

**CHANGSHA HAOCHANG MACHINERY EQUIPMENT CO.,LTD**

3#908 WANBOHUI ,NO.495 SHAOSHAN ROAD(M),CHANGSHA ,CHINA

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**Cylinder liner Catalogue**

Model	Reference Number	ID(mm)	Length(mm)	Note
<b>FORD</b>				
2.0L	1S7G-6055-AC	81.53	128.8	SF
2.3L	1L5G-6055-AB	81.63	136.4	SF
2.5L	XU3E-6055-AA	77	123.5	SF
2.5L(Mo)	9E5E-6055-AA	83	142.93	SF
3.0L	F5DE-6055-BD	84	123.5	SF
3.9L	3W43-6055-AA	81.7	134.5	SF
D35	7T4E-6055-AA	88.65	130.5	SF
D37	8M8E-6055-AA	91.65	130.51	SF
	88510110 14-604060-00	90	173	FF
5.0L	BR3E-6055-FA	90.33	131.85	SF
2512E/2514E	89002190	110.94	208.3	SF
<b>GM</b>				
	90537610	85.175	141.93	Dry
	24100262	92.175	144.5	Dry
	12577747	87.175	141.93	Dry
	12594934	85.175	141.93	Dry
	12577810	94.675	146.5	Dry
	12599781	81	139.3	SF
V6	12566220	87	126.9	SF
V8	12593543	84.58	133.9	SF
	12602082	99.1	126.9	SF
L83	12620286	91.09	137.61	SF
LV3	12629162	94.68	137.61	SF
	12566224	82.3	126.9	SF
2.0L	12621876	80.3	143.8	SF
2.5L	12627151	80.3	143.8	SF
5.3L	12643992	93	140.7	SF
6.0L	12643993	98.627	140.7	SF
6.2L	12643994	96	140.7	SF
<b>CHRYSLER</b>				
2.7L	SMC004-27S	91.45	129.9	SF
3.5L	04792792AA	91.5	137.1	SF
4.0L	TAM1-01-001	91.5	137	SF
<b>MERCURY</b>				
	51-887608-001	49	65.024	
	51-892087	52.45	94.87	
	51-892088	58.8	94.87	
40/60HP	51-893505	61	117.3	
	51-832806-003	68.9	79.42	

	51-892058	81	126	DRY
	8M4500286	81	126.6	
	51-893506	61.75	117.3	
	MTM02	85.85	138.43	
	5136774	89.1	153	
	8M0035958/9	99.6	141	
	8M0036879	81.1	105	
<b>NAVISTAR</b>				
I326/I308/I466	1875703C2(New)	116.586	242.00	
I334/570	1886563C1	116.586	239.50	
Aftermarket	1809935C4	101.85	214.37	
	1810504C2	109.25	239.50	
	1815674C1	109.24	239.50	
I766-11L	3002415C1(New) 51.01201-0417(old)	120	260	
I767-13L	3004672C1(New) 51.01201-0459(old)	126	257.5	
I783-11L	3006692C1	120	260	
<b>CATERPILLAR</b>				
3306	1105800 / 2P8889	120.65	254.9	
3406	1979322 / 2W6000	137.185	274.3	
3400	1979330	130	242.2	
3512	2117826	170	358.7	
C10	1482125	125	246.75	
C16	1326881	139.7	273.8	
D343	1260739	137.2	304.7	
D9G	8N9174	158.8	382.5	
<b>DETROIT</b>				
Series 92	23532754	97.8	252	
	23532785	97.8	252	
	23532786	97.8	252	
	23502476	97.9	251.8	
Series 53	5132803	98.4	251.7	
	23532783	107	282.65	
	23532784	107	282.65	
	23534452	107	282.65	
	23534454	107	282.65	
	23500559	107.11	282.6	
	5144809	121.97	279.4	
	5107176	122.97	279.4	
	5138105	145.16	315.47	
	23530172	129.3	280	
	23504234D	129	279.8	
Series 60	23531501	129.3	280	
Series 60	23531502	130.5	280	
Series 60	23531503	132.3	280	
	23532751	122	281.4	
	23532753	145	301.39	
<b>JOHN DEERE</b>				
3152D/4202D/6303D	T32340	98	197	WET
3164D/4219D/6329D	T32343	102	197	WET

3029D/3029T/3179D/ 3179T/4039D/4039T/ 6059T/6359D/6359T	R51726/R80724 R131575	106.5	197	WET
	R502260	106.49	196	WET
	R42166	120.65	249.15	WET
	R26118	101.6	204.19	WET
	R33197	107.95	204.19	WET
	R515037	105.4	219.4	SF
	R515037	106.5	218.8	FF
	517123	132	273.43	ID Harden
	522695	118.4	228.14	ID Harden
	R116397	106.5	218.8	ID Harden
<b>MWM</b>				
SPRINT	9.407.0.132.001.2 89734190	93	183	SF
SPRINT	9.407.0.132.003.2	93	183	SF
D225	9.225.8.132.004.4 61.5157.080	100	213	WET
D229	89477110	102	213	WET
D229	9.229.0.132.002.4 89728110	102	213	WET
X10	9.610.0.132.003.4 89733110	103	213	WET
Acteon Euro III	9.612.0.132.001.4	105	208	WET
Acteon Eruo IV	9.612.0.132.002.4	105	208	WET
D226	88635190N 89726190N 89727190N	105	214	SF
<b>RUSSIAN</b>				
УМЗ ЗМЗ	21-1002020-Б3	92	170	
ЗМЗ	24-1002020-02	92	170	
	66-1002020-02	92	153	
ЗИЛ	130-1002021-А2	100	188.5	
ВМТЗ	Д37М-1002021А3	105	235	Air Cooling
ЗИЛ	375-1001021-А2	108	188.5	
ММЗ	245-1002021-А1	110	230	
ММЗ, РМ Д65	240-1002021	110	245	
КАМАЗ	740.30-1002021	120	224	
	740.51-1002021	120	221	
СМД	14-0102-01	120	263	
ЯМЗ,АМЗ	01М-0102-01	130	270	
	236-1002021-Б2	130	270	
СМД	60-01102-12	130	223	
АМЗ	442-0102-1	130	271	
ЧТЗ Д-160	01466-2	145	382	
ЧТЗ Д-160-01	51-01-82А	150	382	
<b>WOLKSWAGEN</b>				
	029WN20 1402795000 03-9046.605	79.5	152	SF

	89481110N	81	148	SF
1.600 cc	C-888	85.5	136.7	Air Cooling
SKODA	14-61562000	75.5	135	
OPEL2.3	03-6676.605 G-049-105	92	172	SF
<b>PEUGEOT</b>				
206	Renault-R14TS	75	135	FF
P405 DIESEL	XU5	83	141	FF
P406 DIESEL	XU7	83	141	FF
P405 DIESEL	XU7	82.95	141.4	SF
XID80/XIDL/XUD		80	154	SF
XD94		94	170.6	SF
DV6	9683668210	68.7	142.55	SF
EW6/7	9622390280	77.61	128.9	SF
EW12	9622390280	80.91	137.5	SF
EW10	9622390280	77.5	128.9	SF
P504		84	135	FF
P505 PETROL	40427421(050)	88	136.2	FF
<b>BENZ</b>				
	G-017-105 03-2485.605	87	148.6	DRY-SF
OM102	G-018-105	89	146.1	DRY-SF
OM601/602/604	03-2550.615 03-2550.605	89	156.5	DRY-SF
OM616/617	03-2571.605	90.90	158.4	DRY-SF
OM352		97	226.8	DRY-SF
		97	222	DRY-SF
OM355		128	287.35	DRY-SF
OM401/LA	003WN24 89380110	125	253	Phosphated
	03-27650.600	125	253	
	03-27950.625	128	287.5	
OM421/A		128	253	Phosphated
OM444	MTU-660V 003WN25	128	253	finished
OM457	A457 011 09 10	128	266	Harden
OM501LA /OM521/522/541 /542/941/942	A541 011 00 10	130	258	finished
	A541 011 07 10			
	A541 011 03 10			
	003WN31 89594110 89530110			
MTU BR2000	5320110110	135	263	
12.8L	HMN4720110310	139	270	finished
14.8L	A4720110010	132	256	finished
<b>CUMMINS</b>				
kv	3022157	158	/	/
	3023018			
	3023017			
	3023019			
	3023020			
	4009220			

K19	4009221 4009222 4009227 4009228 4009230 4009233 4009231 4009234 4009232/02 4927541/03 4927543/03 4927542/03	158	/	/
Q	4085917 4916452 4916451 4927454	158	/	/
N14	3055099 2065405	140	/	/
M11	3080760	125	/	/
ISX	4151507/6 3686009/00	137	/	/
QSV		180	/	/
DCEC CUMMINS ISZ	4975216-00	130	/	/
6BT	3904166	100.1	/	/
6CT	3948095	114	/	/
WD615.67	61500010014	126	241	
WD615.68	61500010344	126	241	
WD615.68	61500010319	126	241	
WD615.68	612630010055	126	241	Euro III
WD618	612630010015	126	255	Euro III
<b>VOLVO</b>				
4400		98.4	234.1	
TD60A	03-93880.610	98.43	234.5	
L90		98.43	237	
TD70/4500	03-9404.600	104.77	257	
B7	037WN49	104.77	256.5	
L120		104.78	259.5	
650		105.58	244.7	
350		111.14	258.3	
FM9	037WN50	120	249.6	
TD102	479200 89431110 61.5158.060 C-2067	120.64	287.5	
TD100/N10	037WN34 89175110	120.64	296	
TD100/N10/THD100	89087110 88476110 61.5261.060 037WN21	120.64	294	

TD101G	8196330 C-1730	120.65	296	
TD100	89427110	120.65	296	
TD120/N12	037WN25 61.5262.060 89493110	130.18	310	
TD122/F12	037WN30 61.5177.060 89399110	130.18	313	
TD123/E	89549110 61.5184.060	130.18	313	
FH12	037WN48 89593110	131	272.8	
<b>MAN</b>				
D0826	89470110	108	217	DRY
D2066	51.99453-0575 51.01201-0417	120	260	11L
D2156	50.002246.583 88853110 89466110	121	287	DRY
D2366	88871110 03-2380.600	123	270	DRY
D2566	89056110	125	270	
D2676	51.01201-0459	126	257	13L
	03-58960.600	128	253	WET
D2876	89595110	128	268	WET
D2865/2866LF D2066	89518110 89186110 757400	128	270	WET
<b>PERKINS</b>				
A3.152/4.203/AD4.203	31358323 734179M1/ 734179	91.48	216	MF260,MF255,MF240,MF230, MF165,MF158,MF155,MF35, MF148,MF65,MF1
A3.152/4.203/AD4.203	31358322/ 1434175M1 31358345/ 734175M1 739043M1/ 739043	91.48	216	MF350,MF260,MF255,MF240, MF230,MF165,MF158, MF155,MF148,MF135
A4.212/A4.236/ 6.354/T6.354	31358361/ 31358349 31358393/ 744131M1 744131	98.48	227.4	MF675,MF575,MF565,MF284, MF275,MF265,MF184,MF175, MF168,MF165
A4.212/A4.236	31358341/ 31358394 31358441/ 736507M3 744948M1/ 744948Z1	98.48	227.4	MF265,MF175,MF168,MF165

A4.236/T4.236	3135X031/ 3637031M1 3637331M1/ 3637331Z1 3638796M91	98.48	226.4	MF575,MF565, MF375,MF365, MF275,MF265
A4.212/A4.236/ 6.354/T6.354	31358441/ 31358341 31358394/ 31358441 736507M3/ 744948M1 744948Z1/ 744948	98.48	227.4	MF1200,MF1100, MF284, MF274,MF178,MF 175,MF174, MF168,MF165,MF 184,MF265, MF275,MF565,MF 575,MF675
A4.236/T6.354	3135X032/ 3637032M1 3637332M1/ 3637332Z1 3637332	98.48	226.4	MF590,MF375,MF 365, MF275,MF265
T4.40/T6.60	3135X063	99.162	227.4	SF
T4.40/T6.60	3135X041/ 748215M1	100	227.4	MF396,MF399, MF615, MF3075, MF3085,MF6140
T4.40/T6.60	3135X042/ 748216M1 3158X042/ 748216	100	227.4	MF3085, MF615, MF399,MF396
T4.40/T6.60	3135X062	100.038	227.4	
A4.248/A4.248.S	31358346/ 740571M1	101.06	227.3	SF MF178,MF185,MF 188,MF194, MF285,MF290,MF 294,MF390, MF575,MF590,MF 690
A4.248	31358343/ 737214M1	101.06	227.3	SF(No Flange) MF175, MF185, MF188
A4.248/A4.248.S	31358352/ 742466M1 742466Z1/ 742466	101.06	227.3	MF590,MF575,MF 390,MF294, MF290,MF285,MF 194,MF188, MF185,MF178
A4.248.S	3135X033/ 3637033M1 3637333M1/ 3637033M91 3637333	101.092	226.4	MF690,MF590,MF 390, MF290,MF285
A4.248.S	3135X034/ 3637034M1 3637334M1/ 3637334	101.092	226.4	MF690,MF590,MF 390, MF290,MF285
A4.318	31358533/ 745990M1	114.4	230.5	MF298,MF592,MF 595, MF698,MF1004
A4.318	31358534/ 745991M1	114.4	230.50	MF298,MF592,MF 595, MF698,MF1004
3.152	31358384	90.7	216.10	
4.236/6.354	31358403 / 745-340-M1	97.61	227.28	
4.236/6.354	31358399	97.61	227.28	
4.236/6.354	31358395 / 744-132-M1	98.247	227.28	

T4.236/4.238		98.48	228.8	
4.236/6.354	31358396 / 745-245-M1	98.247	227.28	
4.236	3135X035	98.501	226.44	
4.236/6.354	31358397 / 745-246-M1	98.501	227.28	
4.236/6.354	31358398 /	98.501	227.28	
4.40/6.60	3135X044	99.7	226.44	
T4.40/T6.60	3135X061	99.825	227.477	
4.40 / 6.60	3135X045	100.038	226.44	
T4.40/T6.60/ T4.401/T6.601	3135X065	100.038	227.477	
V8.640	31358531 / 745-543-M1	116.71	226.16	
V8.640	3135X021/746-675-MI	116.8	225.53	
V8.640	31358532 / 745-544-M1	117.627	226.16	
V8.640	3135X022 / 746-676-MI	117.64	225.53	
<b>IVECO AND FIAT</b>				
FIAT UNO	1402375100	83	153.5	SF
8140072700	8140/8144	93	171	SF
814058U	8140/8144	93	167.3	SF
493	99432234	94.4	167	SF
450		94	187	SF
	14-010170-00	100	187	SF
8025.02	4653280	100	187.5	SF
8035.06	4770654 03-3513.606	100	196	SF
8030.05	4770623	104	198	SF
750		110	236	
F2B E	500333119	115	209.9	FF
OM8340.05 FR15	14-633860-00 89024110	115	235	FF
8460.21.002	61316857EZ/61316752EZ	120	250	
82000200	61316754EZ/61316859EZ	122	250	
F3A	500338223	125	240	FF
C13	504074958	135	254	FF
8210.02.00	4622074EZ /4679653EZ /4622379EZ	137	282	
8210.02.00	99450067EZ/99450068EZ	137	282	
8210.02.00	36471698EZ	137	282	
8210.02.00	98471699EZ/98471700EZ	137	282	
FVQE28	504081913	145	269	FF
<b>SCANIA</b>				
DC/DSC9	89.844.110	115	257.3	
DSC12	89541110 61.5175.035	127	271	
D/DS/DSE/DSC/DSI- 14	61.5174.035 88568110	127	276	
DS1113	61.5165.035 89731110 89730110	127	291	



DS/DSC/DSI- 11,111,112,113	1114035 89439110 61.5156.035 C-1253 C-1800 C-9043	127	291	
DS/DN/DSC/DSI-11	61.5169.035	127	291	
<b>DAF</b>				
DK/LT1160	88640110	130	288.5	
<b>UTB</b>				
650		108	258	
<b>SAVIEM</b>				
	592WN05 14-265940-00	102	220.7	
	592WN09 14-265960-00	102	234.3	
<b>DOOSAN(DAEWOO)</b>				
DL06	LB 01201-0001	100	204	
DB58	65.01201-0068	102	204	
DE08	65.01201-0050	111	233.9	
DL08	65.01201-0074	108	233	
DE12	65.01201-0051	123	270	
DB33	65.012010063/64	102	187	
D28	65.01201-0312C	128	253	Chroming
DV11	65.01201-0080	128	253	Chroming
<b>MAZDA</b>				
I4/2.0L	LF2J10311C	83.1	128.9	SF
I4/2.3L	L3AD10311A	83.1	142.9	SF
T3500		100	193.5	
SIGMA	7S7G-6055-DA	75	125.85	
1.8L	1S7G-6055-BC	77	128.8	
SL	SL01-23-311	100	193.5	
TF	TFY0-10-311	105.5	200	
VA	0552-10-311	82	169	
JSK2700	K65A-10-311	94.5	167.7	
<b>MITSUBISHI</b>				
NM75		78	156.5	
4D56	MD103648	90	167	SF
4M40	MD168963	94.2	98	
6DB1	30007-62200	110	270	
	ME221680	114	199.1	
6D16(new)	ME051157	118	206	
6D22	ME061036	130	262	
8DC82	ME062602-4	135	230	
8DC9	ME062604	135	258	
4D32 W/O FLANGE	ME012900	103.3	197	FF
4D33 W/O FIANGE	ME013333	107.3	200	FF
6D14	ME031453/63	109.3	206	FF
4D55/T/56/T W/O FLANGE	MD050430	90.4	165	FF
4D31	ME011523	99.3	191	

6D15	ME031654	113	206	
6D16	ME071224	118	209	
6D17-1A	ME071125/225	118	210	
6D22	ME051217	130	261	
6D15.3AT	ME047574	113	206	
6D16T		118	206	
4M40-T W/O FLANGE	MD168963	95	186	
4G41R		75.5	128	
T120SS		71	130	
4G33		72	150	
4G32		76	150	
4D55	ME050243	90	164.5	
L100		69	135	
4DR5/T210	31607-02202	91	176	
FE111/4D30	ME011513	99	196.5	
PS100/4D31	ME011606	99	191.5	
PS120/4D34	ME013366	103	197	
4D35 W/O FLANGE	ME013678	109.3	200	
PS135/4D33		107	197	
<b>KOMATSU</b>				
4D95/6D95	6207-21-2110	95	180	
6D14	ME031617	110	206	
6D14T		110	210.5	
6D15	ME071062	113	210	
6D15(N)	ME071090	113	210	
6D16	MR041105	118	209	
6D125	6207-21-2210	125	256	
6D22	ME061036	130	262	
8DC9	ME062604	135	260	
RF8		138	238	
<b>HINO</b>				
		90.04	198	3 T
		97	205.7	5T
WO4D		104	200	
H07C	11467-1200	110	203	
EH-700		110	204	
J08E		112	203	
J08CT		114	204	
J07C/J08C	11467-2621	114	203	
EL100	11467-1240	116	222.5	
EP100	11467-1730-1	120	236	
		120.04	287	7T
P11C		122	228.5	
EM100	11467-1661	124	236	
		128.02	290.7	10T
K13C	11467-2090	135	267	
EK100	11467-1910	137	266.5	
F17C	11467-1702	139	248.5	
DUTRO		104	201	
<b>ISUZU</b>				
DA120	9-11261-287-1	100	220	

DA640A	9-11261-302-0	102	228.5	
DA640B	9-11261-293-0	102	228.5	
DA640C	9-11261-288-0	102	228.5	
6HE1T	8-49390-530-D	110	210	
4HF1	8-97144-174-0	112	180	
6HH1	8-94393-273-1	115	210	
10PC1	1-11261-076-0	119	219.25	
6HE1T	8-94396-332-0	109.3	210	
6SA1	1-11261-065-3	115	216.3	
6RB1	1-11261-082-0	135	264	
4HG1	8-97351-558-1	115	180	
<b>NISSAN</b>				
FD35		102.5	191	
FE6	11012-Z5518	108	220	
FE6T	11012-Z5604-5	108	220	
PD6	11012-96000-1	125	259	
PE6T-T	11012-96500	133	259	
RF8-1		138	238.5	
RG8		142	235.8	
PF6		133	259	
BD30T	11012-54T00	96	172.5	
TD27	11012-2S000	96	160	SF
TD42	11012-06J00	93.5	160	FF
ND6	11012-95001	110	229	
TD23	11012-02N00	89	160	
TD25	11012-44G05	92.9	160.5	
FD42	11012-0T000	108	198	
J15/RD8		77	150	
<b>TOYOTA</b>				
2C	11461-64090	85.3	151	
2J	11461-48011	88	183.5	
22R		91.2	180	
2L	11461-54030	91.2	160.5	SF
1HZ	11462-17010	93	166.5	
2B	11461-57010	98	190.5	FF
3B	11461-58010	102	188	
3L	11461-54090	95.3	190	
5L	11461-54120	98.8	155	SF
1KZ-TE	11461-78300	96	170	FF
3K		74	122	
4K		74	135	
5K		79.5	146	
7K		79.5	140	
12R		79.5	144	
LH11	11461-54101	89	160.5	
13B	11461-58020	102	188	
14B	11461-58040	101	196	
BU30	11461-56020	94	190	
2F		93	190	
PS125		102	200	
<b>YANMAR</b>				

NS50/50C	NS50.01110	75	138.75	
NS75/75C/75T	NS75.01111	80	154.75	
NS90/90C	NS90.01111	85	164.75	
BTD22/33	BTD22.01111	90	168.7	
NS11/11C/11T	NS11.01111	92	170.75	
NS18/18C	NS18.01111	102	193.75	
SSY1105	106660-01100	105	197	
SSY1115	106760-01100	115	197	
HA 220		130.01	293.8	
ET80/KND80	G1213	84	150.75	
TF85	105400-01100	85	154	
TF65	105200-01100	78	140.3	
<b>DAIHATSU</b>				
V22H/DG	11461-87302	87	182	
DL	11461-87303	92	182	
S75		75	128	
HUNTER		87	182	
S89		75	132	
S10P		71	127	
<b>SUZUKI</b>				
ST100A		64.5	120	
ST100B		64.5	122	
ST20H		60	125	
TYTURA		74	145	
VITARA		74	150	
LJ80		61	120	
<b>KIA</b>				
JT3.0	K75A-10-311	98	166.2	
JD K3500	OK410-10-311B	100	193.5	
<b>OTHER</b>				
MIDLAM		102	218	
ROMANI		108.01	258.1	
BMC		114.02	235	
DORMAN		127	296	
K150		150	345	
D215		215	522	
L3	1115-02311	86	146.25	KUBOTA

























