

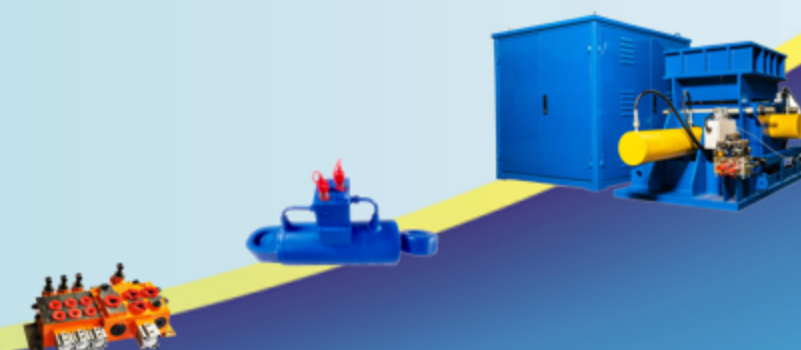


四川卓远液压设备有限公司
SICHUAN ZHUOYUAN HYDRAULIC EQUIPMENT CO., LTD

HYDRAULIC INTEGRATED CONTROL SPECIALIST
液压集成控制专家

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企业概况 ▼

四川卓远液压设备有限公司（以下简称“卓远液压”），前身是泸州卓远液压有限公司，位于泸州市高新产业园区，专注研发制造液压缸和液压系统、多路阀、地埋式压缩垃圾站，液压顶锻型摩擦焊设备，重载顶推，重载牵引设备...等系列产品。公司以设计生产成套液压系统，液压设备、油缸、多路阀等，以质量可靠、品种齐全、成套性强的优势，广泛用于桥梁起重设备、桥梁顶推设备、环保设备、海工设备、交通设备、航天、军工和工程机械等行业，可精心为客户提供个性化的非标产品设计生产和全安装调试等技术服务。

目前，公司资产8000余万元，现有各类生产设备200余台，其中精大稀设备和关键设备50余台。厂房面积1.7万平方米，建筑物2万余平方米；公司现有员工120余人，其中大专以上学历人员占40%以上，专业液压系统技术安装调试人员30余人。作为一家专业从事液压元件及系统集成产品设计、生产和销售、服务的骨干企业，卓远液压已经具备较高的技术开发、生产制造、安装运维服务等优势，具有优良的质量信誉及市场影响力。公司年产值已超亿元，设计生产能力在同行中名列前茅。

公司坚持“以技术求发展、以质量赢客户”的经营理念，立志“做液压元件及系统集成产品标杆”。与重庆大学、四川大学等科研院所结成重要的战略联盟，具备丰富的设计、制造实践经验，具有雄厚的液压元件、系统及其机电液自动控制等技术集成的研究开发能力。始终瞄准世界液压领域尖端水平，坚持自主创新，坚持以设计创新和系统技术集成创新的技术发展路线，着力打造和构建由设计理念规范、产品工艺技术、检测验证技术、控制技术、系统集成技术等支撑的技术平台。

公司通过加强管理，实施品牌战略，严格按GB/T 19001、GJB 9001C、GB/T24001、GB/T45001标准建立了一套科学的、完整的、切实可行的管理体系。经过多年发展，卓远液压的综合技术开发及制造能力在国内同行业中处于领先水平，拥有数十项发明专利和实用新型专利。荣获国家高新技术企业、四川省创新型中小企业、民营企业建立现代企业制度达标企业等称号，是商业航天振泰星航产业联盟单位、四川省“专精特新”中小企业、四川机械行业国际商会商务理事单位。



COMPANY INTRODUCTION ▼

Sichuan Zhuoyuan Hydraulic Equipment Co., Ltd. (hereinafter referred to as "Zhuoyuan Hydraulic"), formerly known as Luzhou Zhuoyuan Hydraulic Co., Ltd., is located in the High-Tech Industrial Park of Luzhou City. The company specializes in the R&D and manufacturing of hydraulic cylinders, hydraulic systems, multi-valve blocks, underground compressed garbage stations, hydraulic upset friction welding equipment, heavy-duty pushing equipment, heavy-duty traction equipment, and other related products. With a focus on designing and producing complete hydraulic systems, hydraulic equipment, oil cylinders, and multi-valve blocks, Zhuoyuan Hydraulic leverages its advantages of reliable quality, comprehensive product range, and strong integration capabilities to serve a wide range of industries, including bridge lifting equipment, bridge pushing equipment, environmental protection equipment, marine engineering equipment, transportation equipment, aerospace, military, and construction machinery. The company provides customized non-standard product design, production, and full installation and debugging services.

Currently, the company boasts assets exceeding 80 million yuan, with over 200 production equipment units, including more than 50 precision, large-scale, and specialized key equipment. The workshop covers an area of 17,000 square meters, with building space exceeding 20,000 square meters. The company employs over 120 staff, more than 40% of whom hold college degrees or higher, including over 30 professional hydraulic system technicians dedicated to installation and debugging. As a leading enterprise specializing in the design, production, sales, and service of hydraulic components and integrated system products, Zhuoyuan Hydraulic has established strong capabilities in technological development, manufacturing, installation, and maintenance services, earning an excellent reputation for quality and significant market influence. The company's annual output value exceeds 100 million yuan, and its design and production capacity ranks among the top in the industry.

Adhering to the business philosophy of "pursuing development through technology and winning customers with quality," Zhuoyuan Hydraulic aims to "establish the benchmark for hydraulic components and integrated system products." The company has formed strategic alliances with research institutions such as Chongqing University and Sichuan University, leveraging extensive design and manufacturing experience and robust R&D capabilities in hydraulic components, systems, and electro-hydraulic automatic control integration. Always targeting cutting-edge advancements in the global hydraulic field, the company insists on independent innovation and follows a technological development path focused on design innovation and system integration. It is committed to building a technological platform supported by standardized design concepts, product process technology, testing and verification technology, control technology, and system integration technology.

Through strengthened management and the implementation of a brand strategy, the company has established a scientific, comprehensive, and practical management system in strict compliance with GB/T 19001, GJB 9001C, GB/T 24001, and GB/T 45001 standards. After years of development, Zhuoyuan Hydraulic's comprehensive technological development and manufacturing capabilities have reached leading levels in the domestic industry, with dozens of invention patents and utility model patents to its name. The company has been recognized as a National High-Tech Enterprise, an Innovative Enterprise of Sichuan Province, and a Modern Enterprise System Compliance Enterprise among private businesses. It is also a member of the Commercial Aerospace Zhentai Xinghang Industry Alliance, an SME recognized for "Specialization, Refinement, Uniqueness, and Innovation" in Sichuan Province, and a business council member of the Sichuan Machinery Industry International Chamber of Commerce.



主要产品及能力情况 ▼

液压缸

液压缸缸径范围为40-1000mm，工作压力16-100Mpa，多级缸可达5级，特别对油缸的缓冲性能、密封组合、多级缸技术及数字、伺服油缸拥有多项专有技术，高压、高速、特殊油缸的设计和制造质量在国内处于领先水平，年设计制造能力2万余支。

液压系统

秉承做“液压行业集成控制专家”的指导思想，满足不同用户以及应用场景需求，通过比例阀、伺服阀、传感器等元件集成，以及PLC、DCS控制系统联动，在实现力量放大、精确控制、动态响应、多功能集成及可靠性等优点的基础上，可以实现更高层次、更精准专业的自动化控制，执行更复杂的控制策略，满足多样化的工业需求。随着公司技术实力的不断进步，液压集成控制系统的功能将越来越丰富，应用领域也将不断扩展，必将为各行各业的液压系统控制的自动化和智能化发展提供强有力的支持。



CONDITION FOR MAIN PRODUCTS AND CAPABILITIES ▼

Hydraulic cylinder

The hydraulic cylinder diameter range is 40-1000mm, the working pressure is 16-100Mpa, the multi-stage cylinder can reach 5 levels, especially the buffer performance of the cylinder, seal combination, multi-stage cylinder technology and digital, servo cylinder has a number of proprietary technologies, high pressure, high speed, special cylinder design and manufacturing quality in the domestic leading level. The annual design and manufacturing capacity of more than 20,000.

Hydraulic system

Guided by the philosophy of becoming the "Integrated Hydraulic Control Expert," we strive to meet the demands of diverse users and application scenarios. Through the integration of components such as proportional valves, servo valves, and sensors, coupled with the coordinated operation of PLC and DCS control systems, our solutions build upon advantages such as force amplification, precise control, dynamic response, multi-functional integration, and reliability. This enables the achievement of higher-level, more precise, and professional automated control, the execution of more complex control strategies, and the fulfillment of varied industrial requirements. With the continuous advancement of the company's technical capabilities, the functionality of integrated hydraulic control systems will become increasingly sophisticated, and their application fields will continue to expand. This progress will undoubtedly provide robust support for the automation and intelligent development of hydraulic system control across various industries.





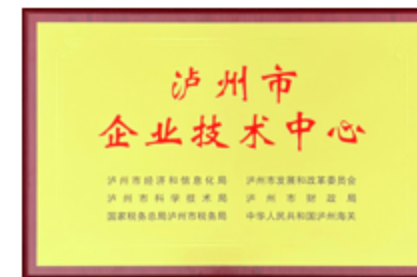
技术实力 TECHNICAL STRENGTH ▼

- ISO9001:2015 GJB 9001C-2017 质量管理体系认证
- 中国液压行业的骨干
- 国家高新技术企业
- 四川省“专精特新”中小企业
- 四川省机械行业国际商会常务理事单位
- 民营企业建立现代企业制度达标企业
- ISO9001:2015 GJB 9001C-2017 Quality Management System Certification
- The backbone of China's hydraulic industry
- National high-tech enterprises
- Sichuan Province's "Specialized, Refined, Unique, and New" Small and Medium sized Enterprises
- Executive Director Unit of Sichuan Machinery Industry International Chamber of Commerce
- Private enterprises establish modern enterprise systems to meet standards

管理手段 MANAGEMENT MEASURES ▼

- 以信息化建设促进技术进步和管理创新，实现CAD、等信息化及其技术集成
- 进行业务流程再造，实现了OA办公自动化，建立员工绩效考核激励体系
- 持之以恒的实施5S管理和“精洁”生产管理，质量管理体系有效运行
- 运用精确管理理念、OEC管理模式和信息化手段
- Promote technological progress and management innovation through information technology construction, and achieve the integration of CAD, other information technologies, and their technologies
- Conducted business process reengineering, achieved OA office automation, and established an employee performance evaluation and incentive system
- Persistently implementing 5S management and "clean" production management to ensure the effective operation of the quality management system
- Applying precise management concepts, OEC management models, and information technology tools

资质与荣誉 QUALIFICATIONS AND HONORS ▼





业绩展示 Achievement Showcase ▼



我司为广州华尔辰风电安装船定位导向平台并为其提供液压系统及油缸

Our company installed a positioning and guiding platform for the onshore installation vessel of Guangzhou Walchen Wind Power, and we also supplied the hydraulic systems and cylinders.

我司为武桥重工双体海上风电工程专用船抱桩器为其提供液压系统及油缸

We provided Wubiao Heavy Industries' specialized vessel for installing the pile gripper, along with hydraulic systems and cylinders.



港珠澳大桥中山梁场模板
为广州中基提供液压系统及油缸

The image displays the template at the Zhongji construction site of the Hong Kong-Zhuhai-Macao Bridge, and we supplied hydraulic systems and cylinders to Guangzhou Zhongji.



石武客运专线确山梁场模板
为武桥交通装备有限公司提供液压系统及油缸

The template used at the construction site of Shiwu Passenger Dedicated Line in Queshan.

Our company supplied Wubiao Traffic Equipment Co., Ltd. with hydraulic systems and cylinders.



湘桂铁路永福梁场模板

为武桥交通装备有限公司提供液压系统及油缸

The template utilized at the construction site of Xianggui

Railway in Yongfu.

We provided hydraulic systems and cylinders to Wubiao Traffic Equipment Co., Ltd.

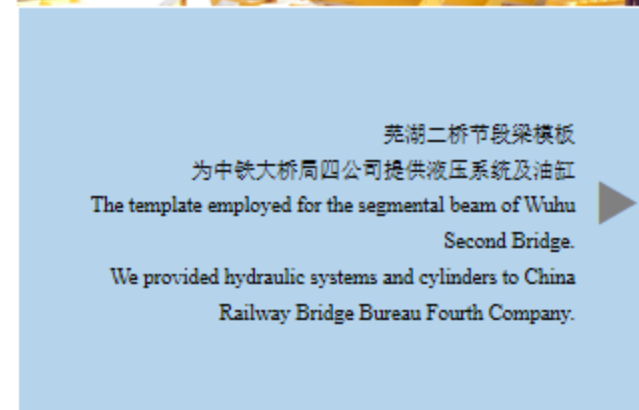


虎门二桥双孔节段梁模板

为中交二航局二公司提供液压系统及油缸

The template used for the dual-hole segmental beam of Humen Second Bridge.

Our company supplied hydraulic systems and cylinders to China Communications Second Navigation Bureau Second Company.



芜湖二桥节段梁模板

为中铁大桥局四公司提供液压系统及油缸

The template employed for the segmental beam of Wuhu Second Bridge.

We provided hydraulic systems and cylinders to China Railway Bridge Bureau Fourth Company.



石首长江大桥

为武桥交通装备有限公司提供三向千斤顶及液压系统The photo features the ShiShou Yangtze River Bridge.

Our company supplied Wubiao Traffic Equipment Co., Ltd. with three-directional jacking systems and hydraulic systems.



非洲莫桑比克马普托大桥挂篮设备

为武桥交通装备有限公司提供液压油缸

The image showcases the hanging basket equipment used for the Maputo Bridge in Mozambique, Africa.

We supplied hydraulic cylinders to Wubiao Traffic Equipment Co., Ltd., a subsidiary of Wubiao Traffic Equipment Company.

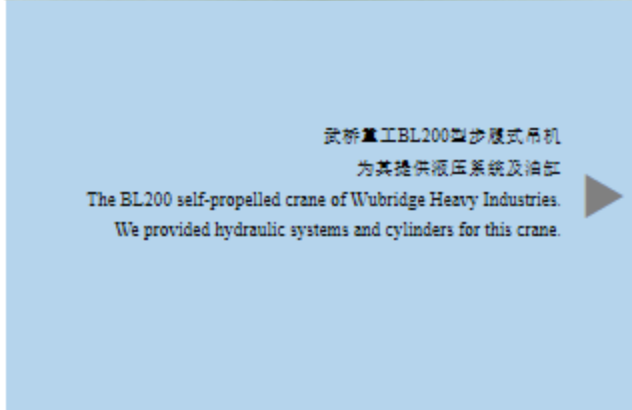




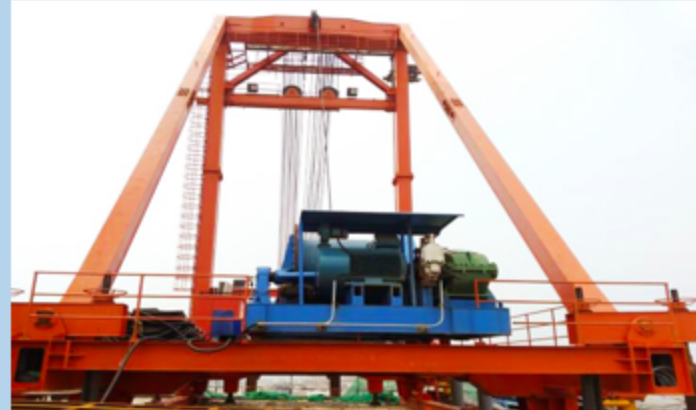
业绩展示 Achievement Showcase ▼



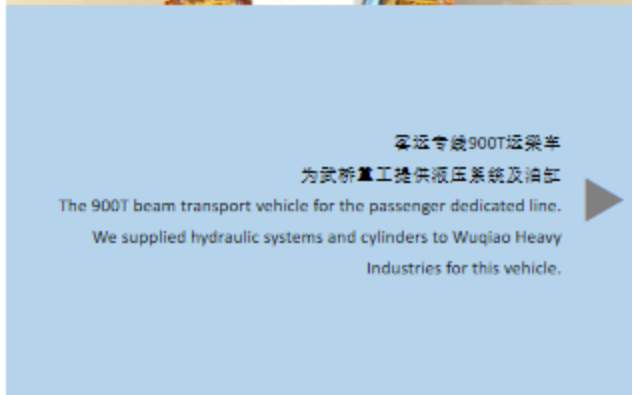
天兴洲长江大桥700T步履式架桥机
为武桥重工提供液压油缸
The 700T self-propelled bridge erecting machine for the Tianxingzhou Yangtze River Bridge.
We supplied hydraulic cylinders to Wuqiao Heavy Industries for this project.



武桥重工BL200型步履式吊机
为其提供液压系统及油缸
The BL200 self-propelled crane of Wuqiao Heavy Industries.
We provided hydraulic systems and cylinders for this crane.



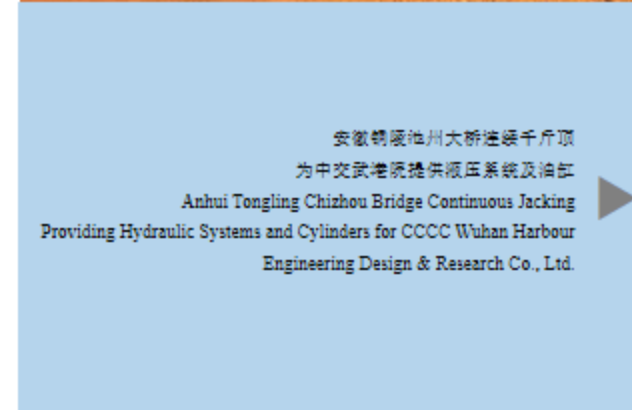
沪通长江大桥1800吨梁架起重机
为中铁九桥工程有限公司提供全套液压系统及液压油缸
The 1800-ton beam erecting crane for the Hutong Yangtze River Bridge.
We provided a comprehensive set of hydraulic systems and hydraulic cylinders to China Railway Bridge Engineering Co., Ltd. for this project.



客运专线900T运梁车
为武桥重工提供液压系统及油缸
The 900T beam transport vehicle for the passenger dedicated line.
We supplied hydraulic systems and cylinders to Wuqiao Heavy Industries for this vehicle.



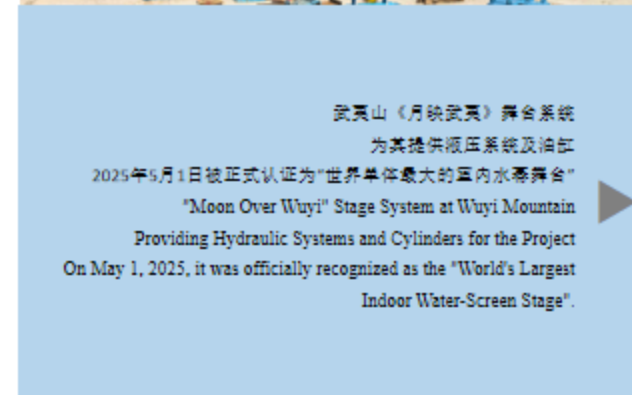
沪昆高速梨东改扩建工程钢箱梁顶推项目
为中铁十一局集团汉江重工有限公司提供液压油缸及液压系统
Shanghai-Kunming Expressway Lidong Reconstruction and Expansion Project - Steel Box Girder Incremental Launching
Providing Hydraulic Cylinders and Hydraulic Systems for CREC11 Bureau Group Hanjiang Heavy Industry Co., Ltd.



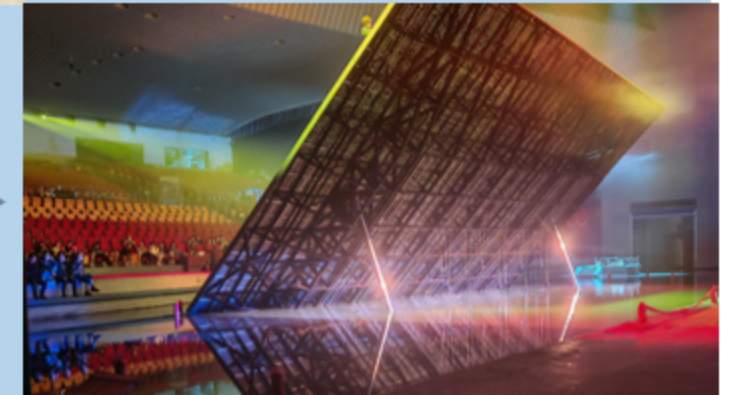
安徽铜陵池州大桥连续顶千斤顶
为中铁武汉院提供液压系统及油缸
Anhui Tongling Chizhou Bridge Continuous Jacking
Providing Hydraulic Systems and Cylinders for CCCC Wuhan Harbour Engineering Design & Research Co., Ltd.



东莞中交沉管管模
为其提供液压系统及液压油缸
Dongguan Zhongji Immersed Tube Formwork
Providing Hydraulic Systems and Cylinders for the Project



武夷山《月映武夷》舞台系统
为其提供液压系统及油缸
2025年5月1日被正式认证为“世界单体最大的室内水幕舞台”
"Moon Over Wuyi" Stage System at Wuyi Mountain
Providing Hydraulic Systems and Cylinders for the Project
On May 1, 2025, it was officially recognized as the "World's Largest Indoor Water-Screen Stage".

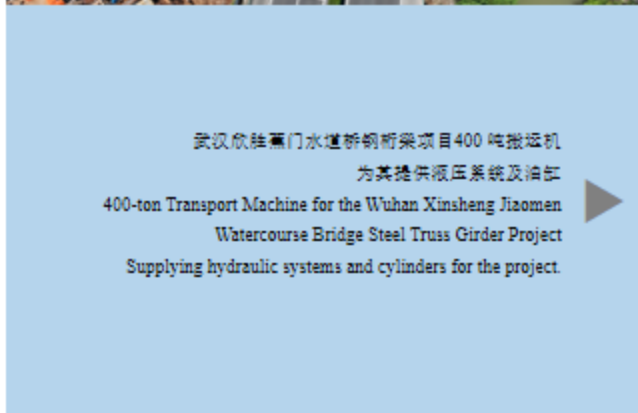




业绩展示 Achievement Showcase ▼



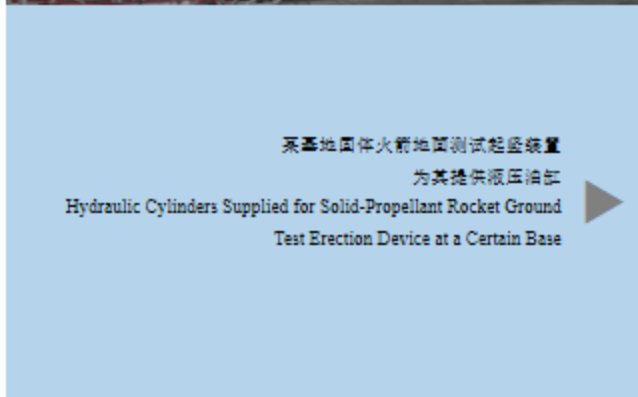
上跨G3高速钢桁梁2000吨顶推
为安徽中达顶推设备、三维步履顶推设备和落梁设备
2000-ton Incremental Launching of Steel Truss Girder Over G3 Expressway
Utilizing equipment from Anhui Zhongda: incremental launching equipment,
3D walking incremental launching equipment, and beam lowering equipment



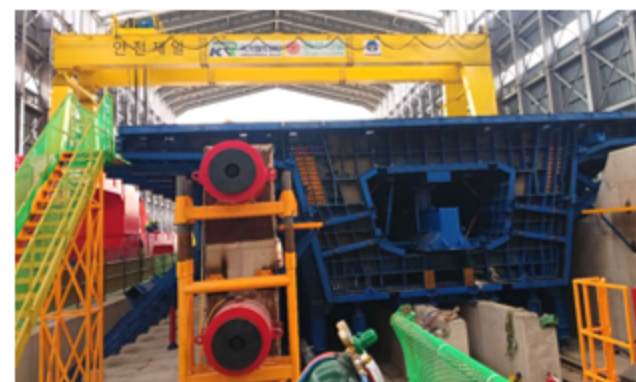
武汉欣胜薰门水道桥钢桁梁项目400吨搬运机
为其提供液压系统及油缸
400-ton Transport Machine for the Wuhan Xinsheng Jiaomen
Watercourse Bridge Steel Truss Girder Project
Supplying hydraulic systems and cylinders for the project.



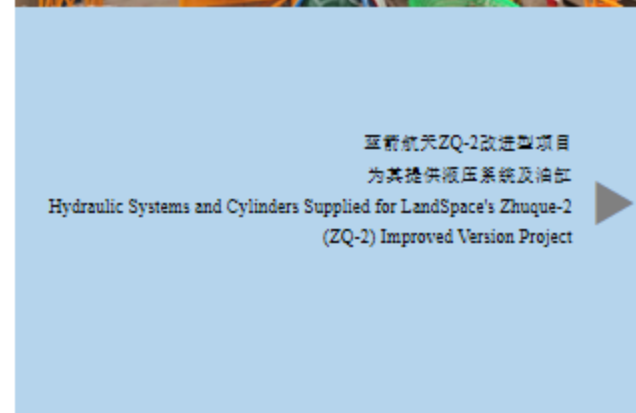
山东京冀CY-1536、CY-1537项目
为其提供全套液压系统及液压油缸
The 1800-ton beam erecting crane for the Hutong Yangtze River Bridge.
We provided a comprehensive set of hydraulic systems and hydraulic cylinders
to China Railway Bridge Engineering Co., Ltd. for this project.



某基地固体火箭地面测试起竖装置
为其提供液压油缸
Hydraulic Cylinders Supplied for Solid-Propellant Rocket Ground
Test Erection Device at a Certain Base



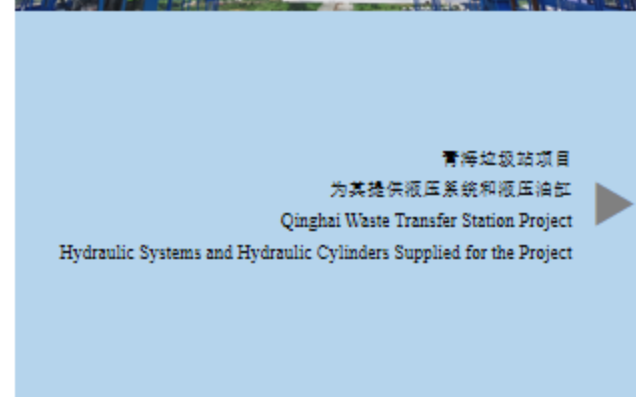
韩国某集团高铁项目《首尔-光州》先张法大箱梁首片梁
为其提供液压油缸及液压系统
Hydraulic Cylinders and Hydraulic Systems Supplied for the First Beam of Pre-
tensioned Large Box Girder in a South Korean Consortium's High-Speed Rail
Project (Seoul-Gwangju)



蓝箭航天ZQ-2改进型项目
为其提供液压系统及油缸
Hydraulic Systems and Cylinders Supplied for LandSpace's Zhuque-2
(ZQ-2) Improved Version Project



惠州2×200吨爬塔吊机
为其提供提升油缸和2×200吨提梁机液压系统
Huizhou 2×200-ton Climbing Tower Crane
Lifting Cylinders and 2×200-ton Girder Lifter Hydraulic System Supplied for
the Equipment



青海垃圾站项目
为其提供液压系统及液压油缸
Qinghai Waste Transfer Station Project
Hydraulic Systems and Hydraulic Cylinders Supplied for the Project





公司近年部分业绩介绍

Highlights of the company's recent performance in select areas.

序号 No.	行业 Industry	项目名称 Project Name	配套产品名称 Supporting Product Names	供货时间 Delivery Year
1	桥梁工程 Bridge Engineering	港珠澳项目港身承台模板 Abutment of Hong Kong-Zhuhai-Macao Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
2	桥梁工程 Bridge Engineering	澳大利亚DEL T型梁模板 Australian DEL T-shaped Beam Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2015
3	桥梁工程 Bridge Engineering	福建平潭KY5000型钻机液压系统 Hydraulic System for Segmental Beams of Pingtan, Fujian	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2015
4	桥梁工程 Bridge Engineering	印尼节段梁模板 Segmental Beam Formwork for Indonesia	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2015
5	桥梁工程 Bridge Engineering	沪甬节段梁模板 Segmental Beam Formwork for Shanghai-Hangzhou-Ningbo Railway	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
6	桥梁工程 Bridge Engineering	广州地铁七标地铁模板 Metro Formwork for Guangzhou Metro Line 7	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
7	桥梁工程 Bridge Engineering	虎门二桥PT30拼装架桥机 PT30 Assembly Bridge Machine for Humen Second Bridge	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2015
8	桥梁工程 Bridge Engineering	香港VCP项目节段梁 Segmental Beams for Hong Kong VCP Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2016
9	桥梁工程 Bridge Engineering	挂篮行走超高液压系统 High-Pressure Hydraulic System for Suspended Scaffold Walking	液压系统千斤顶 Hydraulic Jacks System	2016
10	桥梁工程 Bridge Engineering	EV模板 EV Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
11	桥梁工程 Bridge Engineering	CV模板 CV Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
12	桥梁工程 Bridge Engineering	广东地铁五标模板 Guangdong Metro Line 5 Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2014
13	油田设备 Oilfield Equipment	沙特国定升降平台 Fixed Elevating Platform for Saudi Arabia	液压系统 Hydraulic System	2016
14	桥梁工程 Bridge Engineering	中东液压台车模板 Hydraulic Table Car Formwork for the Middle East	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2016
15	桥梁工程 Bridge Engineering	水下钻架液压装置 Underwater Drilling Rig Hydraulic System	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2016
16	桥梁工程 Bridge Engineering	芜湖二桥液压 Hydraulic System for Wuhu Second Bridge	液压三向千斤顶 Hydraulic Triple Acting Jack	2016
17	桥梁工程 Bridge Engineering	沪甬长江大桥1800吨梁架起重机 Shanghai-Hangzhou Yangtze River Bridge 1800-ton Beam Erector	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2017
18	桥梁工程 Bridge Engineering	剑潭东江大桥挂篮 Jiantan Dongjiang Bridge Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2018
19	桥梁工程 Bridge Engineering	武汉阳逻港大桥紧缆机 Wuhan Yangsigan Port Bridge Cable Tightening Machine	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2018
20	桥梁工程 Bridge Engineering	江汉7桥100吨全回转架桥机 Jiangnan 7 Bridge 100-ton Full Revolving Bridge Deck Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
21	桥梁工程 Bridge Engineering	王家河特大桥挂篮 Wangjia River Extra Large Bridge Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
22	桥梁工程 Bridge Engineering	南宁邕江特大桥挂篮 Nanning Napeng Extra Large Bridge Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
23	桥梁工程 Bridge Engineering	合肥文山路桥挂篮 Hefei Wenshan Road Bridge Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
24	桥梁工程 Bridge Engineering	襄阳东西轴沉管管架 Xiangyang East-West Axis Caisson Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
25	桥梁工程 Bridge Engineering	深圳中通道40M梁模板 Shenzhen-Zhongshan Channel 40M Beam Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019

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26	桥梁工程 Bridge Engineering	大连湾沉管管架 Dalian Bay Caisson Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
27	桥梁工程 Bridge Engineering	银洲湖大桥索鞍挂篮 Yinzhou Lake Bridge Cable Saddle Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
28	桥梁工程 Bridge Engineering	明月峡70吨桥面吊机 Mingyue Canyon 70-ton Bridge Deck Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
29	桥梁工程 Bridge Engineering	鄂尔多斯3号桥吊具 Ordos Bridge No. 3 Hydraulic System for Lifting Appliances	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
30	桥梁工程 Bridge Engineering	祁云桥附壁式自爬升起重器 Qiyun Bridge Wall-Mounted Self-Climbing Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
31	桥梁工程 Bridge Engineering	荣乌高速30M箱梁模板 Rongwu Expressway 30M Box Girder Formwork	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
32	桥梁工程 Bridge Engineering	330吨梁架吊机 330-ton Beam Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
33	桥梁工程 Bridge Engineering	泸州古蔺水蔺河大桥挂篮 Gulin Shuiluhe Bridge Suspended Scaffold	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
34	桥梁工程 Bridge Engineering	福建顺兴桥爬塔吊机 Fujian Shunxing Bridge Tower Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
35	桥梁工程 Bridge Engineering	印尼雅万千斤顶架桥 Indonesia Yawan Jacking System	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
36	桥梁工程 Bridge Engineering	双溪槽CQ240T桅杆起重器 Shuangxi CQ240T Mast Crane Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
37	桥梁工程 Bridge Engineering	襄北桥75T全回转起重器 Xiangbei Bridge 75-ton Full Revolving Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
38	桥梁工程 Bridge Engineering	二公局深中通道275吨桥面吊机 Erjugu Deep Cross-Channel 275-ton Bridge Deck Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
39	桥梁工程 Bridge Engineering	常州金山路顶推项目 Jinshan Road Top Push Project in Changzhou	顶推施工 Top Push Construction	2021
40	桥梁工程 Bridge Engineering	顺兴桥爬塔吊机 Shunxing Bridge Tower Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
41	桥梁工程 Bridge Engineering	泸州合江白沙大桥钢围堰提升下放施工 Luzhou Hejiang Baisha Bridge Steel Cofferdam Lifting and Lowering Construction	连续千斤顶，液压，电液系统 Continuous Jack, Hydraulic, Electric Control System	2021
42	桥梁工程 Bridge Engineering	河南平顶山钢箱梁拖拉施工 Pingdingshan, Henan Steel Box Girder Dragging Construction	连续千斤顶，液压，电液系统 Continuous Jack, Hydraulic, Electric Control System	2021
43	桥梁工程 Bridge Engineering	闽侯二桥1000吨钢围堰下放施工 Minhou Second Bridge 1000-ton Steel Cofferdam Lowering Construction	连续千斤顶，液压，电液系统 Continuous Jack, Hydraulic, Electric Control System	2021
44	桥梁工程 Bridge Engineering	沪甬长江大桥1800吨梁架起重机改造项目 Shanghai-Hangzhou Yangtze River Bridge 1800-ton Beam Crane Modification Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
45	油田设备 Oilfield Equipment	顺德爬塔吊机 Shunde Bridge Tower Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
46	桥梁工程 Bridge Engineering	白沙桥380吨桥面吊机 Shunde Bridge Tower Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
47	桥梁工程 Bridge Engineering	斜拉索穿索机 Stay Cable Threading Machine	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
48	桥梁工程 Bridge Engineering	金沙江70吨桥面吊机 Jinsha River 70-ton Bridge Deck Crane	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
49	桥梁工程 Bridge Engineering	澳门40吨吊具液压系统 40-ton Hydraulic System for Macau Hoist Appliances	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
50	桥梁工程 Bridge Engineering	江西德胜高速A1标钢箱梁顶推施工 Daguang Expressway, Jiangxi, A1 Section Steel Box Girder Top Push Construction	顶推施工 Top Push Construction	2022

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51	桥梁工程 Bridge Engineering	江西大广A1标钢箱梁顶推施工 Daguang Expressway, Jiangxi, A1 Section Steel Box Girder Top Push Construction	顶推施工 Top Push Construction	2022
52	桥梁工程 Bridge Engineering	铜陵长江大桥塔吊 Tongling Yangtze River Bridge Tower Crane	系统、油缸、电控 System, Cylinders, Electric Controls	2022
53	桥梁工程 Bridge Engineering	塔吊机脱模系统 Tower Crane Stripping System	系统、油缸、电控 System, Cylinders, Electric Controls	2022
54	桥梁工程 Bridge Engineering	标准智能液压爬模 Standard Intelligent Hydraulic Climbing Formwork	系统、油缸、电控 System, Cylinders, Electric Controls	2022
55	桥梁工程 Bridge Engineering	30M智能T梁电控系统 30M Intelligent T-beam Electric Control System	系统、油缸、电控 System, Cylinders, Electric Controls	2022
56	桥梁工程 Bridge Engineering	昌九爬模项目 Changjiu Climbing Formwork Project	系统、油缸、电控 System, Cylinders, Electric Controls	2023
57	桥梁工程 Bridge Engineering	双柳爬模项目 Shuangliu Climbing Formwork Project	系统、油缸、电控 System, Cylinders, Electric Controls	2023
58	桥梁工程 Bridge Engineering	12.5米二衬台车液压系统 12.5-meter Second Lining Platform Car Hydraulic System	系统、油缸、电控 System, Cylinders, Electric Controls	2023
59	桥梁工程 Bridge Engineering	32.6米箱梁内模液压系统 32.6-meter Internal Mold Hydraulic System for Box Girders	系统、油缸、电控 System, Cylinders, Electric Controls	2023
60	桥梁工程 Bridge Engineering	中铁四局、上海一局搬运机 China Railway Fourth Bureau, Shanghai First Bureau Handling Machine	油缸 Hydraulic Cylinder	2023
61	冶金设备 Metallurgical Equipment	兰冶特钢厂推钢机 Lanhaote Steel Plant Billet Pusher	油缸 Hydraulic Cylinder	2023
62	环卫设备 Sanitation Equipment	泸县嘉明10立方垂直式垃圾站 Luzhou Jiaming 10 Cubic Vertical Garbage Station	整机 Machine Assembly	2023
63	环卫设备 Sanitation Equipment	青海民和县10立方地埋式压缩垃圾站 Qinghai Minhe County 10 Cubic Buried Compressed Garbage Station	整机 Machine Assembly	2023
64	环卫设备 Sanitation Equipment	广汉后湖压头压缩式垃圾站 Guanghan Rear Dump Compactor Garbage Station	整机 Machine Assembly	2024
65	专用设备 Specialized Equipment	苏州音乐厅防火幕驱动装置 Suzhou Concert Hall Fireproof Curtain Drive Device	系统、油缸、电控 System, Cylinders, Electric Controls	2019
66	专用设备 Specialized Equipment	武汉洪山礼堂防火幕驱动装置 Wuhan Hongshan Hall Fireproof Curtain Drive Device	系统、油缸、电控 System, Cylinders, Electric Controls	2020
67	专用设备 Specialized Equipment	昆明空港防火幕驱动装置 Kunming Airport Fireproof Curtain Wall Drive Device	系统、油缸、电控 System, Cylinders, Electric Controls	2022
68	专用设备 Specialized Equipment	《夜渡于都河》剧照舞台装置 "The Night Crossing the Duhe River" Theater Stage Device	系统、油缸、电控 System, Cylinders, Electric Controls	2023
69	桥梁工程 Bridge Engineering	1200T凤凰路顶推项目 1200T Fenghuang Road Roof Push Project	系统、三维千斤顶、电控 System, Three-dimensional Jack, Electric Control	2021
70	桥梁工程 Bridge Engineering	贵阳观山湖400吨步履式顶推设备 Guiyang Guanshan Lake 400-ton Crawler Top Push Equipment	系统、三维千斤顶、电控 System, Three-dimensional Jack, Electric Control	2022
71	桥梁工程 Bridge Engineering	河东长江大桥结构梁下放 Hedong Yangtze River Bridge Structural Beam Lowering	连续千斤顶、液压、电控系统 Continuous Jack, Hydraulic, Electric Control System	2023
72	桥梁工程 Bridge Engineering	沪昆高速联络线扩边顶推项目 Shanghai-Kunming Expressway Lidong Expansion Top Push Project	系统、三维千斤顶、电控 System, Three-dimensional Jack, Electric Control	2023
73	桥梁工程 Bridge Engineering	遂川至大余高速公路C2标顶推项目 Suichuan to Dayu Highway C2 Section Top Push Project	系统、三维千斤顶、电控 System, Three-dimensional Jack, Electric Control	2024

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74	桥梁工程 Bridge Engineering	景阳黄河大桥顶推项目 Xingyang Yellow River Bridge Top Push Project	系统、三维千斤顶、电控 System, Three-dimensional Jack, Electric Control	2024
75	专用设备 Specialized Equipment	折弯机液压系统 Bending Machine - Hydraulic System	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2023
76	冶金设备 Metallurgical Equipment	武钢集团昆明钢铁炼渣处理项目 WISCO Kunming Iron and Steel Slag Treatment Project	液压系统 Hydraulic System	2020
77	冶金设备 Metallurgical Equipment	山西晋钢炼渣有压热闷处理工程 Shanxi Jin Steel Pressurized Hot Storage and Treatment of Steel Slag Project	液压系统 Hydraulic System	2020
78	冶金设备 Metallurgical Equipment	建龙西林钢铁炼渣有压热闷固废环保处理 Jianlong Xilin Steel Slag Pressurized Hot Storage and Solid Waste Environmental Protection Treatment	液压系统 Hydraulic System	2020
79	冶金设备 Metallurgical Equipment	马鞍山马钢炼渣有压热闷固废环保处理 Maanshan Magang Steel Slag Pressurized Hot Storage and Solid Waste Environmental Protection Treatment	液压系统 Hydraulic System	2022
80	冶金设备 Metallurgical Equipment	北京环卫集团环卫设备 Beijing Sanitation Equipment Group	液压系统 Hydraulic System	2023
81	桥梁工程 Bridge Engineering	铁路预应力梁静载试验液压系统 Railway Prestressed Beam Static Load Test - Hydraulic System	系统、油缸、电控 System, Cylinders, Electric Controls	2023
82	船舶海工 Marine and Offshore Equipment	海上打桩船抱桩装置液压系统 Offshore Pile Driving Ship Pile Clamp - Hydraulic System	系统、油缸、电控 System, Cylinders, Electric Controls	2020
83	建筑工程 Building Construction Projects	液压防护屏系统 Hydraulic Protection Screen System	系统、油缸、电控 System, Cylinders, Electric Controls	2023
84	专用设备 Specialized Equipment	印度012项目砖机生产线 India 012 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
85	专用设备 Specialized Equipment	土耳其AFQ001砖机生产线 Turkey AFQ001 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
86	专用设备 Specialized Equipment	土耳其UZQ005砖机生产线 Turkey UZQ005 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2019
115	专用设备 Specialized Equipment	印尼059砖机生产线 Indonesia 059 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2020
117	专用设备 Specialized Equipment	印尼062砖机生产线 Indonesia 062 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
118	专用设备 Specialized Equipment	印尼INQ098砖机生产线 Indonesia INQ098 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
119	专用设备 Specialized Equipment	印尼INQ062项目砖机生产线 Indonesia INQ062 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
120	专用设备 Specialized Equipment	印尼INQ062二期项目砖机生产线 Indonesia INQ062 Phase II Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2021
121	专用设备 Specialized Equipment	印度IDQ356项目砖机生产线 India IDQ356 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
122	专用设备 Specialized Equipment	印尼059项目砖机生产线 Indonesia 059 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
123	专用设备 Specialized Equipment	印尼INQ100项目砖机生产线 Indonesia INQ100 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
124	专用设备 Specialized Equipment	印度IDQ098砖机生产线 India IDQ098 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2022
125	专用设备 Specialized Equipment	印尼INQ106-2项目砖机生产线 Indonesia INQ106-2 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2023
126	专用设备 Specialized Equipment	俄罗斯RUQ078项目砖机生产线 Russia RUQ078 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2023
127	专用设备 Specialized Equipment	印尼INQ100-3项目砖机生产线 Indonesia INQ100-3 Brick Production Line Project	液压系统、油缸 Hydraulic System, Hydraulic Cylinder	2023



产品展示 Product Showcase ▼

Товары

HSG 系列基型液压缸 HSG Series Standard Hydraulic Cylinder	22
非标准液压缸(多级缸) Non-standard Hydraulic Cylinder (Multistage Cylinder)	26
坦克轮 Tank Wheel	34
地理式垃圾分类站 Underground Waste Sorting Station	35

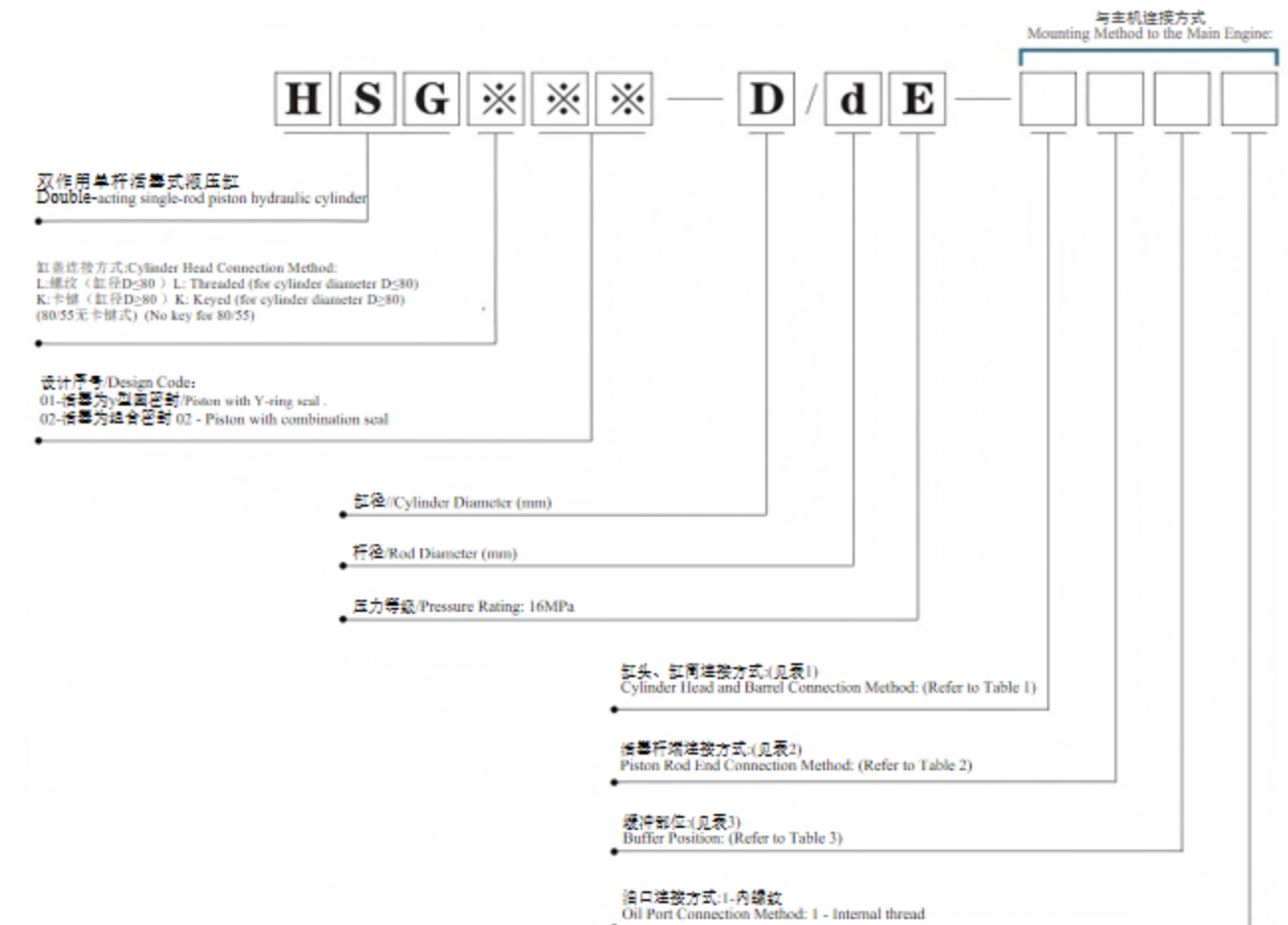
HSG系列基型液压缸 HSG Series Basic Hydraulic Cylinder ▼

HSG系列基型双作用单杆活塞式液压缸，是液压系统中往复直线运动的执行机构。具有结构简单、工作可靠、装拆方便、易于维修、可带缓冲装置及连接方式多样等特点。它适用于工程机械、矿山机械、起重运输机械、冶金机械及其它机械等。

The HSG Series is a basic double-acting single-rod piston hydraulic cylinder used as an actuator for linear reciprocating motion in hydraulic systems. It is characterized by its simple structure, reliable operation, easy installation and disassembly, convenient maintenance, availability of buffer devices, and versatile connection options. It is suitable for various applications including construction machinery, mining machinery, lifting and transportation machinery, metallurgical machinery, and other equipment.



型号说明 Model Description



缸头、缸筒连接方式 Cylinder Head and Barrel Mounting Methods

表1/Table 1

编号 /No.	连接方式 /Mounting Methods	备注/Remarks
1	缸头耳环带衬套 Cylinder Head with Ring and Sleeve	用于缸径Dz(p80 (指卡键连接) Used for Cylinder Diameter Dz (p80, indicating keyed connection)
2	缸头耳环装关节轴承 Cylinder Head with Ring and Articulated Bearing	
3	铰轴 Hinged Axis	
4	端部法兰 End Flange	
5	中部法兰 Central Flange	

活塞杆端连接方式 Piston Rod End Connection Methods

表2/Table 2

编号 /No.	连接方式 /Mounting Methods	备注/Remarks
1	杆端外螺纹 External Thread at Rod End	编号2、4、6用于缸径D≥63 No. 2, 4, and 6 are used for cylinder diameter D≥63
2	杆端内螺纹 Internal Thread at Rod End	
3	杆端外螺纹杆头耳环带衬套 External Thread at Rod End with Ring and Sleeve	
4	杆端内螺纹杆头耳环带衬套 Internal Thread at Rod End with Ring and Sleeve	
5	杆端外螺纹杆头耳环装关节轴承 External Thread at Rod End with Ring and Articulated Bearing	
6	杆端内螺纹杆头耳环装关节轴承 Internal Thread at Rod End with Ring and Articulated Bearing	
7	整体式活塞杆耳环带衬套 Integral Piston Rod with Ring and Sleeve	仅用于φ40、φ50缸径 Only used for cylinder diameters φ40 and φ50
8	整体式活塞杆耳环装关节轴承 Integral Piston Rod with Ring and Articulated Bearing	

缓冲部位 Buffer Positions

表3/Table 3

编号 /No.	连接方式 /Mounting Methods	备注/Remarks
0	不带缓冲 No buffer	φ40、φ50、φ63缸径不带缓冲; 速比φ=2时只有缸头端带缓冲。 Cylinders with diameters φ40, φ50, and φ63 do not have a buffer. For a speed ratio of φ=2, only the cylinder head end is equipped with a buffer.
1	两端带缓冲 Both ends with buffer	
2	缸头端带缓冲 Cylinder head end with buffer	
3	杆头端带缓冲 Rod end with buffer	

性能参数 Performance Parameters

表4/Table 4

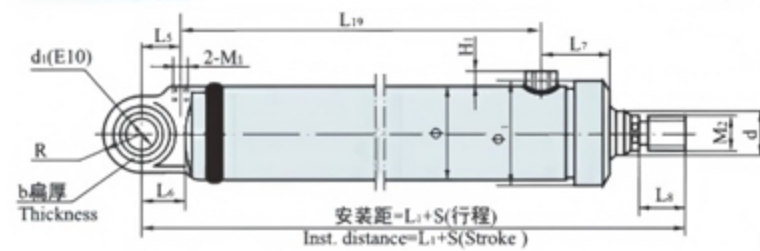
型号 /Model	公称压力 Nominal Pressure (MPa)	缸径 Cylinder Diameter (mm)	速比 Speed Ratio φ						非铰轴连接的最小行程 Minimum Stroke for Non-Hinged Axis Connection (mm)
			1.33		1.46		2		
			杆径 Rod Diameter (mm)	最大行程 Maximum Stroke (mm)	杆径 Rod Diameter (mm)	最大行程 Maximum Stroke (mm)	杆径 Rod Diameter (mm)	最大行程 Maximum Stroke (mm)	
HSGL ※※-40/dE	16	40	20	320	22	400	25	480	
HSGL ※※-50/dE		50	25	400	28	500	32	600	
HSGL ※※-63/dE		63	32	500	35	630	45	750	
HSGL ※※-80/dE		80	40	640	45	800	55	950	
HSGK ※※-80/dE		80	40	640	45	800	/	/	30
HSGK ※※-90/dE		90	45	720	50	900	63	1080	40
HSGK ※※-100/dE		100	50	800	55	1000	70	1200	40
HSGK ※※-110/dE		110	55	880	63	1100	80	1320	40
HSGK ※※-125/dE		125	63	1000	70	1250	90	1500	35
HSGK ※※-140/dE		140	70	1120	80	1400	100	1680	45
HSGK ※※-150/dE		150	75	1200	85	1500	105	1800	50
HSGK ※※-160/dE		160	80	1280	90	1600	110	1900	40
HSGK ※※-180/dE		180	90	1450	100	1800	125	2150	45
HSGK ※※-200/dE		200	100	1600	110	2000	140	2400	45
HSGK ※※-220/dE		220	110	1760	125	2200	160	2640	50
HSGK ※※-250/dE		250	125	2000	140	2500	180	3000	55

注：1、速比φ系指活塞有效面积与活塞杆腔有效面积之比。
2、最大行程原则上是
φ=1.33时，S=8D(缸径)
φ=1.46时，S=10D(缸径)
φ=2时，S=12D(缸径)
3、用户所需S大于表中规定最大行程时，不保压杆稳定，应通过双方协商解决。
4、铰轴连接的最小行程S1按表5、6、7、8选定。
5、可承接缸径φ 250至φ 700高压缸的设计制造，具体要求请与公司技术部门联系。
6、油液最高污染等级：按GB/T14039之19/16。
Note: 1. The speed ratio φ refers to the ratio between the effective area of the piston and the effective area of the rod cavity.
2. The maximum stroke is generally determined as follows:
When φ = 1.33, S = 8D (cylinder diameter)
When φ = 1.46, S = 10D (cylinder diameter)
When φ = 2, S = 12D (cylinder diameter)
3. If the required stroke (S) exceeds the maximum stroke specified in the table, it may affect the stability of the pressure-holding rod. In such cases, a resolution should be reached through mutual agreement.
4. The minimum stroke (S1) for the connecting shaft should be determined based on Table 5, 6, 7, or 8.
5. Our design and manufacturing capabilities cover hydraulic cylinders with cylinder diameters ranging from φ 250 to φ 700. For specific requirements, please contact our technical department.
6. The maximum allowable oil contamination level should adhere to the 19/16 rating specified in GB/T14039 standards.

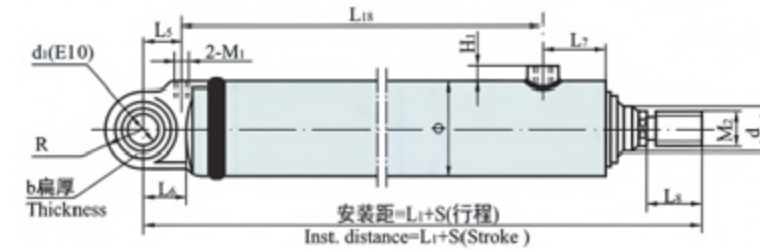
外形安装连接尺寸 External Mounting Dimensions

1、活塞杆端为外螺纹连接/The piston rod end mounted with an external threaded connection.

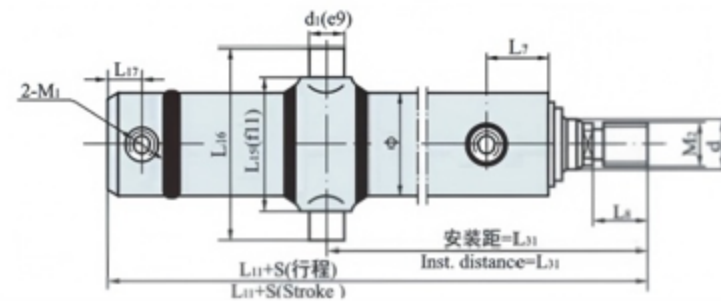
1 / Table 1



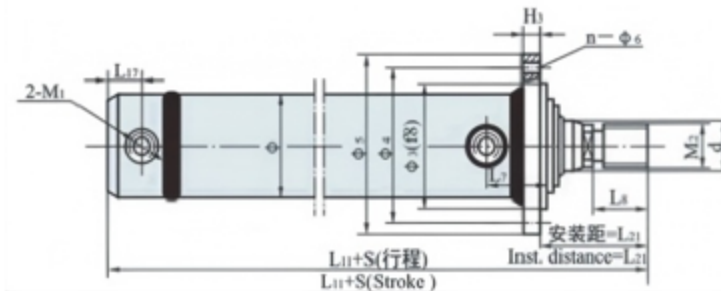
① 耳环连接/Ear Ring Connection



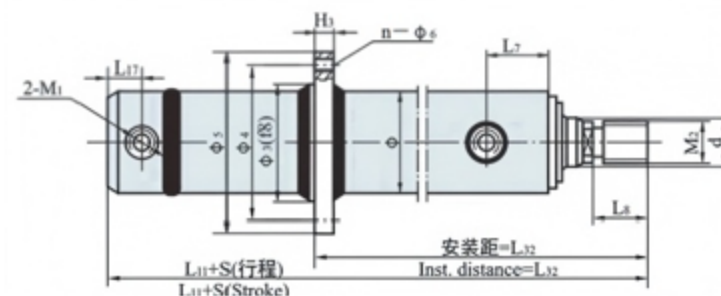
② 耳环连接/Ear Ring Connection



③ 铰轴连接 / Hinge Axis Connection



④ 端部法兰连接 / Flange Connection at End



⑤ 中部法兰连接 / Flange Connection at Center

Note: Dimensional parameters can be found on the next page (Table 5).

活塞杆端为外螺纹连接的安装连接尺寸表

Mounting Dimensional Table for Piston Rod End with External Threaded Connection

表/ Table 5

缸径D Cylinder Diameter	Φ ≤	杆径/Rod Diameter			d ₁	R	b	L ₆	M ₂	L ₈	L ₅	L ₇	L ₁ +S	M ₁	H ₁ ≤	Φ ₁ ≤	L ₁₈	L ₁₉
		速比/Speed Ratio Φ																
		1.33	1.46	2														
40	50	20	22	※25	30或O-GE20ES	25	30	M16×1.5	30	30	65	225+S	M14×1.5	15	60		81+S	
50	60	25	28	※32	30或O-GE30ES	35	40	M22×1.5	35	40		243+S	M18×1.5		72		81+S	
63	76	32	35	45				M27×1.5	40			258+S			87		93+S	
80	95	40	45	55	40或O-GE40ES	45	50	M33×1.5	45	50 △65	75 △65	300+S	M22×1.5	17	105	110+S	107+S	
90	105	45	50	63				M36×2		50 ○52	66 △76	305+S △325+S				113+S ○111+S		
100	121	50	55	70	50或O-GE50ES	60	65	M42×2	50	60	72 △82	340+S △360+S	M27×2	18		126+S		
110	127	55	63	80				M48×2	55	60 △62	77 △87	360+S △380+S				136+S ○134+S		
125	146	63	70	90				M52×2	60	60	78	370+S				140+S		
140	159	70	80	100	60或O-GE60ES	70	75	M60×2	65	70 ○72	85 △95	405+S △425+S	M33×2	20		149+S ○147+S		
150	175	75	85	105				M64×2	70	75	92 △102	420+S △440+S				147+S		
160	190	80	90	110				M68×2	75	70 ○78	100	435+S				154+S ○146+S		
180	210	90	100	125	70或O-GE70ES	80	85	M76×3	85	89	107	480+S	M42×2	23		160+S		
200	232	100	110	140	80或O-GE80ES	95	90	95	95	100	110	510+S				165+S		
220	273	110	125	160	90或O-GE90ES	105	100	105	105	110	120	560+S				184+S		
250	299	125	140	180	100或O-GE100ES	120	110	120	115	122	135	614+S				196+S		

缸径D Cylinder Diameter	L15	L16	L12+S	L17	φ3	φ4	φ5	H3	L22	n-φ6	L33	L34	S1
80	125	185	322+S	25 (缸径90带缓冲:27) (Cylinder diameter 90 with buffer: 27)	115	145	175	20	128	8-φ13.5	> 260 < 205+S	> 245 < 235+S	45
90	140	200	332+S ▲352+S		130	160	190		134 ▲144	8-φ15.5	> 275 < 215+S	> 260 < 245+S	50
100	155	230	372+S ▲392+S	30 (缸径110带缓冲:32) (缸径125带缓冲:35) (Cylinder diameter 110 with buffer: 32) (Cylinder diameter 125 with buffer: 35)	145	180	210		150 ▲160	8-φ18	> 310 < 230+S	> 290 < 270+S	50
110	170	245	392+S ▲412+S		160	195	225	22	157 ▲167	8-φ18	> 320 < 250+S	> 300 < 285+S	50
125	185	260	422+S		175	210	240		180	10-φ18	> 335 < 280+S	> 315 < 320+S	40
140	200	290	463+S ▲483+S	35 (带缓冲:With buffer:F)	190	225	260	24	201 ▲211	10-φ20	> 385 < 305+S	> 360 < 345+S	55
150	215	305	478+S ▲498+S	40	205	245	285	26	207 ▲217	10-φ22	> 400 < 320+S	> 380 < 360+S	65
160	230	320	498+S	35 (带缓冲:With buffer:G)	220	260	300	28	217	10-φ22	> 410 < 340+S	> 390 < 380+S	60
180	255	360	548+S	49	245	285	325	30	238	10-φ24	> 455 < 365+S	> 430 < 410+S	75
200	285	405	578+S	50	275	320	365	32	261	10-φ26	> 485 < 385+S	> 460 < 435+S	85
220	320	455	633+S	53	305	355	405	34	285	10-φ29	> 525 < 415+S	> 495 < 470+S	90
250	350	500	687+S	55	330	390	450	36	311	12-φ32	> 570 < 455+S	> 535 < 515+S	100

注: 1、带▲者仅为速比*i*=2时的连接尺寸。

2、常※者速比为1.7,

3、带△者仅为φ80缸卡键式尺寸。

4、铰链连接的行程不得小于表中最小行程S1值。

5、缸筒外径 ϕ 若有变化,恕不另行通知,若有特殊尺寸,请与技术部门联系。

6、常0者为常缓冲。

Note: 1. The dimensions marked with ▲ are applicable only for a speed ratio $\phi = 2$.

2. The dimensions marked with ※ correspond to a speed ratio of 1.7.

3. The dimensions marked with Δ are specific to cylinder diameter $\phi 80$ with keyed connection.

4. For hinged axis connections, the stroke should not be smaller than the minimum stroke value (S1) specified in the table.

5. Any changes in the outer diameter (ϕ) of the cylinder barrel will not be notified separately. For special dimensions, please contact the technical department.

6. The dimensions marked with O indicate the presence of a buffer.

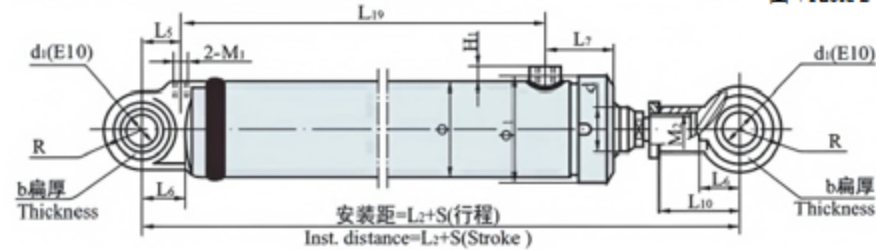


外形安装连接尺寸 External Mounting Dimensions

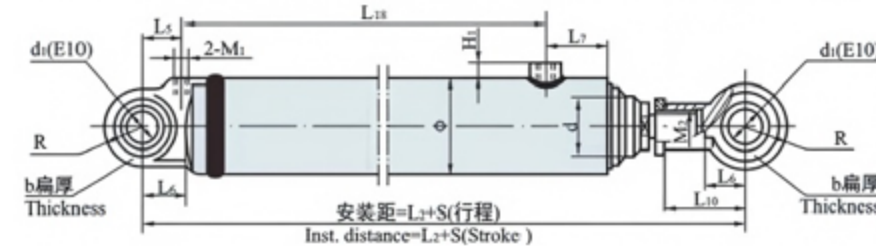
2、活塞杆端为外螺纹杆头耳环连接/The piston rod end is connected with an external threaded rod head and a clevis

图 /Table 2

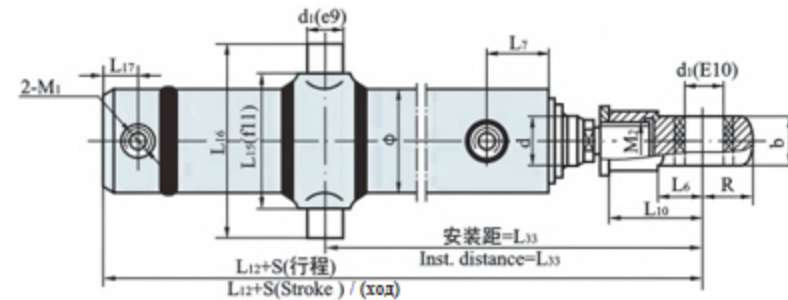
① 耳环连接/Ear Ring Connection



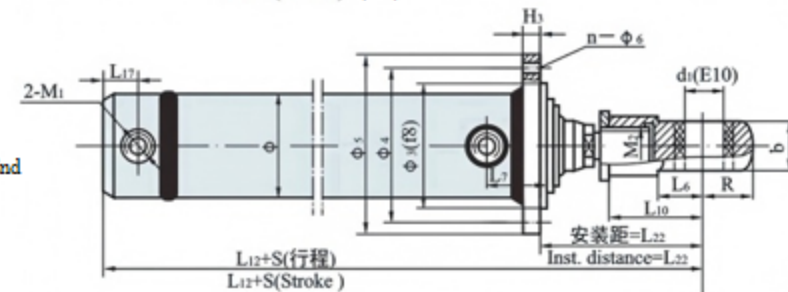
② 耳环连接/Ear Ring Connection



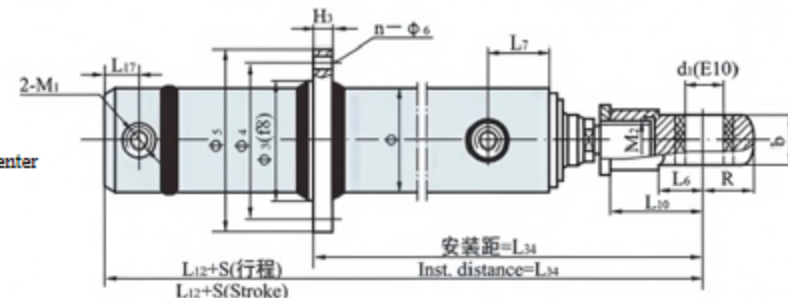
③ 铰轴连接/Hinge Axis Connection



④ 端部法兰连接/Flange Connection at End



⑤ 中部法兰连接/Flange Connection at Center



注:尺寸参数见下页(表6)

Note: Dimensional parameters can be found on the next page (Table 6).

活塞杆端为外螺纹杆头耳环连接的安装连接尺寸表

Mounting dimensional table for piston rod end with external threaded rod head and clevis connection.

表/Table 6

缸径D Cylinder Diameter	φ ≤	杆径Rod Diameter			d ₁	R	b	L ₆	M ₂	L ₁₀	L ₅	L ₇	L ₂ +S	M ₁	H ₁ ≤	φ ₁ ≤	L ₁₈	L ₁₉	
		速比Speed Ratio φ																	
		1.33	1.46	2															
40	50	20	22	※25	20或 Or GE20ES	25	30	M16×1.5	50	30		255+S	M14×1.5		60		81+S		
50	60	25	28	※32	30或 Or GE30ES	35	40	M22×1.5	60	40	65	280+S	M18×1.5	15	72		81+S		
63	76	32	35	45				M27×1.5	65			295+S						87	93+S
80	95	40	45	55	40或 Or GE40ES	45	50	M33×1.5	80	50	⁷⁵ _{△65}	347+S	M22×1.5	17	105	110+S	107+S		
90	105	45	50	63				M36×2	95	⁵⁰ _{○52} ⁶⁶ _{△76}	^{357+S} _{△377+S}								
100	121	50	55	70	50或 Or GE50ES	60	65	M42×2	110	60	⁷² _{△82}	^{402+S} _{△422+S}	M27×2	18		126+S			
110	127	55	63	80				M48×2	115	⁶⁰ _{○62} ⁷⁷ _{△87}	^{422+S} _{△442+S}								
125	146	63	70	90				M52×2	137	60	78	452+S				140+S			
140	159	70	80	100				M60×2	155	⁷⁰ _{○72} ⁸⁵ _{△95}	^{498+S} _{△518+S}								
150	175	75	85	105	60或 Or GE60ES	70	75	M64×2	160	75	⁹² _{△102}	^{513+S} _{△533+S}	M33×2	20		147+S			
160	190	80	90	110				M68×2	170	⁷⁰ _{○78}	100	533+S							
180	210	90	100	125	70或 Or GE70ES	80	85	M76×3	190	89	107	588+S	M42×2	23		160+S			
200	232	100	110	140	80或 Or GE80ES	95	90	95	M85×3	210	100	110						628+S	165+S
220	273	110	125	160	90或 Or GE90ES	105	100	105	M95×3	230	110	120						690+S	
250	299	125	140	180	100或 Or GE100ES	120	110	120	M105×3	250	122	135						754+S	25

缸径D Cylinder Diameter	L15	L16	L12+S	L17	ϕ 3	ϕ 4	ϕ 5	H3	L22	n- ϕ 6	L33	L34	S1
80	125	185	322+S	25 (缸径90带缓冲27) (Cylinder diameter 90 with buffer: 27)	115	145	175		128	8- ϕ 13.5	> 260 < 205+S	> 245 < 235+S	45
90	140	200	332+S ▲352+S		130	160	190	20	134 ▲144	8- ϕ 15.5	> 275 < 215+S	> 260 < 245+S	50
100	155	230	372+S ▲392+S	30 (缸径110带缓冲32) (缸径125带缓冲35) (Cylinder diameter 110 with buffer: 32) (Cylinder diameter 125 with buffer: 35)	145	180	210		150 ▲160	8- ϕ 18	> 310 < 230+S	> 290 < 270+S	50
110	170	245	392+S ▲412+S		160	195	225	22	157 ▲167	8- ϕ 18	> 320 < 250+S	> 300 < 285+S	50
125	185	260	422+S		175	210	240		180	10- ϕ 18	> 335 < 280+S	> 315 < 320+S	40
140	200	290	463+S ▲483+S	35 (带缓冲27带缓冲37) (Cylinder diameter 140 with buffer: 37)	190	225	260	24	201 ▲211	10- ϕ 20	> 385 < 305+S	> 360 < 345+S	55
150	215	305	478+S ▲498+S	40	205	245	285	26	207 ▲217	10- ϕ 22	> 400 < 320+S	> 380 < 360+S	65
160	230	320	498+S	35 (带缓冲27带缓冲37) (Cylinder diameter 160 with buffer: 37)	220	260	300	28	217	10- ϕ 22	> 410 < 340+S	> 390 < 380+S	60
180	255	360	548+S	49	245	285	325	30	238	10- ϕ 24	> 455 < 365+S	> 430 < 410+S	75
200	285	405	578+S	50	275	320	365	32	261	10- ϕ 26	> 485 < 385+S	> 460 < 435+S	85
220	320	455	633+S	53	305	355	405	34	285	10- ϕ 29	> 525 < 415+S	> 495 < 470+S	90
250	350	500	687+S	55	330	390	450	36	311	12- ϕ 32	> 570 < 455+S	> 535 < 515+S	100

注: 1、带▲为仅当速度比 $\phi=2$ 时的连接尺寸。

2、带※为速度比为1.7。

3、带△为仅当 ϕ 80缸卡键式尺寸。

4、铰轴连接的行程不得小于表中最小行程S1值。

5、缸筒外径 ϕ 若有变化,恕不另行通知,若有特殊尺寸,请与技术部门联系。

6、带O为带缓冲。

Note: 1. The dimensions marked with ▲ are applicable only for a speed ratio $\phi = 2$.

2. The dimensions marked with ※ correspond to a speed ratio of 1.7.

3. The dimensions marked with △ are specific to cylinder diameter ϕ 80 with keyed connection.

4. For hinged axis connections, the stroke should not be smaller than the minimum stroke value (S1) specified in the table.

5. Any changes in the outer diameter (ϕ) of the cylinder barrel will not be notified separately. For special dimensions, please contact the technical department.

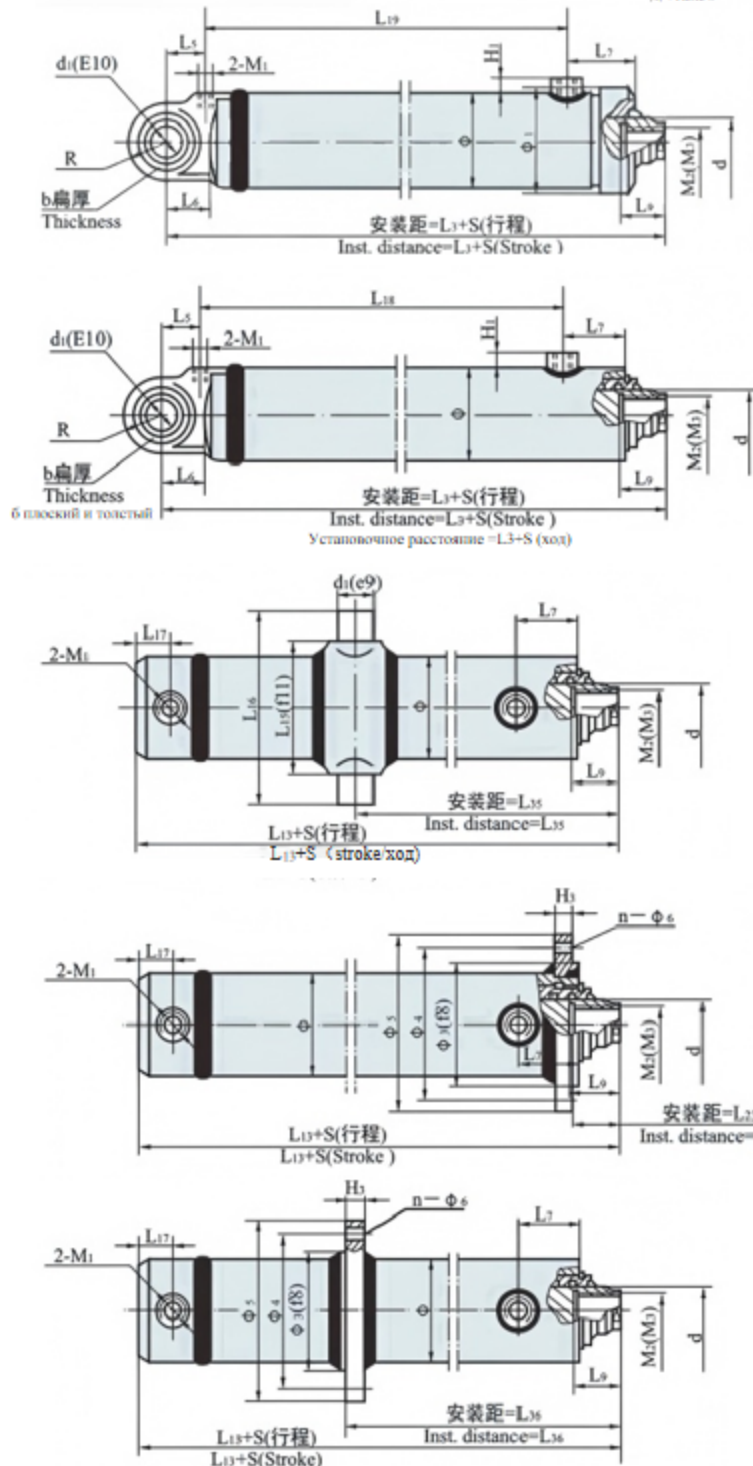
6. The dimensions marked with O indicate the presence of a buffer.



外形安装连接尺寸 External Mounting Dimensions

3、活塞杆端为内螺纹连接/The piston rod end is internally threaded for connection

图 / Table 3



注:尺寸参数见下页(表7)
Note: Dimensional parameters can be found on the next page (Table 7).

活塞杆端为内螺纹连接的安装尺寸表

Installation Dimension Table for Piston Rod End with Internal Thread Connection

表/ Table 7

缸径 Cylinder Diameter	φ ≤	杆径/Rod Diameter			d ₁	R	b	L ₆	M ₂	M ₃	L ₉	L ₅	L ₇	L ₃ +S	M ₁	H ₁ ≤	φ ₁ ≤	L ₁₈	L ₁₉
		速比/Speed Ratio φ																	
		1.33	1.46	2															
63	76	32	35	45	30或 O- GE30ES	35		40	M27×1.5	M24×1.5	35	40	65	218+S	M18×1.5	15	87		93+S
80	95	40	45	55	40或 O- GE40ES	45	50	M33×1.5	M30×1.5	40	50	75 △65	255+S	M22×1.5	17	105	110+S	107+S	
90	105	45	50	63				M36×2	M33×1.5	50	50 ○52	66 △76	260+S ▲280+S						
100	121	50	55	70	50或 O- GE50ES	60	65	M42×2	M36×2	55	60	72 △82	290+S ▲310+S	M27×2	18		126+S	136+S ○134+S	
110	127	55	63	80				M48×2	M42×2	60	60 ○62	77 △87	305+S ▲325+S						
125	146	63	70	90				M52×2	M48×2	65	60	78	310+S						
140	159	70	80	100	60或 O- GE60ES	70	75	M60×2	M52×2	70	70 ○72	85 △95	340+S ▲360+S	M33×2	20		149+S ○147+S	147+S	
150	175	75	85	105				M64×2	M56×2	75	75	92 ▲102	350+S ▲370+S						
160	190	80	90	110				M68×2	M60×2	80	70 ○78	100	360+S						
180	210	90	100	125	70或 O- GE70ES	80		85	M76×3	M68×2	90	89	107	395+S	M42×2	23		160+S	165+S
200	232	100	110	140	80或 O- GE80ES	95	90	95	M85×3	M76×3	100	100	110	415+S				184+S	
220	273	110	125	160	90或 O- GE90ES	105	100	105	M95×3	M85×3	110	110	120	455+S				196+S	
250	299	125	140	180	100或 O- GE100ES	120	110	120	M105×3	M95×3	120	122	135	499+S					

缸径D Cylinder Diameter	L ₁₅	L ₁₆	L ₁₃ +S	L ₁₇	φ ₃	φ ₄	φ ₅	H ₃	L ₂₃	n-φ ₆	L ₃₅	L ₃₆	S ₁
80	125	185	230+S	25	115	145	175		36	8-φ13.5	>170 <115+S	>155 <145+S	45
90	140	200	235+S ▲255+S	(缸径90带缓冲27) (Cylinder diameter 90 with buffer: 27)	130	160	190	20	37 ▲47	8-φ15.5	>180 <120+S	>165 <150+S	50
100	155	230	260+S ▲280+S	30	145	180	210		38 ▲48	8-φ18	>200 <120+S	>180 <160+S	50
110	170	245	275+S ▲295+S	(缸径110带缓冲32) (缸径125带缓冲35) (Cylinder diameter 110 with buffer: 32) (Cylinder diameter 125 with buffer: 35)	160	195	225	22	40 ▲50	8-φ18	>205 <135+S	>185 <170+S	50
125	185	260	280+S		175	210	240		38	10-φ18	>195 <140+S	>175 <180+S	40
140	200	290	305+S ▲325+S	35	190	225	260	24	43 ▲53	10-φ20	>225 <145+S	>200 <185+S	55
150	215	305	315+S ▲335+S	40	205	245	285	26	44 ▲54	10-φ22	>235 <155+S	>215 <195+S	65
160	230	320	325+S	35	220	260	300	28	44	10-φ22	>235 <165+S	>215 <205+S	60
180	255	360	355+S	49	245	285	325	30	45	10-φ24	>260 <170+S	>235 <215+S	75
200	285	405	365+S	50	275	320	365	32	48	10-φ26	>270 <170+S	>245 <220+S	85
220	320	455	398+S	53	305	355	405	34	51	10-φ29	>290 <180+S	>260 <235+S	90
250	350	500	432+S	55	330	390	450	36	56	12-φ32	>315 <200+S	>280 <260+S	100

注: 1. M2用于速度φ=1.46和2; M3仅用于速度φ=1.33。

2. 带▲者仅为速度φ=2时的连接尺寸。

3. 带△者仅为φ80缸卡键式尺寸。

4. 铰轴连接的行程不得小于表中最小行程S₁值。

5. 缸筒外径φ若有变化, 恕不另行通知; 需特殊尺寸, 请与技术部门联系。

6. 带O者为带缓冲。

Note: 1. M2 is used for speed ratio φ=1.46 and 2; M3 is only used for speed ratio φ=1.33.

2. The dimensions marked with ▲ are applicable only for a speed ratio φ=2.

3. The dimensions marked with △ are specific to cylinder diameter φ80 with keyed connection.

4. For hinged axis connections, the stroke should not be smaller than the minimum stroke value (S₁) specified in the table.

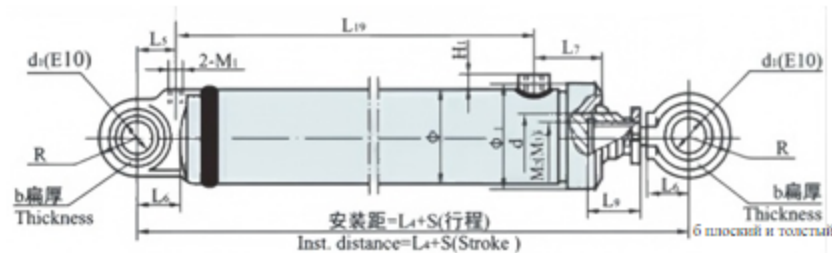
5. Any changes in the outer diameter (φ) of the cylinder barrel will not be notified separately. For special dimensions, please contact the technical department.

6. The dimensions marked with O indicate the presence of a buffer.

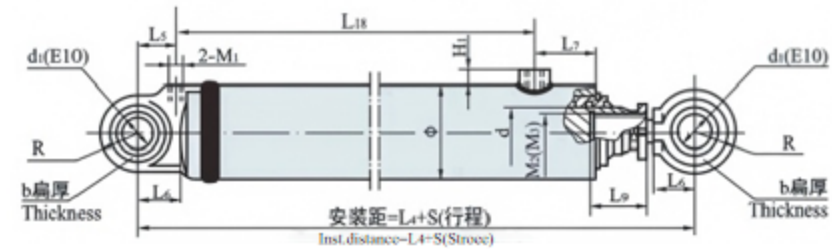
外形安装连接尺寸 External Mounting Dimensions

4、活塞杆端为内螺纹杆头耳环连接/The piston rod end is connected with an internal threaded rod head and a clevis.

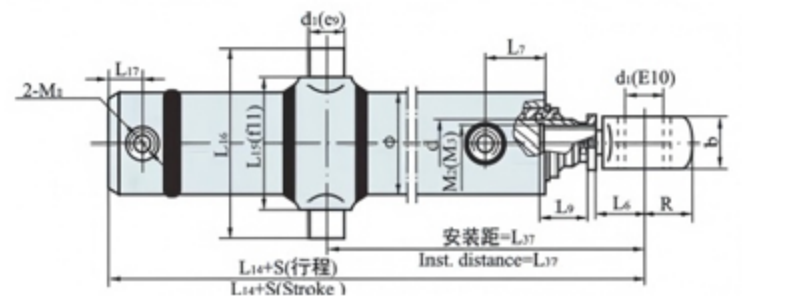
/Table 4



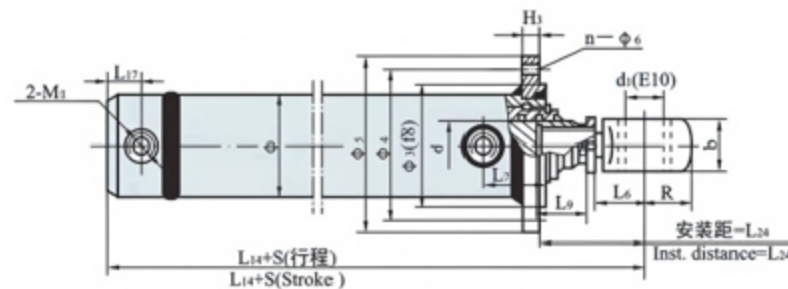
① 耳环连接/Ear Ring Connection



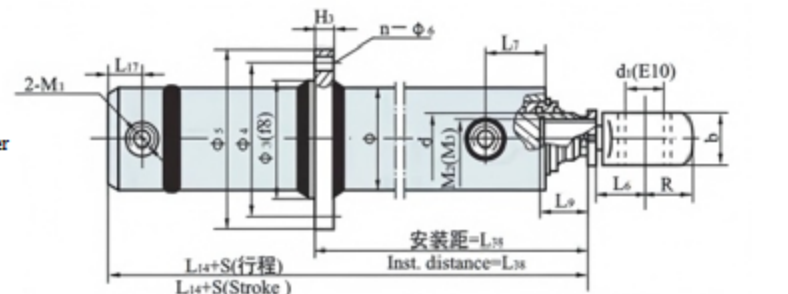
② 耳环连接/Ear Ring Connection



③ 铰轴连接 / Hinge Axis Connection



④ 端部法兰连接 / Flange Connection at End



⑤ 中部法兰连接 / Flange Connection at Center

Note: Dimensional parameters can be found on the next page (Table 8).

活塞杆端为内螺纹杆头耳环连接的安装连接尺寸表

Installation and Connection Dimension Table for Piston Rod End with Internal Threaded Rod Head and Clevis Connection

Table 8

缸径D Cylinder Diameter	Φ ≤	杆径Rod Diameter			d ₁	R	b	L ₆	M ₂	M ₃	L ₉	L ₅	L ₇	L ₄ +S	M ₁	H ₁ ≤	φ ₁ ≤	L ₁₈	L ₁₉
		速比Speed Ratio φ																	
		1.33	1.46	2															
40	50	/	22	※25	20或 Or GE20ES	25	30				30		218+S	M14×1.5	15	60		81+S	
50	60	/	28	※32	30或 Or GE30ES	35	40				40	65	240+S	M18×1.5		72		81+S	
63	76	32	35	45				M27×1.5	M24×1.5	35		270+S				87		93+S	
80	95	40	45	55	40或 Or GE40ES	45	50	M33×1.5	M30×1.5	40	50	⁷⁵ _{△65}	317+S	M22×1.5	17	105	110+S	107+S	
90	105	45	50	63				M36×2	M33×1.5	50	⁵⁰ _{○52}	⁶⁶ _{△76}	^{312+S} _{△332+S}						
100	121	50	55	70	50或 Or GE50ES	60	65	M42×2	M36×2	55	60	⁷² _{△82}	^{357+S} _{△377+S}	M27×2	18		^{113+S} _{○111+S}		
110	127	55	63	80				M48×2	M42×2	60	⁶⁰ _{○62}	⁷⁷ _{△87}	^{372+S} _{△392+S}						^{136+S} _{○134+S}
125	146	63	70	90				M52×2	M48×2	65	60	78	377+S						140+S
140	159	70	80	100	60或 Or GE60ES	70	75	M60×2	M52×2	70	⁷⁰ _{○72}	⁸⁵ _{△95}	^{418+S} _{△438+S}	M33×2	20		^{149+S} _{○147+S}		
150	175	75	85	105				M64×2	M56×2	75	75	⁹² _{△102}	^{428+S} _{△448+S}						147+S
160	190	80	90	110				M68×2	M60×2	80	⁷⁰ _{○78}	100	438+S						^{154+S} _{○146+S}
180	210	90	100	125	70或 Or GE70ES	80	85	M76×3	M68×2	90	89	107	483+S	M42×2	23		160+S		
200	232	100	110	140	80或 Or GE80ES	95	90	95	M85×3	M76×3	100	100	110			513+S		165+S	
220	273	110	125	160	90或 Or GE90ES	105	100	105	M95×3	M85×3	110	110	120			565+S		184+S	
250	299	125	140	180	100或 Or GE100ES	120	110	120	M105×3	M95×3	120	122	135			624+S		196+S	

缸径 Cylinder Diameter	L15	L16	L14+S	L17	φ3	φ4	φ5	H3	L24	n-φ6	L37	L38	S1
80	125	185	292+S	25 (缸径90带缓冲:27) (Cylinder diameter 90 with buffer: 27)	115	145	175	20	98	8-φ13.5	> 230 < 175+S	> 215 < 205+S	45
90	140	200	287+S ▲307+S	30 (缸径110带缓冲:32) (缸径125带缓冲:35) (Cylinder diameter 110 with buffer: 32) (Cylinder diameter 125 with buffer: 35)	130	160	190		89 ▲99	8-φ15.5	> 230 < 170+S	> 215 < 200+S	50
100	155	230	327+S ▲347+S		145	180	210		105 ▲115	8-φ18	> 265 < 185+S	> 245 < 225+S	50
110	170	245	342+S ▲362+S		160	195	225	107 ▲117	8-φ18	> 270 < 200+S	> 250 < 235+S	50	
125	185	260	347+S	35 (带缓冲:37 with buffer: 37)	175	210	240	24	105	10-φ18	> 260 < 205+S	> 240 < 245+S	40
140	200	290	383+S ▲403+S		190	225	260		121 ▲131	10-φ20	> 305 < 225+S	> 280 < 265+S	55
150	215	305	393+S ▲413+S		205	245	285		122 ▲132	10-φ22	> 315 < 235+S	> 295 < 275+S	65
160	230	320	403+S	35 (带缓冲:37 with buffer: 37)	220	260	300	28	122	10-φ22	> 315 < 245+S	> 295 < 285+S	60
180	255	360	443+S	49	245	285	325	30	133	10-φ24	> 350 < 260+S	> 325 < 305+S	75
200	285	405	463+S	50	275	320	365	32	146	10-φ26	> 370 < 220+S	> 345 < 320+S	85
220	320	455	508+S	53	305	355	405	34	160	10-φ29	> 400 < 290+S	> 370 < 345+S	90
250	350	500	557+S	55	330	390	450	36	181	12-φ32	> 440 < 325+S	> 405 < 385+S	100

注：1、M2用于速比 $\phi=1.46$ 和2；M3仅用于速比 $\phi=1.33$ 。

2、带▲者仅为速比*i*=2时的连接尺寸。

3、常△者仅为φ 80缸卡键式尺寸。

4、铰链连接的行程不得小于表中最小行程S1值。

5、缸筒外径 ϕ 若有变化,恕不另行通知;若有特殊尺寸,请与技术部门联系。

6、常0者为常缓冲。

Note: 1.M2 is used for speed ratios $\phi=1.46$ and 2; M3 is only used for speed ratio $\phi=1.33$.

2. The dimensions marked with ▲ are applicable only for a speed ratio $\phi = 2$

3. The dimensions marked with Δ are specific to cylinder diameter $\phi 80$ with keyed connection

4. For hinged axis connections, the stroke should not be smaller than the minimum stroke value (S1) specified in the table.

5. Any changes in the outer diameter (ϕ) of the cylinder barrel will not be notified separately. For special dimensions, please contact the technical department.

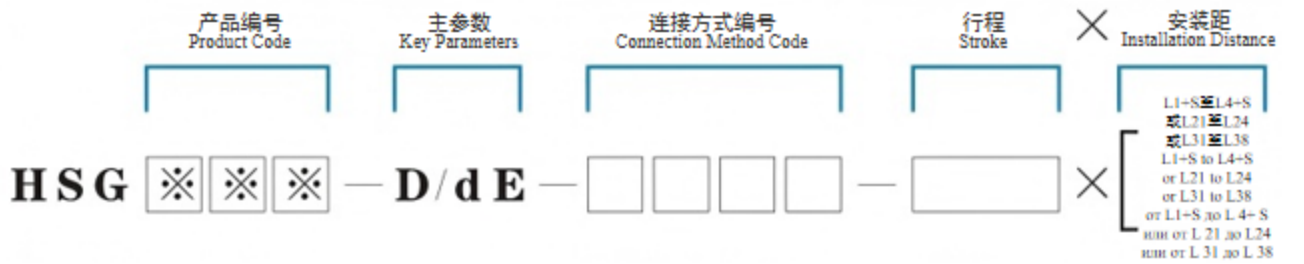
6. The dimensions marked with O indicate the presence of a buffer

选型方法 Product Selection Method

1、用户根据需要，对照“型号说明”写出连接方式编号（即“型号说明”中最后4位数字）。然后按活塞杆端的连接方式查阅图一至图四，确定需要的结构形式。按结构形式、缸径、速比、行程查阅表5至表8，确定外形安装连接尺寸。

Users should refer to the "Model Description" and identify the connection method code (last 4 digits) that corresponds to their requirements. Then, consult Figures 1 to 4 based on the connection method at the piston rod end to determine the desired structural configuration. Next, refer to Tables 5 to 8 for the structural configuration, cylinder diameter, speed ratio, and stroke to determine the appropriate external installation connection dimensions.

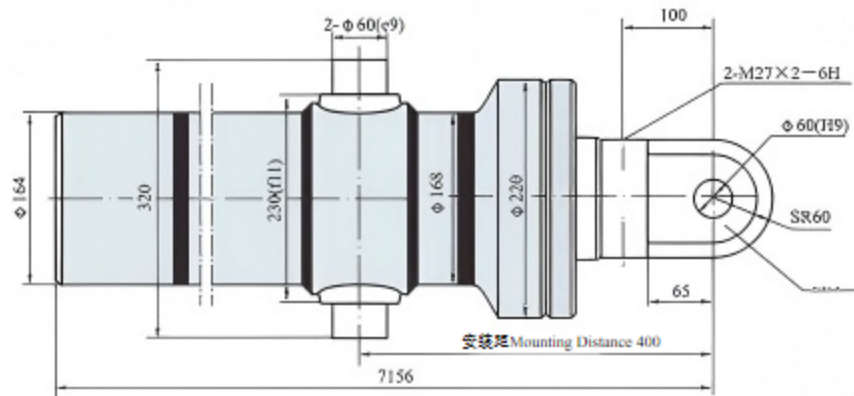
2、订货时写出完整的型号及行程、安装距：
When placing an order, please provide the complete model number along with the stroke and installation distance:



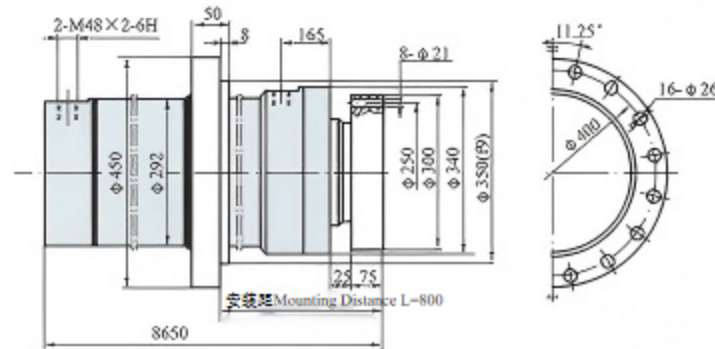


外形安装连接尺寸 External Mounting Dimensions

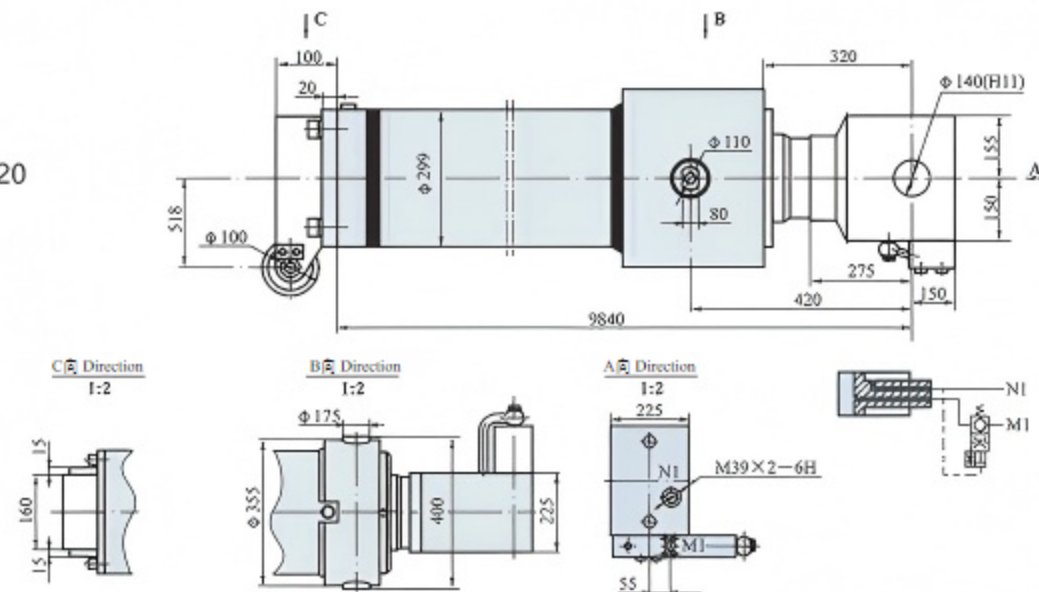
CY2073-140/125



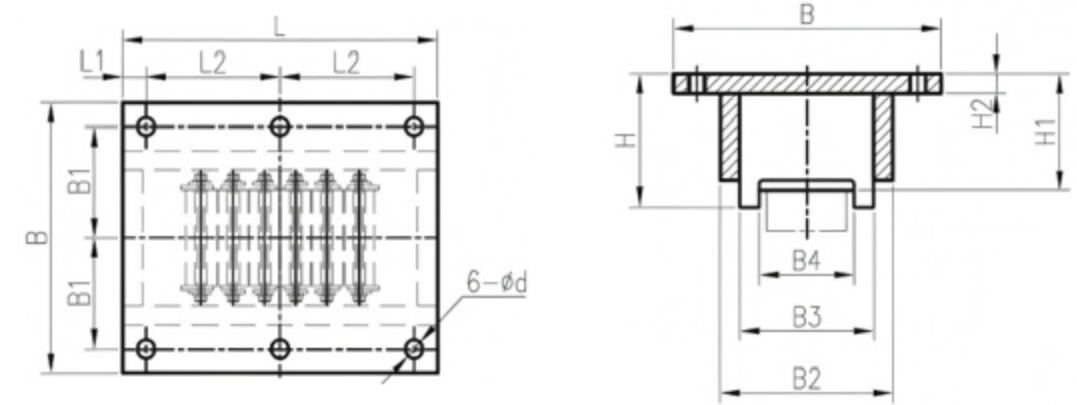
CY2559-220/180



CY2933-250/220

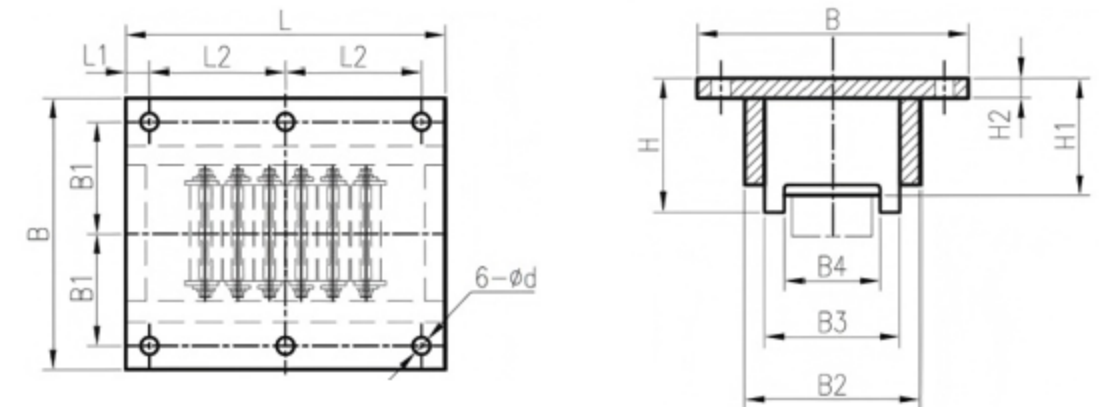


坦克轮 Tank Wheels ▼



5-30吨坦克轮参数表 /Parameter Table of Tank Wheels: 5-30 Ton Capacity

尺寸Dimensions (mm)	L	L1	L2	B	B1	B2	B3	B4	H	H1	H2	φd			
型号Model															
CYTKL-5t-L	280	40	100	340	140	196	168	120	132	112	12	18	30	3	31
CYTKL-10t-L	310	40	115	340	140	200	168	120	136	116	16	18	30	4	39
CYTKL-20t-L	340	40	130	350	145	204	168	120	138	118	18	22	30	5	46
CYTKL-30t-L	370	40	145	350	145	208	168	120	140	120	20	22	30	6	54



30-100吨坦克轮参数表 /Parameter Table of Tank Wheels: 30-100 Ton Capacity

尺寸Dimensions (mm)	L	L1	L2	B	B1	B2	B3	B4	H	H1	H2	φd	轮径 Wheel Diameter Диаметр шасси	接地轮数 Contact Wheels Контактные колеса	重量 Weight Вес
型号Model															
CYTKL-30t	400	50	150	350	145	208	168	120	170	150	20	22	38	3	66
CYTKL-50t	440	50	170	360	150	218	168	120	175	155	25	22	38	4	86
CYTKL-75t	480	50	190	370	155	228	168	120	175	155	25	26	38	5	100
CYTKL-100t	520	50	210	370	155	228	168	120	180	160	30	26	38	6	116

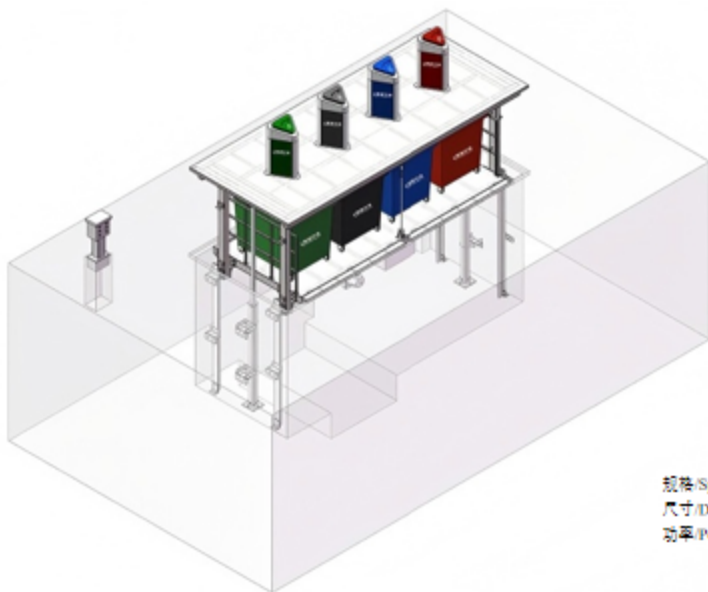
地理式垃圾分类投放站 ▼

传统的垃圾投放桶或投放箱，结构多为敞开型，功能相对简单，安置在公共区域地面上，存量小，无密封，占用大量公共面积，且影响环境美观，垃圾分类多是标识为可回收垃圾和不可回收垃圾两种，细分不够，对于生活或餐厨等湿类垃圾，其仅为开敞式盛装装置，极易容易产生污水横流，臭气熏天污染环境，如不及时清理还会滋生蚊、蝇、虫、蟑等，站内垃圾需频繁收集运走，产生较高的运输成本。

地理式垃圾分类投放站桶（可选配压缩），又称“景观式垃圾投放中心”，是一种全新概念的垃圾分类投放暂存设备，平时投放口外露在地面上，升降平台及垃圾桶沉降地面以下，生活垃圾投放后完全密闭存放，大大减少臭味散发。配有除臭消毒杀菌、防爆等模块。当垃圾满桶后，环卫车司机及工人可根据手机提示信息，对垃圾进行收集，通过控制系统将分类垃圾桶升到地面，然后翻卸至环卫车辆，然后运送至废品资源回收公司，一部分运往焚烧发电厂或填埋场所。

卓远地理式垃圾分类投放站，是一套集分类、收集、压缩（选配）、暂存等模块于一体的完整系统，是“卓远智管系统”的组成部分之一，由分类投放单元、地下垃圾桶、升降器、控制单元等组成，单桶可容纳垃圾1100L，可收集高达8种类型的垃圾。投放单元可配置卓远5G(第5代)投放系统，用户可刷卡、刷脸打开垃圾投放口，称重系统将会为垃圾称重，识别模块会识别垃圾，方便解决垃圾投放溯源、奖励或征费的问题，“集废变宝 make waste to best”，卓远产品为模块化总成式结构，安装十分方便，只需开挖好地坑，设备整体吊装入坑敷埋后即可使用。

地理式（升降式）垃圾分类投放站总成
Assembly of Underground (Lifting) Garbage Sorting and Disposal Station



规格/Specifications: 4×1100L
尺寸/Dimensions: 5.2×2.1×1.5m
功率/Power: 2.2KW

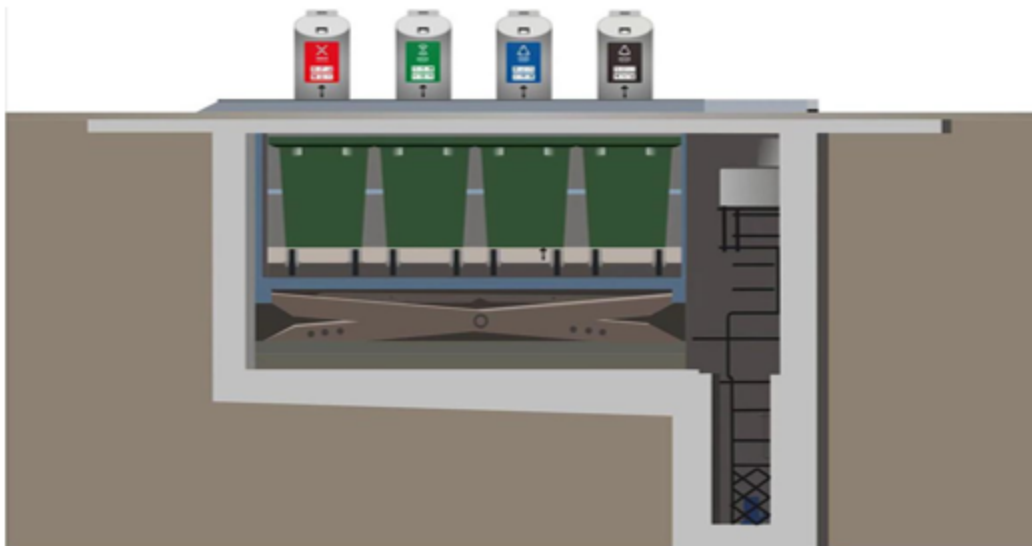
效果图 / Renderings(一)

Underground Waste Sorting Station ▼

Traditional garbage bins or disposal containers are commonly designed as open structures, providing limited functionality. They are placed on the ground in public areas, occupying significant space without proper sealing. This not only compromises the aesthetic appeal of the environment but also presents challenges for effective waste management. Typically, waste is categorized as either recyclable or non-recyclable, without finer distinctions. When it comes to wet waste like household or kitchen refuse, these bins merely serve as open receptacles, making them highly susceptible to cross-contamination from wastewater, resulting in unpleasant odors and environmental pollution. Moreover, if not promptly cleared, they become breeding grounds for mosquitoes, ants, flies, and other pests. Regular and costly waste collection is necessary within the premises to address these issues.

Underground garbage sorting and disposal stations (with optional compactors), also known as "landscape-style garbage disposal centers," represent a novel concept for temporary waste storage. These stations feature a design where the disposal opening is exposed above ground level, while the lifting platform and garbage bins are situated below ground. This arrangement ensures complete airtight storage of household waste, significantly reducing the emission of foul odors. The stations are equipped with modules for deodorization, disinfection, sterilization, and explosion prevention. When the bins reach their capacity, sanitation workers and drivers receive mobile prompts to collect the waste. Using the control system, they raise the respective categorized garbage bins to ground level, unload the waste onto sanitation vehicles, and transport it to waste recycling companies. Some of the waste may be directed to waste-to-energy plants or landfills for disposal.

The ZHUOYUAN underground garbage sorting and disposal station is a comprehensive system that integrates modules for sorting, collection, optional compaction, and temporary storage. It is an integral part of the "ZHUOYUAN Intelligent Management System." The system comprises components such as the sorting and disposal unit, underground garbage bins, lifting mechanism, and control unit. Each bin has a capacity to accommodate 1100 liters of waste and can collect up to eight different types of garbage. The sorting and disposal unit can be equipped with the advanced ZHUOYUAN 5G (5th generation) disposal system. Users can access the garbage disposal opening by swiping a card or using facial recognition technology. A weighing system accurately measures the weight of the waste, and an identification module recognizes the type of garbage. This facilitates traceability of waste disposal, incentivization, or fee collection. With the motto "make waste to best," ZHUOYUAN products adopt a modular assembly structure, making installation remarkably convenient. Simply by excavating a pit and lifting and burying the equipment as a whole, it can be readily put into use.



效果图 / Renderings(二)



地埋式生活垃圾水平压缩机 ▼ Underground Horizontal Waste Compactor

地埋式垃圾站是近年来随着我国经济高速发展，人们生活水平普遍提高，对环境保护呼声越来越高，孕育而生的环保产品。该产品置于地下1.5米深处，顶部与地面水平，顶部外表可根据用户要求装饰成草皮、瓷砖、网纹钢板、广告面的各种不同形式。

The underground waste station is an environmentally conscious product that has emerged in response to the rapid economic development and growing demand for environmental protection in China, coinciding with improved living standards. This innovative solution is installed approximately 1.5 meters below ground level, with its top surface seamlessly aligned with the surrounding ground. The top surface can be customized to meet users' preferences, offering a range of decorative options such as turf, ceramic tiles, corrugated steel plates, or even advertising panels.



ZYPL-S型

操作流程 Operating Procedure

垃圾从顶部自动（或手动）翻板式入口进入垃圾箱，可自动（或电控手动）定时压缩垃圾，反复压缩直至装满位置。同时在压缩过程中将污水排入倒污水管中，转运垃圾时垃圾箱在顶升油缸的驱动下，自动升出地面与垃圾转运车对接，由水平压缩油缸推动推板，将垃圾推入汽车封闭箱中。完毕，将带有消毒、除味的液体在高压喷枪的作用下完成清洗，再自动将垃圾箱回位到水平面。由此往复完成垃圾全封闭储存、转运的环保过程。提高了转运效率，降低了转运成本。

The garbage is directed into the waste bin through an automatic or manual flip-type entrance located at the top. It can be compressed automatically or manually controlled at regular intervals until the bin reaches its maximum capacity. During the compression process, any wastewater is directed into a drainage pipe. When it's time to transfer the garbage, the bin is lifted from the ground using a hydraulic cylinder and aligned with the garbage transfer vehicle. The horizontal compression cylinder then propels a pusher to push the waste into the enclosed compartment of the vehicle. Afterward, the bin is thoroughly cleaned using a high-pressure spray gun that applies disinfectant and deodorizing liquid. Finally, the bin automatically returns to its horizontal position. This environmentally friendly process ensures fully enclosed storage and transfer of the garbage, enhancing efficiency and reducing transportation costs.

产品特点 Product Features

- 支撑方式从“顶升方式”改为“提升方式”，极大提高了垃圾箱升降过程中的平稳性和安全性
- 产品材料优化设计，通过表面防锈、防腐处理提高产品使用寿命
- 控制部分采用PLC可编程控制器，选用三菱、西门子、施耐德和欧姆龙等国际知名品牌电器元件，经久耐用
- 液压部分：油缸选用自主研发制造、密封件采用进口PARKER，性能可靠、使用寿命长；油泵由特精帕克液压公司生产；集流阀组专业设计制造，性能稳定、噪音小
- The support method has been upgraded from "lift-up" to "elevation," significantly enhancing the smoothness and safety of the garbage bin's lifting process.
- The product's materials have been meticulously designed to optimize performance, increasing the product's lifespan through effective surface rust and corrosion prevention measures.
- The control section incorporates a programmable logic controller (PLC) and utilizes internationally recognized electrical components from reputable brands such as Mitsubishi, Siemens, Schneider, and Omron. These components are known for their durability and long-lasting performance.
- The hydraulic system includes specially developed and manufactured hydraulic cylinders, ensuring reliable performance and extended service life. The sealing components feature imported PARKER seals, renowned for their quality. The oil pump is produced by the esteemed hydraulic company, TJPARKER. The manifold valve assembly is meticulously designed and engineered, guaranteeing stable performance and minimal noise.

环保特征 Eco-friendly Features

- 本垃圾站置于地下，且是全密封结构形式，避免了太阳暴晒、雨水冲淋，从而保护了居民周边生活环境
- 全封闭避免了老鼠、蚊蝇的滋生及疾病的传染，阻止了垃圾的翻扒、捡拾
- 压缩功能可将污水压至污水管道直接排入下水道，极大缓解了污水对大气的污染
- 垃圾转运通过初压缩推至全密封的翻斗转运汽车中，避免了运输途中污染，由于经过初压缩后转入，极大提高了运输效率，降低运输成本
- This underground garbage station features a fully sealed structure, providing protection to the surrounding residential environment by shielding it from excessive sunlight exposure and rainwater.
- The complete enclosure effectively prevents the proliferation of rodents, mosquitoes, and flies, as well as the transmission of diseases. It also deters scavenging and unauthorized picking of waste.
- The compression function enables the wastewater to be compressed and directly discharged into the sewage system, significantly alleviating the pollution of the atmosphere caused by sewage.
- During the garbage transfer process, the initial compression ensures that the waste is transferred into a fully sealed tipping truck, preventing any pollution during transportation. This initial compression not only enhances transportation efficiency but also reduces transportation costs.

技术参数 Technical Specifications

项目参数/Project Parameters	单位/Unit	产品型号/Product Model		
		ZYPL-S-06	ZYPL-S-08	ZYPL-S-10
设备形式/Equipment Configuration	-	地埋式/Underground Type		
垃圾压缩形式/Garbage Compression Method	-	水平式压缩/Horizontal Compression		
设备外形尺寸/Equipment Dimensions	mm	5800x3480x1520	7050x3480x1620	7340x3580x1820
箱体有效尺寸/Container Effective Dimensions	mm	2800x1800x1200	3750x1800x1200	3900x1900x1350
垃圾投料口尺寸/Garbage Loading Inlet Size	mm	1512x700	1512x700	1612x1000
箱体容积/Container Capacity	m ³	6	8	10
驱动方式/Drive Mechanism	-	电机液压驱动/Motor Hydraulic Drive		
设备功率/Equipment Power	Kw	11	15	15
液压系统最高工作压力 Maximum Operating Pressure of the Hydraulic System	MPa	25	25	25
最大压缩力/Maximum Compression Force	T	50	63	63/80
垃圾压缩比/Garbage Compression Ratio	-	2:1-3:1 (可调/adjustable)		
垃圾块参考重量 Reference Weight of Compressed Garbage Blocks	T	4~6	5~7	7~9
电源/Power Supply	V/Hz	380/50	380/50	380/50
控制方式/Control Method метод управления	-	控制柜+无线遥控 (双控制系统) Control Cabinet plus Wireless Remote Control (Dual Control System)		
举升方式/Lifting Mechanism	-	侧边支架/油缸顶升 / Side Support Bracket / Hydraulic Cylinder Lift		
最大举升高度/Maximum Lifting Height	m	2.9	2.9	3
设备总重/Total Equipment Weight	T	8.5	9.5	12
地坑内尺寸/Dimensions Inside the Pit	mm	5720x3350x1480	6970x3350x1580	7070x3450x1780

注：不同型号，尺寸不同/Note: Different models may have varying sizes and dimensions.

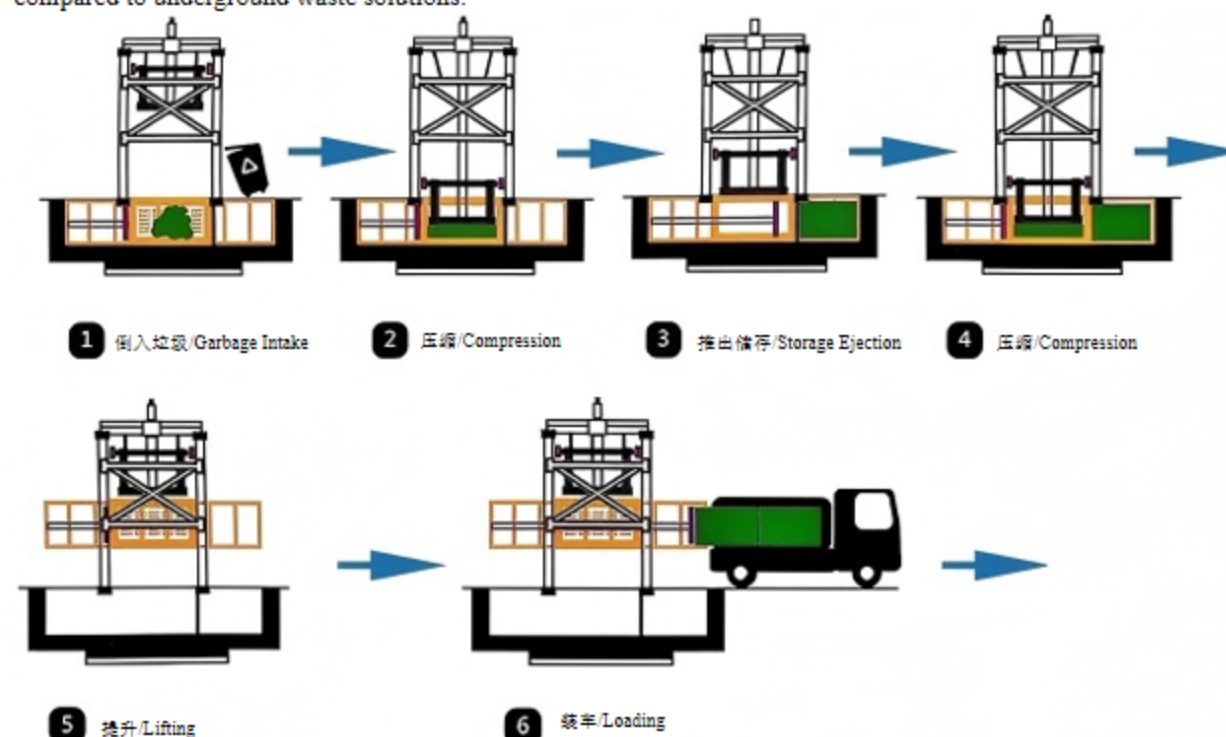
垂直式生活垃圾压缩站 ▼ Vertical Waste Compaction Station

垂直式垃圾站是近年来随着我国经济高速发展，人们生活水平普遍提高，对环境保护呼声越来越高，孕育而生的环保产品。该产品主要由垃圾箱体、门柱框架、压缩机构、喷药除臭系统和电液控制系统等组成。产品使用范围与地埋式垃圾站类似，具有压缩力大、投料方便、操作简单等优点。垂直式垃圾站结构复杂，需建设特殊结构厂房，且项目建设成本较地埋式产品稍高。

The vertical waste compaction station is an eco-friendly product that has emerged in response to the rapid economic growth in our country, the overall improvement in people's living standards, and the growing demand for environmental protection. This product consists primarily of a garbage bin, door frame, compaction mechanism, spray deodorization system, and electro-hydraulic control system. It offers similar functionalities to underground waste stations and boasts advantages such as powerful compaction force, convenient waste disposal, and user-friendly operation. However, the vertical waste compaction station features a more intricate structure, requiring the construction of specialized facilities, which slightly increases the project development cost compared to underground waste solutions.



ZYPL-C型



操作流程 Operating Procedure

垃圾从入口进入垃圾箱，定时压缩垃圾，反复压缩直至装满为止。同时在压缩过程中将污水直接排入到污水管中。第一块垃圾压实后压缩油缸推动推板将垃圾块移入存储空间,并开始第二块垃圾收集。转运垃圾时垃圾箱在油缸的驱动下，自动升出地面与垃圾转运车对接，由水平推缸推动推板，将垃圾推入汽车封闭箱中。完毕，将带有消毒、除味的液体在高压喷枪的作用下完成清洗，再自动将垃圾箱回位到水平面。由此往复完成垃圾全封闭储存、转运的环保过程。提高了转运效率，降低了转运成本。

Garbage is deposited into the trash bin through the entry point and undergoes regular compression until it reaches its maximum capacity. Simultaneously, the wastewater generated during the compression process is directly discharged into the sewage pipe. Once the first block of garbage is compacted, the compression cylinder propels the push plate to transfer the waste into the storage area, initiating the collection of the next block of garbage. During the transportation phase, the trash bin is automatically elevated from the ground and aligned with the garbage transfer vehicle, facilitated by the horizontal pushing cylinder that pushes the waste into the enclosed compartment of the vehicle. Upon completion, the bin is subjected to a thorough cleaning process using a high-pressure spray gun, ensuring disinfection and odor elimination. Finally, the bin is automatically returned to its original horizontal position. This cyclic process enables the eco-friendly storage and transportation of garbage, enhancing efficiency and reducing transportation costs.

环保特征 Eco-friendly Features

- 垃圾压实性好：设备压缩力可达100~120吨，结合PLC自动压缩技术、箱体排水、排气技术，垃圾的压缩比可达3:1，垃圾中的水分也得到一定的脱除，垃圾转运效益高
- 设备采用三支油缸接力压缩技术，降低了设备及建筑物的高度，减少了土建成本
- 压头与压缩油缸之间采用浮动高强滑块结构，受力接触面积大，导向平稳，立柱不易变形，便于调节和维护
- 备压头及推料机构采用可更换耐磨钢板和尼龙板的活塞式设计，运行平稳;主要电液元器件均为国内外知名品牌，如三菱、施耐德、欧姆龙等，设备长期运行可靠性高
- 产品所有结构件均经过抛丸、除锈、喷涂处理，使用寿命长
- 多种环保措施降低环境污染:喷雾降尘除臭、污水收集与排放系统、压头自动封闭、噪音控制等多项环保措施

- Superior Compression Performance: The equipment boasts a remarkable compression force of 100-120 tons. It combines advanced PLC automatic compression technology, box drainage and exhaust systems, achieving an impressive garbage compression ratio of 3:1. This process also effectively removes moisture from the waste, enhancing the efficiency of garbage transportation..
- The equipment employs a relay compression technology with three hydraulic cylinders, resulting in reduced equipment and building heights, thereby minimizing construction costs.
- A floating high-strength sliding block structure is utilized between the compression head and the hydraulic cylinders, ensuring a large contact area, smooth guidance, and minimal column deformation. This design facilitates easy adjustment and maintenance
- For optimal functionality, the compression head and feeding mechanism feature a piston-based design with replaceable wear-resistant steel plates and nylon plates, ensuring stable operation. Moreover, the equipment relies on reputable domestic and international brands for its primary electro-hydraulic components, such as Mitsubishi, Schneider, and Omron, guaranteeing exceptional long-term reliability.
- All structural components undergo thorough treatment, including shot blasting, rust removal, and spray coating, ensuring an extended lifespan.
- To mitigate environmental impact, the equipment incorporates multiple eco-friendly measures, including dust suppression and deodorization through spray mist, a comprehensive sewage collection and discharge system, automatic sealing of the compression head, and noise control mechanisms.

技术参数 Technical Specifications

		产品型号/Product Model	
项目参数/Project Parameters	单位/Unit	ZYPL-C-08	ZYPL-C-10
设备形式/Equipment Configuration	-	垂直式/Vertical Type	
垃圾压缩形式/Garbage Compression Method	-	垂直压缩/Vertical Compression	
设备外形尺寸（地上部分） Equipment Dimensions (above ground)	mm	5600x3300x5618	6200x3500x5818
设备外形尺寸（地下部分） Equipment Dimensions (below ground)	mm	6356x1600x2280	7000x1600x2280
箱体容积/Container Capacity	m3	4.2x2	5.2x2
设备功率/Equipment Power	Kw	22	22
液压系统最高工作压力 Maximum Operating Pressure of Hydraulic System	MPa	25	25
最大压缩力/Maximum Compression Force	T	100	120
垃圾压缩比/Garbage Compression Ratio	-	3:1	3:1
装载垃圾总重量/Total Weight of Loaded Garbage	T	7~8	8~10
垃圾块尺寸/Size of Compressed Garbage Blocks	mm	1700x1800x1400	2050x1800x1400
电源/Power Supply/Источник питания	V/Hz	380/50	380/50
设备重量/Equipment Weight	T	14	16
油缸压缩方式/Compression Method of Hydraulic Cylinders	-	三缸接力压缩/Three-Cylinder Relay Compression	
控制方式/Control Method	-	PLC自动控制+手动控制，控制柜+移动控制盒双操作系统 PLC Automatic Control & Manual Control, Control Cabinet & Mobile Control Box Dual Operating System	
辅助功能/Additional Features	-	喷雾降尘除臭、污水定向手机导排 Spray Dust Suppression and Deodorization, Directed Sewage Discharge	

注：不同型号，尺寸不同/Note: Different models may have varying sizes and dimensions.

售后服务介绍 After-Sales Service Introduction

我公司售后服务由多名经验丰富的现场工程师和高级技师组成，为客户提供周到细致的售前、售中、售后服务，确保用户设备的良好运行。

公司采用专用客户管理系统对售出设备进行管理,为每个客户建立专用的电脑档案,对客户设备各项相关资料进行历史记录,以保证定时提醒售后服务部门对该设备进行设备保养,故障排除等跟踪服务,并定时对客户进行日常回访和使用情况调查,做好用户使用过程中的定期免费巡检工作。

Our company's after-sales service is provided by a team of experienced on-site engineers and senior technicians who offer meticulous pre-sales, during-sales, and after-sales support. Our goal is to ensure the optimal functioning of our customers' equipment. To effectively manage the sold equipment.

Our company utilizes a specialized customer management system. Each customer is assigned a dedicated computer profile, which maintains a comprehensive record of their equipment and related information. This system enables our after-sales service department to schedule timely reminders for equipment maintenance, troubleshooting, and other necessary follow-up services. Additionally, we conduct regular customer visits and surveys to gather feedback on their usage experiences, and we provide periodic free inspections to ensure the equipment operates smoothly.

售后服务承诺 After-Sales Service Commitment

服务宗旨:快速、果断、准确、周到、彻底服务目标:服务质量赢得用户满意服务效率:24小时售后服务,全天候接待,接到用户求助信息30分钟内响应。48个小时内达到事故现场并开始维修。

Service Philosophy: Fast, decisive, accurate, meticulous, and thorough. Service Goals: To win customer satisfaction through the quality of service. Service Efficiency: We provide 24-hour after-sales service, offering round-the-clock assistance. We guarantee a response within 30 minutes upon receiving customer inquiries. Our team will arrive at the accident site and begin repairs within 48 hours.

