携手共赢 共创未来

河北圣翰液压机械有限公司
HYDRAULIC MACHINERY

# 圣翰液压

液压机械


河北圣翰液压机械有限公司
HEBEI SHENGHAN HYDRAULIC MACHINERY CO., LTD

地 址：河北省宁晋县高速路口北行两公里
电 话：0319-5803789 18531998999
网 址：www.shenghanyeya.com
邮 箱：871589789@qq.com


扫码关注微信公众号




# 河北圣翰液压机械有限公司

Hebei Shenghan Hydraulic Machinery Co., Ltd.

专注液压油缸 精研动力单元 智造自动润滑系统

Focus on hydraulic cylinders Delve deeply into power units Introduce intelligent automatic lubrication systems

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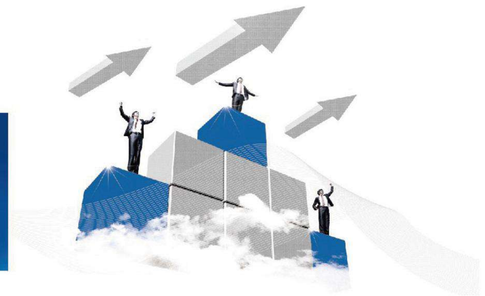
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圣翰液压 机械 HYDRAULIC MACHINERY
河北圣翰液压机械有限公司

# 公司简介
# COMPANY PROFILE





河北圣翰液压机械有限公司始创于2009年，位于全国液压机械配件基地—河北·宁晋，系集生产制造、批发销售于体的多元化液压公司。

依托于深厚的行业经验，我们始终在产品工艺上不断探索并向前迈进，现已配套于一众主机厂成为长期合作伙伴。

我公司主要生产液压油缸、动力单元、集中润滑系统。液压油缸产品有:水田平地机油缸、整地机油缸、打包机油缸、采棉机油缸、收割机油缸、环卫车油缸、叉车属具油缸、汽车尾板油缸、飞翼车油缸、碎石机油缸、矿用油缸……液压产品配套于轿运车、叉车夹具、食品机械、飞翼系统成套、汽车尾板成套、车辆改装等广泛领域。其液压产品销往全国20多个省、市、自治区、产品质量和公司信誉得到了客户的一致好评。我公司还可依据图纸定制生产。

动力单元产品有:尾板动力单元、飞翼动力单元、环卫车动力单元、扫雪车动力单元、升降平台动力单元、举升机动力单元、小金刚动力单元、立体车库动力单元及定制等。

集中润滑系统产品适用于农业机械、工程机械、行走机械、传送装置、矿山机械等设备。

我厂拥有先进产品测试设备，拥有雄厚技术力量。以保障出厂的每一个产品都能拥有卓越的性能，我们励精图治，将持续优化产品，使其能更好的应用，让用户少走弯路，并推动公司得以健康发展。我们追求真正解决客户的问题。做有灵魂的企业。

我公司完善的质量管理体系已通过ISO9001质量管理体系认证，我们将以优质的产品质量，不懈的创新精神，与社会各界携手共创辉煌未来。真诚期待与您的合作!

Hebei Shenghan Hydraulic Machinery Co., Ltd. was founded in 2009 and is located in Ningjin, Hebei Province, a national base for hydraulic machinery parts. It is a diversified hydraulic company integrating production, manufacturing, wholesale and sales.

Relying on our profound industry experience, we have been constantly exploring and moving forward in product technology. We have now become long-term partners of a number of original equipment manufacturers.

Our company mainly produces hydraulic cylinders, power units and centralized lubrication systems. Our hydraulic cylinder products include: water field leveling oil cylinders, land preparation oil cylinders, baling oil cylinders, cotton picker oil cylinders, harvester oil cylinders, sanitation vehicle oil cylinders, forklift attachments oil cylinders, car tailboard oil cylinders, flywing vehicle oil cylinders, gravel oil cylinders, and mining oil cylinders..... Hydraulic products are widely used in various fields such as car carriers, forklift fixtures, food machinery, complete sets of flywing systems, complete sets of car tailboards, and vehicle modification. Its hydraulic products are sold to over 20 provinces, municipalities and autonomous regions across the country. The product quality and company reputation have received unanimous praise from customers. Our company can also customize production according to the drawings.

The power unit products include: tailboard power unit, flying wing power unit, sanitation vehicle power unit, snowplow power unit, lifting platform power unit, hoist power unit, little diamond power unit, multi-storey car park power unit and customized ones, etc.

Centralized lubrication system products are applicable to agricultural machinery, construction machinery, mobile machinery, conveying devices, mining machinery and other equipment.

Our factory is equipped with advanced product testing facilities and has a strong technical force. To ensure that every product leaving the factory has outstanding performance, we are working hard and will continuously optimize our products to make them more applicable, helping users avoid detours and promoting the healthy development of the company. We strive to truly solve our customers' problems. Be an enterprise with a soul.

Our company's complete quality management system has been certified by ISO9001 quality management system. We will, with high-quality products and an unremitting spirit of innovation, join hands with all sectors of society to create a brilliant future together. We sincerely look forward to cooperating with you!

HYDRAULIC MACHINERY
河北圣翰液压机械有限公司



河北圣翰液压机械有限公司凭借自身专业雄厚的技术力量，赢得了政府主管部门、行业协会的高度肯定。

Hebei Shenghan Hydraulic Machinery Co., Ltd. has won the high affirmation of the competent government departments and trade associations by virtue of its professional and strong technical strength.

# 资质荣誉
# QUALIFICATION HONOR




质量管理体系认证证书

证书编号：49920Q00052R1S0

兹证明

河北圣翰液压机械有限公司

统一社会信用代码：91130528309E0617AA

注册地址：河北省邢台市宁晋县换马镇镇东亭村村东　邮编：055550

生产/经营地址：河北省邢台市宁晋县换马镇镇东亭村村东　邮编：055550

质量管理体系符合标准《质量管理体系 要求》
GB/T19001-2016/ISO9001:2015

本证书覆盖范围

铁路、航天、矿山用液压机械配件的生产

初次发证日期：2023 年 02 月 24 日　本次发证日期：2026 年 02 月 12 日　证书有效期至：2029 年 02 月 11 日

证书签发人

中认认证有限公司


A RELIABLE TESTING FOR TRUST

Supplier's Declaration of Conformity

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference

Certification Summary

| | |
|---|---|
| Applicant | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |
| Manufacturer | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |
| Test standard | : FCC Part 15 Class B |
| Product Type | : Automatic Lubrication System |
| Trademark | : ShengWeiDe |
| Model | : Electric lubrication pump |
| Certificate Number | : XDG52320161121102FDC |
| Report number | : XDG52320161121103FDR |
| Issuance Date | : Dec. 11, 2025 |
| Tested by | : BST Testing (Shenzhen) Co.,Ltd. |
| Signature of Officer | : Christina Deng / Certification Manager |

We,the responsible party:
Hebei Shenghan Hydraulic Machinery Co., Ltd.
declare that the product
Automatic Lubrication System

was tested to conform to the applicable FCC Rules and regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

BST Testing (Shenzhen) Co.,Ltd.
Add: No.7, New Era Industrial Zone, Guantian, Baoan District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel:400-962-6168, 8009990305, E-mail:report@bst-lab.com


A RELIABLE TESTING FOR TRUST

Supplier's Declaration of Conformity

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference

Certification Summary

| | |
|---|---|
| Applicant | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |
| Manufacturer | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |
| Test standard | : FCC Part 15 Class B |
| Product Type | : Hydraulic Power Unit |
| Trademark | : NETEJAJA |
| Model | : Hydraulic Power Unit |
| Certificate Number | : XDG52320161121105FDC |
| Report number | : XDG52320161121105FDR |
| Issuance Date | : Dec. 11, 2025 |
| Tested by | : BST Testing (Shenzhen) Co.,Ltd. |
| Signature of Officer | : Christina Deng / Certification Manager |

We,the responsible party:
Hebei Shenghan Hydraulic Machinery Co., Ltd.
declare that the product
Hydraulic Power Unit

was tested to conform to the applicable FCC Rules and regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

BST Testing (Shenzhen) Co.,Ltd.
Add: No.7, New Era Industrial Zone, Guantian, Baoan District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel:400-962-6168, 8009990305, E-mail:report@bst-lab.com


Verified

Verified Supplier Certificate

Certification No. 478827817_P+T

Hebei Shenghan Hydraulic Machinery Co., Ltd.
河北圣翰液压机械有限公司
http://hbshenghan.en.alibaba.com

Onsite assessment of the following areas was conducted by TÜV Rheinland.

| | |
|---|---|
| ☑ Company Overview | ☑ Human Resources |
| ☑ Current Export Situation | ☑ Export Business Capacity |
| ☑ Production Capacity | ☑ Quality Assurance |
| ☑ Production Process Management | ☑ R & D Capacity |
| ☑ Company Development / Expansion Plans | ☑ Production Flow |
| ☑ Certification & Photos | ☑ Company and Product Samples |

Valid: 06 Sep. 2025 to 05 Sep. 2026

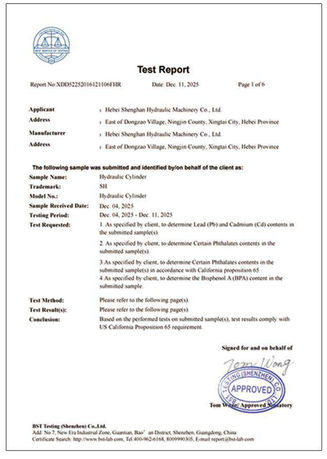
Issued by: Alibaba.com　Assessed by: TÜVRheinland Precisely Right.

Date of Issue: 05 Sep. 2025　Certification No. 478827817_P+T

Signature:

Title: Vice President Of Systems TÜV Rheinland Greater China

Verification Address: https://assessed-suppliers.cbu.tuv.com


Test Report

Report No:XDG52320161211106FHR　Date: Dec. 11, 2025　Page 1 of 6

| | |
|---|---|
| Applicant | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |
| Manufacturer | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Address | : East of Dongzao Village, Ningjin County, Xingtai City, Hebei Province |

The following sample was submitted and identified by/on behalf of the client as:

| | |
|---|---|
| Sample Name: | Hydraulic Cylinder |
| Trademark: | SH |
| Model No.: | Hydraulic Cylinder |
| Sample Received Date: | Dec. 04, 2025 |
| Testing Period: | Dec. 04, 2025 - Dec. 11, 2025 |
| Test Requested: | 1. As specified by client, to determine Lead (Pb) and Cadmium (Cd) contents in the submitted sample(s). 2. As specified by client, to determine Certain Phthalates contents in the submitted sample(s). 3.As specified by client, to determine Certain Phthalates contents in the submitted sample(s) in accordance with California proposition 65 4.As specified by client, to determine the Bisphenol A (BPA) content in the submitted sample |
| Test Method: | Please refer to the following page(s). |
| Test Result(s): | Please refer to the following page(s). |
| Conclusion: | Based on the performed tests on submitted sample(s), test results comply with US California Proposition 65 requirement. |

Signed for and on behalf of

Tom Wang/ Approved Signatory

BST Testing (Shenzhen) Co.,Ltd.
Add: No.7, New Era Industrial Zone, Guantian, Bao' an District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel:400-962-6168, 8009990305, E-mail:report@bst-lab.com


UDEM

MACHINERY DIRECTIVE
ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been examined and audit has been completed successfully.
2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

| | |
|---|---|
| Company Name | : Hebei Shenghan Hydraulic Machinery Co., Ltd. |
| Company Address | : East of Dongzao Village, Huanmadian Town, Ningjin County, Xinghai, Hebei, China |
| Related Directives and Annex | : 2006/42/EC Machinery Directive / Annex VIII |
| Related Standards | : EN ISO 12100:2010; EN 60204-1:2018+A1:2025 |
| Product Name | : Hydraulic Machinery |
| Report No and Date | : MT22025090534VD |
| Product Brand/Model/Type | : SH-HC-001;SH-HC-002;SH-HC-003;SH-HC-004;SH-HC-005;SH-HC-006; SH-HPU-12V;SH-HPU-24V;SH-HPU-48V;SH-HPU-60V;SH-HPU-72V; SH-HPU-220V;SH-HPU-380V |
| Certificate Number | : M.2025.206.C1264456 |
| Initial Assessment Date | : 17.09.2025 |
| Registration Date | : 18.09.2025 |
| Reissue Date/No | : |
| Expiry Date | : 17.09.2030 |

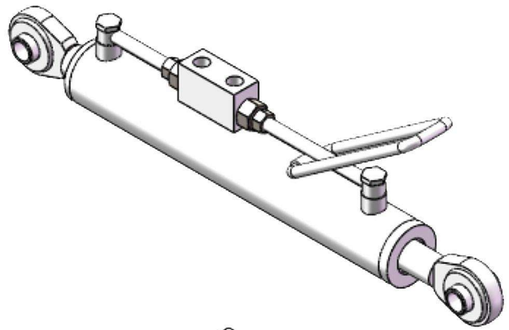
The validity of the certificate can be checked through www.udem.com.tr. Upon completion of EC declaration of conformity, the manufacturer or his authorized representative must affix the CE marking and name of UDEM Uluslararası Belgelendirme Denetim Sistemi Hizmetleri San. ve Tic. A.Ş. to whom it must be referred, upon request the above named firm must keep a copy of this certificate for 10 years from the registration of certificate. This certificate only covers the product(s) listed above and UDEM Uluslararası Belgelendirme Denetim Sistemi Hizmetleri San. ve Tic. A.Ş. must be noticed in case of any changes on the product(s).

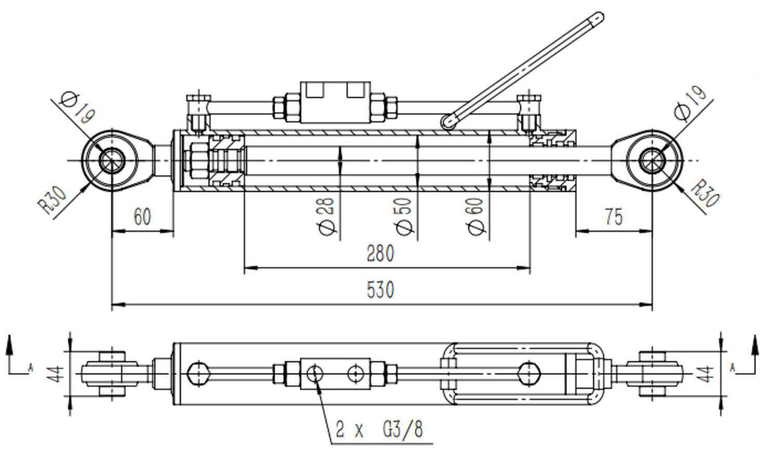
Address: Mustafa Kemal Mahallesi 2073 Sokak (Eski 59 Sokak) No:13 Çankaya Ankara - TÜRKİYE
Phone: +90 (312) 443 03 90
E-mail: info@udem.com.tr　www.udem.com.tr

UDEM Uluslararası Belgelendirme Denetim Sistemi Hizmetleri San. ve Tic. A.Ş.
General Manager

UDEM

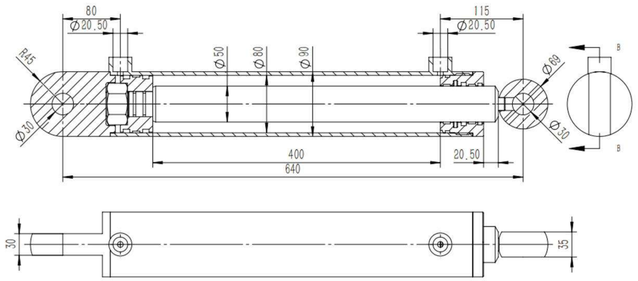







Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

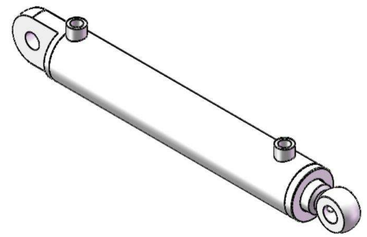
| | |
|---|---|
| Cylinder diameter | 50 |
| Rod diameter | 28 |
| Itinerary | 280 |
| Installation distance | 530 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |

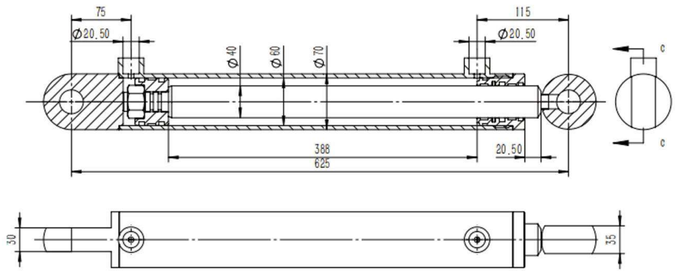



Technical Specifications

1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

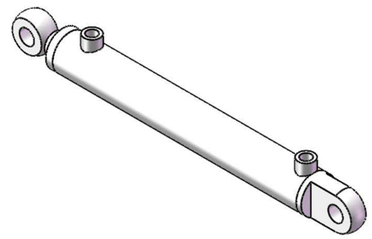
| | |
|---|---|
| Cylinder diameter | 80 |
| Rod diameter | 50 |
| Itinerary | 400 |
| Installation distance | 640 |
| Rated working pressure （Mpa） | 16Mpa |
| Test pressure （Mpa） | 25Mpa |

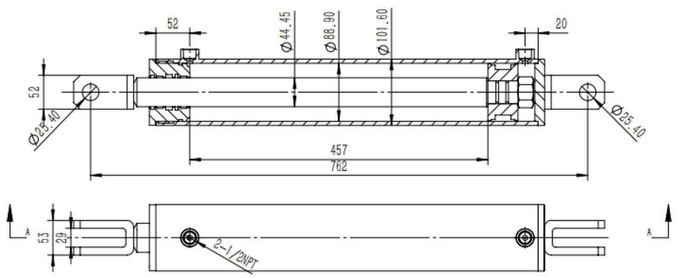


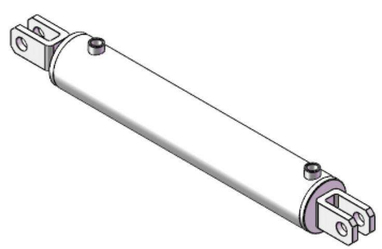



Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

| | |
|---|---|
| Cylinder diameter | 60 |
| Rod diameter | 40 |
| Itinerary | 388 |
| Installation distance | 625 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |



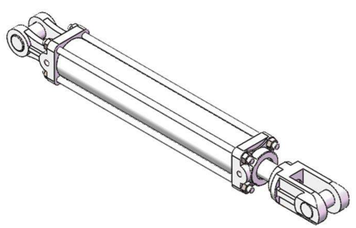


Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

| | |
|---|---|
| Cylinder diameter | 88.9 |
| Rod diameter | 44.45 |
| Itinerary | 457 |
| Installation distance | 762 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |

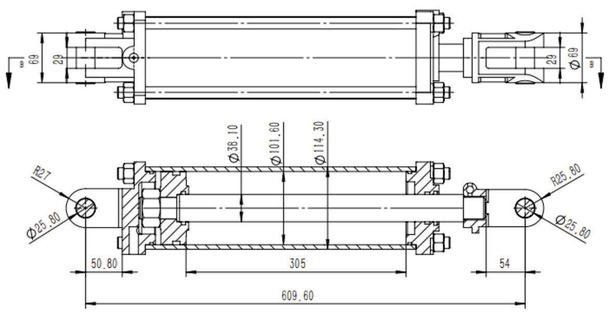


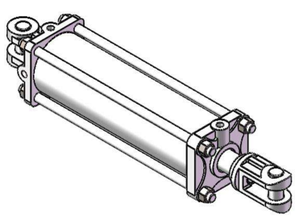



Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

| | |
|---|---|
| Cylinder diameter | 50.8 |
| Rod diameter | 28.58 |
| Itinerary | 305 |
| Installation distance | 609.6 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |

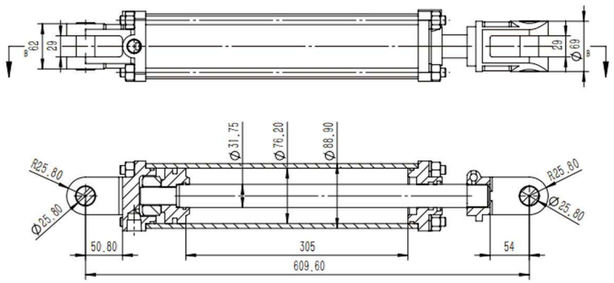


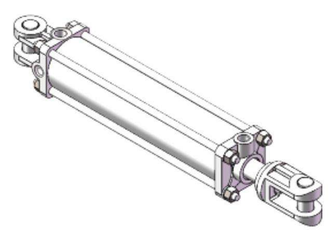


Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

| | |
|---|---|
| Cylinder diameter | 101.6 |
| Rod diameter | 38.1 |
| Itinerary | 305 |
| Installation distance | 609.6 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |

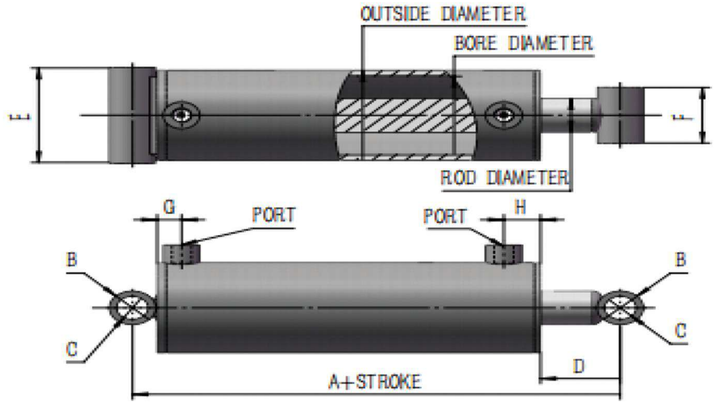


Technical Specifications
1. After assembly, the factory test shall be conducted in accordance with the provisions of GB/T15622–2005;
2. The technical performance indicators meet the requirements stipulated in JB/T10205–2000;
3. The cylinder barrel is made of 20# seamless steel pipe, and the piston rod is 45#, with hard chrome plating on the surface;
4. Working temperature range
–20℃to +80℃;

| | |
|---|---|
| Cylinder diameter | 76.2 |
| Rod diameter | 31.75 |
| Itinerary | 305 |
| Installation distance | 609.6 |
| Rated working pressure （Mpa） | 16 |
| Test pressure （Mpa） | 25 |

# WELDED TEE TYPE CYLINDERS-WT.3000PSI




| PART NUMBER | CYLINDER BORE | OUTSIDE DIAMETER | ROD DIAMETER | A | B | C | D | E | F | G | H | PORTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WT3015XX | 1.50” | 2.00” | 1.875” | 8.00” | 1.25” | 0.76” | 2.62” | 2.25” | 2.00” | 1.06” | 1.87” | SAE 4 |
| WT3020XX | 2.00” | 2.50” | 2.375” | 8.00” | 1.50” | 1.01” | 2.25” | 2.75” | 2.25” | 1.00” | 2.06” | SAE 6 |
| WT3025XX | 2.50” | 3.00” | 2.875” | 8.00” | 1.50” | 1.01” | 2.25” | 3.25” | 2.25” | 0.81” | 2.18” | SAE 8 |
| WT3030XX | 3.00” | 3.50” | 1.50” | 8.00” | 1.50” | 1.01” | 2.25” | 3.75” | 2.25” | 0.81” | 2.18” | SAE 8 |
| WT3035XX | 3.50” | 4.00” | 1.75” | 10.00” | 2.00” | 1.26” | 4.00” | 4.25” | 2.25” | 0.81” | 2.18” | SAE 8 |
| WT3040XX | 4.00” | 4.50” | 2.00” | 10.00” | 2.25” | 1.51” | 3.75” | 4.75” | 2.50” | 0.81” | 2.18” | SAE 8 |
| WT3050XX | 5.00” | 5.50” | 2.50” | 12.00” | 3.00” | **1.76” | 3.50” | 5.75” | 3.25” | 1.25” | 2.75” | SAE 12 |

* PIN SIZE WITH INSERT, 2" WHEN REMOVED
MAXIMUM RETRACTED WORKING PRESSURE : 3000 psi

MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE
RETRACTED AND STROKE TOLERANCE ± 1/8"

**WELDED BUSHING**

| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|
| | | RETRACTED | EXTENDED | | | | | | |
| WT30150408 | 1.5” X 4” | 12” | 16” | 1” | 3/4” | SAE 4 | 5300 | 3000 | 8 |
| WT30150608 | 1.5” X 6” | 14” | 20” | | | | 5300 | 3000 | 9 |
| WT30150808 | 1.5” X 8” | 16” | 24” | | | | 5300 | 3000 | 10 |
| WT30151008 | 1.5” X 10” | 18” | 28” | | | | 5300 | 3000 | 12 |
| WT30151208 | 1.5” X 12” | 20” | 32” | | | | 5300 | 3000 | 13 |
| WT30151408 | 1.5” X 14” | 22” | 36” | | | | 5300 | 3000 | 14 |
| WT30151608 | 1.5” X 16” | 24” | 40” | | | | 5300 | 3000 | 15 |
| WT30151808 | 1.5” X 18” | 26” | 44” | | | | 4800 | 2700 | 17 |
| WT30152008 | 1.5” X 20” | 28” | 48” | | | | 4000 | 2300 | 18 |
| WT30152408 | 1.5” X 24” | 32” | 56” | | | | 3000 | 1700 | 20 |
| WT30200410 | 2” X 4” | 12” | 16” | 1-1/4” | 1” | SAE 6 | 9400 | 3000 | 12 |
| WT30200610 | 2” X 6” | 14” | 20” | | | | 9400 | 3000 | 13 |
| WT30200810 | 2” X 8” | 16” | 24” | | | | 9400 | 3000 | 15 |
| WT30201010 | 2” X 10” | 18” | 28” | | | | 9400 | 3000 | 17 |
| WT30201210 | 2” X 12” | 20” | 32” | | | | 9400 | 3000 | 19 |
| WT30201410 | 2” X 14” | 22” | 36” | | | | 9400 | 3000 | 20 |
| WT30201610 | 2” X 16” | 24” | 40” | | | | 9400 | 3000 | 22 |
| WT30201810 | 2” X 18” | 26” | 44” | | | | 9400 | 3000 | 24 |
| WT30202010 | 2” X 20” | 28” | 48” | | | | 9400 | 3000 | 25 |
| WT30202410 | 2” X 24” | 32” | 56” | | | | 7300 | 2300 | 29 |
| WT30202810 | 2” X 28” | 36” | 64” | | | | 5600 | 1700 | 32 |
| WT30203010 | 2” X 30” | 38” | 68” | | | | 4900 | 1500 | 34 |
| WT30203210 | 2” X 32” | 40” | 72” | | | | 4400 | 1400 | 35 |
| WT30203610 | 2” X 36” | 44” | 80” | | | | 3500 | 1100 | 39 |
| WT30204010 | 2” X 40” | 48” | 88” | | | | 2900 | 900 | 42 |
| WT30204810 | 2” X 48” | 56” | 104” | | | | 2100 | 600 | 49 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



# WELDED TEE TYPE CYLINDERS-WT.3000PSI



**WELDED BUSHING**

| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|
| | | RETRACTED | EXTENDED | | | | | | |
| WT30250412 | 2.5” X 4” | 12” | 16” | 1-1/2” | 1” | SAE 8 | 14700 | 3000 | 16 |
| WT30250612 | 2.5” X 6” | 14” | 20” | | | | 14700 | 3000 | 18 |
| WT30250812 | 2.5” X 8” | 16” | 24” | | | | 14700 | 3000 | 20 |
| WT30251012 | 2.5” X 10” | 18” | 28” | | | | 14700 | 3000 | 22 |
| WT30251212 | 2.5” X 12” | 20” | 32” | | | | 14700 | 3000 | 24 |
| WT30251412 | 2.5” X 14” | 22” | 36” | | | | 14700 | 3000 | 27 |
| WT30251612 | 2.5” X 16” | 24” | 40” | | | | 14700 | 3000 | 29 |
| WT30251812 | 2.5” X 18” | 26” | 44” | | | | 14700 | 3000 | 31 |
| WT30252012 | 2.5” X 20” | 28” | 48” | | | | 14700 | 3000 | 33 |
| WT30252412 | 2.5” X 24” | 32” | 56” | | | | 14700 | 3000 | 38 |
| WT30252812 | 2.5” X 28” | 36” | 64” | | | | 11600 | 2300 | 42 |
| WT30253012 | 2.5” X 30” | 38” | 68” | | | | 10300 | 2100 | 45 |
| WT30253212 | 2.5” X 32” | 40” | 72” | | | | 9200 | 1800 | 47 |
| WT30253612 | 2.5” X 36” | 44” | 80” | | | | 7400 | 1500 | 51 |
| WT30254012 | 2.5” X 40” | 48” | 88” | | | | 6100 | 1200 | 56 |
| WT30254812 | 2.5” X 48” | 56” | 104” | | | | 4400 | 800 | 65 |
| WT30300412 | 3” X 4” | 12” | 16” | 1-1/2” | 1” | SAE 8 | 21200 | 3000 | 19 |
| WT30300612 | 3” X 6” | 14” | 20” | | | | 21200 | 3000 | 22 |
| WT30300812 | 3” X 8” | 16” | 24” | | | | 21200 | 3000 | 24 |
| WT30301012 | 3” X 10” | 18” | 28” | | | | 21200 | 3000 | 27 |
| WT30301212 | 3” X 12” | 20” | 32” | | | | 21200 | 3000 | 29 |
| WT30301412 | 3” X 14” | 22” | 36” | | | | 21200 | 3000 | 32 |
| WT30301612 | 3” X 16” | 24” | 40” | | | | 21200 | 3000 | 34 |
| WT30301812 | 3” X 18” | 26” | 44” | | | | 21200 | 3000 | 36 |
| WT30302012 | 3” X 20” | 28” | 48” | | | | 20700 | 2900 | 39 |
| WT30302412 | 3” X 24” | 32” | 56” | | | | 15200 | 2100 | 44 |
| WT30302812 | 3” X 28” | 36” | 64” | | | | 11600 | 1600 | 49 |
| WT30303012 | 3” X 30” | 38” | 68” | | | | 10300 | 1400 | 51 |
| WT30303212 | 3” X 32” | 40” | 72” | | | | 9200 | 1300 | 53 |
| WT30303612 | 3” X 36” | 44” | 80” | | | | 7400 | 1000 | 58 |
| WT30304012 | 3” X 40” | 48” | 88” | | | | 6100 | 800 | 63 |
| WT30304812 | 3” X 48” | 56” | 104” | | | | 4400 | 600 | 73 |
| WT30350414 | 3.5” X 4” | 14” | 18” | 1-3/4” | 1-1/4” | SAE 8 | 28800 | 3000 | 27 |
| WT30350614 | 3.5” X 6” | 16” | 22” | | | | 28800 | 3000 | 30 |
| WT30350814 | 3.5” X 8” | 18” | 26” | | | | 28800 | 3000 | 33 |
| WT30351014 | 3.5” X 10” | 20” | 30” | | | | 28800 | 3000 | 36 |
| WT30351214 | 3.5” X 12” | 22” | 34” | | | | 28800 | 3000 | 39 |
| WT30351414 | 3.5” X 14” | 24” | 38” | | | | 28800 | 3000 | 42 |
| WT30351614 | 3.5” X 16” | 26” | 42” | | | | 28800 | 3000 | 45 |
| WT30351814 | 3.5” X 18” | 28” | 46” | | | | 28800 | 3000 | 48 |
| WT30352014 | 3.5” X 20” | 30” | 50” | | | | 28800 | 3000 | 51 |
| WT30352414 | 3.5” X 24” | 34” | 58” | | | | 26200 | 2700 | 57 |
| WT30352814 | 3.5” X 28” | 38” | 66” | | | | 20200 | 2100 | 63 |
| WT30353014 | 3.5” X 30” | 40” | 70” | | | | 18000 | 1800 | 66 |
| WT30353214 | 3.5” X 32” | 42” | 74” | | | | 16100 | 1600 | 69 |
| WT30353614 | 3.5” X 36” | 46” | 82” | | | | 13100 | 1300 | 75 |
| WT30354014 | 3.5” X 40” | 50” | 90” | | | | 10900 | 1100 | 81 |
| WT30354814 | 3.5” X 48” | 58” | 106” | | | | 7800 | 800 | 94 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

# WELDED TEE TYPE CYLINDERS-WT.3000PSI



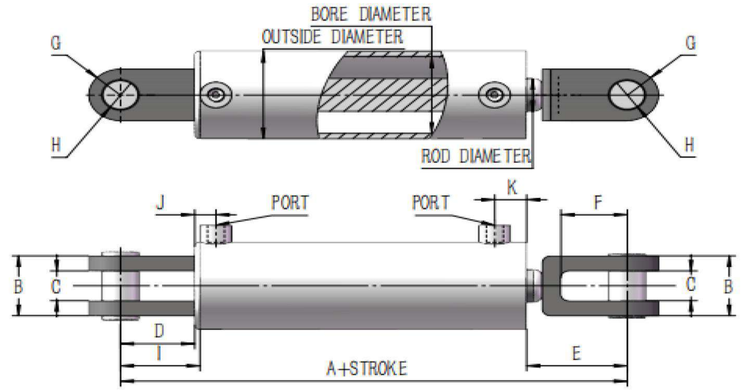
| WELDED BUSHING | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WT30400416 | 4” X 4” | 14” | 18” | | | | 37600 | 3000 | 34 |
| WT30400616 | 4” X 6” | 16” | 22” | | | | 37600 | 3000 | 38 |
| WT30400816 | 4” X 8” | 18” | 26” | | | | 37600 | 3000 | 41 |
| WT30401016 | 4” X 10” | 20” | 30” | | | | 37600 | 3000 | 45 |
| WT30401216 | 4” X 12” | 22” | 34” | | | | 37600 | 3000 | 49 |
| WT30401416 | 4” X 14” | 24” | 38” | | | | 37600 | 3000 | 52 |
| WT30401616 | 4” X 16” | 26” | 42” | | | | 37600 | 3000 | 56 |
| WT30401816 | 4” X 18” | 28” | 46” | | | | 37600 | 3000 | 59 |
| WT30402016 | 4” X 20” | 30” | 50” | 2” | 1-1/2” | SAE 8 | 37600 | 3000 | 63 |
| WT30402416 | 4” X 24” | 34” | 58” | | | | 37600 | 3000 | 70 |
| WT30402816 | 4” X 28” | 38” | 66” | | | | 34600 | 2700 | 78 |
| WT30403016 | 4” X 30” | 40” | 70” | | | | 30700 | 2400 | 81 |
| WT30403216 | 4” X 32” | 42” | 74” | | | | 27500 | 2100 | 85 |
| WT30403616 | 4” X 36” | 46” | 82” | | | | 22400 | 1700 | 92 |
| WT30404016 | 4” X 40” | 50” | 90” | | | | 18600 | 1400 | 99 |
| WT30404816 | 4” X 48” | 58” | 106” | | | | 13400 | 1000 | 114 |
| WT30500420 | 5” X 4” | 16” | 20” | | | | 58900 | 3000 | 64 |
| WT30500620 | 5” X 6” | 18” | 24” | | | | 58900 | 3000 | 69 |
| WT30500820 | 5” X 8” | 20” | 28” | | | | 58900 | 3000 | 75 |
| WT30501020 | 5” X 10” | 22” | 32” | | | | 58900 | 3000 | 80 |
| WT30501220 | 5” X 12” | 24” | 36” | | | | 58900 | 3000 | 85 |
| WT30501420 | 5” X 14” | 26” | 40” | | | | 58900 | 3000 | 90 |
| WT30501620 | 5” X 16” | 28” | 44” | | | | 58900 | 3000 | 96 |
| WT30501820 | 5” X 18” | 30” | 48” | | | | 58900 | 3000 | 101 |
| WT30502020 | 5” X 20” | 32” | 52” | 2-1/2” | 1-3/4” | SAE 12 | 58900 | 3000 | 106 |
| WT30502420 | 5” X 24” | 36” | 60” | | | | 58900 | 3000 | 116 |
| WT30502820 | 5” X 28” | 40” | 68” | | | | 58900 | 3000 | 126 |
| WT30503020 | 5” X 30” | 42” | 72” | | | | 58900 | 3000 | 131 |
| WT30503220 | 5” X 32” | 44” | 76” | | | | 58900 | 3000 | 136 |
| WT30503620 | 5” X 36” | 48” | 84” | | | | 52100 | 2600 | 147 |
| WT30504020 | 5” X 40” | 52” | 92” | | | | 43400 | 2200 | 157 |
| WT30504820 | 5” X 48” | 60” | 108” | | | | 31500 | 1600 | 177 |

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



# WELDED CLEVIS TYPE CYLINERS-WC.3000PSI




| PART NUMBER | CYLINDER BORE | OUTSIDE DIAMETER | ROD DIAMETER | *A | B | C | D | *E | F | G | H | I | J | K | PORTS* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WC3015XX | 1.50” | 1.875” | 1.00” | 8.25” | 1.62” | 0.87” | 1.37” | 2.25” | 1.37” | 1.50” | 0.76” | - | 0.93’’ | 1.87’’ | SAE 4 |
| WC3020XX | 2.00” | 2.375” | 1.25” | 10.25” | 2.12” | 1.12” | 2.12” | 3.12” | 2.12” | 2.00” | 1.01” | - | 1.00’’ | 2.06’’ | SAE6 |
| WC3025XX | 2.50” | 2.875” | 1.50” | 10.25” | 2.12” | 1.12” | 2.12” | 3.12” | 2.12” | 2.00” | 1.01” | - | 0.81’’ | 2.18’’ | SAE 8 |
| WC3030XX | 3.00” | 3.50” | 1.50” | 10.25” | 2.12” | 1.12” | 2.12” | 3.12” | 2.12” | 2.00” | 1.01” | - | 0.81’’ | 2.18’’ | SAE 8 |
| WC3035XX | 3.50” | 4.00” | 1.75” | 10.25” | 2.37” | 1.12” | 2.00” | 3.12” | 2.12” | 2.00” | 1.01” | 2.12” | 0.93’’ | 2.18’’ | SAE 8 |
| WC3040XX | 4.00” | 4.50” | 2.00” | 10.25” | 2.37” | 1.12” | 1.75” | 3.12” | 2.00” | 2.00” | 1.01” | 2.00” | 1.06’’ | 2.18’’ | SAE 8 |
| WC3050XX | 5.00” | 5.50” | 2.50” | 13.00” | 3.12” | 1.62” | 2.25” | 3.62” | 2.25” | 3.00” | 1.51” | - | 1.37’’ | 2.75’’ | SAE 12 |

1. FOR 8" STROKE : A = 12.25" (2" TO 4" BORE)
2. FOR 8" STROKE : E = 5.12" (2" TO 4" BORE)

* NPT PORTS ARE ALSO AVAILABLE FROM 1.5" TO 4" BORE CYLINDERS

MAXIMUM RETRACTED WORKING PRESSURE : 3000psi
MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE RETRACTED AND STROKE TOLERANCE ± 1/8"

| WELDED FEMALE CLEVIS TYPE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WC30150408 | 1.5” X 4” | 12-1/4” | 16-1/4” | | | | 5300 | 3000 | 8 |
| WC30150608 | 1.5” X 6” | 14-1/4” | 20-1/4” | | | | 5300 | 3000 | 9 |
| WC30150808 | 1.5” X 8” | 16-1/4” | 24-1/4” | | | | 5300 | 3000 | 11 |
| WC30151008 | 1.5” X 10” | 18-1/4” | 28-1/4” | | | | 5300 | 3000 | 12 |
| WC30151208 | 1.5” X 12” | 20-1/4” | 32-1/4” | | | | 5300 | 3000 | 13 |
| WC30151408 | 1.5” X 14” | 22-1/4” | 36-1/4” | 1” | 3/4” | SAE 4 | 5300 | 3000 | 14 |
| WC30151608 | 1.5” X 16” | 24-1/4” | 40-1/4” | | | | 5300 | 3000 | 15 |
| WC30151808 | 1.5” X 18” | 26-1/4” | 44-1/4” | | | | 4800 | 2700 | 17 |
| WC30152008 | 1.5” X 20” | 28-1/4” | 48-1/4” | | | | 4000 | 2200 | 18 |
| WC30152408 | 1.5” X 24” | 32-1/4” | 56-1/4” | | | | 2900 | 1600 | 20 |
| WC30200410 | 2” X 4” | 14-1/4” | 18-1/4” | | | | 9400 | 3000 | 14 |
| WC30200610 | 2” X 6” | 16-1/4” | 22-1/4” | | | | 9400 | 3000 | 16 |
| WC30200810 | 2” X 8” | 20-1/4” | 28-1/4” | | | | 9400 | 3000 | 18 |
| WC30201010 | 2” X 10” | 20-1/4” | 30-1/4” | | | | 9400 | 3000 | 19 |
| WC30201210 | 2” X 12” | 22-1/4” | 34-1/4” | | | | 9400 | 3000 | 21 |
| WC30201410 | 2” X 14” | 24-1/4” | 38-1/4” | | | | 9400 | 3000 | 23 |
| WC30201610 | 2” X 16” | 26-1/4” | 42-1/4” | | | | 9400 | 3000 | 25 |
| WC30201810 | 2” X 18” | 28-1/4” | 46-1/4” | | | | 9400 | 3000 | 26 |
| WC30202010 | 2” X 20” | 30-1/4” | 50-1/4” | 1-1/4” | 1” | SAE 6 | 9100 | 2900 | 28 |
| WC30202410 | 2” X 24” | 34-1/4” | 58-1/4” | | | | 6700 | 2100 | 31 |
| WC30202810 | 2” X 28” | 38-1/4” | 66-1/4” | | | | 5200 | 1600 | 35 |
| WC30203010 | 2” X 30” | 40-1/4” | 70-1/4” | | | | 4600 | 1400 | 36 |
| WC30203210 | 2” X 32” | 42-1/4” | 74-1/4” | | | | 4100 | 1300 | 38 |
| WC30203410 | 2” X 34” | 44-1/4” | 78-1/4” | | | | 3700 | 1100 | 40 |
| WC30203610 | 2” X 36” | 46-1/4” | 82-1/4” | | | | 3400 | 1000 | 42 |
| WC30204010 | 2” X 40” | 50-1/4” | 90-1/4” | | | | 2800 | 800 | 45 |
| WC30204810 | 2” X 48” | 58-1/4” | 106-1/4” | | | | 2000 | 600 | 52 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

# WELDED CLEVIS TYPE CYLINERS-WC.3000PSI



| WELDED FEMALE CLEVIS TYPE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WC30250412 | 2.5" X 4" | 14-1/4" | 18-1/4" | | | | 14700 | 3000 | 18 |
| WC30250612 | 2.5" X 6" | 16-1/4" | 22-1/4" | | | | 14700 | 3000 | 20 |
| WC30250812 | 2.5" X 8" | 20-1/4" | 28-1/4" | | | | 14700 | 3000 | 24 |
| WC30251012 | 2.5" X 10" | 20-1/4" | 30-1/4" | | | | 14700 | 3000 | 25 |
| WC30251212 | 2.5" X 12" | 22-1/4" | 34-1/4" | | | | 14700 | 3000 | 27 |
| WC30251412 | 2.5" X 14" | 24-1/4" | 38-1/4" | | | | 14700 | 3000 | 29 |
| WC30251612 | 2.5" X 16" | 26-1/4" | 42-1/4" | | | | 14700 | 3000 | 32 |
| WC30251812 | 2.5" X 18" | 28-1/4" | 46-1/4" | | | | 14700 | 3000 | 34 |
| WC30252012 | 2.5" X 20" | 30-1/4" | 50-1/4" | 1-1/2" | 1" | SAE 8 | 14700 | 3000 | 36 |
| WC30252412 | 2.5" X 24" | 34-1/4" | 58-1/4" | | | | 14000 | 2800 | 40 |
| WC30252812 | 2.5" X 28" | 38-1/4" | 66-1/4" | | | | 10800 | 2200 | 45 |
| WC30253012 | 2.5" X 30" | 40-1/4" | 70-1/4" | | | | 9600 | 1900 | 47 |
| WC30253212 | 2.5" X 32" | 42-1/4" | 74-1/4" | | | | 8600 | 1700 | 49 |
| WC30253412 | 2.5" X 34" | 44-1/4" | 78-1/4" | | | | 7700 | 1500 | 52 |
| WC30253612 | 2.5" X 36" | 46-1/4" | 82-1/4" | | | | 7000 | 1400 | 54 |
| WC30254012 | 2.5" X 40" | 50-1/4" | 90-1/4" | | | | 5800 | 1100 | 58 |
| WC30254812 | 2.5" X 48" | 58-1/4" | 106-1/4" | | | | 4200 | 800 | 67 |
| WC30300412 | 3" X 4" | 14-1/4" | 18-1/4" | | | | 21200 | 3000 | 22 |
| WC30300612 | 3" X 6" | 16-1/4" | 22-1/4" | | | | 21200 | 3000 | 24 |
| WC30300812 | 3" X 8" | 20-1/4" | 28-1/4" | | | | 21200 | 3000 | 27 |
| WC30301012 | 3" X 10" | 20-1/4" | 30-1/4" | | | | 21200 | 3000 | 29 |
| WC30301212 | 3" X 12" | 22-1/4" | 34-1/4" | | | | 21200 | 3000 | 31 |
| WC30301412 | 3" X 14" | 24-1/4" | 38-1/4" | | | | 21200 | 3000 | 34 |
| WC30301612 | 3" X 16" | 26-1/4" | 42-1/4" | | | | 21200 | 3000 | 36 |
| WC30301812 | 3" X 18" | 28-1/4" | 46-1/4" | 1-1/2" | 1" | SAE 8 | 21200 | 3000 | 39 |
| WC30302012 | 3" X 20" | 30-1/4" | 50-1/4" | | | | 18800 | 2600 | 41 |
| WC30302412 | 3" X 24" | 34-1/4" | 58-1/4" | | | | 14000 | 1900 | 46 |
| WC30302812 | 3" X 28" | 38-1/4" | 66-1/4" | | | | 10800 | 1500 | 51 |
| WC30303012 | 3" X 30" | 40-1/4" | 70-1/4" | | | | 9600 | 1300 | 53 |
| WC30303212 | 3" X 32" | 42-1/4" | 74-1/4" | | | | 8600 | 1200 | 56 |
| WC30303412 | 3" X 34" | 44-1/4" | 78-1/4" | | | | 7700 | 1100 | 58 |
| WC30303612 | 3" X 36" | 46-1/4" | 82-1/4" | | | | 7000 | 900 | 61 |
| WC30350414 | 3.5" X 4" | 14-1/4" | 18-1/4" | | | | 28800 | 3000 | 27 |
| WC30350614 | 3.5" X 6" | 16-1/4" | 22-1/4" | | | | 28800 | 3000 | 30 |
| WC30350814 | 3.5" X 8" | 20-1/4" | 28-1/4" | | | | 28800 | 3000 | 35 |
| WC30351014 | 3.5" X 10" | 20-1/4" | 30-1/4" | | | | 28800 | 3000 | 36 |
| WC30351214 | 3.5" X 12" | 22-1/4" | 34-1/4" | | | | 28800 | 3000 | 39 |
| WC30351414 | 3.5" X 14" | 24-1/4" | 38-1/4" | | | | 28800 | 3000 | 42 |
| WC30351614 | 3.5" X 16" | 26-1/4" | 42-1/4" | | | | 28800 | 3000 | 46 |
| WC30351814 | 3.5" X 18" | 28-1/4" | 46-1/4" | 1-3/4" | 1" | SAE 8 | 28800 | 3000 | 49 |
| WC30352014 | 3.5" X 20" | 30-1/4" | 50-1/4" | | | | 28800 | 3000 | 52 |
| WC30352414 | 3.5" X 24" | 34-1/4" | 58-1/4" | | | | 26000 | 2700 | 58 |
| WC30352814 | 3.5" X 28" | 38-1/4" | 66-1/4" | | | | 20100 | 2000 | 64 |
| WC30353014 | 3.5" X 30" | 40-1/4" | 70-1/4" | | | | 17900 | 1800 | 67 |
| WC30353214 | 3.5" X 32" | 42-1/4" | 74-1/4" | | | | 16000 | 1600 | 70 |
| WC30353414 | 3.5" X 34" | 44-1/4" | 78-1/4" | | | | 14400 | 1500 | 73 |
| WC30353614 | 3.5" X 36" | 46-1/4" | 82-1/4" | | | | 13000 | 1300 | 76 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

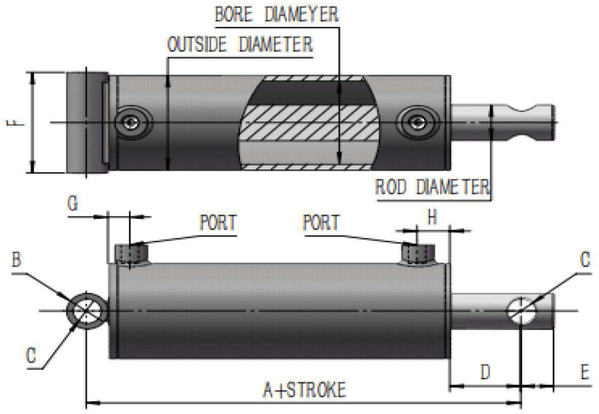


WELDED CLEVIS TYPE CYLINERS-WC.3000PSI



| WELDED FEMALE CLEVIS TYPE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (lbs) | PRESSURE (psi) | WEIGHT (lbs) |
| | | RETRACTED | EXTENDED | | | | | | |
| WC30400416 | 4" X 4" | 14-1/4" | 18-1/4" | | | | 37600 | 3000 | 33 |
| WC30400616 | 4" X 6" | 16-1/4" | 22-1/4" | | | | 37600 | 3000 | 37 |
| WC30400816 | 4" X 8" | 20-1/4" | 28-1/4" | | | | 37600 | 3000 | 42 |
| WC30401016 | 4" X 10" | 20-1/4" | 30-1/4" | | | | 37600 | 3000 | 44 |
| WC30401216 | 4" X 12" | 22-1/4" | 34-1/4" | | | | 37600 | 3000 | 48 |
| WC30401416 | 4" X 14" | 24-1/4" | 38-1/4" | | | | 37600 | 3000 | 52 |
| WC30401616 | 4" X 16" | 26-1/4" | 42-1/4" | | | | 37600 | 3000 | 55 |
| WC30401816 | 4" X 18" | 28-1/4" | 46-1/4" | 2" | 1" | SAE 8 | 37600 | 3000 | 59 |
| WC30402016 | 4" X 20" | 30-1/4" | 50-1/4" | | | | 37600 | 3000 | 63 |
| WC30402416 | 4" X 24" | 34-1/4" | 58-1/4" | | | | 37600 | 3000 | 70 |
| WC30402816 | 4" X 28" | 38-1/4" | 66-1/4" | | | | 34300 | 2700 | 77 |
| WC30403016 | 4" X 30" | 40-1/4" | 70-1/4" | | | | 30500 | 2400 | 81 |
| WC30403216 | 4" X 32" | 42-1/4" | 74-1/4" | | | | 27300 | 2100 | 85 |
| WC30403416 | 4" X 34" | 44-1/4" | 78-1/4" | | | | 24600 | 1900 | 89 |
| WC30403616 | 4" X 36" | 46-1/4" | 82-1/4" | | | | 22200 | 1700 | 92 |
| WC30500420 | 5" X 4" | 17" | 21" | | | | 58900 | 3000 | 64 |
| WC30500620 | 5" X 6" | 19" | 25" | | | | 58900 | 3000 | 69 |
| WC30500820 | 5" X 8" | 21" | 29" | | | | 58900 | 3000 | 74 |
| WC30501020 | 5" X 10" | 23" | 33" | | | | 58900 | 3000 | 79 |
| WC30501220 | 5" X 12" | 25" | 37" | | | | 58900 | 3000 | 84 |
| WC30501420 | 5" X 14" | 27" | 41" | | | | 58900 | 3000 | 89 |
| WC30501620 | 5" X 16" | 29" | 45" | | | | 58900 | 3000 | 95 |
| WC30501820 | 5" X 18" | 31" | 49" | | | | 58900 | 3000 | 100 |
| WC30502020 | 5" X 20" | 33" | 53" | 2-1/2" | 1-1/2" | SAE 12 | 58900 | 3000 | 105 |
| WC30502420 | 5" X 24" | 37" | 61" | | | | 58900 | 3000 | 115 |
| WC30502820 | 5" X 28" | 41" | 69" | | | | 58900 | 3000 | 125 |
| WC30503020 | 5" X 30" | 43" | 73" | | | | 58900 | 3000 | 130 |
| WC30503220 | 5" X 32" | 45" | 77" | | | | 58900 | 3000 | 135 |
| WC30503420 | 5" X 34" | 47" | 81" | | | | 56100 | 2800 | 141 |
| WC30503620 | 5" X 36" | 49" | 85" | | | | 50900 | 2500 | 146 |
| WC30504020 | 5" X 40" | 53" | 93" | | | | 42500 | 2100 | 156 |
| WC30504820 | 5" X 48" | 61" | 109" | | | | 30900 | 1500 | 176 |

# WELDED THROUGH HOLE TYPE CYLINDERS-WP.3000PSI




| PART NUMBER | CYLINDER BORE | OUTSIDE DIAMETER | ROD DIAMETER | A | B | C | D | E | F | G | H | PORTS* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WP3015XX | 1.50” | 1.875” | 1.00” | 7.00” | 1.25” | 0.64” | 2.43” | 0.62” | 2.00” | 0.81” | 1.87” | SAE 6 |
| WP3020XX | 2.00” | 2.375” | 1.25” | 8.00” | 1.25” | 0.76” | 3.37” | 0.75” | 2.50” | 0.81” | 1.87” | SAE 8 |
| WP3025XX | 2.50” | 2.875” | 1.37” | 8.00” | 1.25” | 0.76” | 3.12” | 0.75” | 3.00” | 0.81” | 2.06” | SAE 8 |
| WP3030XX | 3.00” | 3.50” | 1.50” | 8.00” | 1.50” | 1.01” | 2.56” | 1.00” | 3.50” | 0.81” | 2.18” | SAE 8 |
| WP3035XX | 3.50” | 4.00” | 1.75” | 8.00” | 1.50” | 1.01” | 2.43” | 1.00” | 4.00” | 0.81” | 2.18” | SAE 8 |
| WP3040XX | 4.00” | 4.50” | 2.00” | 9.00” | 2.00” | 1.26” | 2.43” | 1.25” | 4.50” | 0.81” | 2.18” | SAE 8 |

1. FOR 8” STROKE : A = 12.25” (2” TO 4” BORE
2. FOR 8” STROKE : E = 5.12” (2” TO 4” BORE) MAXIMUM RETRACTED WORKING PRESSURE : 3000 PSI

*NPT PORTS ARE ALSO AVAIBLE
MAXIMUM RETRACTED WORKING PRESSURE : 3000 psi MAXIMUM EXTENDED WORKING PRESSURE :
TABLE RETRACTED AND STROKE TOLERANCE ± 1/8”

**WELDED THROUGH HOLE TYPE**

| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|
| | | RETRACTED | EXTENDED | | | | | | |
| WP30150408 | 1.5” X 4” | 11” | 15” | 1” | 5/8” | SAE 6 | 5300 | 3000 | 7 |
| WP30150608 | 1.5” X 6” | 13” | 19” | | | | 5300 | 3000 | 8 |
| WP30150808 | 1.5” X 8” | 15” | 23” | | | | 5300 | 3000 | 9 |
| WP30151008 | 1.5” X 10” | 17” | 27” | | | | 5300 | 3000 | 11 |
| WP30151208 | 1.5” X 12” | 19” | 31” | | | | 5300 | 3000 | 12 |
| WP30151408 | 1.5” X 14” | 21” | 35” | | | | 5300 | 3000 | 13 |
| WP30151608 | 1.5” X 16” | 23” | 39” | | | | 5300 | 3000 | 14 |
| WP30200410 | 2” X 4” | 12” | 16” | 1-1/4” | 3/4” | SAE 8 | 9400 | 3000 | 11 |
| WP30200610 | 2” X 6” | 14” | 20” | | | | 9400 | 3000 | 12 |
| WP30200810 | 2” X 8” | 16” | 24” | | | | 9400 | 3000 | 14 |
| WP30201010 | 2” X 10” | 18” | 28” | | | | 9400 | 3000 | 16 |
| WP30201210 | 2” X 12” | 20” | 32” | | | | 9400 | 3000 | 17 |
| WP30201410 | 2” X 14” | 22” | 36” | | | | 9400 | 3000 | 19 |
| WP30201610 | 2” X 16” | 24” | 40” | | | | 9400 | 3000 | 21 |
| WP30201810 | 2” X 18” | 26” | 44” | | | | 9400 | 3000 | 22 |
| WP30202010 | 2” X 20” | 28” | 48” | | | | 9400 | 3000 | 24 |
| WP30202410 | 2” X 24” | 32” | 56” | | | | 7300 | 2300 | 27 |
| WP30202810 | 2” X 28” | 36” | 64” | | | | 5600 | 1700 | 31 |
| WP30203010 | 2” X 30” | 38” | 68” | | | | 4900 | 1500 | 33 |
| WP30203210 | 2” X 32” | 40” | 72” | | | | 4400 | 1400 | 34 |
| WP30203610 | 2” X 36” | 44” | 80” | | | | 3500 | 1100 | 38 |
| WP30204010 | 2” X 40” | 48” | 88” | | | | 2900 | 900 | 41 |
| WP30204210 | 2” X 42” | 50” | 92” | | | | 2700 | 800 | 43 |
| WP30204810 | 2” X 48” | 56” | 104” | | | | 2100 | 600 | 48 |
| WP30206010 | 2” X 60” | 68” | 128” | | | | 1400 | 400 | 58 |
| WP30207210 | 2” X 72” | 80” | 152” | | | | 900 | 300 | 68 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



# WELDED THROUGH HOLE TYPE CYLINDERS-WP.3000PSI



**WELDED THROUGH HOLE TYPE**

| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|
| | | RETRACTED | EXTENDED | | | | | | |
| WP30250411 | 2.5” X 4” | 12” | 16” | 1-3/8” | 3/4” | SAE 8 | 14700 | 3000 | 14 |
| WP30250611 | 2.5” X 6” | 14” | 20” | | | | 14700 | 3000 | 16 |
| WP30250811 | 2.5” X 8” | 16” | 24” | | | | 14700 | 3000 | 18 |
| WP30251011 | 2.5” X 10” | 18” | 28” | | | | 14700 | 3000 | 20 |
| WP30251211 | 2.5” X 12” | 20” | 32” | | | | 14700 | 3000 | 22 |
| WP30251411 | 2.5” X 14” | 22” | 36” | | | | 14700 | 3000 | 24 |
| WP30251611 | 2.5” X 16” | 24” | 40” | | | | 14700 | 3000 | 26 |
| WP30251811 | 2.5” X 18” | 26” | 44” | | | | 14700 | 3000 | 28 |
| WP30252011 | 2.5” X 20” | 28” | 48” | | | | 14600 | 2900 | 30 |
| WP30252411 | 2.5” X 24” | 32” | 56” | | | | 10700 | 2100 | 35 |
| WP30252811 | 2.5” X 28” | 36” | 64” | | | | 8200 | 1600 | 39 |
| WP30253011 | 2.5” X 30” | 38” | 68” | | | | 7200 | 1400 | 41 |
| WP30253211 | 2.5” X 32” | 40” | 72” | | | | 6500 | 1300 | 43 |
| WP30253611 | 2.5” X 36” | 44” | 80” | | | | 5200 | 1000 | 47 |
| WP30254011 | 2.5” X 40” | 48” | 88” | | | | 4300 | 800 | 51 |
| WP30254211 | 2.5” X 42” | 50” | 92” | | | | 3900 | 800 | 53 |
| WP30254811 | 2.5” X 48” | 56” | 104” | | | | 3100 | 600 | 60 |
| WP30256011 | 2.5” X 60” | 68” | 128” | | | | 2000 | 400 | 72 |
| WP30300612 | 3” X 6” | 14” | 20” | 1-1/2” | 1” | SAE 8 | 21200 | 3000 | 21 |
| WP30300812 | 3” X 8” | 16” | 24” | | | | 21200 | 3000 | 24 |
| WP30301012 | 3” X 10” | 18” | 28” | | | | 21200 | 3000 | 26 |
| WP30301212 | 3” X 12” | 20” | 32” | | | | 21200 | 3000 | 28 |
| WP30301412 | 3” X 14” | 22” | 36” | | | | 21200 | 3000 | 31 |
| WP30301612 | 3” X 16” | 24” | 40” | | | | 21200 | 3000 | 33 |
| WP30301812 | 3” X 18” | 26” | 44” | | | | 21200 | 3000 | 36 |
| WP30302012 | 3” X 20” | 28” | 48” | | | | 20700 | 2900 | 38 |
| WP30302412 | 3” X 24” | 32” | 56” | | | | 15200 | 2100 | 43 |
| WP30302812 | 3” X 28” | 36” | 64” | | | | 11600 | 1600 | 48 |
| WP30303012 | 3” X 30” | 38” | 68” | | | | 10300 | 1400 | 51 |
| WP30303212 | 3” X 32” | 40” | 72” | | | | 9200 | 1300 | 53 |
| WP30303612 | 3” X 36” | 44” | 80” | | | | 7400 | 1000 | 58 |
| WP30304012 | 3” X 40” | 48” | 88” | | | | 6100 | 800 | 63 |
| WP30304212 | 3” X 42” | 50” | 92” | | | | 5600 | 700 | 65 |
| WP30304812 | 3” X 48” | 56” | 104” | | | | 4400 | 600 | 73 |
| WP30306012 | 3” X 60” | 68” | 128” | | | | 2900 | 400 | 87 |

* NPT PORTS ARE ALSO AVAILABLE.
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# WELDED THROUGH HOLE TYPE CYLINDERS-WP.3000PSI

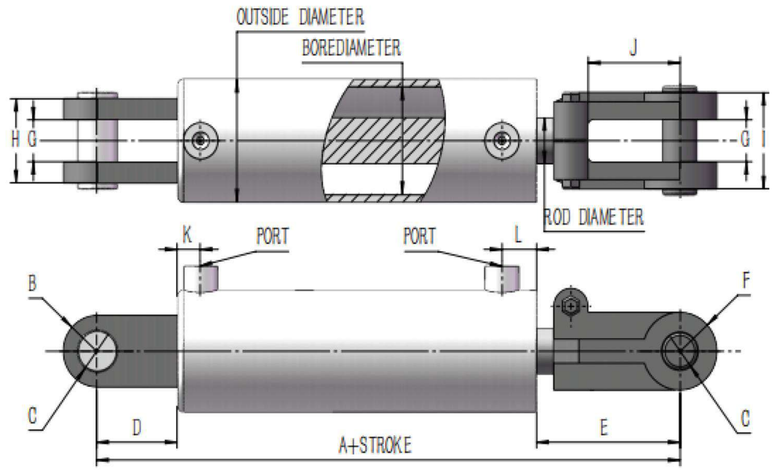


| WELDED THROUGH HOLE TYPE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOADS (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WP30350414 | 3.5" X 4" | 12" | 16" | | | | 28800 | 3000 | 24 |
| WP30350614 | 3.5" X 6" | 14" | 20" | | | | 28800 | 3000 | 27 |
| WP30350814 | 3.5" X 8" | 16" | 24" | | | | 28800 | 3000 | 30 |
| WP30351014 | 3.5" X 10" | 18" | 28" | | | | 28800 | 3000 | 33 |
| WP30351214 | 3.5" X 12" | 20" | 32" | | | | 28800 | 3000 | 36 |
| WP30351414 | 3.5" X 14" | 22" | 36" | | | | 28800 | 3000 | 39 |
| WP30351614 | 3.5" X 16" | 24" | 40" | | | | 28800 | 3000 | 42 |
| WP30351814 | 3.5" X 18" | 26" | 44" | | | | 28800 | 3000 | 45 |
| WP30352014 | 3.5" X 20" | 28" | 48" | 1-3/4" | 1" | SAE 8 | 28800 | 3000 | 48 |
| WP30352414 | 3.5" X 24" | 32" | 56" | | | | 28100 | 2900 | 54 |
| WP30352814 | 3.5" X 28" | 36" | 64" | | | | 21500 | 2200 | 60 |
| WP30353014 | 3.5" X 30" | 38" | 68" | | | | 19100 | 1900 | 63 |
| WP30353214 | 3.5" X 32" | 40" | 72" | | | | 17000 | 1700 | 66 |
| WP30353614 | 3.5" X 36" | 44" | 80" | | | | 13800 | 1400 | 72 |
| WP30354014 | 3.5" X 40" | 48" | 88" | | | | 11400 | 1100 | 79 |
| WP30354214 | 3.5" X 42" | 50" | 92" | | | | 10400 | 1000 | 82 |
| WP30354814 | 3.5" X 48" | 56" | 104" | | | | 8100 | 800 | 91 |
| WP30400816 | 4" X 8" | 17" | 25" | | | | 37700 | 3000 | 40 |
| WP30401016 | 4" X 10" | 19" | 29" | | | | 37700 | 3000 | 44 |
| WP30401216 | 4" X 12" | 21" | 33" | | | | 37700 | 3000 | 47 |
| WP30401416 | 4" X 14" | 23" | 37" | | | | 37700 | 3000 | 51 |
| WP30401616 | 4" X 16" | 25" | 41" | | | | 37700 | 3000 | 55 |
| WP30401816 | 4" X 18" | 27" | 45" | | | | 37700 | 3000 | 58 |
| WP30402016 | 4" X 20" | 29" | 49" | | | | 37700 | 3000 | 62 |
| WP30402416 | 4" X 24" | 33" | 57" | 2" | 1-1/4" | SAE 8 | 37700 | 3000 | 70 |
| WP30402816 | 4" X 28" | 37" | 65" | | | | 35600 | 2800 | 77 |
| WP30403016 | 4" X 30" | 39" | 69" | | | | 31600 | 2500 | 81 |
| WP30403216 | 4" X 32" | 41" | 73" | | | | 28300 | 2200 | 84 |
| WP30403616 | 4" X 36" | 45" | 81" | | | | 22900 | 1800 | 91 |
| WP30404016 | 4" X 40" | 49" | 89" | | | | 19000 | 1500 | 99 |
| WP30404816 | 4" X 48" | 57" | 105" | | | | 13600 | 1000 | 114 |
| WP30406016 | 4" X 60" | 69" | 129" | | | | 9000 | 700 | 136 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



# ADJUSTABLE CLEVIS TYPE CYLINDERS-WC.3000PSI




| PART NUMBER | CYLINDER BORE | OUTSIDE DIAMETER | ROD DIAMETER | ROD THREAD | *A | B | C | D | *E | F | G | H | I | J | K | L | PORT* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WAC3015XX | 1.50" | 1.875" | 1.00" | 0.875-14 UNF | 10.25" | 1.50" | 0.76" | 1.62" | 4.50" | 1.62" | 0.87" | 2.44" | 2.00" | 1.62" | 0.93" | 1.87" | SAE 6 |
| WAC3020XX | 2.00" | 2.375" | 1.12" | 1.125-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 3.62" | 2.00" | 1.14" | 2.44" | 2.50" | 2.12" | 0.81" | 2.06" | SAE 8 |
| WAC3025XX | 2.50" | 2.875" | 1.25" | 1.125-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 3.62" | 2.00" | 1.14" | 2.72" | 2.72" | 2.12" | 0.81" | 2.06" | SAE 8 |
| WAC3030XX | 3.00" | 3.50" | 1.50" | 1.250-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 3.62" | 2.00" | 1.14" | 2.72" | 2.72" | 2.12" | 0.87" | 2.18" | SAE 8 |
| WAC3035XX | 3.50" | 4.00" | 1.75" | 1.500-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 3.62" | 2.00" | 1.14" | 2.72" | 2.72" | 2.12" | 0.93" | 2.18" | SAE 8 |
| WAC3040XX | 4.00" | 4.50" | 2.00" | 1.500-12 UNF | 10.25" | 2.00" | 1.01" | 2.12" | 3.62" | 2.00" | 1.14" | 2.72" | 2.95" | 2.12" | 1.00" | 2.18" | SAE 8 |

1. FOR 8.00" STROKE : A = 12.25"
2. FOR 8.00" STROKE : E = 6.50" (1.50" BORE) E = 5.62" (2.00" TO 4.00" BORE)
DIMENSIONS A AND E ARE FOR REFERENCES ONLY AS CLEVIS IS ADJUSTABLE
* NPT PORTS ARE ALSO AVAILABLE
MAXIMUM RETRACTED WORKING PRESSURE : 3000 PSI
MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE
RETRACTED AND STROKE TOLERANCE ± 1/8"

# ADJUSTABLE CLEVIS TYPE CYLINDERS-WC.3000PSI



| ADJUSTABLE CLEVIS TYPE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WAC30150408 | 1.5" X 4" | 14-1/4" | 18-1/4" | 1" | 3/4" | SAE 6 | 5300 | 3000 | 10 |
| WAC30150608 | 1.5" X 6" | 16-1/4" | 22-1/4" | | | | 5300 | 3000 | 11 |
| WAC30150808 | 1.5" X 8" | 18-1/4" | 26-1/4" | | | | 5300 | 3000 | 12 |
| WAC301508-ASAE | 1.5" X 8" | 20-1/4" | 28-1/4" | | | | 5300 | 3000 | 13 |
| WAC30151008 | 1.5" X 10" | 20-1/4" | 30-1/4" | | | | 5300 | 3000 | 13 |
| WAC30151208 | 1.5" X 12" | 22-1/4" | 34-1/4" | | | | 5300 | 3000 | 15 |
| WAC30151408 | 1.5" X 14" | 24-1/4" | 38-1/4" | | | | 5300 | 3000 | 16 |
| WAC30151608 | 1.5" X 16" | 26-1/4" | 42-1/4" | | | | 5200 | 2900 | 17 |
| WAC30151808 | 1.5" X 18" | 28-1/4" | 46-1/4" | | | | 4400 | 2400 | 18 |
| WAC30152008 | 1.5" X 20" | 30-1/4" | 50-1/4" | | | | 3700 | 2100 | 20 |
| WAC30152408 | 1.5" X 24" | 34-1/4" | 58-1/4" | | | | 2700 | 1500 | 22 |
| WAC30152808 | 1.5" X 28" | 38-1/4" | 66-1/4" | | | | 2100 | 1200 | 25 |
| WAC30153008 | 1.5" X 30" | 40-1/4" | 70-1/4" | | | | 1900 | 1000 | 26 |
| WAC30153208 | 1.5" X 32" | 42-1/4" | 74-1/4" | | | | 1700 | 900 | 27 |
| WAC30153408 | 1.5" X 34" | 44-1/4" | 78-1/4" | | | | 1500 | 800 | 28 |
| WAC30153608 | 1.5" X 36" | 46-1/4" | 82-1/4" | | | | 1300 | 700 | 29 |
| WAC30200409 | 2" X 4" | 14-1/4" | 18-1/4" | 1-1/8" | 1" | SAE 8 | 9400 | 3000 | 16 |
| WAC30200609 | 2" X 6" | 16-1/4" | 22-1/4" | | | | 9400 | 3000 | 17 |
| WAC30200809 | 2" X 8" | 18-1/4" | 26-1/4" | | | | 9400 | 3000 | 19 |
| WAC302008-ASAE | 2" X 8" | 20-1/4" | 28-1/4" | | | | 9400 | 3000 | 19 |
| WAC30201009 | 2" X 10" | 20-1/4" | 30-1/4" | | | | 9400 | 3000 | 20 |
| WAC30201209 | 2" X 12" | 22-1/4" | 34-1/4" | | | | 9400 | 3000 | 22 |
| WAC30201409 | 2" X 14" | 24-1/4" | 38-1/4" | | | | 9400 | 3000 | 23 |
| WAC30201609 | 2" X 16" | 26-1/4" | 42-1/4" | | | | 8400 | 2600 | 25 |
| WAC30201809 | 2" X 18" | 28-1/4" | 46-1/4" | | | | 7000 | 2200 | 27 |
| WAC30202009 | 2" X 20" | 30-1/4" | 50-1/4" | | | | 5900 | 1900 | 28 |
| WAC30202409 | 2" X 24" | 34-1/4" | 58-1/4" | | | | 4400 | 1400 | 31 |
| WAC30203009 | 2" X 30" | 40-1/4" | 70-1/4" | | | | 3000 | 900 | 36 |
| WAC30203609 | 2" X 36" | 46-1/4" | 82-1/4" | | | | 2200 | 700 | 41 |
| WAC30250410 | 2.5" X 4" | 14-1/4" | 18-1/4" | 1-1/4" | 1" | SAE 8 | 14700 | 3000 | 19 |
| WAC30250610 | 2.5" X 6" | 16-1/4" | 22-1/4" | | | | 14700 | 3000 | 20 |
| WAC30250810 | 2.5" X 8" | 18-1/4" | 26-1/4" | | | | 14700 | 3000 | 22 |
| WAC302508-ASAE | 2.5" X 8" | 20-1/4" | 28-1/4" | | | | 14700 | 3000 | 23 |
| WAC30251010 | 2.5" X 10" | 20-1/4" | 30-1/4" | | | | 14700 | 3000 | 24 |
| WAC30251210 | 2.5" X 12" | 22-1/4" | 34-1/4" | | | | 14700 | 3000 | 26 |
| WAC30251410 | 2.5" X 14" | 24-1/4" | 38-1/4" | | | | 14700 | 3000 | 28 |
| WAC30251610 | 2.5" X 16" | 26-1/4" | 42-1/4" | | | | 12800 | 2600 | 30 |
| WAC30251810 | 2.5" X 18" | 28-1/4" | 46-1/4" | | | | 10700 | 2100 | 32 |
| WAC30252010 | 2.5" X 20" | 30-1/4" | 50-1/4" | | | | 9100 | 1800 | 34 |
| WAC30252410 | 2.5" X 24" | 34-1/4" | 58-1/4" | | | | 6700 | 1300 | 38 |
| WAC30253010 | 2.5" X 30" | 40-1/4" | 70-1/4" | | | | 4600 | 900 | 44 |
| WAC30253610 | 2.5" X 36" | 46-1/4" | 82-1/4" | | | | 3400 | 600 | 49 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

* ASAE = AMERICAN SOCIETY OF AGRICULTURE ENGINEERS
DESIGNATES AN INDUSTRY MOUNTING STANDARD FOR 8" AND 16" STROKE CYLINDERS



# ADJUSTABLE CLEVIS TYPE CYLINDERS-WC.3000PSI

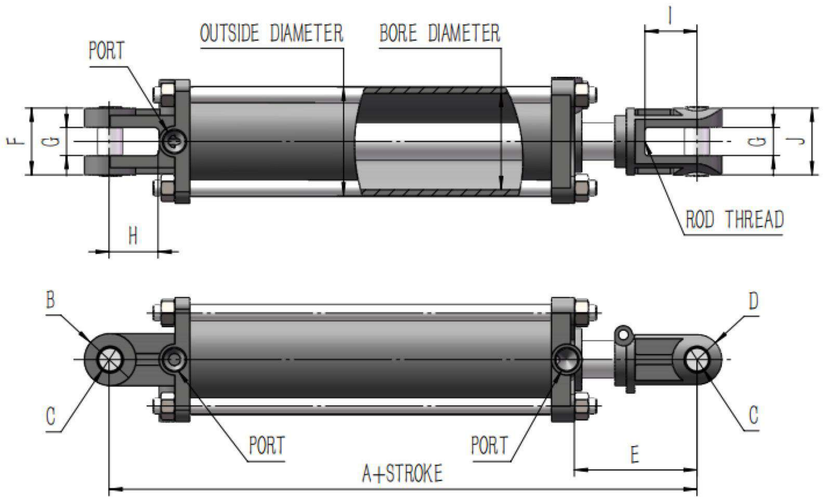


| ADJUSTABLE CLEVIS TYPE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS* | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| WAC30300412 | 3" X 4" | 14-1/4" | 18-1/4" | 1-1/2" | 1" | SAE 8 | 21200 | 3000 | 24 |
| WAC30300612 | 3" X 6" | 16-1/4" | 22-1/4" | | | | 21200 | 3000 | 26 |
| WAC30300812 | 3" X 8" | 18-1/4" | 26-1/4" | | | | 21200 | 3000 | 29 |
| WAC303008-ASAE | 3" X 8" | 20-1/4" | 28-1/4" | | | | 21200 | 3000 | 29 |
| WAC30301012 | 3" X 10" | 20-1/4" | 30-1/4" | | | | 21200 | 3000 | 31 |
| WAC30301212 | 3" X 12" | 22-1/4" | 34-1/4" | | | | 21200 | 3000 | 33 |
| WAC30301412 | 3" X 14" | 24-1/4" | 38-1/4" | | | | 21200 | 3000 | 36 |
| WAC30301612 | 3" X 16" | 26-1/4" | 42-1/4" | | | | 21200 | 3000 | 38 |
| WAC303016-ASAE | 3" X 16" | 31-1/2" | 47-1/2" | | | | 21200 | 3000 | 38 |
| WAC30301812 | 3" X 18" | 28-1/4" | 46-1/4" | | | | 21200 | 3000 | 41 |
| WAC30302012 | 3" X 20" | 30-1/4" | 50-1/4" | | | | 18800 | 2600 | 43 |
| WAC30302412 | 3" X 24" | 34-1/4" | 58-1/4" | | | | 14000 | 1900 | 48 |
| WAC30303012 | 3" X 30" | 40-1/4" | 70-1/4" | | | | 9600 | 1300 | 56 |
| WAC30303612 | 3" X 36" | 46-1/4" | 82-1/4" | | | | 7000 | 900 | 63 |
| WAC30350414 | 3.5" X 4" | 14-1/4" | 18-1/4" | 1-3/4" | 1" | SAE 8 | 28800 | 3000 | 29 |
| WAC30350614 | 3.5" X 6" | 16-1/4" | 22-1/4" | | | | 28800 | 3000 | 32 |
| WAC30350814 | 3.5" X 8" | 18-1/4" | 26-1/4" | | | | 28800 | 3000 | 35 |
| WAC303508-ASAE | 3.5" X 8" | 20-1/4" | 28-1/4" | | | | 28800 | 3000 | 36 |
| WAC30351014 | 3.5" X 10" | 20-1/4" | 30-1/4" | | | | 28800 | 3000 | 38 |
| WAC30351214 | 3.5" X 12" | 22-1/4" | 34-1/4" | | | | 28800 | 3000 | 41 |
| WAC30351414 | 3.5" X 14" | 24-1/4" | 38-1/4" | | | | 28800 | 3000 | 44 |
| WAC30351614 | 3.5" X 16" | 26-1/4" | 42-1/4" | | | | 28800 | 3000 | 47 |
| WAC303516-ASAE | 3.5" X 16" | 31-1/2" | 47-1/2" | | | | 28800 | 3000 | 47 |
| WAC30351814 | 3.5" X 18" | 28-1/4" | 46-1/4" | | | | 28800 | 3000 | 50 |
| WAC30352014 | 3.5" X 20" | 30-1/4" | 50-1/4" | | | | 28800 | 3000 | 53 |
| WAC30352414 | 3.5" X 24" | 34-1/4" | 58-1/4" | | | | 26000 | 2700 | 59 |
| WAC30353014 | 3.5" X 30" | 40-1/4" | 70-1/4" | | | | 17900 | 1800 | 68 |
| WAC30353614 | 3.5" X 36" | 46-1/4" | 82-1/4" | | | | 13000 | 1300 | 77 |
| WAC30400416 | 4" X 4" | 14-1/4" | 18-1/4" | 2" | 1" | SAE 8 | 37600 | 3000 | 35 |
| WAC30400616 | 4" X 6" | 16-1/4" | 22-1/4" | | | | 37600 | 3000 | 38 |
| WAC30400816 | 4" X 8" | 18-1/4" | 26-1/4" | | | | 37600 | 3000 | 42 |
| WAC304008-ASAE | 4" X 8" | 20-1/4" | 28-1/4" | | | | 37600 | 3000 | 43 |
| WAC30401016 | 4" X 10" | 20-1/4" | 30-1/4" | | | | 37600 | 3000 | 46 |
| WAC30401216 | 4" X 12" | 22-1/4" | 34-1/4" | | | | 37600 | 3000 | 49 |
| WAC30401416 | 4" X 14" | 24-1/4" | 38-1/4" | | | | 37600 | 3000 | 53 |
| WAC30401616 | 4" X 16" | 26-1/4" | 42-1/4" | | | | 37600 | 3000 | 57 |
| WAC304016-ASAE | 4" X 16" | 31-1/2" | 47-1/2" | | | | 37600 | 3000 | 57 |
| WAC30401816 | 4" X 18" | 28-1/4" | 46-1/4" | | | | 37600 | 3000 | 60 |
| WAC30402016 | 4" X 20" | 30-1/4" | 50-1/4" | | | | 37600 | 3000 | 64 |
| WAC30402416 | 4" X 24" | 34-1/4" | 58-1/4" | | | | 37600 | 3000 | 71 |
| WAC30403016 | 4" X 30" | 40-1/4" | 70-1/4" | | | | 30500 | 2400 | 82 |
| WAC30403616 | 4" X 36" | 46-1/4" | 82-1/4" | | | | 22200 | 1700 | 93 |

* NPT PORTS ARE ALSO AVAILABLE.
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# HYDRAULIC TIE-ROD CYLINDERS-TR.3000 PSI




| PART NUMBER | CYLINDER BORE | OUTSIDE DIAMETER | ROD THREAD | A1 | B | C2 | D | E3 | F | G4 | H | I | J | PORTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TR3020XX | 2.00" | 2.38" | 1.125-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 4.17" | 2.44" | 1.14" | 2.00" | 2.12" | 2.50" | SAE 8 |
| TR3025XX | 2.50" | 2.89" | 1.125-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 4.17" | 2.44" | 1.14" | 2.00" | 2.12" | 2.50" | SAE 8 |
| TR3030XX | 3.00' | 3.39" | 1.25-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 4.14" | 2.72" | 1.14" | 2.00" | 2.12" | 2.72" | SAE 8 |
| TR3035XX | 3.50" | 4.00" | 1.25-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 4.09" | 2.72" | 1.14" | 2.00" | 2.12" | 2.72" | SAE 8 |
| TR3040XX | 4.00" | 4.50" | 1.25-12 UNF | 10.25" | 2.00" | 1.01" | 2.00" | 3.82" | 2.72" | 1.14" | 2.12" | 2.12" | 2.72" | SAE 8 |
| TR3050XX | 5.00" | 5.50" | 1.500-12 UNF | 12.25 | 2.75" | 1.26" | 2.75" | 5.00" | 2.87" | 1.25" | 2.12" | 2.12" | 2.95" | SAE 10 |

1. FOR 8.00" ASAE STROKE : A = 12.25"
FOR 16.00" ASAE STROKE : A = 15.50"
2. FOR 16.00" ASAE STROKE : C = 1.26"
3. FOR 8.00" ASAE STROKE : E = 5.75" (2.00" TO 3.00" BORE) E = 5.62" (3.50" BORE) E = 5.56" (4.00" BORE)
FOR 16.00" ASAE STROKE : E = 9.00" (3.00" BORE) E = 8.87" (3.50" BORE) E = 8.81" (4.00" BORE) E = 7.43" (5.00" BORE)
4. FOR 5.00" BORE : G (FRONT CLEVIS) = 1.18" G (END CAP) = 1.31"
MAXIMUM RETRACTED WORKING PRESSURE = 3000 psi
MAXIMUM EXTENDED WORKING PRESSURE = SEE TABLE
RETRACTED AND STROKE TOLERANCE ± 1/8"
DIMENSIONS A AND E ARE FOR REFERENCES ONLY AS CLEVIS IS ADJUSTABLE
* NPT PORTS ARE ALSO AVAILABLE.



HYDRAULIC TIE-ROD CYLINDERS-TR.3000 PSI



**TIE-ROD HYDRAULIC CYLINDER**

| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|
| | | RETRACTED | EXTENDED | | | | | | |
| TR30200409 | 2" X 4" | 14-1/4" | 18-1/4" | | | | 9400 | 3000 | 17 |
| TR30200609 | 2" X 6" | 16-1/4" | 22-1/4" | | | | 9400 | 3000 | 19 |
| TR30200809 | 2" X 8" | 18-1/4" | 26-1/4" | | | | 9400 | 3000 | 21 |
| TR30200809-ASAE* | 2" X 8" | 20-1/4" | 28-1/4" | | | | 9400 | 3000 | 22 |
| TR30201009 | 2" X 10" | 20-1/4" | 30-1/4" | | | | 9400 | 3000 | 23 |
| TR30201209 | 2" X 12" | 22-1/4" | 34-1/4" | | | | 9400 | 3000 | 25 |
| TR30201409 | 2" X 14" | 24-1/4" | 38-1/4" | 1-1/8" | 1" | SAE 8 | 9400 | 3000 | 27 |
| TR30201609 | 2" X 16" | 26-1/4" | 42-1/4" | | | | 8400 | 2600 | 28 |
| TR30201809 | 2" X 18" | 28-1/4" | 46-1/4" | | | | 7000 | 2200 | 30 |
| TR30202009 | 2" X 20" | 30-1/4" | 50-1/4" | | | | 5900 | 1900 | 32 |
| TR30202409 | 2" X 24" | 34-1/4" | 58-1/4" | | | | 4400 | 1400 | 36 |
| TR30203009 | 2" X 30" | 40-1/4" | 70-1/4" | | | | 3000 | 900 | 41 |
| TR30203609 | 2" X 36" | 46-1/4" | 82-1/4" | | | | 2200 | 700 | 47 |
| TR30250410 | 2.5" X 4" | 14-1/4" | 18-1/4" | | | | 14700 | 3000 | 22 |
| TR30250610 | 2.5" X 6" | 16-1/4" | 22-1/4" | | | | 14700 | 3000 | 24 |
| TR30250810 | 2.5" X 8" | 18-1/4" | 26-1/4" | | | | 14700 | 3000 | 26 |
| TR30250810-ASAE* | 2.5" X 8" | 20-1/4" | 28-1/4" | | | | 14700 | 3000 | 27 |
| TR30251010 | 2.5" X 10" | 20-1/4" | 30-1/4" | | | | 14700 | 3000 | 29 |
| TR30251210 | 2.5" X 12" | 22-1/4" | 34-1/4" | | | | 14700 | 3000 | 31 |
| TR30251410 | 2.5" X 14" | 24-1/4" | 38-1/4" | 1-1/4" | 1" | SAE 8 | 14700 | 3000 | 34 |
| TR30251610 | 2.5" X 16" | 26-1/4" | 42-1/4" | | | | 12800 | 2600 | 36 |
| TR30251810 | 2.5" X 18" | 28-1/4" | 46-1/4" | | | | 10700 | 2100 | 38 |
| TR30252010 | 2.5" X 20" | 30-1/4" | 50-1/4" | | | | 9100 | 1800 | 41 |
| TR30252410 | 2.5" X 24" | 34-1/4" | 58-1/4" | | | | 6700 | 1300 | 45 |
| TR30253010 | 2.5" X 30" | 40-1/4" | 70-1/4" | | | | 4600 | 900 | 53 |
| TR30253610 | 2.5" X 36" | 46-1/4" | 82-1/4" | | | | 3400 | 600 | 60 |
| TR30300410 | 3" X 4" | 14-1/4" | 18-1/4" | | | | 21200 | 3000 | 26 |
| TR30300610 | 3" X 6" | 16-1/4" | 22-1/4" | | | | 21200 | 3000 | 29 |
| TR30300810 | 3" X 8" | 18-1/4" | 26-1/4" | | | | 21200 | 3000 | 32 |
| TR30300810-ASAE* | 3" X 8" | 20-1/4" | 28-1/4" | 1-1/4" | 1" | | 21200 | 3000 | 32 |
| TR30301010 | 3" X 10" | 20-1/4" | 30-1/4" | | | | 21200 | 3000 | 34 |
| TR30301210 | 3" X 12" | 22-1/4" | 34-1/4" | | | | 21200 | 3000 | 37 |
| TR30301410 | 3" X 14" | 24-1/4" | 38-1/4" | | | | 21200 | 3000 | 40 |
| TR30301612 | 3" X 16" | 26-1/4" | 42-1/4" | | | SAE 8 | 18800 | 2600 | 43 |
| TR3-301612-ASAE* | 3" X 16" | 31-1/2" | 47-1/2" | | 1-1/4" | | 14900 | 2100 | 45 |
| TR30301812 | 3" X 18" | 28-1/4" | 46-1/4" | | | | 15700 | 2200 | 45 |
| TR30302012 | 3" X 20" | 30-1/4" | 50-1/4" | 1-1/2" | | | 13300 | 1800 | 48 |
| TR30302412 | 3" X 24" | 34-1/4" | 58-1/4" | | 1" | | 9900 | 1400 | 53 |
| TR30303012 | 3" X 30" | 40-1/4" | 70-1/4" | | | | 6800 | 900 | 62 |
| TR30303612 | 3" X 36" | 46-1/4" | 82-1/4" | | | | 4900 | 700 | 70 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

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DESIGNATES AN INDUSTRY MOUNTING STANDARD FOR 8" AND 16" STROKE CYLINDERS

# HYDRAULIC TIE-ROD CYLINDERS-TR.3000 PSI



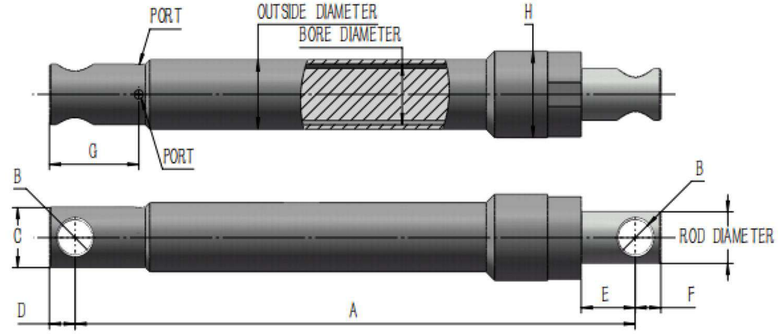
| TIE-ROD HYDRAULIC CYLINDER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | BORE & STROKE | DIMENSIONS | | ROD DIAMETER | PIN SIZE | PORTS | COLUMN LOAD (LBS) | PRESSURE (PSI) | WEIGHT (LBS) |
| | | RETRACTED | EXTENDED | | | | | | |
| TR30350411 | 3.5" X 4" | 14-1/4" | 18-1/4" | 1-3/8" | 1" | SAE 8 | 28800 | 3000 | 34 |
| TR30350611 | 3.5" X 6" | 16-1/4" | 22-1/4" | | | | 28800 | 3000 | 37 |
| TR30350811 | 3.5" X 8" | 18-1/4" | 26-1/4" | | | | 28800 | 3000 | 40 |
| TR30350811-ASAE* | 3.5" X 8" | 20-1/4" | 28-1/4" | | | | 28800 | 3000 | 41 |
| TR30351011 | 3.5" X 10" | 20-1/4" | 30-1/4" | | | | 28300 | 2900 | 44 |
| TR30351211 | 3.5" X 12" | 22-1/4" | 34-1/4" | | | | 28700 | 2900 | 47 |
| TR30351411 | 3.5" X 14" | 24-1/4" | 38-1/4" | | | | 23000 | 2300 | 50 |
| TR30351612 | 3.5" X 16" | 26-1/4" | 42-1/4" | 1-1/2" | | | 18800 | 1900 | 53 |
| TR30351612-ASAE* | 3.5" X 16" | 31-1/2" | 47-1/2" | | 1-1/4" | | 14900 | 1500 | 56 |
| TR30351812 | 3.5" X 18" | 28-1/4" | 46-1/4" | | 1" | | 15700 | 1600 | 56 |
| TR30352012 | 3.5" X 20" | 30-1/4" | 50-1/4" | | | | 13300 | 1300 | 60 |
| TR30352412 | 3.5" X 24" | 34-1/4" | 58-1/4" | | | | 9900 | 1000 | 66 |
| TR30353012 | 3.5" X 30" | 40-1/4" | 70-1/4" | | | | 6800 | 700 | 76 |
| TR30353612 | 3.5" X 36" | 46-1/4" | 82-1/4" | | | | 4900 | 500 | 85 |
| TR30400412 | 4" X 4" | 14-1/4" | 18-1/4" | 1-1/2" | 1" | SAE 8 | 37600 | 3000 | 41 |
| TR30400612 | 4" X 6" | 16-1/4" | 22-1/4" | | | | 37600 | 3000 | 45 |
| TR30400812 | 4" X 8" | 18-1/4" | 26-1/4" | | | | 37600 | 3000 | 49 |
| TR30400812-ASAE* | 4" X 8" | 20-1/4" | 28-1/4" | | | | 37600 | 3000 | 50 |
| TR30401012 | 4" X 10" | 20-1/4" | 30-1/4" | | | | 37600 | 3000 | 52 |
| TR30401212 | 4" X 12" | 22-1/4" | 34-1/4" | | | | 37600 | 3000 | 56 |
| TR30401412 | 4" X 14" | 24-1/4" | 38-1/4" | | | | 37600 | 3000 | 60 |
| TR30401614 | 4" X 16" | 26-1/4" | 42-1/4" | 1-3/4" | | | 37600 | 3000 | 64 |
| TR30401614-ASAE* | 4" X 16" | 31-1/2" | 47-1/2" | | 1-1/4" | | 37600 | 3000 | 68 |
| TR30401814 | 4" X 18" | 28-1/4" | 46-1/4" | | 1" | | 37600 | 3000 | 68 |
| TR30402014 | 4" X 20" | 30-1/4" | 50-1/4" | | | | 35000 | 2700 | 72 |
| TR30402414 | 4" X 24" | 34-1/4" | 58-1/4" | | | | 26000 | 2000 | 80 |
| TR30403016 | 4" X 30" | 40-1/4" | 70-1/4" | 2" | | | 17900 | 1400 | 92 |
| TR30403616 | 4" X 36" | 46-1/4" | 82-1/4" | | | | 13000 | 1000 | 104 |
| TR30500416 | 5" X 4" | 16-1/4" | 20-1/4" | 2" | 1-1/4" | SAE 8 | 58900 | 3000 | 71 |
| TR30500616 | 5" X 6" | 18-1/4" | 24-1/4" | | | | 58900 | 3000 | 76 |
| TR30500816-ASAE* | 5" X 8" | 22-1/4" | 30-1/4" | | | | 58900 | 3000 | 81 |
| TR30501016 | 5" X 10" | 22-1/4" | 32-1/4" | | | | 58900 | 3000 | 86 |
| TR30501216 | 5" X 12" | 24-1/4" | 36-1/4" | | | | 58900 | 3000 | 91 |
| TR30501416 | 5" X 14" | 26-1/4" | 40-1/4" | | | | 58900 | 3000 | 96 |
| TR30501616 | 5" X 16" | 28-1/4" | 44-1/4" | | | | 58900 | 3000 | 101 |
| TR30501616-ASAE* | 5" X 16" | 31-1/2" | 47-1/2" | | | | 58900 | 3000 | 104 |
| TR30501816 | 5" X 18" | 30-1/4" | 48-1/4" | | | | 58900 | 3000 | 106 |
| TR30502016 | 5" X 20" | 32-1/4" | 52-1/4" | | | | 55200 | 2800 | 112 |
| TR30502416 | 5" X 24" | 36-1/4" | 60-1/4" | | | | 41500 | 2100 | 122 |
| TR30503016 | 5" X 30" | 42-1/4" | 72-1/4" | | | | 28800 | 1400 | 137 |
| TR30503616 | 5" X 36" | 48-1/4" | 84-1/4" | | | | 21200 | 1000 | 153 |

* NPT PORTS ARE ALSO AVAILABLE.
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

* ASAE = AMERICAN SOCIETY OF AGRICULTURE ENGINEERS
DESIGNATES AN INDUSTRY MOUNTING STANDARD FOR 8" AND 16" STROKE CYLINDERS



# SNOW PLOW HYDRAULIC CYLINDERS-WP.2500 PSI




| PART NUMBER | REPLA-CEMENT | BORE & STROKE | OUTSIDE DIAMETER | ROD DIAMETER | A | B | C | D | E | F | G | H | PORT | WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASP-1510-0750 | ARCTIC | 1.75" X 10.00" | 2.00" | 1.50" | 17.00" | 0.76" | 1.75" | 0.75" | 1.68" | 0.75" | 2.75" | 2.37" | 1/4-NPT (2X) | 12 |
| ASP-1512-0750 | ARCTIC | 1.75" X 12.00" | 2.00" | 1.50" | 19.00" | 0.76" | 1.75" | 0.75" | 1.68" | 0.75" | 2.75" | 2.37" | 1/4-NPT (2X) | 13 |
| FSP-1510-1000 | FISHER | 1.75" X 10.00" | 2.00" | 1.50" | 17.00" | 1.01" | 1.75" | 0.75" | 1.68" | 0.75" | 2.75" | 2.37" | 1/4-NPT (2X) | 11 |
| FSP-1512-1000 | FISHER | 1.75" X 12.00" | 2.00" | 1.50" | 19.25" | 1.01" | 1.75" | 0.75" | 1.93" | 0.75" | 2.75" | 2.37" | 1/4-NPT (2X) | 13 |
| FSP-2016-1250 | FISHER | 2.25" X 16.00" | 2.50" | 2.00" | 23.25" | 1.26" | 2.25" | 0.87" | 1.75" | 0.87" | 2.75" | 3.00" | 1/4-NPT (2X) | 27 |
| MSP-1506-0625 | MEYER | 1.75" X 6.00" | 2.00" | 1.50" | 12.37" | 0.63" | 1.62" | 0.75" | 1.56" | 0.75" | 2.12" | 2.37" | 1/4-NPT | 9 |
| MSP-1510-0625 | MEYER | 1.75" X 10.00" | 2.00" | 1.50" | 16.18" | 0.63" | 1.62" | 0.75" | 1.62" | 0.75" | 2.12" | 2.37" | 1/4-NPT | 14 |
| MSP-1512-0625 | MEYER | 1.75" X 12.00" | 2.00" | 1.50" | 18.00" | 0.63" | 1.62" | 0.75" | 1.43" | 0.75" | 2.12" | 2.37" | 1/4-NPT | 15 |
| MSP-2012-0625 | MEYER | 2.25" X 12.00" | 2.50" | 2.00" | 18.00" | 0.63" | 1.62" | 0.75" | 0.75" | 0.75" | 2.25" | 3.00" | 1/4-NPT | 24 |
| WSP-1506-0750 | WESTERN | 1.75" X 6.00" | 2.00" | 1.50" | 13.00" | 0.76" | 1.75" | 0.68" | 1.37" | 0.68" | 2.75" | 2.37" | 1/4-NPT (2X) | 11 |
| WSP-1508-0750 | WESTERN | 1.75" X 8.00" | 2.00" | 1.50" | 15.25" | 0.76" | 1.75" | 0.68" | 1.62" | 0.68" | 2.75" | 2.37" | 1/4-NPT (2X) | 12 |
| WSP-1510-0750 | WESTERN | 1.75" X 10.00" | 2.00" | 1.50" | 17.25" | 0.76" | 1.75" | 0.68" | 1.62" | 0.68" | 2.75" | 2.37" | 1/4-NPT (2X) | 14 |
| WSP-1510-1000 | WESTERN | 1.75" X 10.00" | 2.00" | 1.50" | 17.00" | 1.01" | 1.75" | 0.75" | 1.43" | 0.75" | 2.75" | 2.37" | 1/4-NPT (2X) | 14 |
| WSP-2006-0750 | WESTERN | 2.25" X 6.00" | 2.50" | 2.00" | 13.18" | 0.76" | 2.25" | 0.75" | 1.56" | 0.75" | 2.75" | 3.00" | 1/4-NPT (2X) | 18 |
| WSP-2010-1000 | WESTERN | 2.25" X 10.00" | 2.50" | 2.00" | 17.25" | 1.01" | 2.25" | 0.75" | 1.62" | 0.75" | 2.75" | 3.00" | 1/4-NPT (2X) | 22 |
| WSP-2016-1000 | WESTERN | 2.25" X 16.00" | 2.50" | 2.00" | 23.31" | 1.01" | 2.25" | 0.75" | 1.68" | 0.75" | 2.56" | 3.00" | 1/4-NPT (2X) | 31 |

SEAL TEMPERATURE RANGE : -30˚C / +100˚C (-22˚F / +212˚F) SEAL MAXIMUM SPEED : 3 FT / SEC

CYLINDER WITH 1 PORT = PORT IN LINE WITH PIN
HOLE RETRACTED AND STROKE TOLERANCE ± 1/8"





## 清障车配套油缸




## HSG 液压油缸




## HSG 63*35系列




## HSG 液压油缸




## HSG 液压油缸




## HSG 液压油缸




## HSG 液压油缸




## HSG 液压油缸



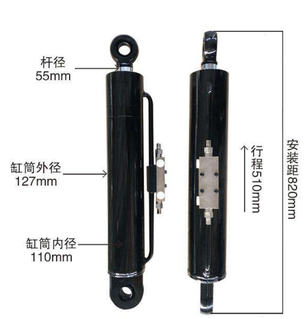

## HSG 液压油缸




## HSG 液压油缸



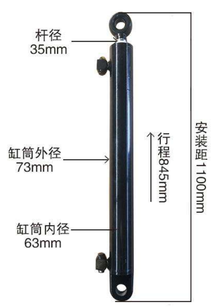

## HSG 液压油缸




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## HSG 液压油缸




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## HSG 液压油缸



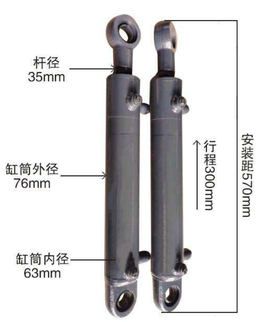

## HSG 液压油缸




## HSG 液压油缸



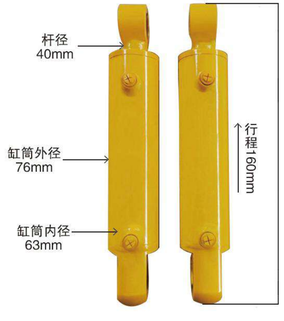

## HSG 液压油缸



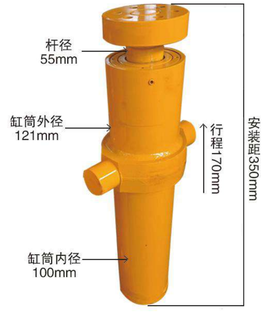
## HSG 液压油缸




## HSG 液压油缸



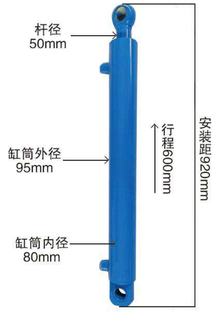

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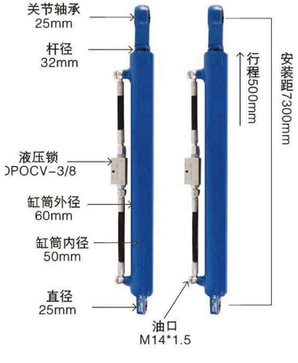

## HSG 液压油缸




## HSG 液压油缸




## 水田平地机液压油缸




## HSG 液压油缸




## HSG 液压油缸



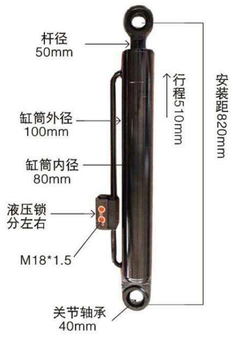

## 叉车属具液压油缸




## 沃得提升缸



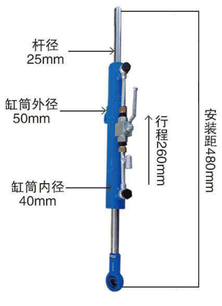

## 工程液压油缸



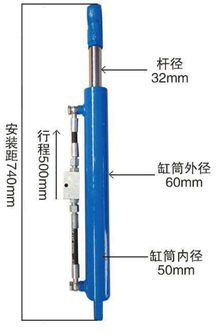

## HSG 液压油缸



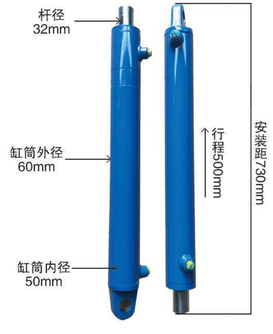

## HSG 液压油缸




## HSG 液压油缸




## HSG 液压油缸




## 水田平地机液压油缸




## 沃得提升缸

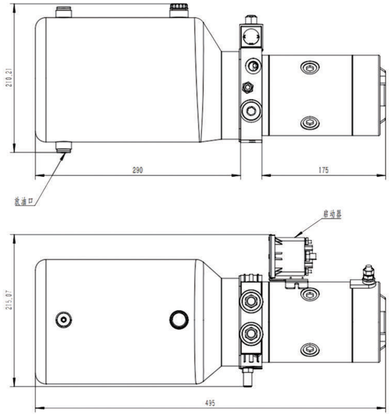


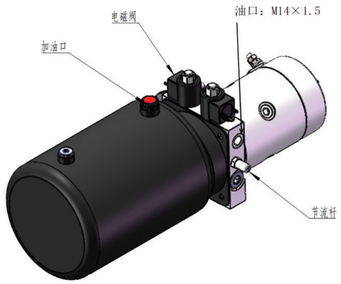

## 倾翻叉油缸90*50系列

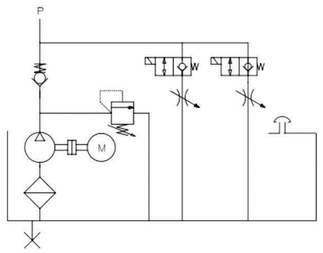


## 堆高车动力单元
## STACKER CRANE POWER UNIT

| 电压 | 24V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |

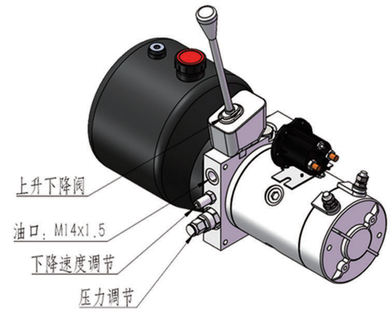


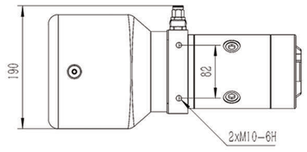



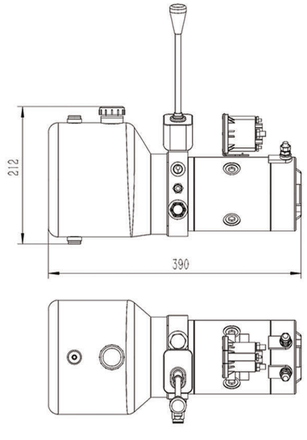



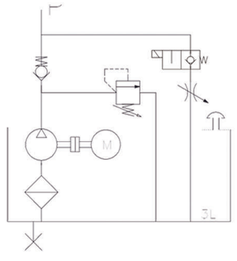


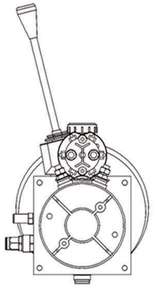

| 电压 | DC24V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800r/min |
| 泵排量 | 1.6cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 3L |



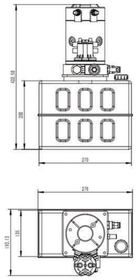



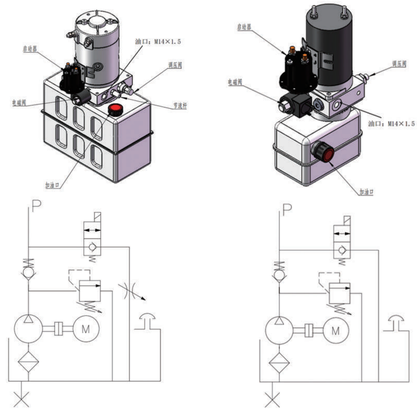



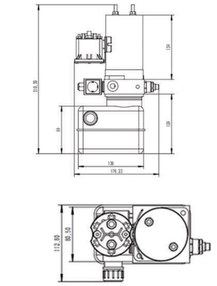
## 托盘车动力单元
## TRAY TRUCK POWER UNIT

| 电压 | 48V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 7L |



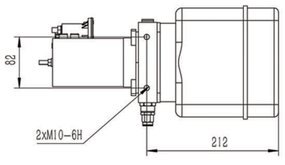


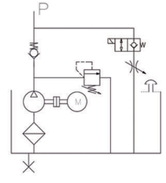

| 电压 | 48V |
|---|---|
| 功率 | 0.8kw |
| 额定转速 | 2800rpm |
| 泵排量 | 0.65cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 1L |



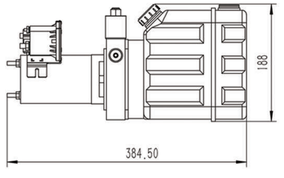
## 小型电动托盘车动力单元
## POWER UNIT OF SMALL ELECTRIC PALLET TRUCK

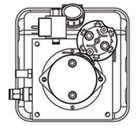
| 电压 | DC24V |
|---|---|
| 功率 | 0.8kw |
| 额定转速 | 2800r/min |
| 泵排量 | 1.1cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 4L |

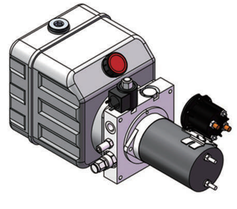


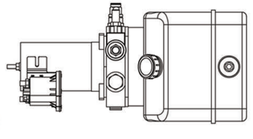





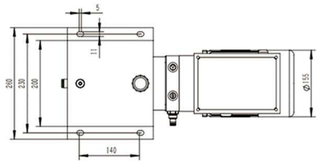


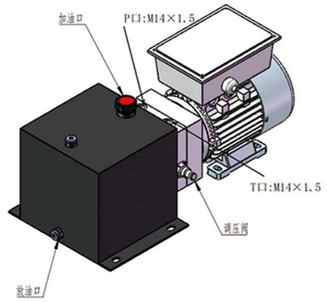


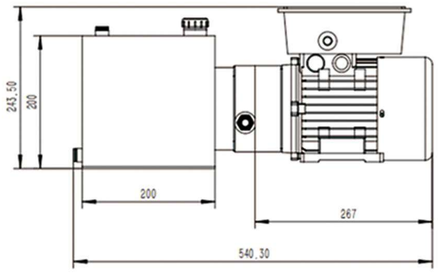


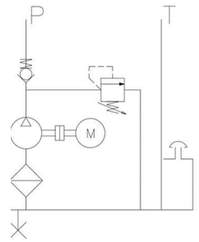
## 升降平台动力单元
LIFTING PLATFORM POWER UNIT

| | |
|---|---|
| 电压 | 220V |
| 功率 | 0.75kw |
| 额定转速 | 2850rpm |
| 泵排量 | 0.75cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 8L |



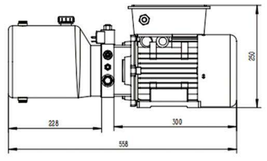



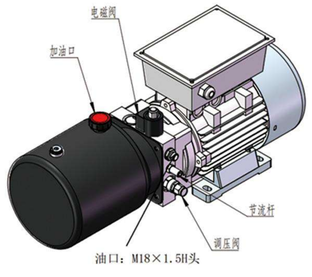



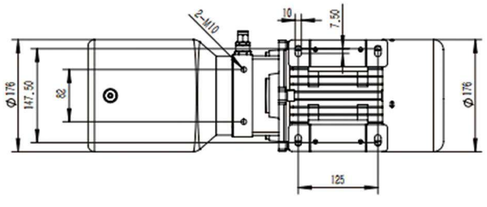


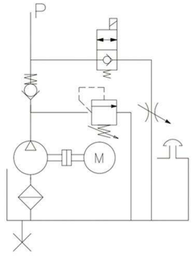

## 剪叉式升降平台动力单元
SCISSOR LIFT PLATFORM POWER UNIT

| | |
|---|---|
| 电压 | 220V |
| 功率 | 0.75kw |
| 额定转速 | 1400rpm |
| 泵排量 | 1.6cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 4L |



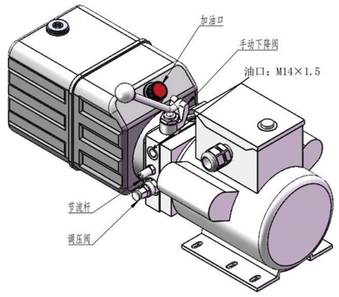



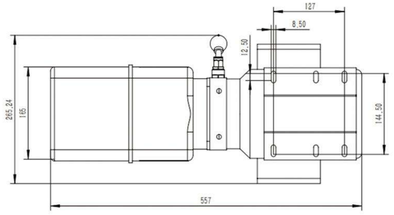



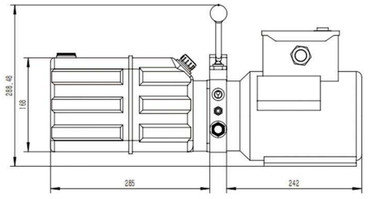


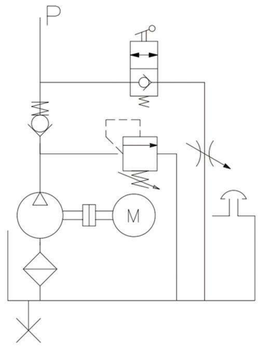

## 升降平台动力单元
LIFTING PLATFORM POWER UNIT

| | |
|---|---|
| 电压 | 220V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 5L |

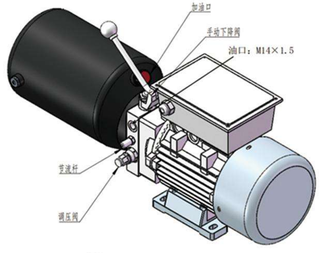


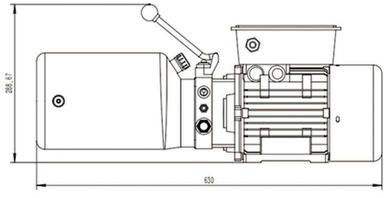



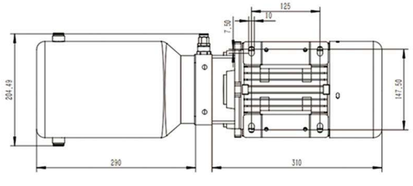



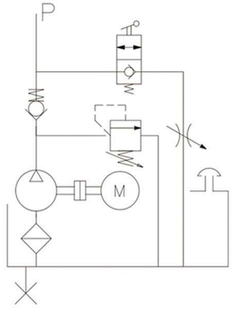




| | |
|---|---|
| 电压 | 380V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |



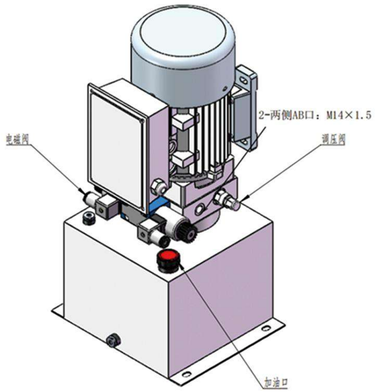



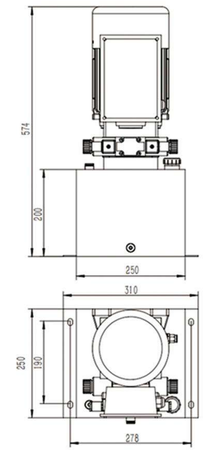



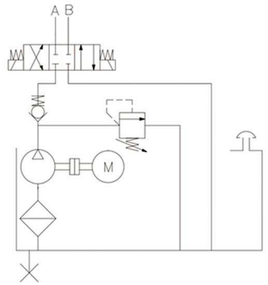



## 立体车库动力单元
POWER UNIT FOR MULTI-STOREY CAR PARK

| | |
|---|---|
| 电压 | 220V |
| 功率 | 0.75kw |
| 额定转速 | 2800rpm |
| 泵排量 | 0.75cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 12L |



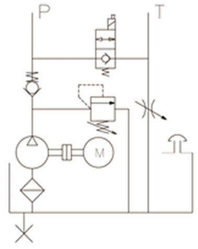



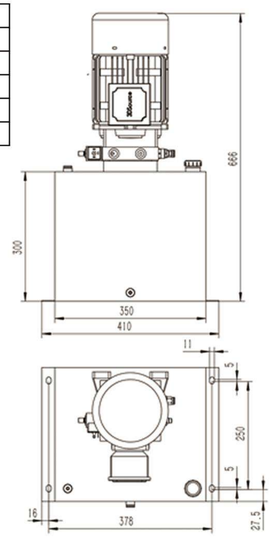



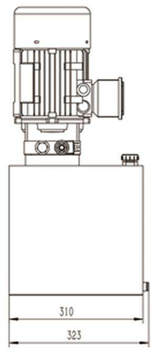


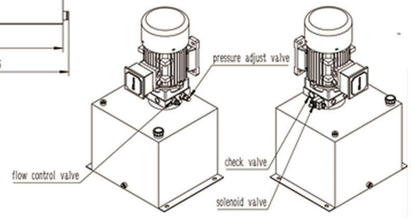

## 移动式升降平台动力单元
POWER UNIT OF MOBILE LIFTING PLATFORM

| | |
|---|---|
| 电压 | AC220V |
| 功率 | 4kw |
| 额定转速 | 2800r/min |
| 泵排量 | 4.2cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 32L |



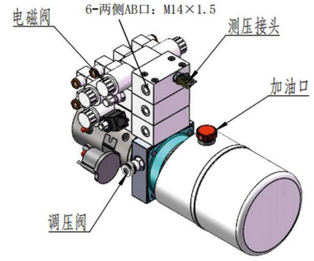



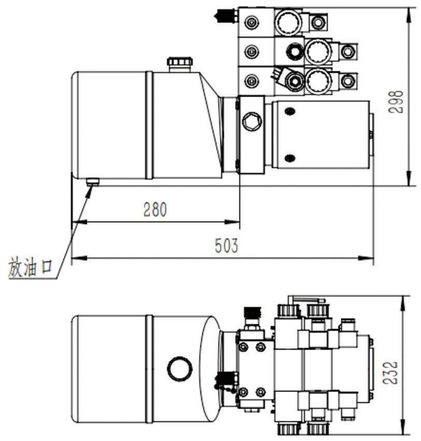



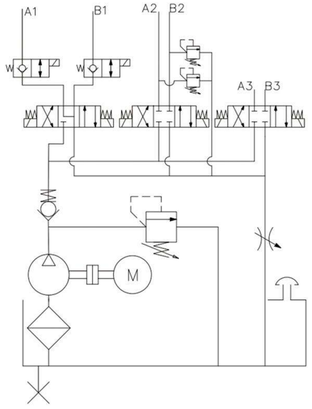



## 扫雪车带浮动动力单元
SNOW REMOVAL VEHICLE WITH FLOATING POWER UNIT

| | |
|---|---|
| 电压 | 24V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |

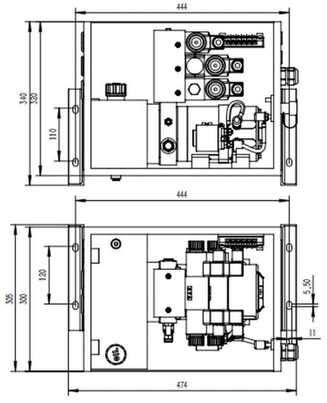


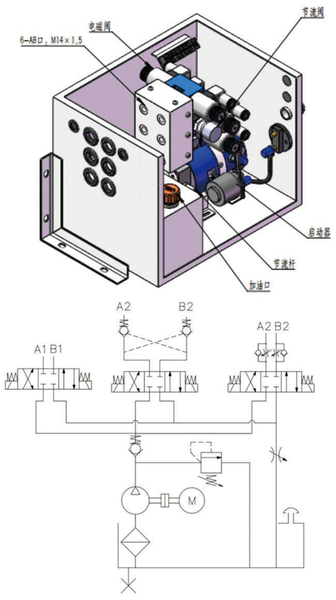




| | |
|---|---|
| 电压 | 24V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 13L |



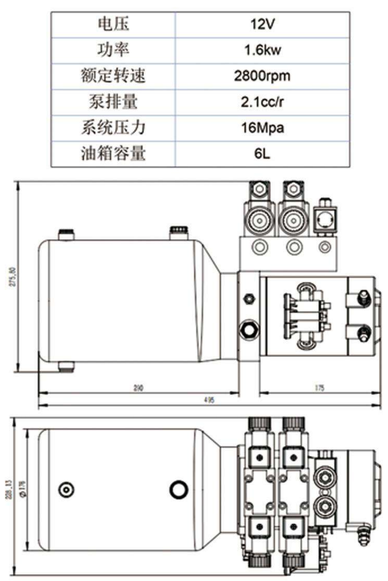


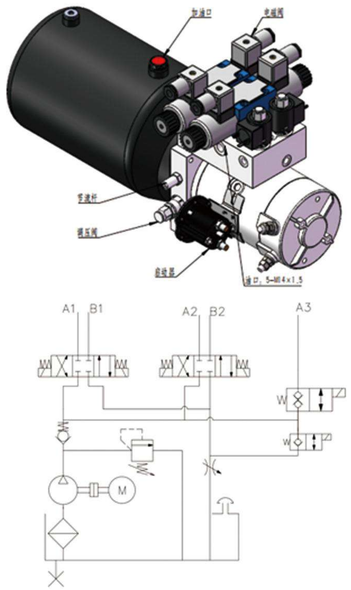



## 小型物业扫雪车动力单元

POWER UNIT FOR
SMALL PROPERTY SNOWPLOWS

| | |
|---|---|
| 电压 | 12V |
| 功率 | 1.6kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.1cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |

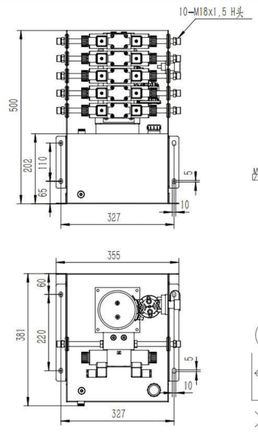


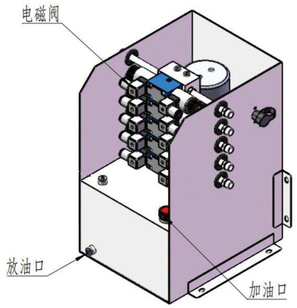


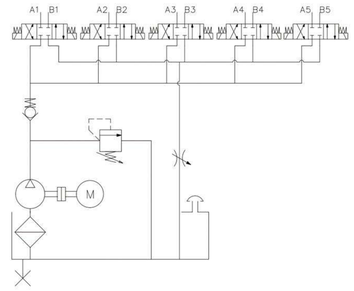

## 植保机动力单元 一键打开 一键折叠

THE PLANT PROTECTION POWER UNIT CAN BE OPENED AND FOLDED WITH ONE CLICK

| | |
|---|---|
| 电压 | 12V |
| 功率 | 1.2kw |
| 额定转速 | 2600rpm |
| 泵排量 | 1.6cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 22L |



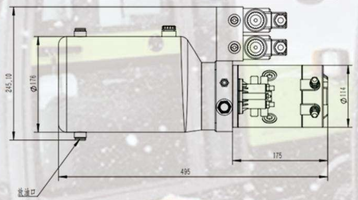



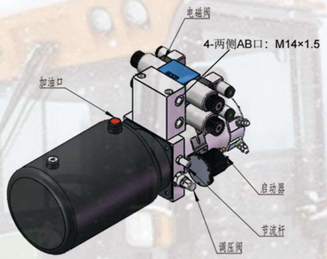


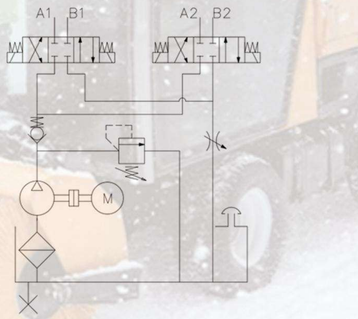

## 扫雪车动力单元

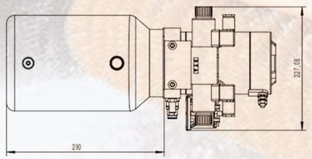
SNOWPLOW POWER UNIT

| | |
|---|---|
| 电压 | 24V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |

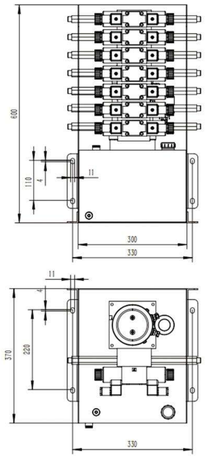


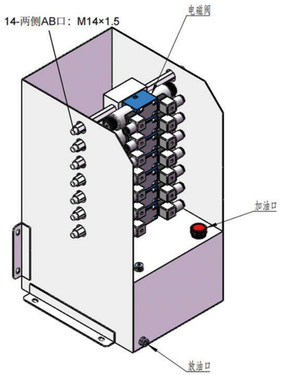


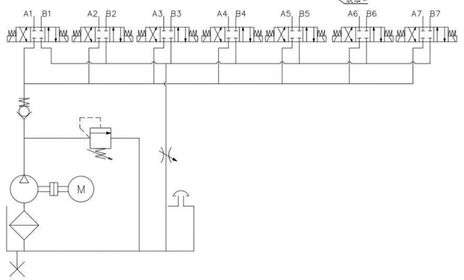



| | |
|---|---|
| 电压 | 12V |
| 功率 | 1.6kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.1cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 20L |

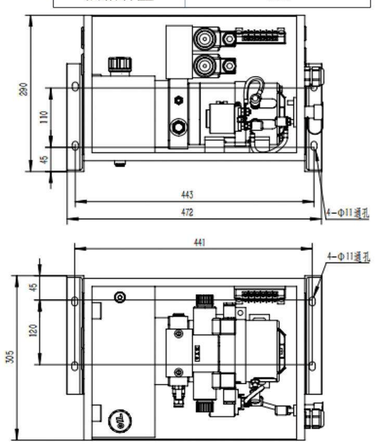


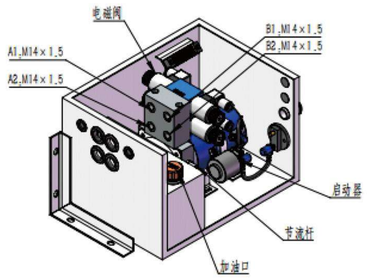


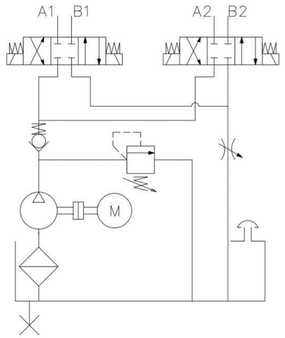



## 卸粮筒动力单元
POWER UNIT OF THE GRAIN UNLOADING CYLINDER

| | |
|---|---|
| 电压 | 24V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 13L |



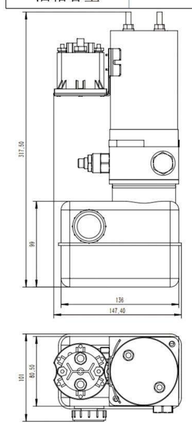



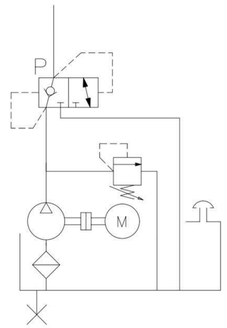



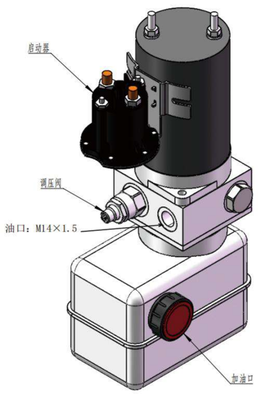

## 液压换向风扇动力单元
HYDRAULIC REVERSING FAN POWER UNIT

| | |
|---|---|
| 电压 | 24V |
| 功率 | 0.8kw |
| 额定转速 | 2800rpm |
| 泵排量 | 0.65cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 1L |



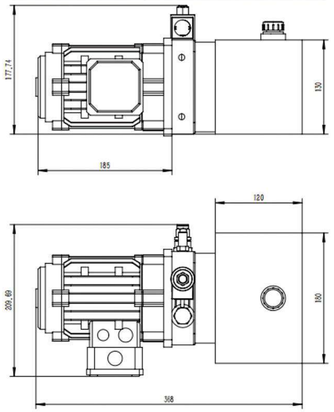


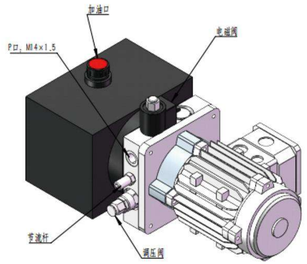



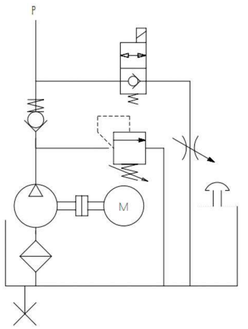




## 扒胎机动力单元
TIRE REMOVAL MACHINE POWER UNIT

| | |
|---|---|
| 电压 | 380V |
| 功率 | 1.1kw |
| 额定转速 | 1450rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 2.8L |

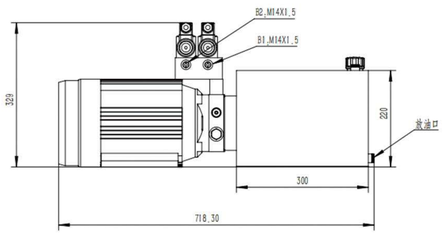


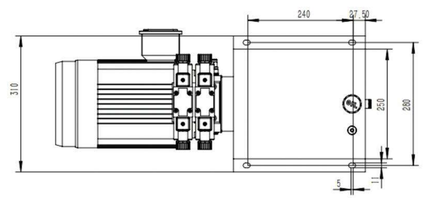



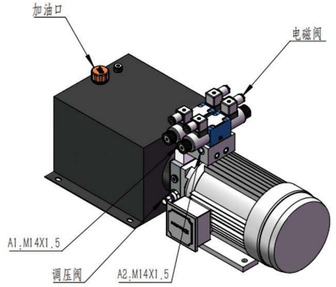



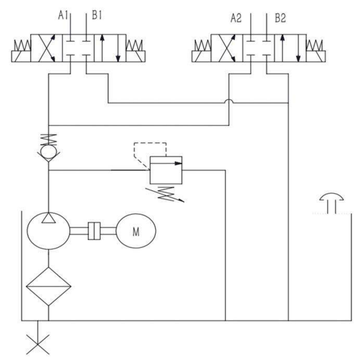



| | |
|---|---|
| 电压 | 380V |
| 功率 | 3kw |
| 额定转速 | 1400rpm |
| 泵排量 | 7cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 16L |



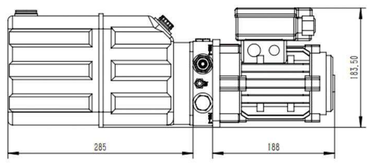



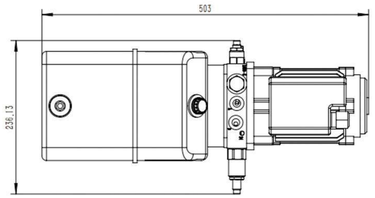



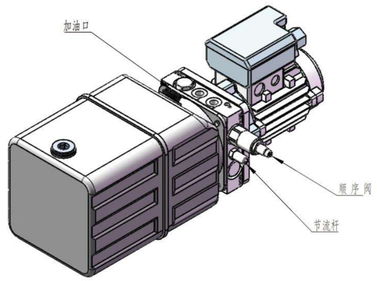
## 登山桥动力单元

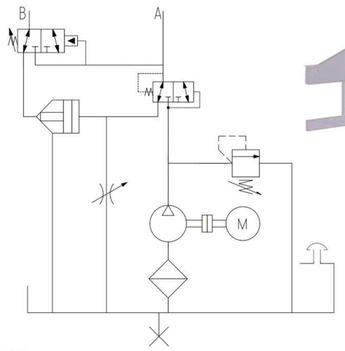
### POWER UNIT OF THE MOUNTAIN CLIMBING BRIDGE

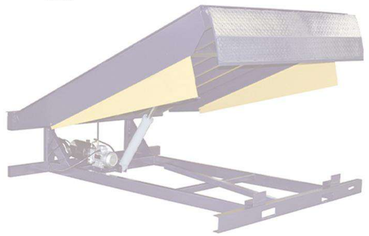
| | |
|---|---|
| 电压 | 220V |
| 功率 | 0.75kw |
| 额定转速 | 2800rpm |
| 泵排量 | 0.75cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 5L |



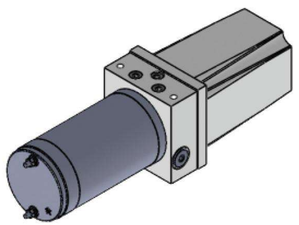



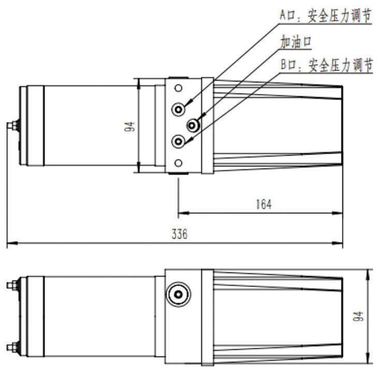



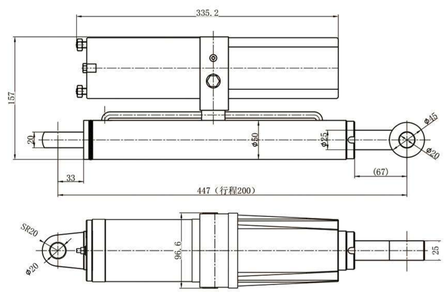
## 电控液压微型运动套件（SHP1）

### ELECTRICALLY CONTROLLED HYDRAULIC MICRO-MOTION KIT

| | |
|---|---|
| 电压 | 24V |
| 功率 | 0.8kw |
| 额定转速 | 2800rpm |
| 泵排量 | 0.65cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 0.9L |





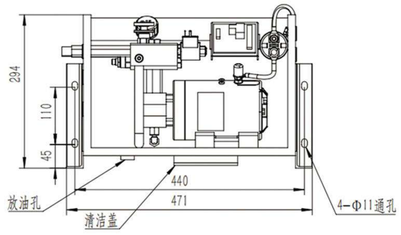



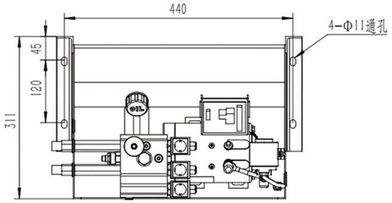


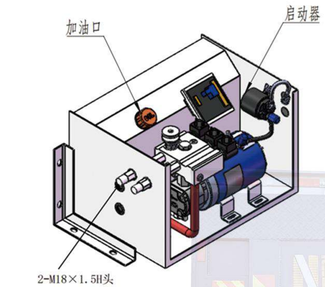

## 汽车尾板动力单元

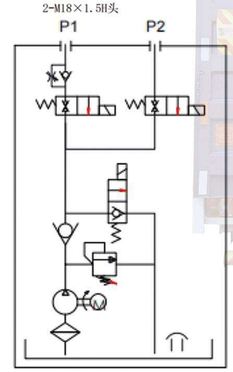
### POWER UNITS FOR VEHICLE TAILGATE

| | |
|---|---|
| 电压 | 12V |
| 功率 | 1.6kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.1cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 10L |



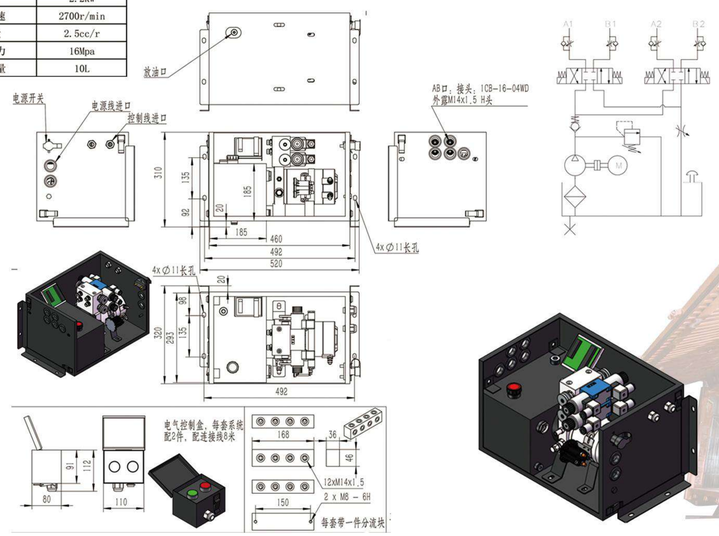



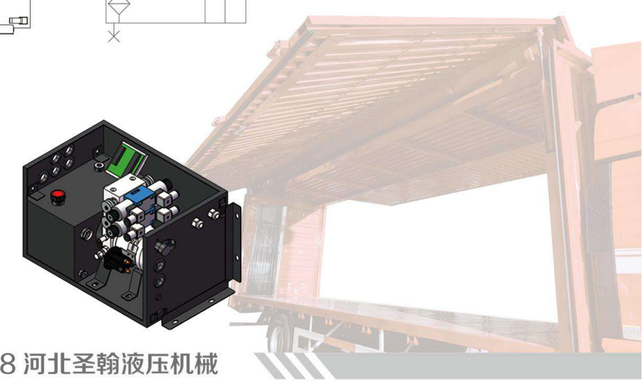




## 展翼车升降动力单元

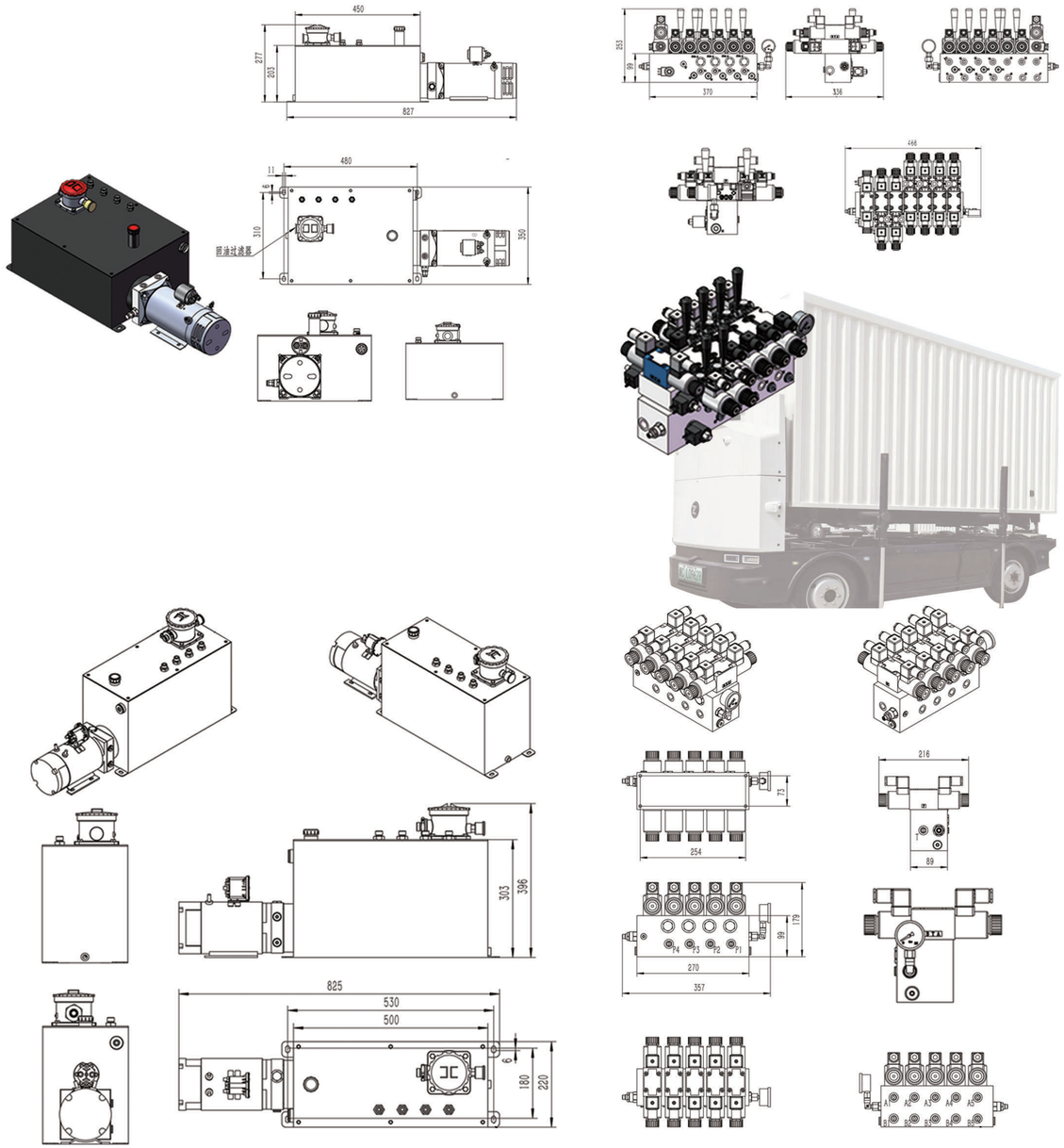
### ELEVATING VEHICLE POWER UNIT WITH WINGS

| | |
|---|---|
| 电压 | DC24V |
| 功率 | 2.2kw |
| 额定转速 | 2700r/min |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 10L |



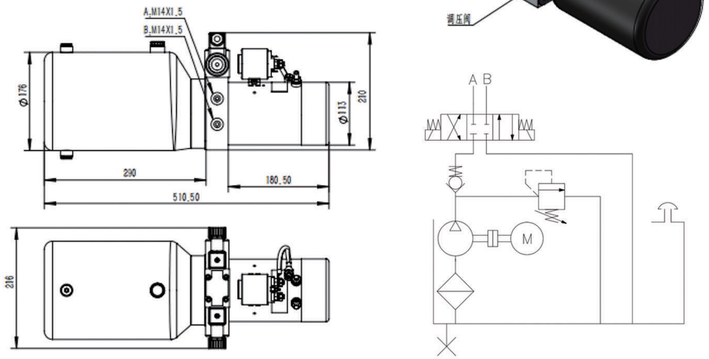



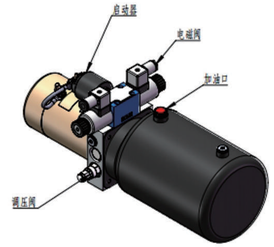
## 甩箱车载液压自动调平系统
BOX-SHAKING VEHICLE-MOUNTED HYDRAULIC AUTOMATIC LEVELING SYSTEM




## 双作用动力单元
DOUBLE-ACTING POWER UNIT

| | |
|---|---|
| 电压 | 24V |
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 6L |



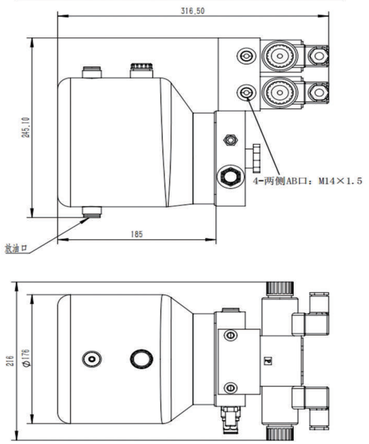



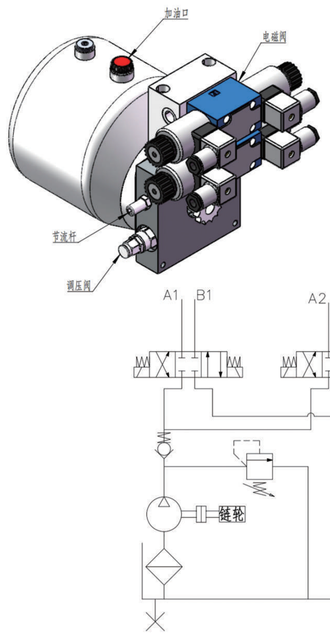




## 打捆机 捆草机动力单元
BALERS (HAY BALERS) POWER UNIT

| | |
|---|---|
| 电压 | |
| 功率 | |
| 额定转速 | |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 3L |

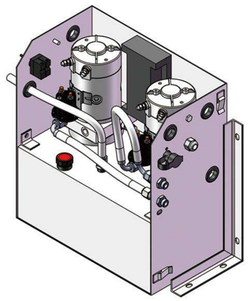


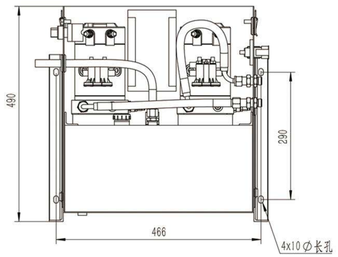



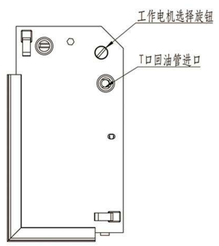


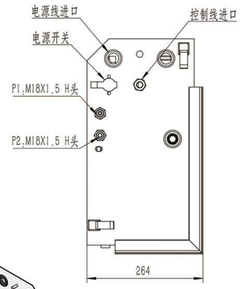

## 房车动力单元
## RV POWER UNIT

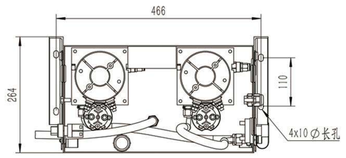
| 电压 | DC24V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800r/min |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 20L |

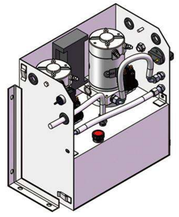




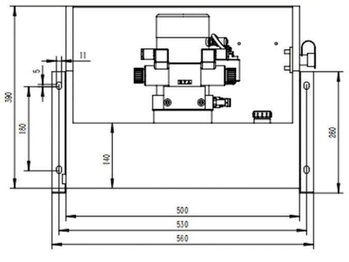



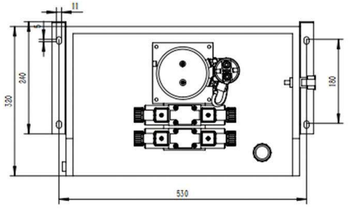



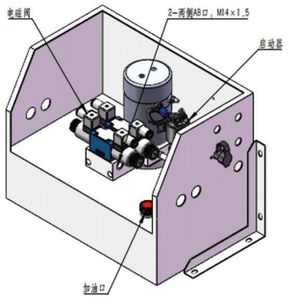



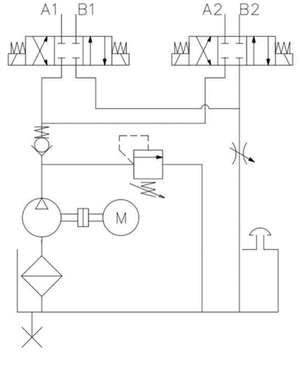



| 电压 | 24V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.5cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 20L |



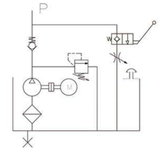



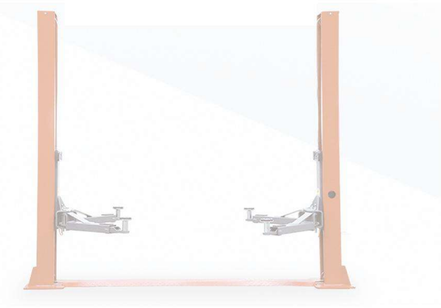


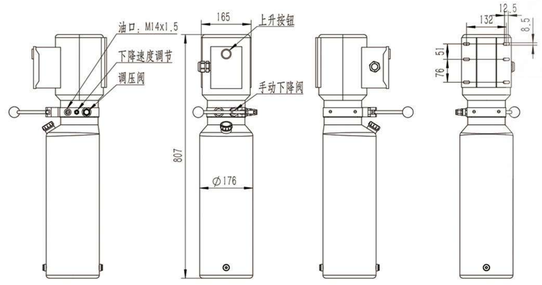



## 双立柱汽车举升动力单元
## DOUBLE-COLUMN AUTOMOTIVE LIFTING POWER UNIT

| 电压 | AC380V |
|---|---|
| 功率 | 2.2kw |
| 额定转速 | 2800rpm |
| 泵排量 | 2.1cc/r |
| 系统压力 | 20Mpa |
| 油箱容量 | 12L |





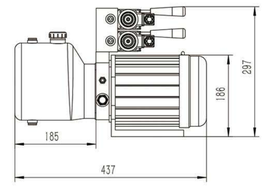


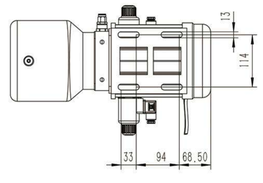


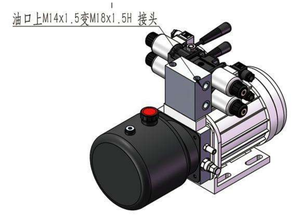


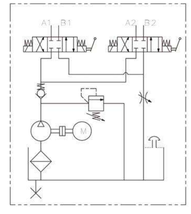
## 随车吊无刷长时效手电一体动力单元
## INTEGRATED POWER UNIT OF BRUSHLESS LONG-DURATION FLASHLIGHT AND TRUCK CRANE

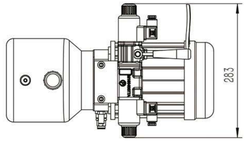
| 电压 | DC48V |
|---|---|
| 功率 | 1.5kw |
| 额定转速 | 2800r/min |
| 泵排量 | 2.1cc/r |
| 系统压力 | 16Mpa |
| 油箱容量 | 3L |

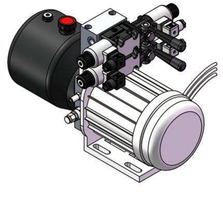




## 侧帘车棚顶升降全套系统
A COMPLETE SYSTEM FOR LIFTING THE ROOF OF THE SIDE CURTAIN CARPORT



## 展翼车升降全套系统
THE COMPLETE SET OF LIFTING SYSTEM FOR THE WINGSPAN VEHICLE





## 甩箱车载液压自动调平系统
BOX–SHAKING VEHICLE–MOUNTED HYDRAULIC AUTOMATIC LEVELING SYSTEM

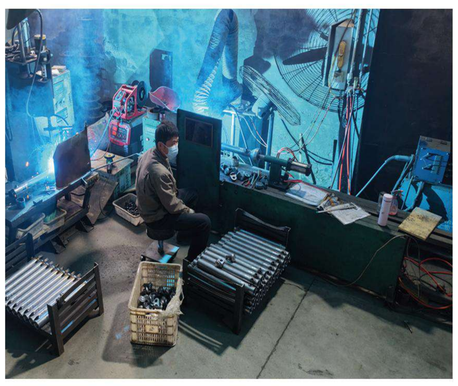


## 液压支腿全套系统
HYDRAULIC LEG COMPLETE SYSTEM



## 车间展示
Workshop display








## 车间展示
Workshop display







河北圣翰液压机械有限公司
HEBEI SHENGHAN HYDRAULIC MACHINERY CO., LTD

# 工厂一角






## 全方位服务 合作共赢
## Omnidirectional service
## Cooperation and win–win













