



长沙
Changsha



长沙正圆动力科技有限责任公司

Changsha Zhengyuan Power & Technology Co., Ltd.

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80⁺
Years
1943



企业简介

长沙正圆动力科技有限责任公司（原长沙正圆动力配件厂）创建于1943年，是中国第一家活塞环制造企业，2016年1月成立民营股份制公司，注册资本6000万元。

公司是国家高新技术企业、湖南省“专精特新”小巨人企业，中国内燃机工业协会副理事长单位，拥有已授权发明专利4项，实用新型专利8项，长沙市科技计划项目1项。

公司在同行业中最先引进英国AE公司活塞环镀硬铬技术，德国格茨公司活塞环设计、制造和检测技术，拥有行业先进水平的活塞环专用生产设备和检测仪器1000多台（套），活塞环年生产能力2000万片，生产缸径15-1327mm，品种规格1000多个。

产品涉及到汽车、内燃机车、工程机械、农用机械、发电机组、船舶、舰艇、飞机发动机等领域，为国内30多家主机厂和300多家售后服务配件公司提供产品。同时，产品远销亚洲、欧洲、美洲、非洲市场，并与这些地区的主流发动机厂进行配套销售。

公司是机械行业内最早实现全面质量管理的企业之一，先后通过了GB/T19002-ISO9000、ISO/TS16949和ISO/ITAF16949质量体系认证，并先后荣获“国家银质奖”、“国家二级企业”、国家统计局发布的“中国500家最大机械工业企业”，“中国内燃机工业百年成就奖”等荣誉。



Changsha Zhengyuan Power & Technology Co., Ltd its predecessor was Changsha Zhengyuan Engine Parts Factory that is the first piston ring manufacturer in China which established in 1943. Now it is a privately-owned joint-stock company established in January 2016 with a registered capital of 60 million Yuan.

Our company is a national high-tech enterprise, a "Specialized, Refined, Unique and Innovative" little giant enterprise in Hunan Province, and a vice chairman unit of the China Internal Combustion Engine Industry Association (CICEIA). It holds 4 authorized invention patents, 8 utility model patents, and 1 science and technology plan project of Changsha City.

The company was the first in the same industry to introduce the hard chromium plating technology for piston rings from the British AE Company. Also, we have the design, manufacturing and testing technology for piston rings from the GOETZ Company in German.

It possesses over 1,000 sets of advanced production equipment and testing instruments for piston rings in the industry. The annual production capacity of piston rings is 20 million pieces, with cylinder diameters ranging from 15mm to 1327mm and over 1,000 varieties and specifications.

The products are involved in fields such as compressor, turbocharger, hydro cylinder, automobiles, diesel locomotives, construction machinery, agricultural machinery, generator sets, marine ships and vessels, and aircraft engines.

We provide products for over 30 domestic OEMs and more than 300 after-sales service parts companies. Meanwhile, the products are exported to the markets of Asia, Europe, America and Africa, and are sold in conjunction with the OEMs in these regions.

The company is one of the earliest enterprises in the machinery industry to achieve total quality management. It has successively passed the quality system certifications of GB/T19002-ISO9000, ISO/TS16949 and ISO/ITAF16949. It has successively won honors such as the "National Silver Award", "National Second-Class Enterprise", "Top 500 Largest Machinery Industrial Enterprises in China" released by the National Bureau of Statistics, and "Centennial Achievement Award of China's Internal Combustion Engine Industry".

Obtained Quality Certification

获得的质量认证

We will supply satisfied products to the customers through setting up and carrying out perfect effective quality management system, relying on reliable quality assurance ability and the continuous innovation and improvement quality pursuing spirit of the employee.

通过建立、实施完善有效的质量管理体系，以稳定可靠的质量保证能力和全体员工不断创新、持续改进的质量精神为客户提供满意的产品。

Quality Certification/质量体系认证



Our products covered various fields

本产品应用领域广泛

Automobile diesel engine series

中、重型车用柴油机系列

Agricultural engine series

工程机械 农机柴油机系列

Engineering mechanical diesel series

工程机械柴油机系列-国际机型

Agricultural engine two cylinder diesel series

农机双缸柴油机系列

Light diesel engine series

轻型多缸柴油机系列

Passenger car series

乘用车系列

Large bore diesel engine series

大缸径柴油机系列

Mechanical seals series

机械密封件系列

Small petrol engine series

通用机械用小型汽油机系列

Custom design

产品定制



Piston Ring Contents

CATERPILLAR 卡特彼勒	3
CUMMINS康明斯	3
DAEWOO 大宇	4
DAF 大福	4
DEUTZ 道依茨	4
FIAT 菲亚特	4
HINO 日野	4
ISUZU 五十铃	5
IVECO 依维柯	5
John Deere 约翰迪尔	6
KOMATSU 小松	6
LIEBHERR 利勃海尔	6
MACK 马克	6
MAN 曼	6
MERCEDES-BENZ 奔驰	7
MITSUBISHI 三菱	7
Detroit Diesel 底特律	8
NISSAN 尼桑	8
PERKINS 帕金斯	8
RENAULT 雷诺	9
VOLVO 沃尔沃	9
Motorenwerke Mannheim 曼海姆	10
International 国际	10
Large bore piston rings	11
大缸径柴油机系列	11
Seal rings custom designed and ordering密封环定制	13
Piston rings work blank custom designed and ordering 活塞环毛坯定制	13

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
CATERPILLAR 卡特彼勒														
1028530	C6.4 3064	1786543	102	4	3(2.89)	Cr P	2(1.9)	Cr P			4	Cr P		
1028640	4118		102	4	3	Cr P	2.35	P			4	Cr P		
1058950	3114	1077787	105	4	2.96(2.73)	CKS	2.94(2.7)	Cr P			3.99	Cr P		
1058900	C6.6	2767476	105	4/6	3	CKS	2.5	P			3	Cr P		
1058920	416E	2255436	105	4	3.5	Mo	2.5	P			3.5	Cr P		
1058940	C3.3 3054C/E	2337231	105	4	2.5	Mo	2.5	P			d	Cr P		
1058900	C7.1	3897188	105	6	3	Cks	2.5	P			3	Cr P		
1108900	C7 D336/3126	1979386/1979277/1979354	110	6	3.4	Cr P	3	Cr P			4	Cr P		
1108900	C7	1979386/1979353/1979354	110	6	3.4(3.03)	Cr P	3	Cr P			4	Cr P		
1128560	C9	3472380/3472381/3472382	112	6	3.5(3.105)	CKS	3	Cr			4	N		
1128580	C9	1979392/1613424/1687211	112	6	3.5	CKS	3	P			4	N		
1128570	C-9	1979299/1613425/1687209	112	6	3(2.605)	CKS	3	P			4	N		
1218500	3306C 3306DI	1006694/1006695/610497	120.65	6	3(2.79)	Mo	3	P			4	Cr P		
1218540	3306		120.65	6	2.997(2.707)	Cr P	3(2.707)	Cr P			3.137	Cr P		
1218630	3304 DI	2W1709	120.65	6	2.74	Cr P	2.74	Cr P			3.18	Cr P		
1218650	D330(C)	9S3068	120.65	6	3.18	Cr P	2.381	Cr P			5.65	Cr P		
1218700	3304 DI	2W6091	120.65	6	3.17	Cr P	2.38	Cr P			3.18	Cr P		
1218700	3304 DI	8N3102	120.65	6	3.17	Cr P	2.38	Cr P			3.18	Cr P		
1218680	3306 DI	2114321	120.65	6	2.74	Cr P	2.74	Cr P			4	Cr P		
1258620	C10	1337082	125	6	3.86(3.624)	CKS	2.98	P			3.98	Cr		
1308520	C12	1979341/2168570/2382704	130	6	3.87(3.615)	Cr	2.95	Cr			3.98	Cr P		
1308540	C13	3261352/3003086/2651113	130	6	3.94	Cr	2.98	Cr			3.98	Cr P	3.98	N
1378560	D343	8N0822	137.16	6	2.94(2.76)	Cr P	2.94(2.73)	Cr P			3.15	Cr P		
1378720	C15-NEW	1343761/1644187/1723284	137.16	6	4(3.57)	CKS	3.05(2.87)	Cr P			4	N		
1378720	C15 ACERT	2476130/2384737/2380294	137.16	6	3.82(3.605)	N	3.01	Cr			4	N		
1378710	C15 3406E	1777496/1765749/1899771	137.16	6	3.9(3.605)	Mo	3	Cr	3	CKS	4	N P	3.99	N P
1378620	3406/3408/3412	1W8922	137.16	6	4(3.57)	CKS	3.18(2.73)	Cr P			3.15	Cr P		
1378600	3406 DI	1W8922	137.2	6	4(3.55)	Cr P	3.18(2.73)	Cr P			3.15	Cr P		
1398560	C16 D2345	1534101/1471730/1398505	139.7	6	4(3.54)	Mo	3.18(2.75)	Cr			4	Cr		
1458500	C18	2239159/2382707/2465659	145	6	3.84(3.605)	N	2.93(2.77)	Cr			3	N		
1458500	C32	MP1922/MP0321/MP4239	145	6	3.84(3.605)	N	2	N/Cr			3	N		
1468200	D342	3S4031	146.05	6	4.75	Cr	2.38	Cr			6.35	Cr		
1468200	G342	9H1226	146.05	6	4.75	Cr	2.38	Cr			6.35	Cr		
1468000	D342	8N5760	146.05	6	3.8	Cr	3.8	Cr			6.35	Cr		
1598500	D353/379/398	1W6055	158.75	6	3.15	Cr P	2.4	Cr P			6.35	Cr P		
1598500	D379A/D398A/D399	1W5105	158.75	6	3.15	Cr P	2.4	Cr P			6.35	Cr P		
1708540	G3500	7E2859	170	6	3.5	Mo	3.5	Cr			4.97	Cr		
1708540	3508/3500	1N3967	170	6	3.9(3.505)	Cr P	3.7(3.49)	Cr P			4.97	Cr P		
CUMMINS 康明斯														
0948200	ISF 2.8L	4309423	94	4	2.5	CKS	2	P			3	Cr		
0958520	B3.3	4941138	95	4	2	Cr	2	P			4	N		
1021860	ISF/ISBE 3.8L	4025012	102	4	3	CKS	2.38	P			4	Cr P		
1021400	6BT		102	4/6	3	Cr	2.38	P			4	Cr		
1021460	6BT Special honing	3938177	102	6	3	Cr	2.38	P			4	Cr		
1021480	6BT Sand blasting		102	6	3	Cr	2.38	P			4	Cr		
1021530	6BT		102	6	3	Cr	2.38	P			4	N		
1021640	6BT 5.9	4089258	102	6	3	CKS	2.38	P			4	Cr		
1021650	6BT		102	6	3	CKS	2.38	P			4	N		
1021770	ISBE Euro III		102	4/6	3	CKS	2.37	P			4	Cr		
1071050	ISDE		107	6	3	Cr	2.5	P			3.5	Cr		
1071090	ISDE	4955366	107	6	3	CKS	2.5	P			3.5	Cr		
1078030	6BSD		107	6	3	Cr	2.5	P			3.5	Cr		
1078100	6BSD		107	6	3	CKS	2.5	P			3.5	Cr		
1141040	6CT	3802429	114	6	3	Cr	3	P			4	Cr		
1141110	6CT Special honing		114	6	3	Cr	3	P			4	Cr		
1141070	6CT Sand blasting	3802919	114	6	3	Cr	3	P			4	Cr		

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					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1141160	6CT		114	6	3	Cr	3	P			4	N		
1141180	6CT Special honing		114	6	3	Cr	3	P			4	N		
1141190	6CT		114	6	3	CKS	3				4	N		
1141250	6CT	3802538	114	6	3	CKS	3	P			4	Cr		
1141350	6L		114	6	3.5	CKS	3	P			4	Cr		
1141360	6L	4955651	114	6	3	Cr	3	P			4	Cr		
1141370	6L		114	6	3	CKS	3	P			4	N		
1141380	6L		114	6	3	Cr	3	P			4	N		
1164020	6L 9.3L		116.52	6	3	CKS	2.5				3.5	N		
1258580	LT10	3803961	125	6	3.2	Cr	3.2	Cr			4.5	Cr		
1251160	M11	3803977	125	6	3	Cr	3	Cr			4	Cr		
1251180	M11	4089385	125	6	3	Cr	3	Cr			4	N		
1308580	NH220	AR12098	130	6	3.7	Cr	3.7	P	3.7	P	6.08	Cr		
1378700	QSX15	4089406	137	6	3	Cr	3	Cr			4	N		
1398040	NH250C		139.7	6	3.7	Cr	3.7	P	3.7	P	6.08	Cr		
1398020	N Series		139.7	6/8	4	Cr	3	P	3	P	4.75	Cr		
1398060	N Series	4089810	139.7	6/8	4	Cr	3	P	3	P	4.75	N		
1398070	NA Series		139.7	6	4	Cr	3	Cr	3	P	4.75	Cr		
1398100	NA Series	4089811	139.7	6	4	Cr	3	Cr	3	P	4.75	N		
1398210	N14	3804500	139.7	6	4	Cr	3	Cr			4.75	N		
1408520	QST30	3092569	140	6	2.2(2.2)	Cr	2.2(2.2)	Cr			4	N		
1598510	K19	4089500	158.75	6	3.81	Cr	3.76	Cr			4.75	N		
1598540	QSKTA19/38/50-C	4955976	158.75	6	3.81	CKS	3.46	Cr			4.75	N		
1598560	KT38/KT50	4955975	158.75	6	3.81	CKS	3.76	Cr			4.75	N		
1598550	QSK60	4309254	158.75	6	3.81	CKS Cr2	3.76	Cr			4.75	N		
1708580	QSK23	4025382	170	6	3.7	CKS	3.55	Cr			4	N		
DAEWOO 大宇														
1028600	DB58	65.02503-8058	102	6	3	Cr	2.5	Cr			4	N		
1118020	D1146	FM5876	111	6	3.5	Cr	3	Cr			4	N		
1028600	2848T		128	6	3.5	Cr	3	Cr			4	N		
DAF 大福														
1021860	BE 99 C/CE 136 C	1403972	102	4	3	CKS	2.385	P			4	Cr		
1071090	FR/GR/PX	1409991	107	4/6	3	CKS	2.5	P			3.5	Cr		
1188600	DH/DU/HS/HT	0682726	118	4/6	3.5	Cr	3	Cr	3	Cr	6	Cr		
1308510	DK/LT	0680853	130	6	3.16	Cr	3.16	Cr	3.16	Cr	6.35	Cr		
1308750	WS/XF	0681646	130	6	4	Cr	3.14	Cr			4	Cr		
1308780	DAF95		130	6	4(3.845)	Cr	3.16	Cr			4	Cr		
DEUTZ 道依茨														
1008840	FL912W 3 rings	800012612000	100	6	3	Cr	2.5	P			5	Cr		
1008510	FL912D	800034610000	100	6	3	Cr	2	P			3	Cr		
1008550	FL912		100	6	3	Cr	2.5	P	2.5	P	5	Cr		
1008940	FL912W 4 rings	800012510000	100	6	3	Cr	2.5	Cr	2.5	P	5	Cr		
1028800	BF4L913G	800012711000	102	4	3	Mo	2.55	P			5	Cr		
1053950	TD226	800034010000	105	6	3	Cr	2	P			4	Cr		
1083490	BF4M1013	800034410000	108	4	3	Mo	2	Cr			3.5	Cr		
1108630	F4L514/F6L614	800012911000	110	4/6	3	Cr	3	P	3	P	6	P	6	P
1108750	110 Euro V	NE120059003500	110	4/6	3	CKS	2	P			3.5	Cr		
1208510	FL413	800013011000	120	6	3	Cr	3	Cr	3	P	6	Cr		
1258590	F8L413F	800007811000	125	6	3	Cr	2.5	P			4	Cr		
FIAT 菲亚特														
1008770	8040.02	DA.2885 (Cafap) 00797 VO	100	4/6	2.5	Cr	2.5	Cr			4	Cr		
1008810	8025.02		100	4/6	2.5	Cr	2.5	Cr			5.5	Cr		
1048660	8040.05	DA.2885 (Cafap)	104	4/6	2.5	Cr	2.5	Cr			4	Cr		
1378660	8210.22	DC.2701 (Cafap)	137	6	4	Cr	3	Cr	3	P	5.5	Cr		
HINO 日野														
1048520	W04D	13011-1973	104	4	2.5	Cr	2	Cr			5	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1048530	W06D		104	6	2.5	Cr	2	Cr			5	Cr		
1048500	W04D		104	4	2.5	Cr	2	Cr			5	N		
1108530	H07C EH700	13011-1610B	110	6	3	Cr	2.5	Cr	2.5	Cr	5	Cr		
1108550	H07C EH700		110	6	3	Cr	2.5	Cr	2.5	Cr	5	N		
1148570	J08C	13011-3570A	114	6	2.5	Cr	2	Cr			4	N		
1148560	J08C-3	13011-2960A	114	6	3	Cr	2	Cr			4	N		
1248510	EM100	13011-1921A	124	6	3	Cr	2.5	Cr	3	Cr	5	Cr		
1278010	M10U	13011-2870	127	6	3.5	Cr	3	Cr	3	Cr	5	Cr		
1358500	K13C-TE	13011-3590	135	6	3.5	Cr	3.5	Cr	3.5	Cr	5	Cr		
1358530	EF500/EG100	13011-1131B	135	6/8	3.5	Cr	3.5	Cr	3.5	Cr	6	Cr		
1378520	EK100/EK200	13011-1010	137	6/8	3.5	Cr	3.5	Cr	3.5	Cr	6	Cr		
1378530	EF700 /EF750	13011-1111	137	6/8	3.5	Cr	3.5	Cr	3.5	Cr	6	Cr		
1398510	F17C/F17E	13011-3150	139	8	3.5	Cr	3.5	Cr	3.5	Cr	5	Cr		
0868580	C240-2	8-94104-949-0	86	4	2.5	P	2	P			5	Cr		
0868590	C240	9-12181-603	86	4	2	P	2	P	2	P	5	Cr		
0888050	C223-2	8-94253-736-0	88	4	2	P	2	P			4	Cr		
0898040	4ZD1	8-94153-966-0	89.3	4	1.5	Cr	1.5	Cr			4	N		
0928580	4ZE1	8-94405-614-2	92.6	4	1.5	Cr	1.5	Cr			4	N		
0934080	4JA-1/4JB-1	8-94247-867-0	93	4	2	P	2	P			4	Cr		
0934070	4JK1	8-97319-087-0	93	4	2	P	2	P			4	N		
0934010	JX493ZQ(Transit)		93	4	3	P	2	P			3.5	Cr		
ISUZU 五十铃														
0934110	JX493ZQ4		93	4	3	Cr	2	P			3.5	Cr		
0934120	JX493ZQ4-II		93	4	3	P	2	P			3.5	P		
0934140	Euro III		93	4	3	P	2	P			3	N		
0934150	Euro III		93	4	3	P	2	P			3	P		
0954010	4JH1	8-97941-122-0	95.4	4	2.5	N	2	P			3	N		
0954060	4JH1 600P		95.4	4	2.5	N	2	P			3	N		
0958700	4JG2/ZX70/4JG1	8-97080-215-0	95.4	4	2.5	P	2	P			3	N		
1028550	4BD1		102	4	3	Cr	2.5	N			5	Cr		
1028590	6BB1/6BD1	5-12121-055	102	6	3	Cr4	2.5	P			5	Cr		
1054010	4BE1	8-94418-918-0	105	4	3	P	2.5	P			5	Cr		
1058520	6BG1 3.0	1-12121-065-0	105	6	3	P	2.5	P			4	Cr		
1058530	6BG1-TC 3.5	1-12121-115-0	105	6	3.5	P	2.5	P			4	Cr		
1058510	6BG1T	1-12121-146-0	105	6	3.5	P	2.5	P	2.5	P	4	Cr		
1108680	4HE1T	8-97166992-0	110.4	4	3	Cr	2	Cr	1.2	P	3	N		
1128090	4HF1	8-97109-462-0	112	4/6	3	Cr	2.5	Cr			4	N		
1158100	6HH1	8-94390-799-0	115	6	3.5	Cr4	2.5	Cr			4	N		
1158080	4HG1-T	8-98054-995-0	115	6	3	Cr4	2.5	Cr			4	N		
IVECO 依维柯														
0934260	8140.07	08-425000-00	93	4	3	Cr	2	P			3	Cr		
0934280	8140.43		93	4	3	Cr	2	P			3	Cr		
0948020	8140.43	08-122200-00	94.4	4	2.5	Cr	2	P			2.5	Cr		
0958640	F1C/New Daily 70C16	08-421600-00	95.8	4	2.5	CKS	2	P			2.5	Cr		
1008810	8040.02/8060.02	08-206800-00	100	4	2.5	Cr	2.5	P			5.5	Cr		
1008770	8035.06/8045.06	08-106900-00	100	4	2.5	Cr	2.5	P			4	Cr		
1008930	8035.06/8045.06	08-781900-00	100	4	2.5	Mo	2.5	P			4	Cr		
1021860	F4AE0481A Euro III	08-145000-00	102	4	3	CKS	2.385	P			4	Cr		
1021860	F4AE0481A Euro IV/V	08-427900-00	102	4	3	CKS	2.385	P			4	Cr		
1038520	8045.04/8065.04	08-782000-00	103	4	2.5	Cr	2.5	P			4	Cr		
1038530	8060.24	08-783900-00	103	4	3	Cr	2.5	P			4	Cr		
1048020	8040.05/8060.05	08-784700-00	104	4	2.5	Cr	2.5	P			4	Cr		
1048030	8040.25	08-244500-00	104	4	3	Cr	2.5	P			4	Cr		
1048700	F4CE/F4GE	08-432700-00	104	4	3	CKS	2.38	P			4	Cr		
1048080	8060.45		104	4	3.5	Cr	2.5	P			4	Cr		
1048050	8060.45	08-103900-00	104	4	3.5	Mo	2.5	P			4	Cr		
1108690	CP3	08-207500-00	110	4	2.5	Cr	2.5	P	2.5	P	5	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1158510	8340.04	08-214900-10	115	4	2.5	Cr	2.5	P			4	Cr		
1158520	8365.25/8361.25	08-245500-00	115	4	3	Cr	2.5	P			4	Cr		
1208590	8460.21	08-785300-00	120	4	3.5	Cr	3	Cr			5	Cr		
1253590	FL 413	08-740300-00	125	4/6/8	3	Cr	2.5	P			4	Cr		
1358620	F3BE0681A Euro III Cursor 13	08-122000-00	135	6	4	Cr	3	Cr			5	Cr		
1358630	F3B3681A Euro IV/V Cursor 13	08-428000-00	135	6	3	Cr	3	Cr			5	Cr		
1378660	8210.02	08-207800-30	137	6	4	Cr	3	P	3	P	5.5	Cr		
1378630	8210.22	08-207800-10	137	6	4	Cr	3	P	3	P	5.5	Cr		
1378650	8210.42	08-783000-00	137	6	4	Cr	3	Cr			5.5	Cr		
John Deere 约翰迪尔														
1068010	4045/6068	RE507852	106.5	4/6	3.13	Mo	2.39	P			3.45	Cr		
1068020	3029/3164/3179/4045/6068	RE66820	106.5	3/4/6	3.13	Mo	2.39	P			3.45	Cr		
1068040	16010602-00		106.5	6	2.5	Cr	2.39	P			3.5	Cr		
1068060	RE61467		106.5	6	2.5	Cr	2.39	Cr			3.45	Cr		
1068080	3029/4045/6068	RE66271	106.5	3/4/6	2.5	Cr	2.39	P			3.45	Cr		
1068110	RE524453		106.5	6	3.13	Mo	2.5	P			3.5	Cr		
KOMATSU 小松														
0958510	1D95L	6202-32-2202	95	4	2.2	Cr P	2	Cr P			4	N		
0958520	4D95	6204-31-2203	95	4	2	Cr P	2	Cr P			4	N		
0958580	S6D95	6207-31-2200	95	6	2.5	Cr P	2	Cr P			4	N		
0958570	S4D95	6202-32-2200	95	4	2.2	Cr P	2	Cr P			4	N		
0958620	S6D95	6209-31-2400	95	6	2.5	Cr P	2.2	Cr P			4	N		
1028560	S6D102	6732-31-2300	102	6	3(2.605)	Cr	2.38	P			4	Cr P		
1028570	S6D102	6736-31-2420	102	6	3(2.605)	Cr	2.38	P			4	N		
1058540	4D105	6130-32-2302	105	4	3	Cr P	2.5	Cr P			5	Cr P		
1058560	S6D105	6136-31-2010	105	6	3.0(2.81)	Cr P	2.5(2.4)	Cr P			5	Cr P		
1058880	4D105	6130-32-2302	105	4	3	Cr P	2.5	Cr P			5	N		
1058890	S6D105	6136-31-2010	105	6	3.0(2.81)	Cr P	2.5(2.4)	Cr P			5	N		
1078520	S6D107	6754-31-2010	107	6	3	CKS	2.5	Cr P			3.5	Cr P		
1088600	6D108	6221-31-2200	108	6	2.5(2.2)	Cr P	2.53(2.26)	P			4	Cr P		
1108800	SA6D110	6138-31-2200	110	6	3(2.77)	Cr P	2.5(2.33)	Cr P			5	Cr P		
1141250	S6D114	6742-01-2790	114	6	3.5(3.105)	CKS	3	Cr P			4	Cr P		
1208540	4D120	6110-30-2301/2/3	120	4	3.5	Cr	2.5	P			5.5	Cr		
1258150	S6D125	6150-31-2030	125	6	2.4(2.14)	Cr P	2.4	P			4	Cr P		
1258510	S6D125	6251-31-2030	125	6	2.4	Cr P	2.4	P			4	N		
1308650	4D130	6114-30-2403	130	4	3.5	Cr P	2.5	P			5.5	Cr P		
1408530	6D140	6211-31-3033	140	6	3(2.64)	Cr P	2.5(2.2)	Cr P			4	N		
1408520	S6D140	6261-31-2030	140	6	2.5(2.2)	Cr P	2.5(2.2)	Cr P			4	N		
1558550	S6D155	6128-31-2060	155	6	4	Cr P	3.5	Cr P			4.75	Cr P		
1708560	S6D170	6162-33-2060	170	6	3.7	Cr P	3.55	Cr P			4.75	Cr P		
1708680	S6AD170	6240-31-2030	170	6	3.8(3.55)	Cr P	3.7(3.52)	Cr P			4	N		
LIEBHERR 利勃海尔														
1223010	D924/D926	439 05 NO	122	6	3.5	CKS	2.5	Cr			4	Cr		
1223020	D934/D936	439RS001000N0	122	6	3.5	CKS	2.5	P			3.5	Cr		
1283060	D9508/D9512	439RS001010N0	128	6	3.5	CKS	2.5	P			3.5	Cr		
1308690	D944		130	6	3.5	N	2.5	Cr			3.5	N		
1308660	D9306/D9308		130	6	3.5	CKS	2.5	N			3.5	Cr		
1358640	D9400/D9406	439 03 NO	135	6	4	CKS	2.5	P			4	Cr		
MACK 马克														
1238040	363G C2139		123.75	6	2.76	Mo	2.76	Mo	2.72	Cr	4.75	Cr		
1238060	363G C2142		123.75	6	2.76	Mo	2.76	Mo			4.75	Cr		
MAN 曼														
1088560	D0824/D0826	08-285900-00	108	4/6	3	Cr	2.5	P			4	Cr		
1088620	D0836/D0846	08-275000-10	108	6	2.5	Cr	2.5	P			5	Cr		
1118020	D1146	08-961700-00	111	6	3.5	Cr	3	P			4	N		
1218720	D2146/D2156	06-274800-10	121	6	3.5	Cr	3	P	3	P	5.5	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1238530	D2356	06-282100-10	123	6	3.5	Cr	3	P	3	P	5.5	Cr		
1238520	D2366	08-961600-00	123	6	3.5	Cr	3	Cr			4	N		
1258540	D2566	08-280200-00	125	6	3	Cr	3	P			5	Cr		
1288600	D2866/D2865	08-283100-30	128	6	3.5	Cr	3	P			5	Cr		
1288640	E2866/2876	08-425800-00	128	6	3.5	CKS	3	P			5	Cr		
1288620	D2840/2866LF Euro III	08-143800-00	128	6	4	CKS	3	Cr			4	Cr		
1288620	D2840/42/46/48LE	08-432800-00	128	6/8	4	CKS	3	Cr			4	Cr		
1288650	D2840/2866LF Euro II	08-124500-00	128	6	4	CKS	3	P			4	Cr		
1288630	D2848 NEW		128	8	3.5	Cr	3	Cr			4	N		
MERCEDES-BENZ 奔驰														
0898510	OM601/602/603	08-743100-00	89	6	2.5	Cr	2	P			3	Cr		
0918510	OM616	08-173800-00	91	4	3	Cr	2	P			4	Cr		
0978010	OM352	08-174300-00	97	6	3	Cr	3	P	3	P	5.5	Cr	5.5	P
0978070	OM314	08-178200-00	97	6	2.5	Cr	2.5	Mo			4	Cr		
0978100	OM366/364/354	08-740000-00	97.5	6	2.5	Mo	2.5	Cr			4	Cr		
1158150	OM360	08-176400-10	115	6	3.5	Mo	3	Mo			5.5	Cr		
1158160	OM360	08-176400-30	115	6	3.5	Cr	3				5.5	Cr		
1258080	OM401/402/403	08-176800-10	125	6	3	Cr	3	P			6	Cr		
1258090	OM401/402/403Euro I	08-176300-00	125	6	3	Mo	3	Cr			4	Cr		
1288030	OM355		128	6	3.5	Cr	3.5	Cr	3.5	P	6.5	Cr		
1288080	OM355	08-176900-10	128	6	3.5	Mo	3.5	P	3.5	P	6.5	Cr		
1288500	OM421/422/441/442	08-181700-00	128	4/6	3	Mo	3	Cr			4	Cr		
1288530	OM422	08-115800-00	128	6	3	Cr	3	P			4	Cr		
1288550	OM457/458/460Euro III	08-427000-00	128	6	3	Cr	3	Cr			4	Cr		
1288660	OM457		128	6	3	Mo	3	Cr			4	Cr		
1288680	OM421/422/441/442	08-179300-10	128	6	3	Mo	3	Cr			4	Cr		
1308040	OM442/443	06-742300-00	130	6	3	Cr	3	Cr			4	Cr		
1308050	OM440/442	08-743200-00	130	6	3	Mo	3	Cr			4	Cr		
1308530	OM541 EuroIII		130	8	3	Cr	3	Cr			4	Cr		
1398540	OM472 EuroVI		139	6	3.5	CKS	2.5	Cr			4	Cr		
MITSUBISHI 三菱														
0918040	4D55	MD050395	91.1	4	2.5	Cr	2	Cr			4	N		
0918090	4D56	MD050390	91.1	4	2.5	Cr	2	Cr			4	N		
0948140	S4E	34417-11011	94	4	2.5	Cr	2	P			4.5	Cr		
1008620	4D30	ME012010	100	4	3	Cr	2	P			5	Cr		
1008600	4D30		100	4	3	Cr	2	P			5	N		
1008700	6D31	ME012070	100	6	3	Cr	2	Cr			5	Cr		
1008710	6D31		100	6	3	Cr	2	Cr			5	N		
1008730	6D31T	ME999717	100	6	3	Cr	2	P			4	Cr		
1008740	6D31T	ME999783	100	6	3	Cr	2	P			4	N		
1028530	S6K-T		102	6	3(2.89)	Cr P	2 (1.9)	Cr P			4	Cr P		
1028520	S6K-T		102	6	3(2.89)	Cr P	2 (1.9)	Cr P			4	N		
1048540	4D32	ME997318	104	4	3	Cr	2	Cr			4	Cr		
1048560	4D32		104	4	3	Cr	2	Cr			4	N		
1048580	4D34T	ME997240	104	4	3	Cr	2	Cr			4	Cr		
1048600	4D34T		104	4	3	Cr	2	Cr			4	N		
1048730	4D34	ME997237	104	4	3	Cr	2	Cr			4	Cr		
1088550	4D33	ME996378	108	4	3	Cr	2	Cr			4	Cr		
1088590	4D33		108	4	3	Cr	2	Cr			4	N		
1108810	4D35	ME996628	110	4	3	Cr	2.5	Cr			4	Cr		
1108600	6D14	ME032071	110	6	3	Cr	2.5	Cr			5	Cr		
1108590	6D14		110	6	3	Cr	2.5	Cr			5	N		
1108610	6D14T	ME997465	110	6	3	Cr	2.5	Cr			4	Cr		
1108620	6D14T		110	6	3	Cr	2.5	Cr			4	N		
1138500	6D15	ME032403	113	6	3	Cr	2.5	Cr			5	N		
1138510	6D15		113	6	3	Cr	2.5	Cr			5	Cr		
1138520	6D15T	ME997456	113	6	3	Cr	2.5	Cr			4	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1138530	6D15T		113	6	3	Cr	2.5	Cr			4	N		
1188510	6D16		118	6	3	Cr	2.5	Cr			4	N		
1188520	6D16	ME999540	118	6	3	Cr	2.5	Cr			4	Cr		
1188530	6D16T	ME996591	118	6	3	Cr	2.5	Cr			4	Cr		
1188560	6D16T		118	6	3	Cr	2.5	Cr			4	N		
1308550	6D22		130	6	3.3	Cr	3	Cr			6	N		
1308570	6D22	ME052124	130	6	3.3	Cr	3	Cr			6	Cr		
1308540	6D22T		130	6	3.5	Cr	3	Cr			4	N		
1308580	6D22T	ME052889	130	6	3.5	Cr	3	Cr			4	N		
1358510	8DC6/8DC81	ME062022	135	8	3.5	Cr	3	Cr			6	Cr		
1358520	8DC8A	ME090574	135	8	3.5	Cr	3	Cr			4	N		
1358570	8DC9T	ME090578	135	8	3.5	Cr	3	Cr	3	Cr	4	Cr		
1358580	8DC9T		135	8	3.5	Cr	3	Cr	3	Cr	4	N		
1358560	8DC9T	ME062018	135	8	3.5	Cr	3	Cr	3	Cr	6	Cr		
1358550	8DC9T		135	8	3.5	Cr	3	Cr	3	Cr	6	N		
1388510	8DC10	ME997030	138	8	3.5	Cr	3	Cr	3	Cr	4	Cr		
1488520	6LAA		148	6	4	Cr	3.5	Cr	3.5	Cr	6	Cr		
1608520	S6N		160	6	3.12	Cr4	3.1	Cr			6	Cr		
1708520	S6R2		170	6	3.6	Cr4	3.6	Cr			5	Cr		
Detroit Diesel 底特律														
0988620	Detroit Series 53 (7rings)	5149359/23522955	98.425	4/6/8		Cr		Cr		Cr		Cr		Cr
1088560	Detroit Series 71 (8rings)	23514970	107.95	6/8	2.15	Cr	2.15	Cr	2.15	Cr	2.15	Cr	2.15	Cr
1238540	Detroit Series 92 (7rings)	23524349	123	6/8/12	2.6	Cr	2.36	Cr	2.35	Cr	2.35	Cr	2.35	Cr
1308710	M3T/S60	23531251	130	6	3	Mo	4	Cr			4	Cr		
1308720	M3U/S60	23503747	130	6	2.3	Cr	4	Cr			4	Cr		
1338600	DD60(S42133)	23531252	133	6	3	Cr2	4	Cr2			4	Cr		
1338610	S60	23537529	133	6	3	Cr2	2.5	Cr			4	N		
1398530	DD15,DD16	800073110000	139	6	3.5	CKS	2.5	Cr			4	Cr		
1398540	DD15,DD16	800108710000	139	6	3.5	CKS	2.5	Cr			3.5	Cr		
1468100	Detroit Series 149		146	12		Cr		Cr		Cr		Cr		Cr
NISSAN 尼桑														
1008520	FD6T	12033-Z5504	100	6	3	Cr	2	Cr			4.5	Cr		
1008830	FD6T		100	6	3	Cr	2	Cr			4.5	N		
1088570	FE6T	12040-Z5505	108	6	3(2.88)	Cr	2	Cr			4.5	Cr		
1108560	ND6	12040-90127	110	6	4	Cr	3	Cr			5	Cr		
1108520	ND6		110	6	4	Cr	3	Cr			5	N		
1108570	NE6	12040-95012	110	6	3	Cr	2.5	Cr			4	N		
1258560	PD6	12040-90026	125	6	5	Cr	3.5	Cr			5	Cr		
1258600	PD6		125	6	5	Cr	3.5	Cr			5	N		
1258570	PD6T	12040-90028	125	6	4	Cr	3.5	Cr			5	Cr		
1258610	PD6T		125	6	4	Cr	3.5	Cr			5	N		
1338530	PE6	12040-90025	133	6	4	Cr	3.5	Cr			6	Cr		
1338500	PE6		133	6	4	Cr	3.5	Cr			6	N		
1338520	PE6T	12040-96225	133	6	4	Cr	3.5	Cr			6	Cr		
1338510	PE6T NEW	12040-96228	133	6	3	Cr	2.5	Cr			4	N		
1338540	PF6	12040-96564	133	6	2.5	Cr	2.5	Cr			4	N		
1358590	RD8	12040-97007	135	8	4	Cr	3	Cr			6	Cr		
1358610	RE8	12040-97079	135	8	3	Cr	3	Cr			5	Cr		
1388500	RF8	12040-97072	135	8	2.5	Cr	2.5	Cr			4	Cr		
PERKINS 帕金斯														
0918550	PERKINS P3.152	41158057	91.49	4	2.38	Cr	2.38	Cr	3.16	P	6.33	Cr	6.33	P
0918550	PERKINS P3.152	41158058	91.49	4	2.38	Cr	2.38	Cr	3.16	P	6.33	P	6.33	P
0918550	PERKINS 3.152.2	41158066	91.49	4	2.38	Cr	2.38	Cr	2.38	P	6.33	Cr		
0918580	PERKINS 3.152.2	41158065	91.49	4	2.38	Cr	2.38	Cr	2.38	P	4.76			
0918620	PERKINS T3.152	41158144	91.49	4	2.38	Cr	2.38	Cr			4.76	Cr		
0918620	PERKINS T3.152	41158012	91.49	4	2.38	Cr	2.38	Cr			6.33	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
0918600	4181A017		91.49	4	3	Mo	2.38	Cr			3.5	Cr		
*094400	MPRK0002		94	4	2.5	Cr	2	Cr			4	Cr		
0988540	PERKINS 6.354	41158041	98.48	6	2.38	Cr	2.38	Cr	2.38	P	6.33	Cr	6.33	P
*098000	PERKINS4.212/6.236	41158044	98.48	4/6	2.38	Cr	2.38	Cr	2.38	P	6.33	Cr		
0988580	PERKINS 6.354	41158017	98.48	6	2.38	Cr	2.38	Cr			4.76	Cr		
0988550	PERKINS T6.354.4	41158005	98.48	6	3.16	Mo	2.38	Cr			4.76	Cr		
0988550	41158045		98.48	4/6	2.38	Cr	2.38	Cr			4.76	Cr		
0988550	PERKINS T4.236	4181A022	98.48	4	3.16	Mo	2.38	Cr			4.76	Cr		
0988550	PERKINS T6.354.1	41158031	98.48	6	2.38	Cr	2.38	Cr	2.38	P	6.33	Cr		
0988550	PERKINS 6.354.2	41158032	98.48	6	3.16	Mo	2.38	Cr	2.38	P	6.33	Cr	6.33	P
0988550	PERKINS4.236		98.48	4	2.38	Cr	2.38	Cr	2.38	P	4.76	Cr		
0988550	PERKINS6.354	41158026	98.48	6	2.38	Cr	2.38	Cr	2.38	P	6.33	P	6.33	P
1008820	PERKINS 6.60	08-101700-00	100	6	2.5	Mo	2.5	Cr			4	Cr		
1008850	PERKINS T4.40	4181A019	100	4	2.5	Cr	2.5	P			4	Cr		
1003420	PERKINS C4.40	4181A026	100	4	3.5	Mo	2.5	P			4	Cr		
1008590	PERKINS T4.40	4181A033	100	4	3.5	Cr	2.5				3	Cr		
1003400	PERKINS C4.40	4181A026	100	4	3.5	Cr	2.5	P			4	Cr		
1008830	PERKINS C4.40		100	4	3	Mo	2.5	P			4	Cr		
1008830	PERKINS 6.01	4181A021	100	6	3	Cr	2.5	P			4	Cr		
1018510	P4000/4001		101.05	6	3	Cr	2.5	Cr			4	Cr		
1018530	PERKINS 4.248	41158022	101.05	4	2.5	Cr	2.5	Cr			5	Cr		
1018600	PERKINS 4.41	4115Y001	101.05	4	2.5	Mo	2.5	Cr			5	Cr		
1018610	PERKINS 4.248	4181A009	101.05	4	2.38	Cr	2.38	Cr	2.38	P	6.33	Cr		
1018620	PERKINS 4.248	41158022	101.05	4	2.5	Mo	2.5	Cr			5	Cr		
1058600	1104C/1103A	UPRK0002	105	4	3.5	Cr	2.5	P			3	Cr		
1058920	1104C/1103A	UPRK0002	105	4	3.5	Mo	2.5	P			3.5	Cr		
1058920	1104C/1103A	UPRK0002B	105.5	4	3.5	Mo	2.5	P			3.5	Cr		
1058610	1103C/1104C	UPRK0003	105	4	2.5	Cr	2.5	P			3.5	Cr		
1058940	1103C/1104C	UPRK0003	105	4	2.5	Mo	2.5	P			3.5	Cr		
1058620	1104C/1104D/1106D	UPRK0005	105	4	3	Cr	2.5	P			3	Cr		
1058900	1104C/1104D/1106D	UPRK0005	105	4	3	CKS	2.5	P			3	Cr		
1118070	PERKINS 4.256		111.76	4	2.38	Cr	2.38	P	2.38	P	4.76	Cr		
RENAULT 雷诺														
1028610	RENAULT 720	08-346500-10	102	4	3	Cr	2.5	P			5	Cr		
1028610	RENAULT 720 4 rings		102	4	3	Cr	2.5	P	2.5	P	5	Cr		
1028510	RENAULT MIDR 04.02 RENAULT MIDR 06.02	08-522900-00	102	4/6	3.5	Mo	2.5	Cr			4	Cr		
1028510	RENAULT MIDR 04.02 RENAULT MIDR 06.02	08-522900-00	102	4/6	3.5	CKS	2.5	Cr			4	Cr		
1028510	RENAULT DXi 5/DXi 7	08-430000-00	108	4/6	3	CKS	2	N P			3.5	Cr		
1208680	RENAULT 06.20.30/45	08-337500-00	120	6	3.5	Mo	3	Cr P			4	Cr P		
1208680	RENAULT M 520/620	08-125000-00	120	6	3.25	Cr	3		3	P	4	Cr		
1208680	RENAULT 06.20.30 3rings	08-192000-10	120	6	3.25	Cr	3	Cr			4	Cr		
1208680	RENAULT 06.20.30	08-191500-10	120	6	3.25	Cr	3	Cr	3	Cr	4	Cr		
1238510	RENAULT DCI 11 RENAULT MIDR	08-135500-10	123	6	3.5	Mo	3	Cr			4	Cr		
1358030	RENAULT MIDR 06.35.40	08-702300-00	135	6	4	Cr	3	Cr			4	Cr		
1358030	RENAULT MIDR 06.35.40	08-702300-00	135	6	3.5	Cr	3	Cr			4	Cr		
1358030	RENAULT MIDR 06.35.40	08-132100-00	135	6	3.5	Cr	3	Cr	3	Cr	6	Cr		
1358030	RENAULT MIDS 06.35.40	08-335300-00	135	6	3.5	Cr	3	Cr			6	Cr		
1358030	RENAULT MIVR 08.35.30	08-132200-00	135	6	3.5	Cr	3	P	3	P	4	Cr		
VOLVO 沃尔沃														
1048620	D7A Euro II	08-142800-00	104.775	6	3.5	Mo	2.5	P			3.5	Cr		
1048620	TD73	08-502700-00	104.775	6	3	Mo	2.5	P			4	Cr		
1048620	TD70/71	08-501400-00	104.775	6	2.38	Mo	3.16	Cr			4.74	Cr		
1048620	TD70/71		104.775	6	2.38	Cr	3.16	Cr			4.74	Cr		
1088630	D7D Euro II		108	6	3	Mo	2				3.5	Cr		

Product Code	Engine models	Part NO.	Dia (mm)	Cyls	TOP		2ND		3RD		OIL1		OIL2	
					Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings	Size H (mm)	Coatings
1088730	D7D	08-136900-00	108	6	3	CKS	2	N P			3.5	Cr		
1088740	D7E/D7F Euro II	08-430000-00	108	6	3	CKS	2	N P			3.5	Cr		
1218420	D100A/F80	08-396300-00	120.65	6	2.385	Cr	3.16	Cr	3.16		4.75	Cr		
1218410	TD100B	08-407100-00	120.65	6	2.385	Cr	3.16	Cr			4.75	Cr		
1218400	TD100B	08-501600-00	120.65	6	2.385	Mo	3.16	Cr			4.75	Cr		
1218400	TD102	08-500500-00	120.65	6	3	Mo	3.16	Cr			4.75	Cr		
1218400	TD103	08-502600-00	120.65	6	3.5	Mo	3.16	Cr			4.75	Cr		
1308850	TD120	08-405600-00	130.175	6	2.38	Cr	3.16	Cr			4.75	Cr		
1308830	TD120	08-405600-00	130.175	6	2.38	Mo	3.16	Cr			4.75	Cr		
1308860	TD123	08-501300-00	130.175	6	3.5	Mo	3.16	Cr			4.75	Cr		
1318510	D12A/FH12	08-123200-00	131	6	4	Mo	3	P			4	N		
1318520	D12A /FH12		131	6	4	Mo	3	P			4	Cr		
1318520	D12F		131	6	4	CKS	3	P			4	Cr		
1318530	D13A /FH13	08-434400-00	131	6	3.5	PVD	2.5	N			3.5	N		
Motorenwerke Mannheim 曼海姆														
1283010	TBD234		128	6	3.5	Cr	3	P			4	Cr P		
1323010	TBD236		132	6	4	CKS P	3	Cr P			3.5	Cr P		
1323020	TBD616/TBG616		132	6	4	CKS P	3	Cr P			3.5	Cr P		
International 国际														
1098550	Navistar DT408	181724C93	109.25	6	3	Mo	3	P			4	Cr		
1098560	Navistar DT466	684256C95	109.25	6	3	Mo	3	P			6.35	Cr		

Large bore piston rings

CATALOG

Engine manufacturer	Engine models	Dia (mm)	Compression ring	Oil ring	CSZY P/N
YANMAR	4KDL6KF	145	3	2	1459510
YANMAR	S165	165	3	1	1659510
YANMAR	6RAL-HT	170	4	2	1709510
YANMAR	M200L	200	3	2	2009510
YANMAR	6MAL-HI	200	4	2	2009530
YANMAR	T220L-UT	220	4	2	2209510
YANMAR	6GL-UT	240	4	2	2409510
YANMAR	6ZL-DT	280	4	2	2809520
YANMAR	N330	330	3	1	3309520
DAIHATSU	6DS-18	180	3	2	1809510
DAIHATSU	DL-19	190	3	2	1959510
DAIHATSU	DL-20	200	3	1	2009550
DAIHATSU	DK20	200	3	2	2009570
DAIHATSU	DS-22	220	3	2	2209530
DAIHATSU	6PSTB-22PS-	220	4	2	2209550
DAIHATSU	DS-26	260	4	2	2609520
DAIHATSU	DK26	260	3	2	2609540
DAIHATSU	PS-26D/H	260	4	2	2609560
DAIHATSU	DK28	280	3	2	2809540
NIIGATA	6L250BX	250	4	2	2509510
NIIGATA	6L250HX	250	3	2	2509530
NIIGATA	M28AT	280	3	2	2809560
NIIGATA	310	310	3	2	3109520
HANSHIN	Z6LU28ARG	280	4	2	2809580
HANSHIN	LU35	350	4	1	3509520
AKASAKA	AH30	300	4	2	3009520
AKASAKA	DM38AK	380	4	2	3809520
AKASAKA	AH40	400	4	2	4009520
SULZER	AL20/24	200	3	2	2009590
SULZER	AL25/30	250	3	2	2509550
SULZER	ATL2V30	250	3	2	2509570
SULZER	40/48	400	3	1	4009540
WARTSILA	220	220	3	1	2209570
WARTSILA	8R32	320	3	1	3209520
WARTSILA	6L38	380	3	1	3809540
WARTSILA	8ZAL40S	400	3	1	4009580
SKL	26/20	200	3	1	2009610
SKL	6NVD36	240	4	2	2409530
SKL	8NYD48A-2U	320	4	2	3209540

Engine manufacturer	Engine models	Dia (mm)	Compression	Oil ring	CSZY P/N
MAK	6MU453AK	320	4	1	3209560
MAK	8V350	350	3	1	3509540
MAN B&W	20/27	200	3	1	2009630
MAN B&W	23/30	225	3	1	2259510
MAN B&W	S26MC	260	2	1	2609580
MAN B&W	27/38	270	3	1	2709520
MAN B&W	28/32	280	3	1	2809600
MAN B&W	32/40	320	2	1	3209580
MAN B&W	6L35MC	350	4	1	3509560
MAN B&W	X1AN40/54	400	4	1	4009600
DEUTZ	RBV545	320	4	1	3209600
DEUTZ	BV16V640	370	3	1	3709520
DEUTZ	D2400	400	5	2	4009640
MTU	396	165	2	1	1659530
MTU	BR956	230	2	1	2309510
MWM	230	230	3	1	2309530
PIELSTICK	PA6	280	3	2	2809660
PIELSTICK	PC2-2	400	4	2	4009660
PIELSTICK	PC2-5	400	4	2	4009680
PIELSTICK	PC2-6	400	4	2	4009690

Large bore piston rings

大缸径柴油机系列活塞环

CSZY as a leading manufacturer of large bore piston rings can provide the solution to rings of 15mm to 1327mm in all kinds field of applications, we develop and manufacture piston rings for almost the entire large bore marine & train engine company in China since 1943. The materials include ductile/nodular cast iron, vermicular cast iron, high-strength gray cast iron & steel. The surface coating has contained all of the first-class technique and process such as Phosphating, Chromium plating, copper plating, Tin-Tinning, PVD, CKS, DLC, etc. According to the data of diameter application & assembling factor, we select and deploy the opening and clearance of our piston rings & seals in an appropriate size and acceptable leakage rate. To ensure the highest machining accuracy and applicable distribution of elasticity through the advance equipment such as the internal & external profiling machine tools, high-precision side face machining tools to process the rings. We have high quality standards by the strict quality control system during the whole processing to make sure the best usability of our products. We have constantly updated and added new products and series; we also have inventories of general models to satisfy the urgent need of our customer. We can offer the special products which based on the demand of our customer to fix up the complex problems. We are trying to provide better service such as reduce the delivery time. When the project has confirmed, we can finish the processing in 7-15 workdays.

长沙正圆是中国领先的大缸径活塞环制造商, 为各种应用领域提供15-1327毫米直径的活塞环解决方案。我们具有80余年的生产历史, 为中国几乎所有的大缸径船用、火车发动机厂商开发制造大缸径活塞环。产品范围从球墨铸铁、蠕性铸铁、合金铸铁、乃至钢质材料制造的活塞环、产品表面进行磷化、镀铬、镀铜、镀锡、PVD、CKS和DLC等所有处理工艺与技术。根据环的尺寸和类型以及装配因素选择配置合适的活塞环开口设计及间隙以达到可接受的泄漏率。通过使用先进的内外仿形机床、高精度的平面磨床进行活塞环加工, 这保证了最高的加工精度以及合理的弹力分布。质量标准是通过质量控制系统对生产全过程的质量控制和终检来保证, 确保产品具有最佳使用性能。我们在不断地更新和添加新产品, 并有常规型号产品备货库存, 帮助客户解决产品急需问题。我们可以根据客户的需要, 定制有着特效要求的产品, 帮助客户解决复杂问题。方案确定后7~15个工作日即可交付, 努力减少客户交货期更好的为您服务。

Industrial seal rings/密封环系列

CSZY have a long history, rich industry experience, advanced production technology and profession knowledge to several of application. We can provide you the high-performance seals ring in different configuration and type from 15mm up to 1327mm which according to your demand. You can choose the materials which containing niobium, nickel and cobalt, etc. to meet the requirements of different applications in all kinds of extreme working condition.

We will meet your demands on dimension, quantity and quality.

长沙正圆拥有悠久的历史,丰富的行业经验和深入应用的专业知识,采用先进的生产技术,可根据客户应用的需求生产具有不同配置和不同类型、直径小至15毫米或大直径不超过1327毫米的高性能密封环产品,包含各种各样的设备比如液压设备、阀门和压缩机设备等等。根据工作条件的需要设计开口形状和选择恰当的工艺,选用含铌及高镍和高钴等不同的高合金材料制造,使其具有在极端环境高温高压下工作的能力。

长沙正圆将为你提供你所想要的尺寸,您所需要的数量和你所期待的质量。

Applications/品运用广泛其涵盖:

■ Exhaust Pipe Seals Rings In Diesel Engine 柴油机排气管密封卡环

We can provide several of high-quality seals rings for exhaust Pipe which design & manufacture specially to meet the technical requirement of all kinds of applications in diesel engine.

我们提供广泛的高性能排气管密封卡环,专门为客户设计制造满足于各种技术要求的柴油机应用。

■ Industrial Hydraulic Equipment Seals Rings 工业液压密封环

We can provide various of high-quality seals rings for Industrial Hydraulic Equipment which satisfy the harshest requirement. Hydraulic seals ring is widely used in Hydraulic application such as oil lift cylinder in the trash truck, forklift, etc.

我们提供广泛的高性能液压密封环,为最苛刻要求的液压应用服务。液压密封环用于各种液压油缸,从道路维护用液压气缸,垃圾车升降用液压油缸或叉车升降油缸等。

■ Mobile oil hydraulic seals rings 移动式油压密封环

We can provide various of high-quality seals rings for Mobile hydraulic equipment. Offering customized solutions to satisfy your demand.

公司为移动液压行业,提供各种各样的活塞环,提供适用于客户要求的解决方案定制以满足您的特定需求。

■ Air Compressors rings 空气压缩机密封环

We can provide various of high-quality air compressors rings in different design of gaps, materials and coatings. We can also offer the service of order management and shipments and packaging solutions.

公司主要生产不同材料及开口设计的空气和气体压缩机用密封环。我们提供各种各样密封环的订单管理以及发货和包装解决方案。

■ Vibration damper seals rings 减震器密封环

We can provide several of high-quality seals rings in cast iron which apply to different diameter. We are trying to be your high-class and trustworthy supplier with close cooperation and seamless connection.

我们可提供优质铸铁材料的系列密封环,应用于不同直径的减震器,密切合作的和无缝的对接,成为您优质可信赖的供应商。

■ Turbochargers seals rings 涡轮增压器密封环

We can provide several of high-quality Turbochargers seals rings which made of metal. It can meet the requirement of high temperature and high pressure in Turbochargers.

生产的增压器密封圈可满足于高温和高速涡轮增压器的特性。

■ Piston rings work blank 活塞环毛坯

We can provide you the piston ring blanks from 15mm up to 1327mm. You can search the most common materials used in producing piston rings in our materials page. If you need a special material to custom and design without seeing in our website, please contact us and send us your request.

我们可以向您提供直径15mm~1327mm的活塞环毛坯半成品。您可从我们材料页面看到一系列最常见类型的材料用于生产活塞环。如果您需要定制的特定材料的活塞环毛坯且没有列在我们的网站上,请联系我们的销售部门。

We invest in quality and innovation, adopt advanced production technologies, constantly discover new ways to solve complex problems, strive to reduce delivery times, cut costs and evaluate how to better create value for you and your company.

个性化定制的有着广泛需求,您可以登陆我公司网站或发邮件将您的相关要求发送给我们。我们的工程师将协助您进行环形设计并在材料和表面涂层的选用上给予您建议并使其完美的匹配。

我们投资质量和创新,采用先进的生产技术,不断发现新的方法来解决复杂问题,努力减少交货期,降低成本和评估如何更好地为您和您的公司创造价值。

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