                                              | 45.2 | 3.5                                                                               | 508  | 14                                                                                  | 2030  | 265                                                                                 | 0.85 |                                                                                     |
| HL985-01-32     | 1-13/16"     | 46.0 | 55.2                                                                              | 57.6 | 2.4                                                                               | 348  | 10                                                                                  | 1392  | 335                                                                                 | 1.20 |                                                                                     |

## MAIN FEATURES 主要性能

耐温度范围大 • 抗臭氧性和抗紫外线性强 • 在恶劣气候下胶管性能使用卓越

Large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越SAE J517 100R5

结 构：软管由耐油、耐热合成橡胶内胶层、1层钢丝编织增强层、外覆耐热蓝色纤维层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: SAE J517 100R5

Construction: The hose consists of oil & temperature resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided reinforcement, and one layer of blue textile braid with high temperature resistance cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体。

温度范围：-55℃~+135℃。（空气：+100℃。  
水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids .

Temperature range: -55℃ ~ +135℃(Air:+100℃  
Water:+85℃).

Max Temperature: (Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL986-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL986-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8 | 13.5                                                                              | 22.5                                                                              | 3263 | 90                                                                                  | 13050 | 75                                                                                  | 0.20                                                                                |
| HL986-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1 | 14.5                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 85                                                                                  | 0.22                                                                                |
| HL986-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5 | 16.9                                                                              | 18.0                                                                              | 2610 | 72                                                                                  | 10440 | 90                                                                                  | 0.27                                                                                |
| HL986-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1 | 20.4                                                                              | 16.0                                                                              | 2320 | 64                                                                                  | 9280  | 130                                                                                 | 0.33                                                                                |
| HL986-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0 | 23.0                                                                              | 13.0                                                                              | 1885 | 52                                                                                  | 7540  | 150                                                                                 | 0.44                                                                                |
| HL986-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4 | 26.7                                                                              | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 180                                                                                 | 0.52                                                                                |
| HL986-01-16     | 1"           | 25.4 | 30.7                                                                              | 31.9 | 34.9                                                                              | 8.8                                                                               | 1276 | 35                                                                                  | 5104  | 230                                                                                 | 0.82                                                                                |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力 • 耐温度范围大 • 抗臭氧性和抗紫外线性强 • 在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with EN/DIN, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越EN857 1SC

结构：软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐天候蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN 857 1SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL986-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL986-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7 | 14.2                                                                              | 40.0                                                                              | 5800 | 160                                                                                 | 23200 | 75                                                                                  | 0.29                                                                                |
| HL986-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 16.0                                                                              | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 85                                                                                  | 0.35                                                                                |
| HL986-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6 | 18.3                                                                              | 33.0                                                                              | 4785 | 132                                                                                 | 19140 | 90                                                                                  | 0.39                                                                                |
| HL986-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 27.5                                                                              | 3988 | 110                                                                                 | 15950 | 130                                                                                 | 0.58                                                                                |
| HL986-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3 | 24.7                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 170                                                                                 | 0.65                                                                                |
| HL986-02-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.4 | 28.6                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 200                                                                                 | 0.85                                                                                |
| HL986-02-16     | 1"           | 25.4 | 32.5                                                                              | 34.3 | 36.6                                                                              | 16.5                                                                              | 2393 | 66                                                                                  | 9570  | 250                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·耐温度范围大·抗臭氧性和抗紫外线性强·在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with EN/DIN, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越EN857 2SC

结构：软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐天候蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN 857 2SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL987-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL987-01-04     | 1/4"         | 6.4  | 9.6                                                                               | 10.8 | 13.5                                                                              | 22.5                                                                              | 3263 | 90                                                                                  | 13050 | 75                                                                                  | 0.20                                                                                |
| HL987-01-05     | 5/16"        | 7.9  | 10.9                                                                              | 12.1 | 14.5                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 85                                                                                  | 0.22                                                                                |
| HL987-01-06     | 3/8"         | 9.5  | 12.7                                                                              | 14.5 | 16.9                                                                              | 18.0                                                                              | 2610 | 72                                                                                  | 10440 | 90                                                                                  | 0.27                                                                                |
| HL987-01-08     | 1/2"         | 12.7 | 15.9                                                                              | 18.1 | 20.4                                                                              | 16.0                                                                              | 2320 | 64                                                                                  | 9280  | 130                                                                                 | 0.33                                                                                |
| HL987-01-10     | 5/8"         | 15.9 | 19.8                                                                              | 21.0 | 23.0                                                                              | 13.0                                                                              | 1885 | 52                                                                                  | 7540  | 150                                                                                 | 0.44                                                                                |
| HL987-01-12     | 3/4"         | 19.0 | 23.2                                                                              | 24.4 | 26.7                                                                              | 10.5                                                                              | 1523 | 42                                                                                  | 6090  | 180                                                                                 | 0.52                                                                                |
| HL987-01-16     | 1"           | 25.4 | 30.7                                                                              | 31.9 | 34.9                                                                              | 8.8                                                                               | 1276 | 35                                                                                  | 5104  | 230                                                                                 | 0.82                                                                                |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·卓越耐磨性, 磨耗测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with EN/DIN, excellent abrasion-resistance, 5 times more than the regular rubber  
hydraulic hoses, various performance tests passed

执行标准: 符合/超越EN857 1SC

结 构: 软管由耐油合成橡胶内胶层、1层钢丝编织增强层、耐磨、耐天候黑色合成橡胶外胶层组成。

通过认证: MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN857 1SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途: 适用于石油基或水基液压流体, 用于压缩空气时, 软管需针刺。

温度范围: -40°C ~ +100°C. (空气: +70°C, 水: +85°C)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40°C ~ +100°C (Air: +70°C, Water: +85°C).

注: 如需定制外覆UPE超级耐磨系列, 可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL987-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |      | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL987-02-04     | 1/4"         | 6.4  | 10.6                                                                              | 11.7 | 14.2                                                                              | 40.0                                                                              | 5800 | 160                                                                                 | 23200 | 75                                                                                  | 0.29                                                                                |
| HL987-02-05     | 5/16"        | 7.9  | 12.1                                                                              | 13.3 | 16.0                                                                              | 35.0                                                                              | 5075 | 140                                                                                 | 20300 | 85                                                                                  | 0.35                                                                                |
| HL987-02-06     | 3/8"         | 9.5  | 14.4                                                                              | 15.6 | 18.3                                                                              | 33.0                                                                              | 4785 | 132                                                                                 | 19140 | 90                                                                                  | 0.39                                                                                |
| HL987-02-08     | 1/2"         | 12.7 | 17.5                                                                              | 19.1 | 21.5                                                                              | 27.5                                                                              | 3988 | 110                                                                                 | 15950 | 130                                                                                 | 0.58                                                                                |
| HL987-02-10     | 5/8"         | 15.9 | 20.5                                                                              | 22.3 | 24.7                                                                              | 25.0                                                                              | 3625 | 100                                                                                 | 14500 | 170                                                                                 | 0.65                                                                                |
| HL987-02-12     | 3/4"         | 19.0 | 24.6                                                                              | 26.4 | 28.6                                                                              | 21.5                                                                              | 3118 | 86                                                                                  | 12470 | 200                                                                                 | 0.85                                                                                |
| HL987-02-16     | 1"           | 25.4 | 32.5                                                                              | 34.3 | 36.6                                                                              | 16.5                                                                              | 2393 | 66                                                                                  | 9570  | 250                                                                                 | 1.12                                                                                |

## MAIN FEATURES 主要性能

EN/DIN相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with EN/DIN, excellent abrasion-resistance, 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准：符合/超越EN857 2SC

结 构：软管由耐油合成橡胶内胶层、2层钢丝编织增强层、耐磨、耐天候黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN857 2SC

Construction: The hose consists of oil resistant synthetic rubber for inner tube, two layers of high tensile steel wire braided for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。(空气：+70℃，水：+85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL988-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 |      | bar<br>MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 | kg<br>WEIGHT<br>参考重量 |
|-----------------|--------------|------|----------------|------|-------------|------|---------------------------|------|-------------------|-------|-------------------|----------------------|
|                 |              |      | Min            |      | Max         |      |                           |      |                   |       |                   |                      |
|                 | inch         | mm   | mm             | mm   | mm          | mm   | Mpa                       | psi  | Mpa               | psi   | mm                | Kg/m                 |
| HL988-04-04     | 1/4"         | 6.4  | 14.1           | 15.3 | 17.1        | 18.7 | 45.0                      | 6525 | 203               | 29363 | 150               | 0.59                 |
| HL988-04-05     | 5/16"        | 7.9  | 15.6           | 17.2 | 18.6        | 20.2 | 45.0                      | 6525 | 203               | 29363 | 150               | 0.67                 |
| HL988-04-06     | 3/8"         | 9.5  | 16.9           | 18.1 | 20.6        | 22.2 | 44.5                      | 6453 | 200               | 29036 | 180               | 0.76                 |
| HL988-04-08     | 1/2"         | 12.7 | 19.4           | 21.0 | 23.8        | 25.4 | 41.5                      | 6018 | 187               | 27079 | 230               | 0.87                 |
| HL988-04-10     | 5/8"         | 15.9 | 23.0           | 24.6 | 27.4        | 29.0 | 35.0                      | 5075 | 158               | 22838 | 250               | 1.00                 |
| HL988-04-12     | 3/4"         | 19.0 | 27.4           | 29.0 | 31.4        | 33.0 | 35.0                      | 5075 | 158               | 22838 | 300               | 1.48                 |
| HL988-04-14     | 7/8"         | 22.2 | 31.2           | 32.8 | 34.8        | 36.4 | 35.0                      | 5075 | 158               | 22838 | 300               | 1.88                 |
| HL988-04-16     | 1"           | 25.4 | 34.5           | 36.1 | 38.5        | 40.9 | 28.0                      | 4060 | 126               | 18270 | 340               | 2.04                 |
| HL988-04-20     | 1-1/4"       | 31.8 | 45.0           | 47.0 | 49.2        | 52.4 | 21.0                      | 3045 | 95                | 13703 | 460               | 3.18                 |
| HL988-04-24     | 1-1/2"       | 38.1 | 51.4           | 53.4 | 55.6        | 58.8 | 18.5                      | 2683 | 83                | 12071 | 560               | 3.81                 |
| HL988-04-32     | 2"           | 50.8 | 64.3           | 66.3 | 68.2        | 71.4 | 16.5                      | 2393 | 74                | 10766 | 660               | 5.01                 |

## MAIN FEATURES 主要性能

4SP相应的工作压力 · 耐温度范围大 · 抗臭氧性和抗紫外线性强 · 在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with 4SP, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越EN856 4SP

结 构：软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐气候蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN856 4SP

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature: (Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL989-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      | R.O.D<br>增强层外径 |      | O.D<br>软管外径 |      | bar                |      | MIN B.P<br>最小爆破压力 |       | MIN B.R<br>最小弯曲半径 | kg   |
|-----------------|--------------|------|----------------|------|-------------|------|--------------------|------|-------------------|-------|-------------------|------|
|                 |              |      | Max            |      | Max         |      | MAX W.P.<br>最大工作压力 |      | MIN B.P<br>最小爆破压力 |       | mm                | 参考重量 |
|                 |              |      | Min            | Max  | Min         | Max  | Mpa                | psi  | Mpa               | psi   |                   |      |
| HL989-04-04     | 1/4"         | 6.4  | 14.1           | 15.3 | 17.1        | 18.7 | 45.0               | 6525 | 203               | 29363 | 150               | 0.59 |
| HL989-04-05     | 5/16"        | 7.9  | 15.6           | 17.2 | 18.6        | 20.2 | 45.0               | 6525 | 203               | 29363 | 150               | 0.67 |
| HL989-04-06     | 3/8"         | 9.5  | 16.9           | 18.1 | 20.6        | 22.2 | 44.5               | 6453 | 200               | 29036 | 180               | 0.76 |
| HL989-04-08     | 1/2"         | 12.7 | 19.4           | 21.0 | 23.8        | 25.4 | 41.5               | 6018 | 187               | 27079 | 230               | 0.87 |
| HL989-04-10     | 5/8"         | 15.9 | 23.0           | 24.6 | 27.4        | 29.0 | 35.0               | 5075 | 158               | 22838 | 250               | 1.00 |
| HL989-04-12     | 3/4"         | 19.0 | 27.4           | 29.0 | 31.4        | 33.0 | 35.0               | 5075 | 158               | 22838 | 300               | 1.48 |
| HL989-04-14     | 7/8"         | 22.2 | 31.2           | 32.8 | 34.8        | 36.4 | 35.0               | 5075 | 158               | 22838 | 300               | 1.88 |
| HL989-04-16     | 1"           | 25.4 | 34.5           | 36.1 | 38.5        | 40.9 | 28.0               | 4060 | 126               | 18270 | 340               | 2.04 |
| HL989-04-20     | 1-1/4"       | 31.8 | 45.0           | 47.0 | 49.2        | 52.4 | 21.0               | 3045 | 95                | 13703 | 460               | 3.18 |
| HL989-04-24     | 1-1/2"       | 38.1 | 51.4           | 53.4 | 55.6        | 58.8 | 18.5               | 2683 | 83                | 12071 | 560               | 3.81 |
| HL989-04-32     | 2"           | 50.8 | 64.3           | 66.3 | 68.2        | 71.4 | 16.5               | 2393 | 74                | 10766 | 660               | 5.01 |

## MAIN FEATURES 主要性能

4SP相应的工作压力 · 卓越耐磨性，磨损测试是普通软管的5倍以上 · 通过了多种性能测试

Corresponding to 4SP working pressure, Excellent wear-resistance more than 5 times that of general hose, Multiply performance tests passed.

执行标准：符合/超越EN856 4SP

结 构：软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐磨、耐天候黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN856 4SP

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL990-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |                    |  |                    |  |  |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P.<br>最大工作压力 |                                                                                     | MIN B.P.<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                    |                                                                                     |                    |                                                                                     |                                                                                     |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa                | psi                                                                                 | Mpa                | psi                                                                                 | mm                                                                                  | Kg/m           |
| HL990-04-12     | 3/4"         | 19.0 | 27.6                                                                              | 29.2                                                                              | 31.4        | 33.0                                                                              | 42.0               | 6090                                                                                | 168                | 24360                                                                               | 280                                                                                 | 1.48           |
| HL990-04-14     | 7/8"         | 22.2 | 31.2                                                                              | 32.8                                                                              | 34.8        | 36.4                                                                              | 38.0               | 5510                                                                                | 152                | 22040                                                                               | 340                                                                                 | 1.85           |
| HL990-04-16     | 1"           | 25.4 | 34.4                                                                              | 36.0                                                                              | 37.5        | 39.9                                                                              | 38.0               | 5510                                                                                | 152                | 22040                                                                               | 340                                                                                 | 2.03           |
| HL990-04-20     | 1-1/4"       | 31.8 | 40.9                                                                              | 42.9                                                                              | 43.9        | 47.1                                                                              | 32.5               | 4713                                                                                | 130                | 18850                                                                               | 460                                                                                 | 2.45           |
| HL990-04-24     | 1-1/2"       | 38.1 | 47.8                                                                              | 49.8                                                                              | 51.9        | 55.1                                                                              | 29.0               | 4205                                                                                | 116                | 16820                                                                               | 560                                                                                 | 2.97           |
| HL990-04-32     | 2"           | 50.8 | 62.2                                                                              | 64.2                                                                              | 66.5        | 69.7                                                                              | 25.0               | 3625                                                                                | 100                | 14500                                                                               | 700                                                                                 | 4.50           |

## MAIN FEATURES 主要性能

4SH相应的工作压力 · 耐温度范围大 · 抗臭氧性和抗紫外线性强 · 在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with 4SH, large temperature range, strong ozone resistance and UV resistance, excellent performance of the hose in severe weather

执行标准：符合/超越EN856 4SH

结 构：软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐气候蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN856 4SH

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用 途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：(间歇工作)+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃~+135℃(Air:+100℃ Water:+85℃).

Max Temperature:(Intermittent)+150℃

注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL991-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |             |  |                   |  |                   |  |  |                |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    |                                                                                   | O.D<br>软管外径 |                                                                                   | MAX W.P<br>最大工作压力 |                                                                                     | MIN B.P<br>最小爆破压力 |                                                                                     | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量 |
|                 |              |      | Min                                                                               | Max                                                                               | Min         | Max                                                                               |                   |                                                                                     |                   |                                                                                     |                                                                                     |                |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | mm          | mm                                                                                | Mpa               | psi                                                                                 | Mpa               | psi                                                                                 | mm                                                                                  | Kg/m           |
| HL991-04-12     | 3/4"         | 19.0 | 27.6                                                                              | 29.2                                                                              | 31.4        | 33.0                                                                              | 42.0              | 6090                                                                                | 168               | 24360                                                                               | 280                                                                                 | 1.48           |
| HL991-04-14     | 7/8"         | 22.2 | 31.2                                                                              | 32.8                                                                              | 34.8        | 36.4                                                                              | 38.0              | 5510                                                                                | 152               | 22040                                                                               | 340                                                                                 | 1.85           |
| HL991-04-16     | 1"           | 25.4 | 34.4                                                                              | 36.0                                                                              | 37.5        | 39.9                                                                              | 38.0              | 5510                                                                                | 152               | 22040                                                                               | 340                                                                                 | 2.03           |
| HL991-04-20     | 1-1/4"       | 31.8 | 40.9                                                                              | 42.9                                                                              | 43.9        | 47.1                                                                              | 32.5              | 4713                                                                                | 130               | 18850                                                                               | 460                                                                                 | 2.45           |
| HL991-04-24     | 1-1/2"       | 38.1 | 47.8                                                                              | 49.8                                                                              | 51.9        | 55.1                                                                              | 29.0              | 4205                                                                                | 116               | 16820                                                                               | 560                                                                                 | 2.97           |
| HL991-04-32     | 2"           | 50.8 | 62.2                                                                              | 64.2                                                                              | 66.5        | 69.7                                                                              | 25.0              | 3625                                                                                | 100               | 14500                                                                               | 700                                                                                 | 4.50           |

## MAIN FEATURES 主要性能

4SH相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试

Corresponding working pressure same with 4SH, excellent abrasion-resistance with 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准：符合/超越EN856 4SH

结构：软管由耐油合成橡胶内胶层、4层钢丝缠绕增强层、耐磨、耐天候黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN856 4SH

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four layers of high tensile steel wire spiral for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。（空气：+70℃，水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air:+70℃, Water:+85℃).

注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL992-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL992-04-06     | 3/8"         | 9.5  | 20.3                                                                              | 23.3                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 150                                                                                 | 0.76                                                                                |
| HL992-04-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 200                                                                                 | 0.85                                                                                |
| HL992-04-10     | 5/8"         | 15.9 | 26.0                                                                              | 28.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 230                                                                                 | 1.05                                                                                |
| HL992-04-12     | 3/4"         | 19.0 | 32.9                                                                              | 36.1                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 265                                                                                 | 1.64                                                                                |
| HL992-04-16     | 1"           | 25.4 | 38.9                                                                              | 42.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 330                                                                                 | 2.23                                                                                |
| HL992-06-20     | 1-1/4"       | 31.8 | 48.4                                                                              | 51.5                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 445                                                                                 | 4.16                                                                                |
| HL992-06-24     | 1-1/2"       | 38.1 | 56.3                                                                              | 59.6                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 530                                                                                 | 5.12                                                                                |
| HL992-06-32     | 2"           | 50.8 | 69.4                                                                              | 72.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 630                                                                                 | 6.54                                                                                |

## MAIN FEATURES 主要性能

SAE 100R15相应的工作压力 · 耐温度范围大 · 抗臭氧性和抗紫外线性强 · 在恶劣气候下胶管性能使用卓越  
Corresponding working pressure same with SAE100R15, large temperature range, strong ozone resistance and UV resistance, excellent performance in severe weather

执行标准：符合/超越SAE J517 100R15

结构：软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐候蓝色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: SAE J517 100R15

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and weather resistant synthetic blue rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-55℃~+135℃。（空气：+100℃，水：+85℃）

最高温度：（间歇工作）+150℃

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -55℃ ~ +135℃(Air: +100℃ Water: +85℃).

Max Temperature:(Intermittent)+150℃

## WELONE® HL992-06



注：客户如需极限类型的其它标准液压胶管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.





# WELONE® HL993-04

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |  |  |      |  |       |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | R.O.D<br>增强层外径                                                                    | O.D<br>软管外径                                                                       | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |       | MIN B.R<br>最小弯曲半径                                                                   | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Max                                                                               | Max                                                                               |                                                                                   |      |                                                                                     |       |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm                                                                                | Mpa                                                                               | psi  | Mpa                                                                                 | psi   | mm                                                                                  | Kg/m                                                                                |
| HL993-04-06     | 3/8"         | 9.5  | 20.3                                                                              | 23.3                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 150                                                                                 | 0.76                                                                                |
| HL993-04-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 200                                                                                 | 0.85                                                                                |
| HL993-04-10     | 5/8"         | 15.9 | 26.0                                                                              | 28.8                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 230                                                                                 | 1.05                                                                                |
| HL993-04-12     | 3/4"         | 19.0 | 32.9                                                                              | 36.1                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 265                                                                                 | 1.64                                                                                |
| HL993-04-16     | 1"           | 25.4 | 38.9                                                                              | 42.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 330                                                                                 | 2.23                                                                                |
| HL993-06-20     | 1-1/4"       | 31.8 | 48.4                                                                              | 51.5                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 445                                                                                 | 4.16                                                                                |
| HL993-06-24     | 1-1/2"       | 38.1 | 56.3                                                                              | 59.6                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 530                                                                                 | 5.12                                                                                |
| HL993-06-32     | 2"           | 50.8 | 69.4                                                                              | 72.9                                                                              | 42.0                                                                              | 6090 | 189                                                                                 | 27405 | 630                                                                                 | 6.54                                                                                |

## MAIN FEATURES 主要性能

R15相应的工作压力·卓越耐磨性，磨损测试是普通软管的5倍以上·通过了多种性能测试  
Corresponding working pressure same with SAE100 R15, excellent abrasion-resistance with 5 times more than the regular rubber hydraulic hoses, various performance tests passed

执行标准：符合/超越SAE J517 100R15

结构：软管由耐油合成橡胶内胶层、4层或6层钢丝缠绕增强层、耐磨、耐天候黑色合成橡胶外胶层组成。

通过认证：MSHA IC-330/1、矿用产品安全标志认证、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: SAE J517 100R15

Construction: The hose consists of oil resistant synthetic rubber for inner tube, four or six layers of high tensile steel wire spiral for reinforcement, and abrasion & weather resistant synthetic black rubber for cover.

Certificate: MSHA IC-330/1, Safety Certificate Approval for Mining Products, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+121℃。（空气：+70℃。  
水：+85℃）

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃ ~ +121℃(Air: +70℃, Water: +85℃).

## WELONE® HL993-06



注：如需定制外覆UPE超级耐磨系列，可与销售代表咨询。

NOTE: For customizing the super abrasion-resistance hose with UPE FILM covered, please contact our sales.





# WELONE® HL994-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |     |  |      |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |     | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R<br>最小弯曲半径                                                                   |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |     |                                                                                     |      |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m |                                                                                     |
| HL994-01-04     | 1/4"         | 6.3  | 12.0                                                                              | 13.4 | 2.4                                                                               | 350 | 10                                                                                  | 1400 | 76                                                                                  | 0.13 |                                                                                     |
| HL994-01-05     | 5/16"        | 7.9  | 13.9                                                                              | 15.5 | 2.4                                                                               | 350 | 10                                                                                  | 1400 | 76                                                                                  | 0.15 |                                                                                     |
| HL994-01-06     | 3/8"         | 9.5  | 15.8                                                                              | 17.3 | 2.4                                                                               | 350 | 10                                                                                  | 1400 | 76                                                                                  | 0.22 |                                                                                     |
| HL994-01-08     | 1/2"         | 12.7 | 19.0                                                                              | 20.6 | 2.1                                                                               | 300 | 8                                                                                   | 1200 | 127                                                                                 | 0.26 |                                                                                     |
| HL994-01-10     | 5/8"         | 15.9 | 22.5                                                                              | 24.1 | 2.1                                                                               | 300 | 8                                                                                   | 1200 | 152                                                                                 | 0.35 |                                                                                     |
| HL994-01-12     | 3/4"         | 19.1 | 25.5                                                                              | 27.1 | 2.1                                                                               | 300 | 8                                                                                   | 1200 | 177                                                                                 | 0.37 |                                                                                     |
| HL994-01-16     | 1"           | 25.4 | 32.0                                                                              | 35.0 | 1.4                                                                               | 200 | 6                                                                                   | 800  | 254                                                                                 | 0.66 |                                                                                     |

## MAIN FEATURES 主要性能

多用途自锁免扣式软管适用于工业设备水冷却系统及气动系统 • 胶管外观为光面 • 有超强的柔软性 • 耐天候是普通软管的5倍以上  
 PUSH-LOCK Multi-Purpose industrial hose suitable for water-cooling systems and pneumatic systems of industrial equipment,  
 with smooth cover, super strong flexibility, and excellent weather resistance with 5 times more than the regular hose

结构: 软管由合成橡胶内胶层、一层纤维编织增强层、合成橡胶外胶层组成。

1" (含1") 以下规格胶管外观为布纹面和光面, 1"以上规格为布纹面。

外胶层多种颜色可选: 黑色=BLK、蓝色=BLU、红色=RED、绿色=GRN、灰色=GRA、白色=WHT、黄色=YEL

通过认证: MSHA IC-330/1, ISO9001, IATF 16949 认证等证书

包装方式: 可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Construction: The hose consists of synthetic inner rubber, one layer of fiber/textile for reinforcement, and synthetic cover rubber.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Cover rubber color: BLACK=BLK, BLUE=BLU, RED=RED, GREEN=GRN, GRAY=GRA, WHITE=WHT, YELLOW=YEL

Certificate: MSHA IC-330/1, ISO9001, IATF 16949 etc.

Packaging: Carton cases, plastic or wooden reels, etc.

使用介质: 空气, 水, 水乙二醇, 油水乳化液, 防冻剂, 润滑油和石油基液压油。用于压缩空气时, 软管需针刺。

软管绝缘:  $R > 10^8 \Omega/m$

温度范围:  $-40^\circ\text{C} \sim +100^\circ\text{C}$ . (空气:  $+70^\circ\text{C}$ . 水:  $+85^\circ\text{C}$ )

Application: air, water, water glycol, oil-water emulsion, antifreeze, lubricating oil, and petroleum based hydraulic oil, and pin-prick needed when the hoses are used for compressed air.

Insulation:  $R > 10^8 \Omega/m$

Temperature range:  $-40^\circ\text{C} \sim +100^\circ\text{C}$  (Air:  $+70^\circ\text{C}$ , Water:  $+85^\circ\text{C}$ ).

注: 客户如需阻燃及其它性能要求, 需要特殊订制, 可与销售代表咨询。

NOTE: If the customer need hose with flame resistance and other performance, please contact our sales.





# WELONE® HL995-01

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |     |  |      |  |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |     | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R.<br>最小弯曲半径                                                                  | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |     |                                                                                     |      |                                                                                     |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m                                                                                |
| HL995-01-03     | 3/16"        | 4.8  | 10.0                                                                              | 11.6 | 3.5                                                                               | 508 | 14                                                                                  | 2030 | 35                                                                                  | 0.11                                                                                |
| HL995-01-04     | 1/4"         | 6.4  | 11.6                                                                              | 13.2 | 3.0                                                                               | 435 | 12                                                                                  | 1740 | 45                                                                                  | 0.13                                                                                |
| HL995-01-05     | 5/16"        | 7.9  | 13.1                                                                              | 14.7 | 3.0                                                                               | 435 | 12                                                                                  | 1740 | 65                                                                                  | 0.14                                                                                |
| HL995-01-06     | 3/8"         | 9.5  | 14.7                                                                              | 16.3 | 3.0                                                                               | 435 | 12                                                                                  | 1740 | 75                                                                                  | 0.18                                                                                |
| HL995-01-08     | 1/2"         | 12.7 | 17.7                                                                              | 19.7 | 3.0                                                                               | 435 | 12                                                                                  | 1740 | 90                                                                                  | 0.25                                                                                |
| HL995-01-10     | 5/8"         | 15.9 | 21.9                                                                              | 23.9 | 3.0                                                                               | 435 | 12                                                                                  | 1740 | 115                                                                                 | 0.32                                                                                |

## MAIN FEATURES 主要性能

EN854 1TE相应的工作压力 · 柔韧性好 · 广泛的液体介质相容性 · 在恶劣气候下胶管性能使用卓越  
Corresponding to EN854 1TE working pressure, excellent flexibility, wide compatibility with liquid medium, excellent performance in severe weather conditions

执行标准：符合/超越EN854 1TE

结构：软管由耐油合成橡胶内胶层、一层纤维编织增强层、耐气候黑色合成橡胶外胶层组成。

1" (含 1") 以下规格胶管外观为布纹面和光面，1"以上规格为布纹面。

通过认证：MSHA IC-330/1, ISO9001, IATF 16949 认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN854 1TE

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one layer of textile braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificate: MSHA IC-330/1, ISO9001, IATF 16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。(空气：+70℃，水：+85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：客户如需阻燃及其它性能要求，需要特殊订制，可与销售代表咨询。

NOTE: If the customer need hose with flame resistance and other performance, please contact our sales.





# WELONE® HL995-02

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |      |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P.<br>最小爆破压力                                                                  |      | MIN B.R.<br>最小弯曲半径                                                                  |      | WEIGHT<br>参考重量                                                                      |
|                 |              |      | Min                                                                               | Max  |                                                                                   |      |                                                                                     |      |                                                                                     |      |                                                                                     |
|                 | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi  | mm                                                                                  | Kg/m |                                                                                     |
| HL995-02-03     | 3/16"        | 4.8  | 11.0                                                                              | 12.6 | 8.0                                                                               | 1160 | 32                                                                                  | 4640 | 35                                                                                  | 0.12 |                                                                                     |
| HL995-02-04     | 1/4"         | 6.4  | 12.6                                                                              | 14.2 | 7.5                                                                               | 1088 | 30                                                                                  | 4350 | 40                                                                                  | 0.15 |                                                                                     |
| HL995-02-05     | 5/16"        | 7.9  | 14.1                                                                              | 15.7 | 6.8                                                                               | 986  | 27                                                                                  | 3944 | 50                                                                                  | 0.19 |                                                                                     |
| HL995-02-06     | 3/8"         | 9.5  | 15.7                                                                              | 17.3 | 6.3                                                                               | 914  | 25                                                                                  | 3654 | 60                                                                                  | 0.22 |                                                                                     |
| HL995-02-08     | 1/2"         | 12.7 | 18.7                                                                              | 20.7 | 5.8                                                                               | 841  | 23                                                                                  | 3364 | 70                                                                                  | 0.28 |                                                                                     |
| HL995-02-10     | 5/8"         | 15.9 | 22.9                                                                              | 24.9 | 5.0                                                                               | 725  | 20                                                                                  | 2900 | 90                                                                                  | 0.35 |                                                                                     |
| HL995-02-12     | 3/4"         | 19.0 | 26.0                                                                              | 28.0 | 4.5                                                                               | 653  | 18                                                                                  | 2610 | 110                                                                                 | 0.41 |                                                                                     |
| HL995-02-16     | 1"           | 25.4 | 32.9                                                                              | 35.9 | 4.0                                                                               | 580  | 16                                                                                  | 2320 | 150                                                                                 | 0.59 |                                                                                     |

## MAIN FEATURES 主要性能

EN854 2TE相应的工作压力 · 柔韧性好 · 广泛的液体介质相容性 · 在恶劣气候下胶管性能使用卓越  
Corresponding to EN854 2TE working pressure, excellent flexibility, wide compatibility with liquid medium, excellent performance in severe weather conditions

执行标准：符合/超越EN854 2TE

结构：软管由耐油合成橡胶内胶层、一层或二层纤维编织增强层、耐候、黑色合成橡胶外胶层组成。

1" (含 1") 以下规格胶管外观为布纹面和光面, 1"以上规格为布纹面。

通过的认证：MSHA IC-330/1, ISO9001, IATF 16949 认证等证书

包装方式：可根据客户需求, 定制纸箱、木轮、塑胶轮等多种包装方式。

Meet/Exceed the Standard: EN854 2TE

Construction: The hose consists of oil resistant synthetic rubber for inner tube, one or two layers of textile braided for reinforcement, and weather resistant synthetic black rubber for cover.

3/16" up to 1"(1" included )we could produce wrapped cover and smooth cover; Sizes above 1"(1" not included), we could only produce wrapped cover.

Certificates: MSHA IC-330/1, ISO9001, IATF 16949, etc.

Packaging: Carton cases, wooden or plastic reels, etc.

用途：适用于石油基或水基液压流体，用于压缩空气时，软管需针刺。

温度范围：-40℃~+100℃。(空气：+70℃。  
水：+85℃)

Application: Suitable for water and petroleum-based hydraulic fluids, and pin-prick needed when the hoses are used for compressed air.

Temperature range: -40℃~+100℃(Air: +70℃, Water: +85℃).

注：客户如需阻燃及其它性能要求，需要特殊订制，可与销售代表咨询。

NOTE: If the customer need hose with flame resistance and other performance, please contact our sales.





# WELONE® HL996-01

(I型)

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |      |  |     |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |      | MIN B.P<br>最小爆破压力                                                                   |     |                                                                                     |
|                 |              |      | Min                                                                               | Max  |                                                                                   |      |                                                                                     |     |                                                                                     |
| ( I 型)          | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi  | Mpa                                                                                 | psi | mm                                                                                  |
| HL996-01-06     | 3/8"         | 9.5  | 20.5                                                                              | 22.5 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 120                                                                                 |
| HL996-01-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.0 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 130                                                                                 |
| HL996-01-10     | 5/8"         | 15.9 | 29.0                                                                              | 31.0 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 160                                                                                 |
| HL996-01-12     | 3/4"         | 19.0 | 32.0                                                                              | 34.0 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 190                                                                                 |
| HL996-01-16     | 1"           | 25.4 | 39.0                                                                              | 41.0 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 260                                                                                 |
| HL996-01-20     | 1-1/4 "      | 31.8 | 47.0                                                                              | 49.0 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 320                                                                                 |
| HL996-01-24     | 1-1/2"       | 38.1 | 52.8                                                                              | 55.2 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 380                                                                                 |
| HL996-01-28     | 1-3/4 "      | 44.5 | 59.8                                                                              | 62.2 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 450                                                                                 |
| HL996-01-32     | 2"           | 50.8 | 67.6                                                                              | 69.4 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 500                                                                                 |
| HL996-01-40     | 2-1/2"       | 64.0 | 79.4                                                                              | 82.6 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 630                                                                                 |
| HL996-01-48     | 3"           | 76.0 | 92.4                                                                              | 95.6 | 0.6                                                                               | 87.0 | 6                                                                                   | 870 | 750                                                                                 |

## MAIN FEATURES 主要性能

耐热性能优良 Excellent Heat resistance performance

结构：软管由耐热性能良好的EPDM内胶层，一层或两层钢丝编织增强层，耐热、耐老化的EPDM外胶层组成（胶管外表面为布纹面）。

通过的认证：MSHA、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Construction: The hose consists of excellent heat resistance EPDM rubber for inner tube, one or two high tensile steel wire braided for reinforcement, and heat & anti-aging resistance EPDM rubber for cover(wrapped cover).

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

使用介质：饱和蒸汽及热冷凝水

温度范围：I型-40℃~+164℃

Application: Saturated steam and saturated steam

Temperature: TYPE I -40℃ ~ +164℃

注：客户如需其它性能要求，需要特殊订制，可与销售代表咨询。

NOTE: If the customer need any other request about the rubber performance, please contact with our Sales.





# WELONE® HL996-01

(II型)

| Part No.<br>零件号 | I.D.<br>软管内径 |      |  |      |  |       |  |      |  |
|-----------------|--------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|                 |              |      | O.D.<br>软管外径                                                                      |      | MAX W.P.<br>最大工作压力                                                                |       | MIN B.P<br>最小爆破压力                                                                   |      |                                                                                     |
|                 |              |      | Min                                                                               | Max  |                                                                                   |       |                                                                                     |      |                                                                                     |
| (II型)           | inch         | mm   | mm                                                                                | mm   | Mpa                                                                               | psi   | Mpa                                                                                 | psi  | mm                                                                                  |
| HL996-01-06     | 3/8"         | 9.5  | 20.5                                                                              | 22.5 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 120                                                                                 |
| HL996-01-08     | 1/2"         | 12.7 | 24.0                                                                              | 26.0 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 130                                                                                 |
| HL996-01-10     | 5/8"         | 15.9 | 29.0                                                                              | 31.0 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 160                                                                                 |
| HL996-01-12     | 3/4"         | 19.0 | 32.0                                                                              | 34.0 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 190                                                                                 |
| HL996-01-16     | 1"           | 25.4 | 39.0                                                                              | 41.0 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 260                                                                                 |
| HL996-01-20     | 1-1/4 "      | 31.8 | 47.0                                                                              | 49.0 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 320                                                                                 |
| HL996-01-24     | 1-1/2"       | 38.1 | 52.8                                                                              | 55.2 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 380                                                                                 |
| HL996-01-28     | 1-3/4 "      | 44.5 | 59.8                                                                              | 62.2 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 450                                                                                 |
| HL996-01-32     | 2"           | 50.8 | 67.6                                                                              | 69.4 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 500                                                                                 |
| HL996-01-40     | 2-1/2"       | 64.0 | 79.4                                                                              | 82.6 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 630                                                                                 |
| HL996-01-48     | 3"           | 76.0 | 92.4                                                                              | 95.6 | 1.8                                                                               | 261.0 | 18                                                                                  | 2610 | 750                                                                                 |

## MAIN FEATURES 主要性能

耐热性能优良 Excellent Heat resistance performance

结构：软管由耐热性能良好的EPDM内胶层，一层或两层钢丝编织增强层，耐热、耐老化的EPDM外胶层组成（胶管外表面为布纹面）。

通过的认证：MSHA、ISO9001、IATF16949认证等证书

包装方式：可根据客户需求，定制纸箱、木轮、塑胶轮等多种包装方式。

Construction: The hose consists of excellent heat resistance EPDM rubber for inner tube, one or two high tensile steel wire braided for reinforcement, and heat & anti-aging resistance EPDM rubber for cover(wrapped cover ).

Certificate: MSHA, ISO9001, IATF16949, etc.

Packaging: Carton cases, Plastic or wooden reels, etc.

使用介质：饱和蒸汽及热冷凝水  
温度范围：II型-40℃~+210℃

Application: Saturated steam and saturated steam  
Temperature: TYPE II -40℃ ~ +210℃

注：客户如需其它性能要求，需要特殊订制，可与销售代表咨询。

NOTE: If the customer need any other request about the rubber performance, please contact with our Sales.



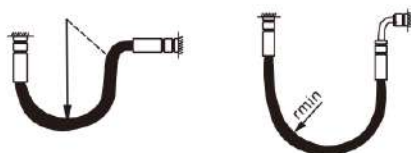
# INSTALLING THE HOSE ASSEMBLY



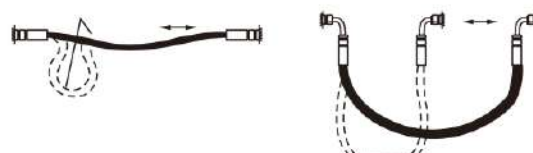
软管总成两端装配后不应该把软管拉直，应有些松弛。因在压力作用下，软管长度会有变化，其变化幅度-4%~+2%  
The both ends of the hydraulic hose assembly shouldn't be straightened after installation, should be a little slack, because the length of hose will vary within the range between -4%~+2% under pressure (Illustration 1)



安装时软管不能扭曲链接，因在高温作用下有扭直趋势，会使安装接头螺母旋松，严重时会使软管在应变点破裂。  
The installation of hose should be avoiding the twisting connection, because high temperature could make the assembly straighten, and make the screw nut loosen, even worse, make it fracture in the strain point (Illustration 6)



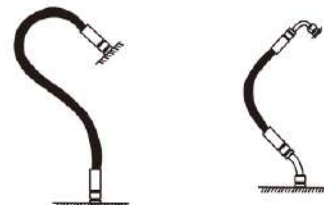
选择合适的接头，以避免小的弯曲半径，避免软管附加应力。  
Choosing the proper fittings to avoid the small Bending Radius and additional stress (Illustration 2)



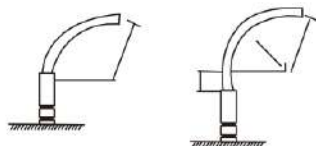
软管组合件使用活动部件连接时，软管组合件在整个运动范围内应不小于弯曲半径，不应承受额外的拉力负荷。  
When connecting the assembly with moving parts, it shouldn't be less than its Bending Radius in the whole range of motion and shouldn't bear the extra tensile force (Illustration 7)



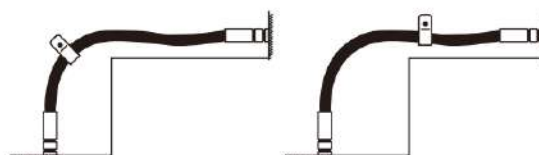
采取相应的措施避免组合件受外部机械的损伤。  
Taking the appropriate measures to prevent the mechanical damage from outside (Illustration 3)



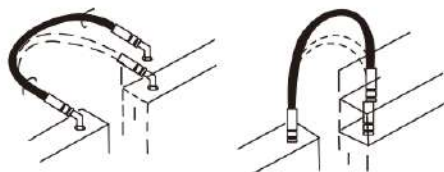
通过使用相应的管接头或连接件避免软管出附加负荷。  
Using the appropriate fittings or connecting to avoid additional load (Illustration 8)



在弯曲安装时，软管弯曲应在1.5d (d为软管直径) 的长度上开始，否则会出现铰式支撑。  
When installing the hose with the bending status, the Bending Point should be 1.5 times longer than the hose diameter, or it will have the problem of hinged support (Illustration 4)



尽可能避免软管直接接触其他物体或远离其他物体以减少摩擦。  
The hose should better avoid to touch other objects directly or get away from other objects to reduce friction (Illustration 9)



软管组合件在相同的平面出现移动或弯曲，通过合理的安装来避免软管扭曲。  
Avoiding the hose twisting via proper installation, When the hose assembly moves or bends on the same plane (Illustration 5)

应将由于振动引起的应力降低到最低限度并尽可能地避免，如果软管组合件是连接在刚性部件上，应当采取合适的卡箍并尽量接近连接处。  
Reducing or avoiding the power caused by vibrating as far as possible. If the hose is connected to the hard component, the suitable clamp should as close to the connection as possible.

应当避免软管（例如排气系统附近）受到热辐射，在高温位置可以采用隔热罩或隔热材料将软管保护起来。  
Preventing the hose (for example, not near exhaust system) from heat radiation, the adiabatic material must act as the protective sleeves for the hose.

# STEEL WIRE REINFORCED HYDRAULIC HOSE



成都经销商 (chengdu)  
TEL:028-83026101  
MOB:13880508988 周经理  
ADD:成都市新都区元贞国际机械城

长沙办事处 (changsha)  
TEL:0731-88902921  
MOB:13787176106 李经理  
ADD:湖南长沙市汽车南站南侧

河南办事处 (henan)  
TEL:0395-2152888  
MOB:13839520716 宛经理  
ADD:河南漯河市经济技术开发区

福州办事处 (fuzhou)  
TEL:0591-83533648  
MOB:13635282684 赵经理  
ADD:福建福州市仓山区盖山镇

广州办事处 (guangzhou)  
TEL:020-29167903  
MOB:15099956946 刘经理  
ADD:广州市天河区东圃镇吉山大淋岗

沈阳办事处 (shenyang)  
TEL:024-88900181  
MOB:13998317351 孙经理  
ADD:辽宁沈阳大东区东北大马路东段

济南办事处 (jinan)  
TEL:0531-67806556  
MOB:18806411178 赵经理  
ADD:山东济南历城区黄河大桥收费站处

无锡办事处 (wuxi)  
TEL:0510-83501553  
MOB:18651023507 赵经理  
ADD:江苏无锡惠山区长安大墩头工业园

宁波办事处 (ningbo)  
TEL:0574-88390149  
MOB:18857400375 贾经理  
ADD:浙江宁波鄞州五乡镇

Service Tel:400-100-6819

# EXCELLENT PERFORMANCE UNDER PRESSURE



ADD:国家漯河经济技术开发区东方红路东段

TEL:+86-0395-2152 888/2152 999

FAX:+86-0395-2135 777

E-mail: [info@huvlone.com](mailto:info@huvlone.com)

Website: [www.huvlone.com](http://www.huvlone.com)