

STARLINK POWER

SHAN DONG STARLINK POWER CO.,LTD

PROFILE

JAN. 2024



Company Profile

Shandong Starlink Power Co., Ltd. is a professional enterprise specializing in the research and development, design, production, manufacturing and service of large cylinder diameter pistons, cylinder liners and piston pins for marine engines and internal combustion locomotives. Our company is located at the intersection of Chengyang North Road and Zhucheng Road, Juxian Economic Development Zone, Rizhao City. The annual output is 300,000 large-cylinder pistons, 200,000 large-diameter cylinder liners, and 120,000 large-diameter piston pins for ships and internal combustion locomotives. After years of development, the company's ship engine piston production capacity, technical level and quality rank first in the domestic industry; the quality of cylinder liner and piston pin is advanced in China . The company has 10 ship piston production lines; 8 cylinder liner production lines and 6 piston pin production lines.

Company Profile

Our company has Shandong Provincial Enterprise Technology Center, Shandong Provincial Marine Piston Engineering Laboratory and other scientific and technological platforms. It has successively cooperated with Shandong University, Beijing University of Aeronautics and Astronautics, Shanghai Jiaotong University and other domestic universities and internal combustion engine scientific research institutions, in accordance with the development idea of "conceiving generation, research and development generation, production generation, storage generation" Road, has developed a variety of new products and successfully put them on the market; now serving Weichai Heavy Machinery, Chongqing Weichai, Anchai, Guangchai,

Company Profile

CSSC Zhenchai, CSSC Hudong, Yuchai, Shangchai, ZichaiJichai, Ningdong, , Hechai, Shengdong, CRRC Dalian, 711, Hunan Liyu, Pushi, Pangu, Kemei and many other domestic ships and Internal combustion engine customers and some foreign customers. It has successively passed ISO9001, IATF16949, ISO14001, ISO45001 certification and China Ship Classification Association (CCS) factory recognition.

Company ProfileThe company is the governing unit of the China Society of Internal Combustion Engine, the governing unit of the China Internal Combustion Engine Industry Association, and the governing unit of the Piston Sports Component Branch of the China Internal Combustion Engine Association. In recent years, through the

Company Profile

application of new materials, new technologies, new processes and a number of original patented technologies, with finite element analysis and product drawing design optimization and improvement, we have the most advanced design and manufacturing technology and equipment in the domestic piston industry; we have accurate solutions to improve engine performance and reliability, and at the same time , can also provide customers.

After years of concentration, concentration, professional research and development, the company has formed a unique competitive advantage with excellent technical research and development ability and perfect whole-process control ability.



Enterprise purpose

- Starlink Power, International Vision, Serving Global Ships and Locomotive Power.
- We only deal in large cylinder pistons, cylinder liners and piston pins.
- Pay attention to new materials, new processes, new technology research and development and application to help the industry's technological progress and product upgrading.
- Ship piston, cylinder liner, piston pin assembly, driving ocean, river, lake power.
- The brand comes from persistence, competition in quality and application.
- Company value, integrity, pragmatism, cooperation, innovation.

AERIAL VIEW OF COMPANY



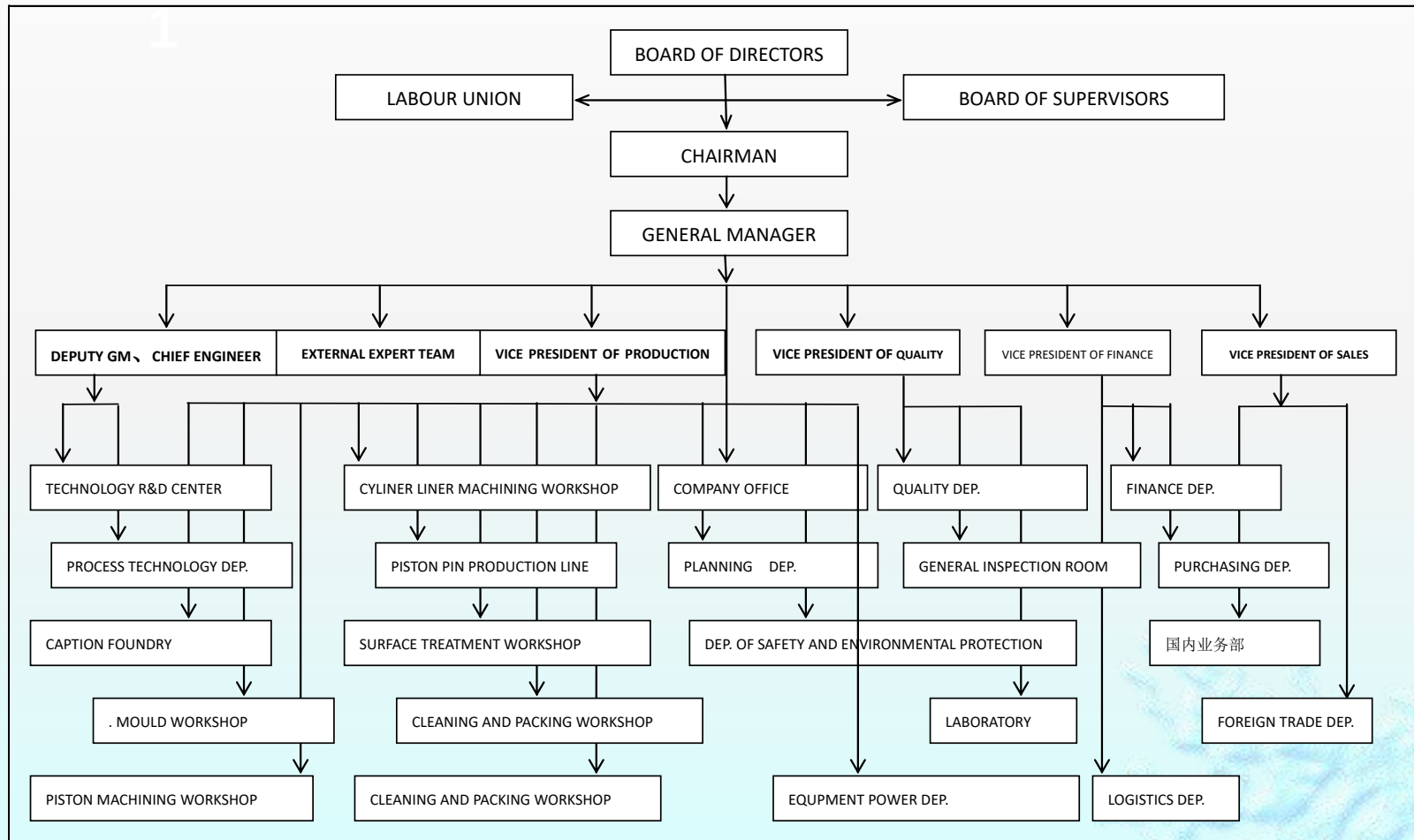
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ORGANIZATION CHART

SHANGDONGSTARLINK POWER CO.,LTD

ORGANIZATION CHART



PRODUCT DISPLAY—PISTONS



PRODUCT DISPLAY—PISTONS



PRODUCT DISPLAY—PISTONS



PRODUCT DISPLAY—CYLINDER LINERS



PRODUCT DISPLAY—CYLINDER LINERS



PRODUCT DISPLAY—CYLINDER LINERS



PRODUCT DISPLAY—PISTON PINS

1



CASTING EQUIPMENTS



MOLD MANUFACTURING EQUIPMENTS



PISTONS MACHINING LINES



CYLINDER LINERS MACHINING LINES



PISTON PINS MACHINING LINES



TEST EQUIPMENTS

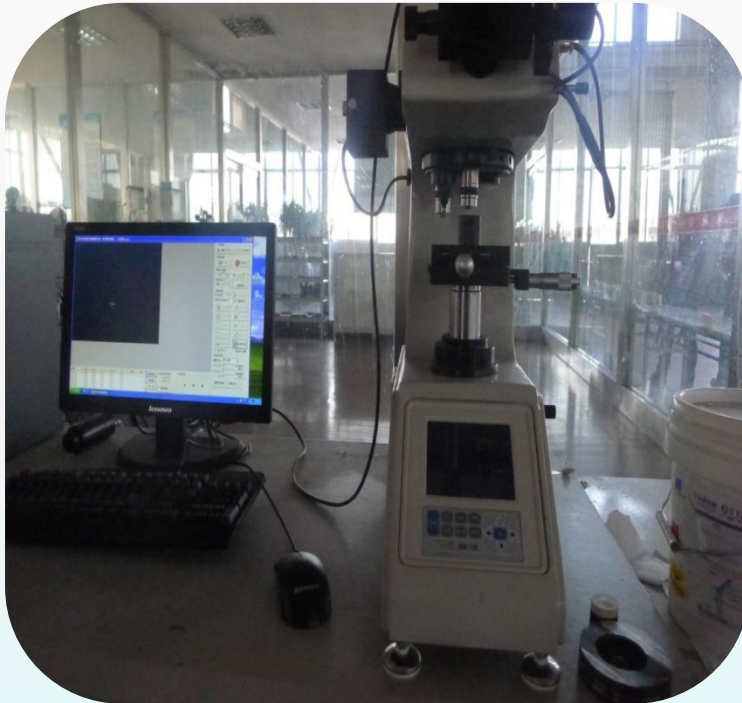


**DIRECT READING
SPECTROMETER**



**TENSILE TESTING
MACHINE**

TEST EQUIPMENTS



**METALLURGICAL
MICROSCOPE**



HARDNESS TESTER

TEST EQUIPMENTS



CMM



**LINE MEASURING
INSTRUMENT**

CERTIFICATES

Occupation Health Safe	Environmental	Quality Manag
Certific	Cer	Certifi
This is to certify that ShanDong Xinglian Power Co., (Unified social credit code: 91371122M) (Registered address : NO. 1-107, Buildi xian County, Rizhao City, Shandong P.R.C) Occupation Health Safet Manag GB/T 45001-2020 idt/ISO45001 System coverage: Design and pro combination p liners, engine aluminum pist plus Certified address: 4# and 5# worksho Zone Rizhao City Shandong P.R.China This certificate information can be pu administration committee : www.cnca.gov.cn certificate. Valid date: 12/4/2025 Signed by : <i>Guan Bin</i> Shandong Luyuan Energy No. 89, Huaneng	This is to certify that ShanDong Xinglian Power Co. (Unified social credit code: 91371122M) (Registered address : NO. 1-107, B xian County, Rizhao City, Shandong P Environmental management GB/T 24001-2016 idt ISO System coverage: Design and combination liners, engine pistons, faster Certified address: 4# and 5# work Zone Rizhao City Shandong P.R.Chin This certificate information can be p administration committee : www.cnca.g certificate. Valid date: 12/4/2025 Signed by : <i>Guan Bin</i> Shandong Luyuan En No. 89, Huan	This is to certify that ShanDong Xinglian Power Co. (Unified social credit code: 91371122M) (Registered address : NO. 1-107, Buil xian County, Rizhao City, Shandong P.R.C Quality management system co GB/T 19001-2016 idt ISO 9001 System coverage: Design and pro combination pist liners, engine pist pistons, fasteners Certified address: 4# and 5# worksh Zone Rizhao City Shandong P.R.China This certificate information can be p administration committee : www.cnca.gov.c certificate. Valid date: 12/4/2025 Signed by : <i>Guan Bin</i> Shandong Luyuan Energy No. 89, Huaneng

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PISTONS LIST.1

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
WEICHAI HEAVY MACHINERY	A170	170	25	FRICTION WELDING
WEICHAI HEAVY MACHINERY	8WH17	175	16	FRICTION WELDING
WEICHAI HEAVY MACHINERY	L21/31	210	21	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH26	260	25	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH26燃气	260	20	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH275	275	23	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH28	280	23	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH32/40	320	23	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH33/46	330	23	STEEL TOP & IRON SKIRT
WEICHAI HEAVY MACHINERY	WH6160	160	16	COOLING INSIDE AND INLAID RING
WEICHAI HEAVY MACHINERY	6WH17	170	16	COOLING INSIDE AND INLAID RING
WEICHAI HEAVY MACHINERY	12WH17	170	16	COOLING INSIDE AND INLAID RING
CHONGQING WEICHAI	CW200	200	18	STEEL TOP & ALUMINUM SKIRT

PISTONS LIST.2

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
CHONGQING WEICHAI	WH210	210	18	STEEL TOP & ALUMINUM SKIRT
CHONGQING WEICHAI	CW240	240	18	STEEL TOP & ALUMINUM SKIRT
CHONGQING WEICHAI	CW250	250	18	STEEL TOP & ALUMINUM SKIRT
CHONGQING WEICHAI	WH20	200	23	STEEL TOP & IRON SKIRT
CHONGQING WEICHAI	WH20 甲醇	200	22	STEEL TOP & IRON SKIRT
CHONGQING WEICHAI	WH20 微喷引燃	200	22	STEEL TOP & IRON SKIRT
CHONGQING WEICHAI	WH25	250	23	STEEL TOP & IRON SKIRT
BAUDOUIN	M33	150	18	ALUMINUM
BAUDOUIN	M55	180	25	STEEL
YUCHAI	YC6TF900NL-C20	175	16	FRICTION WELDING
YUCHAI	TFD620	180	25	FRICTION WELDING
YUCHAI	YC16VC 系列	200	16	BEAM WELDING
YUCHAI	YC16VCX 系列	215	16	BEAM WELDING

PISTONS LIST.3

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
YUCHAI	YC6CAX	215	16	BEAM WELDING
YUCHAI	YC6C1100L-C20	200	18	STEEL TOP & ALUMINUM SKIRT
YUCHAI	YC6CA1400C	200	18	STEEL TOP & ALUMINUM SKIRT
YUCHAI	YC8CL1600L-C20	200	18	STEEL TOP & ALUMINUM SKIRT
YUCHAI	YC12VC300-D30	200	18	STEEL TOP & ALUMINUM SKIRT
YUCHAI	YC8CAX2400L-C20	215	18	STEEL TOP & ALUMINUM SKIRT
YUCHAI	YC6TF	175	18	COOLING INSIDE AND INLAID RING
YUCHAI	YC6CD900L-C20	180	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC16VC3000-D31	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC6C系列	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC6CA1400C	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC6C1210L-C20	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC12C2240L-C20	200	16	COOLING INSIDE AND INLAID RING

PISTONS LIST.4

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
YUCHAI	YC12VC3000-D30	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC8CL1800L-C20	200	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC6CAX1800L-C20	215	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC6CX1400L-C20	215	16	COOLING INSIDE AND INLAID RING
YUCHAI	YC12VC3000-D31	215	18	COOLING INSIDE AND INLAID RING
YUCHAI	GL8100	280	23	STEEL TOP & IRON SKIRT
YUCHAI	SC170	170	18	COOLING INSIDE AND INLAID RING
YUCHAI	12KTA58	170	18	COOLING INSIDE AND INLAID RING
YUCHAI	SC33/35W	180	18	COOLING INSIDE AND INLAID RING
YUCHAI	SC25K	170	23	STEEL
上内研	Z23	152	18	COOLING INSIDE AND INLAID RING
上内研	Z25	160	18	COOLING INSIDE AND INLAID RING
淄柴	Z6170	170	16	COOLING INSIDE AND INLAID RING

PISTONS LIST.5

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
ZICHAİ	Z8180ZLCZ	180	16	COOLING INSIDE AND INLAID RING
ZICHAİ	EY17	170	20	NODULAR CAST IRON
ZICHAİ BOYANG	68350	350	18	NODULAR CAST IRON
ZICHAİ	ZC200	200	23	STEEL TOP & IRON SKIRT
ZICHAİ	ZC230	225	22	STEEL TOP & IRON SKIRT
ZICHAİ	ZC230A	225	22	STEEL TOP & IRON SKIRT
ZICHAİ	L250	250	21	STEEL TOP & IRON SKIRT
ZICHAİ BOYANG	ZC260	260	22	STEEL TOP & IRON SKIRT
ZICHAİ BOYANG	N26	260	22	STEEL TOP & IRON SKIRT
ZICHAİ BOYANG	N28	280	22	STEEL TOP & IRON SKIRT
ZICHAİ BOYANG	N350	350	23	STEEL TOP & IRON SKIRT
ZICHAİ NEW ENERGY	9320	320	12	NODULAR CAST IRON
ZICHAİ NEW ENERGY	9320	320	16	STEEL TOP & IRON SKIRT

PISTONS LIST.6

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
HECHAI	CHD622CR	170	22	FRICTION WELDING
HECHAI	TBD620	170	20	STEEL TOP & ALUMINUM SKIRT
HECHAI	CHG622	170	18	STEEL TOP & ALUMINUM SKIRT
HECHAI	CHG620	170	18	STEEL TOP & ALUMINUM SKIRT
HECHAI	TBD604B	170	16	COOLING INSIDE AND INLAID RING
HECHAI	TBD620V	170	16	COOLING INSIDE AND INLAID RING
JICHA	12V175ZLG-3	175	21	FRICTION WELDING
JICHA	190	190	18	STEEL TOP & ALUMINUM SKIRT
JICHA	200	200	18	STEEL TOP & ALUMINUM SKIRT
JICHA	12V26/32	260	20	STEEL TOP & IRON SKIRT
JICHA	12V26/32T	260	16	STEEL TOP & IRON SKIRT
JICHA	L27/38	270	22	STEEL TOP & IRON SKIRT
JICHA	206L系列	190	16	COOLING INSIDE AND INLAID RING

PISTONS LIST.7

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
JICHA1	286L	190	16	COOLING INSIDE AND INLAID RING
JICHA1	Z12VB	190	14	COOLING INSIDE AND INLAID RING
SHENG DONG	W12V190	190	12	ALUMINUM
SHENG DONG	R12V190	190	12	ALUMINUM
SHENG DONG	T22系列	190	12	ALUMINUM
SHENG DONG	W16V190	190	16	STEEL TOP & ALUMINUM SKIRT
SHENG DONG	W16V190	190	16	STEEL TOP & IRON SKIRT
PANGU	6290112	185	18	COOLING INSIDE AND INLAID RING
PANGU	KTA60EG	180	20	STEEL TOP & ALUMINUM SKIRT
KEMEIRENHE	W16V190	190	12	INLAID RING
KEMEIRENHE	W12V190	190	12	INLAID RING
NINGBOZHONGCE	N05	160	16	INLAID RING
NINGBOZHONGCE	N17	170	16	INLAID RING

PISTONS LIST.8

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
ANCHAI	DE-18	185	20	NODULAR CAST IRON
NIBOZHONGCE	N21	210	22	STEEL TOP & IRON SKIRT
NIBOZHONGCE	N23	225	20	STEEL TOP & IRON SKIRT
NIBOZHONGCE	N32	320	20	STEEL TOP & IRON SKIRT
CRRC DALIAN	240H	240	18	STEEL TOP & ALUMINUM SKIRT
CRRC DALIAN	D180	180	25	FRICTION WELDING
CRRC ZIYANG	QSC5A	240	18	STEEL TOP & ALUMINUM SKIRT
CRRC ZIYANG	QSC7A	280	18	STEEL TOP & ALUMINUM SKIRT
LIYU	LY12170	170	16	COOLING INSIDE AND INLAID RING
711	SH17	175	25	FRICTION WELDING
PUSHI	GPL1108GSAL	210	20	STEEL TOP & IRON SKIRT

PISTONS LIST.9

OEM	ENGINE TYPE	DIA (mm)	EXPLOSION PRESSURE (Mpa)	STRUCTURE
CSSC (HUDONG)	H175	175	25	STEEL
CSSC (HUDONG)	ML320	320	23	STEEL TOP & IRON SKIRT
CSSC (HUDONG)	MV390	390	23	STEEL TOP & IRON SKIRT
ANCHAI	DE SERIES	180/230	20	STEEL TOP & IRON SKIRT
ANCHAI	DK SERIES	200/260/280	20	STEEL TOP & IRON SKIRT
ANCHAI	DC SERIES	170/320	20	STEEL TOP & IRON SKIRT
GUANGCHAI	6230SG	230	14	STEEL TOP & IRON SKIRT
GUANGCHAI	G26	260	14	STEEL TOP & IRON SKIRT
GUANGCHAI	320ZC	320	13.5	NODULAR CAST IRON
GUANGCHAI	G32	320	20	STEEL TOP & IRON SKIRT

CYLINDER LINERS LIST.1

OEM	ENGINE TYPE	DIA (Mpa)	REMARK
WEICHAI	WH6160	160	
WEICHAI	WH6170	170	
WEICHAI	WH20	200	
WEICHAI	L21/31	210	
WEICHAI	WH25	250	
WEICHAI	WH26	260	
WEICHAI	WH275	275	
WEICHAI	WH28	280	
WEICHAI	WH32	320	
WEICHAI	WH33	330	
YUCHAI	YC6CD900L-C20	180	
YUCHAI	YC6CD750L-C20	180	
YUCHAI	YC8CAX	215	

CYLINDER LINERS LIST.2

OEM	ENGINE TYPE	DIA (Mpa)	REMARK
ZICHAI	Z6160	160	
ZICHAI	Z6170	170	
ZICHAI	EY17	170	
ZICHAI	Z8180	180	
ZICHAI	9320	320	
ZICHAI	ZC230	225	
ZICHAI BOYANG	N26	260	
ZICHAI BOYANG	ZC260	260	
ZICHAI BOYANG	Z280	280	
ZICHAI BOYANG	68350	350	
JICHAI	190	190	
JICHAI	12V26/32	260	
JICHAI	L27	270	
JICHAI	L32	320	

CYLINDER LINERS LIST.3

OEM	ENGINE TYPE	DIA (Mpa)	REMARK
LIYU	LY12170	170	
CRRRC DALIAN	D180	180	
SHENGDONG	W12V190	190	
KEMEI	190	190	
PUSHI	210	210	
ANTAI	300	300	
ANTAI	320	320	
NINGBO ZHONGCE	ND320	320	
GUANGCHAI	GC320	320	
CSSC	M390	390	
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PISTON PINS LIST.1

OEM	ENGINE TYPE	DIA (mm)	STRUCTURE	REMARK
WEICHAI	WH6160	160	NORMAL	
WEICHAI	WH6170	170	NORMAL	
WEICHAI	A170	170	NORMAL	
WEICHAI	WH26	260	DRILLING & BLOCKING	
WEICHAI	WH275	275	DRILLING & BLOCKING	
WEICHAI	WH20	200	DRILLING & BLOCKING	
WEICHAI	WH28	280	NORMAL	
WEICHAI	WH32	320	NORMAL	
WEICHAI	WH33	330	NORMAL	
YUCHAI	TFD620	180	NORMAL	
YUCHAI	YC6C925L-D00	200	NORMAL	
YUCHAI	YC8CA2000L-C20	200	DRILLING & BLOCKING	
YUCHAIDRILL	YC16VCX3300N-D30	215	NORMAL	

PISTON PINS LIST.2

OEM	ENGINE TYPE	DIA (mm)	STRUCTURE	REMARK
YUCHAI	GL8100	280	NORMAL	
JICHAI	190	190	NORMAL	
JICHAI	12V175ZLG	175	NORMAL	
JICHAI	200	200	NORMAL	
JICHAI	12V26/32	260	DRILLING & BLOCKING	
JICHAI	L27/38	270	NORMAL	
JICHAI	EY17	175	NORMAL	
ZICHAI	ZC200	200	DRILLING & BLOCKING	
ZICHAI	ZC230	225	DRILLING & BLOCKING	
ZICHAI	L250	250	DRILLING & BLOCKING	
ZICHAI	Z260	260	DRILLING & BLOCKING	
ZICHAI	N28	280	NORMAL	
ZICHAI	9320	320	DRILLING & BLOCKING	

PISTON PINS LIST.3

OEM	ENGINE TYPE	DIA (mm)	STRUCTURE	REMARK
ZICHA	N350	350	BLOCKING	
CRRC DALIAN	240H	240	DRILLING & BLOCKING	
CRRC DALIA	D180	180	NORMAL	
SHENGDONG	W12V190	190	DRILLING & BLOCKING	
711	SH17	170	NORMAL	
SHANGCHAI	SC170	170	NORMAL	
LIYU	LY12170	170	NORMAL	
NONGBO ZHONGCE	N21	210	NORMAL	
PUSHI	GPL1108GSAL	210	NORMAL	
CSSC	M390	390	DRILLING & BLOCKING	
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**WELCOME FOR
COOPERATION!**

