



CYLINDER **LINERS**

FOR ENGINES FROM
ASIAN MANUFACTURERS

TAKING RESPONSIBILITY IN A CHANGING WORLD

 **RHEINMETALL**

SLIPFIT AND PRESSFIT

DIFFERENCE AND INSTALLATION

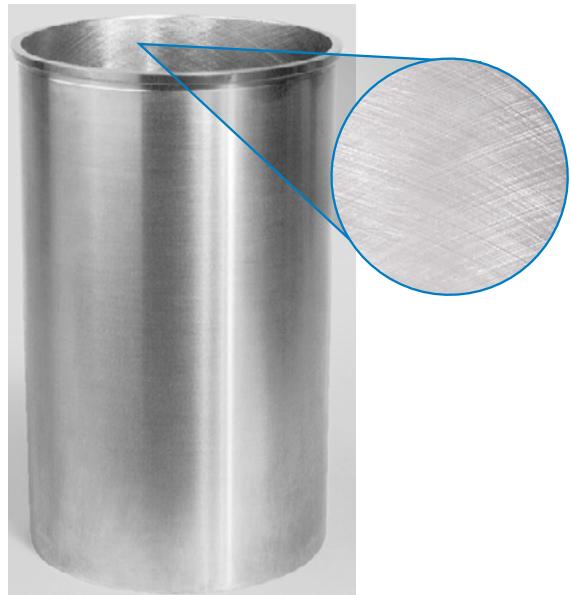
Vehicles from Asian manufacturers are very popular in all markets worldwide. Many of these vehicles are passenger cars, where overhauling the engine is not as common as it is on larger commercial vehicles. The Motorservice range also includes a number of cylinder liners for these engines, which are supplied in OEM quality.

Motorservice has sales partners on five continents. This enables Motorservice to supply required spare parts quickly and reliably, even for time-sensitive applications. Timely delivery is particularly important when it comes to spare parts for commercial vehicles, generators or marine applications.

Depending on the type of installation, the cylinder liners are divided into Slipfit Liners and Pressfit Liners.

SLIPFIT LINERS

The item numbers for the Slipfit Liners end in -110. These repair cylinder liners can be installed by hand. No further machining is necessary. The cylinder sliding surface has already been honed. No further machining is necessary, which means that the cylinder liners can be replaced in a normal repair shop. The liners are also referred to as "finished" in the catalogue.



PRESSFIT LINERS

The item numbers for the Pressfit Liners end in -190. These cylinder liners are installed by pressing them in. After this, the cylinder sliding surface needs to be drilled and honed. Due to these additional work steps, only reconditioning companies with the necessary equipment can install these types of cylinder liners.





**30 ARTICLES,
400 VEHICLE TYPES
MORE THAN 5 MILLION VEHICLES**

OEM	Engine	Item no.	In kit set
Nissan	SD20	88 603 110	-
	SD22		
	SD30		
	SD33		
Ssangyong	XD3P	89 033 190	-
Toyota	OM314.910	89 069 190	90 274 981 93 882 961
Toyota	OM314.910	89 177 190	90 274 982 93 882 962
Toyota	OM314.910	89 178 190	90 274 980 93 882 960
Suzuki	XUD9	89 184 190	93 648 970
Honda	XUD7T	89 316 190	-
Weichai	WD615.69 Euro 2	89 387 110	93 532 962
Ssangyong	OM601.940	89 429 190	91 372 960
	OM661.940		94 675 960
	OM662.940		
Hyundai	4D55	89 436 190	40 059 960
Mitsubishi	4D55T		
	4D56		
	4D56 (8V)		
	4D56T		
	4D56T (64 KW)		
Nissan	TD27	89 449 190	40 060 960
	TD27T		
	TD27ETI		
	TD27TI		
	TD42		
	TD42T		
Ssangyong	OM601.940	89 456 190	91 372 961
	OM661.940		94 823 970
	OM662.940		
Isuzu	4JB1	89 520 110	-
	4JB1-T		
	4JB1-TC		

OEM	Engine	Item no.	In kit set
Honda	20T2N	89 536 190	-
	20T2R		
Isuzu	4JG2-T	89 817 110	-
	4JH1-TC		
Toyota	1HD-FT	89 822 190	
	1HD-T		
	1H-Z		
Toyota	1KZ-TE	89 823 190	
	1Z		
Mitsubishi	4M40	89 824 190	40 054 960
	4M40-A		40 069 960
	4M40-T		
Mitsubishi	4D34	89 825 190	
	4D34T		
Mitsubishi	4M41	89 829 190	40 290 960
Nissan	YD22DDTi	89 835 190	
	YD22DDT		
	YD22ETi		
Toyota	1CD-FTV	89 836 190	
Nissan	CD20	89 838 190	-
	CD20T		
Isuzu	4EC1T	89 849 190	94 514 960
Toyota	2L	89 850 190	90 739 971
	2L-TII		94 756 961
Mitsubishi	4D30	89 851 190	-
	4D31		
Toyota	B	89 852 190	-
	11B		
Nissan	SD23	89 853 190	-
	SD25		
Mitsubishi	S6R-PTA	89 956 110	-
	S6R-MPTA		
Mitsubishi	S6R2-MPTA	89 957 110	-
	S6R2-MPTK		

HEADQUARTERS:**MS Motorservice International GmbH**

Wilhelm-Maybach-Straße 14–18

74196 Neuenstadt, Germany

www.ms-motorservice.com**www.rheinmetall.com**

© MS Motorservice International GmbH – FL 2208-02 – EN – 07/25 (072025)