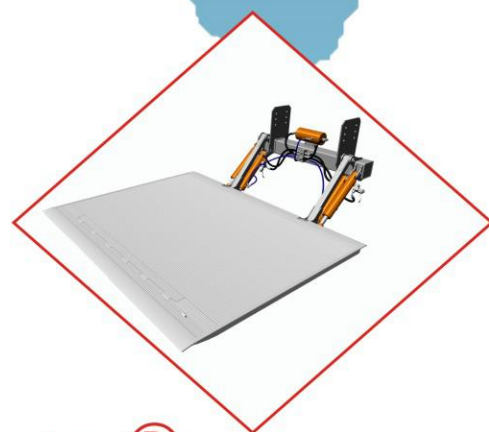


真正超高强度轻量化尾板!



SHUANGJI

柳州双吉机械股份有限公司
Liuzhou Shuangji Machinery Co., Ltd.



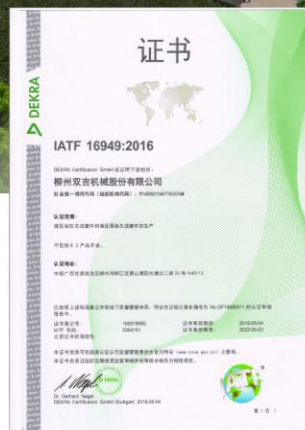
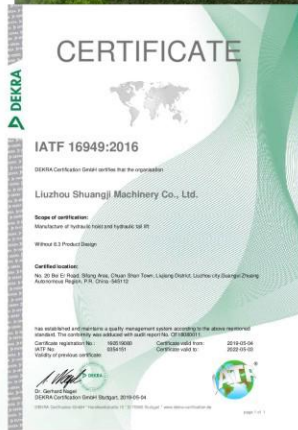
双吉尾板®

双吉好运®

轻量化·节能高效

Lighter Weight Energy Conservation Higher Efficiency





柳州双吉机械股份有限公司成立于2001年，是中国专业生产液压机械产品的制造商。我公司位于中国西南最大的汽车及零配件生产基地-柳州市，公司于2009年开始投身于液压产品行业。目前公司占地33.8亩，标准生产厂房超过一万五千多平米，拥有现代化的各类专业的机械加工设备包括加工中心、数控车床，机器人焊接设备、激光切割机、等离子切割机、专用镗缸机，专用油缸车削中心，剪板、折弯、冲压等设备。多年来我们不断提高产品质量，并严格按照IATF 16949国际质量管理体系执行。

我们拥有自主品牌“”、“双吉好运”、“双吉尾板”、“”，目前我们已研发制造出汽车液压尾板、自卸车用套筒式液压油缸、KRM系列液压油缸举升系统、翼开式车厢系统，勾臂系统和各类车厢等产品，同时我们也可以根据客户的要求定制产品。

作为一个充满活力和富有创新意识的团队，我们一直致力于液压产品的研发，生产，销售及售后服务的提高。秉承“严谨，务实，创新”的宗旨，我司将先进的液压技术推向国内外市场。目前我公司产品已经出口到东南亚、欧美、中东、非洲及澳洲等30多个国家和地区。同时也在为东风公司、一汽集团、柳州欧维姆等公司进行产品配套生产。

我司产品因质量稳定、价格合理而赢得广大客户的认可和青睐。

Founded in the year of 2001, Liuzhou Shuangji Machinery Co., Ltd. is one of the leading professional manufacturers of hydraulic products. We are located in Liuzhou, which is the largest production base of Automobile and Auto parts in Southwest of China. We started to produce the Hydraulic products in 2009. Our factory covers 33.8 acres, with standard workshops more than 15,000 square meters. Now we have advanced processing machines including machining center, CNC lathe machine, Robot welding equipment, laser cutting machine, cylinder boring machine, cylinder turning center, plasma cutting machine, bending and punching machine etc. We keep improving the quality management system. Now we have got the certification of IATF 16949.

Under the Brand of "SHUANGJI", at present we have hydraulic Tail lift, Telescopic Hydraulic Cylinders, KRM lifting system series, wing box hydraulic system, arm roll system, kinds of truck body etc. Meanwhile we can produce machining products for our customers as their special requirement.

As a team with innovation and vitality, we are specializing in developing, manufacturing, sales and after sales service of Hydraulic products. With the tenet of "Rigorous, Pragmatic, and Creative", we make a huge investment to introduce our advanced hydraulic technology at home and abroad. Till now, we have successfully exported to Southeast Asia, European and American countries, Middle East, Africa and Australia etc. Meanwhile we supply our products to domestic famous factories such as DFAC, FAW & OVM. Our products have been accepted by the markets and customers since the high quality and reasonable price.





产品特点： Products Feature

- 1、核心部件广泛采用英国、意大利及美国等进口配件（如密封件采用英国赫莱特Hallite，动力单元接触器采用美国铨特等），主要部件均采用国内外一流品牌。**
The core components are widely adopted the imported technology from England ,Italy,U.S. All the main components are using the first-class brand at home and abroad .
- 2、液压油缸采用自主设计专利密封结构型式，其中油缸材料采用低碳锰合金无缝钢管，减重15%、强度提高20%；连接铰耳采用热锻打成型、强度高，重量减轻15%。活塞杆采用调质高频杆，镀铬层单边厚度0.03mm以上，可以大幅度的提升产品可靠性及稳定性。**
The hydraulic cylinders use leak proof structure style which is our independent designed patent . The oil cylinder is made of low carbon manganese alloy seamless steel tube, which can reduce weight by 15% but increase strength by 20% ;The connecting hinge is formed by hot forging, It is with high strength but weight reduction of 15%. Piston rod adopts quenching and tempering high frequency rod with single side thickness of chrome-plated more than 0.03mm, it can drastically improve the product's reliability and stability
- 3、结构件材料采用Q700高强度钢材(一般生产厂家普遍采用Q235或Q355材料),应用率达到95%以上,整体重量更轻、强度更高。**
The structural parts adopts high-strength steel Q700 with an application rate of over 95%. The overall weight is lighter and the strength is higher.
- 4、液压系统、控制系统进一步优化，管路、电路及接头采用集成技术，系统更简单、更可靠，安装维护更便捷。**
Hydraulic system and control system are further optimized. Pipelines, circuits and joints adopt integrated technology, which makes the system be simpler , more reliable and easier to install and maintain.
- 5、翻转油缸和举升油缸集成了防爆阀及电磁阀（专利结构），可保证尾板在使用中如遇突发情况（如管路爆裂等）下避免事故的发生。**
Titling cylinders and lifting cylinders are integrated with explosion-proof valve and solenoid valve (patented structure), which ensures that the tail lift can avoid accidents in case of emergencies in use (such as pipe burst, etc.).
- 6、平板总成可选用铝制面板，其采用高强度铝合金材料，重量更轻、结构简单、强度更高。**
The plate assembly is available with aluminum plate, which is made of high-strength aluminum alloy material with lighter weight, simple structure and higher strength.



数控锯床
NC Sawing
Machine



CNC加工中心
CNC Machine
Center



剪板机
Plate Shearing
Machine



油缸车削中心
Cylinder Turing
Center



油缸内孔加工设备
Cylinder Inner Hole
Processing Equipment



激光切割机
Laser Cutting
Machine



机器人焊接机器
Robot Welding
Machine



油缸清洗机
Cylinder Cleaning
Equipment

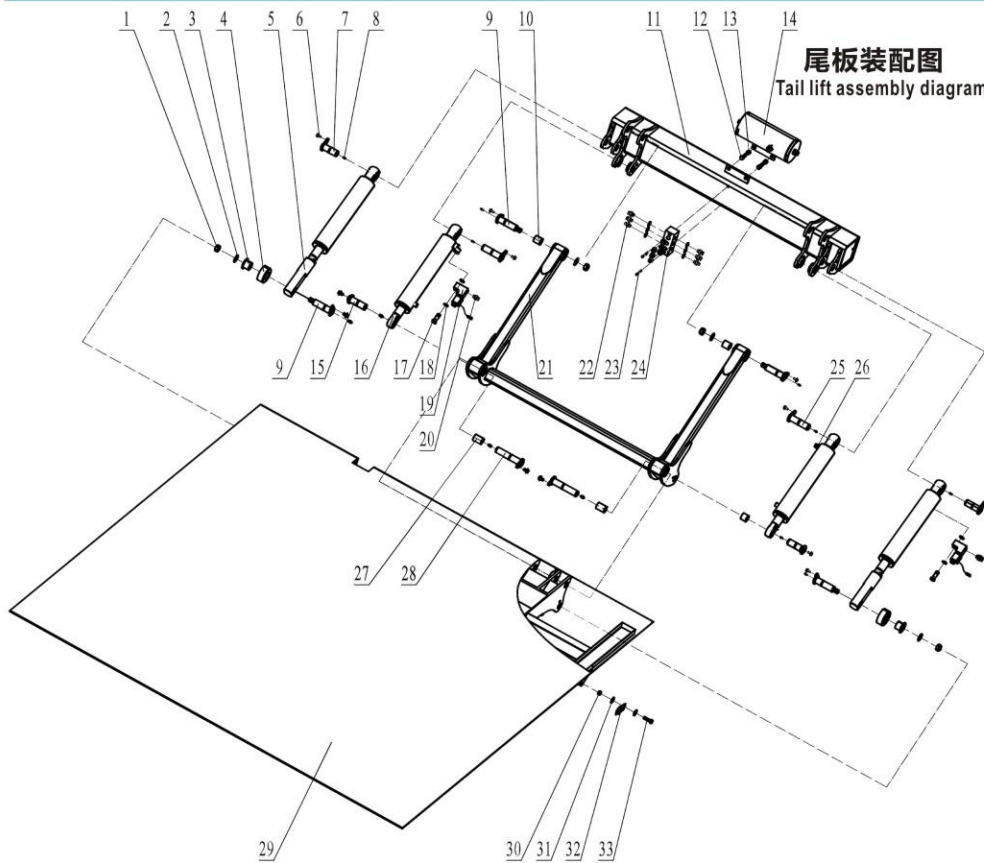


油缸装配设备
Cylinder Assembly
Equipment



油缸检测设备
Cylinder Testing
Equipment

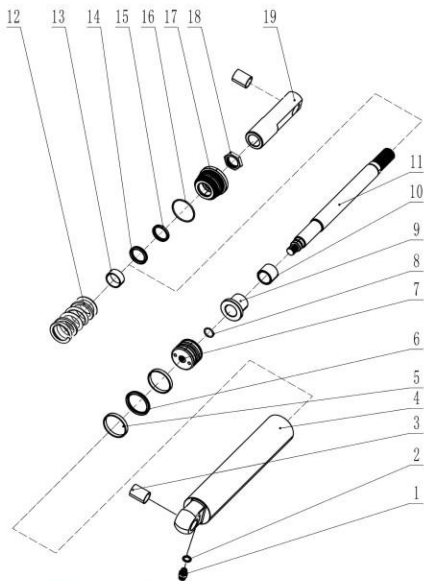




尾板装配图

Tail lift assembly diagram

- | | |
|--|-------------------------------------|
| 1. 防松螺母
Locknut | 18. 组合垫片
Compound gasket |
| 2. 平垫
Flat gasket | 19. 电磁阀
Solenoid valve |
| 3. 尼龙轮套
Nylon wheel sleeve | 20. 直通接头
Straight joint |
| 4. 尼龙轮
Nylon wheel | 21. 举升臂总成
lifting arm assembly |
| 5. 关门缸总成
Titling cylinder assembly | 22. 直通接头
Straight joint |
| 6. 法兰面六角螺栓
Flange hexagon bolt | 23. 内六角螺栓
Hexagon socket bolt |
| 7. 支座销轴1
Support pin shaft no.1 | 24. 三通阀块
Three-way valve block |
| 8. 黄油嘴
Grease fitting | 25. 支座销轴2
Support pin shaft No.2 |
| 9. 滚轮销轴
Roller pin shaft | 26. 防爆阀
Explosion-proof Valve |
| 10. 衬套
Bushing | 27. 衬套
Bushing |
| 11. 尾板支座
Steel support | 28. 平板销轴
Plate pin shaft |
| 12. 法兰面六角螺栓
Flange hexagon bolt | 29. 平板总成
Plate assembly |
| 13. 防松螺母
Locknut | 30. 防松螺母
Locknut |
| 14. 增压缸总成
Balance cylinder assembly | 31. 平垫
Flat gasket |
| 15. 举升臂销轴
Lifting arm pin shaft | 32. 活动扣
Movable buckle |
| 16. 举升缸总成
Lifting cylinder assembly | 33. 法兰面六角螺栓
Flange hexagon bolt |
| 17. 空心螺栓
Hollow bolt | |



关门缸总成图 Titling cylinder assembly diagram

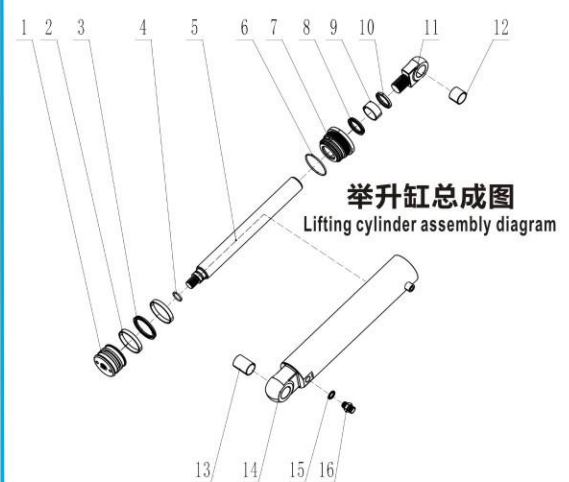
- | | |
|--|--|
| 1. 接头
Joint | 10. 限位座套
Limited support cover |
| 2. 组合垫
Compound gasket | 11. 活塞杆
Piston Rod |
| 3. 双金属衬套
Bi-metal Bushes | 12. 弹簧
Spring |
| 4. 关门缸总成
Titling cylinder tube assembly | 13. 导向环
Guide ring |
| 5. 导向环
Guide ring | 14. 密封圈
Seal ring |
| 6. 密封圈
Seal ring | 15. 防尘圈
Dust ring |
| 7. 活塞
Piston | 16. O型圈
O ring |
| 8. O型圈
O ring | 17. 缸盖
Cylinder head |
| 9. 弹簧座套
Spring support cover | 18. 六角薄螺母
Hexagonal thin nut |
| | 19. 关门缸上铰轴耳
Titling cylinder upper hinged ear |



增压缸总成图

Balance cylinder assembly diagram

- | | |
|---|-------------------------------|
| 1. 接头
Joint | 7. 组合圈
Compound ring |
| 2. 组合垫
Compound gasket | 8. 小缸筒
Small cylinder tube |
| 3. 大缸筒总成
big cylinder assembly | 9. O型圈
O ring |
| 4. 组合圈
Combination ring | 10. O型圈
O ring |
| 5. 活塞总成
Piston assembly | 11. 缸盖
Cylinder cover head |
| 6. 圆柱压缩弹簧
Cylindrical compression spring | |

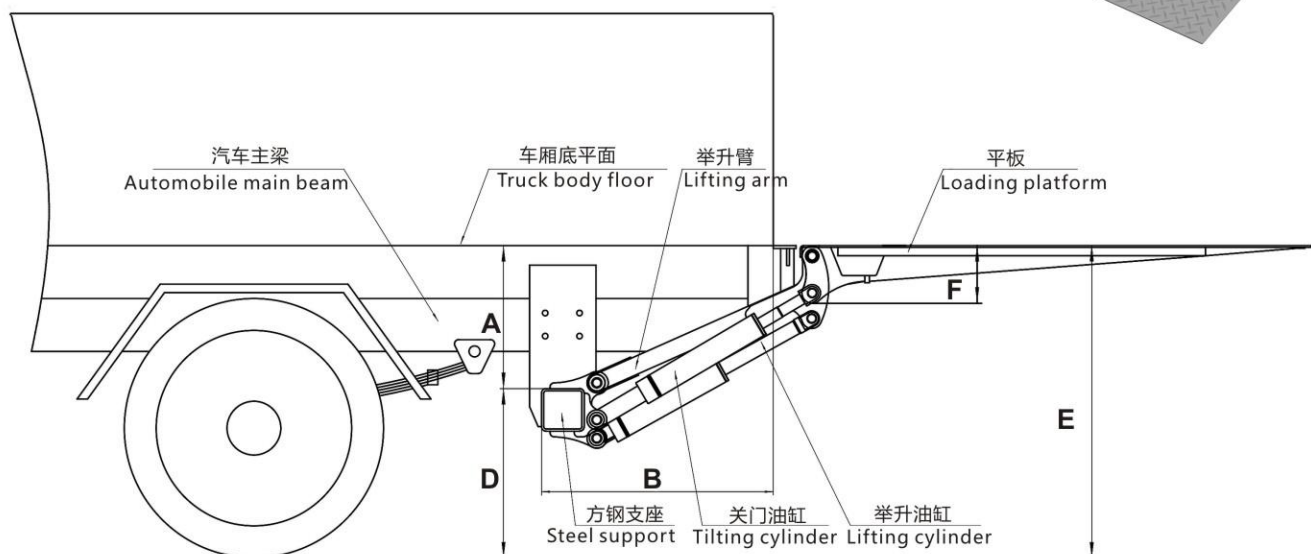


举升缸总成图

Lifting cylinder assembly diagram

- | | |
|------------------------------|--|
| 1. 活塞
Piston | 9. 导向环
Guide ring |
| 2. 导向环
Guide ring | 10. 防尘圈
Dust ring |
| 3. 密封圈
Seal ring | 11. 举升缸上铰轴耳
Lifting cylinder upper hinged ear |
| 4. O型圈
O ring | 12. 双金属衬套
duplex metal Bushing |
| 5. 活塞杆
Piston Rod | 13. 双金属衬套
duplex metal Bushing |
| 6. O型圈
O ring | 14. 举升缸筒总成
Lifting cylinder tube assembly |
| 7. 缸盖
Cylinder cover head | 15. 组合垫
Compound gasket |
| 8. 密封圈
Seal ring | 16. M18*1.5H型接头
M18*1.5H joint |





安装定位尺寸主要为图示A、B、D、E、F五个参数
Installing and positioning dimensions are mainly the A、B、D、E、F graphic parameter.

型号 Model	A(mm)		B(mm)		D (mm)	E (mm)	F (mm)	大梁宽 Cross Beam Width (mm)
	Min	Max	Min	Max	Max	Max		Max
SJ-WB10/105L	300	470	565	728	580	1050	180	800
SJ-WB10/130L	300	470	565	728	580	1300	180	800
SJ-WB15/130L	320	580	605	810	720	1300	180	960
SJ-WB15/155L	400	700	830	1040	850	1550	200	960
SJ-WB20/155L	400	700	830	1040	850	1550	200	960





本说明书适用于下列型号：

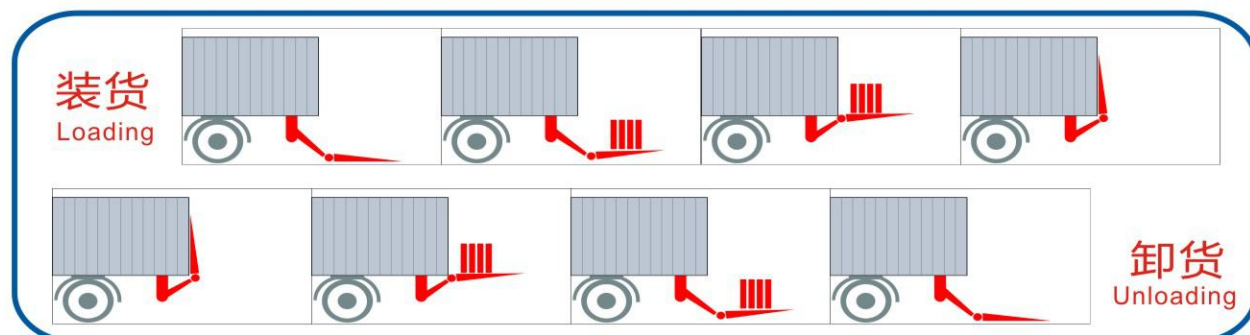
This manual is applicable to the following models:

SJ-WB10/105(L) SJ-WB10/130(L) SJ-WB15/130(L) SJ-WB15/155(L) SJ-WB20/155(L)

注：型号后缀“L”代表铝制平板，钢制平板的型号无“L”标识。

Note: type suffix "L" represents aluminum platform, steel platform type without "L" logo.

型号 Model	面板尺寸 Plate size (mm)	额定载重 Rated loading capacity (kg)	最大举 升高度 Max lifting height (mm)	系统压力 System pressure (Mpa)	工作电压 Voltage (V)	平均升 降速度 Average speed of lifting and falling (mm/s)	整机质量 Weight (kg)
SJ-WB-05/80L	1600*1100	500	800	16	12/24	80	270
SJ-WB10/105	1800*1650	1000	1050	16	12/24	80	415
SJ-WB10/105L	1800*1650	1000	1050	16	12/24	80	365
SJ-WB10/130	2000*1650	1000	1300	16	12/24	80	425
SJ-WB10/130L	2000*1650	1000	1300	16	12/24	80	375
SJ-WB15/130	2300*1800	1500	1300	16	12/24	80	472
SJ-WB15/130L	2300*1800	1500	1300	16	12/24	80	422
SJ-WB15/155	2400*1800	1500	1550	16	12/24	80	500
SJ-WB15/155L	2400*1800	1500	1550	16	12/24	80	445
SJ-WB20/155	2500*1800	2000	1550	16	12/24	80	530
SJ-WB20/155L	2500*1800	2000	1550	16	12/24	80	475



动力单元
Powerpack



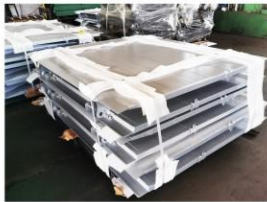
控制盒
Control Box



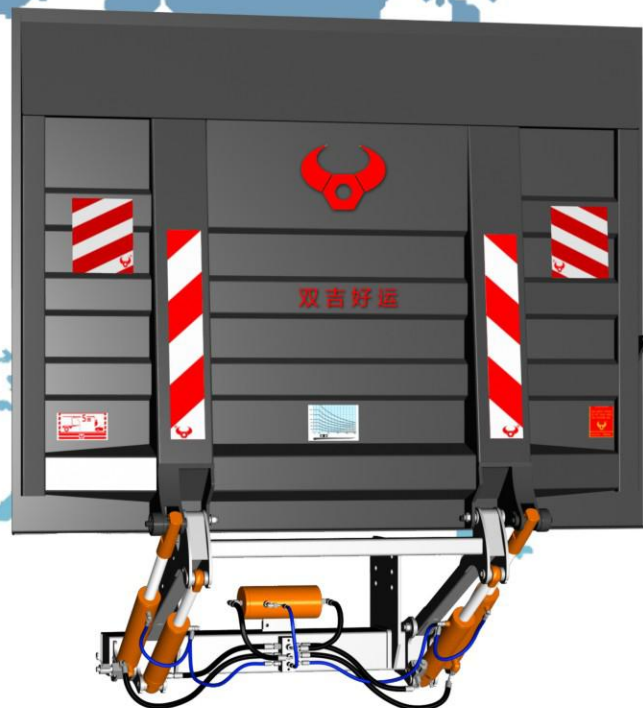
控制手柄
Lever Control



液压油缸
Hydraulic Cylinder



做中国最安全、最好用的汽车尾板!



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