

Steyr Series

Steyr Euro III Piston Rings

Composite Chrome Coating Piston Rings

- National patent;
- Outstanding abrasion resistance capability, friction pair life dramatically increased;
- Outstanding thermal load capacity and mechanical load capacity and comprehensive adaptability.

Steyr Selective Piston Rings

Oil ring using imported I type steel material

- Light, only 35%-45% of weight of cast rings;
- Thin;
- Small interface with cylinder wall, high contact pressure and low elastic force;
- Good flexibility, excellent cylinder wall matching;
- High intensity and not fracturable.

No.	Applied Engine Model	Cylinder Diameter	PB
1	Weichai WD615	126	2:1
2	Weichai WD618	126	2:1
3	CNHDT 126EruoIII	126	2:1
4	CNHDT 126Euro II	126	2:1
5	CNHDT 126Euro II –C	126	2:1
6	Weichai WD615 Euro II	126	2:1
7	Weichai WD615 Euro II-C	126	2:1
8	Weichai WD615 Euro II-D	126	2:1
9	Weichai WD615 Euro III	126	2:1

Jiefang Series

Jiefang Series Piston Rings/P- CVD Composite Wear Layer Technology

- High Rigidity: 1000HV_{0.1}-1300HV_{0.1};
- High Conductivity: BN is the only conductive material. At room temperature, the thermal conductivity is 18-24.55w/m*k, and increasing with the temperature rising;
- High longevity: O.D. wear resistance enhanced by more than 50%. The longevity of the whole set of rings increased by 150%;
- Low friction: f=0.062-0.088;
- Low fuel consumption;
- Low emission: CO reduced by more than 10%, CH reduced by more than 5%.

Jiefang Selective Piston Rings

I oil ring using imported I type steel material

- Light, only 35-45%weight of cast rings;
- Very thin;
- Small interface with cylinder wall, high contact pressure and low elastic force;
- Good flexibility, excellent cylinder wall matching;
- High intensity, not fracturable;
- Excellent oil scraping capacity, low oil consumption.

No.	Applied Engine Model	Control: Oil	Cylinder Diameter
1	Xichai 4100Z (A42)	2:1	100
2	Xichai 4102 Supercharging (A02)	2:1	102
3	Xichai 6110AKZ	2:1	110
4	Xichai 6DF2D—21	2:1	110
5	Aowei 29D	2:1	110
6	Dachai、Xichai 6113	2:1	113
7	Xichai 6DM1	2:1	131
8	Xichai 4113BKZ	2:1	113
9	Dachai DC6118	2:1	118
10	Dachai 6113M001A	2:1	113
11	Dachai 6113F001	2:1	113
12	Dachai 6DSF3CNG (Gas)	2:1	110
13	Dachai CA6DF1-26-51Q	2:1	110
14	Dachai DC6110D6	2:1	110
15	Dachai Deutz BF6M2012	2:1	101
16	Dachai Deutz BF6M1013FC	2:1	108
17	Dachai 20K	2:1	106
18	Dachai 498Euro III	2:1	98
19	BF6M2012-21E3	2:1	101
20	Dachai 24D	2:1	106

Piston Rings by Customers



No.	Applied Engine Model	Control: Oil	Cylinder Diameter
21	Dachai A24D	2:1	106
22	Xichai 6110KZ	2:1	110
23	Xichai AKZLA9	2:1	110
24	Xichai 6110A/K	2:1	110
25	Xichai 6110CK	2:1	110
26	Dachai AD6	2:1	110
27	Xichai XCW485	2:1	85
28	Dachai 498	2:1	98
29	Dachai 4D32	2:1	98
30	Xichai 4100(A71)	2:1	100
31	Dachai 6DE3	2:1	106
32	Dachai 24D(Excellent Wear Resistance)	2:1	106
33	Dachai 24D(selection)	2:1	106
34	Dachai 6110	2:1	110
35	Dachai 4110	2:1	110
36	Dachai 6110ZLA3	2:1	110
37	Xichai 4110CK	2:1	110
38	Xichai 4110AKZLA9	2:1	110
39	Xichai 4DF2	2:1	110
40	Dachai 6110ZLA3 (Excellent Wear Resistance)	2:1	110
41	Xichai 6110KZ (Excellent Wear Resistance)	2:1	110
42	Xichai 6110CK (Excellent Wear Resistance)	2:1	110
43	Xichai 6DF1_26 (Excellent Wear Resistance)	2:1	110
44	Xichai 6110CK selection	2:1	110
45	Xichai 6DF1_26 selection	2:1	110
46	Xichai 6113BKZ	2:1	113
47	Xichai 4113	2:1	113
48	Dachai DC6113BZ new	2:1	113
49	Dachai 6113BZ-A	2:1	113

Cummins Series

Cummins Special Honing Piston Rings

- Machined with German or Japanese automatic and high-precision numerical control devices and advanced concept of international piston rings manufacturing industry, CPK \geq 1.33;
- Surface finished with Japanese Know—3C honing machine. Good at oiling storing, anti cylinder scuffing, and abrasion resistance;
- PB — N160 phosphorizing treatment. Excellent adhesion of coating and matrix, anti-corrosive, abrasion resistant.

Cummins “Excellent Wear Resistance” Piston Rings

- Surface treated with P—CVD technology, improve the engine capacity effectively and increase the lift span of engine;
- Thermal conductivity increased by 42.68%, friction coefficient decreased to f=0.062—0.088. According to many OEM, the product is very abrasion resistant, abrasion declined by 50%, life span increased by 150%;
- Surface temperature of piston ring declined, distortion diminished, gas tightness enhanced and oil consumption decreased at working condition;
- Lower the emission, CO declined by over 10% and CH declined by over 5%;
- Wide adaptability, especially good effect for the engine at bad working condition.

Cummins Selective Piston Rings

- Oil Rings using the imported I type steel material;
- Oil Saving: I type steel oil ring is so light that the inertia loss has been reduced. Compared with cast rings, when contact pressure of oil rings is kept no change, the friction work loss is lowered by 20%;
- High intensity: the modulus of elasticity of I type steel oil rings is 2 or 3 times of the common alloy cast iron. Not fracturable. The flexibility is better than cast rings. Good conformability of cylinder wall distortion. Low oil consumption;
- Surface temperature of piston ring declined, distortion diminished, air tightness enhanced and oil consumption decreased in working condition;
- Green, engine emission has been improved. PM declined by over 10%;
- Wide adaptability, especially good effect for the engine in bad working condition.

No.	Applied Engine Model	Cylinder Diameter	PB
1	Cummins B Series	102	2:1
2	Cummins C Series	114	2:1
3	Cummins L	114	2:1
4	CCEC N Series	140	2:1
5	CCEC N Series	158.6	2:1