



EVER POWER MOTOR INC

YOU EVER MAKE THE WORLD POWER



Guide to **EVER POWER** numbers

e.g. CR 09540 4 SN IU A
 ① ② ③ ④ ⑤ ⑥

① Category for CYLINDER LINER

② Bore Diameter

09540 = 95.4mm

③ Numbers of cylinder liners and sleeves

4 = 4 CYLS **6** = 6 CYLS **A** = 10 CYLS **C** = 12 CYLS

④ Description of Cylinder liner

F = FULLY-FINISHED	N = WITH FLANGE
S = SEMI-FINISHED	B = PHOSPHATED
	C = CHROMED-ID
	D = WATER JACKET CHROMED
	K = PHOSPHATED+WATER JACKET CHROMED
	V = WITHOUT FLANGE

⑤ Makes of Vehicles/Engines

a. Asia application

AA = ASIA	DO = DAEWOO
DU = DAIHATSU	HA = HONDA
HI = HYUNDAI	HO = HINO
IU = ISUZU	KA = KIA
KU = KOMATSU	MA = MAZDA
MF = MITSUBISHI-FUSO	MI = MITSUBISHI
NN = NISSAN	SG = SSANGYONG
SI = SUZUKI	SN = SAMSUNG
SU = SUBARU	TA = TOYOTA

b. European and American application

AI = AUDI	AO = ARO
AR = ALFA ROMEO	AS = AUSTIN-MORRIS
BD = BEDFORD	BS = BELARUS
BW = BMW	CA = CHANA
CN = CITROEN	CR = CHRYSLER
DF = DAF	FD = FORD
FO = FSO	FT = FIAT
GR = GARDNER	HG = HANOMAG
LA = LANCIA	LD = LADA
LR = LAND ROVER	MB = MAN
MM = MWM	MN = MASSEY-FERGUSON
MZ = MERCEDES-BENZ	OL = OPEL
OM = OM	PS = PERKINS
PT = PEUGEOT	RR = ROVER
RT = RENAULT	SA = SCANIA
SB = SAAB	SD = SKODA
SR = STEYR	ST = SEAT
TT = TALBOT	VN = VOLKSWAGEN
VM = VM	VO = VOLVO
ZA = ZASTAVA	

⑥ Series Number

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082004SNARA	AR 32501-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	AR 34202-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	AR 37101-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	939 A1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	839 A6-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	841 C-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082004SNARA	192 B1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	192 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	937 A4-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	937 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	841 G-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	841 M-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082004SNARA	841 N-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	M 729 AT.19-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNARA	M 729 AT.24-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082005SNARA	AR 32302-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	AR 32501-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	AR 34202-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082005SNARA	AR 37101-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	939 A1-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	839 A6-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	841 C-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	192 B1-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	192 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082005SNARA	937 A4-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	937 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	841 G-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	841 M-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	841 N-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	M 729 AT.19-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082005SNARA	M 729 AT.24-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNARA	939 A3.000-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082004SNARA	AR 32302-S/F(W/G)	82	12	G-1402896000		155	85	88	4.5
CR092004FBARA	HR TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FBARA	VM TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FBARA	RG-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR093004SNARA	8140.61-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNARB	8140.21.200 TURBO-S/F(W/G)	93	4	A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNARB	8144.21.200 TURBO-S/F(W/G)	93	4	A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SVARA	8140.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004FNAOA	1.4-F/F(W/G)	76	4	A-SJ4326 G-1563082000 K-89060110 M-021WN23		134	80.55	90.3	95
CR080004SNAOA	F8QT-S/F(W/G)	80	4			154	83.05	86	5
CR094004SNAOA	XD 3TP TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004FNAAA	SS K2700-F/F(W/G)	92	4	K800-10-311A		192	96.9	100.95	3.84+0.7
CR092004SNAAA	SS K2700-S/F(W/G)	92	4	K800-10-311A		192	96.9	100.95	3.84+0.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNAIA	FY-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNAIA	FZ-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNAIA	HH-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR076504SNAIA	CY TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	DE TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	NC TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076504SNAIA	RA TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	SB TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	CN-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	CR-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	CY-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNAIA	JK-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076505SNAIA	CY TURBO-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	DE TURBO-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	NC TURBO-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	RA TURBO-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	SB TURBO-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	CN-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076505SNAIA	CR-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	CY-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076505SNAIA	JK-S/F(W/G)	76.5	5	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR078306SNAIA	AFB TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	AKN TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	AKE TURBO-S/F(W/G)	78.3	6			155	82	84	3

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078306SNAIA	AYM TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	BAU TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	BCZ TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	BFC TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	BDG TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNAIA	BDH TURBO-S/F(W/G)	78.3	6			155	82	84	3

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079503SNAIA	AMF TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079503SNAIA	BHC TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	1Z TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AFN TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AGR TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AHF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNAIA	ALH TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	ASV TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	1Y-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	3D-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AAS-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AAZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNAIA	ASZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AVF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AWX TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AJM TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	ATU TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	ATD-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNAIA	AVB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	AXR-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	BKC-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNAIA	BXE-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNAIA	1Y-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNAIA	3D-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079505SNAIA	AAS-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR081005SNAIC	ACV-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AGX-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AHD-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AHY-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AJT-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNAIC	ANJ-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	APA-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AUF-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AXG-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AYC-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AYY-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNAIC	BBE-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	BBF-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAID	ACV-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AGX-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AHD-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AHY-S/F(W/G)	81	5	K-89586190		180	84	87	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNAID	AJT-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	ANJ-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	APA-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AUF-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AXG-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	AYC-S/F(W/G)	81	5	K-89586190		180	84	87	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNAID	AYY-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	BBE-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAID	BBF-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNAIC	AXD TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	AXE TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	BAC TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

AUDI

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNAIC	BLJ TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIC	BLK TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNAIA	1T-S/F(W/G)	81	5			158	84	86	4
CR081005SNAIA	AAT-S/F(W/G)	81	5			158	84	86	4
CR081005SNAIA	ABP-S/F(W/G)	81	5			158	84	86	4
CR081005SNAIA	AEL-S/F(W/G)	81	5			158	84	86	4

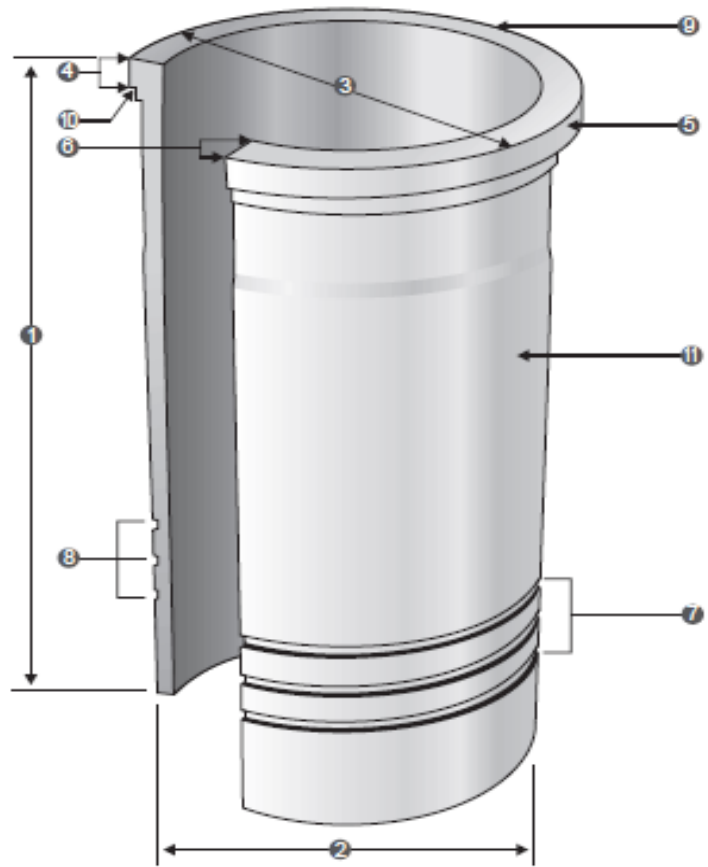
AUDI

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SVAIA	1T-S/F(O/G)	81	5			158	84		
CR081005SVAIA	AAT-S/F(O/G)	81	5			158	84		
CR081005SVAIA	ABP-S/F(O/G)	81	5			158	84		
CR081005SVAIA	AEL-S/F(O/G)	81	5			158	84		

AUSTIN-MORRIS

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070624SVASA	A SERIES-S/F(O/G)	70.62	4	A-SU3598 G-1401089000		141.28	73.09		
CR070624SVASA	A+ SERIES-S/F(O/G)	70.62	4	A-SU3598 G-1401089000		141.28	73.09		
CR080254SVASA	B SERIES-S/F(O/G)	80.25	4	A-SU351084		153.92	82.92		
CR080254SVASA	MGB-S/F(O/G)	80.25	4	A-SU351084		153.92	82.92		

LINER / SLEEVE TERMINOLOGY



- ① Total length
- ② Outside diameter
- ③ Flange diameter (Register diameter)
- ④ Flange depth (Collar height)
- ⑤ Flange
- ⑥ Top land width
- ⑦ Sealing area
- ⑧ O-Ring groove
- ⑨ Firewall
- ⑩ Machining relief
- ⑪ Barrel



BEDFORD

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR103184SNBDA	220-S/F(W/G)	103.18	4	7191818 A-SU497301 K-88041190 M-069WV03 G-1402114000		216.3	107.95	111.13	4.76
CR103184SNBDA	J 330-S/F(W/G)	103.18	4	7191818 A-SU497301 K-88041190 M-069WV03 G-1402114000		216.3	107.95	111.13	4.76
CR103186SNBDA	220-S/F(W/G)	103.18	6	7191818 A-SU497301 K-88041190 M-069WV03 G-1402114000		216.3	107.95	111.13	4.76
CR103186SNBDA	J 330-S/F(W/G)	103.18	6	7191818 A-SU497301 K-88041190 M-069WV03 G-1402114000		216.3	107.95	111.13	4.76

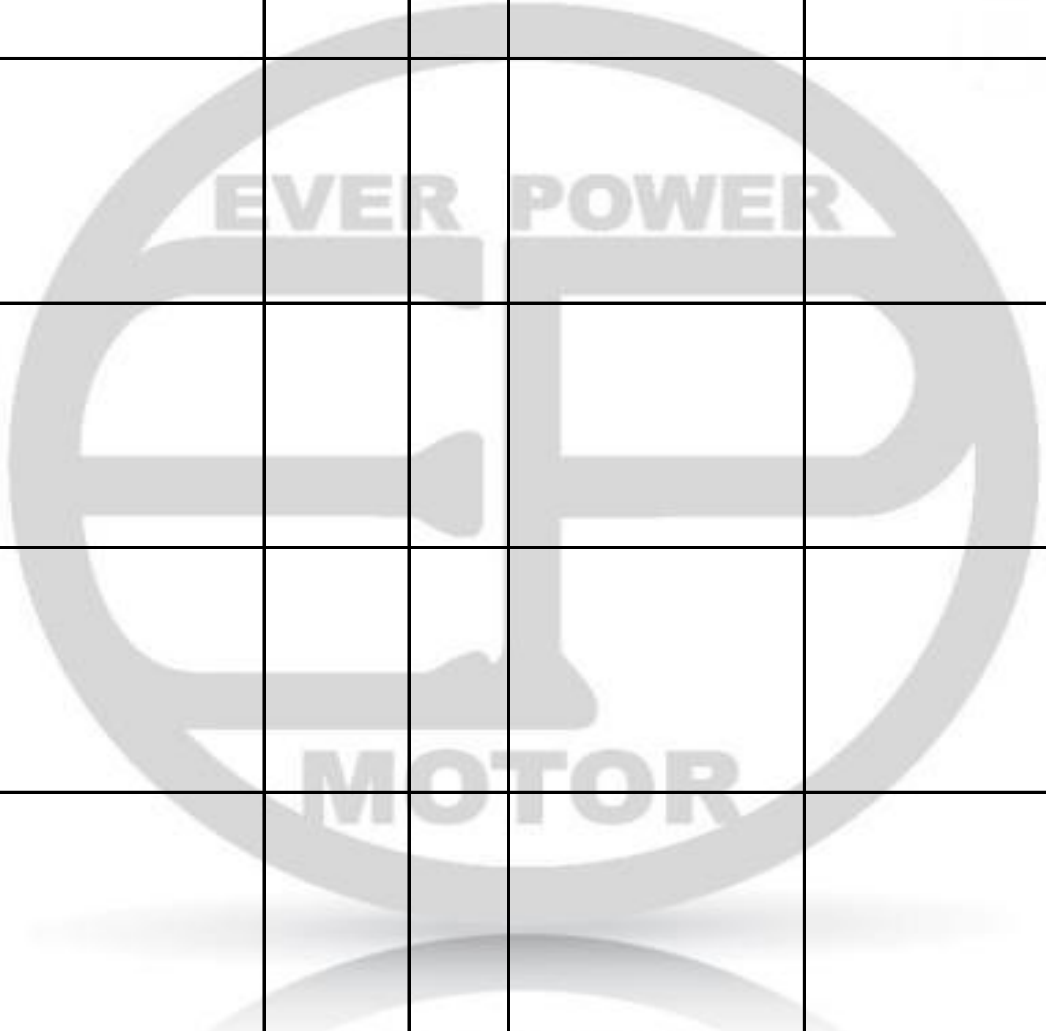
BELARUS

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110004FNBSA	MTZ-50-F/F(W/G)	110	4	G-1437621000		246	125	132.75	9.15+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073004SNBWA	ONE 1.4D 55KW-S/F(W/G)	73	4			132	77	80	5
CR073004SNBWA	ONE 1.4D 65KW-S/F(W/G)	73	4			132	77	80	5
CR073004SVBWA	ONE 1.4D 55KW-S/F(O/G)	73	4			132	77		
CR073004SVBWA	ONE 1.4D 65KW-S/F(O/G)	73	4			132	77		
CR080004SNBWA	M41D18 TURBO-S/F(W/G)	80	4			143	84	85	4.8
CR080004SNBWA	M51D25 TURBO-S/F(W/G)	80	4			143	84	85	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080006SNBWA	M41D18 TURBO-S/F(W/G)	80	6			143	84	85	4.8
CR080006SNBWA	M51D25 TURBO-S/F(W/G)	80	6			143	84	85	4.8
CR084004SNBWA	M47D20 TURBO-S/F(W/G)	84	4			152	87	90	4.5
CR084006SNBWA	M57D30 TURBO-S/F(W/G)	84	6			152	87	90	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR074004SVCAA	JL474Q-S/F(O/G)	74	4			140	78		



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FNCRA	J8S 708-F/F(W/G)	86	4	A-SJ351473 G-1400032000 K-89309110 M-021WN29		166	93.6		93.05
CR086004FNCRA	J8S 814-F/F(W/G)	86	4	A-SJ351473 G-1400032000 K-89309110 M-021WN29		166	93.6		93.05
CR086004FNCRA	J8S 890-F/F(W/G)	86	4	A-SJ351473 G-1400032000 K-89309110 M-021WN29		166	93.6		93.05
CR092004FBCRA	HR TURBO-F/F(W/G)	92	4	4720 611 A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FNCRB	ENC-F/F(W/G)	92	4	5066 748AA A-SJ351534		167.8	103	110	6.9+1.0
CR092004FNCRB	ENJ-F/F(W/G)	92	4	5066 748AA A-SJ351534		167.8	103	110	6.9+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004FNCNA	108 C-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNCNA	XV 8-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNCNB	TU 9-F/F(W/G)	70	4	M-039WN27		122	79.5	89.8	85
CR073704SNCNA	8 HT-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704SNCNA	8 HX-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704SNCNA	8 HZ-S/F(W/G)	73.7	4			137	76.78	78.7	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNCNA	9 HX-S/F(W/G)	75	4			146	78	79	4
CR075004SNCNA	9 HY-S/F(W/G)	75	4			146	78	79	4
CR075004SNCNA	9 HZ-S/F(W/G)	75	4			146	78	79	4
CR075004FNCNB	K1A-5A-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNCNB	KAY-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNCNB	KDX-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FNCNB	KFW-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNCNB	TU 32-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNCNB	KFV-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNCNB	KFW-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004SVCNA	9 HX-S/F(O/G)	75	4			146	78		
CR075004SVCNA	9 HY-S/F(O/G)	75	4			146	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SVCNA	9 HZ-S/F(O/G)	75	4			146	78		
CR080004SNCNA	161 A-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004SNCNA	A9A-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004SNCNA	XUD 7-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004SNCNA	A8A-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004SNCNA	AJZ-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5

CITROEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082204SVCNA	DW8 TD-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVCNA	WJC-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVCNA	WJY-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVCNA	WJZ-S/F(O/G)	82.2	4	K-89592190		154	86		
CR083004SNCNA	162-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNCNA	D9A-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNCNA	D9B-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNCNA	DJY-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNCNA	DJZ-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004FNCNA	B2C-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	XU 52 C-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	D61-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FNCNA	D2A-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	D6E-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	XU 9J2-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	XU 9JA-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	L6A-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	LFW-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FNCNA	LFX-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	LFZ-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	LFY-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	B1A-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	171 A-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNCNA	171 B-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FNCNA	171 BZ-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004SVCNA	162-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVCNA	D9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVCNA	D9B-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVCNA	DJY-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVCNA	DJZ-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004FNCNA	169 B-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR084004FNCNA	XM 7 T-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR085004SNCNB	DW10 ATED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNB	DW10 ATED3-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNB	DW10 BTED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNB	DW10 TD-S/F(W/G)	85	4			155	89.06	91	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNCNB	DW10 TED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNB	RHY-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNB	RHZ-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNCNA	DW10 BTED4-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNCNA	RHR-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNCNA	4HW-S/F(W/G)	85	4			165	89.06	91	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNCNA	4HX-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNCNA	4HY-S/F(W/G)	85	4			165	89.06	91	4.5
CR088004FNCNA	XN 1T-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNCNA	XN 1TA-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNCNA	170 A-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNCNA	170 B-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004FNCNA	170 C-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNCNA	170 D-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR093014SNCNA	B 25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNCNA	CRD 93-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNCNA	M 22-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNCNA	M 25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093014SNCNA	U25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR094404SNCNA	8140.43-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004FNDA	688.02-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR070004FNDA	688.13-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR094004SNDFA	EN 55-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR094004SNDFA	ET 70 TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR068503SVDOA	F8C-S/F(O/G)	68.5	3			160	72.5		
CR076504SVDOA	A15DM-S/F(O/G)	76.5	4			180	80.5		
CR076504SVDOA	A15MF-S/F(O/G)	76.5	4			180	80.5		
CR076504SVDOA	A13DM-S/F(O/G)	76.5	4			180	80.5		
CR076504SVDOA	A14DM-S/F(O/G)	76.5	4			180	80.5		
CR076504SVDOA	1.5 NEW-S/F(O/G)	76.5	4			180	80.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SVDOA	A16DM-S/F(O/G)	79	4			180	83		
CR079004SVDOA	A16MF-S/F(O/G)	79	4			180	83		
CR079004SVDOA	F16D-S/F(O/G)	79	4			180	83		
CR102004FNDOA	DB33-F/F(W/G)	102	4			187	106	112	4
CR102004SNDOA	DB33-S/F(W/G)	102	4			187	106	112	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070003SVDUA	CD-S/F(O/G)	70	3			120	74		
CR076003SNDUA	CL-S/F(W/G)	76	3	11461-877037		140	80	83	4.8
CR076003SNDUA	CLT-S/F(W/G)	76	3	11461-87703		140	80	83	4.8
CR076003FVDUA	CL-F/F(O/G)	76	3	11461-877037		140	80		
CR076003FVDUA	CLT-F/F(O/G)	76	3	11461-87703		140	80		
CR076003SVDUA	CL-S/F(O/G)	76	3	11461-877037		140	80		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076003SVDUA	CLT-S/F(O/G)	76	3	11461-87703		140	80		
CR076004SVDUA	HC-S/F(O/G)	76	4			180	80		
CR076004SVDUA	HD-S/F(O/G)	76	4			180	80		
CR076004SVDUA	HE-S/F(O/G)	76	4			180	80		
CR088004FNDUB	DG-F/F(W/G)	88	4	992-5113-1101 992-5113-1171		182	93	97	7.0+1.0
CR088004SNDUB	DG-S/F(W/G)	88	4	992-5113-1101 992-5113-1171		182	93	97	7.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004FNDUA	DG-F/F(W/G)	88	4	11461-87302		182	93	97	3.0+1.0
CR088004SNDUA	DG-S/F(W/G)	88	4	11461-87302		182	93	97	3.0+1.0
CR092004FNDUA	DL-F/F(W/G)	92	4	11461-87305		178	96	101	3.0+1.0
CR092004FNDUB	DL-F/F(W/G)	92	4	11461-87303		182	96	101	3.0+1.0
CR092004SNDUA	DL-S/F(W/G)	92	4	11461-87305		178	96	101	3.0+1.0
CR092004SNDUB	DL-S/F(W/G)	92	4	11461-87303		182	96	101	3.0+1.0

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069604SNFTA	188 A8-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNFTA	188 A9-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNFTA	199 A2-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNFTA	M 733 AT.12.Z-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SVFTA	188 A8-S/F(O/G)	69.6	4			140	73.6		
CR069604SVFTA	188 A9-S/F(O/G)	69.6	4			140	73.6		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069604SVFTA	199 A2-S/F(O/G)	69.6	4			140	73.6		
CR069604SVFTA	M 733 AT.12.Z-S/F(O/G)	69.6	4			140	73.6		
CR070004SVFTA	160 A3-S/F(O/G)	70	4	A-SU4320		116	72.98		
CR070004SVFTA	M 204 AA 11.0-S/F(O/G)	70	4	A-SU4320		116	72.98		
CR070004SVFTA	156 C.046-S/F(O/G)	70	4	A-SU4320		116	72.98		
CR070004SVFTA	176 A6-S/F(O/G)	70	4	A-SU4320		116	72.98		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004SVFTA	176 B2-S/F(O/G)	70	4	A-SU4320		116	72.98		
CR076004SNFTA	127 A5-S/F(W/G)	76	4	M-007WV69		135.2	79.1	82	5
CR076004SNFTA	M703 AA-S/F(W/G)	76	4	M-007WV69		135.2	79.1	82	5
CR076004SVFTA	127 A5-S/F(O/G)	76	4	M-007WV41		139	79		
CR076004SVFTA	M703 AA-S/F(O/G)	76	4	M-007WV41		139	79		
CR077004SVFTA	115-S/F(O/G)	77	4	M-007WV70		133	81		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR077004SVFTA	115 C-S/F(O/G)	77	4	M-007WV70		133	81		
CR080004SVFTA	128-S/F(O/G)	80	4	G-1401892000		114	84		
CR082004SNFTA	182 B4-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	185 B4-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	M 722 BT.19-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	185 A6-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNFTA	M 722 BT.24-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	186 A8-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	192 A1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	937 A7-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	939 A1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	192 B1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNFTA	192 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	937 A4-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	937 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	841 G-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	841 M-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	841 N-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNFTA	M 729 AT.19-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNFTA	M 729 AT.24-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082005SNFTA	182 B4-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	185 B4-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	M 722 BT.19-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	185 A6-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082005SNFTA	M 722 BT.24-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	192 B1-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	192 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	937 A4-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	937 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	841 G-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082005SNFTA	841 M-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	841 N-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	841 N-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	M 729 AT.19-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	M 729 AT.24-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNFTA	939 A3.000-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082204SVFTA	DW8 TD-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVFTA	WJC-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVFTA	WJY-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVFTA	WJZ-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082604SNFTA	146 B2-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6
CR082604SNFTA	149 B3-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082604SNFTA	M705 BA-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6
CR082604SNFTA	149 A1-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6
CR082604SNFTA	160 A7-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6
CR082604SVFTA	146 B2-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR082604SVFTA	149 B3-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR082604SVFTA	M705 BA-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082604SVFTA	149 A1-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR082604SVFTA	160 A7-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR082604SVFTA	M 721-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR082604SVFTA	M 721 FA-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR083004SNFTA	D9B-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNFTA	DJY-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNFTA	XUD 9A-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004FNFTB	LFW-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNFTB	XU 7 JP-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNFTB	171 B-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004SVFTA	D9B-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVFTA	DJY-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SVFTA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR084004FNFTA	169 B-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR084004FNFTA	XM 7 T-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR085004SNFTA	DW10 ATED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNFTA	RHZ-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNFTB	DW10 BTED4-S/F(W/G)	85	4			165	89.06	91	4.5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNFTB	4HW-S/F(W/G)	85	4			165	89.06	91	4.5
CR088004FNFTA	170 B-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNFTA	170 D-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR091483FNFTA	D 3.152-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNFTA	D 4.203-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR093004SNFTA	8140.07-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNFTA	8140.67-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNFTB	8144.614-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNFTB	8140.61-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNFTB	8142.61-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNFTA	8140.21 TURBO-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNFTA	8144.21 TURBO-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNFTA	8140.27 TURBO-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNFTA	8144.40 TURBO-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNFTA	8144.47 TURBO-S/F(W/G)	93	4	7 302 454 A-SU351419 K-89319190 M-007WV46 N-1402137100		171	96	98.9	5
CR093004SNFTB	8140.67-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SVFTB	8144.614-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		
CR093004SVFTB	8140.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SVFTB	8142.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		
CR093014SNFTA	B 25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNFTA	CRD 93-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNFTA	U25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR094404SNFTA	8140.23 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNFTA	8140.43 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094404SNFTA	8140.23-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNFTA	8140.43-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR098484SNFTA	4.236-S/F(W/G)	98.48	4	K-88355190 M-043WV12		227.4	103.22	106.36	3.8+1.0
CR100002SVFTA	8025.02-S/F(O/G)	100	2	G-1401017000 K-88631190 M-007WV09		187	103		
CR100003SVFTA	8030.02-S/F(O/G)	100	3	G-1401017000 K-88631190 M-007WV09		187	103		
CR100003SVFTA	8035.02-S/F(O/G)	100	3	G-1401017000 K-88631190 M-007WV09		187	103		

FIAT(IVECO)

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100003SVFTB	8035.06-S/F(O/G)	100	3	G-1401078000 K-89608190 M-007WV47		196	103		
CR100004SVFTA	8040.03-S/F(O/G)	100	4	G-1401017000 K-88631190 M-007WV09		187	103		
CR100004SVFTA	8045.02-S/F(O/G)	100	4	G-1401017000 K-88631190 M-007WV09		187	103		
CR100004SVFTB	8045.06-S/F(O/G)	100	4	G-1401078000 K-89608190 M-007WV47		196	103		
CR100006SVFTA	8060.02-S/F(O/G)	100	6	G-1401017000 K-88631190 M-007WV09		187	103		
CR100006SVFTA	8065.02-S/F(O/G)	100	6	G-1401017000 K-88631190 M-007WV09		187	103		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100006SVFTB	8065.06-S/F(O/G)	100	6	G-1401078000 K-89608190 M-007WV47		196	103		
CR104003SNFTA	8031.05-S/F(W/G)	104	3	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5
CR104003SNFTA	8035.05-S/F(W/G)	104	3	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5
CR104003SVFTA	8031.05-S/F(O/G)	104	3	A-SU351420 K-89326190 M-007WV48		198	107		
CR104003SVFTA	8035.05-S/F(O/G)	104	3	A-SU351420 K-89326190 M-007WV48		198	107		
CR104004SNFTA	8040.05-S/F(W/G)	104	4	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004SNFTA	8045.06-S/F(W/G)	104	4	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5
CR104004SVFTA	8040.05-S/F(O/G)	104	4	A-SU351420 K-89326190 M-007WV48		198	107		
CR104004SVFTA	8045.06-S/F(O/G)	104	4	A-SU351420 K-89326190 M-007WV48		198	107		
CR104005SNFTA	8055.05-S/F(W/G)	104	5	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5
CR104005SVFTA	8055.05-S/F(O/G)	104	5	A-SU351420 K-89326190 M-007WV48		198	107		
CR104006SNFTA	8060.05-S/F(W/G)	104	6	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104006SNFTA	8065.05-S/F(W/G)	104	6	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5
CR104006SVFTA	8060.05-S/F(O/G)	104	6	A-SU351420 K-89326190 M-007WV48		198	107		
CR104006SVFTA	8065.05-S/F(O/G)	104	6	A-SU351420 K-89326190 M-007WV48		198	107		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073704SNFDA	F6JA-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704SNFDA	F6JB-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR075004SNFDA	HDDA-S/F(W/G)	75	4			146	78	79	4
CR075004SNFDA	Hddb-S/F(W/G)	75	4			146	78	79	4
CR075004SNFDA	HHDA-S/F(W/G)	75	4			146	78	79	4
CR075004SNFDA	HHDB-S/F(W/G)	75	4			146	78	79	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SVFDA	HDDA-S/F(O/G)	75	4			146	78		
CR075004SVFDA	HDDB-S/F(O/G)	75	4			146	78		
CR075004SVFDA	HHDA-S/F(O/G)	75	4			146	78		
CR075004SVFDA	HHDB-S/F(O/G)	75	4			146	78		
CR079504SNFDA	AFN TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	AHU TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNFDA	1Z TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	MF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	MG TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	ASZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	AUY TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNFDA	ANU-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNFDA	G6DA-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNFDA	G6DB-S/F(W/G)	85	4			165	89.06	91	4.5
CR086004FNFDA	PGFA-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
CR086004FNFDA	QJBA-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
CR086004FNFDA	QJBB-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
CR086004FNFDA	QJBC-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FNFDA	QJBD-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
CR086004FNFDA	QVFA-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
CR086004FNFDA	QWFA-F/F(W/G)	86	4	G-1402112000		156	89	90.9	5
6004FNFDB,CR086004S	RF-F/F(W/G)	86	4	R201-23-051 RF01-10-311		165	89	94	4
CR086004SVFDB	RF-S/F(O/G)	86	4			165	90		
CR088004SNFDA	VTA-S/F(W/G)	88	4	M-039WN12 K-88524110		173.1	96	106.3	7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089904SNFDA	D4FA-S/F(W/G)	89.9	4			169	93	95	4
CR092004FBFDA	SCB TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FBFDA	SCC TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FBFDA	SCD TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR092004FBFDA	VM TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
B004FBFDA,CR093004S	WL-C-F/F(W/G)	93	4		phosphated	167.5	96.8	102.2	2.5+0.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093654SVFDA	2401 E-S/F(O/G)	93.65	4	755F6055A K-89032190 M-014WV04		171.45	96.94		
CR093654SVFDA	2401 4AA-S/F(O/G)	93.65	4	755F6055A K-89032190 M-014WV04		171.45	96.94		
CR093654SVFDA	2402 E-S/F(O/G)	93.65	4	755F6055A K-89032190 M-014WV04		171.45	96.94		
CR093656SVFDA	2401 E-S/F(O/G)	93.65	6	755F6055A K-89032190 M-014WV04		171.45	96.94		
CR093656SVFDA	2401 4AA-S/F(O/G)	93.65	6	755F6055A K-89032190 M-014WV04		171.45	96.94		
CR093656SVFDA	2402 E-S/F(O/G)	93.65	6	755F6055A K-89032190 M-014WV04		171.45	96.94		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093674SVFDA	4AB-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4BA-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4BB-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4CA-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4FA-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4GA-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093674SVFDA	4HB-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4HC-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4GB TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4GC TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4GE TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4GF TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093674SVFDA	4HA TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4HD TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4EA TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4EB TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR093674SVFDA	4EC TURBO-S/F(O/G)	93.67	4	755F6055AA A-SU351076 G-1401409000 K-89032190 M-014WV04		171.45	96.94		
CR094004SNFDA	STP-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004SNFDA	STR-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR094004SNFDB	LXD 2-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNFDB	YTR-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNFDB	YTT-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNFDB	XD 2S TURBO-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNFDA	SFA TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004SNFDA	SFB TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR096004SNFDA	TD27T-S/F(W/G)	96	4	11012-43G00 11012-43G05 11012-43G10 11012-2S000 K-89449190		160	99	105	5
CR104774SVFDA	2700-S/F(O/G)	104.77	4	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104774SVFDA	2701 E-S/F(O/G)	104.77	4	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104774SVFDA	2706 E-S/F(O/G)	104.77	4	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104774SVFDA	2704 E-S/F(O/G)	104.77	4	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104774SVFDA	2709 E-S/F(O/G)	104.77	4	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104776SVFDA	2700-S/F(O/G)	104.77	6	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104776SVFDA	2701 E-S/F(O/G)	104.77	6	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104776SVFDA	2706 E-S/F(O/G)	104.77	6	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104776SVFDA	2704 E-S/F(O/G)	104.77	6	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		
CR104776SVFDA	2709 E-S/F(O/G)	104.77	6	2701E6055B A-SU517801 G-1401370000 K-88141190 M-014WV02		219	108.8		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR106693SVFDA	2504 E-S/F(O/G)	106.69	3	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		
CR106693SVFDA	2504 ND-S/F(O/G)	106.69	3	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		
CR106693SVFDA	RD-S/F(O/G)	106.69	3	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		
CR106694SVFDA	2504 E-S/F(O/G)	106.69	4	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		
CR106694SVFDA	2504 ND-S/F(O/G)	106.69	4	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		
CR106694SVFDA	RD-S/F(O/G)	106.69	4	A-SU522801 K-88500190 M-014WV03 N-1401077000		209.6	110.78		

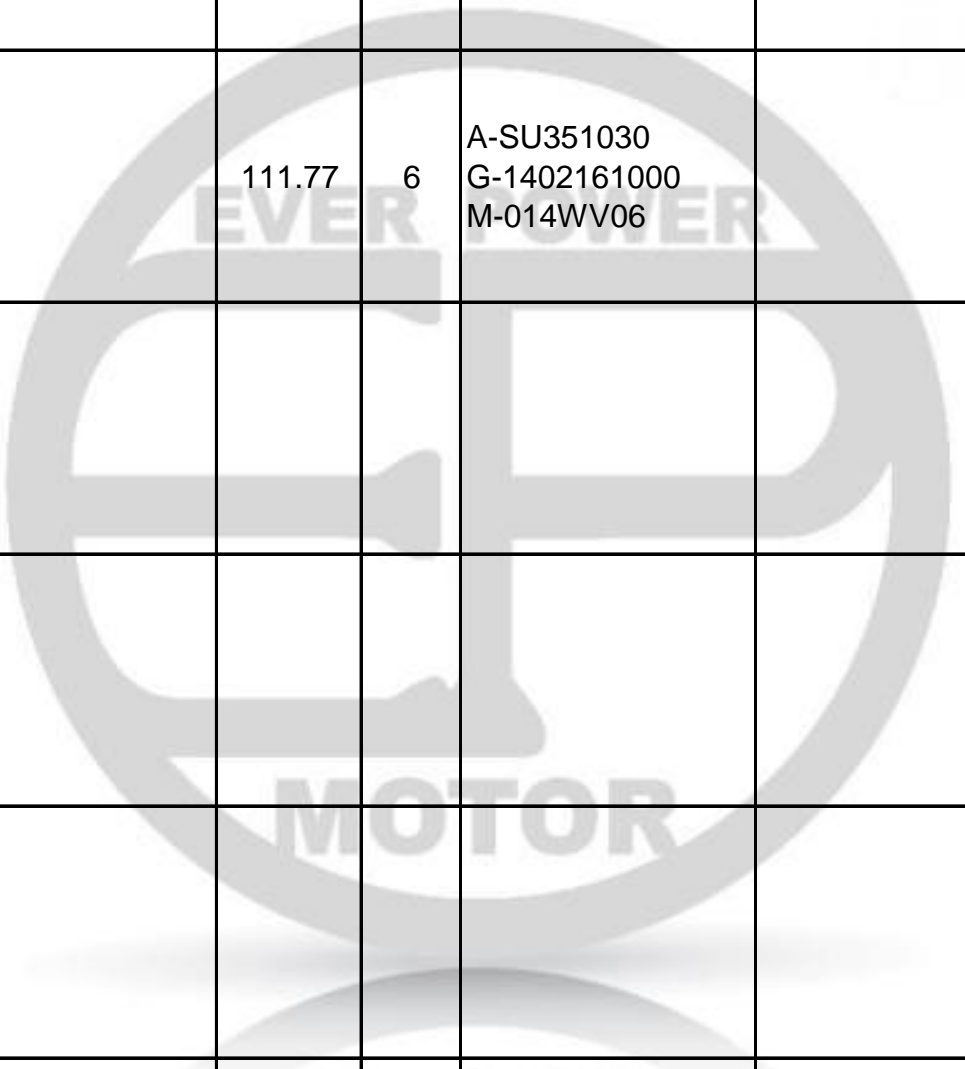
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR107214SVFDA	2711 E-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		
CR107214SVFDA	2712 E-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		
CR107214SVFDA	2722-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		
CR107214SVFDA	2714 E-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		
CR107214SVFDA	2715 C-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		
CR107214SVFDA	2725-S/F(O/G)	107.21	4	K-89158190 M-014WV11		212.73	111.39		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR107216SVFDA	2711 E-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		
CR107216SVFDA	2712 E-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		
CR107216SVFDA	2722-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		
CR107216SVFDA	2714 E-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		
CR107216SVFDA	2715 C-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		
CR107216SVFDA	2725-S/F(O/G)	107.21	6	K-89158190 M-014WV11		212.73	111.39		

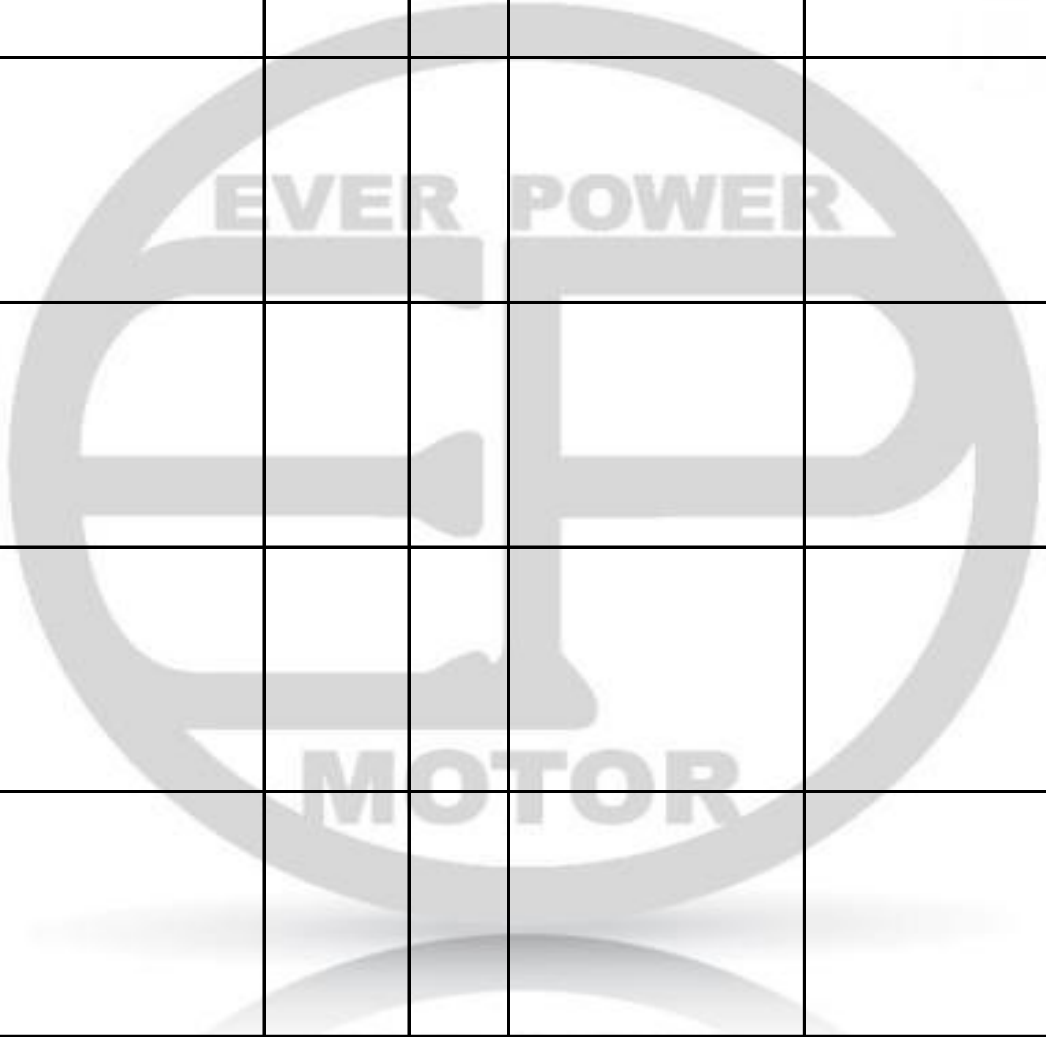
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR111773SNFDA	201-S/F(W/G)	111.77	3	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111773SNFDA	BSD 333H-S/F(W/G)	111.77	3	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111773SNFDA	256-S/F(W/G)	111.77	3	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111773SNFDA	401-S/F(W/G)	111.77	3	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111774SNFDA	2514 E-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111774SNFDA	256-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR111774SNFDA	201-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111774SNFDA	BSD 333H-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111774SNFDA	256-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111774SNFDA	401-S/F(W/G)	111.77	4	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111776SNFDA	201-S/F(W/G)	111.77	6	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111776SNFDA	BSD 333H-S/F(W/G)	111.77	6	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56

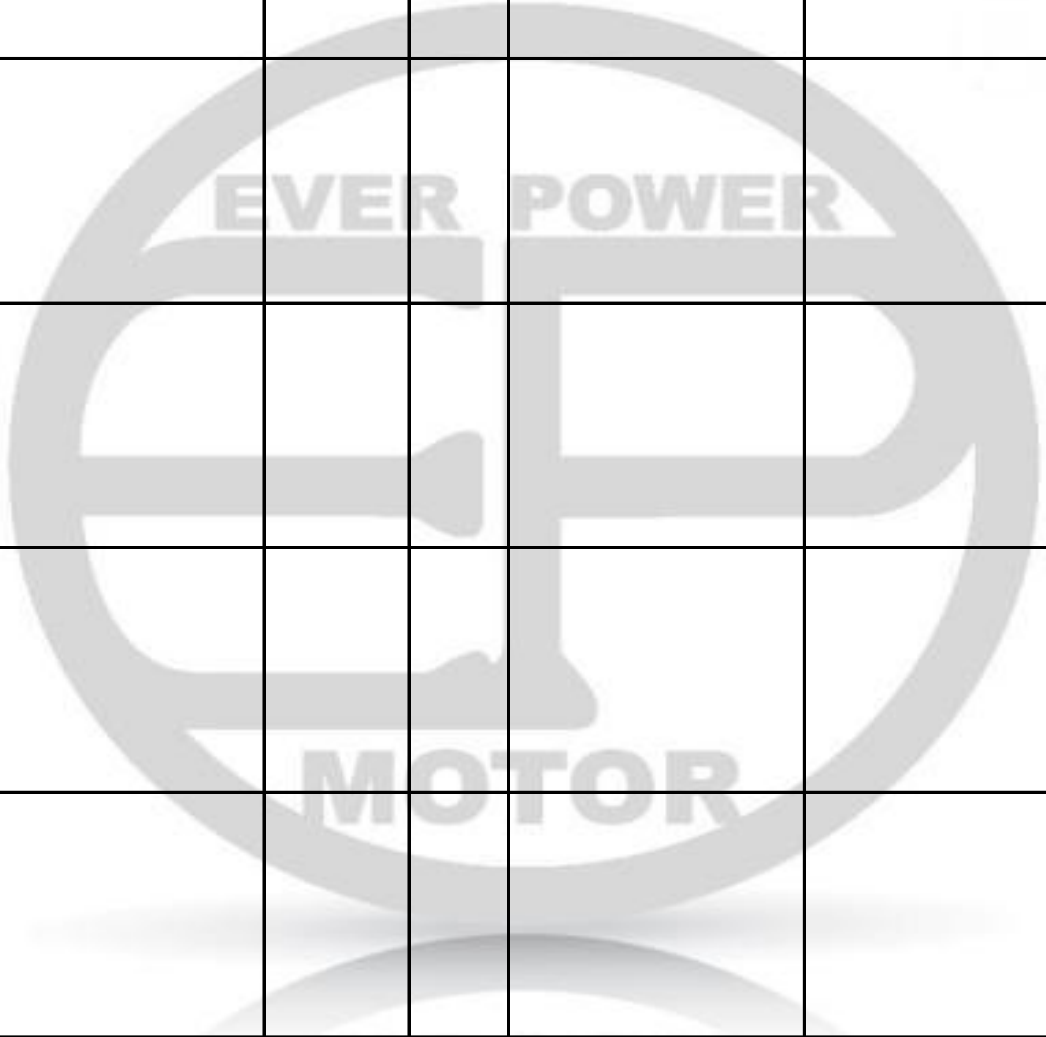
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR111776SNFDA	256-S/F(W/G)	111.77	6	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56
CR111776SNFDA	401-S/F(W/G)	111.77	6	A-SU351030 G-1402161000 M-014WV06		208.53	114.43	120.35	2.56



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR077004SVFOA	115 C-S/F(O/G)	77	4	M-007WV70		133	81		



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR107956SVGRA	LW-S/F(O/G)	107.95	6			298.2	112.78		



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNHGA	OM 314-S/F(W/G)	97	4	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNHGA	OM 352-S/F(W/G)	97	4	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNHGA	OM 353-S/F(W/G)	97	4	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNHGB	OM 314-S/F(W/G)	97	4	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNHGB	OM 352-S/F(W/G)	97	4	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNHGB	OM 353-S/F(W/G)	97	4	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNHGA	OM 314-S/F(W/G)	97	6	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNHGA	OM 352-S/F(W/G)	97	6	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNHGA	OM 353-S/F(W/G)	97	6	A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNHGB	OM 314-S/F(W/G)	97	6	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNHGB	OM 352-S/F(W/G)	97	6	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNHGB	OM 353-S/F(W/G)	97	6	G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115006SNHGA	OM 360-S/F(W/G)	115	6	G-1402424000 K-89043190 M-005WV03		253.5	120	125	5.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR090006FNHOA	DM100 KM-F/F(W/G)	90	6	11467-1401 11467-1440 2352-1695-01		198.5	104.5	110	9.0+1.0
CR097006FNHOA	EC100 KL-F/F(W/G)	97	6	11467-1130 11467-1130A 11467-1491 2353-8019-10 2353-8019-30		206	110.5	117	10.0+1.0
CR104004FBHOA	W04D -F/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104004FBHOA	W04D NEW-F/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104004FBHOA	W04CT-F/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104004FBHOA	W04DT-F/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004SNHOA	W04D-S/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104004SNHOA	W04D NEW-S/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104004SNHOA	W04CT-S/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104004SNHOA	W04DT-S/F(W/G)	104	4	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104006FBHOA	W06D -F/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104006FBHOA	W06E -F/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104006FBHOA	W06D New -F/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104006FBHOA	W06DT -F/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791	phosphated	201	107	112	8.0+0.9
CR104006SNHOA	W06D-S/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104006SNHOA	W06E-S/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104006SNHOA	W06D New-S/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9
CR104006SNHOA	W06DT-S/F(W/G)	104	6	11467-1761 11467-1771 11467-1781 11467-1791		201	107	112	8.0+0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR105006FNHOA	EH100 KR-F/F(W/G)	105	6	11467-1030 11467-1040		204	110	115	8.0+0.5
CR105006FNHOB	DS70-F/F(W/G)	105	6	11467-1280		261	122	130	10.0+1.0
CR105006SNHOA	EH100 KR-S/F(W/G)	105	6	11467-1030 11467-1040		204	110	115	8.0+0.5
CR105806FBHOA	H06BT -F/F(W/G)	105.8	6	11467-1921 11467-1931 11467-1941 11467-1951	phosphated	204	110	118	8.0+0.7
CR105806SNHOA	H06BT-S/F(W/G)	105.8	6	11467-1921 11467-1931 11467-1941 11467-1951		204	110	118	8.0+0.7
CR108006FBHOA	EH300 -F/F(W/G)	108	6	11467-1010 11467-1020	phosphated	204	112	118	8.0+0.6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108006FBHOB	H06C -F/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621	phosphated	204	113	118	8.0+0.8
CR108006FBHOB	H06CT-F/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621	phosphated	204	113	118	8.0+0.8
CR108006FBHOB	H06C-TA-F/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621	phosphated	204	113	118	8.0+0.8
CR108006SNHOA	EH300-S/F(W/G)	108	6	11467-1010 11467-1020		204	112	118	8.0+0.6
CR108006SNHOB	H06C-S/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621		204	113	118	8.0+0.8
CR108006SNHOB	H06CT-S/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621		204	113	118	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108006SNHOB	H06C-TA-S/F(W/G)	108	6	11467-1591 11467-1601 11467-1611 11467-1621		204	113	118	8.0+0.8
CR110006FBHOA	EH700 -F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07C-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07D-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07C New-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	EH700 New-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FBHOA	EH700T-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	EH700T New-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07CT-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07DT-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07CT New-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8
CR110006FBHOA	H07CA New-F/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230	phosphated	204	113	118	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FNHOB	DS50-F/F(W/G)	110	6	11467-1550 11467-1550B		266	124.5	131	10.0+1.0
CR110006FNHOB	DS80-F/F(W/G)	110	6	11467-1550 11467-1550B		266	124.5	131	10.0+1.0
CR110006SNHOA	EH700-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07C-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07D-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07C New-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006SNHOA	EH700 New-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	EH700T-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	EH700T New-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07CT-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07DT-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR110006SNHOA	H07CT New-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006SNHOA	H07CA New-S/F(W/G)	110	6	11467-1200 11467-1210 11467-1220 11467-1230		204	113	118	8.0+0.8
CR112006FBHOB	J08E-F/F(W/G)	112	6	S1146-73210	phosphated	203	117	122	8
CR112006SNHOB	J08E-S/F(W/G)	112	6	S1146-73210		203	117	122	8
CR114004FBHOA	J05C -F/F(W/G)	114	4	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8
CR114004FBHOA	J05CT-F/F(W/G)	114	4	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8
CR114004SNHOA	J05C-S/F(W/G)	114	4	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR114004SNHOA	J05CT-S/F(W/G)	114	4	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8
CR114005FBHOA	J07C -F/F(W/G)	114	5	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8
CR114005FBHOA	J07CT-F/F(W/G)	114	5	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8
CR114005SNHOA	J07C-S/F(W/G)	114	5	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8
CR114005SNHOA	J07CT-S/F(W/G)	114	5	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8
CR114006FBHOA	J08C -F/F(W/G)	114	6	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR114006FBHOA	J08CT-F/F(W/G)	114	6	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611	phosphated	204	117	122	8.0+0.8
CR114006FBHOB	J08C-F/F(W/G)	114	6		phosphated	204	117	122	8
CR114006SNHOA	J08C-S/F(W/G)	114	6	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8
CR114006SNHOA	J08CT-S/F(W/G)	114	6	11461-78060 11461-78070 11461-78080 11467-2601 11467-2611		204	117	122	8.0+0.8
CR114006SNHOB	J08C-S/F(W/G)	114	6			204	117	122	8
CR116006FNHOA	EL100-F/F(W/G)	116	6	11467-1240 11467-1270 11467-1640		222.8	129	138	9.0+0.75

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR120006FNHOA	EB300-F/F(W/G)	120	6	11467-1180 11467-1520 2334-1963-00		288	136	143	11.0+1.0
CR120006FBHOB	EP100T-F/F(W/G)	120	6	11467-1730 11467-1740 11467-1750	phosphated	236	125	132	8.0+1.0
CR120006FBHOB	P09C-F/F(W/G)	120	6	11467-1730 11467-1740 11467-1750	phosphated	236	125	132	8.0+1.0
CR124006FBHOA	EM100 -F/F(W/G)	124	6	11467-1661 11467-1671	phosphated	236	129.1	134	8.0+1.2
CR127006FBHOA	M10C -F/F(W/G)	127	6	11467-2000 11467-2010 11467-2020 11467-2030	phosphated	236	130.3	135.2	8.0+0.9
CR127006FBHOA	M10U-F/F(W/G)	127	6	11467-2000 11467-2010 11467-2020 11467-2030	phosphated	236	130.3	135.2	8.0+0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR128006FNHOA	ED100-F/F(W/G)	128	6	11467-1370		291	144	151	11.1+0.8
CR130008FDHOA	EF100 -F/F(W/G)	130	8	11467-1110	water jacket chromed	248	146	157	12.1+0.8
CR135006FDHOA	K13C-F/F(W/G)	135	6	11461-2090 11461-2380	water jacket chromed	267	153	164	12.1+0.8
CR135008FDHOA	EF550-F/F(W/G)	135	8	11467-1690	water jacket chromed	248	153	165	12.1+0.8
CR135008FDHOB	EF500-F/F(W/G)	135	8	11467-1101 11467-1120	water jacket chromed	248	153	165	13.6+0.8
CR137006FDHOA	EK100-F/F(W/G)	137	6	11467-1080 11467-1910 11467-1920 11467-1960	water jacket chromed	267	153	164	12.0+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR137006FDHOA	EK200-F/F(W/G)	137	6	11467-1080 11467-1910 11467-1920 11467-1960	water jacket chromed	267	153	164	12.0+0.8
CR137006FDHOA	K13D-F/F(W/G)	137	6	11467-1080 11467-1910 11467-1920 11467-1960	water jacket chromed	267	153	164	12.0+0.8
CR137006FDHOA	EK130T-F/F(W/G)	137	6	11467-1080 11467-1910 11467-1920 11467-1960	water jacket chromed	267	153	164	12.0+0.8
CR137008FDHOA	EF750-F/F(W/G)	137	8	11467-1091 11467-1900	water jacket chromed	248	153	165	12.0+0.8
CR139008FDHOA	F17C-F/F(W/G)	139	8	11467-1702 11467-1702A	water jacket chromed	248	154	166	12.1+0.8
CR139008FDHOA	F17E-F/F(W/G)	139	8	11467-1702 11467-1702A	water jacket chromed	248	154	166	12.1+0.8

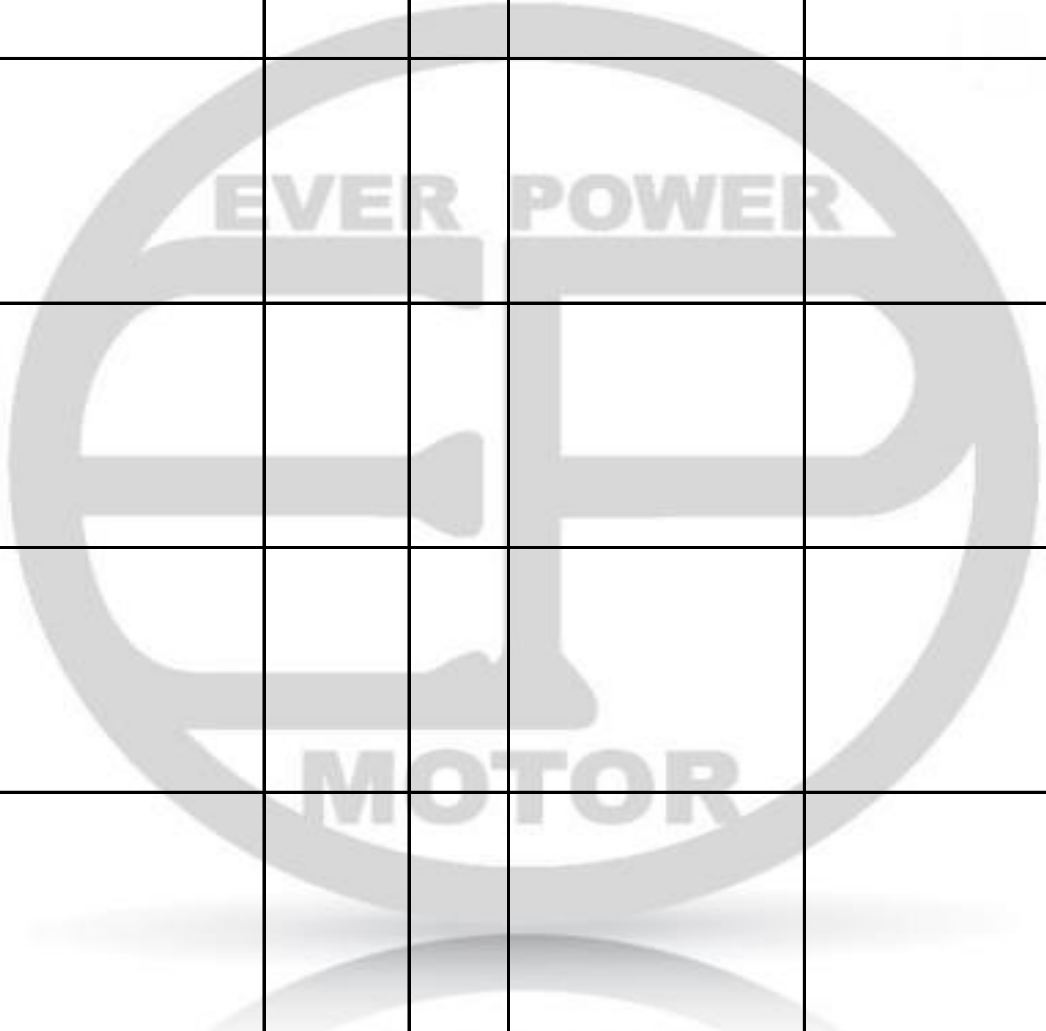
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR146008FBHOA	F20C-F/F(W/G)	146	8	11467-2280 11467-2290 11467-2300 11467-2690	phosphated	224	154	160.9	8.5+1.2
CR146008FBHOB	F20C-F/F(W/G)	146	8	11467-2280 11467-2290 11467-2300 11467-2690	phosphated	224	152	159	8.0+1.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004SVHAA	EB1-S/F(O/G)	70	4			127	74		
CR079004SNHAA	CIVIC 1.7 CTDi-S/F(W/G)	79	4			144	83	87	2
CR079004FVHAA	CIVIC 1.7 CTDi-F/F(O/G)	79	4			144	83		
CR079004SVHAA	CIVIC 1.7 CTDi-S/F(O/G)	79	4			144	83		
CR080004SNHAA	CONCERTO 1.8 TD-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004FVHAA	CONCERTO 1.8 TD-F/F(O/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SVHAA	CONCERTO 1.8 TD-S/F(O/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83		
CR084504SNHAA	20T2N TURBO-S/F(W/G)	84.5	4	K-89536190		158.5	88	90.5	4
CR084504SNHAA	20T2R TURBO-S/F(W/G)	84.5	4	K-89536190		158.5	88	90.5	4
CR084504FVHAA	20T2N TURBO-F/F(O/G)	84.5	4	K-89536190		158.5	88		
CR084504FVHAA	20T2R TURBO-F/F(O/G)	84.5	4	K-89536190		158.5	88		
CR084504SVHAA	20T2N TURBO-S/F(O/G)	84.5	4	K-89536190		158.5	88		

HONDA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084504SVHAA	20T2R TURBO-S/F(O/G)	84.5	4	K-89536190		158.5	88		



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR063004SVHIA	G4HA-S/F(O/G)	63	4			122	67		
CR066004SVHIA	G4HC-S/F(O/G)	66	4			200	70		
CR073004SVHIA	4G36-S/F(O/G)	73	4			150	77		
CR073004SVHIA	4G33-S/F(O/G)	73	4			150	77		
CR075003SNHIA	D3FA-S/F(W/G)	75	3			142	78	80	4
CR075003FVHIA	D3FA-F/F(O/G)	75	3			142	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075003SVHIA	D3FA-S/F(O/G)	75	3			142	78		
CR075004SNHIA	D4FA-S/F(W/G)	75	4			142	78	80	4
CR075004SNHIA	D4FC CRDi-S/F(W/G)	75	4			142	78	80	4
CR075004FVHIA	D4FA-F/F(O/G)	75	4			142	78		
CR075004FVHIA	D4FC CRDi-F/F(O/G)	75	4			142	78		
CR075004SVHIA	D4FA-S/F(O/G)	75	4			142	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SVHIA	D4FC CRDi-S/F(O/G)	75	4			142	78		
CR075504SVHIA	G4DJ-S/F(O/G)	75.5	4			140	79.5		
CR075504SVHIA	G4EK-S/F(O/G)	75.5	4			140	79.5		
CR075504SVHIA	G4FK-S/F(O/G)	75.5	4			140	79.5		
CR075504SVHIA	1.5-S/F(O/G)	75.5	4			140	79.5		
CR075504SVHIA	G4EK-T-S/F(O/G)	75.5	4			140	79.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075504SVHIA	G4EE-S/F(O/G)	75.5	4			140	79.5		
CR077204FVHIA	D4FB-F/F(O/G)	77.2	4			140	81.2		
CR077204SVHIA	D4FB-S/F(O/G)	77.2	4			140	81.2		
CR083003SNHIA	D3EA-S/F(W/G)	83	3			153.5	86	89	4.8
CR083003FVHIA	D3EA-F/F(O/G)	83	3			153.5	86		
CR083003SVHIA	D3EA-S/F(O/G)	83	3			153.5	86		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNHIA	D4EA-S/F(W/G)	83	4			153.5	86	89	4.8
CR083004SNHIA	D4EA TCi-S/F(W/G)	83	4			153.5	86	89	4.8
CR083004FVHIA	D4EA-F/F(O/G)	83	4			153.5	86		
CR083004FVHIA	D4EA TCi-F/F(O/G)	83	4			153.5	86		
CR083004SVHIA	D4EA-S/F(O/G)	83	4			153.5	86		
CR083004SVHIA	D4EA TCi-S/F(O/G)	83	4			153.5	86		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004FVHIA	D4HA-F/F(O/G)	84	4			150	88		
CR084004SVHIA	D4HA-S/F(O/G)	84	4			150	88		
CR085004SVHIA	G4JP-S/F(O/G)	85	4			150	89		
CR085004SVHIA	G4CP-S/F(O/G)	85	4			150	89		
CR085404SNHIA	D4HB-S/F(W/G)	85.4	4			180	89.4	92.35	3
CR085404FVHIA	D4HB-F/F(O/G)	85.4	4			180	89.4		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085404SVHIA	D4HB-S/F(O/G)	85.4	4			180	89.4		
CR086504SVHIA	G4CS-S/F(O/G)	86.5	4			155	90		
CR086504SVHIA	G4JS-S/F(O/G)	86.5	4			155	90		
CR087004SNHIA	D4EB-F-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNHIA	D4EB-G-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004FVHIA	D4EB-F-F/F(O/G)	87	4			162	91.05		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004FVHIA	D4EB-G-F/F(O/G)	87	4			162	91.05		
CR087004SVHIA	D4EB-F-S/F(O/G)	87	4			162	91.05		
CR087004SVHIA	D4EB-G-S/F(O/G)	87	4			162	91.05		
CR091004SNHIA	D4CB CRDi-S/F(W/G)	91	4	21131-4A000		170.5	94.15	98.15	2
CR091004SNHIA	D4CB TCi(VGT)-S/F(W/G)	91	4	21131-4A000		170.5	94.15	98.15	2
CR091004SNHIA	D4CB TCi-S/F(W/G)	91	4	21131-4A000		170.5	94.15	98.15	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091004FVHIA	D4CB CRDi-F/F(O/G)	91	4	21131-4A000		170.5	94.15		
CR091004FVHIA	D4CB TCi(VGT)-F/F(O/G)	91	4	21131-4A000		170.5	94.15		
CR091004FVHIA	D4CB TCi-F/F(O/G)	91	4	21131-4A000		170.5	94.15		
CR091004SVHIA	D4CB CRDi-S/F(O/G)	91	4	21131-4A000		170.5	94.15		
CR091004SVHIA	D4CB TCi(VGT)-S/F(O/G)	91	4	21131-4A000		170.5	94.15		
CR091004SVHIA	D4CB TCi-S/F(O/G)	91	4	21131-4A000		170.5	94.15		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SNHIA	D4BA-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104SNHIA	D4BB-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104SNHIA	D4BF-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104SNHIA	D4BX-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104SNHIA	D4BX New-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104SNHIA	D4BH-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SNHIA	D4BH TCi-S/F(W/G)	91.1	4	21131-42001		165	94.2	98.1	2
CR091104FVHIA	D4BA-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104FVHIA	D4BB-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104FVHIA	D4BF-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104FVHIA	D4BX-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104FVHIA	D4BX New-F/F(O/G)	91.1	4	21131-42001		165	94.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104FVHIA	D4BH-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104FVHIA	D4BH TCi-F/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BA-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BB-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BF-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BX-S/F(O/G)	91.1	4	21131-42001		165	94.2		

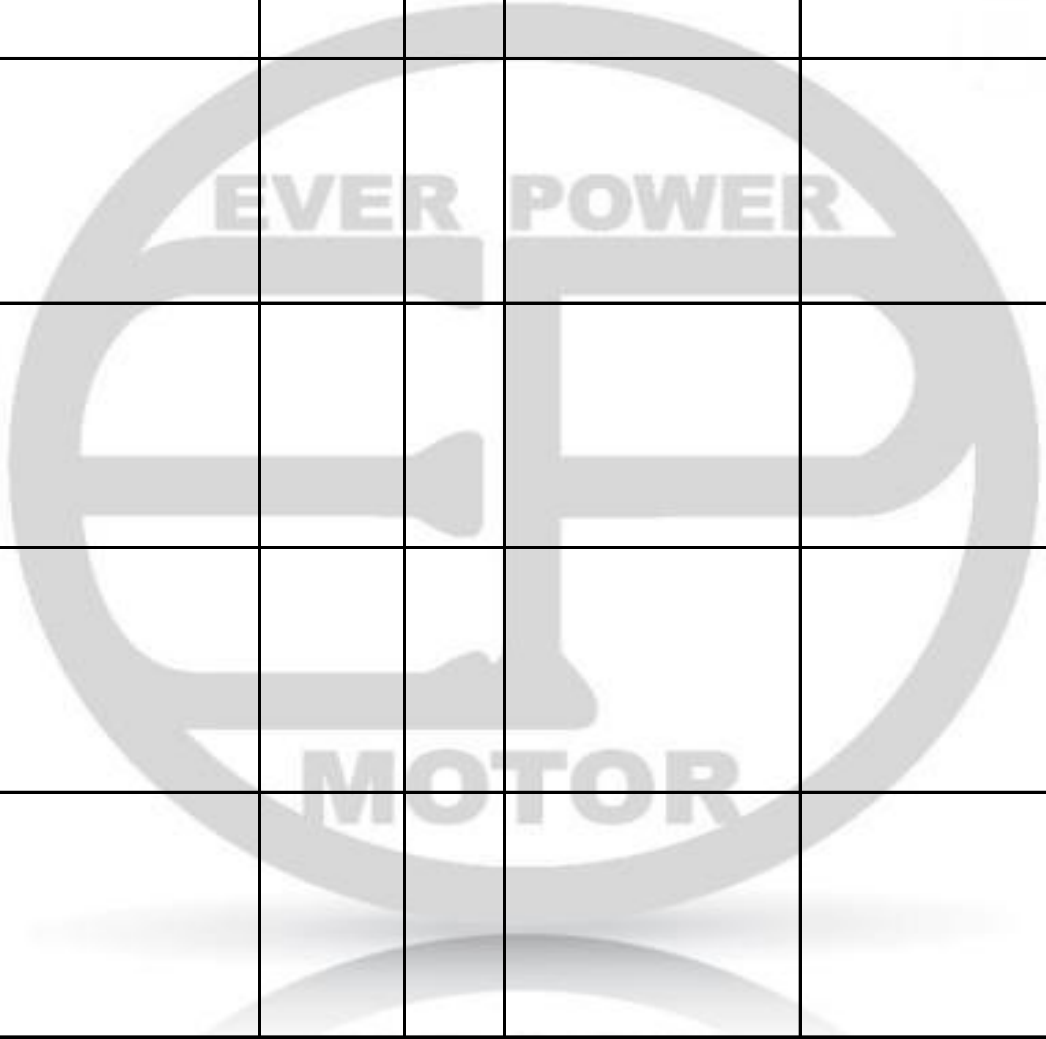
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SVHIA	D4BX New-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BH-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR091104SVHIA	D4BH TCi-S/F(O/G)	91.1	4	21131-42001		165	94.2		
CR093006SVHIA	6GCU-S/F(O/G)	93	6			195	97		
CR093006SVHIA	G6CV-S/F(O/G)	93	6			195	97		
CR097104FBHIA	J3 TCi-F/F(W/G)	97.1	4	2111-4X300 21134-4X000	phosphated	168.5	101.5	107.25	5.0+0.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097104FBHIA	J3 CRDi-F/F(W/G)	97.1	4	2111-4X300 21134-4X000	phosphated	168.5	101.5	107.25	5.0+0.7
CR097104SNHIA	J3 TCi-S/F(W/G)	97.1	4	2111-4X300 21134-4X000		168.5	101.5	107.25	5.0+0.7
CR097104SNHIA	J3 CRDi-S/F(W/G)	97.1	4	2111-4X300 21134-4X000		168.5	101.5	107.25	5.0+0.7
CR100004SNHIA	D4AE-S/F(W/G)	100	4	21311-41300		191	104	109	5
CR100004SNHIA	D4AL-S/F(W/G)	100	4	21311-41300		191	104	109	5
CR100004FVHIA	D4AE-F/F(O/G)	100	4	21311-41300		191	104		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004FVHIA	D4AL-F/F(O/G)	100	4	21311-41300		191	104		
CR100004SVHIA	D4AE-S/F(O/G)	100	4	21311-41300		191	104		
CR100004SVHIA	D4AL-S/F(O/G)	100	4	21311-41300		191	104		
CR104004SNHIA	D4AF NEW-S/F(W/G)	104	4	21131-41200		192	107	113	4
CR104004SNHIA	D4AF-S/F(W/G)	104	4	21131-41200		192	107	113	4
CR104004SNHIB	D4DA-S/F(W/G)	104	4	21100-45000		200	108	113	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004FVHIA	D4AF-F/F(O/G)	104	4	21131-41200		192	107		
CR104004FVHIB	D4DA-F/F(O/G)	104	4	21100-45000		200	108		
CR104004FVHIA	D4AF New-F/F(O/G)	104	4	21131-41200		192	107		
CR104004SVHIA	D4AF-S/F(O/G)	104	4	21131-41200		192	107		
CR104004SVHIB	D4DA-S/F(O/G)	104	4	21100-45000		200	108		
CR104004SVHIA	D4AF New-S/F(O/G)	104	4	21131-41200		192	107		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR118006FBHIA	D6BR-F/F(W/G)	118	6	21131-93000	phosphated	205	122	128	8



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNIUA	4EC1-S/F(W/G)	76	4			145	80	84	5
CR076004SNIUA	4EC1T-S/F(W/G)	76	4			145	80	84	5
CR076004FVIUA	4EC1-F/F(O/G)	76	4			140	80		
CR076004FVIUA	4EC1T-F/F(O/G)	76	4			140	80		
CR076004SVIUA	4EC1-S/F(O/G)	76	4			140	80		
CR076004SVIUA	4EC1T-S/F(O/G)	76	4			140	80		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SNIUA	4EE1T-S/F(W/G)	79	4			144	83	87	2
CR079004SNIUA	4EE1-S/F(W/G)	79	4			144	83	87	2
CR079004SNIUA	4EE1T New-S/F(W/G)	79	4			144	83	87	2
CR079004SNIUA	4EE1 New-S/F(W/G)	79	4			144	83	87	2
CR079004SNIUA	4EE2 CDTi-S/F(W/G)	79	4			144	83	87	2
CR079004SNIUA	4EE2-S/F(W/G)	79	4			144	83	87	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004FVIUA	4EE1T-F/F(O/G)	79	4			144	83		
CR079004FVIUA	4EE1-F/F(O/G)	79	4			144	83		
CR079004FVIUA	4EE1T New-F/F(O/G)	79	4			144	83		
CR079004FVIUA	4EE1 New-F/F(O/G)	79	4			144	83		
CR079004FVIUA	4EE2 CDTi-F/F(O/G)	79	4			144	83		
CR079004FVIUA	4EE2-F/F(O/G)	79	4			144	83		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SVIUA	4EE1T-S/F(O/G)	79	4			144	83		
CR079004SVIUA	4EE1-S/F(O/G)	79	4			144	83		
CR079004SVIUA	4EE1T New-S/F(O/G)	79	4			144	83		
CR079004SVIUA	4EE1 New-S/F(O/G)	79	4			144	83		
CR079004SVIUA	4EE2 CDTi-S/F(O/G)	79	4			144	83		
CR079004SVIUA	4EE2-S/F(O/G)	79	4			144	83		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SVIUA	G161Z-S/F(O/G)	82	4			165	86		
CR082004SVIUA	G161-S/F(O/G)	82	4			165	86		
CR082004SVIUA	G161 II-S/F(O/G)	82	4			165	86		
CR082004SVIUA	4ZA1-S/F(O/G)	82	4			165	86		
CR083004FCIUA	C221-F/F(W/G)	83	4	9-11261-253-0 9-11261-253-1	chromed-ID	174.5	86	92	1.4
CR084004SNIUA	4FB1-S/F(W/G)	84	4	5-11261-119-0		172	88	92	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SNIUA	4FC1-S/F(W/G)	84	4	5-11261-119-0		172	88	92	4
CR084004FVIUA	4FB1-F/F(O/G)	84	4	5-11261-119-0		150	88		
CR084004FVIUA	4FC1-F/F(O/G)	84	4	5-11261-119-0		150	88		
CR084004SVIUA	4FB1-S/F(O/G)	84	4	5-11261-119-0		150	88		
CR084004SVIUA	4FC1-S/F(O/G)	84	4	5-11261-119-0		150	88		
CR084004SVIUB	G180-S/F(O/G)	84	4			168	88		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SVIUB	G180Z-S/F(O/G)	84	4			168	88		
CR084004SVIUB	G180S-S/F(O/G)	84	4			168	88		
CR084004SVIUB	G180SR-S/F(O/G)	84	4			168	88		
CR084004SVIUB	4ZB1-S/F(O/G)	84	4			168	88		
CR086004FCIUB	C240 Early-F/F(W/G)	86	4	9-11261-230-0 9-11261-230-1	chromed-ID	178.5	88	94	0.9
CR086004FCIUB	C240-F/F(W/G)	86	4	9-11261-230-0 9-11261-230-1	chromed-ID	178.5	88	94	0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FCIUA	C190-F/F(W/G)	86	4	9-11261-224-0 9-11261-224-1	chromed-ID	163.3	88	94	0.9
CR086004FCIUB	C240 New-F/F(W/G)	86	4	9-11261-230-0 9-11261-230-1	chromed-ID	178.5	88	94	0.9
CR086004SNIUB	C240 Early-S/F(W/G)	86	4	9-11261-230-0 9-11261-230-1		178	90.1	94	4
CR086004SNIUB	C240-S/F(W/G)	86	4	9-11261-230-0 9-11261-230-1		178	90.1	94	4
CR086004SNIUA	C190-S/F(W/G)	86	4	9-11261-224-0 9-11261-224-1		163	90.1	94	4
CR086004SNIUB	C240 New-S/F(W/G)	86	4	9-11261-230-0 9-11261-230-1		178	90.1	94	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SUIUA	X 22 SE-S/F(O/G)	86	4			140	89		
CR086004SUIUA	Y 22 SE-S/F(O/G)	86	4			140	89		
CR086004SUIUA	LUV-S/F(O/G)	86	4			140	89		
CR086004SUIUA	C 22 NE-S/F(O/G)	86	4			140	89		
CR087004SUIUA	G200-S/F(O/G)	87	4			150	91		
CR087004SUIUA	G200Z-S/F(O/G)	87	4			150	91		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SVIUA	G200W-S/F(O/G)	87	4			150	91		
CR088004FCIUA	C223 Early-F/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1	chromed-ID	163	90	95	0.9
CR088004FCIUA	C223 New-F/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1	chromed-ID	163	90	95	0.9
CR088004FCIUA	C223T-F/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1	chromed-ID	163	90	95	0.9
CR088004FCIUA	C223T New-F/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1	chromed-ID	163	90	95	0.9
CR088004FCIUA	4JC1-F/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1	chromed-ID	163	90	95	0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004SNIUB	C223 New-S/F(W/G)	88	4	5-11261-015-0 5-11261-015-2 8-94169-883-1		164	92.2	96	5
CR088004SNIUA	4FD1-S/F(W/G)	88	4			169	92	96	4
CR088004SNIUC	C2.2-S/F(W/G)	88	4			152	91.55	92.5	4
CR088004FVIUA	4FD1-F/F(O/G)	88	4			165	92		
CR088004FVIUC	C2.2-F/F(O/G)	88	4			152	91.55		
CR088004SVIUA	4FD1-S/F(O/G)	88	4			165	92		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004SVIUC	C2.2-S/F(O/G)	88	4			152	91.55		
CR089304SNIUA	4FG1-S/F(W/G)	89.3	4			194.5	93.3	97.3	4
CR089304FVIUA	4FG1-F/F(O/G)	89.3	4			190.5	93.3		
CR089304SVIUA	4FG1-S/F(O/G)	89.3	4			190.5	93.3		
CR087004SVIUA	4ZD1-S/F(O/G)	89.3	4			150	91		
CR093004FCIUA	4JA1-F/F(W/G)	93	4	8-94110-144-0 8-94462-130-0	chromed-ID	156	95	101	0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004FCIUA	4JA1 New-F/F(W/G)	93	4	8-94110-144-0 8-94462-130-0	chromed-ID	156	95	101	0.9
CR093004FCIUB	4JB1-F/F(W/G)	93	4	8-94247-861-0 8-94247-861-2	chromed-ID	181	95	101	0.9
CR093004FCIUB	4JB1T-F/F(W/G)	93	4	8-94247-861-0 8-94247-861-2	chromed-ID	181	95	101	0.9
CR093004FCIUB	4JB1T New-F/F(W/G)	93	4	8-94247-861-0 8-94247-861-2	chromed-ID	181	95	101	0.9
CR093004FCIUB	4JB1 New-F/F(W/G)	93	4	8-94247-861-0 8-94247-861-2	chromed-ID	181	95	101	0.9
CR093004FCIUA	4JA1T New-F/F(W/G)	93	4	8-94110-144-0 8-94462-130-0	chromed-ID	156	95	101	0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNIUA	4JA1-S/F(W/G)	93	4	8-94110-144-0 8-94462-130-0		156.3	98	102	4
CR093004SNIUA	4JA1 New-S/F(W/G)	93	4	8-94110-144-0 8-94462-130-0		156.3	98	102	4
CR093004SNIUB	4JB1-S/F(W/G)	93	4	8-94247-861-0 8-94247-861-2		181	98	102	4
CR093004SNIUB	4JB1T-S/F(W/G)	93	4	8-94247-861-0 8-94247-861-2		181	98	102	4
CR093004SNIUB	4JB1T New-S/F(W/G)	93	4	8-94247-861-0 8-94247-861-2		181	98	102	4
CR093004SNIUB	4JB1 New-S/F(W/G)	93	4	8-94247-861-0 8-94247-861-2		181	98	102	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNIUA	4JA1T New-S/F(W/G)	93	4	8-94110-144-0 8-94462-130-0		156.3	98	102	4
CR093406SVIUA	6VD1-S/F(O/G)	93.4	6			177.8	97.4		
CR093406SVIUB	6VE1-S/F(O/G)	93.4	6			215	97.4		
CR093406SVIUB	6VD1-S/F(O/G)	93.4	6			215	97.4		
CR095404FCIUA	4JG2-F/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0	chromed-ID	178.6	97	102.3	1.1
CR095404FCIUA	4JG2T-F/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0	chromed-ID	178.6	97	102.3	1.1

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095404FCIUA	4JH1-TC-F/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0	chromed-ID	178.6	97	102.3	1.1
CR095404FCIUA	4JG2T New-F/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0	chromed-ID	178.6	97	102.3	1.1
CR095404FCIUA	4JH1-TC New-F/F(W/G)	95.4	4	8-97176-702-0	chromed-ID	178.6	97	102.3	1.1
CR095404FCIUA	4JG1-F/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0	chromed-ID	178.6	97	102.3	1.1
CR095404SNIUA	4JG2-S/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0		181.5	100	103.3	4
CR095404SNIUA	4JG2T-S/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0		181.5	100	103.3	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095404SNIUB	4JX1-S/F(W/G)	95.4	4			180	99.4	103.4	4
CR095404SNIUA	4JH1-TC-S/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0		181.5	100	103.3	4
CR095404SNIUA	4JG2T New-S/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0		181.5	100	103.3	4
CR095404SNIUA	4JH1-TC New-S/F(W/G)	95.4	4	8-97176-702-0		181.5	100	103.3	4
CR095404SNIUB	4JJ1-TC CRDi-S/F(W/G)	95.4	4			180	99.4	103.4	4
CR095404SNIUB	4JK1-TC-S/F(W/G)	95.4	4			180	99.4	103.4	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095404SNIUA	4JG1-S/F(W/G)	95.4	4	8-97176-702-0 8-94456-791-0		181.5	100	103.3	4
CR095404FVIUB	4JX1-F/F(O/G)	95.4	4			177	99.4		
CR095404FVIUB	4JJ1-TC CRDi-F/F(O/G)	95.4	4			177	99.4		
CR095404FVIUB	4JK1-TC-F/F(O/G)	95.4	4			177	99.4		
CR095404SVIUB	4JX1-S/F(O/G)	95.4	4			177	99.4		
CR095404SVIUB	4JJ1-TC CRDi-S/F(O/G)	95.4	4			177	99.4		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095404SUIUB	4JK1-TC-S/F(O/G)	95.4	4			177	99.4		
CR098004FCIUA	4BA1-F/F(W/G)	98	4	5-11261-802-0 9-11261-802-2	chromed-ID	180.5	101	108	1.4
CR098004SNIUA	4BA1-S/F(W/G)	98	4	5-11261-802-0 9-11261-802-2		180	102.2	108	4
CR100004FNIUA	DA220-F/F(W/G)	100	4	9-11261-276-0 9-11261-287-0 9-11261-287-1		220	113	119	8
CR100006FNIUA	DA120-F/F(W/G)	100	6	9-11261-276-0 9-11261-287-0 9-11261-287-1		220	113	119	8
CR102004FCIUA	4BB1-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102004FCIUB	4BC1-F/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	chromed-ID	187	105	112	1.4
CR102004FCIUB	4BC2-F/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	chromed-ID	187	105	112	1.4
CR102004FNIUB	4BC2-F/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	MATERIAL-cast iron	187	106	112	4
CR102004FCIUA	4BD1-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102004FNIUA	4BD1-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	106	112	4
CR102004FCIUA	4BD1 New-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102004FNIUA	4BD1 New-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	106	112	4
CR102004FCIUA	4BD1T-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102004FNIUA	4BD1T-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	106	112	4
CR102004FCIUA	4BD2T-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102004FNIUA	4BD2T-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	106	112	4
CR102004FCIUA	4BD2T New-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102004FNIUA	4BD2T New-F/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	106	112	4
CR102004SNIUB	4BC2-S/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	MATERIAL-cast iron	187	106	112	4
CR102004SNIUA	4BD1-S/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	106	112	4
CR102004SNIUA	4BD1 New-S/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	106	112	4
CR102004SNIUA	4BD1T-S/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	106	112	4
CR102004SNIUA	4BD2T-S/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	106	112	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102004SNIUA	4BD2T New-S/F(W/G)	102	4	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	106	112	4
CR102004FNIUC	4BC2-F/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	MATERIAL-cast iron	185.5	106		
CR102004SNIUC	4BC2-S/F(W/G)	102	4	5-11261-014-0 5-11261-014-2	MATERIAL-cast iron	185.5	106		
CR102006FNIUB	DA640-F/F(W/G)	102	6	9-11261-277-0 9-11261-288-0		228	113	119	8
CR102006FCIUA	6BB1-F/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102006FNIUA	6BB1-F/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	107.1	112	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102006FCIUA	6BD1-F/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102006FNIUA	6BD1-F/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0	MATERIAL-cast iron	204	107.1	112	4
CR102006FCIUA	6BD1T-F/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0	chromed-ID	204	105	112	1.4
CR102006SNIUA	6BB1-S/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	107.1	112	4
CR102006SNIUA	6BD1-S/F(W/G)	102	6	1-11261-118-0 5-11261-004-0 5-11261-118-0		204	107.1	112	4
CR105004FCIUA	4BE1-F/F(W/G)	105	4	5-11261-016-2	chromed-ID	187	107	113	1.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR105006FCIUA	6BG1-F/F(W/G)	105	6	1-11261-119-0	chromed-ID	203	107	113	1.4
CR105006FCIUA	6BG1T-F/F(W/G)	105	6	1-11261-119-0	chromed-ID	203	107	113	1.4
CR105006FCIUA	6BF1-F/F(W/G)	105	6	1-11261-119-0	chromed-ID	203	107	113	1.4
CR105006SNIUA	6BG1-S/F(W/G)	105	6	1-11261-119-0		203	107	113	1.4
CR105006SNIUA	6BG1T-S/F(W/G)	105	6	1-11261-119-0		203	107	113	1.4
CR110004FBIUA	4HE1-TC-F/F(W/G)	110	4	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0	phosphated	210	115	121.7	5.7+0.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110004FBIUA	4HE1T-F/F(W/G)	110	4	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0	phosphated	210	115	121.7	5.7+0.4
CR110004FBIUB	4HE1-TC-F/F(W/G)	110	4	8-94391-600-0 8-94391-601-0	phosphated	210	113	119.7	5.7+0.4
CR110004SNIUA	4HE1-TC-S/F(W/G)	110	4	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0		210	115	121.7	5.7+0.4
CR110004SNIUA	4HE1T-S/F(W/G)	110	4	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0		210	115	121.7	5.7+0.4
CR110004SNIUB	4HE1-TC-S/F(W/G)	110	4	8-94391-600-0 8-94391-601-0		210	113	119.7	5.7+0.4
CR110006FBIUA	6HE1-F/F(W/G)	110	6	8-94396-332-0	phosphated	210	113	119.7	5.7+0.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FBIUB	6HE1-TC-F/F(W/G)	110	6	8-94391-600-0 8-94391-601-0	phosphated	210	113	119.7	5.7+0.4
CR110006FBIUB	6HE1T New-F/F(W/G)	110	6	8-94391-600-0 8-94391-601-0	phosphated	210	113	119.7	5.7+0.4
CR110006FBIUB	6HE1T-F/F(W/G)	110	6	8-94391-600-0 8-94391-601-0	phosphated	210	113	119.7	5.7+0.4
CR110006SNIUA	6HE1-S/F(W/G)	110	6	8-94396-332-0		210	113	119.7	5.7+0.4
CR110006SNIUB	6HE1-TC-S/F(W/G)	110	6	8-94391-600-0 8-94391-601-0		210	113	119.7	5.7+0.4
CR110006SNIUB	6HE1T New-S/F(W/G)	110	6	8-94391-600-0 8-94391-601-0		210	113	119.7	5.7+0.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006SNIUB	6HE1T-S/F(W/G)	110	6	8-94391-600-0 8-94391-601-0		210	113	119.7	5.7+0.4
CR112004FBIUA	4HF1-F/F(W/G)	112	4	8-97144-174-0 8-97176-727-0 8-97176-728-0	phosphated	180	115	121.7	6.1
CR112004FBIUA	4HF1 New-F/F(W/G)	112	4	8-97144-174-0 8-97176-727-0 8-97176-728-0	phosphated	180	115	121.7	6.1
CR112004SNIUA	4HF1-S/F(W/G)	112	4	8-97144-174-0 8-97176-727-0 8-97176-728-0		180	115	121.7	6.1
CR112004SNIUA	4HF1 New-S/F(W/G)	112	4	8-97144-174-0 8-97176-727-0 8-97176-728-0		180	115	121.7	6.1
CR115004FBIUA	4HG1-F/F(W/G)	115	4	8-97176-729-0 8-97176-730-0 8-97351-558-0 8-97351-558-1 8-97351-559-0	phosphated	180	118	123.6	6.1

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115004FBIUA	4HG1T-F/F(W/G)	115	4	8-97176-729-0 8-97176-730-0 8-97351-558-0 8-97351-558-1 8-97351-559-0	phosphated	180	118	123.6	6.1
CR115004FBIUB	4HK1-TC-F/F(W/G)	115	4	8-98014-046-0 8-98014-046-1 8-98014-047-0 8-98014-047-1 8-94391-602-1	phosphated	210	118	123.7	6
CR115004FBIUC	4HJ1-F/F(W/G)	115	4		phosphated	200	118	123.7	6
CR115004FBIUD	4HL1-F/F(W/G)	115	4		phosphated	190	118	123.7	6
CR115004FBIUB	4HK1-F/F(W/G)	115	4	8-98014-046-0 8-98014-046-1 8-98014-047-0 8-98014-047-1 8-94391-602-1	phosphated	210	118	123.7	6
CR115004SNIUA	4HG1-S/F(W/G)	115	4	8-97176-729-0 8-97176-730-0 8-97351-558-0 8-97351-558-1 8-97351-559-0		180	118	123.6	6.1

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115004SNIUA	4HG1T-S/F(W/G)	115	4	8-97176-729-0 8-97176-730-0 8-97351-558-0 8-97351-558-1 8-97351-559-0		180	118	123.6	6.1
CR115004SNIUB	4HK1-TC-S/F(W/G)	115	4	8-98014-046-0 8-98014-046-1 8-98014-047-0 8-98014-047-1 8-94391-602-1		210	118	123.7	6
CR115004SNIUC	4HJ1-S/F(W/G)	115	4			200	118	123.7	6
CR115004SNIUD	4HL1-S/F(W/G)	115	4			190	118	123.7	6
CR115004SNIUB	4HK1-S/F(W/G)	115	4	8-98014-046-0 8-98014-046-1 8-98014-047-0 8-98014-047-1 8-94391-602-1		210	118	123.7	6
CR115006FBIUA	6HH1-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115006FBIUC	6SA1-F/F(W/G)	115	6	1-11261-065-3 1-11261-094-1	phosphated	216	119	126	6
CR115006FBIUC	6SA1T-F/F(W/G)	115	6	1-11261-065-3 1-11261-094-1	phosphated	216	119	126	6
CR115006FBIUA	6HH1T-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006FBIUA	6HK1-TCC-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006FBIUA	6HK1-TCN-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006FBIUA	6HK1-TCS-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115006FBIUA	6HK1-TC-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006FBIUA	6HL1-TC-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006FBIUA	6HK1-F/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1	phosphated	210	118	123.7	6
CR115006SNIUA	6HH1-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HH1T-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HK1-TCC-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115006SNIUA	6HK1-TCN-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HK1-TCS-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HK1-TC-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HL1-TC-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115006SNIUA	6HK1-S/F(W/G)	115	6	8-94391-602-0 8-94391-602-1 8-94391-603-0 8-94391-603-1 8-94393-273-1		210	118	123.7	6
CR115008FNIUA	8PA1-F/F(W/G)	115	8	1-11261-063-0		219.5	130	141.7	10.0+1.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115008FNIUA	8PB1-F/F(W/G)	115	8	1-11261-063-0		219.5	130	141.7	10.0+1.2
CR11500AFNIUA	10PA1-F/F(W/G)	115	10	1-11261-063-0		219.5	130	141.7	10.0+1.2
CR11500AFNIUA	10PB1-F/F(W/G)	115	10	1-11261-063-0		219.5	130	141.7	10.0+1.2
CR11500CFNIUA	12PA1-F/F(W/G)	115	12	1-11261-063-0		219.5	130	141.7	10.0+1.2
CR11500CFNIUA	12PB1-F/F(W/G)	115	12	1-11261-063-0		219.5	130	141.7	10.0+1.2
CR119008FNIUA	8PC1-F/F(W/G)	119	8	1-11261-143-1		219.5	133	143.7	10.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR119008FNIUB	8PC1T TURBO-F/F(W/G)	119	8			219.5	133	143.7	10.0+1.0
CR119008FDIUC	8PD1-F/F(W/G)	119	8	1-11261-161-2	water jacket chromed	234	132.95	143.6	10.1
CR11900AFNIUA	10PC1-F/F(W/G)	119	10	1-11261-143-1		219.5	133	143.7	10.0+1.0
CR11900AFNIUB	10PC1T TURBO-F/F(W/G)	119	10			219.5	133	143.7	10.0+1.0
CR11900AFDIUC	10PD1-F/F(W/G)	119	10	1-11261-161-2	water jacket chromed	234	132.95	143.6	10.1
CR11900CFNIUA	12PC1-F/F(W/G)	119	12	1-11261-143-1		219.5	133	143.7	10.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR11900CFNIUB	12PC1T TURBO-F/F(W/G)	119	12			219.5	133	143.7	10.0+1.0
CR11900CFDIUC	12PD1-F/F(W/G)	119	12	1-11261-161-2	water jacket chromed	234	132.95	143.6	10.1
CR120006FNIUA	DH100-F/F(W/G)	120	6	9-11261-241-0 9-11261-270-0		280	135	140.6	11
CR120006FBIUA	6SD1-F/F(W/G)	120	6	1-11261-106-2 1-11261-298-0	phosphated	239	123	129.6	6.1+1.0
CR120006FBIUA	6SD1T-F/F(W/G)	120	6	1-11261-106-2 1-11261-298-0	phosphated	239	123	129.6	6.1+1.0
CR120006FBIUA	6SD1T New-F/F(W/G)	120	6	1-11261-106-2 1-11261-298-0	phosphated	239	123	129.6	6.1+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR120006FBIUA	6SD1TC-F/F(W/G)	120	6	1-11261-106-2 1-11261-298-0	phosphated	239	123	129.6	6.1+1.0
CR125006FDIUA	6QA1-F/F(W/G)	125	6	1-11261-074-0 1-11261-061-1	water jacket chromed	282	140	146.7	11.0+2.0
CR125006FKIUB	6QA1-F/F(W/G)	125	6	1-11261-160-0	phosphated and water jacket chromed	257	140	146.7	11.0+2.0
CR127008FNIUA	8PE1-F/F(W/G)	127	8	1-11261-175-0 1-11261-175-1 1-11261-286-0		233	130.5	136.5	6
CR12700AFNIUA	10PE1-F/F(W/G)	127	10	1-11261-175-0 1-11261-175-1 1-11261-286-0		233	130.5	136.5	6
CR12700CFNIUA	12PE1-F/F(W/G)	127	12	1-11261-175-0 1-11261-175-1 1-11261-286-0		233	130.5	136.5	6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR132906FNIUA	6WA1-TC-F/F(W/G)	132.9	6	1-11261-296-0 1-11261-362-0		266	137	143.7	6
CR135006FBIUA	E120-F/F(W/G)	135	6	9-12261-290-0	phosphated	264	141	146.7	6
CR135006FBIUA	E120T-F/F(W/G)	135	6	9-12261-290-0	phosphated	264	141	146.7	6
CR135006FBIUB	6RA1-F/F(W/G)	135	6	1-11261-082-0 1-11261-098-0 1-11261-133-0 1-11261-105-1	phosphated	264	141	146.7	6
CR135006FBIUB	6RB1-F/F(W/G)	135	6	1-11261-082-0 1-11261-098-0 1-11261-133-0 1-11261-105-1	phosphated	264	141	146.7	6
CR135006FBIUB	6RB1T-F/F(W/G)	135	6	1-11261-082-0 1-11261-098-0 1-11261-133-0 1-11261-105-1	phosphated	264	141	146.7	6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR135006FBIUB	6RA1T-F/F(W/G)	135	6	1-11261-082-0 1-11261-098-0 1-11261-133-0 1-11261-105-1	phosphated	264	141	146.7	6
CR147006FBIUA	6WG1-F/F(W/G)	147	6	1-11261-333-2 1-11261-334-2 1-11261-379-2 1-11261-380-2	phosphated	267	151.5	158.3	6.0+1.0
CR147006FBIUA	6WG1-TC-F/F(W/G)	147	6	1-11261-333-2 1-11261-334-2 1-11261-379-2 1-11261-380-2	phosphated	267	151.5	158.3	6.0+1.0
CR147006FBIUA	6WG1T-F/F(W/G)	147	6	1-11261-333-2 1-11261-334-2 1-11261-379-2 1-11261-380-2	phosphated	267	151.5	158.3	6.0+1.0
CR147006FBIUA	6WF1-TCC-F/F(W/G)	147	6	1-11261-333-2 1-11261-334-2 1-11261-379-2 1-11261-380-2	phosphated	267	151.5	158.3	6.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075003SNKAA	PICANTO 1.1 TDi-S/F(W/G)	75	3			142	78	80	4
CR075003FVKAA	PICANTO 1.1 TDi-F/F(O/G)	75	3			142	78		
CR075003SVKAA	PICANTO 1.1 TDi-S/F(O/G)	75	3			142	78		
CR075004SNKAA	CERATO 1.5 TDi-S/F(W/G)	75	4			142	78	80	4
CR075004SNKAA	RIO 1.5 CRDi-S/F(W/G)	75	4			142	78	80	4
CR075004SNKAA	VENGA CRDi-S/F(W/G)	75	4			142	78	80	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FVKAA	CERATO 1.5 TDi-F/F(O/G)	75	4			142	78		
CR075004FVKAA	RIO 1.5 CRDi-F/F(O/G)	75	4			142	78		
CR075004FVKAA	VENGA CRDi-F/F(O/G)	75	4			142	78		
CR075004SVKAA	CERATO 1.5 TDi-S/F(O/G)	75	4			142	78		
CR075004SVKAA	RIO 1.5 CRDi-S/F(O/G)	75	4			142	78		
CR075004SVKAA	VENGA CRDi-S/F(O/G)	75	4			142	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR077204FVKAA	CEE'D 1.6 TCi-F/F(O/G)	77.2	4			140	81.2		
CR077204FVKAA	CERATO 1.6 TDi-F/F(O/G)	77.2	4			140	81.2		
CR077204SVKAA	CEE'D 1.6 TCi-S/F(O/G)	77.2	4			140	81.2		
CR077204SVKAA	CERATO 1.6 TDi-S/F(O/G)	77.2	4			140	81.2		
CR080006FNKAA	KRV6-F/F(W/G)	80	6	OK9BV-10-311A 21134-3Y210C 21134-3Y210D 21134-3Y210E 21134-3Y220C		127	84	87.45	50
CR083004SNKAA	CARENS CRDi-S/F(W/G)	83	4			153.5	86	89	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNKAA	NEW SPORTAGE TCi-S/F(W/G)	83	4			153.5	86	89	4.8
CR083004FVKAA	CARENS CRDi-F/F(O/G)	83	4			153.5	86		
CR083004FVKAA	NEW SPORTAGE TCi-F/F(O/G)	83	4			153.5	86		
CR083004SVKAA	CARENS CRDi-S/F(O/G)	83	4			153.5	86		
CR083004SVKAA	NEW SPORTAGE TCi-S/F(O/G)	83	4			153.5	86		
CR084004FVKAA	SORENTO-F/F(O/G)	84	4			150	88		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004FVKAA	SPORTAGE-F/F(O/G)	84	4			150	88		
CR084004FVKAA	SL 10 TCi-F/F(O/G)	84	4			150	88		
CR084004FVKAA	SPORTAGE TCi-F/F(O/G)	84	4			150	88		
CR084004SVKAA	SORENTO-S/F(O/G)	84	4			150	88		
CR084004SVKAA	SPORTAGE-S/F(O/G)	84	4			150	88		
CR084004SVKAA	SL 10 TCi-S/F(O/G)	84	4			150	88		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SVKAA	SPORTAGE TCi-S/F(O/G)	84	4			150	88		
CR085404SNKAA	CARNIVAL 2.2 CRDi-S/F(W/G)	85.4	4			180	89.4	92.35	3
CR085404SNKAA	SORENTO 2.2 CRDi-S/F(W/G)	85.4	4			180	89.4	92.35	3
CR085404FVKAA	CARNIVAL 2.2 CRDi-F/F(O/G)	85.4	4			180	89.4		
CR085404FVKAA	SORENTO 2.2 CRDi-F/F(O/G)	85.4	4			180	89.4		
CR085404SVKAA	CARNIVAL 2.2 CRDi-S/F(O/G)	85.4	4			180	89.4		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085404SVKAA	SORENTO 2.2 CRDi-S/F(O/G)	85.4	4			180	89.4		
CR086004FNKAA	NB-1 B2200-F/F(W/G)	86	4			163	89	94	2.8
CR086004FNKAA	HW-F/F(W/G)	86	4			163	89	94	2.8
CR086004FNKAA	NB-7-F/F(W/G)	86	4			163	89	94	2.8
CR086004FNKAA	RF-TCi-F/F(W/G)	86	4			163	89	94	2.8
CR086004SNKAA	NB-1 B2200-S/F(W/G)	86	4			163	89	94	2.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SNKAA	HW-S/F(W/G)	86	4			163	89	94	2.8
CR086004SNKAA	NB-7-S/F(W/G)	86	4			163	89	94	2.8
CR086004SNKAA	RF-TCi-S/F(W/G)	86	4			163	89	94	2.8
CR091004SNKAA	SORENTO 2.5 TCi-S/F(W/G)	91	4			170.5	94.15	98.15	2
CR091004SNKAA	SORENTO 2.5 TCi(VGT)-S/F(W/G)	91	4			170.5	94.15	98.15	2
CR091004SNKAA	BONGO III 2.5 TCi-S/F(W/G)	91	4			170.5	94.15	98.15	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091004FVKAA	SORENTO 2.5 TCi-F/F(O/G)	91	4			170.5	94.15		
CR091004FVKAA	SORENTO 2.5 TCi(VGT)-F/F(O/G)	91	4			170.5	94.15		
CR091004FVKAA	BONGO III 2.5 TCi-F/F(O/G)	91	4			170.5	94.15		
CR091004SVKAA	SORENTO 2.5 TCi-S/F(O/G)	91	4			170.5	94.15		
CR091004SVKAA	SORENTO 2.5 TCi(VGT)-S/F(O/G)	91	4			170.5	94.15		
CR091004SVKAA	BONGO III 2.5 TCi-S/F(O/G)	91	4			170.5	94.15		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SNKAA	K2500-S/F(W/G)	91.1	4			165	94.2	98.1	2
CR091104SNKAA	K2500 TCi-S/F(W/G)	91.1	4			165	94.2	98.1	2
CR091104FVKAA	K2500-F/F(O/G)	91.1	4			165	94.2		
CR091104FVKAA	K2500 TCi-F/F(O/G)	91.1	4			165	94.2		
CR091104SVKAA	K2500-S/F(O/G)	91.1	4			165	94.2		
CR091104SVKAA	K2500 TCi-S/F(O/G)	91.1	4			165	94.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004FNKAA	SF K2400-F/F(W/G)	92	4	1456-10-311 1456-10-311B K456-10-311 K756-10-311 OK756-10-311		165	96.9	100.9	3.8+0.8
CR092004SNKAA	SF K2400-S/F(W/G)	92	4	1456-10-311 1456-10-311B K456-10-311 K756-10-311 OK756-10-311		165	96.9	100.9	3.8+0.8
CR093004FBKAA	RFA-F/F(W/G)	93	4	OVN01-10-311 VN01-10-311	phosphated	167.5	96.8	102.45	2.5+0.5
CR093004FBKAA	VN-F/F(W/G)	93	4	OVN01-10-311 VN01-10-311	phosphated	167.5	96.8	102.45	2.5+0.5
CR093004SNKAA	RFA-S/F(W/G)	93	4	OVN01-10-311 VN01-10-311		167.5	96.8	102.45	2.5+0.5
CR093004SNKAA	VN-S/F(W/G)	93	4	OVN01-10-311 VN01-10-311		167.5	96.8	102.45	2.5+0.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094504FBKAA	J2-F/F(W/G)	94.5	4	K65A-10-311 OK65A-10-311 OK65B-10-311	phosphated	166	97.47	104.2	3.85+0.5
CR094504FBKAA	JS K2700-F/F(W/G)	94.5	4	K65A-10-311 OK65A-10-311 OK65B-10-311	phosphated	166	97.47	104.2	3.85+0.5
CR094504SNKAA	J2-S/F(W/G)	94.5	4	K65A-10-311 OK65A-10-311 OK65B-10-311		166	97.47	104.2	3.85+0.5
CR094504SNKAA	JS K2700-S/F(W/G)	94.5	4	K65A-10-311 OK65A-10-311 OK65B-10-311		166	97.47	104.2	3.85+0.5
CR097104FNKAA	J3 TCI-F/F(W/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.5	106	2.5+0.7
CR097104FNKAA	J3 CRDi-F/F(W/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.5	106	2.5+0.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097104SNKAA	J3 TCi-S/F(W/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.5	106	2.5+0.7
CR097104SNKAA	J3 CRDi-S/F(W/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.5	106	2.5+0.7
CR097104FVKAA	J3 TCi-F/F(O/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.2		
CR097104FVKAA	J3 CRDi-F/F(O/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.2		
CR097104SVKAA	J3 TCi-S/F(O/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.2		
CR097104SVKAA	J3 CRDi-S/F(O/G)	97.1	4	OK551-10-311 OK551-10-311A		168	101.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR098004FBKAA	JT-F/F(W/G)	98	4	K75A-10-311 OK75A-10-311 OK75A-10-311B OK75B-10-311	phosphated	165.5	101.5	106.8	2.5+0.5
CR098004SNKAA	JT-S/F(W/G)	98	4	K75A-10-311 OK75A-10-311 OK75A-10-311B OK75B-10-311		165.5	101.5	106.8	2.5+0.5
CR100004FNKAA	JD K3500-F/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8
CR100004FNKAA	SH K3600-F/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8
CR100004FNKAA	SH K3600 New-F/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8
CR100004SNKAA	JD K3500-S/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004SNKAA	SH K3600-S/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8
CR100004SNKAA	SH K3600 New-S/F(W/G)	100	4	OK410-10-311B SL01-23-051		193.5	103.5	108	2.5+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004FNKUA	4D94-F/F(W/G)	94	4	6142-22-2211 6144-21-2211		181	108	117	10.0+1.0
CR094004FNKUA	4D94E-F/F(W/G)	94	4	6142-22-2211 6144-21-2211		181	108	117	10.0+1.0
CR094004SNKUA	4D94-S/F(W/G)	94	4	6142-22-2211 6144-21-2211		181	108	117	10.0+1.0
CR094004SNKUA	4D94E-S/F(W/G)	94	4	6142-22-2211 6144-21-2211		181	108	117	10.0+1.0
CR095004FBKUA	4D95-F/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095004FBKUA	S4D95-F/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095004FBKUA	4D95S-F/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095004FBKUA	4D95L-F/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095004SNKUA	4D95-S/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR095004SNKUA	S4D95-S/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR095004SNKUA	4D95S-S/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR095004SNKUA	4D95L-S/F(W/G)	95	4	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095006FBKUA	6D95-F/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095006FBKUA	S6D95-F/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095006FBKUA	S6D95L-F/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095006FBKUA	6D95A-F/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121	phosphated	180	98	104	4
CR095006SNKUA	6D95-S/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR095006SNKUA	S6D95-S/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095006SNKUA	S6D95L-S/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR095006SNKUA	6D95A-S/F(W/G)	95	6	6207-21-2110 6207-21-2120 6207-21-2121		180	98	104	4
CR102004FVKUA	S4D102-F/F(O/G)	102	4	6736-29-2110		200	104.5		
CR102004SVKUA	S4D102-S/F(O/G)	102	4	6736-29-2110		200	104.5		
CR102006FVKUA	S6D102-F/F(O/G)	102	6	6736-29-2110		200	104.5		
CR102006SVKUA	S6D102-S/F(O/G)	102	6	6736-29-2110		200	104.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR105004FBKUA	4D105-F/F(W/G)	105	4	6136-21-2210 6137-21-2210 6137-22-2210	phosphated	223	118.7	127	10.0+1.0
CR105004FBKUB	4D105-3C-F/F(W/G)	105	4	6130-22-2310	phosphated	223	118	125.5	10.0+1.0
CR105004FBKUB	S4D105-F/F(W/G)	105	4	6130-22-2310	phosphated	223	118	125.5	10.0+1.0
CR105004FBKUB	4D105-F/F(W/G)	105	4	6130-22-2310	phosphated	223	118	125.5	10.0+1.0
CR105004SNKUA	4D105-S/F(W/G)	105	4	61.6-21-2210 6137-21-2210 6137-22-2210		223	118.7	127	10.0+1.0
CR105004SNKUB	4D105 3C-S/F(W/G)	105	4	6130-22-2310		223	118	125.5	10.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR105004SNKUB	S4D105-S/F(W/G)	105	4	6130-22-2310		223	118	125.5	10.0+1.0
CR105004SNKUB	4D105-S/F(W/G)	105	4	6130-22-2310		223	118	125.5	10.0+1.0
CR105006FBKUA	6D105-F/F(W/G)	105	6	6136-21-2210 6137-21-2210 6137-22-2210	phosphated	223	118.7	127	10.0+1.0
CR105006FBKUA	SA6D105-F/F(W/G)	105	6	6136-21-2210 6137-21-2210 6137-22-2210	phosphated	223	118.7	127	10.0+1.0
CR105006SNKUA	6D105-S/F(W/G)	105	6	61.6-21-2210 6137-21-2210 6137-22-2210		223	118.7	127	10.0+1.0
CR105006SNKUA	SA6D105-S/F(W/G)	105	6	61.6-21-2210 6137-21-2210 6137-22-2210		223	118.7	127	10.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108006FBKUA	SA6D108-F/F(W/G)	108	6	6222-21-2110 6222-23-2231	phosphated	219.5	111.5	120	5.0+1.0
CR108006FBKUA	S6D108-F/F(W/G)	108	6	6222-21-2110 6222-23-2231	phosphated	219.5	111.5	120	5.0+1.0
CR108006SNKUA	SA6D108-S/F(W/G)	108	6	6222-21-2110 6222-23-2231		219.5	111.5	120	5.0+1.0
CR108006SNKUA	S6D108-S/F(W/G)	108	6	6222-21-2110 6222-23-2231		219.5	111.5	120	5.0+1.0
CR110006FBKUA	S6D110-F/F(W/G)	110	6	6138-21-2210 6138-21-2220	phosphated	225	115	120	5.0+1.0
CR110006FBKUA	SA6D110-F/F(W/G)	110	6	6138-21-2210 6138-21-2220	phosphated	225	115	120	5.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FBKUA	6D110-F/F(W/G)	110	6	6138-21-2210 6138-21-2220	phosphated	225	115	120	5.0+1.0
CR120004FBKUA	4D120-F/F(W/G)	120	4	6110-21-2212	phosphated	293	140	150	13.0+1.0
CR125006FBKUA	6D125-F/F(W/G)	125	6	6150-21-2221 6151-22-2220	phosphated	256.5	141.4	153	10.0+2.0
CR125006FBKUA	S6D125-F/F(W/G)	125	6	6150-21-2221 6151-22-2220	phosphated	256.5	141.4	153	10.0+2.0
CR125006FBKUA	SA6D125-F/F(W/G)	125	6	6150-21-2221 6151-22-2220	phosphated	256.5	141.4	153	10.0+2.0
CR130004FBKUA	4D130-F/F(W/G)	130	4	6115-21-2211	phosphated	293	146	156	13.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR155006FBKUA	SA6D155-F/F(W/G)	155	6	6128-21-2222	phosphated	327	176	186	14.3+1.5
CR155006FBKUB	S6D155-F/F(W/G)	155	6	6128-21-2216	phosphated	327	176	186	14.0+2.0
CR170006FBKUA	SV6D170-F/F(W/G)	170	6	6162-23-2210 6162-25-2210	phosphated	342	190.3	206	14.0+2.0
CR170006FBKUA	S6D170-F/F(W/G)	170	6	6162-23-2210 6162-25-2210	phosphated	342	190.3	206	14.0+2.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SVLDA	VAZ 2101-S/F(O/G)	76	4	M-448WV01		145	80		
CR076004SVLDA	BA3 2101-S/F(O/G)	76	4	M-448WV01		145	80		
CR076004SVLDA	VAZ 2103.1-S/F(O/G)	76	4	M-448WV01		145	80		
CR076004SVLDA	BA3 2103-S/F(O/G)	76	4	M-448WV01		145	80		
CR076004SVLDA	VAZ 2103.2-S/F(O/G)	76	4	M-448WV01		145	80		
CR076004SVLDA	BA37 2107-S/F(O/G)	76	4	M-448WV01		145	80		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SVLDA	VAZ 21011-S/F(O/G)	79	4	M-448WV02		136	83		
CR079004SVLDA	VAZ 2106-S/F(O/G)	79	4	M-448WV02		136	83		
CR079004SVLDA	VAZ 2101-S/F(O/G)	79	4	M-448WV02		136	83		
CR083004SNLDA	XUD 9A-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SVLDA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR085004SNLDA	DW10 TD-S/F(W/G)	85	4			155	89.06	91	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069604SNLAA	188 A9-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNLAA	199 A2-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SVLAA	188 A9-S/F(O/G)	69.6	4			140	73.6		
CR069604SVLAA	199 A2-S/F(O/G)	69.6	4			140	73.6		
CR070004SVLAA	156 C.046-S/F(O/G)	70	4	A-SU4320		116	72.98		
CR070004SVLAA	176 B2-S/F(O/G)	70	4	A-SU4320		116	72.98		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNLAA	839 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	AR 32302-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	M 722 BT.19-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	AR 37101-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	839 A6-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	841 C-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNLAA	192 B1-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	192 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	937 A4-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	937 A5-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	841 G-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	841 M-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNLAA	841 N-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	M 729 AT.19-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNLAA	M 729 AT.24-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082005SNLAA	839 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	AR 32302-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	M 722 BT.19-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082005SNLAA	AR 37101-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	839 A6-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	841 C-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	192 B1-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	192 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	937 A4-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082005SNLAA	937 A5-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	841 G-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	841 M-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	841 N-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	M 729 AT.19-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5
CR082005SNLAA	M 729 AT.24-S/F(W/G)	82	5	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082604SNLAA	149 A1-S/F(W/G)	82.6	4	M-007WV66		154.2	86.1	89	4.6
CR082604SVLAA	149 A1-S/F(O/G)	82.6	4	G-1401473000 K-89386190 M-007WV44		154	86		
CR085004SNLAA	DW10 ATED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNLAA	DW10 TD-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNLAA	RHZ-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNLAB	DW10 BTED4-S/F(W/G)	85	4			165	89.06	91	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR128006FNMBA	D 2876-F/F(W/G)	128	6	G-1467005000 K-89595110 M-227WN65		268	144.5	153.8	8.07

LAND ROVER

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SVLRA	XUD 9-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVLRA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR084454SVLRA	20T2N TURBO-S/F(O/G)	84.45	4	K-89536190		158.5	88		
CR084454SVLRA	20T2R TURBO-S/F(O/G)	84.45	4	K-89536190		158.5	88		
CR084455SVLRA	5R-S/F(O/G)	84.45	5	K-89536190		158.5	88		
CR090474SVLRA	11L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		

LAND ROVER

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR090474SVLRA	12L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	14L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	21L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	TDi 200-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	14L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	16L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		

LAND ROVER

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR090474SVLRA	17L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	19L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	23L-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090474SVLRA	TDi 300-S/F(O/G)	90.475	4	ERC9188 A-SU494402 G-1401092000 K-88692190 M-201WV03		191.36	94.5		
CR090484SVLRA	2.3 Ltr.P-S/F(O/G)	90.48	4	K-88391190 M-201WV02		191.3	93.7		
CR090484SVLRA	2.3 D-S/F(O/G)	90.487	4	K-88391190 M-201WV02		191.3	93.7		

LAND ROVER

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094008SVLRA	46D-S/F(O/G)	94	8	A-SU4310 G-1401086000		136.75	97.77		

MASSEY-FERGUSON

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091483FNMNA	AD 3.152-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091483FNMNA	AD 4.203-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091483FNMNA	D 4.203-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNMNA	AD 3.152-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNMNA	AD 4.203-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNMNA	D 4.203-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76

MAZDA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR068004FNMAA	PB-F/F(W/G)	68	4	0249-10-311		125	77	88	8.5
CR070004FNMAA	TB-F/F(W/G)	70	4	0268-10-311 0271-23-206		132	77	88	8.5
CR073704SNMAA	Y4 CDi-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704FVMAA	Y4 CDi-F/F(O/G)	73.7	4			137	76.78		
CR073704SVMAA	Y4 CDi-S/F(O/G)	73.7	4			137	76.78		
CR075004SVMAB	Y6 CDi-S/F(O/G)	75	4			146	78		

MAZDA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FNMAA	UA-F/F(W/G)	75	4	0604-10-311		147.5	86.5	94	9
CR075004FNMAB	Y6 CDi-F/F(W/G)	75	4			146	78	79	4
CR075004SNMAB	Y6 CDi-S/F(W/G)	75	4			146	78	79	4
CR075004FVMAB	Y6 CDi-F/F(O/G)	75	4			146	78		
CR075004FNMAA	UA NEW-F/F(W/G)	75	4	0604-10-311		147.5	86.5	94	9
CR078004SNMAA	PN-S/F(W/G)	78	4	PN11-11-311		157	82	86	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078004FVMAA	PN-F/F(O/G)	78	4	PN11-11-311		155	82		
CR078004SVMAA	PN-S/F(O/G)	78	4	PN11-11-311		155	82		
CR078004SVMAC	VB-S/F(O/G)	78	4	305-23-208		146	82		
CR078004SVMAC	NA-S/F(O/G)	78	4	305-23-208		146	82		
CR078004SVMAC	NA NEW-S/F(O/G)	78	4	305-23-208		146	82		
CR078004SVMAB	B6 -S/F(O/G)	78	4			150	82		

MAZDA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078004SVMAC	NA-II-S/F(O/G)	78	4	305-23-208		146	82		
CR078004SVMAB	Z6-DE-S/F(O/G)	78	4			150	82		
CR078004SVMAB	ZM-ME-S/F(O/G)	78	4			150	82		
CR079004SNMAA	323 1.7 TD-S/F(W/G)	79	4			144	83	87	2
CR079004FVMAA	323 1.7 TD-F/F(O/G)	79	4			144	83		
CR079004SVMAA	323 1.7 TD-S/F(O/G)	79	4			144	83		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SVMAA	VC-S/F(O/G)	80	4	8173-23-206		177.8	84		
CR080004SVMAA	VC NEW-S/F(O/G)	80	4	8173-23-206		177.8	84		
CR080004SVMAA	MA NEW-S/F(O/G)	80	4	8173-23-206		177.8	84		
CR080004SVMAA	MA-II-S/F(O/G)	80	4	8173-23-206		177.8	84		
CR080004SVMAA	MA-S/F(O/G)	80	4	8173-23-206		177.8	84		
CR081004SVMAA	F6-S/F(O/G)	81	4			150	85		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004FNMAA	VA-F/F(W/G)	82	4	0552-10-311 0552-10-311A		168.5	90	98	9
CR082504FNMAA	RTE-F/F(W/G)	82.5	4			162.5	86.5	90.5	4
CR082504FNMAA	RTF-F/F(W/G)	82.5	4			162.5	86.5	90.5	4
CR082504SNMAA	RTE-S/F(W/G)	82.5	4			162.5	86.5	90.5	4
CR082504SNMAA	RTF-S/F(W/G)	82.5	4			162.5	86.5	90.5	4
CR082504FVMAA	RTE-F/F(O/G)	82.5	4			158.5	86.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082504FVMAA	RTF-F/F(O/G)	82.5	4			158.5	86.5		
CR082504SVMAA	RTE-S/F(O/G)	82.5	4			158.5	86.5		
CR082504SVMAA	RTF-S/F(O/G)	82.5	4			158.5	86.5		
CR086004FNMAA	R2-F/F(W/G)	86	4	R201-23-051 RF01-10-311		165	89	94	4
CR086004FNMAAB	R2-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FNMAA	RF-F/F(W/G)	86	4	R201-23-051 RF01-10-311		165	89	94	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FNMAB	RF New-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FNMAB	R2 New-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FNMAB	RF2-F/F(W/G)	86	4			155	90	93	4
CR086004FNMAB	RF7-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FNMAB	RF8-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FNMAB	R2 16V-F/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SNMAA	R2-S/F(W/G)	86	4	R201-23-051 RF01-10-311		165	89	94	4
CR086004SNMAB	R2-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004SNMAA	RF-S/F(W/G)	86	4	R201-23-051 RF01-10-311		165	89	94	4
CR086004SNMAB	RF New-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004SNMAB	R2 New-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004SNMAC	RF2-S/F(W/G)	86	4			155	90	93	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SNMAB	RF7-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004SNMAB	RF8-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004SNMAB	R2 16V-S/F(W/G)	86	4	R2B6-10-311 R2B6-10-313		163	89	94	2.8
CR086004FVMAA	R2-F/F(O/G)	86	4	R201-23-051 RF01-10-311		165	90		
CR086004FVMAB	R2-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004FVMAA	RF-F/F(O/G)	86	4	R201-23-051 RF01-10-311		165	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FVMAB	RF New-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004FVMAB	R2 New-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004FVMAC	RF2-F/F(O/G)	86	4			155	90		
CR086004FVMAB	RF7-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004FVMAB	RF8-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004FVMAB	R2 16V-F/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SVMAA	R2-S/F(O/G)	86	4	R201-23-051 RF01-10-311		165	90		
CR086004SVMAB	R2-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAA	RF-S/F(O/G)	86	4	R201-23-051 RF01-10-311		165	90		
CR086004SVMAB	RF New-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAB	R2 New-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAC	RF2-S/F(O/G)	86	4			155	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SVMAB	RF7-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAB	RF8-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAB	R2 16V-S/F(O/G)	86	4	R2B6-10-311 R2B6-10-313		163	90		
CR086004SVMAD	F8-S/F(O/G)	86	4	F801-10-311		158.8	90		
CR086004SVMAE	FE-S/F(O/G)	86	4			180	90		
CR086004SVMAD	F2-S/F(O/G)	86	4	F801-10-311		158.8	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SVMAE	FET-S/F(O/G)	86	4			180	90		
CR086004SVMAD	F2T-S/F(O/G)	86	4	F801-10-311		158.8	90		
CR086004SVMAD	FE-S/F(O/G)	86	4	F801-10-311		158.8	90		
CR088904FNMAA	XA E2500-F/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0
CR088904FNMAB	S2 E2200-F/F(W/G)	88.9	4	1456-23-051		167.5	96.9	101	3.8+1.0
CR088904FNMAA	XA T2500-F/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088904FNMAA	S5 E2500-F/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0
CR088904SNMAA	XA E2500-S/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0
CR088904SNMAB	S2 E2200-S/F(W/G)	88.9	4	1456-23-051		167.5	96.9	101	3.8+1.0
CR088904SNMAA	XA T2500-S/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0
CR088904SNMAA	S5 E2500-S/F(W/G)	88.9	4	0636-10-311 S501-23-051		191	96.9	101	3.8+1.0
CR092004FNMAA	XB E2700-F/F(W/G)	92	4	0528-10-311 0527-23-051 0552-10-311		191	96.9	101	3.8+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004SNMAA	XB E2700-S/F(W/G)	92	4	0528-10-311 0527-23-051 0552-10-311		191	96.9	101	3.8+0.8
CR092006FNMAA	ZB E4100-F/F(W/G)	92	6	0528-10-311 V101-23-051		191	96.9	101	3.8+0.8
CR092006SNMAA	ZB E4100-S/F(W/G)	92	6	0528-10-311 V101-23-051		191	96.9	101	3.8+0.8
CR092006FNMAA	ZB T4100-F/F(W/G)	92	6	0528-10-311 V101-23-051		191	96.9	101	3.8+0.8
CR092006SNMAA	ZB T4100-S/F(W/G)	92	6	0528-10-311 V101-23-051		191	96.9	101	3.8+0.8
CR093004FBMAA	WL-F/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051	phosphated	167.5	96.8	102.45	2.5+0.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004FBMAA	WLT-F/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051	phosphated	167.5	96.8	102.45	2.5+0.5
CR093004FBMAA	WL-CT-F/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051	phosphated	167.5	96.8	102.45	2.5+0.5
CR093004SNMAA	WL-S/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051		167.5	96.8	102.45	2.5+0.5
CR093004SNMAA	WLT-S/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051		167.5	96.8	102.45	2.5+0.5
CR093004SNMAA	WL-CT-S/F(W/G)	93	4	WL01-10-311 WL01-23-051 WLY3-23-051		167.5	96.8	102.45	2.5+0.5
CR094504FBMAA	JS K2700-F/F(W/G)	94.5	4		phosphated	166	97.47	104.2	3.8+0.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094504SNMAA	JS K2700-S/F(W/G)	94.5	4			166	97.47	104.2	3.8+0.5
CR095004FNMAA	HA E3000-F/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0
CR095004FNMAA	HA T3000-F/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0
CR095004FNMAA	W9-F/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0
CR095004SNMAA	HA E3000-S/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0
CR095004SNMAA	HA T3000-S/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095004SNMAA	W9-S/F(W/G)	95	4	1363-23-051 1363-23-051A SE01-23-051		190	98.5	103.4	3.8+1.0
CR096004FNMAA	WET-F/F(W/G)	96	4			170.5	99.5	105.5	3.8
CR096004SNMAA	WET-S/F(W/G)	96	4			170.5	99.5	105.5	3.8
CR098004FBMAA	VS-F/F(W/G)	98	4		phosphated	168	101.5	106.8	2.55+0.6
CR100004FBMAA	SL T3500-F/F(W/G)	100	4	SL01-23-311 SL01-23-312 SL07-23-051	phosphated	193.5	103.5	108	2.5+0.8
CR100004FBMAA	SLT T3500T-F/F(W/G)	100	4	SL01-23-311 SL01-23-312 SL07-23-051	phosphated	193.5	103.5	108	2.5+0.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004SNMAA	SL T3500-S/F(W/G)	100	4	SL01-23-311 SL01-23-312 SL07-23-051		193.5	103.5	108	2.5+0.8
CR100004SNMAA	SLT T3500T-S/F(W/G)	100	4	SL01-23-311 SL01-23-312 SL07-23-051		193.5	103.5	108	2.5+0.8
CR105504FBMAA	TF-F/F(W/G)	105.5	4	TFY0-10-311 TFY0-10-311A TFY0-10-311B TFY0-10-313	phosphated	200	109	114.5	6.0+1.0
CR105504SNMAA	TF-S/F(W/G)	105.5	4	TFY0-10-311 TFY0-10-311A TFY0-10-311B TFY0-10-313		200	109	114.5	6.0+1.0
CR109004FBMAA	TM -F/F(W/G)	109	4	TMY0-10-311 TMY0-10-313	phosphated	202.5	112.5	118	6.0+1.0
CR109004SNMAA	TM -S/F(W/G)	109	4	TMY0-10-311 TMY0-10-313		202.5	112.5	118	6.0+1.0

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082906SNMZA	M103-S/F(W/G)	82.9	6	K-89507190		132.3	85.9	88.7	4.7
CR085304SNMZA	M111-S/F(W/G)	85.3	4	K-89510190		129	88.3	91.3	4.7
CR086008FNMZA	OM 628-F/F(W/G)	86	8	628 011 01 10 M-011WN20		151	92	96	58.02
CR086008FNMZA	OM 628 New-F/F(W/G)	86	8	628 011 01 10 M-011WN20		151	92	96	58.02
CR087004SNMZA	OM 601-S/F(W/G)	87	4	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087004SNMZA	OM 602-S/F(W/G)	87	4	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SNMZA	OM 603-S/F(W/G)	87	4	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087004SNMZB	OM 601-S/F(W/G)	87	4	M-001WV13		148.6	90.3	92.6	4.7
CR087004SNMZB	OM 602-S/F(W/G)	87	4	M-001WV13		148.6	90.3	92.6	4.7
CR087004SNMZB	OM 603-S/F(W/G)	87	4	M-001WV13		148.6	90.3	92.6	4.7
CR087004SNMZA	OM 604-S/F(W/G)	87	4	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087004SNMZB	OM 604-S/F(W/G)	87	4	M-001WV13		148.6	90.3	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087005SNMZA	OM 601-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZA	OM 602-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZA	OM 603-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZB	OM 601-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087005SNMZB	OM 602-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087005SNMZB	OM 603-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087005SNMZA	OM 602 TURBO-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZA	OM 603 TURBO-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZB	OM 602 TURBO-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087005SNMZB	OM 603 TURBO-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087005SNMZA	OM 605-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZB	OM 605-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087005SNMZA	OM 605 TURBO-S/F(W/G)	87	5	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNMZB	OM 605 TURBO-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNMZA	OM 601-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZA	OM 602-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZA	OM 603-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZB	OM 601-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087006SNMZB	OM 602-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNMZB	OM 603-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNMZA	OM 602 TURBO-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZA	OM 603 TURBO-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZB	OM 602 TURBO-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNMZB	OM 603 TURBO-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087006SNMZA	OM 606-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZB	OM 606-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNMZA	OM 606 TURBO-S/F(W/G)	87	6	601 011 00 10 G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNMZB	OM 606 TURBO-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR088004SNMZA	OM 611-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 612-S/F(W/G)	88	4			149.5	91	92.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004SNMZA	OM 613-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 611 New-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 612 New-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 613 New-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 646-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 647-S/F(W/G)	88	4			149.5	91	92.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004SNMZA	OM 648-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088004SNMZA	OM 611-S/F(W/G)	88	4			149.5	91	92.5	4.7
CR088005SNMZA	OM 611-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 612-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 613-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 611 New-S/F(W/G)	88	5			149.5	91	92.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088005SNMZA	OM 612 New-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 613 New-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 646-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 647-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088005SNMZA	OM 648-S/F(W/G)	88	5			149.5	91	92.5	4.7
CR088006SNMZA	OM 611-S/F(W/G)	88	6			149.5	91	92.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088006SNMZA	OM 612-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 613-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 611 New-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 612 New-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 613 New-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 646-S/F(W/G)	88	6			149.5	91	92.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088006SNMZA	OM 647-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088006SNMZA	OM 648-S/F(W/G)	88	6			149.5	91	92.5	4.7
CR088506SNMZA	M103-S/F(W/G)	88.5	6	K-89506190		133	91.5	93.6	4.7
CR089004SNMZA	OM 601-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNMZA	OM 661-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNMZA	OM 602-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNMZA	OM 662-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNMZB	OM 601-S/F(W/G)	89	4	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089004SNMZB	OM 661-S/F(W/G)	89	4	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089004SNMZB	OM 602-S/F(W/G)	89	4	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089004SNMZB	OM 662-S/F(W/G)	89	4	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089004SNMZA	OM 601 TURBO-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNMZA	OM 603 TURBO-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNMZA	OM 604-S/F(W/G)	89	4	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNMZC	M102-S/F(W/G)	89	4	K-89342190 M-002WV06		146.1	92	94.5	4.6
CR089005SNMZA	OM 602 TURBO-S/F(W/G)	89	5	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNMZA	OM 601-S/F(W/G)	89	5	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNMZA	OM 661-S/F(W/G)	89	5	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089005SNMZA	OM 602-S/F(W/G)	89	5	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNMZA	OM 662-S/F(W/G)	89	5	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNMZB	OM 601-S/F(W/G)	89	5	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089005SNMZB	OM 661-S/F(W/G)	89	5	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089005SNMZB	OM 602-S/F(W/G)	89	5	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089005SNMZB	OM 662-S/F(W/G)	89	5	601 011 02 10 A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089006SNMZA	OM 601 TURBO-S/F(W/G)	89	6	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089006SNMZA	OM 603 TURBO-S/F(W/G)	89	6	601 011 03 10 601 011 04 10 G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089906SNMZA	M104-S/F(W/G)	89.9	6	K-89509190		133	92.5	94	4.7
CR089906SNMZA	M112 E32-S/F(W/G)	89.9	6	K-89509190		133	92.5	94	4.7
CR089906SNMZA	M113 E43-S/F(W/G)	89.9	6	K-89509190		133	92.5	94	4.7
CR089908SNMZA	M112 E32-S/F(W/G)	89.9	8	K-89509190		133	92.5	94	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089908SNMZA	M113 E43-S/F(W/G)	89.9	8	K-89509190		133	92.5	94	4.7
CR090904SNMZA	OM 616-S/F(W/G)	90.9	4	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7
CR090904SNMZA	OM 617-S/F(W/G)	90.9	4	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7
CR090904SNMZB	OM 616-S/F(W/G)	90.9	4	M-001WV19		158.4	94.6	96.5	4.8
CR090904SNMZB	OM 617-S/F(W/G)	90.9	4	M-001WV19		158.4	94.6	96.5	4.8
CR090905SNMZA	OM 616-S/F(W/G)	90.9	5	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR090905SNMZA	OM 617-S/F(W/G)	90.9	5	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7
CR090905SNMZB	OM 616-S/F(W/G)	90.9	5	M-001WV19		158.4	94.6	96.5	4.8
CR090905SNMZB	OM 617-S/F(W/G)	90.9	5	M-001WV19		158.4	94.6	96.5	4.8
CR090905SNMZA	OM 617-S/F(W/G)	90.9	5	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7
CR095504SNMZA	M102-S/F(W/G)	95.5	4	K-89508190		147	98.5	100.3	4.7
CR097004SNMZA	OM 314-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZA	OM 340-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 343-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 394-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 341-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 344-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 352-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZA	OM 353-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 396-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZB	OM 314-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 340-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 343-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 394-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZB	OM 341-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 344-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 352-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 353-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 396-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZA	OM 314-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZA	OM 340-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 343-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 344-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 352-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 353-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZA	OM 394-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZA	OM 396-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNMZB	OM 314-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 340-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 343-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 344-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 352-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097004SNMZB	OM 353-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 394-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097004SNMZB	OM 396-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZA	OM 314-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 340-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 343-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZA	OM 394-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 341-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 344-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 352-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 353-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 396-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZB	OM 314-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 340-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 343-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 394-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 341-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 344-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZB	OM 352-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 353-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 396-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZA	OM 314-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 340-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 343-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZA	OM 344-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 352-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 353-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 394-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZA	OM 396-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNMZB	OM 314-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZB	OM 340-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 343-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 344-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 352-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 353-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNMZB	OM 394-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR097006SNMZB	OM 396-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR115006SNMZA	OM 360-S/F(W/G)	115	6	G-1402424000 K-89043190 M-005WV03		253.5	120	125	5.5
CR128005SNMZA	OM 335-S/F(W/G)	128	5	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128005SNMZA	OM 345-S/F(W/G)	128	5	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128005SNMZA	OM 347-S/F(W/G)	128	5	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128005SNMZA	OM 355-S/F(W/G)	128	5	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5

MERCEDES-BENZ

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR128006SNMZA	OM 335-S/F(W/G)	128	6	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128006SNMZA	OM 345-S/F(W/G)	128	6	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128006SNMZA	OM 347-S/F(W/G)	128	6	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5
CR128006SNMZA	OM 355-S/F(W/G)	128	6	G-1402589000 K-88869190 M-003WV09		287.5	133.5	137.5	5.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069504SVMIA	4G11-S/F(O/G)	69.5	4	MD030698		140	73.5		
CR069504SVMIA	G11B-S/F(O/G)	69.5	4	MD030698		140	73.5		
CR071004SVMIB	4G13-S/F(O/G)	71	4			132	75		
CR071004SVMIB	G13B-S/F(O/G)	71	4			132	75		
CR071004SVMIB	4G13 NEW-S/F(O/G)	71	4			132	75		
CR072204SVMIA	4G17-S/F(O/G)	72.2	4			130	76.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073004SVMID	4G33-S/F(O/G)	73	4	MD002290		150	77		
CR073004SVMID	4G36-S/F(O/G)	73	4	MD002290		150	77		
CR075504SVMIA	4G15-S/F(O/G)	75.5	4			140	79.5		
CR075504SVMIA	G15B-S/F(O/G)	75.5	4			140	79.5		
CR075504SVMIA	4G15 NEW-S/F(O/G)	75.5	4			140	79.5		
CR075504SVMIA	4G15-S3-S/F(O/G)	75.5	4			140	79.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076504SVMIA	4G41-S/F(O/G)	76.5	4			127	80.5		
CR076504SVMIA	KE41-S/F(O/G)	76.5	4			127	80.5		
CR076504SVMIA	G41R-S/F(O/G)	76.5	4			127	80.5		
CR076904SVMIA	4G32-S/F(O/G)	76.9	4	MD004233		150	80.9		
CR076904SVMIA	G32R-S/F(O/G)	76.9	4	MD004233		150	80.9		
CR076904SVMIA	G32J-S/F(O/G)	76.9	4	MD004233		150	80.9		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076904SVMIA	G32B-S/F(O/G)	76.9	4	MD004233		150	80.9		
CR076904SVMIA	G32S-S/F(O/G)	76.9	4	MD004233		150	80.9		
CR076904SVMIA	4G32T-S/F(O/G)	76.9	4	MD004233		150	80.9		
CR078406SVMIA	6A12 ST-41-S/F(O/G)	78.4	6			115	82.4		
CR078406SVMIA	6A12-S/F(O/G)	78.4	6			115	82.4		
CR080004SNMFA	F8Q 784 TURBO-S/F(W/G)	80	4			154	83.05	86	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004FVMFA	F8Q 784 TURBO-F/F(O/G)	80	4			154	83.05		
CR080004SVMFA	F8Q 784 TURBO-S/F(O/G)	80	4			154	83.05		
CR080604SVMIA	4G62-S/F(O/G)	80.6	4	MD061685		150	84.5		
CR080604SVMIA	G62B-S/F(O/G)	80.6	4	MD061685		150	84.5		
CR080604SVMIA	G62BT-S/F(O/G)	80.6	4	MD061685		150	84.5		
CR080604SNMFA	4D65-S/F(W/G)	80.6	4			150	84.6	90.5	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080604SNMFA	4D65T-S/F(W/G)	80.6	4			150	84.6	90.5	4
CR080604FVMFA	4D65-F/F(O/G)	80.6	4			146	84.6		
CR080604FVMFA	4D65T-F/F(O/G)	80.6	4			146	84.6		
CR080604SVMFA	4D65-S/F(O/G)	80.6	4			146	84.6		
CR080604SVMFA	4D65T-S/F(O/G)	80.6	4			146	84.6		
CR081004SVMIA	4G51-S/F(O/G)	81	4			146	85		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081504SVMIA	4G94-S/F(O/G)	81.5	4			185	85		
CR082704SNMFA	4D68-S/F(W/G)	82.7	4			170	86.7	90.7	5
CR082704SNMFA	4D68T-S/F(W/G)	82.7	4			170	86.7	90.7	5
CR082704FVMFA	4D68-F/F(O/G)	82.7	4			165	86.7		
CR082704FVMFA	4D68T-F/F(O/G)	82.7	4			165	86.7		
CR082704SVMFA	4D68-S/F(O/G)	82.7	4			165	86.7		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082704SVMFA	4D68T-S/F(O/G)	82.7	4			165	86.7		
CR084004FVMFA	4DQ5-F/F(O/G)	84	4	30607-50301		163	88		
CR084004SVMFA	4DQ5-S/F(O/G)	84	4	30607-50301		163	88		
CR085004SVMIA	4G63-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63B-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63K-S/F(O/G)	85	4	MD040409		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SVMIA	G63D-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	4G63T-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DT-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63BTS-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DM-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DH-S/F(O/G)	85	4	MD040409		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SVMIA	G63DMK-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DP-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DK-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	4G63 NEW-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63SP NEW-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	G63DT NEW-S/F(O/G)	85	4	MD040409		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SVMIA	G63N NEW-S/F(O/G)	85	4	MD040409		150	89		
CR085004SVMIA	4G63-D4-S/F(O/G)	85	4	MD040409		150	89		
CR086504SVMIA	4G64-S/F(O/G)	86.5	4			155	90		
CR086504SVMIA	G64B-S/F(O/G)	86.5	4			155	90		
CR086504SVMIA	G64K-S/F(O/G)	86.5	4			155	90		
CR091104SVMIC	4G54-S/F(O/G)	91.1	4			165	95.1		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SVMIC	4G54R-S/F(O/G)	91.1	4			165	95.1		
CR091104SVMIC	4G54T-S/F(O/G)	91.1	4			165	95.1		
CR091104SVMIC	G54BT-S/F(O/G)	91.1	4			165	95.1		
CR091104SVMIC	G54B-S/F(O/G)	91.1	4			165	95.1		
CR091104SNMFA	4D56-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D55-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SNMFA	4D56 New-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D55T-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D56T-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D56T New-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D57-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2
CR091104SNMFA	4D56T CRDi-S/F(W/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2	98.1	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104FVMFA	4D56-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D55-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D56 New-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D55T-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D56T-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D56T New-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104FVMFA	4D57-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104FVMFA	4D56T CRDi-F/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D56-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D55-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D56 New-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D55T-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091104SVMFA	4D56T-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D56T New-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D57-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR091104SVMFA	4D56T CRDi-S/F(O/G)	91.1	4	MD050430 MD103648 MD168963		165	94.2		
CR092004FVMFA	4DR5-F/F(O/G)	92	4	31607-02202		176	95		
CR092004FVMFA	4DR51-F/F(O/G)	92	4	31607-02202		176	95		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004FVMFA	4DR5 New-F/F(O/G)	92	4	31607-02202		176	95		
CR092004SVMFA	4DR5-S/F(O/G)	92	4	31607-02202		176	95		
CR092004SVMFA	4DR51-S/F(O/G)	92	4	31607-02202		176	95		
CR092004SVMFA	4DR5 New-S/F(O/G)	92	4	31607-02202		176	95		
CR092006FVMFA	6DR5-F/F(O/G)	92	6	31607-02202		176	95		
CR092006FVMFA	6DR51-F/F(O/G)	92	6	31607-02202		176	95		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092006SVMFA	6DR5-S/F(O/G)	92	6	31607-02202		176	95		
CR092006SVMFA	6DR51-S/F(O/G)	92	6	31607-02202		176	95		
CR093006SVMIA	6G74-S/F(O/G)	93	6			195	97		
CR094004SNMFB	S4S-S/F(W/G)	94	4	32A07-00300		185	98	101.9	4
CR094004FVMFA	S4E-F/F(O/G)	94	4	34407-00301 34407-00302		168	98		
CR094004FVMFA	S4E1-F/F(O/G)	94	4	34407-00301 34407-00302		168	98		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004FVMFB	S4S-F/F(O/G)	94	4	32A07-00300		190	98		
CR094004SVMFA	S4E-S/F(O/G)	94	4	34407-00301 34407-00302		168	98		
CR094004SVMFA	S4E1-S/F(O/G)	94	4	34407-00301 34407-00302		168	98		
CR094004SVMFB	S4S-S/F(O/G)	94	4	32A07-00300		190	98		
CR094006SNMFB	S6S-S/F(W/G)	94	6	32A07-00300		185	98	101.9	4
CR094006FVMFA	S6E-F/F(O/G)	94	6	34407-00301 34407-00302		168	98		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094006FVMFB	S6S-F/F(O/G)	94	6	32A07-00300		190	98		
CR094006SVMFA	S6E-S/F(O/G)	94	6	34407-00301 34407-00302		168	98		
CR094006SVMFB	S6S-S/F(O/G)	94	6	32A07-00300		190	98		
CR095004SNMFB	4M40-S/F(W/G)	95	4	ME200685 ME999919		186	99	104.6	2.5
CR095004SNMFB	4M40T-S/F(W/G)	95	4	ME200685 ME999919		186	99	104.6	2.5
CR095004SNMFB	4M40 New-S/F(W/G)	95	4	ME200685 ME999919		186	99	104.6	2.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095004SNMFB	4M42-0AT-S/F(W/G)	95	4	ME200685 ME999919		186	99	104.6	2.5
CR095004SNMFB	4M42-S/F(W/G)	95	4	ME200685 ME999919		186	99	104.6	2.5
CR095004FVMFA	4DR7-F/F(O/G)	95	4	ME997798		180	98		
CR095004FVMFB	4M40-F/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004FVMFB	4M40T-F/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004FVMFB	4M40 New-F/F(O/G)	95	4	ME200685 ME999919		186	99		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095004FVMFB	4M42-0AT-F/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004FVMFB	4M42-F/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004SVMFA	4DR7-S/F(O/G)	95	4	ME997798		180	98		
CR095004SVMFB	4M40-S/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004SVMFB	4M40T-S/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004SVMFB	4M40 New-S/F(O/G)	95	4	ME200685 ME999919		186	99		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095004SVMFB	4M42-0AT-S/F(O/G)	95	4	ME200685 ME999919		186	99		
CR095004SVMFB	4M42-S/F(O/G)	95	4	ME200685 ME999919		186	99		
CR098004SNMFA	S4E2-S/F(W/G)	98	4	34407-00500 34407-05400		170	101	103	4
CR098004SNMFA	S4F-S/F(W/G)	98	4	34407-00500 34407-05400		170	101	103	4
CR098004FVMFA	S4E2-F/F(O/G)	98	4	34407-00500 34407-05400		168.5	102		
CR098004FVMFA	S4F-F/F(O/G)	98	4	34407-00500 34407-05400		168.5	102		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR098004SVMFA	S4E2-S/F(O/G)	98	4	34407-00500 34407-05400		168.5	102		
CR098004SVMFA	S4F-S/F(O/G)	98	4	34407-00500 34407-05400		168.5	102		
CR098006FNMFB	6DS7-F/F(W/G)	98	6	ME021843		201	110	117	10.0+0.9
CR098006FNMFC	6DS7 New-F/F(W/G)	98	6	ME029081 ME029187		206	110	117	10.0+1.15
CR098006FVMFA	S6E2-F/F(O/G)	98	6	34407-05400		168.5	102		
CR098006FVMFA	S6F-F/F(O/G)	98	6	34407-05400		168.5	102		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR098006SVMFA	S6E2-S/F(O/G)	98	6	34407-05400		168.5	102		
CR098006SVMFA	S6F-S/F(O/G)	98	6	34407-05400		168.5	102		
CR098504SNMFA	4M41-S/F(W/G)	98.5	4			170.5	102.5	105.5	4
CR098504SNMFA	4M41T-S/F(W/G)	98.5	4			170.5	102.5	105.5	4
CR098504FVMFA	4M41-F/F(O/G)	98.5	4			170.5	102.5		
CR098504FVMFA	4M41T-F/F(O/G)	98.5	4			170.5	102.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR098504SVMFA	4M41-S/F(O/G)	98.5	4			170.5	102.5		
CR098504SVMFA	4M41T-S/F(O/G)	98.5	4			170.5	102.5		
CR100004SNMFA	4D30-S/F(W/G)	100	4	ME011513		196.5	104	109	5
CR100004SNMFB	4D31-S/F(W/G)	100	4	ME011523 ME011604		191.5	104	109	5
CR100004SNMFB	4D31T-S/F(W/G)	100	4	ME011523 ME011604		191.5	104	109	5
CR100004FVMFA	4D30-F/F(O/G)	100	4	ME011513		196.5	104		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004FVMFB	4D31-F/F(O/G)	100	4	ME011523 ME011604		191.5	104		
CR100004FVMFB	4D31T-F/F(O/G)	100	4	ME011523 ME011604		191.5	104		
CR100004SVMFA	4D30-S/F(O/G)	100	4	ME011513		196.5	104		
CR100004SVMFB	4D31-S/F(O/G)	100	4	ME011523 ME011604		191.5	104		
CR100004SVMFB	4D31T-S/F(O/G)	100	4	ME011523 ME011604		191.5	104		
CR100006SNMFB	6D31T-S/F(W/G)	100	6	ME011626		191	104	109	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100006SNMFB	6D31-S/F(W/G)	100	6	ME011626		191	104	109	5
CR100006FVMFB	6D31T-F/F(O/G)	100	6	ME011626		191	104		
CR100006FVMFB	6D31-F/F(O/G)	100	6	ME011626		191	104		
CR100006SVMFB	6D31T-S/F(O/G)	100	6	ME011626		191	104		
CR100006SVMFB	6D31-S/F(O/G)	100	6	ME011626		191	104		
CR102006FVMFA	S6KT-F/F(O/G)	102	6	34307-00500 34307-00501		196	105		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102006SVMFA	S6KT-S/F(O/G)	102	6	34307-00500 34307-00501		196	105		
CR104004SNMFA	4D32-S/F(W/G)	104	4	ME012900		197	108	113	4
CR104004SNMFB	4D34-S/F(W/G)	104	4	ME013366		200	108	113	4
CR104004SNMFB	4D34T-S/F(W/G)	104	4	ME013366		200	108	113	4
CR104004SNMFA	4D36-S/F(W/G)	104	4	ME012900		197	108	113	4
CR104004SNMFB	4D34 2AT-S/F(W/G)	104	4	ME013366		200	108	113	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004SNMFB	4D34 3AT-S/F(W/G)	104	4	ME013366		200	108	113	4
CR104004FVMFA	4D32-F/F(O/G)	104	4	ME012900		197	108		
CR104004FVMFB	4D34-F/F(O/G)	104	4	ME013366		200	108		
CR104004FVMFB	4D34T-F/F(O/G)	104	4	ME013366		200	108		
CR104004FVMFA	4D36-F/F(O/G)	104	4	ME012900		197	108		
CR104004FVMFB	4D34-2AT-F/F(O/G)	104	4	ME013366		200	108		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004FVMFB	4D34-3AT-F/F(O/G)	104	4	ME013366		200	108		
CR104004SVMFA	4D32-S/F(O/G)	104	4	ME012900		197	108		
CR104004SVMFB	4D34-S/F(O/G)	104	4	ME013366		200	108		
CR104004SVMFB	4D34T-S/F(O/G)	104	4	ME013366		200	108		
CR104004SVMFA	4D36-S/F(O/G)	104	4	ME012900		197	108		
CR104004SVMFB	4D34-2AT-S/F(O/G)	104	4	ME013366		200	108		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104004SVMFB	4D34-3AT-S/F(O/G)	104	4	ME013366		200	108		
CR104006SNMFB	6D34T-S/F(W/G)	104	6	ME012900 ME013366		200	108	113	4
CR104006SNMFB	6D34 2AT-S/F(W/G)	104	6	ME012900 ME013366		200	108	113	4
CR104006SNMFB	6D34 3AT-S/F(W/G)	104	6	ME012900 ME013366		200	108	113	4
CR104006FVMFB	6D34T-F/F(O/G)	104	6	ME012900 ME013366		200	108		
CR104006FVMFB	6D34-2AT-F/F(O/G)	104	6	ME012900 ME013366		200	108		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104006FVMFB	6D34-3AT-F/F(O/G)	104	6	ME012900 ME013366		200	108		
CR104006SVMFB	6D34T-S/F(O/G)	104	6	ME012900 ME013366		200	108		
CR104006SVMFB	6D34-2AT-S/F(O/G)	104	6	ME012900 ME013366		200	108		
CR104006SVMFB	6D34-3AT-S/F(O/G)	104	6	ME012900 ME013366		200	108		
CR105006FNMFA	6D10-F/F(W/G)	105	6	ME031502		205.8	119	126	10.0+1.3
CR105006FNMFB	6D11-F/F(W/G)	105	6	ME031505		228.3	119	126	10.0+1.3

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108004SNMFA	4D33-S/F(W/G)	108	4	ME013333		205	112	117	5
CR108004SNMFA	4D33 4A-S/F(W/G)	108	4	ME013333		205	112	117	5
CR108004FVMFA	4D33-F/F(O/G)	108	4	ME013333		200	112		
CR108004FVMFA	4D33 4A-F/F(O/G)	108	4	ME013333		200	112		
CR108004SVMFA	4D33-S/F(O/G)	108	4	ME013333		200	112		
CR108004SVMFA	4D33-4A-S/F(O/G)	108	4	ME013333		200	112		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110004SNMFA	4D35-S/F(W/G)	110	4	ME013678		205	114	119	5
CR110004SNMFA	4D35T-S/F(W/G)	110	4	ME013678		205	114	119	5
CR110004FVMFA	4D35-F/F(O/G)	110	4	ME013678		200	114		
CR110004FVMFA	4D35T-F/F(O/G)	110	4	ME013678		200	114		
CR110004SVMFA	4D35-S/F(O/G)	110	4	ME013678		200	114		
CR110004SVMFA	4D35T-S/F(O/G)	110	4	ME013678		200	114		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FNMFA	6D14-F/F(W/G)	110	6	ME031453 ME031463 ME031508 ME031510 ME031617		206	122	130.6	10.0+1.2
CR110006FNMFA	6D14-A-F/F(W/G)	110	6	ME031453 ME031463 ME031508 ME031510 ME031617		206	122	130.6	10.0+1.2
CR110006FNMFA	6D14-2A-F/F(W/G)	110	6	ME031453 ME031463 ME031508 ME031510 ME031617		206	122	130.6	10.0+1.2
CR110006FNMFA	6D14T-F/F(W/G)	110	6	ME031453 ME031463 ME031508 ME031510 ME031617		206	122	130.6	10.0+1.2
CR110006FNMFA	6D14-3A-F/F(W/G)	110	6	ME031453 ME031463 ME031508 ME031510 ME031617		206	122	130.6	10.0+1.2
CR110006FNMFB	6D14-3AT-F/F(W/G)	110	6	ME071175 ME071199		210	121.95	130.65	10.0+1.4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FNMFC	6DB1-F/F(W/G)	110	6	30007-62200 ME040040		270	125.9	134.5	11.82
CR113006FNMFA	6D15-F/F(W/G)	113	6	ME031654 ME031656 ME071041 ME071063		206	125	132.8	10.0+1.5
CR113006FNMFB	6D15T-F/F(W/G)	113	6	ME071062 ME071063 ME071064		211	125	132.8	10.0+1.5
CR113006FNMFB	6D15T New-F/F(W/G)	113	6	ME071062 ME071063 ME071064		211	125	132.8	10.0+1.5
CR113006FBMFC	6D15T-F/F(W/G)	113	6	ME047574 ME071086 ME071087 ME071088 ME071089	phosphated	206	117	125	8.0+1.2
CR113006FBMFC	6D15-3AT-F/F(W/G)	113	6	ME047574 ME071086 ME071087 ME071088 ME071089	phosphated	206	117	125	8.0+1.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR114004FBMFA	4M50T-F/F(W/G)	114	4		phosphated	199	118	123.8	6
CR114004SNMFA	4M50T-S/F(W/G)	114	4			199	118	123.8	6
CR114004FVMFA	4M50T-F/F(O/G)	114	4			199	118		
CR114004SVMFA	4M50T-S/F(O/G)	114	4			199	118		
CR118004SNMFA	4M51-S/F(W/G)	118	4			190	122	127	5
CR118004SNMFA	4M51T-S/F(W/G)	118	4			190	122	127	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR118004FVMFA	4M51-F/F(O/G)	118	4			190	122		
CR118004FVMFA	4M51T-F/F(O/G)	118	4			190	122		
CR118004SVMFA	4M51-S/F(O/G)	118	4			190	122		
CR118004SVMFA	4M51T-S/F(O/G)	118	4			190	122		
CR118006FBMFA	6D16-F/F(W/G)	118	6	ME071224 ME071225 ME071226 ME071227 ME071228	phosphated	205	122	128	8
CR118006FBMFB	6D16T-F/F(W/G)	118	6	ME041102 ME041105 ME041107	phosphated	206	122	128	8.0+1.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR118006FBMFC	6D17-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8
CR118006FBMFE	6D17-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8.0+1.5
CR118006FBMFC	6M60T-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8
CR118006FBMFE	6M60T-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8.0+1.5
CR118006FBMFB	6D16-F/F(W/G)	118	6	ME041102 ME041105 ME041107	phosphated	206	122	128	8.0+1.5
CR118006FBMFF	6M60T-F/F(W/G)	118	6	ME071940 ME302325	phosphated	210.5	122	127.9	8.0+1.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR118006FBMFC	6M61-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8
CR118006FBMFE	6M61-F/F(W/G)	118	6	ME071125 ME071537 ME071538 ME071543 ME071937	phosphated	209	122	127.9	8.0+1.5
CR118006FBMFB	6D16T-3AT-F/F(W/G)	118	6	ME041102 ME041105 ME041107	phosphated	206	122	128	8.0+1.5
CR125006FNMFA	6D20-F/F(W/G)	125	6	30907-10500 ME051157 ME051553 ME051554		261.3	143	153	11.5+1.3
CR130006FNMFA	6D22-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8
CR130006FNMFA	6D22T-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR130006FNMFA	6D22-3AT-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8
CR130006FNMFA	6D24-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8
CR130006FNMFA	6D24-3V-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8
CR130006FNMFA	6D24-3AT-F/F(W/G)	130	6	ME051217 ME051500 ME051501 ME051502 ME051503		262	147	156	11.5+1.8
CR130008FDMFA	8DC4-F/F(W/G)	130	8	31207-43401 31207-43402 31207-72503 31207-72603 31207-72604	water jacket chromed	229.3	147	157	11.8+1.3
CR130008FDMFA	8DC2-F/F(W/G)	130	8	31207-43401 31207-43402 31207-72503 31207-72603 31207-72604	water jacket chromed	229.3	147	157	11.8+1.3

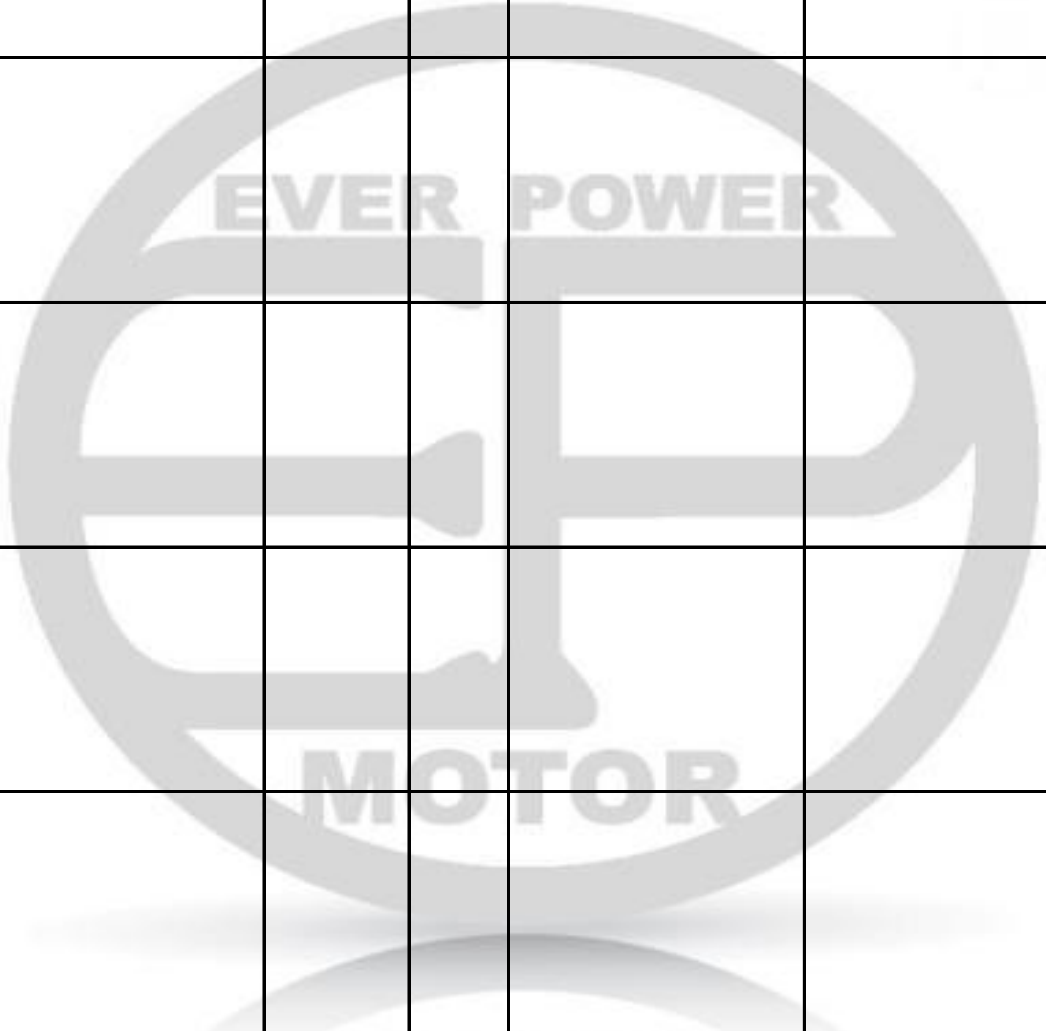
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR135006FBMFA	6D40T-F/F(W/G)	135	6	ME120028	phosphated	261	140	148.9	9.0+1.0
CR135008FDMFA	8DC8-F/F(W/G)	135	8	31207-72183	water jacket chromed	229.3	154	163	11.8+1.0
CR135008FDMFA	8DC81-F/F(W/G)	135	8	31207-72183	water jacket chromed	229.3	154	163	11.8+1.0
CR135008FDMFA	8DC82-F/F(W/G)	135	8	31207-72183	water jacket chromed	229.3	154	163	11.8+1.0
CR135008FDMFB	8DC9-F/F(W/G)	135	8	ME061782	water jacket chromed	260	154	163	11.8+1.2
CR135008FDMFB	8DC9T-F/F(W/G)	135	8	ME061782	water jacket chromed	260	154	163	11.8+1.2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR135008FDMFB	8DC91-F/F(W/G)	135	8	ME061782	water jacket chromed	260	154	163	11.8+1.2
CR135008FDMFB	8DC91T-F/F(W/G)	135	8	ME061782	water jacket chromed	260	154	163	11.8+1.2
CR135008FDMFC	8DC9-3A-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7
CR135008FNMFD	8DC6-F/F(W/G)	135	8	31207-63202 ME062379		229.3	154	163	11.8+1.3
CR135008FDMFC	8DC9-3AT-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7
CR135008FDMFC	8DC91-3AT-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR135008FDMFC	8DC9T2-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7
CR135008FDMFC	8DC9T2-3V-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7
CR135008FDMFC	8DC91T-F/F(W/G)	135	8	ME062602 ME062603 ME062604	water jacket chromed	259.7	154	163	11.8+1.7
CR138008FDMFA	8DC10-F/F(W/G)	138	8	ME062783	water jacket chromed	259.7	154	163	11.8+1.7
CR142008FKMFA	8DC11-F/F(W/G)	142	8	ME060439 ME060440 ME060441	phosphating and water jacket chromed	259.5	154	163	201.3+1.7
CR145006FTMFA	S6A-F/F(W/G)	145	6	32507-12100	nitrided	300.5	165	175.8	12.3+1.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR146008FDMFA	8M20-F/F(W/G)	146	8	ME161018	water jacket chromed	258.2	158	177.5	12.0+2.0
CR150008FNMFB	8M21-F/F(W/G)	150	8	ME352199 ME352200 ME352201 ME352202		258.5	169	177.5	11.8+1.2
CR160006FTMFA	S6R2F-F/F(W/G)	160	6	37507-28200	nitrided	391	191	204	14.0+2.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNMMA	4.07 TCA-S/F(W/G)	93	4	K-89734190 M-151WV32		183	96	102.5	6.0+1.1



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR071004SVNNB	GA13-S/F(O/G)	71	4			133	75		
CR071004SVNNB	GA13DS-S/F(O/G)	71	4			133	75		
CR073004SVNNA	A12S-S/F(O/G)	73	4	11012-H1000 11012-H1011		122	77		
CR073004SVNNB	J13-S/F(O/G)	73	4			132	77		
CR073004SVNNA	A10S-S/F(O/G)	73	4	11012-H1000 11012-H1011		122	77		
CR073604SVNNA	GA14S-S/F(O/G)	73.6	4			140	77.6		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073604SVNNA	GA14DE-S/F(O/G)	73.6	4			140	77.6		
CR073604SVNNA	GA14DS-S/F(O/G)	73.6	4			140	77.6		
CR075004SVNNA	A12A-S/F(O/G)	75	4			122	79		
CR076004SNNNA	K9K 700-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNNNA	K9K 704-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNNNA	K9K 722-S/F(W/G)	76	4			145	80.5	84.5	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNNNA	K9K 750-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004FVNNA	K9K 700-F/F(O/G)	76	4			140	80.5		
CR076004FVNNA	K9K 704-F/F(O/G)	76	4			140	80.5		
CR076004FVNNA	K9K 722-F/F(O/G)	76	4			140	80.5		
CR076004FVNNA	K9K 750-F/F(O/G)	76	4			140	80.5		
CR076004SVNNA	K9K 700-S/F(O/G)	76	4			140	80.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SVNNA	K9K 704-S/F(O/G)	76	4			140	80.5		
CR076004SVNNA	K9K 722-S/F(O/G)	76	4			140	80.5		
CR076004SVNNA	K9K 750-S/F(O/G)	76	4			140	80.5		
CR076004SVNND	A14S-S/F(O/G)	76	4	11012-H7200 11012-H7685 11012-H9700 11012-H9820		138	80		
CR076004SVNND	A14-S/F(O/G)	76	4	11012-H7200 11012-H7685 11012-H9700 11012-H9820		138	80		
CR076004SVNND	A14 NEW-S/F(O/G)	76	4	11012-H7200 11012-H7685 11012-H9700 11012-H9820		138	80		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SVNND	A15S-S/F(O/G)	76	4	11012-H7200 11012-H7685 11012-H9700 11012-H9820		138	80		
CR076004SVNNE	E15S-S/F(O/G)	76	4	11012-11M00 11012-11M20		138	80		
CR076004SVNNE	E15-ET-S/F(O/G)	76	4	11012-11M00 11012-11M20		138	80		
CR076004SVNNC	E16S-S/F(O/G)	76	4			140	80		
CR076004SVNNC	GA16DE-S/F(O/G)	76	4			140	80		
CR076004SVNNC	GA16DS-S/F(O/G)	76	4			140	80		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SVNNC	GA16I-S/F(O/G)	76	4			140	80		
CR076004SVNNC	E16I-S/F(O/G)	76	4			140	80		
CR076004SVNNC	E16S-S/F(O/G)	76	4			140	80		
CR076004SVNNC	QG16-S/F(O/G)	76	4			140	80		
CR076004SVNNC	QG16DE-S/F(O/G)	76	4			140	80		
CR077004SNNNA	TD15-S/F(W/G)	77	4			147.5	81	84	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR077004FVNNA	TD15-F/F(O/G)	77	4			142.5	81		
CR077004SVNNA	TD15-S/F(O/G)	77	4			142.5	81		
CR078004SVNNA	J15-S/F(O/G)	78	4	11012-B5101 11012-B3000 11012-E3000		140	82		
CR078004SVNNA	J16-S/F(O/G)	78	4	11012-B5101 11012-B3000 11012-E3000		140	82		
CR078004SVNNB	GA16S-S/F(O/G)	78	4	11012-06E01		140	82		
CR078004SVNNB	CA16S-S/F(O/G)	78	4	11012-06E01		140	82		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078004SVNNB	HR16DE-S/F(O/G)	78	4	11012-06E01		140	82		
CR080004SNNNA	CD17-S/F(W/G)	80	4	11012-16A00		146	84	86	4.8
CR080004SNNNB	F9Q 780-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNNNB	F9Q 800-S/F(W/G)	80	4			154	83.05	86	5
CR080004FVNNA	CD17-F/F(O/G)	80	4	11012-16A00		146	84		
CR080004FVNNB	F9Q 780-F/F(O/G)	80	4			154	83.05		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004FVNNB	F9Q 800-F/F(O/G)	80	4			154	83.05		
CR080004SVNNA	CD17-S/F(O/G)	80	4	11012-16A00		146	84		
CR080004SVNNB	F9Q 780-S/F(O/G)	80	4			154	83.05		
CR080004SVNNB	F9Q 800-S/F(O/G)	80	4			154	83.05		
CR080504SVNNA	J18-S/F(O/G)	80.5	4	12010-01W12		152.4	84.7		
CR083004FNNNA	SD22-F/F(W/G)	83	4	11012-76200 11012-76201		176	87	93	5.1

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNNNA	SD22-S/F(W/G)	83	4	11012-76200 11012-76201		176	87	93	5.1
CR083004SVNNA	L16-S/F(O/G)	83	4	11012-21000		140	87		
CR083004SVNNB	CA18D-S/F(O/G)	83	4	11012-D0300		140	87		
CR083004SVNNB	CA18-S/F(O/G)	83	4	11012-D0300		140	87		
CR083004SVNNB	CA18S-S/F(O/G)	83	4	11012-D0300		140	87		
CR083004SVNNB	CA18ET-S/F(O/G)	83	4	11012-D0300		140	87		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SVNNB	CA18T-S/F(O/G)	83	4	11012-D0300		140	87		
CR083004SVNNB	CA18DT-S/F(O/G)	83	4	11012-D0300		140	87		
CR083004SVNNA	L13-S/F(O/G)	83	4	11012-21000		140	87		
CR083004SVNNA	L14-S/F(O/G)	83	4	11012-21000		140	87		
CR083004SVNNA	L16S-S/F(O/G)	83	4	11012-21000		140	87		
CR083004SVNNA	Z16T-S/F(O/G)	83	4	11012-21000		140	87		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SVNNA	Z16-S/F(O/G)	83	4	11012-21000		140	87		
CR083006FNNNA	SD33(T)-F/F(W/G)	83	6	11012-76200 11012-76201 11012-C8701		176	87	93	5
CR083006SNNNA	SD33(T)-S/F(W/G)	83	6	11012-76200 11012-76201 11012-C8701		176	87	93	5
CR083006SVNNA	L26-S/F(O/G)	83	6	11012-21000		140	87		
CR083006SVNNA	L24-S/F(O/G)	83	6	11012-21000		140	87		
CR083006SVNNA	L24E-S/F(O/G)	83	6	11012-21000		140	87		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SNNNA	M9R 780-S/F(W/G)	84	4			169.5	88	91	5
CR084004FVNNA	M9R 780-F/F(O/G)	84	4			169.5	88		
CR084004SVNNA	M9R 780-S/F(O/G)	84	4			169.5	88		
CR084004SVNNB	MR20DE-S/F(O/G)	84	4			150	88		
CR084504SNNNA	CD20-S/F(W/G)	84.5	4	11012-16A02		148	87.5	89.5	4.8
CR084504SNNNA	CD20T-S/F(W/G)	84.5	4	11012-16A02		148	87.5	89.5	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084504FVNNA	CD20-F/F(O/G)	84.5	4	11012-16A02		148	87.5		
CR084504FVNNA	CD20T-F/F(O/G)	84.5	4	11012-16A02		148	87.5		
CR084504SVNNA	CD20-S/F(O/G)	84.5	4	11012-16A02		148	87.5		
CR084504SVNNA	CD20T-S/F(O/G)	84.5	4	11012-16A02		148	87.5		
CR084504SVNNB	CA20-S/F(O/G)	84.5	4	11012-04F00		150	88.5		
CR084504SVNNB	CA20S-S/F(O/G)	84.5	4	11012-04F00		150	88.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084504SVNNB	CA20E-S/F(O/G)	84.5	4	11012-04F00		150	88.5		
CR084506SNNNA	LD28-S/F(W/G)	84.5	6	11012-V0700		150	88.5	90	5
CR084506FVNNA	LD28-F/F(O/G)	84.5	6	11012-V0700		150	88.5		
CR084506SVNNA	LD28-S/F(O/G)	84.5	6	11012-V0700		150	88.5		
CR085004SNNNA	LD20-S/F(W/G)	85	4	11012-W1702		150	89	93	2
CR085004SNNNA	LD20 II-S/F(W/G)	85	4	11012-W1702		150	89	93	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNNNA	LD20 New-S/F(W/G)	85	4	11012-W1702		150	89	93	2
CR085004SNNNA	LD20T-S/F(W/G)	85	4	11012-W1702		150	89	93	2
CR085004FVNNA	LD20-F/F(O/G)	85	4	11012-W1702		150	89		
CR085004FVNNA	LD20 II-F/F(O/G)	85	4	11012-W1702		150	89		
CR085004FVNNA	LD20 New-F/F(O/G)	85	4	11012-W1702		150	89		
CR085004FVNNA	LD20T-F/F(O/G)	85	4	11012-W1702		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SVNNA	LD20-S/F(O/G)	85	4	11012-W1702		150	89		
CR085004SVNNA	LD20 II-S/F(O/G)	85	4	11012-W1702		150	89		
CR085004SVNNA	LD20 New-S/F(O/G)	85	4	11012-W1702		150	89		
CR085004SVNNA	LD20T-S/F(O/G)	85	4	11012-W1702		150	89		
CR085004SVNNB	L18-S/F(O/G)	85	4	11012-A8701 11012-U2000		150	89		
CR085004SVNNB	L18E-S/F(O/G)	85	4	11012-A8701 11012-U2000		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SVNNB	L18S-S/F(O/G)	85	4	11012-A8701 11012-U2000		150	89		
CR085004SVNNB	L18T-S/F(O/G)	85	4	11012-A8701 11012-U2000		150	89		
CR085004SVNNC	Z20-S/F(O/G)	85	4	11012-W1411 11012-U6000		150	89		
CR085004SVNNC	Z20E-S/F(O/G)	85	4	11012-W1411 11012-U6000		150	89		
CR085004SVNNC	Z20S-S/F(O/G)	85	4	11012-W1411 11012-U6000		150	89		
CR085006SNNNA	RD28-S/F(W/G)	85	6	11012-V2070		150	89	93	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085006SNNNA	RD28T-S/F(W/G)	85	6	11012-V2070		150	89	93	2
CR085006SNNNA	RD28Ti New-S/F(W/G)	85	6	11012-V2070		150	89	93	2
CR085006FVNNA	RD28-F/F(O/G)	85	6	11012-V2070		150	89		
CR085006FVNNA	RD28T-F/F(O/G)	85	6	11012-V2070		150	89		
CR085006FVNNA	RD28Ti New-F/F(O/G)	85	6	11012-V2070		150	89		
CR085006SVNNA	RD28-S/F(O/G)	85	6	11012-V2070		150	89		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085006SVNNA	RD28T-S/F(O/G)	85	6	11012-V2070		150	89		
CR085006SVNNA	RD28Ti New-S/F(O/G)	85	6	11012-V2070		150	89		
CR086004SNNNA	YD22DDT-S/F(W/G)	86	4			160	90	94	5
CR086004SNNNA	YD22DDTi-S/F(W/G)	86	4			160	90	94	5
CR086004SNNNA	YD22ETi-S/F(W/G)	86	4			160	90	94	5
CR086004SNNNA	YD22TDi-S/F(W/G)	86	4			160	90	94	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004FVNNA	YD22DDT-F/F(O/G)	86	4			160	90		
CR086004FVNNA	YD22DDTi-F/F(O/G)	86	4			160	90		
CR086004FVNNA	YD22ETi-F/F(O/G)	86	4			160	90		
CR086004FVNNA	YD22TDi-F/F(O/G)	86	4			160	90		
CR086004SVNNA	YD22DDT-S/F(O/G)	86	4			160	90		
CR086004SVNNA	YD22DDTi-S/F(O/G)	86	4			160	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086004SVNNA	YD22ETi-S/F(O/G)	86	4			160	90		
CR086004SVNNA	YD22TDi-S/F(O/G)	86	4			160	90		
CR086006SVNNA	L28E-S/F(O/G)	86	6	11012-N4200		150	90		
CR086006SVNNA	L28-S/F(O/G)	86	6	11012-N4200		150	90		
CR087004SNNNA	LD23-S/F(W/G)	87	4			160	91	95	2
CR087004SNNNB	G9T 722-S/F(W/G)	87	4			162	91.05	92.5	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004FVNNA	LD23-F/F(O/G)	87	4			160	91		
CR087004FVNNB	G9T 722-F/F(O/G)	87	4			162	91.05		
CR087004SVNNA	LD23-S/F(O/G)	87	4			160	91		
CR087004SVNNB	G9T 722-S/F(O/G)	87	4			162	91.05		
CR087004SVNNC	Z22-S/F(O/G)	87	4	11012-D1801		150	91		
CR087004SVNNC	Z22E-S/F(O/G)	87	4	11012-D1801		150	91		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087204SVNNA	H20-S/F(O/G)	87.2	4			150	91.2		
CR087204SVNNA	H20 II-S/F(O/G)	87.2	4			150	91.2		
CR087204SVNNA	U20-S/F(O/G)	87.2	4			150	91.2		
CR089004FNNNA	SD23-F/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004FNNNA	SD25-F/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004FNNNA	SD23 New-F/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004FNNNA	SD25 New-F/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004FNNNB	TD23-F/F(W/G)	89	4	11012-02N00 11012-02N10 11012-02N17		160	92	98	5
CR089004SNNNA	SD23-S/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004SNNNA	SD25-S/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004SNNNA	SD23 New-S/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5
CR089004SNNNA	SD25 New-S/F(W/G)	89	4	11012-L2002 11012-L2003 11012-L2004		172	92	98	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNNNB	TD23-S/F(W/G)	89	4	11012-02N00 11012-02N10 11012-02N17		160	92	98	5
CR089004SNNNC	YD25DDTi-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 720-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 724-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 730-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 750-S/F(W/G)	89	4			167	92.5	94	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNNND	G9U 630-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 632-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNNND	G9U 635-S/F(W/G)	89	4			167	92.5	94	4
CR089004FVNNA	YD25DDTi-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 720-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 724-F/F(O/G)	89	4			167	92.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004FVNND	G9U 730-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 750-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 630-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 632-F/F(O/G)	89	4			167	92.5		
CR089004FVNND	G9U 635-F/F(O/G)	89	4			167	92.5		
CR089004SVNNA	YD25DDTi-S/F(O/G)	89	4			167	92.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SVNNF	G9U 720-S/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 724-S/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 730-S/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 750-S/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 630-S/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 632-S/F(O/G)	89	4			167	92.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SVNNF	G9U 635-S/F(O/G)	89	4			167	92.5		
CR089004SNNND	G9U 754-S/F(W/G)	89	4			167	92.5		
CR089004FVNND	G9U 754-F/F(O/G)	89	4			167	92.5		
CR089004SVNNF	G9U 754-S/F(O/G)	89	4			167	92.5		
CR089004SVNNB	Z24-S/F(O/G)	89	4	11012-10W01 11012-30W01		150	93		
CR089004SVNNE	Z24-S/F(O/G)	89	4	11012-10W01 11012-30W01		170	93		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SVNNB	Z24i-S/F(O/G)	89	4	11012-10W01 11012-30W01		150	93		
CR089004SVNNE	Z24i-S/F(O/G)	89	4	11012-10W01 11012-30W01		170	93		
CR089004SVNNB	KA24E-S/F(O/G)	89	4	11012-10W01 11012-30W01		150	93		
CR089004SVNNE	KA24E-S/F(O/G)	89	4	11012-10W01 11012-30W01		170	93		
CR089004SVNNB	KA24DE-S/F(O/G)	89	4	11012-10W01 11012-30W01		150	93		
CR089004SVNNE	KA24DE-S/F(O/G)	89	4	11012-10W01 11012-30W01		170	93		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SVNNC	K21-S/F(O/G)	89	4			175	93		
CR089004SVNND	K25-S/F(O/G)	89	4			210	93		
CR092004SVNNA	H25-S/F(O/G)	92	4			172	96		
CR092904FNNNA	TD25-F/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904FNNNA	BD25-F/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904FNNNA	TD25 New-F/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092904FNNNA	TD25Ti-F/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904SNNNA	TD25-S/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904SNNNA	BD25-S/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904SNNNA	TD25 New-S/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR092904SNNNA	TD25Ti-S/F(W/G)	92.9	4	11012-44G05 11012-44G10 11012-87G00		160	95.9	102	5
CR096004FNNNB	TD27 -F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004FNNNB	TD27 New-F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004FNNNB	TD27T-F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004FNNNC	BD30-F/F(W/G)	96	4	11012-54T00		170	99	105	5
CR096004FNNNB	TD27Ti New-F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004FNNNC	BD30T-F/F(W/G)	96	4	11012-54T00		170	99	105	5
CR096004FNNNB	TD27T New -F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004FNNNB	TD27Ti-F/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004FNNNC	BD30Ti-F/F(W/G)	96	4	11012-54T00		170	99	105	5
CR096004SNNNB	TD27-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004SNNNB	TD27 New-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004SNNNB	TD27T-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004SNNNC	BD30-S/F(W/G)	96	4	11012-54T00		170	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004SNNNB	TD27Ti New-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004SNNNC	BD30T-S/F(W/G)	96	4	11012-54T00		170	99	105	5
CR096004SNNND	ZD30-S/F(W/G)	96	4			165	100	104	5
CR096004SNNND	ZD30DDTi-S/F(W/G)	96	4			165	100	104	5
CR096004SNNNB	TD27T New-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5
CR096004SNNNB	TD27Ti-S/F(W/G)	96	4	11012-2S000 11012-43G00 11012-43G05 11012-43G10		160	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004SNNND	ZD30DD-S/F(W/G)	96	4			165	100	104	5
CR096004SNNNC	BD30Ti-S/F(W/G)	96	4	11012-54T00		170	99	105	5
CR096004FVNND	ZD30-F/F(O/G)	96	4			160	100		
CR096004FVNND	ZD30DDTi-F/F(O/G)	96	4			160	100		
CR096004FVNND	ZD30DD-F/F(O/G)	96	4			160	100		
CR096004SVNND	ZD30-S/F(O/G)	96	4			160	100		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004SVNND	ZD30DDTi-S/F(O/G)	96	4			160	100		
CR096004SVNND	ZD30DD-S/F(O/G)	96	4			160	100		
CR096006FNNNA	TD42-F/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006FNNNA	TD42 New-F/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006FNNNA	TD42T-F/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006FNNNA	TD42T II-F/F(W/G)	96	6	11012-06J00		164	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096006FNNNA	TD42T New-F/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006FNNNA	TD42Ti-F/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006SNNNA	TD42-S/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006SNNNA	TD42 New-S/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006SNNNA	TD42T-S/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006SNNNA	TD42T II-S/F(W/G)	96	6	11012-06J00		164	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096006SNNNA	TD42T New-S/F(W/G)	96	6	11012-06J00		164	99	105	5
CR096006SNNNA	TD42Ti-S/F(W/G)	96	6	11012-06J00		164	99	105	5
CR098004FNNNA	ED30-F/F(W/G)	98	4	11012-J2000 11012-J2001		184.5	111	117	8.0+0.9
CR099204SNNNA	QD32-S/F(W/G)	99.2	4	11012-2S611		160	103.2	107	5
CR099204SNNNA	QD32Ti-S/F(W/G)	99.2	4	11012-2S611		160	103.2	107	5
CR099204FVNNA	QD32-F/F(O/G)	99.2	4	11012-2S611		155	103.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR099204FVNNA	QD32Ti-F/F(O/G)	99.2	4	11012-2S611		155	103.2		
CR099204SVNNA	QD32-S/F(O/G)	99.2	4	11012-2S611		155	103.2		
CR099204SVNNA	QD32Ti-S/F(O/G)	99.2	4	11012-2S611		155	103.2		
CR100004FNNNA	ED33-F/F(W/G)	100	4	11012-T9000 11012-T9001		191	112	118	8.0+1.0
CR100004FNNNB	ED33 New-F/F(W/G)	100	4	11012-02T01 11012-02T10 11012-T9017		191	113.2	119.2	8.0+1.0
CR100004FNNNB	FD33-F/F(W/G)	100	4	11012-02T01 11012-02T10 11012-T9017		191	113.2	119.2	8.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004FNNNB	FD33T-F/F(W/G)	100	4	11012-02T01 11012-02T10 11012-T9017		191	113.2	119.2	8.0+1.0
CR100006FDNNA	ED6-F/F(W/G)	100	6	11012-Z5001 11012-Z5020 11012-Z5508 11012-Z5509 11012-Z5512	water jacket chromed	212	112	118	8.0+1.0
CR100006FDNNA	FD6T-F/F(W/G)	100	6	11012-Z5001 11012-Z5020 11012-Z5508 11012-Z5509 11012-Z5512	water jacket chromed	212	112	118	8.0+1.0
CR100006FDNNA	FD6-F/F(W/G)	100	6	11012-Z5001 11012-Z5020 11012-Z5508 11012-Z5509 11012-Z5512	water jacket chromed	212	112	118	8.0+1.0
CR102504FNNNA	ED35-F/F(W/G)	102.5	4	11012-01T01		191	113.2	119.2	8.0+1.0
CR102504FNNNA	FD35T-F/F(W/G)	102.5	4	11012-01T01		191	113.2	119.2	8.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR102504FNNNA	FD35-F/F(W/G)	102.5	4	11012-01T01		191	113.2	119.2	8.0+1.0
CR108004FNNNA	FD46-F/F(W/G)	108	4	11012-03T001 11012-0T300		213.5	111	116	8.0+1.0
CR108004FNNNB	FD42-F/F(W/G)	108	4	11012-0T000 11012-0T001		197	111	115.9	8.0+1.0
CR108004FNNNA	FD46T-F/F(W/G)	108	4	11012-03T001 11012-0T300		213.5	111	116	8.0+1.0
CR108004SNNNA	FD46-S/F(W/G)	108	4	11012-03T001 11012-0T300		213.5	111	116	8.0+1.0
CR108004SNNNB	FD42-S/F(W/G)	108	4	11012-0T000 11012-0T001		197	111	115.9	8.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108004SNNNA	FD46T-S/F(W/G)	108	4	11012-03T001 11012-0T300		213.5	111	116	8.0+1.0
CR108006FBNNA	FE6-F/F(W/G)	108	6	11012-Z5518	phosphated	217	111	116	8.0+1.0
CR108006FBNNA	FE6T-F/F(W/G)	108	6	11012-Z5518	phosphated	217	111	116	8.0+1.0
CR108006FBNNA	FE6TA-F/F(W/G)	108	6	11012-Z5518	phosphated	217	111	116	8.0+1.0
CR108006FBNNA	FE6T New-F/F(W/G)	108	6	11012-Z5518	phosphated	217	111	116	8.0+1.0
CR108006FBNNA	FE6B 24V-F/F(W/G)	108	6	11012-Z5518	phosphated	217	111	116	8.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR108004SNNNA	FE6-S/F(W/G)	108	6	11012-Z5518		217	111	116	8.0+1.0
CR108004SNNNA	FE6T-S/F(W/G)	108	6	11012-Z5518		217	111	116	8.0+1.0
CR108004SNNNA	FE6TA-S/F(W/G)	108	6	11012-Z5518		217	111	116	8.0+1.0
CR108004SNNNA	FE6T New-S/F(W/G)	108	6	11012-Z5518		217	111	116	8.0+1.0
CR108004SNNNA	FE6B 24V-S/F(W/G)	108	6	11012-Z5518		217	111	116	8.0+1.0
CR110006FNNNA	ND6-F/F(W/G)	110	6	11012-95001 11012-95002		229	115	118.9	3.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR110006FNNNA	NE6-F/F(W/G)	110	6	11012-95001 11012-95002		229	115	118.9	3.0+1.0
CR110006FBNNC	NE6T-F/F(W/G)	110	6	11012-95065 11012-95066	phosphated	229	115	120.9	3.0+1.0
CR110006SNNNA	ND6-S/F(W/G)	110	6	11012-95001 11012-95002		229	115	118.9	3.0+1.0
CR110006SNNNA	NE6-S/F(W/G)	110	6	11012-95001 11012-95002		229	115	118.9	3.0+1.0
CR110006SNNNC	NE6T-S/F(W/G)	110	6	11012-95065 11012-95066		229	115	120.9	3.0+1.0
CR120006FBNNA	NF6T-F/F(W/G)	120	6	11012-95515	phosphated	226	123	129	8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR120006SNNNA	NF6T-S/F(W/G)	120	6	11012-95515		226	123	129	8
CR125006FNNNA	PD6-F/F(W/G)	125	6	11012-96000 11012-96001		259	130	134	3.0+1.0
CR125006FNNNA	PD6T-F/F(W/G)	125	6	11012-96000 11012-96001		259	130	134	3.0+1.0
CR133006FNNNA	PE6-F/F(W/G)	133	6	11012-96500 111012-96501 11012-96566		259	138	142	3.0+1.0
CR133006FNNNA	PE6T-F/F(W/G)	133	6	11012-96500 111012-96501 11012-96566		259	138	142	3.0+1.0
CR133006FNNNA	PE6TB-F/F(W/G)	133	6	11012-96500 111012-96501 11012-96566		259	138	142	3.0+1.0

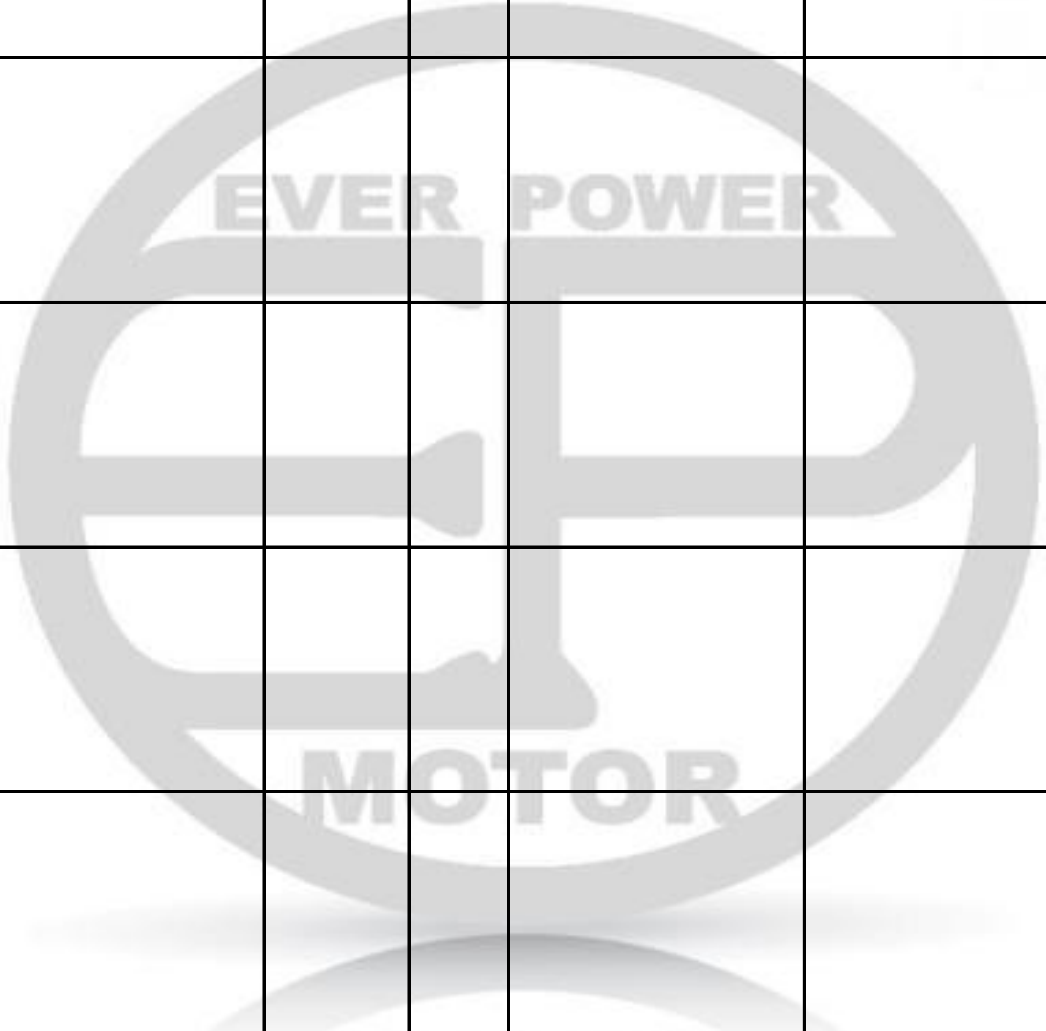
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR133006FBNNB	PF6TB-F/F(W/G)	133	6	11012-96561 11012-96565 11012-96607	phosphated	259	138	144	3.0+1.2
CR135008FNNNA	RD8-F/F(W/G)	135	8	11012-97001 11012-97025 11012-97063 11012-97077		243	152	161	8.0+1.0
CR135008FNNNA	RD8T-F/F(W/G)	135	8	11012-97001 11012-97025 11012-97063 11012-97077		243	152	161	8.0+1.0
CR135008FNNNB	RE8-F/F(W/G)	135	8	11012-97118 11012-97161 11012-97127		238	154.9	161.1	11.1+3.1
CR13500AFNNNA	RD10-F/F(W/G)	135	10	11012-97001 11012-97025 11012-97063 11012-97077		243	152	161	8.0+1.0
CR13500AFNNNA	RD10T-F/F(W/G)	135	10	11012-97001 11012-97025 11012-97063 11012-97077		243	152	161	8.0+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR13500AFNNNB	RE10-F/F(W/G)	135	10	11012-97118 11012-97161 11012-97127		238	154.9	161.1	11.1+3.1
CR138008FNNNA	RF8-F/F(W/G)	138	8	11012-97164 11012-97171		238	159	167	11.1+1.3

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNOMA	8140.07-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNOMB	8140.61-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNOMA	8140.21.200 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNOMA	8144.21.200 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNOMA	8140.47.2711 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNOMA	8140.47.2721 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SVOMB	8140.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		
CR094404SNOMA	8140.23 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOMA	8140.43 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOMA	8140.23-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOMA	8140.43-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR104006SNOMA	8060.05-S/F(W/G)	104	6	A-SU351414 K-89317190 M-007WV49		198	107	109.8	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR104006SVOMA	8060.05-S/F(O/G)	104	6	A-SU351420 K-89326190 M-007WV48		198	107		



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069604SNOLA	Y 13 DT-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNOLA	Z 13 DT-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNOLA	Z 13 DTJ-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SVOLA	Y 13 DT-S/F(O/G)	69.6	4			140	73.6		
CR069604SVOLA	Z 13 DT-S/F(O/G)	69.6	4			140	73.6		
CR069604SVOLA	Z 13 DTJ-S/F(O/G)	69.6	4			140	73.6		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SNOLA	17 TD-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	X 17 TD-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	Y 17 DT-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	Y 17 DTL-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	Z 17 DTL-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	Z 17 DTH-S/F(W/G)	79	4			144	83	87	2

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SNOLA	Y 17 DT-S/F(W/G)	79	4			144	83	87	2
CR079004SNOLA	Y 17 L-S/F(W/G)	79	4			144	83	87	2
CR079004SVOLA	17 TD-S/F(O/G)	79	4			144	83		
CR079004SVOLA	X 17 TD-S/F(O/G)	79	4			144	83		
CR079004SVOLA	Y 17 DT-S/F(O/G)	79	4			144	83		
CR079004SVOLA	Y 17 DTL-S/F(O/G)	79	4			144	83		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004SVOLA	Z 17 DTL-S/F(O/G)	79	4			144	83		
CR079004SVOLA	Z 17 DTH-S/F(O/G)	79	4			144	83		
CR079004SVOLA	Y 17 DT-S/F(O/G)	79	4			144	83		
CR079004SVOLA	Y 17 L-S/F(O/G)	79	4			144	83		
CR080004SNOLA	F9Q 780-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNOLA	F8Q 606-S/F(W/G)	80	4			154	83.05	86	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080006SNOLA	X 2.5 TD TURBO-S/F(W/G)	80	6			143	84	85	4.8
CR082004SNOLA	Z 19 DT-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNOLA	Z 19 DTL-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNOLA	Z 19 DTH-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNOLA	Z 19 DTJ-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082504SNOLA	17 D-S/F(W/G)	82.5	4	H-SU351376 K-89432190 M-011WV05		143.5	85.5	87.4	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082504SNOLA	17 DR-S/F(W/G)	82.5	4	H-SU351376 K-89432190 M-011WV05		143.5	85.5	87.4	4.5
CR082504SNOLA	17 YD-S/F(W/G)	82.5	4	H-SU351376 K-89432190 M-011WV05		143.5	85.5	87.4	4.5
CR082504SNOLA	X 17 DTL-S/F(W/G)	82.5	4	H-SU351376 K-89432190 M-011WV05		143.5	85.5	87.4	4.5
CR084004SNOLA	X 20 DTL-S/F(W/G)	84	4	A-SU351508 G-1410280000		160	87	90	4.5
CR084004SNOLA	Y 20 DTL-S/F(W/G)	84	4	A-SU351508 G-1410280000		160	87	90	4.5
CR084004SNOLA	X 20 DTH-S/F(W/G)	84	4	A-SU351508 G-1410280000		160	87	90	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SNOLB	M9R 780-S/F(W/G)	84	4			169.5	88	91	5
CR087004SNOLA	G9T 720-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNOLA	G9T 722-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNOLA	G9T 750-S/F(W/G)	87	4			162	91.05	92.5	4
CR089004SNOLA	G9U 720-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNOLA	G9U 724-S/F(W/G)	89	4			167	92.5	94	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNOLA	G9U 730-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNOLA	G9U 750-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNOLA	G9U 754-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNOLA	G9U 650-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNOLA	G9U 630-S/F(W/G)	89	4			167	92.5	94	4
CR092004SNOLA	23 D-S/F(W/G)	92	4	901 080 89 901 691 25 K-89048190 M-011WV03		172	95	97	4.55

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004SNOLA	23 YD-S/F(W/G)	92	4	901 080 89 901 691 25 K-89048190 M-011WV03		172	95	97	4.55
CR092004SNOLA	23 DTR TURBO-S/F(W/G)	92	4	901 080 89 901 691 25 K-89048190 M-011WV03		172	95	97	4.55
CR092004SNOLA	23 TD TURBO-S/F(W/G)	92	4	901 080 89 901 691 25 K-89048190 M-011WV03		172	95	97	4.55
CR092004SNOLA	23 YDT TURBO-S/F(W/G)	92	4	901 080 89 901 691 25 K-89048190 M-011WV03		172	95	97	4.55
CR092004FBOLB	VM TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2
CR093004FCOLA	4JA1-F/F(W/G)	93	4	8-94110-144-0 8-94462-130-0	chromed	156	95	101	0.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNOLA	4JA1-S/F(W/G)	93	4			156.3	98	102	4
CR094404SNOLA	S9W 700 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOLA	S9W 702 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOLA	S9W 700-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNOLA	S9W 702-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR095404SNOLA	4JX1T-S/F(W/G)	95.4	4			180	99.4	103.4	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR095404SVOLA	4JX1T-S/F(O/G)	95.4	4			177	99.4		
CR103186SNOLA	J 330-S/F(W/G)	103.18	6	7191818 A-SU497301 K-88041190 M-069WV03 G-1402114000		216.3	107.95	111.13	4.76

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091483FNPSA	AD 3.152-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091483FNPSA	AD 4.203-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091483FNPSA	D 3.152-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091483FNPSA	D 4.203-F/F(W/G)	91.48	3	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNPSA	AD 3.152-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNPSA	AD 4.203-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR091484FNPSA	D 3.152-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR091484FNPSA	D 4.203-F/F(W/G)	91.48	4	313 583 22 313 583 45 G-1402296000 K-88552110 M-043WT08		216	93.67	96.7	3.76
CR098484SNPSA	4.236-S/F(W/G)	98.48	4	K-88355190 M-043WV12		227.4	103.22	106.36	3.8+1.0
CR098484SNPSB	4.212-S/F(W/G)	98.48	4	K-88356110 K-88355190 K-88354190		227.4	103.22	106.36	3.8+1.0
CR098484SNPSB	A 4.212-S/F(W/G)	98.48	4	K-88356110 K-88355190 K-88354190		227.4	103.22	106.36	3.8+1.0
CR100004FNPSA	4.4-F/F(W/G)	100	4	A-SJ351306 G-1402538010 M-043WV43		226.5	104.26	107.45	3.88

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR100004FNPSA	1006-6-F/F(W/G)	100	4	A-SJ351306 G-1402538010 M-043WV43		226.5	104.26	107.45	3.88
CR098486SNPSA	6.354-S/F(W/G)	98.48	6	K-88355190 M-043WV12		227.4	103.22	106.36	3.8+1.0
CR100006FNPSA	4.4-F/F(W/G)	100	6	A-SJ351306 G-1402538010 M-043WV43		226.5	104.26	107.45	3.88
CR100006FNPSA	1006-6-F/F(W/G)	100	6	A-SJ351306 G-1402538010 M-043WV43		226.5	104.26	107.45	3.88

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004FNPTA	XV 3-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNPTA	XV 5-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNPTA	XV 8-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNPTB	TU 9-F/F(W/G)	70	4	M-039WN27		122	79.5	89.8	85
CR073704SNPTA	DV 4 TD-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704SNPTA	DV 4 TED-S/F(W/G)	73.7	4			137	76.78	78.7	4

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNPTA	DV 6 ATED4-S/F(W/G)	75	4			146	78	79	4
CR075004SNPTA	DV 6 TED4-S/F(W/G)	75	4			146	78	79	4
CR075004FNPTA	TU 32-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	TU 3A-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	TU 3JP-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	TU 3MC-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FNPTA	TU 3 JP L4-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	XY7-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	XY8-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004FNPTA	XYR-F/F(W/G)	75	4	K-89322110 K-89584110 M-021WN26		135.4	79.5	89.2	90
CR075004SVPTA	DV 6 ATED4-S/F(O/G)	75	4			146	78		
CR075004SVPTA	DV 6 TED4-S/F(O/G)	75	4			146	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078004FNPTA	305R-F/F(W/G)	78	4	K-89027110 M-039WN18		133.5	83	100	97.4
CR078004FNPTA	XL 5-F/F(W/G)	78	4	K-89027110 M-039WN18		133.5	83	100	97.4
CR078004FNPTA	XL 5S-F/F(W/G)	78	4	K-89027110 M-039WN18		133.5	83	100	97.4
CR078004FNPTA	XL 5TR-F/F(W/G)	78	4	K-89027110 M-039WN18		133.5	83	100	97.4
CR080004SNPTA	XUD 7-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR080004SNPTA	XUD 7TE-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNPTA	XUD 7TEY-S/F(W/G)	80	4	G-1402483000 K-89316190 M-039WV23		154	83	86	4.5
CR082204SVPTA	DW8-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVPTA	DW8 B-S/F(O/G)	82.2	4	K-89592190		154	86		
CR082204SVPTA	XUD 9AY-S/F(O/G)	82.2	4	K-89592190		154	86		
CR083004SNPTA	XUD 9-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNPTA	XUD 9A-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SNPTA	XUD 9B-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNPTA	XUD 9K-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNPTA	XUD 9Y-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004FNPTB	XU 52 C-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XJ 5 J-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 9 2 C-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FNPTB	XU 9 JA-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 5 JP-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 7 JB-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 7 JP-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 7 JP Z-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004FNPTB	XU 7 JP4-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FNPTB	XU 5S-F/F(W/G)	83	4	A-SJ4327 G-1463491000 K-89301110 M-039WN24		141	88.6	97	95.19
CR083004SVPTA	XUD 9-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVPTA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVPTA	XUD 9B-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVPTA	XUD 9K-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVPTA	XUD 9Y-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004FNPTA	XC 7-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTA	XC 6-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTA	KF 6-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTA	XM-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTB	XM 7-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR084004FNPTB	XM 7 P-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004FNPTB	XM 7 T-F/F(W/G)	84	4	G-1460667000		136.2	93	99.2	90
CR084004FNPTA	XM 7-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTA	XM 7 P-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR084004FNPTA	XM 7 T-F/F(W/G)	84	4	K-88634110 M-039WN10		135.5	92.95	99.5	90
CR085004SNPTA	DW10 ATED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTA	DW10 ATED3-S/F(W/G)	85	4			155	89.06	91	4.5

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNPTA	DW10 BTED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTA	DW10 TD-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTA	DW10 TED-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTA	RHY-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTA	RHZ-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004SNPTB	DW10 BTED4-S/F(W/G)	85	4			165	89.06	91	4.5

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNPTB	DW12 TED4-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNPTB	DW12 TED-S/F(W/G)	85	4			165	89.06	91	4.5
CR085004SNPTB	DW12 UTED-S/F(W/G)	85	4			165	89.06	91	4.5
CR088004SNPTA	TMD 4.88-S/F(W/G)	88	4	M-039WN12 K-88524110		173.1	96	106.3	7
CR088004SNPTA	XD P 4.88-S/F(W/G)	88	4	M-039WN12 K-88524110		173.1	96	106.3	7
CR088004SNPTA	XD 4.88-S/F(W/G)	88	4	M-039WN12 K-88524110		173.1	96	106.3	7

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004SNPTA	XD 88-S/F(W/G)	88	4	M-039WN12 K-88524110		173.1	96	106.3	7
CR088004FNPTB	XN 1-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNPTB	XN 2-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNPTB	XN 1P-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088004FNPTB	XN 1T-F/F(W/G)	88	4	K-88589110 M-039WN13		135.5	92.95	101.9	90
CR088006FNPTA	ZM-F/F(W/G)	88	6	M-039WN14		131.9	93.5	102.2	99.13

PEUGEOT

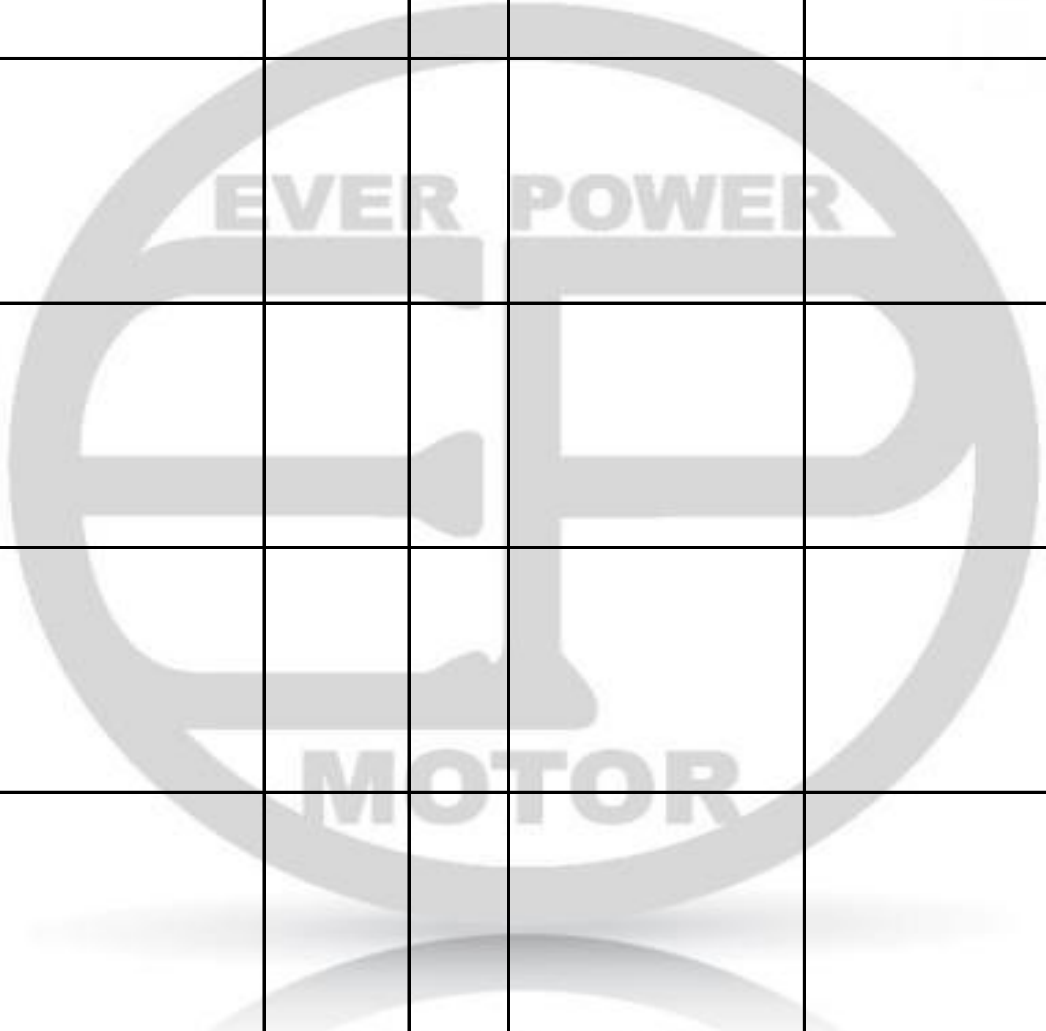
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088006FNPTA	ZNJ-F/F(W/G)	88	6	M-039WN14		131.9	93.5	102.2	99.13
CR093014SNPTA	CRD 93-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNPTA	CRD 93 L-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR093014SNPTA	U25-S/F(W/G)	93.01	4	K-89073190 M-031WV16		163	97.5	99	5
CR094004SNPTA	XD 3P-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR094004SNPTB	XD 2-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004SNPTB	XD 2P-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNPTB	XD 94-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNPTB	XD 2S TURBO-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNPTA	XD 3T TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR094004SNPTA	XD 3TE TURBO-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9
CR094404SNPTA	8140.23 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5

PEUGEOT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094404SNPTA	8140.43-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5



RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR058004FNRTA	800-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	800.01-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	800.02-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	800 05-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	800 710-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	800 705-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR058004FNRTA	A7-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR058004FNRTA	B1B 707-F/F(W/G)	58	4	K-88574110 M-021WN05		126.1	62.5	69.5	112.8
CR070004FNRTA	688.01-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR070004FNRTA	C 1 E-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR070004FNRTA	688-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR073004FNRTA	810.03-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073004FNRTA	810.25-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.01-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.02-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.03-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.05-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.10-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR073004FNRTA	810.19-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.25-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.26-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.29-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR073004FNRTA	810.99-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR074004FNRTA	C3G 700-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR074004FNRTA	C3G 702-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9
CR074004FNRTA	C3G 710-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9
CR074004FNRTA	C3G 712-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9
CR074004FNRTA	C3G 720-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9
CR074004FNRTA	C3G 750-F/F(W/G)	74	4	K-89458110 M-021WN31		135	78.6	88.2	94.9
CR075804FNRTA	E6J-F/F(W/G)	75.8	4	A-SJ4328 G-1563839000 K-89448110 M-021WN30		130	80.5	90.2	91.5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075804FNRTA	E7J-F/F(W/G)	75.8	4	A-SJ4328 G-1563839000 K-89448110 M-021WN30		130	80.5	90.2	91.5
CR076004SNRTA	K9K 702-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 710-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 724-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 752-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 760-S/F(W/G)	76	4			145	80.5	84.5	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNRTA	K9K 764-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTB	K9K 702-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 710-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 724-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 752-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 760-S/F(W/G)	76	4			143.5	79.5	81.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNRTB	K9K 764-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTA	K9K 732-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 764-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 780-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 804-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 806-S/F(W/G)	76	4			145	80.5	84.5	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNRTB	K9K 732-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 780-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 804-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 806-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTA	K9K 712-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 718-S/F(W/G)	76	4			145	80.5	84.5	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNRTA	K9K 724-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 728-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 729-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 760-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 766-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNRTA	K9K 802-S/F(W/G)	76	4			145	80.5	84.5	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SNRTB	K9K 712-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 718-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 728-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 729-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 766-S/F(W/G)	76	4			143.5	79.5	81.5	4
CR076004SNRTB	K9K 802-S/F(W/G)	76	4			143.5	79.5	81.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004FNRTC	C1J.715-F/F(W/G)	76	4	A-SJ4326 G-1563082000 K-89060110 M-021WN23		134	80.52	90.15	95
CR076004FNRTC	C2J.784-F/F(W/G)	76	4	A-SJ4326 G-1563082000 K-89060110 M-021WN23		134	80.52	90.15	95
CR077004FNRTA	C3L-F/F(W/G)	77	4	M-C18771		134	81	90.2	95
CR079004FNRTA	A1M-F/F(W/G)	79	4	K-88888110 M-021WN14		144	84	95.9	92.6
CR079004FNRTA	A2M-F/F(W/G)	79	4	K-88888110 M-021WN14		144	84	95.9	92.6
CR079004FNRTA	841-F/F(W/G)	79	4	K-88888110 M-021WN14		144	84	95.9	92.6

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079004FNRTA	841.25-F/F(W/G)	79	4	K-88888110 M-021WN14		144	84	95.9	92.6
CR079004FNRTA	841.26-F/F(W/G)	79	4	K-88888110 M-021WN14		144	84	95.9	92.6
CR080004SNRTA	F9Q 718-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 730-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 780-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 650-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F9Q 750-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 756-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 758-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 800-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 812-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 816-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F9Q 818-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 820-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F9Q 826-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8QT 610-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8QT 784-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8QT 785-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F8Q 606-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 620-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 640-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 644-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 648-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 672-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F8Q 676-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 678-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 682-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 692-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 696-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 704-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F8Q 706-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 710-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 714-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 722-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 724-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 730-S/F(W/G)	80	4			154	83.05	86	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR080004SNRTA	F8Q 742-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 764-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 630-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 632-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNRTA	F8Q 662-S/F(W/G)	80	4			154	83.05	86	5
CR084004SNRTA	M9R 740-S/F(W/G)	84	4			169.5	88	91	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR084004SNRTA	M9R 780-S/F(W/G)	84	4			169.5	88	91	5
CR086004FNRTA	J8S-F/F(W/G)	86	4	A-SJ351473 G-1400032000 K-89309110 M-021WN29		166	93.6		93.05
CR087004SNRTA	G8T 706-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 752-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 790-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 792-S/F(W/G)	87	4			160	91.55	92.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SNRTA	G8T 794-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 714-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 716-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 740-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTA	G8T 760-S/F(W/G)	87	4			160	91.55	92.5	4
CR087004SNRTB	G9T 710-S/F(W/G)	87	4			162	91.05	92.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SNRTB	G9T 720-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 722-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 750-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 700-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 702-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 703-S/F(W/G)	87	4			162	91.05	92.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SNRTB	G9T 704-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 706-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 707-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 708-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 709-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 712-S/F(W/G)	87	4			162	91.05	92.5	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087004SNRTB	G9T 742-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 743-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 744-S/F(W/G)	87	4			162	91.05	92.5	4
CR087004SNRTB	G9T 600-S/F(W/G)	87	4			162	91.05	92.5	4
CR088004FNRTA	J5R-F/F(W/G)	88	4	K-89086110 M-021WN24		140	93.55	104.2	93.08
CR088004FNRTA	J6R-F/F(W/G)	88	4	K-89086110 M-021WN24		140	93.55	104.2	93.08

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004FNRTA	J7R-F/F(W/G)	88	4	K-89086110 M-021WN24		140	93.55	104.2	93.08
CR088004FNRTB	J7T-F/F(W/G)	88	4	K-89334110 M-039WN25		148.5	93.6	104	93
CR088006FNRTA	144.01-F/F(W/G)	88	6	M-039WN14		131.9	93.5	102.2	99.13
CR089004SNRTA	G9U 720-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 724-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 730-S/F(W/G)	89	4			167	92.5	94	4

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089004SNRTA	G9U 736-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 750-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 754-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 650-S/F(W/G)	89	4			167	92.5	94	4
CR089004SNRTA	G9U 630-S/F(W/G)	89	4			167	92.5	94	4
CR093004SNRTA	8140.07-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNRTA	8140.67-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNRTB	8140.61-S/F(W/G)	93	4	03003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNRTB	8140 58U-S/F(W/G)	93	4	03003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNRTB	8 U 8140-S/F(W/G)	93	4	03003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SNRTA	8140.21.200 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNRTA	8140.21.235 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SNRTA	8140.47.2711 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNRTA	SU9.714 TURBO-S/F(W/G)	93	4	K-89319190 M-007WV46		171	96	98.9	5
CR093004SNRTB	8140.67-S/F(W/G)	93	4	03003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5
CR093004SVRTB	8140.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		
CR093004SVRTB	8140 58U-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		
CR093004SVRTB	8 U 8140-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		

RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094404SNRTA	8140.23 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNRTA	8140.43 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNRTA	S9W 700 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNRTA	S9W 702 TURBO-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNRTA	8140.43-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR094404SNRTA	S9W 700-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5

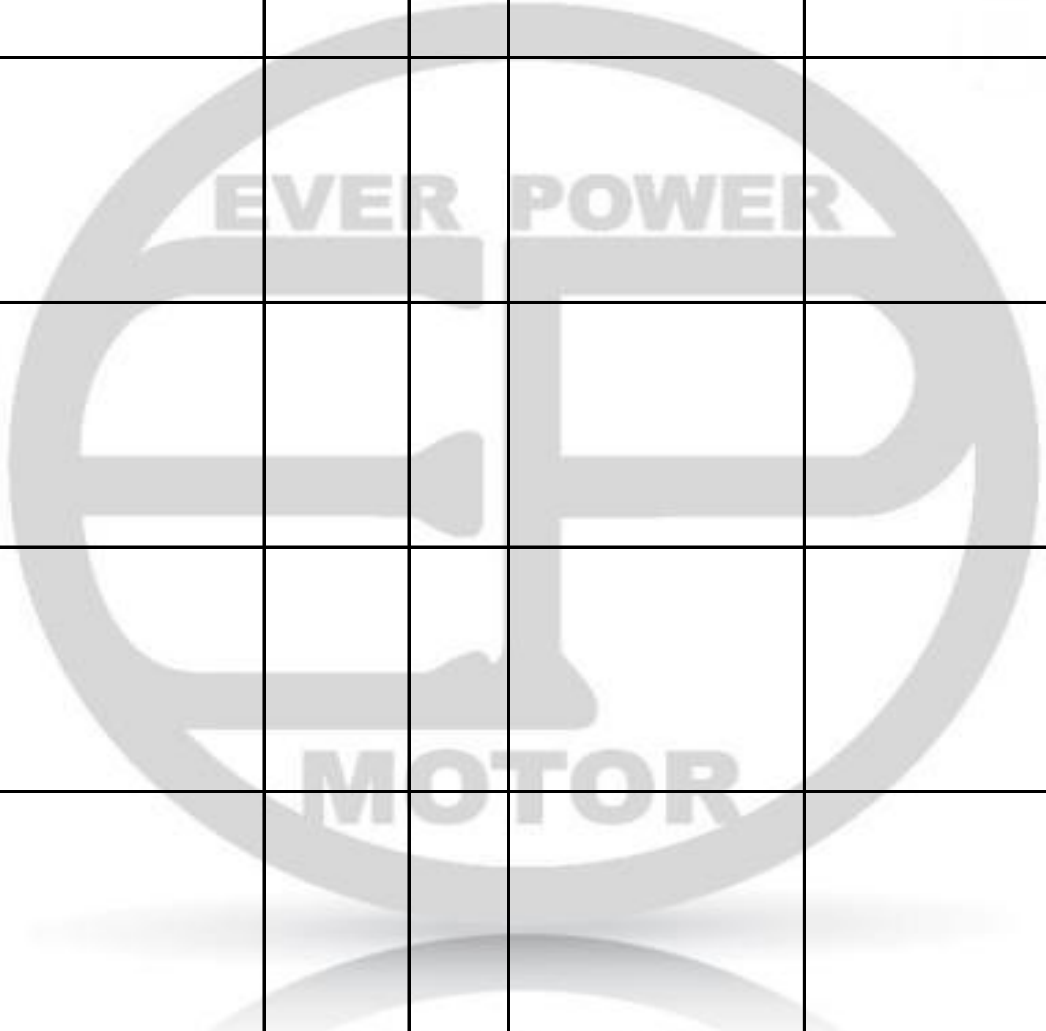
RENAULT

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094404SNRTA	S9W 702-S/F(W/G)	94.4	4	G-1402839000 K-89502190 M-007WV56		167	97.5	100.9	5
CR098484SNRTA	4.236-S/F(W/G)	98.48	4	K-88355190 M-043WV12		227.4	103.22	106.36	3.8+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FNRRRA	14 K2A-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05
CR075004FNRRRA	14 K2D-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05
CR075004FNRRRA	14 K2F-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05
CR075004FNRRRA	14 K4C-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05
CR075004FNRRRA	14 K4D-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05
CR075004FNRRRA	14 K4F-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05

ROVER

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004FNRRRA	14 K4M-F/F(W/G)	75	4	G-1471003000		129.5	84.1	87.5	50.05



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR096004FNSNB	MD30-F/F(W/G)	96	4			160	99	105	5
CR096004SNSNB	MD30-S/F(W/G)	96	4			160	99	105	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR082004SNSBA	Z 19 DT-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNSBA	Z 19 DTL-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNSBA	Z 19 DTH-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR082004SNSBA	Z 19 DTJ-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR115006FNSAA	D 8-F/F(W/G)	115	6	243817 G-1437498000 K-88402110 M-061WN01		271	130	137.3	8.0+0.7
CR115006FNSAA	DS 8-F/F(W/G)	115	6	243817 G-1437498000 K-88402110 M-061WN01		271	130	137.3	8.0+0.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNSTA	2G-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNSTA	AAV-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR079503SNSTA	AMF TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	1Z TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AFN TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AGR TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSTA	AHF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ALH TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ASV TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	1Y-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AEF-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AAZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSTA	ABL TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ARL TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ASZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AUY TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	BVK TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ANU-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSTA	ATD-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AXR-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	BJB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	BKC-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	BXE-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	BXF-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSTA	BXJ-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AGP-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AQM-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	ASY-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSTA	AYQ-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR093004SNSTA	8144.61-S/F(W/G)	93	4	3003473 4824387 7302135 G-1402256000 K-89183190		167.3	96	98.9	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR093004SVSTA	8144.61-S/F(O/G)	93	4	7301804 A-SU351407 K-89066190 M-007WV39		167	96		

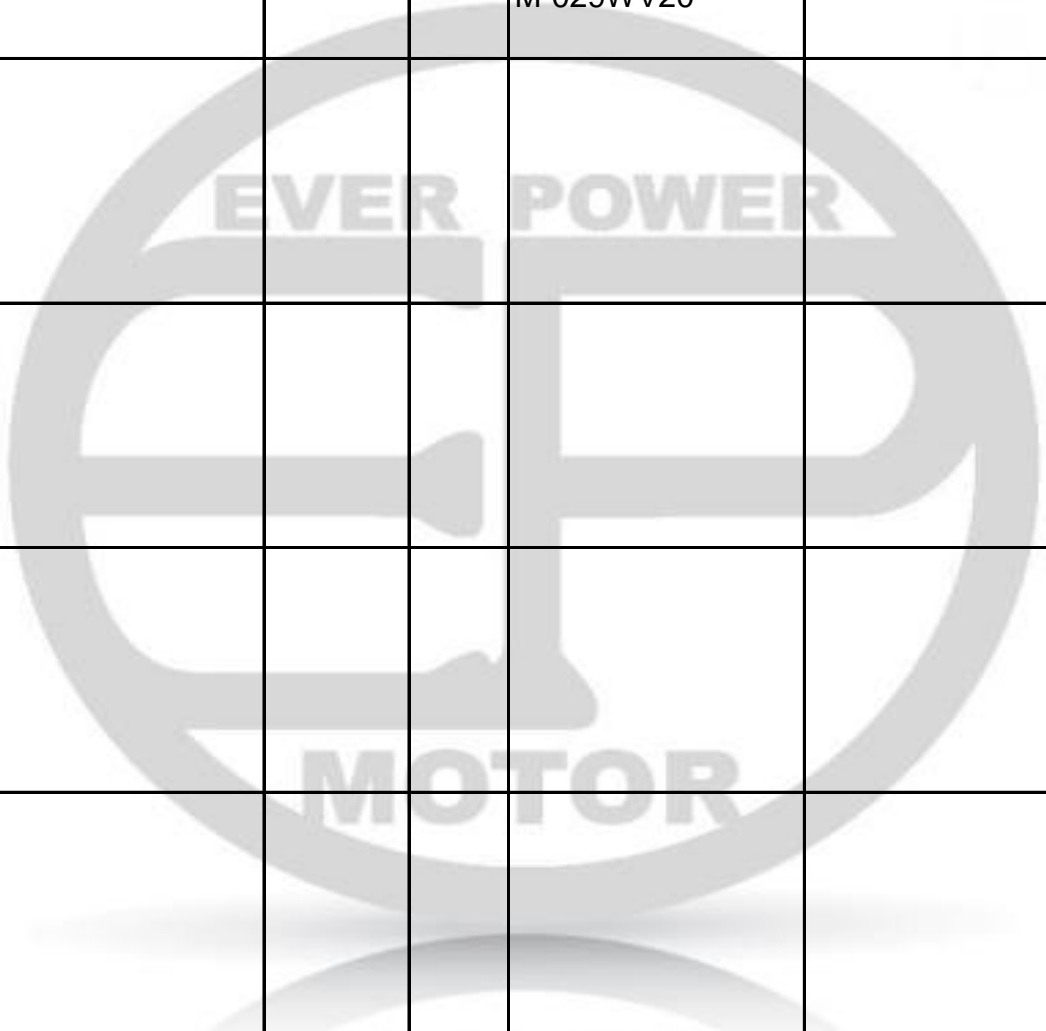
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078306SNSDA	AYM TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNSDA	BDG TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR079503SNSDA	AMF TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079503SNSDA	BMS TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079503SNSDA	BNM TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079503SNSDA	BNV TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSDA	1Z TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AFN TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AGD TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AHF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	ASV TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	1Y-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSDA	AEF-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	ASZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AWX TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	ATD-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AVB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AXR-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSDA	BJB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	BKC-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	BSW-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	BXE-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AGP-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNSDA	AQM-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNSDA	ASY-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

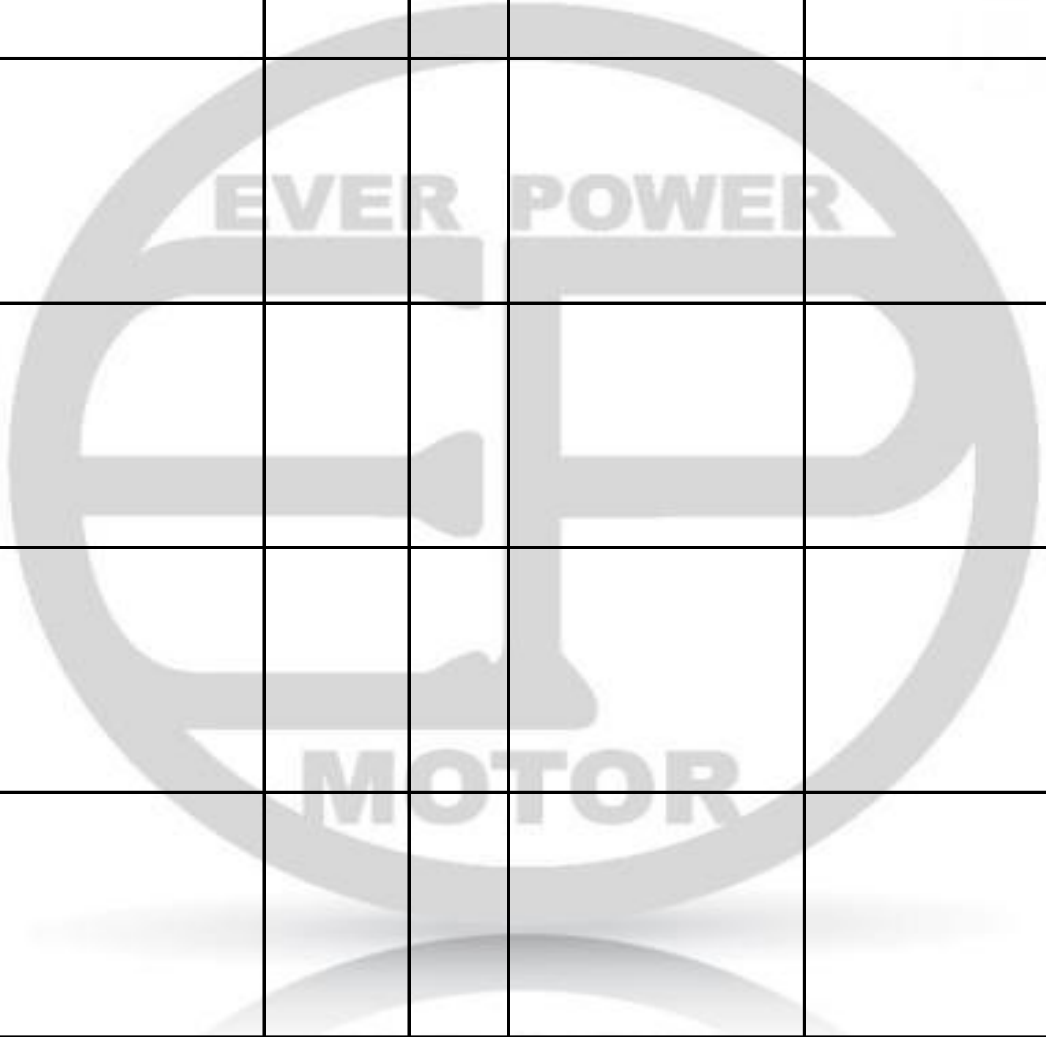


EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR086204SNSGA	D20DT-S/F(W/G)	86.2	4			163	90.2	94	3
CR086204FVSGA	D20DT-F/F(O/G)	86.2	4			163	90.2		
CR086204SVSGA	D20DT-S/F(O/G)	86.2	4			163	90.2		
CR086205SNSGA	D27DT-S/F(W/G)	86.2	5			163	90.2	94	3
CR086205FVSGA	D27DT-F/F(O/G)	86.2	5			163	90.2		
CR086205SVSGA	D27DT-S/F(O/G)	86.2	5			163	90.2		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088004FC SGB	DC 23-F/F(W/G)	88	4	K-89360110 M-629WT15	chromed-ID	163	90	95	0.9
CR089004SNSGA	OM661-S/F(W/G)	89	4	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNSGA	OM662-S/F(W/G)	89	4	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089004SNSGC	OM661-S/F(W/G)	89	4	A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089004SNSGC	OM662-S/F(W/G)	89	4	A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089005SNSGB	OM602 TURBO-S/F(W/G)	89	5	K-89456190 M-004WV14		156.5	91.5	94	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089005SNSGB	OM662 TURBO-S/F(W/G)	89	5	K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNSGB	OM661-S/F(W/G)	89	5	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNSGB	OM662-S/F(W/G)	89	5	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNSGC	OM661-S/F(W/G)	89	5	A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR089005SNSGC	OM662-S/F(W/G)	89	5	A-SU351337 G-1402638000 K-89429190 M-002WV04		156.5	91.5	96.5	4.7
CR094004SNSGA	XD 3P-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004SNSGA	XD 3T-S/F(W/G)	94	4	K-89412190 M-039WV30		165.8	97	99.5	3.9



EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076506SNSRA	NY TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR087005SNSRA	OM 602-S/F(W/G)	87	5	G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNSRA	OM 603-S/F(W/G)	87	5	G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087005SNSRB	OM 602-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087005SNSRB	OM 603-S/F(W/G)	87	5	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNSRA	OM 602-S/F(W/G)	87	6	G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR087006SNSRA	OM 603-S/F(W/G)	87	6	G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNSRB	OM 602-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNSRB	OM 603-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR087006SNSRA	OM 606 TURBO-S/F(W/G)	87	6	G-1402624000 K-89193190 M-001WV09		148.6	90	92.6	4.7
CR087006SNSRB	OM 606 TURBO-S/F(W/G)	87	6	M-001WV13		148.6	90.3	92.6	4.7
CR088506SNSRA	M103-S/F(W/G)	88.5	6	K-89506190		133	91.5	93.6	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR089005SNSRA	OM 602 TURBO-S/F(W/G)	89	5	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR089005SNSRA	OM 602-S/F(W/G)	89	5	G-1402721000 K-89456190 M-004WV14		156.5	91.5	94	4.7
CR090904SNSRA	OM 616-S/F(W/G)	90.9	4	616 011 03 10 616 011 05 10 616 011 06 10 616 011 07 10 616 011 08 10		158.4	94	96	4.7
CR090904SNSRB	OM 616-S/F(W/G)	90.9	4	M-001WV19		158.4	94.6	96.5	4.8
CR095504SNSRA	M102-S/F(W/G)	95.5	4	K-89508190		147	98.5	100.3	4.7

SUBARU

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR056004SVSUA	EN07-S/F(O/G)	56	4			107.5	59		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR062003SVSIA	F5A-S/F(O/G)	62	3			120	66		
CR062004SVSIA	F8A-S/F(O/G)	62	4			120	66		
CR065504SVSIA	F10A-S/F(O/G)	65.5	4			125	69.5		
CR068503SVSIA	F8B-S/F(O/G)	68.5	3			160	72.5		
CR069604SNSIA	Z 13 DT-S/F(W/G)	69.6	4			140	73.6	76.6	3
CR069604SNSIA	D13A-S/F(W/G)	69.6	4			140	73.6	76.6	3

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR069604FVSIA	Z 13 DT-F/F(O/G)	69.6	4			140	73.6		
CR069604FVSIA	D13A-F/F(O/G)	69.6	4			140	73.6		
CR069604SVSIA	Z 13 DT-S/F(O/G)	69.6	4			140	73.6		
CR069604SVSIA	D13A-S/F(O/G)	69.6	4			140	73.6		
CR074003SVSIA	G10-S/F(O/G)	74	3			140	78		
CR074003SVSIA	G10A-S/F(O/G)	74	3			140	78		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR074003SVSIA	G10T-S/F(O/G)	74	3			140	78		
CR074004SVSIA	G13-S/F(O/G)	74	4			140	78		
CR074004SVSIA	G13A-S/F(O/G)	74	4			140	78		
CR074004SVSIA	G13B-S/F(O/G)	74	4			140	78		
CR074004SVSIA	G13BB-S/F(O/G)	74	4			140	78		
CR075004SVSIA	G16-S/F(O/G)	75	4			138	79		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SVSIA	G16A-S/F(O/G)	75	4			138	79		
CR075004SVSIA	G16B-S/F(O/G)	75	4			138	79		
CR076004SNSIA	K9K 700-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004SNSIA	K9K 766-S/F(W/G)	76	4			145	80.5	84.5	5
CR076004FVSIA	K9K 700-F/F(O/G)	76	4			140	80.5		
CR076004FVSIA	K9K 766-F/F(O/G)	76	4			140	80.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076004SVSIA	K9K 700-S/F(O/G)	76	4			140	80.5		
CR076004SVSIA	K9K 766-S/F(O/G)	76	4			140	80.5		
CR078006SVSIA	H20A-S/F(O/G)	78	6			110	82		
CR082004SNSIA	D19AA-S/F(W/G)	82	4	G-1402896000		155	85	88	4.5
CR083004SNSIA	XUD 9A-S/F(W/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86	89	4.8
CR083004SNSIA	XUD 9SE-S/F(W/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86	89	4.8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004FVSIA	XUD 9A-F/F(O/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86		
CR083004FVSIA	XUD 9SE-F/F(O/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86		
CR083004SVSIA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86		
CR083004SVSIA	XUD 9SE-S/F(O/G)	83	4	K-89184190 M-039WV21 M-039WV32		153.5	86		
CR084004SVSIA	J20A-S/F(O/G)	84	4			135	88		
CR084006SVSIA	H25A-S/F(O/G)	84	6			135	88		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085004SNSIA	RHZ-S/F(W/G)	85	4			155	89.06	91	4.5
CR085004FVSIA	RHZ-F/F(O/G)	85	4			155	89.06		
CR085004SVSIA	RHZ-S/F(O/G)	85	4			155	89.06		
CR088006SVSIA	H27A-S/F(O/G)	88	6			138	92		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004FNNTTA	XV5-F/F(W/G)	70	4	K-88651110 M-039WN01		122	77	83.3	84.9
CR070004FNNTTB	TU 9-F/F(W/G)	70	4	M-039WN27		122	79.5	89.8	85
CR083004SNNTTA	7 CV-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNNTTA	XUD 9-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SNNTTA	XUD 9A-S/F(W/G)	83	4	M-039WV32		153.5	86	89	4.8
CR083004SVTTA	7 CV-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR083004SVTTA	XUD 9-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR083004SVTTA	XUD 9A-S/F(O/G)	83	4	K-89184190 M-039WV21		153.5	86		
CR094004SNTTA	XD 2-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNTTA	9 U8 2S TURBO-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9
CR094004SNTTA	9 XD 2S TURBO-S/F(W/G)	94	4	K-89033190 M-039WV16		170.6	97	99.5	3.9

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR070504SVTAA	1E-S/F(O/G)	70.5	4			132	74.5		
CR070504SVTAA	1E-L-S/F(O/G)	70.5	4			132	74.5		
CR072004SVTAA	2K-S/F(O/G)	72	4			122.2	76		
CR073004SNTAA	1ND-TV-S/F(W/G)	73	4			132	77	80	5
CR073004FVTAA	1ND-TV-F/F(O/G)	73	4			132	77		
CR073004SVTAA	1ND-TV-S/F(O/G)	73	4			132	77		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR073004SVTAB	2E-S/F(O/G)	73	4	11461-11030 11461-11050		132	77		
CR073004SVTAB	3E-S/F(O/G)	73	4	11461-11030 11461-11050		132	77		
CR073004SVTAB	3E-E-S/F(O/G)	73	4	11461-11030 11461-11050		132	77		
CR073704SNTAA	2WZ-TV-S/F(W/G)	73.7	4			137	76.78	78.7	4
CR073704FVTAA	2WZ-TV-F/F(O/G)	73.7	4			137	76.78		
CR073704SVTAA	2WZ-TV-S/F(O/G)	73.7	4			137	76.78		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR074004SNTAA	1N-S/F(W/G)	74	4			133	78	82	2.5
CR074004FVTAA	1N -F/F(O/G)	74	4			133	78		
CR074004SVTAA	1N -S/F(O/G)	74	4			133	78		
CR074004SVTAB	4E-FE-S/F(O/G)	74	4	11461-11040		140	78		
CR074004SVTAB	5E-FE-S/F(O/G)	74	4	11461-11040		140	78		
CR075004SVTAA	3K-S/F(O/G)	75	4	11461-24010		122	79		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR075004SVTAA	3K-H(J)-S/F(O/G)	75	4	11461-24010		122	79		
CR075004SVTAA	4K-S/F(O/G)	75	4	11461-24010		122	79		
CR075004SVTAA	4K-C(J)-S/F(O/G)	75	4	11461-24010		122	79		
CR075004SVTAB	4K-S/F(O/G)	75	4			140	79		
CR075004SVTAB	4K-E-S/F(O/G)	75	4			140	79		
CR075004SVTAB	4K-U-S/F(O/G)	75	4			140	79		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR075004SVTAB	1NZ-FE-S/F(O/G)	75	4			140	79		
CR075004SVTAB	2NZ-FE-S/F(O/G)	75	4			140	79		
CR075004SVTAB	1NZ-FE III-S/F(O/G)	75	4			140	79		
CR075004SVTAB	1NZ-FXE-S/F(O/G)	75	4			140	79		
CR075006SVTAA	1G-E-S/F(O/G)	75	6			140	79		
CR075006SVTAA	1G-GZE-S/F(O/G)	75	6			140	79		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR075006SVTAA	1G-FE-S/F(O/G)	75	6			140	79		
CR075006SVTAA	1G-GEU-S/F(O/G)	75	6			140	79		
CR076604SVTAA	3P-S/F(O/G)	76.6	4	11462-23010		137	81		
CR076604SVTAB	4P-S/F(O/G)	76.6	4			163	81		
CR077504SVTAA	1A-S/F(O/G)	77.5	4	11461-15010		140	81.5		
CR077504SVTAA	1A-C-S/F(O/G)	77.5	4	11461-15010		140	81.5		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR077504SVTAA	1A-U-S/F(O/G)	77.5	4	11461-15010		140	81.5		
CR077504SVTAA	3A-S/F(O/G)	77.5	4	11461-15010		140	81.5		
CR078004SVTAA	2R-S/F(O/G)	78	4			144	82		
CR078704SVTAA	5A-F-S/F(O/G)	78.7	4	11461-15040		140	82.7		
CR078704SVTAA	5A-FE-S/F(O/G)	78.7	4	11461-15040		140	82.7		
CR079004SVTAA	1ZZ-FE-S/F(O/G)	79	4			155	83		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR079004SVTAA	3ZZ-FE-S/F(O/G)	79	4			155	83		
CR079004SVTAA	4ZZ-FE-S/F(O/G)	79	4			155	83		
CR080504SVTAA	12R-S/F(O/G)	80.5	4	11461-13040 11461-31020 11462-31020		146	84.5		
CR080504SVTAA	5K-S/F(O/G)	80.5	4	11461-13040 11461-31020 11462-31020		146	84.5		
CR080504SVTAC	7K-S/F(O/G)	80.5	4	11461-13060		165	84.5		
CR080504SVTAD	1S-S/F(O/G)	80.5	4			170	84.5		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR080504SVTAD	1S-L-S/F(O/G)	80.5	4			170	84.5		
CR080504SVTAD	1S-U-S/F(O/G)	80.5	4			170	84.5		
CR080504SVTAC	3ZR-FE-S/F(O/G)	80.5	4	11461-13060		165	84.5		
CR080504SVTAC	3ZR-FAE-S/F(O/G)	80.5	4	11461-13060		165	84.5		
CR080504SVTAC	3ZR-FBE-S/F(O/G)	80.5	4	11461-13060		165	84.5		
CR081004SVTAA	4A-C-S/F(O/G)	81	4	11461-16010		150	85		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR081004SVTAA	4A-LC-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-GE-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-GEL-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-GEC-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-GELC-S/F(O/G)	81	4	11461-16010		150	85		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR081004SVTAA	4A-F-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-FE-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-GEU-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	7A-FE-S/F(O/G)	81	4	11461-16010		150	85		
CR081004SVTAA	4A-L-S/F(O/G)	81	4	11461-16010		150	85		
CR082204SNTAA	1WZ-S/F(W/G)	82.2	4			154	86	88	4

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR082204SNTAB	1CD-FTV-S/F(W/G)	82.2	4			151	86.2	88.2	5
CR082204FVTAA	1WZ-F/F(O/G)	82.2	4			154	86		
CR082204FVTAB	1CD-FTV-F/F(O/G)	82.2	4			151	86.2		
CR082204SVTAA	1WZ-S/F(O/G)	82.2	4			154	86		
CR082204SVTAB	1CD-FTV-S/F(O/G)	82.2	4			151	86.2		
CR083004SNTAA	1C-S/F(W/G)	83	4	11461-64011		152	86	88	5

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR083004SNTAA	1C-TL-S/F(W/G)	83	4	11461-64011		152	86	88	5
CR083004FVTAA	1C-F/F(O/G)	83	4	11461-64011		144	87		
CR083004FVTAA	1C-TL-F/F(O/G)	83	4	11461-64011		144	87		
CR083004SVTAA	1C-S/F(O/G)	83	4	11461-64011		144	87		
CR083004SVTAA	1C-TL-S/F(O/G)	83	4	11461-64011		144	87		
CR084004SVTAA	21R-S/F(O/G)	84	4			150	88		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR084004SVTAA	21R-C-S/F(O/G)	84	4			150	88		
CR085004SVTAA	2T-S/F(O/G)	85	4	11461-25010 11461-28010		150	89		
CR085004SVTAA	3T-S/F(O/G)	85	4	11461-25010 11461-28010		150	89		
CR085004SVTAA	2T-B-S/F(O/G)	85	4	11461-25010 11461-28010		150	89		
CR085004SVTAA	2T-C-S/F(O/G)	85	4	11461-25010 11461-28010		150	89		
CR085004SVTAA	13T-S/F(O/G)	85	4	11461-25010 11461-28010		150	89		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SNTAB	2C-S/F(W/G)	86	4	11461-64090		151	89.2	91	4.8
CR086004SNTAB	2CT-S/F(W/G)	86	4	11461-64090		151	89.2	91	4.8
CR086004SNTAB	2CT-L-S/F(W/G)	86	4	11461-64090		151	89.2	91	4.8
CR086004SNTAB	3C-TE-S/F(W/G)	86	4	11461-64090		151	89.2	91	4.8
CR086004SNTAA	2AD-FTV-S/F(W/G)	86	4			160	90	94	3
CR086004SNTAC	1DZ-S/F(W/G)	86	4	11461-78200-71 11461-78201-71		180	90	93	5

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SNTAA	2AD-FHV-S/F(W/G)	86	4			160	90	94	3
CR086004SNTAA	1AD-FTV-S/F(W/G)	86	4			160	90	94	3
CR086004SNTAB	2CE-S/F(W/G)	86	4	11461-64090		151	89.2	91	4.8
CR086004FVTAB	2C -F/F(O/G)	86	4	11461-64090		150	90		
CR086004FVTAB	2CT-F/F(O/G)	86	4	11461-64090		150	90		
CR086004FVTAB	2CT-L-F/F(O/G)	86	4	11461-64090		150	90		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004FVTAB	3C-TE-F/F(O/G)	86	4	11461-64090		150	90		
CR086004FVTAA	2AD-FTV-F/F(O/G)	86	4			160	90		
CR086004FVTAC	1DZ-F/F(O/G)	86	4	11461-78200-71 11461-78201-71		175	90		
CR086004FVTAA	2AD-FHV-F/F(O/G)	86	4			160	90		
CR086004FVTAA	1AD-FTV-F/F(O/G)	86	4			160	90		
CR086004FVTAB	2CE-F/F(O/G)	86	4	11461-64090		150	90		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SVTAB	2C -S/F(O/G)	86	4	11461-64090		150	90		
CR086004SVTAB	2CT-S/F(O/G)	86	4	11461-64090		150	90		
CR086004SVTAB	2CT-L-S/F(O/G)	86	4	11461-64090		150	90		
CR086004SVTAB	3C-TE-S/F(O/G)	86	4	11461-64090		150	90		
CR086004SVTAA	2AD-FTV-S/F(O/G)	86	4			160	90		
CR086004SVTAC	1DZ-S/F(O/G)	86	4	11461-78200-71 11461-78201-71		175	90		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SVTAA	2AD-FHV-S/F(O/G)	86	4			160	90		
CR086004SVTAA	1AD-FTV-S/F(O/G)	86	4			160	90		
CR086004SVTAB	2CE-S/F(O/G)	86	4	11461-64090		150	90		
CR086004SVTAD	1Y-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAD	2Y-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAD	2Y-C-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SVTAD	3Y-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAD	3Y-EC-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAF	3S-FE-S/F(O/G)	86	4	11461-61030		177.8	90		
CR086004SVTAF	3S-GELU-S/F(O/G)	86	4	11461-61030		177.8	90		
CR086004SVTAG	1RZ-S/F(O/G)	86	4	11461-75010		170	89.5		
CR086004SVTAF	3S-GEL-S/F(O/G)	86	4	11461-61030		177.8	90		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SVTAF	3S-GELC-S/F(O/G)	86	4	11461-61030		177.8	90		
CR086004SVTAF	3S-GE-S/F(O/G)	86	4	11461-61030		177.8	90		
CR086004SVTAD	3Y-C-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAD	1AZ-FE-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		
CR086004SVTAF	1TR-FE-S/F(O/G)	86	4	11461-61030		177.8	90		
CR086004SVTAD	1AZ-FSE-S/F(O/G)	86	4	11461-71010 11461-73010 11462-72010		144	90		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR086004SVTAF	3S-GTE-S/F(O/G)	86	4	11461-61030		177.8	90		
CR087506SVTAA	3VZ-FE-S/F(O/G)	87.5	6			150	91.5		
CR087506SVTAA	3VZ-E-S/F(O/G)	87.5	6			150	91.5		
CR088004FNTAA	2J-F/F(W/G)	88	4	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0
CR088004FNTAA	J-F/F(W/G)	88	4	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0
CR088004SNTAA	2J-S/F(W/G)	88	4	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR088004SNTAA	J-S/F(W/G)	88	4	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0
CR088004SVTAA	5R-S/F(O/G)	88	4	11461-44020		150	92		
CR088006FNTAA	H-F/F(W/G)	88	6	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0
CR088006SNTAA	H-S/F(W/G)	88	6	11461-47011 11461-48010 11461-48011		183.5	93	97.8	2.5+1.0
CR088504SVTAA	18R-S/F(O/G)	88.5	4			150	92.5		
CR088504SVTAA	20R-S/F(O/G)	88.5	4			150	92.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR088504SVTAA	20R-S/F(O/G)	88.5	4			150	92.5		
CR088504SVTAB	2AZ-FE-S/F(O/G)	88.5	4			200	92.5		
CR090004FNTAA	L LN30-F/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2
CR090004FNTAA	L LN40-F/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2
CR090004FNTAA	L LN50-F/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2
CR090004SNTAA	L LN30-S/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR090004SNTAA	L LN40-S/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2
CR090004SNTAA	L LN50-S/F(W/G)	90	4	11461-54010		160.5	94	100.8	3.5+1.2
CR090006SVTAA	F-S/F(O/G)	90	6	11462-60010		187	94		
CR091004SVTAA	4Y-S/F(O/G)	91	4	11461-73030		164.5	95		
CR091004SVTAA	4Y-EC-S/F(O/G)	91	4	11461-73030		164.5	95		
CR091006FNTAA	2H-F/F(W/G)	91	6	11461-68010		183.5	95	100.8	2.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR091006FNTAA	12HT-F/F(W/G)	91	6	11461-68010		183.5	95	100.8	2.5+1.0
CR091006SNTAA	2H-S/F(W/G)	91	6	11461-68010		183.5	95	100.8	2.5+1.0
CR091006SNTAA	12HT-S/F(W/G)	91	6	11461-68010		183.5	95	100.8	2.5+1.0
CR092004FNTAA	2L-F/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004FNTAA	2LT-F/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004FNTAA	2L II-F/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR092004FNTAA	2L New-F/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004FNTAA	2LIIT-F/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004SNTAA	2L-S/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004SNTAA	2LT-S/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004SNTAA	2L II-S/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004SNTAA	2L New-S/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR092004SNTAA	2LIIT-S/F(W/G)	92	4	11461-54030 11461-54060		160.5	96	100.7	3.5+1.0
CR092004SNTAB	2KD-FTV-S/F(W/G)	92	4	11461-30031		170	96	101	4.5
CR092004FVTAA	2L-F/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004FVTAA	2LT-F/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004FVTAA	2L II-F/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004FVTAA	2L New-F/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR092004FVTAA	2LIIT-F/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004FVTAB	2KD-FTV-F/F(O/G)	92	4	11461-30031		165	96		
CR092004SVTAA	2L-S/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004SVTAA	2LT-S/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004SVTAA	2L II-S/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004SVTAA	2L New-S/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR092004SVTAA	2LIIT-S/F(O/G)	92	4	11461-54030 11461-54060		160.5	96		
CR092004SVTAB	2KD-FTV-S/F(O/G)	92	4	11461-30031		165	96		
CR091904SVTAA	22R-S/F(O/G)	92	4	11461-35020		160	96		
CR091904SVTAA	22R-E-S/F(O/G)	92	4	11461-35020		160	96		
CR091904SVTAA	22R-EC-S/F(O/G)	92	4	11461-35020		160	96		
CR091904SVTAA	22R-TEC-S/F(O/G)	92	4	11461-35020		160	96		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR093004SVTAA	5P-S/F(O/G)	93	4			170	97		
CR093506SVTAA	5VZ-FE-S/F(O/G)	93.5	6			150	97.5		
CR094005SNTAA	1PZ-S/F(W/G)	94	5	11461-17010		168	98	113	2.5
CR094005FVTAA	1PZ-F/F(O/G)	94	5	11461-17010		166.5	98		
CR094005SVTAA	1PZ-S/F(O/G)	94	5	11461-17010		166.5	98		
CR094006SNTAA	1HZ-S/F(W/G)	94	6	11461-17010		168	98	103	2.5

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR094006SNTAA	1HD-T-S/F(W/G)	94	6	11461-17010		168	98	103	2.5
CR094006SNTAA	1HD-FT-S/F(W/G)	94	6	11461-17010		168	98	103	2.5
CR094006SNTAA	1HZ-T-S/F(W/G)	94	6	11461-17010		168	98	103	2.5
CR094006SNTAA	1HD-FTE-S/F(W/G)	94	6	11461-17010		168	98	103	2.5
CR094006FVTAA	1HZ-F/F(O/G)	94	6	11461-17010		168	98		
CR094006FVTAA	1HD-T -F/F(O/G)	94	6	11461-17010		168	98		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR094006FVTAA	1HD-FT -F/F(O/G)	94	6	11461-17010		168	98		
CR094006FVTAA	1HZ-T-F/F(O/G)	94	6	11461-17010		168	98		
CR094006FVTAA	1HD-FTE -F/F(O/G)	94	6	11461-17010		168	98		
CR094006SVTAA	1HZ-S/F(O/G)	94	6	11461-17010		168	98		
CR094006SVTAA	1HD-T -S/F(O/G)	94	6	11461-17010		168	98		
CR094006SVTAA	1HD-FT -S/F(O/G)	94	6	11461-17010		168	98		

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR094006SVTAA	1HZ-T-S/F(O/G)	94	6	11461-17010		168	98		
CR094006SVTAA	1HD-FTE -S/F(O/G)	94	6	11461-17010		168	98		
CR094006SVTAB	2F-S/F(O/G)	94	6	11461-61010		191	98		
CR094006SVTAB	3F-S/F(O/G)	94	6	11461-61010		191	98		
CR095004FNTAA	B(4)/BU15-F/F(W/G)	95	4	11461-56010		190	100	107.6	2.5+1.0
CR095004FNTAB	B(3)-F/F(W/G)	95	4	11461-56020		190	102	107.6	2.5+1.0

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR095004FNTAB	B(3) New-F/F(W/G)	95	4	11461-56020		190	102	107.6	2.5+1.0
CR095004FNTAC	11B-F/F(W/G)	95	4	11461-56030 11462-56060		191	99	104.6	2.5+1.0
CR095004SNTAA	B(4)/BU15-S/F(W/G)	95	4	11461-56010		190	100	107.6	2.5+1.0
CR095004SNTAB	B(3)/BU30-S/F(W/G)	95	4	11461-56020		190	102	107.6	2.5+1.0
CR095004SNTAB	B(3)/BU30 New-S/F(W/G)	95	4	11461-56020		190	102	107.6	2.5+1.0
CR095004SNTAC	11B-S/F(W/G)	95	4	11461-56030 11462-56060		191	99	104.6	2.5+1.0

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR095004FVTAC	11B-F/F(O/G)	95	4	11461-56030 11462-56060		192	99		
CR095004SVTAC	11B-S/F(O/G)	95	4	11461-56030 11462-56060		192	99		
CR095004SVTAA	3RZ-FE-S/F(O/G)	95	4			177.8	99		
CR095004SVTAA	2TR-FE-S/F(O/G)	95	4			177.8	99		
CR095004SVTAA	3RZ-F-S/F(O/G)	95	4			177.8	99		
CR096004FNTAA	3L-F/F(W/G)	96	4	11461-54090 11461-54100		190	100	107.6	2.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR096004FNTAB	1Z-F/F(W/G)	96	4	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8
CR096004FNTAC	1KZ-TE-F/F(W/G)	96	4			170	99	105	5
CR096004SNTAA	3L-S/F(W/G)	96	4	11461-54090 11461-54100		190	100	107.6	2.5+1.0
CR096004SNTAB	1Z-S/F(W/G)	96	4	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8
CR096004SNTAC	1KZ-TE-S/F(W/G)	96	4			170	99	105	5
CR096004SNTAD	1KD-FTV-S/F(W/G)	96	4			170	99	105	5

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR096004FVTAA	3L-F/F(O/G)	96	4	11461-54090 11461-54100		190	100		
CR096004FVTAD	1KD-FTV-F/F(O/G)	96	4			170	99		
CR096004SVTAA	3L-S/F(O/G)	96	4	11461-54090 11461-54100		190	100		
CR096004SVTAD	1KD-FTV-S/F(O/G)	96	4			170	99		
CR096006FNTAA	11Z-F/F(W/G)	96	6	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8
CR096006FNTAA	12Z-F/F(W/G)	96	6	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR096006SNTAA	11Z-S/F(W/G)	96	6	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8
CR096006SNTAA	12Z-S/F(W/G)	96	6	11461-78300-71 11461-78301-71 11461-78360-71		182.5	100	105.8	8
CR097004SNTAA	OM 314-S/F(W/G)	97	4	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097004SNTAB	OM 314-S/F(W/G)	97	4	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2
CR097006SNTAA	OM 314-S/F(W/G)	97	6	352 011 16 10 A-SU351281 G-1402580000 K-89177190 M-004WV09		222	100.4	103.5	5.2
CR097006SNTAB	OM 314-S/F(W/G)	97	6	352 011 18 10 G-1402580100 K-89178190 M-004WV08		222	101	104	5.2

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR098004FNTAA	2B-F/F(W/G)	98	4	11461-57010		190	102	107.6	2.5+1.0
CR098004FNTAB	2Z-F/F(W/G)	98	4	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098004FNTAB	3Z-F/F(W/G)	98	4	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098004SNTAA	2B-S/F(W/G)	98	4	11461-57010		190	102	107.6	2.5+1.0
CR098004SNTAB	2Z-S/F(W/G)	98	4	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098004SNTAB	3Z-S/F(W/G)	98	4	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR098006FNTAA	13Z-F/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098006FNTAA	14Z-F/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098006FNTAA	15Z-F/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098006SNTAA	13Z-S/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098006SNTAA	14Z-S/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5
CR098006SNTAA	15Z-S/F(W/G)	98	6	11461-78400-71 11461-78700-71 11461-78701-71		181.5	101	106.8	5

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR099504SNTAA	5L-S/F(W/G)	99.5	4	11461-54120		155	103.5	106.5	4
CR099504SNTAA	5L-E-S/F(W/G)	99.5	4	11461-54120		155	103.5	106.5	4
CR099504FVTAA	5L-F/F(O/G)	99.5	4	11461-54120		155	103.5		
CR099504FVTAA	5L-E-F/F(O/G)	99.5	4	11461-54120		155	103.5		
CR099504SVTAA	5L-S/F(O/G)	99.5	4	11461-54120		155	103.5		
CR099504SVTAA	5L-E-S/F(O/G)	99.5	4	11461-54120		155	103.5		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR102004FNTAA	3B-F/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0
CR102004FNTAA	13B-F/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0
CR102004FNTAA	13BT-F/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0
CR102004FNTAA	14B-F/F(W/G)	102	4	11461-58010 11461-58020 11461-58040		187.5	106	111.7	2.5+1.0
CR102004FNTAA	14BT-F/F(W/G)	102	4	11461-58010 11461-58020 11461-58040		187.5	106	111.7	2.5+1.0
CR102004SNTAA	3B-S/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR102004SNTAA	13B-S/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0
CR102004SNTAA	13BT-S/F(W/G)	102	4	11461-58010 11461-58020		187.5	106	111.7	2.5+1.0
CR102004SNTAA	14B-S/F(W/G)	102	4	11461-58010 11461-58020 11461-58040		187.5	106	111.7	2.5+1.0
CR102004SNTAA	14BT-S/F(W/G)	102	4	11461-58010 11461-58020 11461-58040		187.5	106	111.7	2.5+1.0
CR102004FVTAA	14B-F/F(O/G)	102	4	11461-58010 11461-58020 11461-58040		197	106		
CR102004FVTAA	14BT-F/F(O/G)	102	4	11461-58010 11461-58020 11461-58040		197	106		

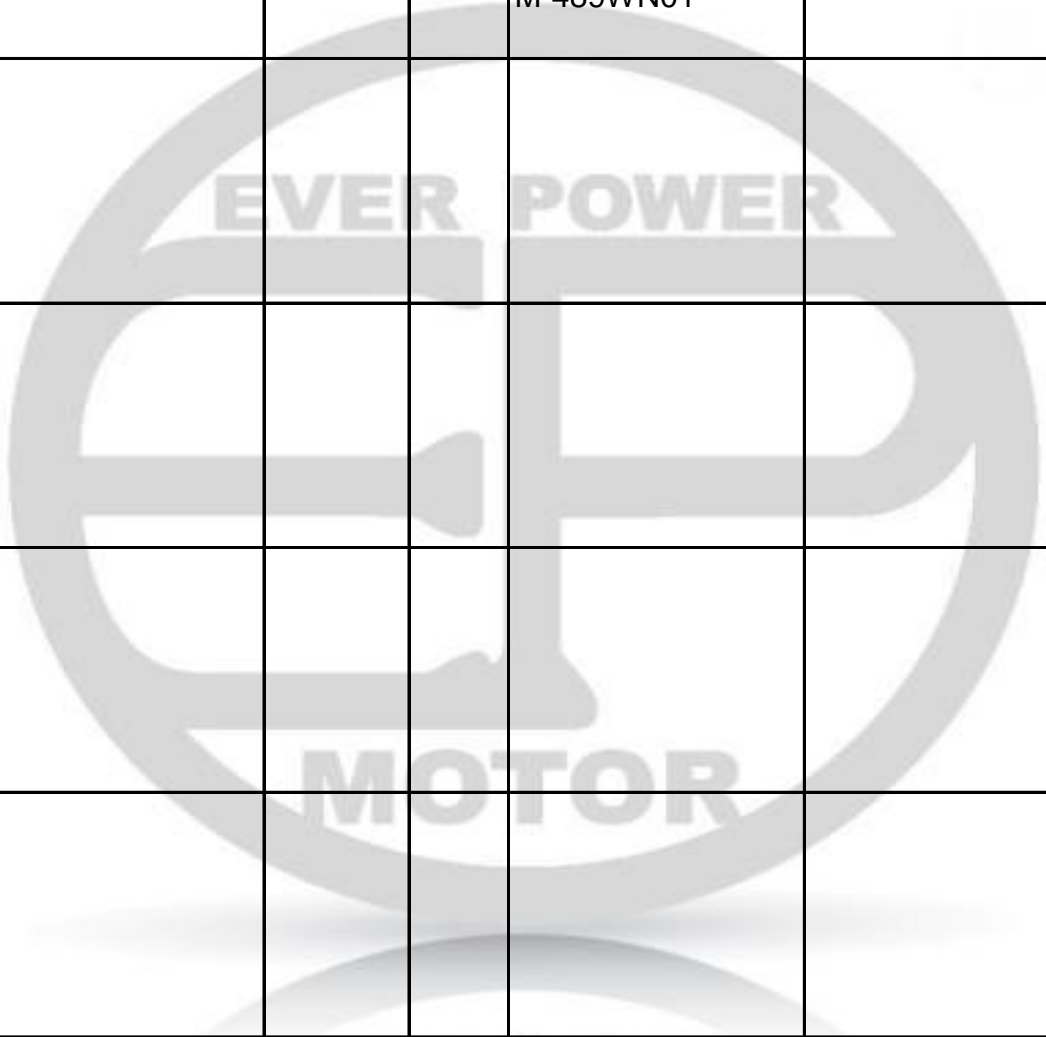
EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR102004SVTAA	14B-S/F(O/G)	102	4	11461-58010 11461-58020 11461-58040		197	106		
CR102004SVTAA	14BT-S/F(O/G)	102	4	11461-58010 11461-58020 11461-58040		197	106		
CR104004FBTAB	1W -F/F(W/G)	104	4	11461-78020 11461-78030 11461-78040 11461-78050	phosphated	201	107	112	8.0+0.9
CR104004FBTAA	W04D-F/F(W/G)	104	4	11461-78021 11461-78031 11461-78051	phosphated	200	107	112	8
CR104004FBTAA	N04C-F/F(W/G)	104	4	11461-78021 11461-78031 11461-78051	phosphated	200	107	112	8
CR104004FBTAA	N04CT-F/F(W/G)	104	4	11461-78021 11461-78031 11461-78051	phosphated	200	107	112	8

TOYOTA

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR105006FNTAA	2D(5)/2D(O)-F/F(W/G)	105	6	11461-77015 11461-77040		242	115.5	120	10
CR105006FNTAB	2D(4)/2D(N)-F/F(W/G)	105	6	11461-77021		233	115.5	120.7	10.1+1.0
CR108004SNTAA	15B-FT-S/F(W/G)	108	4	11461-58090		193	112	115	5
CR108004SNTAA	15B-FTE-S/F(W/G)	108	4	11461-58090		193	112	115	5
CR108004FVTAA	15B-FT-F/F(O/G)	108	4	11461-58090		193	112		
CR108004FVTAA	15B-FTE-F/F(O/G)	108	4	11461-58090		193	112		

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference No.	Surface Treatment	length	outside diameter	flange diameter	flange depth
CR108004SVTAA	15B-FT-S/F(O/G)	108	4	11461-58090		193	112		
CR108004SVTAA	15B-FTE-S/F(O/G)	108	4	11461-58090		193	112		
CR114004FBTAA	S05C -F/F(W/G)	114	4	11461-78090 11461-78100 11461-78110	phosphated	186.5	117	122	8
CR114004FBTAA	S05D-F/F(W/G)	114	4	11461-78090 11461-78100 11461-78110	phosphated	186.5	117	122	8

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR092004FBVMA	HR TURBO-F/F(W/G)	92	4	A-SJ351453 G-1467642000 K-89500110 M-489WN01	phosphated	168	103	110	8.9+1.2



VOLKSWAGEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNVNA	FY-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	FZ-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	GF-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	GS-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	GT-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	HH-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5

VOLKSWAGEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNVNA	HJ-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	2G-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	AAV-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	HK-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	HW-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	MH-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5

VOLKSWAGEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR075004SNVNA	NU-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR075004SNVNA	NZ-S/F(W/G)	75	4	M-029WV19		133	78	81	4.5
CR076504SNVNA	1G TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	1V TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	CY TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	DV TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

VOLKSWAGEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076504SNVNA	MF TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	JR TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	JX TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	RA TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	SB TURBO-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	1S-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076504SNVNA	CP-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	CR-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	CS-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	DW-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	JK-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076504SNVNA	JP-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076504SNVNA	ME-S/F(W/G)	76.5	4	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	1G TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	1V TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	CY TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	DV TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	MF TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076506SNVNA	JR TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	JX TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	RA TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	SB TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	1S-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	CP-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076506SNVNA	CR-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	CS-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	DW-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	JK-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	JP-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVNA	ME-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR078306SNVNA	AFB TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNVNA	AKN TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNVNA	BAU TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNVNA	BDG TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR078306SNVNA	BDH TURBO-S/F(W/G)	78.3	6			155	82	84	3
CR079503SNVNA	AMF TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079503SNVNA	BAY TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079503SNVNA	BWB TURBO-S/F(W/G)	79.5	3	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	KY-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	1Z TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AEY TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AFN TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	AGD TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AHF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AHH TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ALE TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ASV TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AVG TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	1X-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	1Y-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AAB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ADG-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AEF-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AJA-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	AAZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ABL TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ADE TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ARL TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ASZ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AVF TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	AWX TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AJM TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ATJ TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AUY TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BVK TURBO-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ANU-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	ATD-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AVB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AVQ-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AXR-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BEW-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BJB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	BKC-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BRU-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BSW-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BXE-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BXF-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BXJ-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	AGP-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ANC-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AQM-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	ASY-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	AYQ-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	BGL-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079504SNVNA	BGM-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	CDXA-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079504SNVNA	CDXB-S/F(W/G)	79.5	4	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNVNA	1X-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNVNA	1Y-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNVNA	AAB-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR079505SNVNA	ADG-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNVNA	AEF-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR079505SNVNA	AJA-S/F(W/G)	79.5	5	A-SU351317 G-1402795000 K-89434190 M-029WV20		152	82.5	85.5	4.7
CR081005SNVNB	ACV-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AGX-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AHD-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNVNB	AHY-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AJT-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	ANJ-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	APA-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AUF-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AXG-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNVNB	AYC-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	AYY-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	BBE-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	BBF-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNC	ACV-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AGX-S/F(W/G)	81	5	K-89586190		180	84	87	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNVNC	AHD-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AHY-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AJT-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	ANJ-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	APA-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AUF-S/F(W/G)	81	5	K-89586190		180	84	87	4.7

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNVNC	AXG-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AYC-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	AYY-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	BBE-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNC	BBF-S/F(W/G)	81	5	K-89586190		180	84	87	4.7
CR081005SNVNB	AXD TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5

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EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR081005SNVNB	AXE TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	BAC TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	BLJ TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR081005SNVNB	BLK TURBO-S/F(W/G)	81	5	M-029WV25 N-1402042000		158	84	85	5
CR085504FNVNA	311-F/F(W/G)	85.5	4	K-88451110 M-029WR07		136.7	90	93.8	112.6
CR085504FNVNA	AD-F/F(W/G)	85.5	4	K-88451110 M-029WR07		136.7	90	93.8	112.6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR085504FNVNA	AS-F/F(W/G)	85.5	4	K-88451110 M-029WR07		136.7	90	93.8	112.6
CR087004FNVNA	124.A-F/F(W/G)	87	4	K-88656110		136.8	90	93.8	112.6
CR093004SNVNA	AGK-S/F(W/G)	93	4	K-89734190 M-151WV32		183	96	102.5	6.0+1.1
CR093004SNVNA	ATA-S/F(W/G)	93	4	K-89734190 M-151WV32		183	96	102.5	6.0+1.1
CR093004SNVNA	AUH-S/F(W/G)	93	4	K-89734190 M-151WV32		183	96	102.5	6.0+1.1
CR093004SNVNA	BCQ-S/F(W/G)	93	4	K-89734190 M-151WV32		183	96	102.5	6.0+1.1

VOLKSWAGEN

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR094004FNVNA	DJ-F/F(W/G)	94	4	K-89168110 M-029WN16		131.8	100	106.4	96.6
CR094004FNVNA	DF-F/F(W/G)	94	4	K-89168110 M-029WN16		131.8	100	106.4	96.6
CR094004FNVNA	DG-F/F(W/G)	94	4	K-89168110 M-029WN16		131.8	100	106.4	96.6
CR094004FNVNA	DH-F/F(W/G)	94	4	K-89168110 M-029WN16		131.8	100	106.4	96.6
CR094004FNVNA	GW-F/F(W/G)	94	4	K-89168110 M-029WN16		131.8	100	106.4	96.6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR070004FNVOA	B 10.E-F/F(W/G)	70	4	K-88384110 M-021WN08		135	75.5	85.8	94.85
CR073004FNVOA	B 13-F/F(W/G)	73	4	K-88544110 M-021WN09		134	78.45	87.75	94.85
CR076004FNVOA	B 14-F/F(W/G)	76	4	A-SJ4326 G-1563082000 K-8906110 M-021WN23		134	80.52	90.15	95
CR076004FNVOA	B 14.E-F/F(W/G)	76	4	A-SJ4326 G-1563082000 K-8906110 M-021WN23		134	80.52	90.15	95
CR076506SNVOA	D 24 TD TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR076506SNVOA	D 24 TIC TURBO-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR076506SNVOA	D 24-S/F(W/G)	76.5	6	G-140283600 K-89163190 M-029WV13		145	79.5	81.5	4.7
CR080004SNVOA	D 19 T-S/F(W/G)	80	4			154	83.05	86	5
CR080004SNVOA	D 4192 T-S/F(W/G)	80	4			154	83.05	86	5
CR081005SNVOA	D 5252 T-S/F(W/G)	81	5			158	84	86	4
CR081005SVVOA	D 5252 T-S/F(O/G)	81	5			158	84		
CR085004SNVOA	D 4204 T-S/F(W/G)	85	4			165	89.06	91	4.5

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR088006FNVOA	B 27.A-F/F(W/G)	88	6	M-039WV14		131.9	93.5	102.2	99.13
CR088006FNVOA	B 27.E-F/F(W/G)	88	6	M-039WV14		131.9	93.5	102.2	99.13
CR098436FNVOA	TD63E TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6
CR098436FNVOA	ES TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6
CR098436FNVOA	TD63KBE TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6
CR098436FNVOA	KDE TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR098436FNVOA	TD63KEE TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6
CR098436FNVOA	KFE TURBO-F/F(W/G)	98.43	6	A-SJ351349 G-1545934000 K-89578110 M-037WV47		237.4	109.9	119.1	9.66+3.6
CR098484SNVOA	4.236-S/F(W/G)	98.48	4	K-88355190 M-043WV12		227.4	103.22	106.36	3.8+1.0

EP NO.	ENGINE MODEL	Bore Dia.	Cyl.	Reference NO.	surface treatment	length	outside diameter	flange diameter	flange depth
CR077004SVZAA	115 C-S/F(O/G)	77	4	M-007WV70		133	81		

