

BALL VALVES



TYPE	SIZE	RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH						

A LARGE RANGE OF GLOBAL SUPPLY LINE STOCK HOLDINGS ARE MANUFACTURED USING CASTINGS FROM API6A, 20A LICENSED AND LLOYDS/DNV OFFSHORE/SHIPPING APPROVED

ALSO STOCKING ELASTOMER FREE CF8/CF3/316/304/CF8M/CF3M/316L 150/300/800 CLASS APV AMD STARLINE IN FLANGED, BSP, NPT, SW AND BW ENDS 8-200 NB FIRESAFE AND NON FIRESAFE

SEE OUR SPART PARTS LIST, WE STOCK ALL TYPES OF SEATS, SEALS AND TYPES OF ACCESSORIES TO CUSTOM BUILD APV/JC/STARLINE/SFEROVA/SUPERSEAL - KALREZ, CHEMRAZ, CPTFE, PEEK KELF EXTENDED

LT/H+BONNETS KITS

BALL	8	1/4	2000 PSI NPT	APV	FB 3P FS LO LD 800CL CLVI SWING OUT	316	316L + STELL TRIM STELL SEAT F51+ENP ST	1
BALL	8	1/4	2000 PSI NPT	APV	FB 1P FS LO LD 800CL NACE	CF8M	316 TRIM RPTFE SEAT GRP PKG	28
BALL	8	1/4	2000 PSI NPT	APV	FB 1P FS LO LD 800CL NACE	WCB	316 TRIM RPTFE SEAT GRP PKG	30
BALL	8	1/4	2000 PSI NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/316	316 TRIM RPTFE SEAT	50
BALL	8	1/4	2000 PSI NPT	FLOWTURN	FB 2P LO SPRING LEVER DEADMAN	CF8M	316 TRIM RPTFE SEAT PTFE PKG	40
BALL	8	1/4	2000 PSI BSP	STARLINE	FB 3P LO LD 156TTT SWING OUT	316	316 TRIM PTFE SEAT PTFE PKG	50
BALL	8	1/4	2000 PSI BSP	STARLINE	FB 3P FS LO LD 800CL NACE 136SGS-G SWING OUT	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	50
BALL	8	1/4	2000 PSI BSP	STARLINE	FB 3P FS LO LD 900CL SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	26
BALL	8	1/4	2000 PSI NPT	STARLINE	FB 3P FS LO LD 900CL SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	30
BALL	8	1/4	2220 PSI BSP	STARLINE	FB 3P FS LO LD 900CL NACE 136SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	45
BALL	8	1/4	2220 PSI NPT	STARLINE	FB 3P FS LO LD 900CL NACE 136SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	50
BALL	8	1/4	2220 PSI NPT	STARLINE	FB 3P FS LO LD 900CL NACE 136SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE/PEEK/GRP SEAT GRP PKG	20
BALL	8	1/4	2220 PSI NPT	STARLINE	FB 3P FS LO LD 1500CL	F51	F51 TRIM RPTFE SEAT GRP PKG	3
BALL	8	1/4	3700 PSI NPT	STARLINE	FB 3P FS LO LD 1500CL 116NGT-G	316/L	316 TRIM DEVLON SEAT GRP PKG	20
BALL	8	1/4	3700 PSI NPT	STARLINE	FB 3P FS LO LD 1500CL 116NIT EXT BONNET	316/L	316 TRIM PTFE SEAT GRP PKG	8
BALL	8	1/4	3700 PSI BSPT	STARLINE	FB 3P FS LO LD 1500CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	8	1/4	3700 PSI NPT	STARLINE	FB 3P FS LO LD 1500CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	40
BALL	8	1/4	3750 PSI NPT	SFEROVA	FB 3P FS LO LD 1500CL	F51	F51 TRIM RPTFE SEAT GRP PKG	3
BALL	8	1/4	6000 PSI NPT	APV	FB 2P FS LO LD 2500CL NACE	CF8M	316 TRIM DELRIN SEAT GRP PKG	32
BALL	8	1/4	6000 PSI NPT	STARLINE	FB 3P FS LO LD 2500CL NACE 166NGV-G	316/L	316 TRIM DELRIN SEAT GRP PKG	20
BALL	8	1/4	6170 PSI NPT	STARLINE	FB 3P FS LO LD 2500CL NACE 165NGV-G	316/L	316 TRIM DELRIN SEAT GRP PKG	20
BALL	10	3/8	1500 PSI BSPT	APV	FB 2P FS LO LD	WCB	316 TRIM PTFE SEAT PTFE PKG	67
BALL	10	3/8	2000 PSI NPT	APV	FB 1P FS LO LD 800CL	316	316 TRIM RPTFE SEAT GRP PKG	30
BALL	10	3/8	2000 PSI BSP	APV	FB 1P FS LO LD 800CL	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	14
BALL	10	3/8	2000 PSI NPT	APV	FB 2P FS LO LD 800CL	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	36
BALL	10	3/8	2000 PSI BSP	APV	FB 3P FS LO LD 800CL SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	15
BALL	10	3/8	2000 PSI NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/316	316 TRIM RPTFE SEAT	50
BALL	10	3/8	2000 PSI NPT	FLOWTURN	FB 2P LO SPRING LEVER DEADMAN	CF8M	316 TRIM RPTFE SEAT PTFE PKG	40
BALL	10	3/8	2000 PSI BSP	STARLINE	FB 3P FS LO LD NACE 800CL 126RIT-G SWING OUT	316/L	316 TRIM RPTFE SEAT GRP PKG	35
BALL	10	3/8	2220 PSI NPT	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G SWING OUT	316/L	316 TRIM CGPTFE/GRP PEEK GRP/PTFE PKG	15
BALL	10	3/8	2220 PSI NPT	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE/GRP PEEK GRP PKG	34
BALL	10	3/8	2500 PSI BSP	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE/GRP PEEK GRP PKG	20
BALL	10	3/8	3700 PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGT-G SWING OUT	316/L	316 TRIM DEVLON SEAT GRP PKG	23
BALL	10	3/8	3700 PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL EXT BONNET	316/L	316 TRIM RPTFE SEAT GRP PKG	20
BALL	10	3/8	3700 PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	34
BALL	10	3/8	6000 PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV	316/L	316 TRIM DEVLON SEAT GRP PKG	35
BALL	10	3/8	6170 PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	15	1/2	150 CL. RF	APV	FB 2P FS LO LD (5A)	CE3MN	SUPER DUPLEX RPTFE SEAT	20
BALL	15	1/2	150 CL. RFSF	APV	FB 2P FS LO LD CL VI	CF3M	316L+STELL TRIM STELL SEAT	10
BALL	15	1/2	150 CL. RFSF	APV	FB 2P FS LO LD DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM RPTFE SEAT PTFE PKG	10
BALL	15	1/2	150 CL. RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	CF8M	316L+STELL TRIM STELL SEAT METAL SEAT F51+ENP	3
BALL	15	1/2	150 CL. RFSF	APV	FB 2P FS LO LD A20 CHESTERTON 1622 FE PKG ALLOY 20	CN7M	A20 TRIM TFM1600 SEAT GRP PKG	10
BALL	15	1/2	150 CL. RF	APV	FB 2P FS LO LD MP	F51	F51 TRIM RPTFE SEAT	20
BALL	15	1/2	150 CL. RF	APV	FB 2P FS LO LD (C276EQUIL) SUB-ASS	HAST	RPTFE CW12MW BODY	15
BALL	15	1/2	150 CL. RF	APV	FB 2P FS LO LD M35-1	MONEL	MONEL 400 TRIM EQUIV RPTFE SEAT	15
BALL	15	1/2	150 CL. RF	APV	FB 2P LO LD TI C2 & TIC5 FORGED SUB-ASS	TI	TITANIUM (99TI/GR2/GR5/6AI-40/B367C5	12
BALL	15	1/2	150 CL. RFSF	APV	FB 2P FS LO LD AGA APPROVED NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	70
BALL	15	1/2	150 CL. RFSF	JC	RB 1P FS LO LD 715AIT/AICG AGA APP	A105/LF2	316 TRIM PTFE/CGPTFE SEAT GRP PKG	46
BALL	15	1/2	150 CL. RFSF	JC	FB 2P FS LO LD 515IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	30
BALL	15	1/2	150 CL. RFSF	JC	RB 1P FS LO LD DUAL WCC/WCB/LCB	LCC	316 TRIM PTFE/CGPTFE SEAT GRP PKG F51 STEM	8
BALL	15	1/2	150 PSI RF	JC	FB 2P FS LO LD 515AIT/AICG	WCB	316 TRIM PTFE/CGPTFE SEAT GRP PKG	20
BALL	15	1/2	150 CL. RFSF	STARLINE	FB 2P FS LO LD EXT BONNET	316	316 TRIM KELF SEAT GRP PKG	8
BALL	15	1/2	150 CL. RFSF	STARLINE	FB 2P FS LO LD 176"GS-G	316/L	316 TRIM CGPTFE/PEEK/GRP SEAT	10
BALL	15	1/2	150 CL. RFSF	STARLINE	FB 2P FS LO LD 175"GS-G	A105/LF2	316 TRIM CGPTFE/PEEK/GRP SEAT	26
BALL	15	1/2	150 CL. RFSF	STARLINE	FB 2P FS LO LD EXT BONNET	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	26
BALL	15	1/2	150 CL. UNDRILLRF	STARLINE	FB 3P FL FS LO LD NACE 135SGS-G	LF2	316L TRIM CGPTFE SEAT GRP PKG	5
BALL	15	1/2	300 CL. RFSF	APV	FB 2P FS LO LD AGA APP CHESTERTON 1622 FE PKG F511 CD3M DUPLEX	4A	F51 TRIM TFM1600 SEAT GRP PKG	5
BALL	15	1/2	300 CL. RFSF	APV	FB 3P FS LO LD 425° TIGHT SHUT OFF	CF8M	316L TRIM STELL SEAT GRP PKG METAL SEAT F51+E	2
BALL	15	1/2	300 CL. RFSF	APV	FB 2P FS LO LD AGA APP CHESTERTON 1622 FE PKG	CF8M	316 TRIM F51 ST PTFE SEAT GRP PKG	20
BALL	15	1/2	300 CL. RFSF	APV	FB 2P FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM F51 ST RPTFE SEAT GRP PKG	50
BALL	15	1/2	300 CL. RFSF	APV	RB 1P FS LO LD AGA APP CHESTERTON 1622 FE PKG	WCB/LCB	316 TRIM RPTFE SEAT GRP PKG	40
BALL	15	1/2	300 CL. RFSF	JC	FB 2P FS LO LD 530IIT	CF8M	316 TRIM F51 ST PTFE SEAT GRP PKG	40
BALL	15	1/2	300 CL. RFSF	JC	RB 1P FS LO LD DUAL WCC/WCB/LCB	LCC	316 TRIM PTFE/CGPTFE SEAT GRP PKG F51 STEM	23
BALL	15	1/2	300 CL. RFSF	JC	RB 1P FS LO LD	LF2	316 TRIM PTFE SEAT GRP PKG F51 ST FOR HT/LT/AB	45
BALL	15	1/2	300 CL. RFSF	JC	FB 2P FS LO LD	WCB	316 TRIM PTFE/CGPTFE SEAT GRP PKG	30
BALL	15	1/2	300 CL. RFSF	JC	RB 1P FS LO LD	WCC	316 TRIM PTFE/CGPTFE SEAT GRP PKG	90
BALL	15	1/2	300 CL. RFSF	SFEROVA	FB 3P FS LO TM	F51	F51 TRIM NYLON SEAT GRP PKG	2
BALL	15	1/2	300 CL. RFSF	STARLINE	FB 2P FS LO LD 176UGS-G EXT BONNET	316	316 TRIM PTFE/CGPTFE/PEEK GRP/KELF SEAT GRP F	12
BALL	15	1/2	300 CL. RFSF	STARLINE	FB 2P FS LO LD 175"GS-G	A105/LF2	316 TRIM CGPTFE/PEEK/GRP SEAT	20
BALL	15	1/2	600 CL. RF	APV	FB 2P LO LD M35-1 SUB-ASS	MONEL	MONEL RPTFE 400 TRIM RPTFE SEAT	10
BALL	15	1/2	600 CL. RF	STARLINE	FB 3P FS LO LD 116"GS-G	316/L	316 TRIM PEEK CPTFE SEAT GRP PKG	40
BALL	15	1/2	600 CL. RTJUC	STARLINE	FB 3P FS LO LD NACE 116SGS-G	316L	316 TRIM RPTFE SEAT GRP PKG	26
BALL	15	1/2	600 CL. RTJUC	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	43
BALL	15	1/2	600 CL. RFSF	STARLINE	FB 2P FS LO LD 179SGS	F51	F51 TRIM CGPTFE SEAT GRP PKG	5
BALL	15	1/2	600 CL. RTJUC	STARLINE	FB 3P FS LO LD NACE 119SGS-G	F51	F51 TRIM PTFE SEAT GRP PKG	26
BALL	15	1/2	800 PSI BSP	FLOWTURN	FB 3P LO LD	A105N	316 TRIM RPTFE SEAT GRP PKG	113
BALL	15	1/2	1000 PSI NPT/SW	APV	FB 3P/2P TI C2/C5 SUB-ASS	TITANIUM	EQUIV CR2, 99TI B367C2, GR5 6AI-4V B367 C5	25
BALL	15	1/2	1000 PSI NPT	SUPERSEAL	FB 2P LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	50
BALL	15	1/2	1000 PSI NPT	SUPERSEAL	FB 3P LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	76
BALL	15	1/2	1500 CL. RTJUC	SFEROVA	FB 3P FS LO TM NACE	A105/LF2	316 TRIM NYLON SEAT VAED/GRP	16
BALL	15	1/2	1500 CL. BW160	SFEROVA	FB 3P FS LO LD CL VI	F22	316+TCC TRIM STELL SEAT GRP PKG 17-4PH + ENP	3
BALL	15	1/2	1500 CL. RTJUC	SFEROVA	FB 3P FS LO LD NACE 169NGE-G	F51	F51 TRIM PEEK SEAT GRP/E985	4
BALL	15	1/2	1500 CL. RFSF	STARLINE	RB 3P FS LO EXT BONNET	316	316 TRIM KELF SEAT GRP PKG	2
BALL	15	1/2	1500 CL. RTJUC	STARLINE	FB 3P FS LO LD NACE 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	13

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	15	1/2	1500 CL	RFSF	STARLINE	FB 3P FS LO LD NACE 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		20
BALL	15	1/2	1500 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG F51 STEM		20
BALL	15	1/2	2000 PSI	NPT	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	316 316 TRIM PTFE SEAT GRP PKG		48
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK SWING OUT	316 316+STELL TRIM SEAT STELL SEAT 400°C F51+ENP S		22
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK SWING OUT	A105N 316+STELL TRIM SEAT STELL SEAT 400°C		10
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK SWING OUT	A105N 316+STELL TRIM SEAT STELL SEAT 400°C		22
BALL	15	1/2	2000 PSI	BSP	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG	CF8M 316 TRIM RPTFE SEAT GRP PKG		100
BALL	15	1/2	2000 PSI	BSP	APV	FB 3P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	CF8M 316 TRIM RPTFE SEAT GRP PKG		100
BALL	15	1/2	2000 PSI	BW40	APV	FB 3P FS LO LD 800CL AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	CF8M 316 TRIM RPTFE SEAT GRP PKG		80
BALL	15	1/2	2000 PSI	NPT	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG	CF8M 316 TRIM RPTFE SEAT GRP PKG		120
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	CF8M 316 TRIM RPTFE SEAT GRP PKG		100
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD NACE ALLOY 20 SWING OUT	CN7M A20 TRIM PTFE SEAT PTFE PKG		80
BALL	15	1/2	2000 PSI	BW/NPT/SW/BSP	APV	FB 3P FS CD3MN (4A) SUB-ASS SWING OUT	F51/F53 CE3MN SUPER DUPLEX RPTFE		25
BALL	15	1/2	2000 PSI	BW/BSP/NPT/SW	APV	FB 3P FS SWING OUT	HAST RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)		30
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS M35-1 SWING OUT	MONEL MONEL 400 TRIM RPTFE SEAT		20
BALL	15	1/2	2000 PSI	BSP	APV	FB 3P FS LO LD NACE 800CL AGA APP CHESTERTON 1622 FE PKG SWING OUT	WCB 316 TRIM CPTE SEAT 1622 GRP PKG		100
BALL	15	1/2	2000 PSI	NPT	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT 1622 GRP PKG		120
BALL	15	1/2	2000 PSI	NPT	APV	FB 3P FS LO LD NACE 800CL AGA APP CHESTERTON 1622 FE PKG SWING OUT	WCB 316 TRIM RPTFE SEAT 1622 GRP PKG		100
BALL	15	1/2	2000 PSI	NPT	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB 316 TRIM PTFE SEAT GRP PKG		100
BALL	15	1/2	2000 PSI	NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/LF2 316 TRIM RPTFE SEAT		50
BALL	15	1/2	2000 PSI	NPT	FLOWTURN	FB 2P LO LD SPRING LEVER DEADMAN	CF8M 316 TRIM RPTFE SEAT PTFE PKG		120
BALL	15	1/2	2000 PSI	NPT	SFEROVA	FB 2P FS LO LD NACE 800CL CL VI	316 316+STELL TRIM SEAT GRP PKG		5
BALL	15	1/2	2000 PSI	BW40	STARLINE	FB 3P FS LO LD 800CL 236TGT SWING OUT	316/L 316 TRIM PTFE SEAT PTFE PKG		45
BALL	15	1/2	2000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 800CL 136SGS-G SWING OUT	316/L 316 TRIM RPTFE SEAT GRP PKG		150
BALL	15	1/2	2000 PSI	PUPPBE80	STARLINE	FB 3P FS LO LD NACE 800CL 113SGS-G SWING OUT	316/L 316 TRIM CGPTFE SEAT GRP PKG		50
BALL	15	1/2	2000 PSI	BSP	STARLINE	FB 3P FS LO LD 800CL 235SGS-G SWING OUT	A105/LF2 316 TRIM RPTFE SEAT GRP PKG		300
BALL	15	1/2	2000 PSI	BW40	STARLINE	FB 3P FS LO LD 800CL 235TGT-T SWING OUT	A105/LF2 316 TRIM PTFE SEAT PTFE PKG		100
BALL	15	1/2	2000 PSI	SW	STARLINE	FB 3P FS LO LD 800CL 235SGS-G SWING OUT	A105/LF2 316 TRIM RPTFE SEAT GRP PKG		400
BALL	15	1/2	2000 PSI	SW	STARLINE	FB 3P FS LO LD 800CL SWING OUT	CF8M 316 TRIM RPTFE SEAT GRP PKG		100
BALL	15	1/2	2000 PSI	NPT	STARLINE	FB 3P FL FS LO LD NACE 139SGS SWING OUT	F51 F51TRIM PEEK RPTFE SEAT GRP PKG		26
BALL	15	1/2	2000 PSI	BSP	SUPERSEAL	FB 3P NF LO LD DUAL CERT 304/304L SWING OUT	304L 304L TRIM PTFE SEAT PTFE PKG		25
BALL	15	1/2	2000 PSI	NPT	SUPERSEAL	FB 3P FS LO LD SWING OUT	304L 304L TRIM PTFE SEAT PTFE PKG		25
BALL	15	1/2	2000 PSI	SW	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304L 304L TRIM PTFE SEAT PTFE PKG(NO VITON)		20
BALL	15	1/2	2000 PSI	BSP	SUPERSEAL	FB 1P NF LO LD	CF8M 316 TRIM PTFE SEAT PTFE PKG		80
BALL	15	1/2	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 116SGS-G SWING OUT	316/L 316 TRIM CGPTFE SEAT GRP PKG		200
BALL	15	1/2	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 126TTT SWING OUT	316/L 316 TRIM RPTFE SEAT GRP PKG		80
BALL	15	1/2	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 236SGS-G SWING OUT	316/L 316 TRIM CGPTFE SEAT GRP PKG		170
BALL	15	1/2	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		85
BALL	15	1/2	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		600
BALL	15	1/2	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		700
BALL	15	1/2	2220 PSI	PUPPBE80	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		240
BALL	15	1/2	2220 PSI	SW	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		300
BALL	15	1/2	2220 PSI	SW	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM CGPTFE SEAT GRP PKG		200
BALL	15	1/2	2500 CL	RTJUC	APV	FB 2P FS LO LD NACE CHESTERTON 1622 FE PKG	A105/LF2 316 TRIM NYLON SEAT GRP PKG		5
BALL	15	1/2	3000 PSI	NPT	APV	FB 2P FS LO LD NACE CHESTERTON 1622 FE PKG	WCB 316 TRIM PTFE SEAT GRP PKG		160
BALL	15	1/2	3700 PSI	BW80	APV	FB 3P FS LO LD 1500CL INTEG CL VI CHESTERTON 1622 FE PKG SWING OUT	304 316+TCC TRIM STELL SEAT GRP PKG		2
BALL	15	1/2	3700 PSI	PUPSWXNPT	APV	FB 2P FS LO LD 1500CL INTEG CHESTERTON 1622 FE PKG	316 316 TRIM NYLON SEAT GRP PKG		10
BALL	15	1/2	3700 PSI	PUPSWXNPT	APV	FB 2P FS LO LD NACE 1500CL INTEG CHESTERTON 1622 FE PKG	A105/LF2 316 TRIM NYLON SEAT GRP PKG		46
BALL	15	1/2	3700 PSI	BW80	APV	FB 3P FS LO LD 1500CL INTEG CL VI CHESTERTON 1622 FE PKG SWING OUT	WC9 316+TCC TRIM STELL SEAT GRP PKG		2
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGS-G	316/L 316 TRIM DEVLON SEAT GRP PKG		80
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 216NGT-G	316/L 316 TRIM DEVLON SEAT GRP PKG		50
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL LT EXT BONNET	316/L 316 TRIM DEVLON SEAT GRP PKG		12
BALL	15	1/2	3700 PSI	PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGG-G	316/L 316 TRIM DEVLON SEAT GRP PKG		70
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		500
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115PGS-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		300
BALL	15	1/2	3700 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG F51 STEM		100
BALL	15	1/2	3700 PSI	PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		130
BALL	15	1/2	3700 PSI	PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		240
BALL	15	1/2	3700 PSI	PUPSW	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G 6" PUPS	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		180
BALL	15	1/2	3700 PSI	PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G 4" PUPS	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		100
BALL	15	1/2	3750 PSI	NPT	SFEROVA	FB 3P FS LO LD NACE 1500CL 119NPS-G SWING OUT	F51 F51 TRIM PEEK SEAT GRP PKG		30
BALL	15	1/2	5000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL T116NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		80
BALL	15	1/2	5000 PSI	BW160PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		70
BALL	15	1/2	5000 PSI	BW80PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		70
BALL	15	1/2	5000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		170
BALL	15	1/2	5000 PSI	PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		100
BALL	15	1/2	5000 PSI	PUPSWXNPT	STARLINE	SB 3P FS LO LD NACE 1500CL T215PGV-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		20
BALL	15	1/2	3705 PSI	NPT	APV	FB 3P FS LO LD NACE 1500CL CHESTERTON 1622 FE PKG	CF8M 316 TRIM DELRIN SEAT GRP PKG		50
BALL	15	1/2	6000 PSI	BSP	APV	FB 3P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	A105N 316 TRIM NYLON SEAT GRP PKG		20
BALL	15	1/2	6000 PSI	NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	CF8M 316 TRIM DELRIN SEAT GRP PKG		100
BALL	15	1/2	6000 PSI	NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	WCB 316 TRIM DELRIN SEAT GRP PKG		150
BALL	15	1/2	6000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		70
BALL	15	1/2	6000 PSI	PUPBW160	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		22
BALL	15	1/2	6170 PSI	BW160	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		12
BALL	15	1/2	6170 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG F51 STEM		180
BALL	15	1/2	6170 PSI	PUPPBE160	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		40
BALL	15	1/2	6170 PSI	PUPPBEXXS	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		10
BALL	15	1/2	6170 PSI	PUPSW	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM NYLON SEAT GRP PKG		59
BALL	15	1/2	6250 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 169NGV-G XYL	F51 F51 TRIM NYLON SEAT GRP PKG		4
BALL	15	1/2	11600 PSI	NPT	APV	SB 3P FS NF LO LD CHESTERTON 1622 FE PKG	316 316 TRIM PEEK SEAT GRP PKG		2
BALL	20	3/4	150 CL	RF	APV	FB 2P FL FS LO LD CN7M	A20 A20 TRIM RPTFE SEAT		18
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD CHESTERTON 1622 FE PKG	A20 A20 TRIM PTFE SEAT GRP PKG		4
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD	ABZ 316 TRIM PTFE SEAT PTFE PKG		4
BALL	20	3/4	150 CL	RF/FF	APV	FB 2P LO LD NF AB2	ALBZ K500 MONEL TRIM PTFE PKG		7
BALL	20	3/4	150 CL	RF	APV	FB 2P FS LO LD (5A) SUB ASS	CE3MN SUPER DUPLEX RPTFE SEAT		15
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD CL VI CHESTERTON 1622 FE PKG	CF3M 316L+STELL TRIM STELL SEAT GRP PKG F51+ENP ST		10
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	CF8M 316L+STELL TRIM GRP PKG METAL SEAT F51+ENP S1		3
BALL	20	3/4	150 CL	RF	APV	FB 2P FL FS (C276EQUIV) SUB ASS	HAST RPTFE CW12MW BODY		15
BALL	20	3/4	150 CL	RF	APV	FB 2P LO LD T1 C2 & T1C5 FORGED SUB ASS	TI TITANIUM (99TI/GR2/GR5/6AI-40/B367C5)		10
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD AGA APP CHESTERTON 1622 FE PKG	WCB 316 TRIM PTFE SEAT GRP PKG		30
BALL	20	3/4	150 CL	RFSF	APV	FB 2P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG		40
BALL	20	3/4	150 CL	RF	APV	FB 2P FS LO LD MP CD3MN (4A)	F51 F51 TRIM RPTFE SEAT		15
BALL	20	3/4	150 CL	RFSF	JC	FB 2P FS LO LD NACE 515IIT	CF8M 316 TRIM PTFE/CGPTFE SEAT GRP PKG		21
BALL	20	3/4	150 CL	RFSF	JC	FB 1P FS LO LD NACE 715IIT	CF8M 316 TRIM PTFE/CGPTFE SEAT GRP PKG		5

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	20	3/4	150 CL	RFSF	JC	FB 2P FS LO LD	LCC	316 TRIM PTFE SEAT GRP PKG	28
BALL	20	3/4	150 CL	RFSF	JC	FB 1P FS LO LD	LCC	316 TRIM CGPTFE SEAT GRP PKG	10
BALL	20	3/4	150 CL	RFSF	JC	FB 2P FS LO 316 LD NACE 515AIT	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	30
BALL	20	3/4	150 CL	RFSF	JC	FB 1P FS LO 316 LD NACE 715AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG	30
BALL	20	3/4	150 CL	RFSF	SFEROVA	FB 2P FS LO LD EXT STEM CLVI	LF2	316L+STELL TRIM STELL SEAT 1622 GRP PKG 17-4 P	10
BALL	20	3/4	150 CL	RFSF	STARLINE	FB 3P FL FS LO LD NACE 136*GS-G EXT STEM (OPT)	316/L	316L TRIM PEEK/GRP/TEFZ/CGPTFE SEAT GRP PKG	18
BALL	20	3/4	150 CL	RFSF	STARLINE	FB 2P FS LO LD EXT STEM LT 176*GS-G	316/L	316 TRIM PTFE/CGPTFE/PEEK GRP/KELF SEAT GRP F	18
BALL	20	3/4	150 CL	RF	STARLINE	FB 2P FL FS LO LD NACE 175*GS-G	A105/LF2	316/316L TRIM CGPTFE/PEEK/GRP SEAT GRP PKG	100
BALL	20	3/4	150 CL	RFSF	STARLINE	FB 2P FS LO LD NACE 175*GS-G	A105/LF2	316 TRIM CGPTFE PEEK/GRP SEAT	50
BALL	20	3/4	150 CL	RFSF	STARLINE	FB 2P FS LO LD NACE	F51	F51 TRIM PTFE SEAT GRP PKG	6
BALL	20	3/4	150 CL	RFSF	STARLINE	FB 2P FS LO LD EXT STEM LT 175*GS-G	LF2	316 TRIM PTFE/CGPTFE/PEEK GRP/KELF SEAT GRP F	30
BALL	20	3/4	3705 PSI	NPT	APV	FB 3P FL FS LO LD NACE 1500CL SWING OUT	CF8M	316 TRIM DELRIN SEAT GRP PKG	50
BALL	20	3/4	3705 PSI	NPT	APV	FB 3P FL FS LO LD NACE 1500CL SWING OUT	WCB	316 TRIM DELRIN SEAT GRP PKG	100
BALL	20	3/4	3705 PSI	NPT	SFEROVA	FB 3P FL FS LO LD NACE 1500CL SWING OUT	316/L	316 TRIM DELVON SEAT GRP PKG	35
BALL	20	3/4	300 CL	RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	CF8M	316L+STELLTRIM GRP PKG METAL SEAT F51+ENP ST	4
BALL	20	3/4	300 CL	RFSF	APV	FB 2P FS LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	30
BALL	20	3/4	300 CL	RFSF	APV	FB 2P FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM F51 ST RPTFE SEAT GRP PKG	30
BALL	20	3/4	300 CL	RFSF	JC	FB 2P FS LO LD EXT BONNET CRYO	316	316 TRIM PTFE SEAT 1622 GRP PKG	4
BALL	20	3/4	300 CL	RFSF	JC	FB 2P FS LO LD NACE 530IIT	CF8M	316 TRIM PTFE SEAT GRP PKG F51 STEM	45
BALL	20	3/4	300 CL	RFSF	JC	FB 2P FS LO 316 LD NACE 530LICG DUAL WCB/LCB/WCC	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	20
BALL	20	3/4	300 CL	RFSF	JC	FB 1P FS LO LD NACE	LF2	316 TRIM F51 ST CGPTFE SEAT GRP PKG	60
BALL	20	3/4	300 CL	RFSF	JC	FB 2P FS LO 316 LD NACE 530AICG	WCB	316 TRIM CGPTFE SEAT GRP PKG	50
BALL	20	3/4	300 CL	RFSF	JC	FB 1P FS LO 316 LD NACE 730AICG	WCB	316 TRIM CGPTFE SEAT GRP PKG	50
BALL	20	3/4	300 CL	RFSF	SFEROVA	FB 2P FS LO LD CLVI	A105/LF2	316L+STELL TRIM STELL 1622 SEAT GRP PKG	3
BALL	20	3/4	300 CL	RFSF	SFEROVA	FB 3P FS LO LD EXT STEM	A105/LF2	316 TRIM RTFE SEAT 1622 GRP PKG	3
BALL	20	3/4	300 CL	RFSF	STARLINE	FB 2P FS LO LD NACE 176*GS-G (316 OR F51 STEM)	316/L	316 TRIM CGPTFE/PEEK/GRP SEAT	10
BALL	20	3/4	300 CL	RFSF	STARLINE	FB 2P FS LO LD NACE 176*GS-G EXT STEM	316/L	316 TRIM CGPTFE/PEEK/GRP SEAT	12
BALL	20	3/4	300 CL	RFSF	STARLINE	FB 2P FS LO LD NACE 175*GS-G EXT STEM	A105/LF2	316 TRIM CGPTFE/PEEK/GRP SEAT	50
BALL	20	3/4	600 CL	RFSF	APV	FB 1P FS LO LD EXT BONNET CRYO CHESTERTON 1622 FE PKG	304	304 TRIM TEFZEL SEAT GRP PKG	17
BALL	20	3/4	600 CL	RF	APV	FB 2P LO LD N-12MW SUB ASS	IASTELLO	316 TRIM CGPTFE SEAT GRP PKG	10
BALL	20	3/4	600 CL	RFSF	SFEROVA	FB 3P FS LO LD EXT STEM	A105/LF2	304 TRIM TEFZEL SEAT 1622 GRP PKG	6
BALL	20	3/4	600 CL	RFSF	SFEROVA	FB 3P FS LO LD NACE CLVI	A105/LF2	316 TRIM STELL SEAT GRP PKG F51 STEM	3
BALL	20	3/4	600 CL	RFSF X NPTF	STARLINE	FB 3P FS LO LD NACE 116SGS-G	316	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	20	3/4	600 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 116SGS-G	316	316 TRIM CGPTFE SEAT GRP PKG	13
BALL	20	3/4	600 CL	RFSF	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM STELL SEAT GRP PKG F51 STEM	90
BALL	20	3/4	600 CL	RFSF X NPTF	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	100
BALL	20	3/4	600 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	180
BALL	20	3/4	600 CL	RFSF X NPT	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	LF2	316 TRIM CGPTFE SEAT GRP PKG	20
BALL	20	3/4	1000 PSI	NPT/SW	APV	FB 3P/2P T1 C2/C5 SUB-ASS	TITANIUM	EQUIV CR2, 99T1 B367C2, GR5 6AI-4V B367 C5	10
BALL	20	3/4	1000 PSI	NPT	SUPERSEAL	FB 3P NF LO LD	CF8M	316 TRIM RPTFE SEAT PTFE PKG	55
BALL	20	3/4	1000 PSI	NPT	SUPERSEAL	FB 1P NF LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	45
BALL	20	3/4	1000 PSI	BSP	SUPERSEAL	FB 3P NF LO LD	WCB	316 TRIM PTFE SEAT PTFE PKG	80
BALL	20	3/4	1500 CL	RTJUC	APV	FB 3P FL FS LO LD NACE	A105N	316 TRIM RPTFE SEAT VAED/GRP	24
BALL	20	3/4	1500 CL	BW160	APV	FB 3P FL FS LO LD CL VI INTEG CHESTERTON 1622 FE PKG	F22	316+TCC TRIM STELL SEAT GRP PKG F51+ENP ST	1
BALL	20	3/4	1500 CL	RTJUC	SFEROVA	FB 3P FS LO LD TM NACE SI	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	16
BALL	20	3/4	1500 CL	RTJUC	STARLINE	FB 3P FS LO LD TM NACE SI	316	316 TRIM PEEK SEAT VAED/GRP	12
BALL	20	3/4	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD 166*GV-G	316/L	316 TRIM DEVLON/PEEK SEAT GRP PKG	20
BALL	20	3/4	1500 CL	RTJ	STARLINE	FB 3P FL FS LO LD NACE 165PGV-G	A105/LF2	316 TRIM PEEK SEAT GRP PKG	30
BALL	20	3/4	1500 CL	RTJ X NPT	STARLINE	FB 3P FL FS LO LD NACE 165*GV-G	A105/LF2	316 TRIM DEVLON/PEEK SEAT GRP PKG	25
BALL	20	3/4	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 165*GV-G	A105/LF2	316 TRIM DEVLON/PEEK SEAT GRP PKG	40
BALL	20	3/4	1500 CL	RTJUC	STARLINE	FB 3P FS LO LD TM NACE SI 105SGV	A105/LF2	316 TRIM NYCPTFELON SEAT VAED/GRP	5
BALL	20	3/4	1500 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 169PGE-G XLYAN	F51	F51 TRIM PEEK SEAT GRP/E985	16
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK METAL TO METAL SWING OUT	316	316+STELL BALL STELL SEAT 400°C F51+ENP ST	8
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL CHESTERTON 1622 FE PKG METAL TO METAL SWING OUT	316	316 TRIM STELL SEAT GRP PKG F51 STEM	6
BALL	20	3/4	2000 PSI	NPT/SW/BSP	APV	FB 3P FS CD4MCUN DUPLEX SUB ASS SWING OUT	904L/F44	RPTFE F44 & 904L SUPER AUSTENETIC	25
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK SWING OUT	A105N	316+STELL TRIM SEAT STELL SEAT 400°C F51+ENP S	12
BALL	20	3/4	2000 PSI	BSP	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	20	3/4	2000 PSI	BSP/T	APV	FB 3P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	150
BALL	20	3/4	2000 PSI	BW40	APV	FB 3P FS LO LD 800CL SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP	50
BALL	20	3/4	2000 PSI	NPT	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	200
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	20	3/4	2000 PSI	NPT	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	100
BALL	20	3/4	2000 PSI	SW	APV	FB 3P FS LO LD 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	160
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD NACE ALLOY 20 SWING OUT	CN7M	A20 TRIM PTFE SEAT PTFE PKG	40
BALL	20	3/4	2000 PSI	BW/NPT/SW/BSP	APV	FB 3P FS CD3MN (4A)	F51/F53	CE3MN SUPER DUPLEX RPTFE	20
BALL	20	3/4	2000 PSI	BW/BSP/NPT/SW	APV	FB 3P FS	HAST	RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)	20
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS M35-1	MONEL	MONEL 400 TRIM RPTFE SEAT	20
BALL	20	3/4	2000 PSI	BSP	APV	FB 3P FS LO LD 800CL AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTE SEAT 1622 GRP PKG	120
BALL	20	3/4	2000 PSI	NPT	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	160
BALL	20	3/4	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTE SEAT GRP PKG	100
BALL	20	3/4	2000 PSI	NPT	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	120
BALL	20	3/4	2000 PSI	NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/316	316 TRIM RPTFE SEAT	50
BALL	20	3/4	2000 PSI	NPT	FLOWTURN	FB 2P NF SPRING LEVER DEADMAN	CF8M	316 TRIM RPTFE SEAT PTFE GRP	100
BALL	20	3/4	2000 PSI	PUPPBE80	STARLINE	FB 3P FS LO LD NACE 900CL 113SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	100
BALL	20	3/4	2000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 139SGS-G SWING OUT	F51	F51 TRIM CGPTFE SEAT GRP PKG	15
BALL	20	3/4	2000 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 800CL 239SGS-G SWING OUT	F51	F51 TRIM CGPTFE SEAT GRP PKG	12
BALL	20	3/4	2000 PSI	BSP	SUPERSEAL	FB 3P NF LO LD SWING OUT	304L	304L TRIM PTFE SEAT PTFE PKG	100
BALL	20	3/4	2000 PSI	NPT	SUPERSEAL	FB 3P NF LO LD SWING OUT	304L	304L TRIM PTFE SEAT PTFE PKG	100
BALL	20	3/4	2000 PSI	SW	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304L	304L TRIM PTFE SEAT PTFE PKG(NO VITON)	20
BALL	20	3/4	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 236SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	200
BALL	20	3/4	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	80
BALL	20	3/4	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	200
BALL	20	3/4	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 236SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	300
BALL	20	3/4	2220 PSI	BSP	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	620
BALL	20	3/4	2220 PSI	BW160PUP	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	60
BALL	20	3/4	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	45
BALL	20	3/4	2220 PSI	BW80PUP	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	190
BALL	20	3/4	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	860
BALL	20	3/4	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	1000
BALL	20	3/4	2220 PSI	NPTXSW	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	660
BALL	20	3/4	2220 PSI	PUPPBE80	STARLINE	SB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	100
BALL	20	3/4	2220 PSI	PUPPBE80	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	180
BALL	20	3/4	2220 PSI	PUPPBE80 X NPTF	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	300
BALL	20	3/4	2220 PSI	SW	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	500

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	20	3/4	2220	PSI SW	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM CGPTE SEAT GRP PKG		480
BALL	20	3/4	2220	PSI SW	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM CGPTE SEAT GRP PKG		480
BALL	20	3/4	2500	CL RTJUC	STARLINE	FB 3P FS LO LD NACE 166NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		9
BALL	20	3/4	2500	CL RTJUC	STARLINE	FB 3P FS LO LD NACE 136NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG F51 STEM		23
BALL	20	3/4	2500	CL RTJUC	STARLINE	FB 3P FS LO LD NACE 169PGE-G	F51 316 TRIM PEEK SEAT GRP/E985		2
BALL	20	3/4	3700	PSI NPT	APV	FB 3P FS LO LD 1500CL CL VI CHESTERTON 1622 FE PKG	A105 316+STELL TRIM STELL SEAT GRP PKG		2
BALL	20	3/4	3700	PSI BW160	APV	FB 3P FS LO LD 1500CL CL VI CHESTERTON 1622 FE PKG SWING OUT	F22 316+TCC TRIM STELL SEAT GRP PKG		2
BALL	20	3/4	3700	PSI NPT	APV	FB 2P FS LD LD NACE 1500CL CHESTERTON 1622 FE PKG	WCB 316 TRIM NYLON SEAT GRP PKG		60
BALL	20	3/4	3700	PSI NPT	STARLINE	FB 3P FS LO LD 1500CL EXT BONNET	316/L 316 TRIM KELF SEAT GRP PKG		12
BALL	20	3/4	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		110
BALL	20	3/4	3700	PSI NPT	STARLINE	SB 3P FS LO LD 1500CL 216NGT-G	316/L 316 TRIM DEVLON SEAT GRP PKG		80
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGS-G	316/L 316 TRIM DEVLON SEAT GRP PKG		80
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 216NGS-G	316/L 316 TRIM DEVLON SEAT GRP PKG		40
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	SB 3P FS LO LD NACE 1500CL 216NGS-G	316/L 316 TRIM DEVLON SEAT GRP PKG		160
BALL	20	3/4	3700	PSI PUPPBE160XNPT	STARLINE	FB 3P FS LO LD NACE 1500CL 216NGS-G	316/L 316 TRIM DEVLON SEAT GRP PKG		60
BALL	20	3/4	3700	PSI BW160PUP	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		100
BALL	20	3/4	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115PGV-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		400
BALL	20	3/4	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		600
BALL	20	3/4	3700	PSI NPT	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		380
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 115PGV-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		100
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		260
BALL	20	3/4	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		280
BALL	20	3/4	3700	PSI PUPPBE160XNPT	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		260
BALL	20	3/4	3700	PSI PUPPBE80	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2 316 TRIM DEVLON SEAT VITON GRP PKG		120
BALL	20	3/4	3700	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G 4" PUPS	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		80
BALL	20	3/4	3750	PSI NPT	SFEROVA	FB 3P FS LO LD NACE 1500CL SWING OUT	F51 F51 TRIM PEEK SEAT GRP PKG		18
BALL	20	3/4	4000	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		70
BALL	20	3/4	4000	PSI BW80PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		60
BALL	20	3/4	4000	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		9
BALL	20	3/4	4000	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		90
BALL	20	3/4	4000	PSI PUPSWXNPT	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		98
BALL	20	3/4	4000	PSI PUPSWXNPT	STARLINE	FB 3P FS LO LD NACE 1500CL T115PGV-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		100
BALL	20	3/4	4600	PSI PUPSW	STARLINE	SB 3P FS LO LD NACE 1500CL T215PGV-G	A105/LF2 316 TRIM PEEK SEAT GRP PKG		37
BALL	20	3/4	6000	PSI NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	CF8M 316 TRIM DELRIN SEAT GRP PKG		100
BALL	20	3/4	6000	PSI NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	WCB 316 TRIM DELRIN SEAT GRP PKG		160
BALL	20	3/4	6000	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		18
BALL	20	3/4	6000	PSI BWXXSPUP	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L 316 TRIM DELRIN SEAT GRP PKG		16
BALL	20	3/4	6000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L 316 TRIM DEVLON SEAT GRP PKG		80
BALL	20	3/4	6170	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		30
BALL	20	3/4	6170	PSI BWXXS	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		12
BALL	20	3/4	6170	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		80
BALL	20	3/4	6170	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2 316 TRIM DEVLON SEAT GRP PKG		40
BALL	20	3/4	6170	PSI PUPSWXNPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	A105N 316 TRIM NYLON SEAT GRP PKG		40
BALL	20	3/4	6250	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 169NGV-G XYL	F51 F51 TRIM DEVLON SEAT GRP PKG		2
BALL	25	1	150	CL RFSF	APV	FB 2P FL FS LO LD CN7M	A20 A20 TRIM RPTFE SEAT		16
BALL	25	1	150	CL RFSF	APV	FB 2P LO LD NACE SLBV01	A20 A20 TRIM PTFE SEAT PTFE PKG		8
BALL	25	1	150	CL RF/FF	APV	FB 2P LO LD AB2	ALBZ K500 MONEL TRIM PTFE PKG		7
BALL	25	1	150	CL RFSF	APV	FB 2P NF LO LD	BRZ 316 TRIM RPTFE SEAT PTFE PKG		12
BALL	25	1	150	CL RF	APV	FB 2P FS LO LD (5A) SUB ASS	CE3MN SUPER DUPLEX RPTFE SEAT		15
BALL	25	1	150	CL RFSF	APV	FB 2P FL LO LD	CF3 304L TRIM PTFE SEAT PTFE PKG		10
BALL	25	1	150	CL RFSF	APV	FB 2P FS LO LD CL VI CHEVRON/SHELL/BP APP CHESTERTON 1622 FE PKG	CF3M 316+STELL TRIM STELL SEAT 1622 GRP PKG		7
BALL	25	1	150	CL RFSF	APV	FB 2P FS LO LD DUAL CERT CF8/CF3	CF8/CF3 304/L TRIM PTFE SEAT GRP/ PTFE PKG		20
BALL	25	1	150	CL UNDRILLRF	APV	FB 2P FS LO LD CHESTERTON 1622 FE PKG DUAL CERT CF8/CF3	CF8/CF3 304/L TRIM PTFE SEAT GRP PKG		8
BALL	25	1	150	CL RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	CF8M 316+STELL TRIM STELL SEAT GRP PKG METAL SEAT		3
BALL	25	1	150	CL RFSF	APV	RB 1P FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	CF8M 316 TRIM PTFE SEAT 1622 GRP PKG		15
BALL	25	1	150	CL UNDRILLRF	APV	FB 2P FS LO LD	CF8M 316 TRIM PTFE SEAT GRP/PTFE PKG		15
BALL	25	1	150	CL RF	APV	FB 2P FS LO LD MP	F51 F51 TRIM RPTFE SEAT GRP PKG E985		9
BALL	25	1	150	CL RF	APV	FB 2P FL FS (C276EQUIL) SUB ASS	HAST RPTFE CW12MW BODY		10
BALL	25	1	150	CL RF	APV	FB 2P FS LO LD M35-1	MONEL MONEL 400 TRIM EQUIV RPTFE SEAT		10
BALL	25	1	150	CL RFSF	APV	FB 2P FS LO LD	MONEL MONEL TRIM PTFE SEAT PTFE PKG		7
BALL	25	1	150	CL RF	APV	FB 2P LO LD T1 C2 & T1C5 FORGED SUB ASS	TI TITANIUM (99TI/GR2/GR5/6A1-40/B367C5)		8
BALL	25	1	150	CL RFSF	APV	FB 2P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG		50
BALL	25	1	150	CL RFSF	APV	RB 1P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG		30
BALL	25	1	150	CL UNDRILLRF	APV	FB 2P FS LO LD CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG		6
BALL	25	1	150	CL RFSF	JC	FB 2P FS LO LD NACE 515IIT	CF8M 316 TRIM PTFE SEAT GRP PKG F51 STEM		57
BALL	25	1	150	CL RFSF	JC	RB 1P 2P FS LO LD NACE 715IIT	CF8M 316 TRIM PTFE SEAT GRP PKG		18
BALL	25	1	150	CL RFSF	JC	RB 1P FS LO LD 715LIGG	LCC 316 TRIM CGPTE SEAT GRP PKG		20
BALL	25	1	150	CL RFSF	JC	FB 2P FS LO 316 LD NACE 515AICG OFFSHORE SPEC	WCB 316 TRIM CGPTE SEAT GRP PKG		100
BALL	25	1	150	CL RFSF	JC	FB 2P FS LO 316 LD NACE 515AIT	WCB 316 TRIM PTFE SEAT GRP PKG		110
BALL	25	1	150	CL RFSF	JC	RB 1P FS LO 316 LD NACE 715AICG OFFSHORE SPEC	WCB 316 TRIM CGPTE SEAT GRP PKG		100
BALL	25	1	150	CL RFSF	JC	RB 1P FS LO 316 LD NACE 715AIT OFFSHORE SPEC	WCB 316 TRIM PTFE SEAT GRP PKG		45
BALL	25	1	150	CL RFSF	STARLINE	FB 2P FS LO LD EXT BONNET	316/L 316/L TRIM RPTFE SEAT PTFE PKG		12
BALL	25	1	150	CL RFSF	STARLINE	FB 2P FL FS LO LD NACE EXT STEM (OPT) F51 STEM (OPT)	316/L 316/L TRIM PEEK/GRP/KELF/CGPTE SEAT GRP PKG		20
BALL	25	1	150	CL RFSF	STARLINE	FB 2P FL FS LO LD NACE 175°GS-G F51 STEM (OPT)	A105/LF2 316L TRIM RPTFE/PEEK/PTFE SEAT GRP PKG		180
BALL	25	1	150	CL RFSF	STARLINE	FB 2P FS LO LD NACE 175SGS-G	F51 F51 TRIM RPTFE SEAT GRP PKG		8
BALL	25	1	150	CL UNDRILLRF	STARLINE	FB 3P FL FS LO LD NACE 135SGS-G	LF2 316L TRIM CGPTE SEAT GRP PKG		8
BALL	25	1	300	CL UNDRILLRF	APV	FB 3P FS LO LD 425°C TIGHT SHUT OFF	316 316+STELL TRIM STELL SEAT GRP PKG METAL SEAT		1
BALL	25	1	300	CL UNDRILLRF	APV	FB 2P FS LO LD CHESTERTON 1622 FE PKG DUAL CERT CF8/CF3	CF8/CF3 304/L TRIM PTFE SEAT GRP PKG		3
BALL	25	1	300	CL RFSF	APV	FB 2P FS LO LD CHESTERTON 1628 FE PKG	CF8M 316 TRIM PTFE SEAT PTFE GRP/PKG		26
BALL	25	1	300	CL UNDRILLRF	APV	FB 2P FS LO LD	CF8M 316 TRIM PTFE SEAT PTFE PKG		6
BALL	25	1	300	CL UNDRILLRF	APV	FB 3P FS LO LD 425°C TIGHT SHUT OFF	CF8M 316+STELL TRIM STELL SEAT GRP PKG METAL SEAT		4
BALL	25	1	300	CL UNDRILLRF	APV	FB 3P FS LO LD 425°C TIGHT SHUT OFF	F22 316+STELL TRIM STELL SEAT GRP PKG METAL SEAT		2
BALL	25	1	300	CL RFSF	APV	RB 1P FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG		28
BALL	25	1	300	CL RFSF	APV	FB 2P FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM RPTFE SEAT GRP PKG F51 STEM		30
BALL	25	1	300	CL RFSF	APV	RB 1P FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG	WCB 316 TRIM PTFE SEAT GRP PKG		30
BALL	25	1	300	CL RFSF	JC	RB 1P FS LO LD NACE 730IIT	316 316 TRIM PTFE SEAT GRP PKG F51 STEM		12
BALL	25	1	300	CL RFSF	JC	FB 2P FS LO LD	CF8M 316 TRIM PTFE SEAT GRP PKG F51 STEM		15
BALL	25	1	300	CL RFSF	JC	RB 1P FS LO LD NACE 730LIGG	LCC 316 TRIM CGPTE SEAT GRP PKG F51 STEM		28
BALL	25	1	300	CL RFSF	JC	FB 2P FS LO LD NACE 530LIGG	LCC 316 TRIM CGPTE SEAT GRP PKG F51 STEM		30
BALL	25	1	300	CL RFSF	JC	FB 2P FS LO 316 LD NACE 530AICG OFFSHORE SPEC	WCB 316 TRIM CGPTE SEAT GRP PKG		40
BALL	25	1	300	CL RFSF	JC	FB 2P FS LO 316 LD NACE 530AIT OFFSHORE SPEC	WCB 316 TRIM PTFE SEAT GRP PKG		50
BALL	25	1	300	CL RFSF	JC	RB 1P FS LO 316 LD NACE 730AICG OFFSHORE SPEC	WCB 316 TRIM CGPTE SEAT GRP PKG		80
BALL	25	1	300	CL RFSF	STARLINE	FB 2P FS LO LD NACE 176°SGS-G (316 OR F51 STEM)	316/L 316 TRIM PEEK/GRP/PTFE SEAT GRP PKG		16
BALL	25	1	300	CL RFSF	STARLINE	FB 2P FS LO LD NACE 175°GS-G	A105/LF2 316 TRIM PEEK/GRP/PTFE SEAT GRP PKG		40

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	25	1	300 CL	RFSF	STARLINE	FB 2P FS LO LD NACE 175SGS-G	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	40
BALL	25	1	600 CL	RTJUC	APV	FB 3P FS LO LD TM NACE SI	A105/LF2 316 TRIM	RPTFE SEAT VAED/GRP	14
BALL	25	1	600 CL	RFSF	APV	FB 2P FS LO LD CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	14
BALL	25	1	600 CL	RFSF	SFEROVA	FB 2P FS LO LD ISO 5208-A -46-240°C	A105/LF2 316+TCC TRIM	TCC SEAT GRP PKG	1
BALL	25	1	600 CL	RFXBW80PUP	SFEROVA	FB WB FS LO LD TM NACE SI	A105/LF2 316 TRIM	DEVLON SEAT VAED/GRP	4
BALL	25	1	600 CL	RTJUC	SFEROVA	FB 3P FS LO LD TM NACE SI	A105/LF2 316 TRIM	RPTFE SEAT VGLTED/GRP	20
BALL	25	1	600 CL	RFSF X NPT	STARLINE	FB 3P FS LO LD NACE 116SGS-G	316/L	316 TRIM CGPTE SEAT GRP PKG	30
BALL	25	1	600 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 116SGS-G	316/L	316 TRIM CGPTE SEAT GRP PKG	28
BALL	25	1	600 CL	RFSF	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	260
BALL	25	1	600 CL	RFSF	STARLINE	SB 3P FS LO LD NACE 215SGS-G	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	40
BALL	25	1	600 CL	RFSF X NPT	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	40
BALL	25	1	600 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG F51 STEM	130
BALL	25	1	600 CL	RFSF	STARLINE	FB 3P FS LO LD NACE 119SGS	F51	F51 TRIM CGPTE SEAT GRP PKG	12
BALL	25	1	600 CL	RTJUC	STARLINE	FB 3P FS LO LD NACE 119SGS-G	F51	F51 TRIM CGPTE SEAT GRP PKG	3
BALL	25	1	1000 PSI	NPT/SW	APV	FB 3P/2P TI C2/C5	TITANIUM	EQUIV CR2, 99TI B367C2, GR5 6AI-4V B367 C5	25
BALL	25	1	1000 PSI	NPT	SUPERSEAL	RB 1P LO LD	A105N	316 TRIM PTFE SEAT PTFE PKG	205
BALL	25	1	1000 PSI	BSP	SUPERSEAL	FB 2P LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	50
BALL	25	1	1000 PSI	BW40	SUPERSEAL	FB 3P LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	12
BALL	25	1	1000 PSI	NPT	SUPERSEAL	FB 2P LO LD	CF8M	316 TRIM RPTFE SEAT PTFE PKG	65
BALL	25	1	1000 PSI	NPT	SUPERSEAL	FB 3P LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	40
BALL	25	1	1500 CL	RTJUC	APV	FB 3P FL FS LO LD NACE 165°GV-G CHESTERTON 1622 FE PKG	A105/LF2 316 TRIM	RPTFE SEAT GRP PKG	60
BALL	25	1	1500 CL	RTJ	APV	RB 2P LO LD EXT BONNET CHESTERTON 1622 FE PKG	F316	316 TRIM PCTFE SEAT GRP PKG	2
BALL	25	1	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM PEEK SEAT VAED/GRP	16
BALL	25	1	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT VAED/GRP	16
BALL	25	1	1500 CL	RTJUC	SFEROVA	FB 2P FL FS LO LD NACE	316	316 TRIM RPTFE SEAT VAED/GRP	15
BALL	25	1	1500 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F6A+TCC TRIM	STELL SEAT GRP PKG	5
BALL	25	1	1500 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM	PEEK SEAT VGLTED/GRP	36
BALL	25	1	1500 CL	RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM	PEEK SEAT VAED/GRP	37
BALL	25	1	1500 CL	RTJUC	SFEROVA	FB 2P FL FS LO LD NACE	A105/LF2 316 TRIM	DEVLON SEAT VAED/GRP	35
BALL	25	1	1500 CL	RTJ	STARLINE	FB 3P FL FS LO LD NACE 166°GV-G	316/L	316 TRIM PEEK/DEVLON SEAT GRP PKG	9
BALL	25	1	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 166°GV-G	316/L	316 TRIM PEEK/DEVLON SEAT GRP PKG	38
BALL	25	1	1500 CL	RTJ X NPT	STARLINE	FB 3P FL FS LO LD NACE 165°GV-G	A105/LF2 316 TRIM	PEEK/DEVLON SEAT GRP PKG	40
BALL	25	1	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 165°GV-G	A105/LF2 316 TRIM	PEEK/DEVLON SEAT GRP PKG F51 STEM	75
BALL	25	1	1500 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM	PEEK SEAT VGLTED/GRP	30
BALL	25	1	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD 169°GE-G	F51	F51 TRIM CGPTE/PEEK SEAT GRP/E985	23
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK METAL SEAT SWING OUT	316	316+STELL TRIM SEAT STELL SEAT 400°C F51+ENP S	14
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAKAGE 400°C METAL SEAT SWING OUT	316	316+STELL TRIM STELL SEAT HF STEM	15
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK METAL SEAT SWING OUT	316	316+STELL TRIM SEAT STELL SEAT 400°C F51+ENP S	20
BALL	25	1	2000 PSI	NPT	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	298
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD 800CL ZERO LEAK SWING OUT	A105N	316+STELL TRIM SEAT STELL SEAT 400°C F51+ENP S	30
BALL	25	1	2000 PSI	BSP	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	25	1	2000 PSI	BSP	APV	FB 3P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	25	1	2000 PSI	BSP	APV	RB 1P FS LO LD 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	25	1	2000 PSI	BW40	APV	FB 3P FS LO LD SWING OUT	CF8M	316 TRIM PTFE SEAT PTFE PKG	100
BALL	25	1	2000 PSI	NPT	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	200
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	150
BALL	25	1	2000 PSI	NPT	APV	RB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	190
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD ALLOY 20 SWING OUT	CN7M	A20 TRIM PTFE SEAT PTFE PKG	30
BALL	25	1	2000 PSI	BW/NPT/SW/BSP	APV	FB 3P FS CD3MN (4A) SUB ASS SWING OUT	F51/F53	CE3MN SUPER DUPLEX RPTFE	20
BALL	25	1	2000 PSI	BW/BSP/NPT/SW	APV	FB 3P FS SWING OUT	HAST	RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)	20
BALL	25	1	2000 PSI	BSP	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM RPTFE SEAT GRP PKG	98
BALL	25	1	2000 PSI	BSP	APV	FB 3P FS LO LD NACE 800CL AGA APP CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTE SEAT GRP PKG	160
BALL	25	1	2000 PSI	NPT	APV	FB 3P FS LO LD NACE 800CL AGA APP CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTE SEAT GRP PKG	100
BALL	25	1	2000 PSI	NPT	APV	RB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	180
BALL	25	1	2000 PSI	NPT	APV SUPERSEAL	FB 3P NF LO LD DUAL CERT 304/304L SWING OUT	304L	304/304L TRIM PTFE SEAT PTFE PKG	30
BALL	25	1	2000 PSI	SW	APV SUPERSEAL	FB 3P NF LO LD DUAL CERT 304/304L SWING OUT	304L	304/304L TRIM PTFE SEAT PTFE PKG	30
BALL	25	1	2000 PSI	NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/316	316 TRIM RPTFE SEAT	50
BALL	25	1	2000 PSI	NPT	FLOWTURN	FB 2P NF LO SPRING LEVER DEADMAN	CF8M	316 TRIM RPTFE SEAT PTFE PKG	100
BALL	25	1	2000 PSI	NPT	SFEROVA	FB 3P FS LO LD NACE 800CL ZERO LEAKAGE SWING OUT	A105/LF2 316 TRIM	TCC SEAT STELL SEAT	6
BALL	25	1	2000 PSI	BWTUBE	STARLINE	SB 3P FS LO LD NACE 800CL 226TTT SWING OUT	316/L	316 TRIM PTFE SEAT PTFE PKG	6
BALL	25	1	2000 PSI	PUPPBE80	STARLINE	FB 3P FS LO LD NACE 800CL 113SGS-G SWING OUT	316/L	316 TRIM CGPTE SEAT GRP PKG	50
BALL	25	1	2000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 800CL 115SGS-G SWING OUT	A105/LF2 316 TRIM	GRP SEAT GRP PKG	10
BALL	25	1	2000 PSI	PUP80PBE X NPTF	STARLINE	FB 3P FS LO LD NACE 800CL 115SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	230
BALL	25	1	2000 PSI	BW40	STARLINE	FB 3P FS LO LD NACE 800CL 139SGS-G SWING OUT	F51	F51 TRIM CGPTE SEAT GRP PKG	15
BALL	25	1	2000 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 800CL 239SGS SWING OUT	F51	F51 TRIM CGPTE SEAT GRP PKG	30
BALL	25	1	2000 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 800CL 139SGS-G SWING OUT	F51	F51 TRIM CGPTE SEAT GRP PKG	16
BALL	25	1	2000 PSI	BSP	SUPERSEAL	FB 2P NF LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	50
BALL	25	1	2200 PSI	NPT	APV	FB 2P FS LO LD NACE 900CL ZERO LEAKAGE	316	316 TRIM STELL SEAT STELL SEAT	20
BALL	25	1	2220 PSI	BSP	STARLINE	FB 3P FS LO LD NACE 900CL 136SGT-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM CGPTE SEAT GRP PKG	160
BALL	25	1	2220 PSI	BW160PUP	STARLINE	SB 3P FS LO LD NACE 900CL 236SGS-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM PEEK SEAT GRP PKG	40
BALL	25	1	2220 PSI	BW40	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM CGPTE SEAT GRP PKG	200
BALL	25	1	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM RPTFE SEAT GRP PKG	200
BALL	25	1	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 136SGT-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM CGPTE SEAT GRP PKG	190
BALL	25	1	2220 PSI	SW	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G 316/316L DUAL CERT SWING OUT	316/L	316 TRIM DEVLON SEAT GRP PKG	160
BALL	25	1	2220 PSI	BSP	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	230
BALL	25	1	2220 PSI	BW80	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	50
BALL	25	1	2220 PSI	BW80	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	200
BALL	25	1	2220 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	1000
BALL	25	1	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 215NGV-G SWING OUT	A105/LF2 316 TRIM	DEVLON SEAT GRP PKG	600
BALL	25	1	2220 PSI	NPT	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	500
BALL	25	1	2220 PSI	NPTXSW	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	700
BALL	25	1	2220 PSI	PUP80PBE	STARLINE	FB 3P FS LO LD NACE 900CL 115SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	230
BALL	25	1	2220 PSI	SW	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	440
BALL	25	1	2220 PSI	SW	STARLINE	SB 3P FS LO LD NACE 900CL 235SGS-G SWING OUT	A105/LF2 316 TRIM	CGPTE SEAT GRP PKG	480
BALL	25	1	2250 PSI	NPT	STARLINE	FB 3P FS LO LD NACE 900CL 110NGS-G SWING OUT	F55	F55 TRIM CGPTE SEAT GRP PKG	6
BALL	25	1	2500 CL	RFSF	STARLINE	FB 3P FL FS LO LD NACE 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	3
BALL	25	1	2500 CL	RTJ	STARLINE	FB 3P FL FS LO LD NACE 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	4
BALL	25	1	2500 CL	RTJ	STARLINE	FB 3P TM FS LO LD NACE SI 105PGE	A105/LF2 316 TRIM	DEVLON SEAT E985/GRP F51 STEM	4
BALL	25	1	2500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD 165NGV-G	A105/LF2 316 TRIM	DEVLON SEAT GRP PKG	18
BALL	25	1	3000 PSI	NPT	APV	FB 2P FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM NYLON SEAT GRP PKG	90
BALL	25	1	3700 PSI	NPT	APV	FB 3P FS LO LD NACE 1500CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM DELRIN SEAT GRP PKG	70
BALL	25	1	3700 PSI	NPT	APV	FB 3P FS LO LD NACE 1500CL CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM DELRIN SEAT GRP PKG	100
BALL	25	1	3700 PSI	NPT	SFEROVA	FB 3P FS LO LD 1500CL CL VI SWING OUT	A105/LF2 316+TCC TRIM	STELL SEAT GRP PKG	2
BALL	25	1	3700 PSI	BW160	SFEROVA	FB 3P FS LO LD 1500CL CL VI	F22	316+TCC TRIM STELL SEAT GRP PKG	2

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	25	1	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 116NTT EXT STEM	316/L	316 TRIM TEFZEL SEAT GRP PKG	12
BALL	25	1	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 116NTT-G	316/L	316 TRIM DEVLON SEAT PTFE PKG	80
BALL	25	1	3700	PSI NPT	STARLINE	SB 3P FS LO LD NACE 1500CL 216NGT-G	316/L	316 TRIM DEVLON SEAT GRP PKG	70
BALL	25	1	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 116NGS-G	316/L	316 TRIM DEVLON SEAT GRP PKG	40
BALL	25	1	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	410
BALL	25	1	3700	PSI NPT	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	220
BALL	25	1	3700	PSI NPT	STARLINE	SB 3P FS LO LD NACE 1500CL 215PGS-G	A105/LF2	316 TRIM PEEK SEAT GRP PKG	330
BALL	25	1	3700	PSI PUPPBE160	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G-6"	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	200
BALL	25	1	3700	PSI PUPPBE160	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	210
BALL	25	1	3700	PSI PUPPBE160XNPT	STARLINE	FB 3P FS LO LD NACE 1500CL 215NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	250
BALL	25	1	3700	PSI PUPPBE80	STARLINE	FB 3P FS LO LD NACE 1500CL 135NGS-G-6"	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	170
BALL	25	1	3700	PSI PUPPBEXXS	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G-6"	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	40
BALL	25	1	3700	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL 115NGS-G-4"	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	80
BALL	25	1	3700	PSI PUPSW	STARLINE	SB 3P FS LO LD NACE 1500CL 215NGS-G-4"	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	80
BALL	25	1	3705	PSI BSP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM NYLON SEAT GRP PKG	20
BALL	25	1	3705	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	40
BALL	25	1	3705	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	80
BALL	25	1	3705	PSI NPT	STARLINE	SB 3P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	30
BALL	25	1	3705	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	457
BALL	25	1	3705	PSI PUPSW	STARLINE	SB 3P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM NYLON SEAT GRP PKG	30
BALL	25	1	3705	PSI PUPSWXNPT	STARLINE	SB 3P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	38
BALL	25	1	3750	PSI NPT	SFEROVA	SB 3P FS LO LD NACE 1500CL SWING OUT	F51	F51 TRIM DEVLON SEAT GRP PKG	23
BALL	25	1	3750	PSI NPT	SFEROVA	FB 3P FS LO LD NACE 1500CL SWING OUT	F51	F51 TRIM PEEK SEAT GRP PKG	11
BALL	25	1	6000	PSI NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM DELRIN SEAT GRP PKG	130
BALL	25	1	6000	PSI NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	WCB	316 TRIM DELRIN SEAT GRP PKG	160
BALL	25	1	6000	PSI BWXXSPUP	STARLINE	FB 2P FS LO LD NACE 2500CL 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	16
BALL	25	1	6000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166NGV-G	316/L	316 TRIM DELRIN SEAT GRP PKG	70
BALL	25	1	6000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 166PGV-G	316/L	316 TRIM PEEK SEAT GRP PKG	70
BALL	25	1	6170	PSI BSPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	160
BALL	25	1	6170	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	160
BALL	25	1	6170	PSI BWXXSPUP	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	160
BALL	25	1	6170	PSI NPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	200
BALL	25	1	6170	PSI PUPPBE	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	150
BALL	25	1	6170	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	100
BALL	25	1	6170	PSI PUPSWXNPT	STARLINE	FB 3P FS LO LD NACE 2500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	80
BALL	25	1	6250	PSI NPT	SFEROVA	FB 3P FS LO LD NACE 2500CL SWING OUT	F51	F51 TRIM DEVLON SEAT GRP/VGLT	8
BALL	32	1 1/4	1000	PSI NPT	APV	RB 1P NF LO LD	316	316 TRIM PTFE SEAT PTFE PKG	32
BALL	32	1 1/4	1000	PSI BW40	FLOWTURN	FB 3P NF LO LD SWING OUT	316	316 TRIM PTFE SEAT PTFE PKG	34
BALL	32	1 1/4	2000	PSI NPT	APV	FB 3P FS LO LD CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM PTFE SEAT GRP PKG	10
BALL	32	1 1/4	2000	PSI NPT	APV	FB 2P FS LO LD 800CL CHESTERTON 1622 FE PKG SWING OUT EXT STEM OPTION	WCB	316 TRIM RPTFE SEAT GRP PKG	10
BALL	32	1 1/4	2000	PSI NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER	A105/316	316 TRIM RPTFE SEAT	50
BALL	32	1 1/4	2000	PSI NPT	FLOWTURN	FB 2P NF LO SPRING LEVER DEADMAN	316	316 TRIM PTFE SEAT PTFE PKG	20
BALL	32	1 1/4	2000	PSI BSPT	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-6 SWING OUT	316/L	316 TRIM RPTFE SEAT GRP PKG	40
BALL	32	1 1/4	2000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 800CL 128SGV-G EXT STEM OPTION SWING OUT	316/L	316 TRIM RPTFE SEAT GRP PKG	40
BALL	32	1 1/4	2000	PSI SW	STARLINE	SB 3P FS LO LD NACE 800CL 228SGV-G SWING OUT	316/L	316 TRIM RPTFE SEAT GRP PKG	40
BALL	32	1 1/4	2000	PSI BSPT	STARLINE	SB 3P FS LO LD NACE 800CL 235RGR-G SWING OUT	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	35
BALL	32	1 1/4	2000	PSI SW	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT EXT STEM OPTION	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	60
BALL	32	1 1/4	2220	PSI NPT	STARLINE	FB 3P FS LO LD NACE 900CL 136SGS-G SWING OUT EXT STEM OPTION	316/L	316 TRIM CGPTFE SEAT GRP PKG	14
BALL	32	1 1/4	2220	PSI NPT	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	76
BALL	32	1 1/4	3000	PSI SW	STARLINE	SB 3P FS LO LD NACE 215NGS-G EXT STEM 25MM PORT	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	40
BALL	32	1 1/4	3705	PSI NPT	STARLINE	SB 3P FS LO LD 216NGS-G EXT STEM 25MM PORT	316/L	316 TRIM TEFZEL/DEVLON SEAT GRP PKG	40
BALL	32	1 1/4	4000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	8
BALL	32	1 1/4	6170	PSI NPT	SFEROVA	FB 2P FS LO LD NACE 2500CL	A105/LF2	316 TRIM 17-4 PH ST DELRIN SEAT GRP PKG	17
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	316	STELL TRIM STELL SEAT METAL SEAT F51+ENP ST	2
BALL	40	1 1/2	150	CL. RF	APV	FB 2P FL FS LO LD CN7M	A20	A20 TRIM RPTFE SEAT	14
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD CN3MCU	A20	A20 TRIM PTFE SEAT PTFE PKG	12
BALL	40	1 1/2	150	CL. FF	APV	FB 2P FS LO LD	BRZ	316 TRIM PTFE SEAT PTFE PKG	8
BALL	40	1 1/2	150	CL. RF	APV	FB 2P FS LO LD (5A)	CE3MN	SUPER DUPLEX RPTFE SEAT	10
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD CL VI	CF3M	316L+ STELL TRIM STELL SEAT	5
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD DUAL CERT CF8/CF3	CF8/CF3	304/LTRIM PTFE SEAT PTFE PKG	14
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD SLFSBV01 AGA APPROVED	CF8M	316 TRIM PTFE SEAT GRP/PKG	26
BALL	40	1 1/2	150	CL. RFSF	APV	RB 1P FS LO LD SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT 1622 GRP PKG	20
BALL	40	1 1/2	150	CL. UNDRILLRF	APV	FB 2P FS LO LD SLFSBV01	CF8M	316 TRIM PTFE SEAT PTFE GRP/PKG	10
BALL	40	1 1/2	150	CL. RF	APV	FB 2P FS LO LD MP	F51	F51 TRIM RPTFE SEAT	10
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD CD3MN	F51	F51 TRIM PTFE SEAT 1622 GRP PKG	2
BALL	40	1 1/2	150	CL. RF	APV	FB 2P FL FS (C278EQUIL) SUB-ASS	HAST	RPTFE CW12MW BODY	10
BALL	40	1 1/2	150	CL. RF	APV	FB 2P LO LD TI C2 & TIC5 FORGED SUB-ASS	TI	TITANIUM (99TI/GR2/GR5/6AI-40/B367C5)	6
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD CL VI UNI-D	WCB	304+ STELL TRIM STELL SEAT	35
BALL	40	1 1/2	150	CL. RFSF	APV	FB 2P FS LO LD NACE SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG	40
BALL	40	1 1/2	150	CL. RFSF	APV	RB 1P FS LO LD NACE SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	20
BALL	40	1 1/2	150	CL. UNDRILLRF	APV	FB 2P FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	304 TRIM PTFE SEAT GRP PKG	28
BALL	40	1 1/2	150	CL. RFSF	APV-FZV	FB 3P FS TM LO LD DBB CHEVRON/SHELL/BP APP	LF2	316 TRIM 316 + RPTFE SEAT GRP/VGLT	4
BALL	40	1 1/2	150	CL. RFSF	JC	FB 2P FS LO LD 515IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	24
BALL	40	1 1/2	150	CL. RFSF	JC	SB 1P FS LO LD 316 LD 715IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	6
BALL	40	1 1/2	150	CL. RF	JC	RB 1P FS LO LD 715LIQG	LCC	316 TRIM CGPTFE SEAT GRP PKG	10
BALL	40	1 1/2	150	CL. RFSF	JC	FB 2P FS LO LD 316 LD NACE 515AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	40	1 1/2	150	CL. RFSF	JC	SB 1P FS LO LD 316 LD NACE 715AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	30
BALL	40	1 1/2	150	CL. RFSF	JC	SB 1P FS LO LD 316 LD NACE 715AIT OFFSHORE SPEC	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	40
BALL	40	1 1/2	150	CL. RTJ	SFEROVA	FB 2P FS LO LD NACE	316	316 TRIM PTFE SEAT GRP PKG	2
BALL	40	1 1/2	150	CL. RFSF	STARLINE	FB 2P FL FS LO LD EXT 176°GT-G (OPT)	316/L	316 TRIM CGPTFE/PTFE/PEEK/TEFZ SEAT	12
BALL	40	1 1/2	150	CL. RFSF	STARLINE	FB 2P FS LO LD 175°GS-G	A105/LF2	316 TRIM CGPTFE/PEEK/GRP SEAT GRP PKG	35
BALL	40	1 1/2	150	CL. RFSF	STARLINE	SB 3P FS LO LD 235SGS-G	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	48
BALL	40	1 1/2	300	CL. RFSF	APV	FB 2P FS LO LD 425°C TIGHT SHUT OFF	316	316L+ STELL TRIM STELL SEAT METAL SEAT F51+ENP	2
BALL	40	1 1/2	300	CL. RFSF	APV	RB 1P FS LO LD NACE AGA APP	A105/LF2	316 TRIM RPTFE SEAT 1622 GRP PKG	30
BALL	40	1 1/2	300	CL. RFSF	APV	FB 2P FS LO LD 530IIT CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	10
BALL	40	1 1/2	300	CL. UNDRILLRF	APV	FB 2P FS LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	2
BALL	40	1 1/2	300	CL. RFSF	APV	FB 2P FS LO LD NACE SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG	32
BALL	40	1 1/2	300	CL. UNDRILLRF	APV	FB 2P FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	12
BALL	40	1 1/2	300	CL. RFSF	JC	FB 2P FS LO LD 530IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	20
BALL	40	1 1/2	300	CL. RFSF	JC	FB 2P FS LO LD 316 LD NACE 530AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG	60
BALL	40	1 1/2	300	CL. RFSF	JC	FB 1P FS LO LD 316 LD NACE 730AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	40	1 1/2	300	CL. RFSF	SFEROVA	FB 2P FL FS LO LD CRYGENIC -196°C	316/L	316 TRIM KELF SEAT GRP PKG LIP SEALS	3
BALL	40	1 1/2	300	CL. RFSF	STARLINE	FB 2P FL FS LO LD 176°GT-G EXT STEM (OPT)	316/L	316 TRIM PEEK/KELF /PTFE GRP SEAT	8
BALL	40	1 1/2	300	CL. RFSF	STARLINE	FB 2P FS LO LD 175SGS-G AGA APPROVED	A105/LF2	316 TRIM CGPTFE/PEEK SEAT GRP PKG	36
BALL	40	1 1/2	300	CL. RFSF	STARLINE	FB 3P FS LO LD 119SGS-G	F51	F51 TRIM CGPTFE SEAT GRP PKG	2

TYPE	SIZE		RATING	ENDS	MANUFACTURER		DESCRIPTION	BODY		TRIM	QTY
	MM	INCH									
BALL	40	1 1/2	600	CL. BW	APV	FB 3P FS		HAST	RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)		15
BALL	40	1 1/2	600	CL. RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI		A105/LF2	316 TRIM RPTFE SEAT VGLT/ED/GRP		7
BALL	40	1 1/2	600	CL. RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI		F51	F51 TRIM RPTFE SEAT VAED/GRP		3
BALL	40	1 1/2	600	CL. RFSF	STARLINE	FB 3P FL FS LO LD NACE 116SGS-G		316/L	316 TRIM CGPTFE SEAT GRP PKG F51 STEM		33
BALL	40	1 1/2	600	CL. RFSF X NPT	STARLINE	FB 3P FL FS LO LD NACE 116SGS-G		316/L	316 TRIM CGPTFE SEAT GRP PKG		30
BALL	40	1 1/2	600	CL. RFSF X NPT	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		30
BALL	40	1 1/2	600	CL. RTJ	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		40
BALL	40	1 1/2	600	CL. RTJUC	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		90
BALL	40	1 1/2	600	CL. RFSF	STARLINE	FB 2P FL FS LO LD NACE 119SGS-G		F51	F51 TRIM GPTFE SEAT VAED/GRP		4
BALL	40	1 1/2	600	CL. RTJUC	STARLINE	FB 3P FL FS LO LD NACE 119SGS-G		F51	F51 TRIM CGPTFE SEAT GRP PKG		2
BALL	40	1 1/2	2000	PSI BW40	APV	FB 3P FS LO LD CHESTERTON 1622 FE PKG SWING OUT		CF8M	316 TRIM PTFE SEAT GRP PKG		7
BALL	150	6	600	CL. RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI		A105/LF2	316 PEEK SEAT E985/GRP		1
BALL	300	12	600	CL. RFSF	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	316+TRIM PEEK SEATS E985/GRP F51 STEM		1
BALL	40	1 1/2	1000	PSI NPT/SW	APV	FB 3P/2P TI C2/C5 SUB-ASS SWING OUT		TITANIUM	EQUIV CR2, 99TI B367C2, GR5 6AI-4V B367 C5		15
BALL	40	1 1/2	1000	PSI BSPT	STARLINE	SB 3P LO LD NACE 256TTT SWING OUT		316/L	316 TRIM PTFE SEAT PTFE PKG		70
BALL	40	1 1/2	1500	CL. RFSF	APV	FB 3P FL FS LO LD NACE CHESTERTON 1622 FE PKG		A105N	316 TRIM RPTFE SEAT GRP PKG		20
BALL	40	1 1/2	1500	PSI BSPT	APV	FB 3P FL NF LO LD DUAL CERT CF8/CF3		CF8/CF3	316 TRIM PTFE SEAT PTFE		20
BALL	40	1 1/2	1500	PSI NPT	APV	FB 3P FS LO LD ALLOY 20 SUB-ASS		CF7M	A20 TRIM PTFE SEAT PTFE PKG		15
BALL	40	1 1/2	1500	PSI BW/BSP/NPT/SW	APV	FB 3P FS SUB-ASS SWING OUT		HAST	RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)		15
BALL	40	1 1/2	1500	PSI BSPT	SFEROVA	FB 3P NF LO LD PTFE SEALS		304	304 TRIM 1600 SEATS		20
BALL	40	1 1/2	1500	CL. RTJUC	SFEROVA	FB 2P FL FS LO LD NACE		316	316 TRIM DEVLON SEAT GRP PKG F51 STEM		12
BALL	40	1 1/2	1500	CL. RFSF	SFEROVA	FB 2P FL FS LO LD CL VI UNI-D		316/L	316+TCC TRIM STELL SEAT		1
BALL	40	1 1/2	1500	CL. RTJUC	SFEROVA	FB 2P FL FS LO LD NACE		A105/LF2	316 TRIM DEVLON SEAT GRP PKG F51 STEM		20
BALL	40	1 1/2	1500	CL. RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI		A105/LF2	316 TRIM CGPTFE SEAT VGLT/ED/GRP		15
BALL	40	1 1/2	1500	CL. RTJUC	SFEROVA	FB 2P FL FS LO LD NACE		A105/LF2	316 TRIM CGPTFE SEAT VGLT/ED/GRP		28
BALL	40	1 1/2	1500	CL. BW160	SFEROVA	FB 3P FL FS LO LD CL VI		F22	316+TCC TRIM STELL SEAT		1
BALL	40	1 1/2	1500	CL. RTJUC	SFEROVA	FB 3P FL FS LO LD NACE		F51	F51 TRIM DEVLON SEAT GRP/E985		1
BALL	40	1 1/2	1500	CL. PUPPBE160	STARLINE	FB 3P FL FS LO LD NACE 166NGV-G		316/L	316 TRIM DEVLON SEAT GRP PKG		8
BALL	40	1 1/2	1500	CL. RTJUC	STARLINE	FB 3P FL FS LO LD NACE 166PGE-G E985 O-RINGS		316/L	316 TRIM PEEK SEAT GRP PKG INC 718 STEM		7
BALL	40	1 1/2	1500	CL. RTJ X NPT	STARLINE	FB 3P FL FS LO LD NACE 165NGV-G		A105/LF2	316 TRIM DEVLON SEAT GRP PKG		20
BALL	40	1 1/2	1500	CL. RTJUC	STARLINE	FB 3P FL FS LO LD NACE 165NGV-G		A105/LF2	316 TRIM DEVLON SEAT GRP PKG F51 STEM		60
BALL	40	1 1/2	1500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE		A105/LF2	F51 TRIM NYLON SEAT VGLTED/GRP		19
BALL	40	1 1/2	1500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI		A105/LF2	316 TRIM PEEK SEAT VAED/GRP		32
BALL	40	1 1/2	1500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE 106NGE-G		F51	F51 TRIM DEVLON SEAT GRP/E985		1
BALL	40	1 1/2	1500	PSI BSPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS		CF8M	316 TRIM TM1600 SEATS		30
BALL	40	1 1/2	1500	PSI NPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS		CF8M	316 TRIM TM1600 SEATS		30
BALL	40	1 1/2	2000	PSI NPT	APV	FB 3P FS LO LD NACE 800CL CL VI CHESTERTON 1622 FE PKG SWING OUT		304	316+TCC TRIM STELL SEAT GRP PKG		2
BALL	40	1 1/2	2000	PSI NPT	APV	FB 3P FS LO LD NACE 800CL CL VI CHESTERTON 1622 FE PKG SWING OUT		316	316+TCC TRIM STELL SEAT GRP PKG		3
BALL	40	1 1/2	2000	PSI SW	APV	FB 3P FL FS LO LD CHESTERTON 1622 FE PKG SWING OUT		304L	304L TRIM PTFE SEAT PTFE+GRP PKG		20
BALL	40	1 1/2	2000	PSI SW	APV	FB 3P FL FS LO LD CHESTERTON 1622 FE PKG SWING OUT		316/L	316L TRIM PTFE SEAT PTFE+GRP PKG		20
BALL	40	1 1/2	2000	PSI BSP	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		CF8M	316 TRIM RPTFE SEAT GRP PKG		60
BALL	40	1 1/2	2000	PSI BSP	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		CF8M	316 TRIM RPTFE SEAT GRP PKG		40
BALL	40	1 1/2	2000	PSI BSP	APV	FB 3P FS LO LD SWING OUT		CF8M	316 TRIM RPTFE SEAT GRP PKG		20
BALL	40	1 1/2	2000	PSI BSP	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		CF8M	316 TRIM RPTFE SEAT GRP PKG		60
BALL	40	1 1/2	2000	PSI NPT	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		CF8M	316 TRIM RPTFE SEAT GRP PKG		100
BALL	40	1 1/2	2000	PSI NPT	APV	FB 3P FS LO LD SWING OUT		CF8M	316 TRIM PTFE SEAT GRP PKG		50
BALL	40	1 1/2	2000	PSI NPT	APV	FB 1P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		CF8M	316 TRIM PTFE SEAT GRP PKG		60
BALL	40	1 1/2	2000	PSI NPT	APV	FB 3P FS LO LD 800CL SWING OUT		CF8M	316 TRIM RPTFE SEAT PTFE PKG		80
BALL	40	1 1/2	2000	PSI PUPSW	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT		CF8M	316 TRIM RPTFE SEAT GRP PKG		60
BALL	40	1 1/2	2000	PSI BSP	APV	FB 3P FS LO LD NACE 800CL AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT		WCB	316 TRIM CPTE SEAT GRP PKG		30
BALL	40	1 1/2	2000	PSI NPT	APV	FB 2P FS LO LD NACE 800CL CHESTERTON 1622 FE PKG		WCB	316 TRIM RPTFE SEAT GRP PKG		60
BALL	40	1 1/2	2000	PSI NPT	APV	FB 3P FS LO LD NACE 800CL AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT		WCB	316 TRIM CPTE SEAT GRP PKG		80
BALL	40	1 1/2	2000	PSI NPT/BSP	APV-FLOWTURN	FB 2P FL FS C/W DEADMAN SR LEVER		A105/316	316 TRIM RPTFE SEAT		50
BALL	40	1 1/2	2000	PSI NPT	SFEROVA	FB 3P FS LO LD NACE SWING OUT		F51	F51 TRIM CGPTFE SEAT GRP PKG		4
BALL	40	1 1/2	2000	PSI BSP	STARLINE	FB 3P FS LO LD NACE 800CL 126RRR SWING OUT		316/L	316 TRIM PTFE SEAT PTFE PKG		50
BALL	40	1 1/2	2000	PSI BSP	STARLINE	FB 3P FS LO LD NACE 800CL 136RRR-G SWING OUT		316/L	316 TRIM RPTFE SEAT PTFE PKG		40
BALL	40	1 1/2	2000	PSI BW160	STARLINE	SB 3P FS LO LD NACE 800CL 226SGV-G SWING OUT		316/L	316 TRIM RPTFE SEAT GRP PKG		40
BALL	40	1 1/2	2000	PSI BW80	STARLINE	FB 3P FS LO LD NACE 800CL 136RRR-G SWING OUT		316/L	316 TRIM RPTFE SEAT PTFE PKG		10
BALL	40	1 1/2	2000	PSI BWTUBE	STARLINE	SB 3P FS LO LD NACE 800CL 226TTT SWING OUT		316/L	316 TRIM PTFE SEAT PTFE PKG		13
BALL	40	1 1/2	2000	PSI NPT	STARLINE	FB 3P FS LO LD 800CL EXT STEM L TEMP SWING OUT		316/L	316 TRIM TEFZEL SEAT GRP PKG		9
BALL	40	1 1/2	2000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 800CL 116SGS-G		316/L	316 TRIM CGPTFE SEAT GRP PKG		98
BALL	40	1 1/2	2000	PSI NPT	STARLINE	SB 3P FS LO LD NACE 800CL 235SGS-G SWING OUT		316/L	316 TRIM CGPTFE SEAT GRP PKG		30
BALL	40	1 1/2	2000	PSI PUPPBE80	STARLINE	FB 3P FS LO LD NACE 800CL 116NGS-G		316/L	316 TRIM DEVLON SEAT GRP PKG		38
BALL	40	1 1/2	2000	PSI SW	STARLINE	FB 3P FS LO LD NACE 800CL 136SGS-G SWING OUT		316/L	316 TRIM CGPTFE SEAT GRP PKG		98
BALL	40	1 1/2	2000	PSI BSP	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		95
BALL	40	1 1/2	2000	PSI BW160PUP	STARLINE	FB 3P FS LO LD NACE 800CL 115SGS-G		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		10
BALL	40	1 1/2	2000	PSI BW80	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		40
BALL	40	1 1/2	2000	PSI BW80	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		10
BALL	40	1 1/2	2000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 800CL 115PGS-G		A105/LF2	316 TRIM PEEK SEAT GRP PKG		100
BALL	40	1 1/2	2000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 800CL 115SGS-G		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		200
BALL	40	1 1/2	2000	PSI NPT	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		50
BALL	40	1 1/2	2000	PSI NPT	STARLINE	SB 3P FS LO LD NACE 800CL 235SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		300
BALL	40	1 1/2	2000	PSI PUPPBE80	STARLINE	FB 3P FS LO LD NACE 900CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		96
BALL	40	1 1/2	2000	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		38
BALL	40	1 1/2	2000	PSI SW	STARLINE	FB 3P FS LO LD NACE 800CL 135SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		200
BALL	40	1 1/2	2000	PSI BW80	STARLINE	FB 3P FS LO LD NACE 139SGS-G SWING OUT		A105/LF2	316 TRIM CGPTFE SEAT GRP PKG		200
BALL	40	1 1/2	2000	PSI SW	SUPERSEAL	FB 3P FL NF LO LD DUAL CERT 304/304L SWING OUT		F51	F51 TRIM CGPTFE SEAT GRP PKG		8
BALL	40	1 1/2	2000	PSI SW	SUPERSEAL	FB 3P FL NF LO LD DUAL CERT 304/304L SWING OUT		304L	304/304L TRIM PTFE SEAT PTFE PKG (NO EALATOMEI)		40
BALL	40	1 1/2	2000	PSI NPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS SWING OUT		316/L	316/316L TRIM 1600 SEATS		50
BALL	40	1 1/2	2000	PSI BSPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS DUAL CERT CF8/CF3 SWING OUT		CF8/CF3	304/L TRIM TM1600 SEATS		30
BALL	40	1 1/2	2000	PSI NPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS DUAL CERT CF8/CF3 SWING OUT		CF8/CF3	304/L TRIM TM1600 SEATS		30
BALL	40	1 1/2	2000	PSI BSPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS		CF8M	316 TRIM TM1600 SEATS		30
BALL	40	1 1/2	2000	PSI NPT	SUPERSEAL	FB 3P NF LO LD PTFE SEALS SWING OUT		CF8M	316 TRIM TM1600 SEATS		30
BALL	40	1 1/2	2220	PSI NPT	STARLINE	FB 3P FS LO LD NACE 900CL T115NGS-G		A105/LF2	316 TRIM DEVLON SEAT GRP PKG		400
BALL	40	1 1/2	2500	CL. RTJ	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG		316	316 TRIM PTFE SEAT GRP PKG		1
BALL	40	1 1/2	2500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105NGV-G		LF2	316 TRIM DEVLON SEAT VAED/GRP		10
BALL	40	1 1/2	3700	PSI BW160	APV	FB 2P FS LO LD CL VI 1500CL INTEG CHESTERTON 1622 FE PKG		304	316 +TCC TRIM STELL SEAT GRP PKG F51+ENP ST		1
BALL	40	1 1/2	3700	PSI NPT	APV	FB 2P FS LO LD CL VI 1500CL CHESTERTON 1622 FE PKG		F22	316+TCC TRIM STELL SEAT GRP PKG F51+ENP ST		1
BALL	40	1 1/2									

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	40	1 1/2	3700	PSI SW	STARLINE	FB 3P FS LO LD NACE 1500CL 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	20
BALL	40	1 1/2	3700	PSI BW160PUP	STARLINE	SB 2P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	40	1 1/2	3700	PSI BW80PUP	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	16
BALL	40	1 1/2	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	60
BALL	40	1 1/2	3700	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	400
BALL	40	1 1/2	3700	PSI PBE160PUP	STARLINE	FB 3P FS LO LD NACE 1500CL 165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	40	1 1/2	3700	PSI PUPPBE160	STARLINE	SB 3P FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	40	1 1/2	3700	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	30
BALL	40	1 1/2	3700	PSI PUPSW	STARLINE	FB 3P FS LO LD NACE 1500CL T165NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	35
BALL	40	1 1/2	3750	PSI NPT	STARLINE	FB 3P FS LO LD NACE 1500CL 169PGV-G	F51	F51 TRIM PEEK SEAT GRP PKG	5
BALL	40	1 1/2	6000	PSI PUPSW	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	316	316 TRIM NYLON SEAT GRP PKG	5
BALL	40	1 1/2	6000	PSI NPT	APV	FB 2P FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	WCB	316 TRIM DELRIN SEAT GRP PKG	35
BALL	40	1 1/2	6000	PSI NPT	SFEROVA	FB 2P FS LO LD NACE 2500CL	316	316 TRIM DELRIN SEAT GRP/VITON	20
BALL	40	1 1/2	6000	PSI PUPPBEXXS	SFEROVA	FB 2P FS LO LD NACE 2500CL INTEG	316/L	316 TRIM DELRIN SEAT GRP/VITON	8
BALL	40	1 1/2	6170	PSI NPT	SFEROVA	FB 2P FS LO LD NACE 2500CL	A105/LF2	316 TRIM DELRIN SEAT GRP/VITON	60
BALL	40	1 1/2	6170	PSI PUPPBEXXS	SFEROVA	FB 2P FS LO LD NACE 2500CL INTEG	A105/LF2	316 TRIM DELRIN SEAT GRP/VITON	5
BALL	40	1 1/2	TABLE E	UNDRILLFF	SUPERSEAL	FB 2P NF LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	5
BALL	40	1 1/2	TABLE E	FF	APV	FB 1P FS LO	WCB	316 TRIM PTFE SEAT PTFE PKG	18
BALL	50	2	125	CL FF	SUPERSEAL	FB 2P FL LO LD	CI	316 TRIM PTFE SEAT PTFE GRP	36
BALL	50	2	150	CL RFSF	APV	FB 1P FL FS LO EXT BONNET CRYO	316	316 TRIM KELF SEAT 1622 GRP PKG	2
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD 425°C TIGHT SHUT OFF	316	STELL TRIM STELL SEAT GRP PKG METAL SEAT F51+	3
BALL	50	2	150	CL RFSF	APV	FB 2P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT E985/GRP F51 STEM	4
BALL	50	2	150	CL RFSF	APV	FB 1P FL FS LO LD NACE SLFSBV02 CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	46
BALL	50	2	150	CL RF	APV	FB 2P FL FS LO LD F51 A995 4A	4A	F51 TRIM RPTFE SEAT	5
BALL	50	2	150	CL RF	APV	FB 2P FL FS LO LD F51 A995 4A	4A	F55 TRIM RPTFE SEAT SUPER DUPLEX	6
BALL	50	2	150	CL RF	APV	FB 2P FL FS	904L	904L TRIM RPTFE SEAT	5
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD NACE CN7M	A20	A20 TRIM PTFE SEAT PTFE PKG	8
BALL	50	2	150	CL RF/FF	APV	FB 2P LO LD NF AB2 B148 NI-AL-BRZ	ALBZ	K500 MONEL TRIM PTFE PKG GRP+PTFE PKG	4
BALL	50	2	150	CL RF/FF	APV	FB 1P LO LD NF AB2 B148 NI-AL-BRZ	ALBZ	K500 MONEL TRIM PTFE PKG GRP+PTFE PKG	5
BALL	50	2	150	CL RF	APV	FB 2P FL FS LO LD (5A) SUB-ASS	CE3MN	SUPER DUPLEX RPTFE SEAT	8
BALL	50	2	150	CL RFSF	APV	FB 2P FL LO 304 LD	CF3	304L TRIM PTFE SEAT PTFE PKG	30
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3	304L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	50	2	150	CL RFSF	APV	FB 2P FL LO 304 LD	CF3M	316L TRIM PTFE SEAT PTFE PKG	20
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3M	304L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8/CF3	304/L TRIM PTFE SEAT GRP PKG	28
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD	CF8M	316 TRIM PTFE/CP/PTFE SEAT GRP PTFE PKG	70
BALL	50	2	150	CL RFSF	APV	FB 1P FL FS LO SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE/CP/PTFE SEAT 1622 GRP PKG	30
BALL	50	2	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD SLFSBV01	CF8M	316 TRIM PTFE SEAT PTFE PKG	20
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD NACE	F51	F51 TRIM PTFE SEAT 1622 GRP PKG	3
BALL	50	2	150	CL RF	APV	FB 2P FL FS (C276EQUIL)	HAST	RPTFE CW12MW BODY	5
BALL	50	2	150	CL RFSF	APV	FB 1P FL FS LO EXT BONNET CHESTERTON 1622 FE PKG	LCC	316 TRIM RPTFE SEAT GRP PKG	16
BALL	50	2	150	CL RF	APV	FB 2P FL FS LO LD SUB-ASS	MONEL	MONEL 400 TRIM EQUIV RPTFE SEAT	6
BALL	50	2	150	CL RF	APV	FB 2P FL LO LD SUB-ASS	TI	TITANIUM (99T1/GR2/GR5/6A1-40/B367C5)	5
BALL	50	2	150	CL RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT 1622 GRP PKG	130
BALL	50	2	150	CL RFSF	APV	FB 1P FL FS LO LD NACE SLFSBV02 CHESTERTON 1622 FE PKG	WCB	316 TRIM CP/PTFE SEAT GRP PKG	30
BALL	50	2	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	20
BALL	50	2	150	CL RFSF	JC	FB 3P TM FS LO LD NACE SI 6015	A105/LF2	316 TRIM PTFE SEAT VAED/PKG	13
BALL	50	2	150	CL RF	JC	FB 2P FL NF LO LD 155IIT	CF8M	316 TRIM PTFE SEAT PTFE PKG	80
BALL	50	2	150	CL RFSF	JC	FB 2P FL FS LO LD NACE 515IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	75
BALL	50	2	150	CL RFSF	JC	FB 2P FL NF LO LD 155IIT	CF8M	316 TRIM RPTFE SEAT PTFE PKG	50
BALL	50	2	150	CL RFSF	JC	FB 1P FL FS LO LD NACE 715IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	12
BALL	50	2	150	CL RFSF	JC	FB 2P FL FS LO LD AF155IIR	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	50	2	150	CL RFSF	JC	FB 2P FL FS LO LD 316 LD NACE 515VIT	LCC	316 TRIM PTFE SEAT GRP PKG F51 STEM VGLT	25
BALL	50	2	150	CL RFSF	JC	FB 1P FL FS LO 715LICG	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	20
BALL	50	2	150	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	150
BALL	50	2	150	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	200
BALL	50	2	150	CL RFSF	JC	FB 1P FL FS LO 316 LD NACE 715AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	90
BALL	50	2	150	CL RFSF	JC	FB 1P FL FS LO 316 LD NACE 715AIT OFFSHORE SPEC	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	100
BALL	50	2	150	CL RFSF	JC	FB 2P FL LO LD AF155AIR	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	110
BALL	50	2	150	CL RFSF	JC	FB 2P TM FS LO LD NACE SI	WCC	316 TRIM RPTFE SEAT VAED/GRP	30
BALL	50	2	150	CL RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	4
BALL	50	2	150	CL RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT E985/GRP F51 STEM	4
BALL	50	2	150	CL RFSF	SFEROVA	FB 2P FL FS LO LD METAL SEAT ZERO LEAKAGE	A105/LF2	316+CC TRIM CC SEAT 400°C GRP PKG	4
BALL	50	2	150	CL RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED/GRP	16
BALL	50	2	150	CL RF	SFEROVA	FB 2P FL FS LO LD	F51	F51 TRIM RPTFE SEAT	5
BALL	50	2	150	CL RFSF	STARLINE	FB 2P FL FS LO LD EXT 178°GT-G (OPT)	316/L	316/L TRIM PTFE/RPTFE/PEEK PTE PKG	8
BALL	50	2	150	CL PUPBW40	STARLINE	FB 2P FL FS LO LD 175SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	50	2	150	CL RFSF	STARLINE	FB 2P FL FS LO LD 175°GS-G	A105/LF2	316 TRIM GRP OR PEEK SEAT GRP PKG	150
BALL	50	2	150	CL RFSF	STARLINE	FB 2P FL FS LO LD 175SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	150
BALL	50	2	150	CL RFSF	STARLINE	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED/GRP	20
BALL	50	2	150	CL RFSF	STARLINE	FB 2P FL FS LO LD 179SGS-G XYLAN	F51	316 TRIM CGPTFE SEAT GRP PKG	4
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO METAL STEM ZERO LEAKAGE 400°C	316	316+316-CC TRIM 316-CC SEAT GRP METAL SEAT	2
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO LD AGA APP CHESTERTON 1622 FE PKG	5A	F53 TRIM PTFE SEAT GRP PKG	3
BALL	50	2	300	CL RFSF	APV	FB 2P FL LO 304 LD DUAL CF8	CF3	304L TRIM PTFE SEAT PTFE PKG	40
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG DUAL CF8	CF3	304L TRIM PTFE SEAT GRP PKG	30
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG CF8M DUAL	CF3M	304L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	50	2	300	CL RFSF	APV	FB 2P FL LO LD CF8M DUAL	CF3M	316L TRIM F51 ST PTFE SEAT PTFE PKG	20
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	CF8/CF3	304/L TRIM PTFE SEAT GRP PKG	10
BALL	50	2	300	CL UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01 DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM PTFE SEAT PTFE PKG	10
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO LD EXT BONNET CRYO CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG 1101°C	3
BALL	50	2	300	CL UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	16
BALL	50	2	300	CL RFSF	APV	FB 1P FL FS LO LD SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	20
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO LD AGA APP CHESTERTON 1622 FE PKG	F51	F51 TRIM PTFE SEAT GRP PKG	3
BALL	50	2	300	CL RFSF	APV	FB 2P FL FS LO LD SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM F51 ST PTFE SEAT GRP PKG F51 STEM	70
BALL	50	2	300	CL RFSF	APV	FB 1P FL FS LO LD SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	30
BALL	50	2	300	CL RFSF	JC	FB 2P FL FS LO LD NACE 530IIT 316/F51/XM19 STEM	CF8M	316 TRIM F51 ST PTFE SEAT GRP PKG	26
BALL	50	2	300	CL RFSF	JC	SB 1P FL FS LO LD NACE 730IIT	CF8M	316 TRIM 316 ST PTFE SEAT GRP PKG	4
BALL	50	2	300	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 530LIT OFFSHORE SPEC DUAL WCC/WCB/LCB	LCC	316 TRIM F51 ST PTFE SEAT GRP PKG F51 STEM	40
BALL	50	2	300	CL RFSF	JC	FB 1P FL FS LO 316 LD NACE DUAL WCC/WCB/LCB	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	30
BALL	50	2	300	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	100
BALL	50	2	300	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	125
BALL	50	2	300	CL RFSF	JC	FB 1P FL FS LO 316 LD NACE 730AICG OFFSHORE SPEC	WCB	316 TRIM F51 ST CGPTFE SEAT GRP PKG F51 STEM	40
BALL	50	2	300	CL RFSF	JC	FB 2P FL FS LO LD NACE	WCB	316 TRIM PTFE SEAT E985/GRP	50
BALL	50	2	300	CL RFSF	JC	FB 2P TM FS LO LD NACE SI	WCC	316 TRIM RPTFE SEAT VAED/GRP	21
BALL	50	2	300	CL RFSF	SFEROVA	FB 2P FL FS LO LD CRYOGENIC -196°C EXT BONNET	316/L	316 TRIM KELF SEAT GRP PKG LIP SEALS	2

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	50	2	300 CL	RFSF	SFEROVA	FB 2P FL FS LO METAL STEM ZERO LEAKAGE 400°C	A105/LF2 F6A+316+CC TRIM 316+CC SEAT GRP METAL SEAT		1
BALL	50	2	300 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE	A105/LF2 316 TRIM RPTFE SEAT VGLT/ED/GRP 17-4PH STEM		30
BALL	50	2	300 CL	RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	A105N 316 TRIM RPTFE SEAT VAED/GRP 17-4PH STEM		40
BALL	50	2	300 CL	RFSF	SFEROVA	FB 2P FL FS LO LD	F51 F51 TRIM PTFE SEAT GRP PKG		2
BALL	50	2	300 CL	RFSF	STARLINE	FB 2P FL FS LO LD 176SGS-G -100°C EXT STEM (OPT)	316/L 316 TRIM KELF/CGTFE/PTEE/PEEK SEAT		9
BALL	50	2	300 CL	RFSF	STARLINE	FB 2P FL FS LO LD 175°GS-G	A105/LF2 316 TRIM GRP OR PEEK SEAT GRP PKG		70
BALL	50	2	300 CL	RFSF	STARLINE	FB 2P FL FS LO LD 175°GS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		70
BALL	50	2	300 CL	RFSF	STARLINE	FB 3P TM FS LO LD NACE 105SGV	A105/LF2 316 TRIM CGTFE SEAT VGLTED/GRP		16
BALL	50	2	600 CL	RFSF	APV	FB 3P FL FS LO LD NACE AGA APP	A105/LF2 316 TRIM RPTFE SEAT 1622GRP PKG		40
BALL	50	2	600 CL	RFSF	APV	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM RPTFE SEAT VAED/GRP		100
BALL	50	2	600 CL	RFSF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8/CF3 304/L TRIM PTFE SEAT GRP PKG		4
BALL	50	2	600 CL	RFSF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	CF8M 316 TRIM RPTFE SEAT GRP PKG		18
BALL	50	2	600 CL	RFSF	APV	FB 2P TM FS LO LD NACE	CF8M 316 TRIM RPTFE SEAT VGLT/ED GRP		5
BALL	50	2	600 CL	RFSF	APV	FB 2P FL FS LO LD NACE	F51 F51 TRIM RPTFE SEAT VGLT/GRP		3
BALL	50	2	600 CL	BW	APV	FB 3P FS SUB-ASS	HAST RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)		10
BALL	50	2	600 CL	RFSF	JC	FB 3P TM FS LO LD NACE SI	316 316 TRIM CPTFE SEAT VAED/GRP		10
BALL	50	2	600 CL	BW80	JC	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM RPTFE SEAT VAED/GRP		30
BALL	50	2	600 CL	RFSF	JC	FB 2P TM FS LO LD NACE SI	WCB 316 TRIM RPTFE SEAT VAED/GRP		46
BALL	50	2	600 CL	RFSF	JC	FB 2P TM FS LO LD NACE SI	WCC 316 TRIM RPTFE SEAT VAED/GRP		240
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316 316 TRIM CPTFE SEAT VGLT/ED GRP		17
BALL	50	2	600 CL	BW160	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM RPTFE SEAT VGLT/GRP		14
BALL	50	2	600 CL	BW40	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 ENP TRIM DEVLON SEAT VAED/GRP		80
BALL	50	2	600 CL	BW80PUP	SFEROVA	FB WB TM FS LO LD NACE SI	A105/LF2 316 TRIM PTFE SEAT VGLTED B/GRP		2
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO (316) LD NACE SI	A105/LF2 ENP TRIM DEVLON SEAT VGLT/ED GRP		100
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO (316) LD NACE SI	A105/LF2 ENP TRIM PEEK SEAT INCONEL 718 STEM		20
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO (316) LD NACE SI OFFSHORE SPEC	A105/LF2 316 TRIM DEVLON SEAT VAED/GRP		150
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM RPTFE SEAT VAED/GRP		200
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO (316) LD NACE SI	A105/LF2 316 TRIM RPTFE SEAT VITON B/GRP		20
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO NACE SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2 316 TRIM DEVLON SEAT VGLT/ED GRP 17-4PH ST		20
BALL	50	2	600 CL	RFBW80PUP	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM NYLON SEAT VGLTED B/GRP		12
BALL	50	2	600 CL	RFBW80PUP	SFEROVA	FB WB TM FS LO LD NACE SI	A105/LF2 316 TRIM PEEK SEAT VGLT/ED GRP		4
BALL	50	2	600 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		42
BALL	50	2	600 CL	RTJUC	SFEROVA	FB 3P FL FS LO LD NACE S31803 BOLTS	F51 F51 TRIM CGTFE SEAT GRP PKG		5
BALL	50	2	600 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	F51 F51 TRIM RPTFE SEAT GLTED/GRP		15
BALL	50	2	600 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 116°GS-G	316/L 316 TRIM CGTFE/PEEK/GRP SEAT		51
BALL	50	2	600 CL	BW80	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		60
BALL	50	2	600 CL	RFSF	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		105
BALL	50	2	600 CL	RFSF	STARLINE	RB 3P FL FS LO LD NACE 215SGS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		170
BALL	50	2	600 CL	RFSFXNPT	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		50
BALL	50	2	600 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2 316 TRIM CGTFE/PEEK/GRP SEAT F51 STEM		60
BALL	50	2	600 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 115°GS-G	A105/LF2 316 TRIM CGTFE SEAT E985/GRP		100
BALL	50	2	600 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105SGE-G	A105/LF2 316 TRIM CGTFE SEAT E985/GRP		100
BALL	50	2	600 CL	RTJUC	STARLINE	RB 3P TM FS LO LD NACE SI 205SGV-G	A105/LF2 316 TRIM CGTFE SEAT FR58/90/GRP		30
BALL	50	2	800 CL	PUPBW40	STARLINE	FB 3P FL FS LO LD 115°GS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		30
BALL	50	2	1000 PSI	NPT	APV	FB 2P FL FS LO LD NACE	316 316 TRIM PTFE SEAT PTFE PKG		60
BALL	50	2	1000 PSI	NPT/SW	APV	FB 3P/2P TI C2/C5 SWING OUT	TITANIUM EQUIV CR2 99TI B367C2 GR5 6AI-4V B367 C5		10
BALL	50	2	1000 PSI	BSP	SUPERSEAL	RB 1P FL LO LD	316 316 TRIM PTFE SEAT PTFE PKG		38
BALL	50	2	1000 PSI	BSP	SUPERSEAL	FB 2P FL LO LD	CF8M 316 TRIM PTFE SEAT PTFE PKG		40
BALL	50	2	1000 PSI	NPT	SUPERSEAL	RB 1P FL LO LD	CF8M 316 TRIM PTFE SEAT PTFE PKG		44
BALL	50	2	1000 PSI	SW	SUPERSEAL	FB 3P FL LO LD SWING OUT	CF8M 316 TRIM PTFE SEAT PTFE PKG		50
BALL	50	2	1440 PSI	SW LONG	STARLINE	FB 3P FL FS LO LD NACE 600CL 116SGS-G	316/L 316 TRIM RPTFE SEAT GRP PKG		30
BALL	50	2	1440 PSI	NPT X SW LONG	STARLINE	FB 3P FL FS LO LD NACE 600CL 115SGS-G	A105/LF2 316 TRIM CGTFE SEAT GRP PKG		150
BALL	50	2	1440 PSI	BW40PUP	STARLINE	FB 3P FL FS LO LD 800CL NACE	F51 F51 TRIM CGTFE SEAT VGLT/GRP		2
BALL	50	2	1500 CL	RFSF	APV	FB 3P FL FS LO LD	A105N 316 TRIM RPTFE SEAT VAED/GRP		50
BALL	50	2	1500 CL	RFSF	APV	FB 3P TM FS LO LD	A105N 316 TRIM RPTFE SEAT VAED/GRP		100
BALL	50	2	1500 PSI	BSPT	APV	FB 3P FL NF LO LD DUAL CERT CF8/CF3 SWING OUT	CF8/CF3 304/L TRIM RPTFE SEAT PTFE PKG		20
BALL	50	2	1500 PSI	NPT	APV	FB 3P FS AGA APP DUAL CERT CF8/CF3 SWING OUT	CF8/CF3 304/L TRIM RPTFE SEAT PTFE PKG		20
BALL	50	2	1500 PSI	NPT	APV	FB 3P FS LO LD ALLOY 20 SUB-ASS SWING OUT	CNM7 A20 TRIM PTFE SEAT PTFE PKG		15
BALL	50	2	1500 PSI	BW/NPT/SW/BSP	APV	FB 3P FS CD3MN (4N) SUB-ASS SWING OUT	F51/F53 CE3MN SUPER DUPLEX RPTFE		10
BALL	50	2	1500 PSI	BW/BSP/NPT/SW	APV	FB 3P FS SWING OUT	HAST RPTFE CW12MW BODY (C276 HASTELLOY EQUIV)		10
BALL	50	2	1500 PSI	NPT	APV	FB 3P FS M35-1 SUB-ASS SWING OUT	MONEL 400 TRIM RPTFE SEAT		10
BALL	50	2	1500 CL	RTJ	JC	FB 3P TM FS LO LD NACE SI	A105/LF2 316 TRIM DEVLON SEAT VAED/GRP		60
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	316 F51 TRIM DEVLON SEAT VAED/GRP		25
BALL	50	2	1500 CL	BW80	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM PEEK SEAT VGLTED/GRP		26
BALL	50	2	1500 CL	RFSF	SFEROVA	FB 3P FL FS LO LD NACE SI	A105/LF2 F51 TRIM DEVLON SEAT GRP PKG E985		100
BALL	50	2	1500 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 ENPH TRIM DEVLON SEAT VAED/GRP		75
BALL	50	2	1500 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM DEVLON SEAT VGLTED/GRP		100
BALL	50	2	1500 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI DIB-1	A105/LF2 ENPH TRIM DEVLON SEAT VAED/GRP		7
BALL	50	2	1500 CL	RTJ	SFEROVA	FB 3P TM FS LO 316 LD NACE SI OFFSHORE SPEC	A105/LF2 F51 TRIM DEVLON SEAT FR58/90/GRP		100
BALL	50	2	1500 CL	RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 ENPH TRIM PEEK SEAT VGLT/ED GRP		40
BALL	50	2	1500 CL	RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM PEEK SEAT VAED/GRP		130
BALL	50	2	1500 CL	RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 ENPH TRIM PEEK SEAT 17-4 STEM VGLTED		80
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO 316 LD NACE SI OFFSHORE SPEC	A105/LF2 F51 TRIM DEVLON SEAT VGLT/ED GRP		60
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM PEEK SEAT VAED/GRP		50
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM PEEK SEAT VAED/GRP		80
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 ENP TRIM PEEK SEAT VAED/GRP		30
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2 F51 TRIM DEVLON SEAT VGLT/ED GRP		20
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO LD ZERO LEAKAGE EXT.BON. HT100-MGG-G	A105/LF2 316+TCC TRIM TCC SEAT 400°C METAL SEAT F51+ENF		1
BALL	50	2	1500 CL	BW160	SFEROVA	FB 3P TM FS LO LD CL VI INTEG	F22 316+TCC TRIM STELL SEAT GRP PKG		1
BALL	50	2	1500 CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	F51 F51 TRIM PEEK SEAT VAED/GRP		16
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 106NGV	316 316 TRIM DEVLON SEAT VAED/GRP		26
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 166°GV-G (EXT BONNET STOCK)	316/L 316 TRIM DEVLON/PEEK SEAT		16
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 165°GV-G	A105/LF2 316 TRIM DEVLON/PEEK SEAT E985/GRP		130
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 165NGV-G	A105/LF2 316 TRIM F51 STEM DEVLON SEAT FR58/90/GRP		110
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105NGE	A105/LF2 316 TRIM DEVLON SEAT E985/GRP		120
BALL	50	2	1500 CL	RTJUC	STARLINE	RB 3P TM FS LO LD NACE SI 205NGV	A105/LF2 316 TRIM DEVLON SEAT FR58/90 GRP		20
BALL	50	2	1500 CL	RTJUC	STARLINE	SB 3P FL FS LO LD NACE	A105/LF2 316 TRIM DEVLON SEAT FR58/90/GRP		100
BALL	50	2	1500 CL	RTJUC	STARLINE	SB 3P TM FS LO LD NACE SI 205NGE	A105/LF2 316 TRIM DEVLON SEAT VAED/GRP		26
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 169NGE	F51 F51 TRIM DEVLON SEAT E985/GRP		8
BALL	50	2	1500 CL	RTJUC	STARLINE	FB 3P TM FS LO LD 109NGE 31803	F51 F51 TRIM DEVLON SEAT E985/GRP		4
BALL	50	2	2000 PSI	NPT	APV	FB 2P FL FS LO LD ISO 5208-A 800CL CHESTERTON 1622 FE PKG CHESTERTON 1622 FE PKG	316 316+STELL TRIM STELL SEAT GRP PKG		2
BALL	50	2	2000 PSI	SW	APV	FB 3P FL FS LO LD CHESTERTON 1622 FE PKG 304/304L DUAL SWING OUT	304L 304L TRIM PTFE SEAT PTFE+GRP PKG		30
BALL	50	2	2000 PSI	SW	APV	FB 3P FL FS LO LD CHESTERTON 1622 FE PKG SWING OUT	316L 316L TRIM RPTFE SEAT PTFE+GRP PKG		30
BALL	50	2	2000 PSI	NPT	APV	FB 3P FS LO LD SWING OUT	A105/LF2 316 TRIM RPTFE SEAT GRP PKG		80
BALL	50	2	2000 PSI	NPT	APV	FB 2P FL FS LO LD ISO 5208-A 800CL CHESTERTON 1622 FE PKG CHESTERTON 1622 FE PKG	A105N 316+STELL TRIM STELL SEAT GRP PKG		5

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	50	2	2000	PSI BW40	APV	FB 3P FL NF LO LD NACE 500CL AGA APPROVED DUAL CFB SWING OUT SWING OUT	CF3	304/L TRIM RPTFE SEAT PTFE PKG	38
BALL	50	2	2000	PSI SW	APV	FB 3P FL FS LO LD NACE 500CL AGA APPROVED DUAL CFB SWING OUT	CF3	304/L TRIM RPTFE SEAT PTFE PKG	28
BALL	50	2	2000	PSI SW	APV	FB 3P FL NF LO LD NACE 500CL AGA APPROVED DUAL CFB SWING OUT	CF3	304/L TRIM RPTFE SEAT PTFE PKG	28
BALL	50	2	2000	PSI BW40	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF3M	316L TRIM RPTFE SEAT GRP PKG	30
BALL	50	2	2000	PSI BW80	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF3M	316L TRIM RPTFE SEAT GRP PKG	30
BALL	50	2	2000	PSI SW	APV	FB 3P FL FS LO LD NACE 500CL AGA APPROVED SWING OUT	CF3M	304/L TRIM RPTFE SEAT PTFE PKG	28
BALL	50	2	2000	PSI SW	APV	FB 3P FL NF LO LD NACE 500CL AGA APPROVED SWING OUT	CF3M	304/L TRIM RPTFE SEAT PTFE PKG	28
BALL	50	2	2000	PSI BSPT	APV	FB 3P FL NF LO LD NACE 800CL AGA APP 1622 FE PKG SWING OUT	CF8/CF3	304/L TRIM TFM1600 SEAT PTFE PKG DUAL CERT CFB	20
BALL	50	2	2000	PSI BSPT	APV	FB 3P FL FS LO LD NACE 800CL AGA CHESTERTON 1622 FE PKG SWING OUT	CF8/CF3	304/L TRIM RPTFE SEAT PTFE PKG DUAL CERT CFB/C	33
BALL	50	2	2000	PSI NPT	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8/CF3	304/L TRIM RPTFE SEAT PTFE PKG DUAL CERT CFB/C	20
BALL	50	2	2000	PSI BSP	APV	FB 3P FL NF LO LD AGA APPROVED SWING OUT	CF8M	304/L TRIM RPTFE SEAT PTFE PKG	26
BALL	50	2	2000	PSI BSPT	APV	FB 3P FL NF LO LD AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT PTFE PKG	20
BALL	50	2	2000	PSI BSPT	APV	FB 2P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	89
BALL	50	2	2000	PSI BW40	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	30
BALL	50	2	2000	PSI NPT	APV	FB 2P FL FS LO LD 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	33
BALL	50	2	2000	PSI NPT	APV	FB 2P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM CPTFE SEAT GRP PKG	80
BALL	50	2	2000	PSI NPT	APV	FB 3P FL FS LO LD NACE 800CL AGA CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT 1622 GRP PKG	30
BALL	50	2	2000	PSI NPT	APV	FB 1P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	80
BALL	50	2	2000	PSI SW	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	50	2	2000	PSI SW	APV	FB 3P FL FS LO LD DUPLEX SUB-ASS SWING OUT	F44	F44 TRIM RPTFE SEAT	15
BALL	50	2	2000	PSI BSP	APV	FB 2P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	70
BALL	50	2	2000	PSI BSP	APV	FB 3P FL FS LO LD NACE 800CL AGA CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTFE SEAT 1622 GRP PKG	50
BALL	50	2	2000	PSI NPT	APV	FB 3P FL FS LO LD NACE 800CL AGA CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTFE SEAT 1622 GRP PKG	110
BALL	50	2	2000	PSI NPT	APV	FB 2P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	120
BALL	50	2	2000	PSI NPT	APV	FB 1P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	110
BALL	50	2	2000	PSI SW	APV	FB 3P FL FS LO LD NACE 800CL AGA CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM CPTFE SEAT 1622 GRP PKG	80
BALL	50	2	2000	PSI NPT/BSP	FLOWTURN	FB 2P FL FS DEADMAN LEVER SPRING RETURN	A105/316	316 TRIM RPTFE SEAT	30
BALL	50	2	2000	PSI NPT	SFEROVA	FB 3P FL FS LO LD NACE 800CL SWING OUT	F51	F51 TRIM RPTFE SEAT GRP PKG	6
BALL	50	2	2000	PSI BSP	STARLINE	FB 3P FL FS LO LD NACE 800CL 116"GT-G AGA APPROVED SWING OUT	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP/PTFE PKG	16
BALL	50	2	2000	PSI BSP	STARLINE	SB 3P FL FS LO LD NACE 800CL 236"GT-CG	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP/PTFE PKG	34
BALL	50	2	2000	PSI BSP	STARLINE	FB 3P FL FS LO LD NACE 800CL 116"GT-G AGA APPROVED	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP/PTFE PKG	40
BALL	50	2	2000	PSI BSP	STARLINE	SB 3P FL FS LO LD NACE 800CL 236"GT-G AGA APPROVED SWING OUT	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP/PTFE PKG	60
BALL	50	2	2000	PSI BW40 LONG	STARLINE	FB 3P FL FS LO LD NACE 800CL 116"GS-G SWING-OUT	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	40
BALL	50	2	2000	PSI BW41	STARLINE	SB 3P FL FS LO LD 800CL 236SGS-G SWING-OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	50
BALL	50	2	2000	PSI BW80	STARLINE	SB 3P FL FS LO LD 800CL 236SGS-G SWING-OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	50	2	2000	PSI BW80	STARLINE	SB 3P FL FS LO LD NACE 800CL 216SGS-G	316/L	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	50	2	2000	PSI BW80 LONG	STARLINE	FB 3P FL FS LO LD NACE 800CL 116"GS-G SWING-OUT	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	40
BALL	50	2	2000	PSI BW80PUP	STARLINE	SB 3P FL FS LO LD NACE 800CL 216SGS-G	316/L	316 TRIM CGPTFE SEAT GRP PKG	23
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 116SGS-G AGA APPROVED	316/L	316 TRIM CGPTFE SEAT GRP PKG	30
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD EXT STEM 800CL 116SGS-G	316/L	316 TRIM AGA APPROVED RPTFE SEAT GRP PKG	70
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 116NGS-G AGA APPROVED	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	100
BALL	50	2	2000	PSI NPT	STARLINE	SB 3P FL FS LO LD 236SGS-G 800CL SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	140
BALL	50	2	2000	PSI PUPPBE80	STARLINE	FB 3P FL FS LO LD NACE 800CL 116NGS-G	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	50
BALL	50	2	2000	PSI SW	STARLINE	SB 3P FL FS LO LD NACE 800CL 236SGS-G SWING OUT	316/L	316 TRIM CGPTFE SEAT GRP PKG	90
BALL	50	2	2000	PSI SW LONG	STARLINE	FB 3P FL FS LO NACE 800CL 116NGS-G	316/L	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	100
BALL	50	2	2000	PSI BSP	STARLINE	SB 3P FL FS LO LD NACE 800CL 236SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	50
BALL	50	2	2000	PSI BW80 LONG	STARLINE	FB 3P FL FS LO LD NACE 800CL 115NGS-G	A105/LF2	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	28
BALL	50	2	2000	PSI BW80PUP	STARLINE	FB 3P FL FS LO LD NACE 800CL T115NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	50	2	2000	CL. NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 115SGV-G AGA APPROVED	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	460
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	220
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 215SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	260
BALL	50	2	2000	PSI NPT	STARLINE	SB 3P FL FS LO LD NACE 800CL 235SGS-V SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	275
BALL	50	2	2000	PSI PUPPBE80	STARLINE	FB 3P FL FS LO LD NACE 800CL 115NGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	20
BALL	50	2	2000	PSI PUPPBE80	STARLINE	SB 3P FS LO LD NACE 800CL 215SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	40
BALL	50	2	2000	PSI PUPSW	STARLINE	SB 2P FL FS LO LD NACE 800CL T215NGV-G	A105/LF2	316 TRIM NYLON SEAT GRP PKG	80
BALL	50	2	2000	PSI SW	STARLINE	SB 3P FL FS LO LD NACE 800CL 235SGS-G SWING OUT	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	290
BALL	50	2	2000	PSI SW LONG	STARLINE	FB 3P FL FS LO LD NACE 800CL 115NGS-G/SGS-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	200
BALL	50	2	2000	PSI SW LONG X NPTF	STARLINE	FB 3P FL FS LO LD NACE 900CL 115NGS-G/SGS-G	A105/LF2	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	300
BALL	50	2	2000	PSI SW LONG X NPTF	STARLINE	FB 3P FL FS LO LD NACE 900CL 115NGS-G/SGS-G	A105/LF2	316 TRIM DEVLON/CGPTFE SEAT GRP PKG	300
BALL	50	2	2000	CL. SWLONGXNPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 115SGV-G AGA APPROVED	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	500
BALL	50	2	2000	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 800CL 119NGS-G	F51	F51 TRIM DEVLON SEAT GRP PKG	12
BALL	50	2	2000	PSI NPT	STARLINE	SB 3P FL FS LO LD NACE 800CL 239SGS-G SWING OUT	F51	F51 TRIM CGPTFE SEAT GRP PKG	10
BALL	50	2	2000	PSI BSP	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI BSP	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI NPT	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI NPT	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	304	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI NPT	SUPERSEAL	FB 3P FL NF LO LD 304/304L DUAL SWING OUT	304/L	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI SW	SUPERSEAL	FB 3P FL NF LO LD 304/304L DUAL SWING OUT	304/L	304 TRIM PTFE SEAT PTFE PKG	11
BALL	50	2	2000	PSI SW	SUPERSEAL	FB 3P FL NF LO LD 304/304L DUAL SWING OUT	304L	304L TRIM PTFE SEAT PTFE PKG(NO VITON)	20
BALL	50	2	2000	PSI SW	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	316L	316L TRIM RPTFE SEAT PTFE PKG	30
BALL	50	2	2500	CL. RTJ	APV	FB 3P TM FS LO LD NACE SI	A105N	F51 TRIM DEVLON SEAT VAED/GRP	16
BALL	50	2	2500	PSI NPT	APV	FB 2P FL FS LO LD NACE SI KF TYPE 2B CHESTERTON 1622 FE PKG	WCB	316 TRIM NYLON SEAT GRP PKG	84
BALL	50	2	2500	CL. RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	F51 TRIM DEVLON/PEEK SEAT VGLT/ED GRP	28
BALL	50	2	2500	CL. RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	F51	F51 TRIM PEEK SEAT E985/PKG	1
BALL	50	2	2500	CL. BWXXS	SFEROVA	FB 3P TM FS LO LD NACE SI INTEG	LF3	F51 TRIM DEVLON SEAT E985/GRP	2
BALL	50	2	2500	CL. RTJ	SFEROVA	FB 3P TM FS LO LD NACE SI	LF3	F51 TRIM DEVLON SEAT E985/GRP	5
BALL	50	2	2500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105NGE-G	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP	18
BALL	50	2	2500	CL. RTJ	STARLINE	FB 3P TM FS LO LD NACE SI 100PGE-G	LF2	F51 TRIM PEEK SEAT VGLT/ED GRP	10
BALL	50	2	2500	CL. RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 100NGE-G	LF2	F51 TRIM DEVLON SEAT E985/GRP	8
BALL	50	2	3000	PSI BSP	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	30
BALL	50	2	3705	PSI NPT	APV	FB 2P FL FS LO LD NACE 1500CL FS660 CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	100
BALL	50	2	3705	PSI NPT	APV	FB 2P FL FS LO LD NACE 1500CL FS660 CHESTERTON 1622 FE PKG	WCB	316 TRIM DEVLON SEAT GRP PKG	300
BALL	50	2	3705	PSI NPT	SFEROVA	FB 3P FS LO LD 1500CL FS660 SWING OUT	316/L	316 TRIM DEVLON SEAT GRP PKG	18
BALL	50	2	3705	PSI NPT	SFEROVA	FB 2P FL FS LO LD NACE 1500CL	F51	F51 TRIM DELRIN SEAT GRP PKG	6
BALL	50	2	3705	PSI NPT	SFEROVA	FB 3P FS LO LD 1500CL FS660 SWING OUT	LF2	316 TRIM DEVLON SEAT GRP PKG	40
BALL	50	2	3705	PSI NPT	SFEROVA	FB 2P FL FS LO LD 1500CL METAL SEAT ZERO LEAKAGE	LF2	316+CC TRIM CC SEAT EXT STEM	2
BALL	50	2	3705	PSI BW160PUP	STARLINE	FB 3P FL FS LO LD 1500CL 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	2
BALL	50	2	3705	PSI BW80	STARLINE	FB 3P FL FS LO LD NACE 1500CL 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	3
BALL	50	2	3705	PSI NPT	STARLINE	SB 2P FL FS LO LD NACE 1500CL T216NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	40
BALL	50	2	3705	PSI NPT	STARLINE	SB 3P TB FS LO LD 1500CL T216NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	20
BALL	50	2	3705	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 1500CL 166NGV-G	316/L	316 TRIM DEVLON SEAT GRP PKG	12
BALL	50	2	3705	PSI PUPPBE160	STARLINE	SB 3P FL FS LO LD NACE 1500CL T216NGV-G-4"	316/L	316 TRIM DELVON SEAT GRP PKG	15
BALL	50	2	3705	PSI BSP	STARLINE	SB 3P FL FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	50
BALL	50	2	3705	PSI BW160PUP	STARLINE	FB 3P FL FS LO LD NACE 1500CL 165NGV	A105/LF2	316 TRIM DELVON SEAT GRP PKG	38
BALL	50	2	3705	PSI NPT	STARLINE	SB 2P FL FS LO LD NACE 1500CL T215NGV-G	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	200

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	50	2	3705	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 1500CL 165NGV-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	104
BALL	50	2	3705	PSI PUPSW	STARLINE	SB 2P FL FS LO LD NACE 1500CL T215NGV-G-4"	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	170
BALL	50	2	3705	PSI SW LONG	STARLINE	FB 3P FL FS LO LD NACE 1500CL 165NGV-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	80
BALL	50	2	3750	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 1500CL 169NGE-G XYL	F51	F51 TRIM DEVLON SEAT GRP/E985	6
BALL	50	2	5000	PSI RTJ	APV	FB 3P TM FS LO LD NACE SI 2 1/16" 60K	4140	316 TRIM DEVLON SEAT VGLTED/GRP	8
BALL	50	2	5000	PSI RTJUC	APV	FB 3P TM FS LO LD NACE SI 2 1/16" 60K	4140	410 TRIM DEVLON SEAT VGLTED/GRP	4
BALL	50	2	6000	PSI NPT	APV	SB 2P FL FS LO LD NACE 2500CL FS660 CHESTERTON 1622 FE PKG	CF8M	316 TRIM DELRIN SEAT GRP PKG	60
BALL	50	2	6000	PSI BSP	APV	FB 2P FL FS LO LD NACE 2500CL CHESTERTON 1622 FE PKG	WCB	316 TRIM DELRIN SEAT GRP PKG	100
BALL	50	2	6000	PSI NPT	SFEROVA	FB 2P FL FS LO LD NACE 2500CL	316	316 TRIM DELRIN SEAT GRP PKG	30
BALL	50	2	6000	PSI NPT	SFEROVA	SB 2P FL FS LO LD NACE 2500CL	316	316 TRIM DELRIN SEAT GRP PKG	20
BALL	50	2	6000	PSI NPT	SFEROVA	SB 2P FL FS LO LD NACE 2500CL	A105N	316 TRIM DELRIN SEAT GRP PKG	20
BALL	50	2	6170	PSI BW160PUP	SFEROVA	FB 2P FL FS LO LD NACE 2500CL INTEG	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	30
BALL	50	2	6170	PSI BWXXSPUP	SFEROVA	FB 2P FL FS LO LD NACE 2500CL INTEG	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	30
BALL	50	2	6170	PSI NPT	SFEROVA	FB 2P FL FS LO LD NACE 2500CL	A105/LF2 316	TRIM DELRIN SEAT GRP PKG	400
BALL	50	2	6170	PSI NPT	SFEROVA	SB 2P FL FS LO LD NACE 2500CL	A105/LF2 316	TRIM DELRIN SEAT GRP PKG	250
BALL	50	2	6170	PSI PUPSW	SFEROVA	FB 2P FL FS LO LD NACE 2500CL INTEG	A105/LF2 316	TRIM DELRIN SEAT GRP PKG	60
BALL	50	2	6170	PSI PUPSWXNPT	SFEROVA	FB 2P FL FS LO LD NACE 2500CL INTEG	A105/LF2 316	TRIM DELRIN SEAT GRP PKG	20
BALL	50	2	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)	CI	304 TRIM PTFE SEAT	15
BALL	50	2	PN16	FF	SUPERSEAL	FB 2P FL LO LD (PN10 SAME)	DI	316 TRIM PTFE SEAT PKG	3
BALL	50	2	TABLE E	FF	APV	FB 2P FL LO LD SLBV01 DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM PTFE SEAT PTFE PKG	10
BALL	50	2	TABLE E	FF	APV	FB 2P FL LO LD SLBV01	CF8M	316 TRIM PTFE SEAT PTFE PKG	10
BALL	50	2	TABLE E	FF	APV	FB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	20
BALL	50	2	TABLE E	FF	SUPERSEAL	FB 2P FL LO LD	CI	316 TRIM PTFE SEAT PTFE PKG	40
BALL	50	2	TABLE H	RFSF	APV	FB 2P FL FS LO LD	CF8M	316 TRIM PTFE SEAT PTFE PKG	2
BALL	65	2 1/2	150	CL RF	APV	FB 2P FL FS LO LD	A20	A20 TRIM RPTFE SEAT	6
BALL	65	2 1/2	150	CL RF	APV	FB 2P FL FS LO LD (5A)	CE3MM	SUPER DUPLEX RPTFE SEAT	6
BALL	65	2 1/2	150	CL RFSF	APV	FB 2P FL FS LO LD SLFSBV01	CF8M	316 TRIM RPTFE SEAT GRP+PTFE PKG	59
BALL	65	2 1/2	150	CL UNDRILLRF	APV	FB 2P FL LO LD SLBV01	CF8M	316 TRIM PTFE SEAT PTFE PKG	30
BALL	65	2 1/2	150	CL RF	APV	FB 2P FL FS (C276OUIL)	HAST	RPTFE CW12MW BODY	3
BALL	65	2 1/2	150	CL RFSF	APV	FB 2P FL FS LO LD SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	LCB	316 TRIM PTFE SEAT 1622 GRP PKG	8
BALL	65	2 1/2	150	CL RFSF	APV	FB 2P FL FS LO LD SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG	30
BALL	65	2 1/2	150	CL RFSF	APV	FB 1P FL FS LO LD	WCB	316+STELL TRIM STELL SEAT	4
BALL	65	2 1/2	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	WCB	316 TRIM CPTE SEAT GRP PKG	6
BALL	65	2 1/2	150	CL RFSF	JC	FB 2P FL FS LO LD 515AIT AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT F51 ST GRP PKG	6
BALL	65	2 1/2	150	CL RF	SFEROVA	FB 2P FL FS LO LD CHEVRON/SHELL/BP APP	F51	F51 TRIM RPTFE SEAT	6
BALL	65	2 1/2	150	CL RFSF	STARLINE	FB 2P FL FS LO LD 175"GS-G	A105/LF2 316	TRIM CGPTFE/PEEK/GRP SEAT	2
BALL	65	2 1/2	300	CL UNDRILLRF	APV	FB 2P FL LO LD DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM PTFE SEAT PTFE PKG	2
BALL	65	2 1/2	300	CL UNDRILLRF	APV	FB 2P FL FS LO LD NACE	CF8M	316 TRIM PTFE SEAT PTFE PKG	3
BALL	65	2 1/2	300	CL RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	WCB	304 TRIM PTFE SEAT GRP PKG	3
BALL	65	2 1/2	600	CL RFSF	STARLINE	FB 3P FL FS LO LD NACE 116SGS-G	A105/LF2 316	TRIM CGPTFE SEAT GRP PKG	2
BALL	65	2 1/2	1000	PSI BSP	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	CF8M	316 TRIM RPTFE SEAT PTFE PKG	16
BALL	65	2 1/2	1440	PSI BW40	STARLINE	FB 3P FL FS LO LD NACE 600CL 116SGS-G	316/L	316 TRIM RPTFE SEAT GRP PKG	2
BALL	65	2 1/2	1500	PSI NPT	APV	FB 2P FL FS LO LD NACE 600CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	7
BALL	65	2 1/2	1500	CL RFSF	SFEROVA	FB 2P FL FS LO LD NACE	316	316 TRIM RPTFE SEAT GRP PKG	2
BALL	65	2 1/2	1500	CL RFSF	SFEROVA	FB 2P FL FS LO LD NACE	A105N	316 TRIM RPTFE SEAT GRP PKG	2
BALL	65	2 1/2	1500	PSI BSP	STARLINE	FB 3P FL FS LO LD NACE 600CL 116NGS-G	316/L	316 TRIM CGPTFE SEAT GRP PKG	8
BALL	65	2 1/2	1500	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 600CL 116NGS-G	316/L	316 TRIM CGPTFE SEAT GRP PKG	14
BALL	65	2 1/2	1500	PSI NPT	STARLINE	SB 3P FL FS LO LD NACE 600CL 216SGS-G	316/L	316 TRIM RPTFE SEAT GRP PKG	6
BALL	65	2 1/2	1500	PSI BSP	STARLINE	FB 3P FL FS LO LD NACE 600CL 115NGS-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	10
BALL	65	2 1/2	1500	PSI BW80LONG	STARLINE	FB 3P FL FS LO LD NACE 600CL 115NGS-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	8
BALL	65	2 1/2	1500	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 600CL 115NGS-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	8
BALL	65	2 1/2	1500	PSI SW	STARLINE	FB 3P FL FS LO LD NACE 600CL 115NGS-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	8
BALL	65	2 1/2	1500	PSI BSP	SUPERSEAL	FB 2P FL NF LO LD	CF8M	316 TRIM RPTFE SEAT PTFE PKG	11
BALL	65	2 1/2	1500	PSI BSP	SUPERSEAL	FB 3P FL NF LO LD SWING OUT	CF8M	316 TRIM RPTFE SEAT PTFE PKG	4
BALL	65	2 1/2	2000	PSI NPT	APV	FB 2P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	316	316 TRIM NYLON SEAT GRP PKG	4
BALL	65	2 1/2	2000	PSI NPT	APV	FB 3P FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	4
BALL	65	2 1/2	2000	PSI NPT	APV	FB WB FL FS LO LD NACE 800CL CHESTERTON 1622 FE PKG	WCB	316 TRIM NYLON SEAT GRP PKG	3
BALL	65	2 1/2	2000	PSI NPT/BSP	APV-FLOWTURN	FB 2P FL FS/NF EADMAN LEVER	A105/316	316 TRIM RPTFE SEAT	20
BALL	65	2 1/2	2000	PSI PUPSW	STARLINE	FB 3P FL FS LO LD NACE 800CL T115NGV-G	A105/LF2 316	TRIM DEVLON SEAT GRP PKG	5
BALL	65	2 1/2	2220	PSI NPT	STARLINE	FB 3P FL FS LO LD NACE 900CL T115NGV-G	A105/LF2 316	TRIM DELVON SEAT GRP PKG	8
BALL	65	2 1/2	2220	PSI NPT	STARLINE	SB 3P FL FS LO LD NACE 900CL 215SGS-G	A105/LF2 316	TRIM CGTTE SEAT GRP PKG	3
BALL	65	2 1/2	2400	PSI PUPSW	STARLINE	SB 3P FL FS LO LD NACE 900CL T215SGV-G	A105/LF2 316	TRIM CGPTFE SEAT GRP PKG	6
BALL	65	2 1/2	3700	PSI NPT	SFEROVA	FB 3P FL FS LO LD NACE 1500CL	A105/LF2 316	TRIM NYLON SEAT GRP PKG	3
BALL	65	2 1/2	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)	CI	304 TRIM PTFE SEAT	15
BALL	65	2 1/2	PN16	FF	SUPERSEAL	FB 2P FL LO LD (PN10 SAME)	DI	316 TRIM PTFE SEAT PKG	3
BALL	65	2 1/2	TABLE E	FF	APV	FB 2P FL NF LO DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM PTFE SEAT PTFE PKG	8
BALL	65	2 1/2	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO	CI	316 TRIM PTFE SEAT PTFE PKG	6
BALL	80	3	125	CL UNDRILLRF	SUPERSEAL	FB 2P FL NF LO	CI	316 TRIM PTFE SEAT PTFE PKG	10
BALL	80	3	150	CL RF	APV	FB 2P TM FS LO LD SI	316	316 TRIM PTFE SEAT GRP/E985	6
BALL	80	3	150	CL RF	APV	FB 2P TM FS LO LD SI	316	316 TRIM PTFE SEAT GRP/VGLT	6
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS A995 4A (F51) DUPLEX CHESTERTON 1622 FE PKG	4A	F51 TRIM PTFE SEAT GRP PKG	7
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS A995 4A (F51) DUPLEX CHESTERTON 1622 FE PKG	4A	F55 TRIM RPTFE SEAT GRP PKG SUPER DUPLEX	6
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO LD NACE (CN7M) CHESTERTON 1622 FE PKG	A20	A20 TRIM PTFE SEAT GRP PKG	5
BALL	80	3	150	CL RF/FF	APV	FB 2P LO LD NF AB2	ALBZ	K500 MONEL TRIM PTFE PKG GRP+PTFE PKG	4
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3	304/L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	80	3	150	CL RFSF	APV	FB 2P FL NF LO 304 LD	CF3	304/L TRIM PTFE SEAT PTFE PKG	30
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3M	304/L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	80	3	150	CL RFSF	APV	FB 2P FL LO 304 LD	CF3M	316/L TRIM PTFE SEAT PTFE PKG	20
BALL	80	3	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8/CF3	304/L TRIM PTFE SEAT GRP PKG	16
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO CL VI 329TCC ST.	CF8M	316+ST#6 TRIM ST#6 SEAT GRP/GRP F51+ENP ST	3
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO LD EXT BONNET CRYO CHESTERTON 1622 FE PKG	CF8M	316 TRIM TEFZEL SEAT GRP PKG	2
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT 1622 GRP PKG	46
BALL	80	3	150	CL RFSF	APV	FB 2P FL NF LO LD SLBV01 CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT PTFE GRP PKG	36
BALL	80	3	150	CL RFSF	APV	FB 1P FL FS LO LD SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT 1622 GRP PKG	20
BALL	80	3	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01	CF8M	316 TRIM PTFE SEAT GRP+PTFE PKG	6
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO LD NACE	F51	F51 TRIM RPTFE SEAT GRP	3
BALL	80	3	150	CL RFSF	APV	FB 1P FL FS LO LD EXT BONNET CHESTERTON 1622 FE PKG	LCC	316 TRIM PTFE SEAT GRP PKG	4
BALL	80	3	150	CL RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG	130
BALL	80	3	150	CL RFSF	APV	FB 1P FL FS LO LD NACE SLFSBV02 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT 1622 GRP PKG	54
BALL	80	3	150	CL UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	20
BALL	80	3	150	CL RF	JC	FB 2P FL NF LO LD 155IIT	CF8M	316 TRIM PTFE SEAT PTFE/GRP PKG	70
BALL	80	3	150	CL RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AIT METAL SEAT	CF8M	CLV	4
BALL	80	3	150	CL RFSF	JC	FB 2P FL FS LO LD NACE 515IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	36
BALL	80	3	150	CL RFSF	JC	FB 2P FL NF LO LD 155IIF	CF8M	316 TRIM RPTFE SEAT PTFE PKG	30
BALL	80	3	150	CL RFSF	JC	FB 2P FL FS LO LD AF155IIR	CF8M	316 TRIM RPTFE SEAT GRP PKG	85

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY	
	MM	INCH								
BALL	80	3	150	CL	RFSF	JC	FB 2P FL FS LO LD NACE 515LIT	LCC	316 TRIM PTFE SEAT GRP PKG F51 STEM	20
BALL	80	3	150	CL	RFSF	JC	FB 1P FL FS LO LD NACE 715LICG	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	10
BALL	80	3	150	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI	WCB	316 TRIM RPTFE SEAT VAED/GRP	20
BALL	80	3	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	100
BALL	80	3	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	150
BALL	80	3	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD 15515AIGF	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	90
BALL	80	3	150	CL	RFSF	JC	RB 1P FS LO 316 LD NACE 715AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG	90
BALL	80	3	150	CL	RFSF	JC	FB 1P FS LO 316 LD NACE 715AIT	WCB	316 TRIM PTFE SEAT GRP PKG	80
BALL	80	3	150	CL	RFSF	JC	FB 2P FL LO LD AF155AIR	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	100
BALL	80	3	150	CL	RF	SFEROVA	FB 2P TM FS LO LD SI	316	316 TRIM PTFE SEAT GRP/E985	6
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT VGLT/ED GRP	2
BALL	80	3	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD METAL TO METAL 400°C	316	CC BALL & SEAT ISO 5208-B	4
BALL	80	3	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD METAL TO METAL 400°C	316	CC BALL ST#6 SEAT ISO 5208-B	4
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT VGLT/ED GRP	6
BALL	80	3	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD CRYOGENIC -196°C EXT BONNET	316/L	316 TRIM KELF SEAT GRP PKG LIP SEALS	1
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENP TRIM RPTFE SEAT VAED/GRP	20
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP	26
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM CPTFE SEAT VAED/GRP	25
BALL	80	3	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD NACE	F51	F51 TRIM RPTFE SEAT GRP	2
BALL	80	3	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	F51	F51 TRIM RPTFE SEAT VGLT/ED GRP	3
BALL	80	3	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD CL VI	WCB	316+TCC TRIM STELL SEAT	3
BALL	80	3	150	CL	RFSF	STARLINE	FB 2P FL FS LO LD EXT 176"GT-G (OPT)	316/L	316 TRIM CGPTFE/PTFE/PEEK TEZF SEAT	3
BALL	80	3	150	CL	PUBW40	STARLINE	FB 2P FL FS LO LD NACE 175"GS-G	A105/LF2	316 TRIM CGPTFE/ GRP/PEEK SEAT	30
BALL	80	3	150	CL	RFSF	STARLINE	FB 2P FL FS LO LD NACE 175"GS-G	A105/LF2	316 TRIM CGPTFE/ GRP/PEEK SEAT	50
BALL	80	3	150	CL	RFSF	STARLINE	RB 3P FL FS LO LD NACE 225 KGS-G	A105/LF2	316 TRIM CGPTFE/ GRP/PEEK SEAT	30
BALL	80	3	300	CL	FF	APV	FB 2P FL FS LO LD	BRZ	BRZ TRIM PTFE SEAT PTFE PKG	2
BALL	80	3	300	CL	RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3	304L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	80	3	300	CL	RFSF	APV	FB 2P FL LO 304 LD	CF3	304L TRIM PTFE SEAT PTFE PKG	30
BALL	80	3	300	CL	RFSF	APV	FB 2P FL FS LO 304 LD CHESTERTON 1622 FE PKG	CF3M	304L TRIM PTFE SEAT PTFE+GRP PKG	20
BALL	80	3	300	CL	RFSF	APV	FB 2P FL LO 304 LD	CF3M	316L TRIM PTFE SEAT PTFE PKG	20
BALL	80	3	300	CL	RFSF	APV	FB 2P FL FS LO LD DUAL CERT CF8/CF3	CF8/CF3	304L TRIM PTFE SEAT GRP PTFE PKG	8
BALL	80	3	300	CL	RFSF	APV	SB 1P FL FS LO LD EXT BONNET CRYO CHESTERTON 1622 FE PKG	CF8/CF3	304L TRIM PTFE SEAT GRP PKG	30
BALL	80	3	300	CL	RFSF	APV	RB 1P FL FS LO LD SLFSBV02 CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	8
BALL	80	3	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE/CPTE SEAT PTFE/GRP PKG	20
BALL	80	3	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD CL VI	CF8M	316+STELL TRIM STELL SEAT	2
BALL	80	3	300	CL	RFSF	APV	FB 2P TM FS LO LD	LCC	316 TRIM CPTFE SEAT VAED GRP 17-4	20
BALL	80	3	300	CL	RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG F51 STEM	100
BALL	80	3	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD CL VI 329TCC ST.	WCB	316+STELL BALL STELL SEAT GRP/GRP	3
BALL	80	3	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	304 TRIM CPTFE SEAT GRP PKG	8
BALL	80	3	300	CL	RFSF	APV	FB 2P FL FS LO LD	WCC	MONEL TRIM PTFE SEAT PTFE PKG	1
BALL	80	3	300	CL	RFSF	JC	FB 2P FL FS LO LD 530IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	30
BALL	80	3	300	CL	RFSF	JC	RB 1P FL FS LO LD 730IIT	CF8M	316 TRIM PTFE SEAT GRP PKG	10
BALL	80	3	300	CL	RFSF	JC	FB 2P FL FS LO LD NACE 530LIT LT	LCC	316 TRIM PTFE SEAT GRP PKG F51 STEM	30
BALL	80	3	300	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	30
BALL	80	3	300	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	70
BALL	80	3	300	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 730AICG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	20
BALL	80	3	300	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 730AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	30
BALL	80	3	300	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI	WCC	316 TRIM RPTFE SEAT VAED/GRP	30
BALL	80	3	300	CL	RF	SFEROVA	FB 3P FL FS LO LD METAL TO METAL	316	CC BALL & SEAT ISO 5208-B	1
BALL	80	3	300	CL	BW40PUP	SFEROVA	FB WB TM FS LO LD NACE SI INTEG	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP	2
BALL	80	3	300	CL	RF	SFEROVA	FB 3P FL FS LO LD METAL TO METAL	A105/LF2	CC BALL & SEAT ZERO LEAKAGE	3
BALL	80	3	300	CL	RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	A105/LF2	316 TRIM CPTFE SEAT VGLT/ED GRP	20
BALL	80	3	300	CL	RFSF	SFEROVA	FB 2P TM FS LO LD NACE SI	A105/LF2	ENP TRIM CPTFE SEAT VAED/GRP17-4 ST	26
BALL	80	3	300	CL	RFSF	STARLINE	FB 2P FL FS LO LD 176"GS-G EXT STEM (OPT) B8M	316/L	316 TRIM KELF/GRP/PEEK SEAT	6
BALL	80	3	300	CL	BW40	STARLINE	FB 2P FL FS LO LD 175"GS-G	A105/LF2	316 TRIM CGPTFE/GRP/PEEK SEAT	35
BALL	80	3	300	CL	RFSF	STARLINE	FB 2P FL FS LO LD 175"GS-G	A105/LF2	316 TRIM CGPTFE/GRP/PEEK SEAT	50
BALL	80	3	300	CL	RFSF	STARLINE	RB 3P FL FS LO LD 215"GS-G	A105/LF2	316 TRIM CGPTFE/GRP/PEEK SEAT	8
BALL	80	3	600	CL	RFSF	APV	FB 2P FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	7
BALL	80	3	600	CL	RFSF	APV	FB 2P TM FS LO LD NACE SI	CF8M	316 TRIM RPTFE SEAT VAED/GRP	4
BALL	80	3	600	CL	SW	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	240
BALL	80	3	600	CL	RFSF	APV	FB 2P TM FS LO LD NACE FS9000	WCC	316 TRIM RPTFE SEAT VAED/GRP	70
BALL	80	3	600	CL	RFSF	APV-FZV	FB 3P TM FL LO LD NACE CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM CPTFE SEAT VAED/GRP	40
BALL	80	3	600	CL	RFSF	APV-FZV	FB 2P TM FS LO LD NACE A8904-A CHEVRON/SHELL/BP APP	F51	F51 TRIM RPTFE SEAT VAED/GRP	10
BALL	80	3	600	CL	RFSF	JC	FB 2P FS LO LD NACE 560	CF8M	316 TRIM RPTFE SEAT GRP PKG	4
BALL	80	3	600	CL	RFSF	JC	FB 2P FL FS LO LD NACE 560AIN	WCB	316 TRIM RPTFE SEAT GRP/VAED	40
BALL	80	3	600	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI 2560	WCB	316 TRIM RPTFE SEAT VAED/GRP	40
BALL	80	3	600	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI 2560AIGF	WCC	316 TRIM RPTFE SEAT VAED/GRP	150
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316/L	316 TRIM CPTFE SEAT PTFE/GRP	10
BALL	80	3	600	CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	316/L	316 TRIM CPTFE SEAT VAED/GRP	6
BALL	80	3	600	CL	RFSF	SFEROVA	FB 2P TM FS GO LD METAL TO METAL 400°C	A105	ENP 316+CC TRIM CC SEAT ISO 5208-B F51+ENP ST	1
BALL	80	3	600	CL	BW40	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM CPTFE SEAT VGLT/ED/GRP	90
BALL	80	3	600	CL	BW80	SFEROVA	FB 2P FL FS LO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	30
BALL	80	3	600	CL	BW80PUP	SFEROVA	FB WB TM FS LO LD NACE	A105/LF2	316 TRIM DEVLON SEAT GRP PKG	10
BALL	80	3	600	CL	BW80PUP X RF	SFEROVA	FB WB TM FS LO LD NACE	A105/LF2	316 TRIM DEVLON SEAT GRP PKG 17-4 PH ST	5
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO NACE SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP 17-4PH ST	16
BALL	80	3	600	CL	RFSF	SFEROVA	RB 3P TM FS LO (316) LD NACE SI DIB-1 OR DIB-2	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED-GRP	12
BALL	80	3	600	CL	RFSF	SFEROVA	FB 2P FL FS LO LD NACE SI	A105/LF2	ENP TRIM RPTFE SEAT GRP PKG 17-4 PH STEM	80
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO (316) NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED-GRP	40
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP	135
BALL	80	3	600	CL	RFSF	SFEROVA	RB 3P TM FS LO (316) LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED-GRP	60
BALL	80	3	600	CL	RFXBW40	SFEROVA	FB 3P TM FS LO LD NACE	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED/GRP	30
BALL	80	3	600	CL	RFXBW40	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	6
BALL	80	3	600	CL	RTJUC	SFEROVA	FB 3P FL FS LO LD NACE	A105/LF2	316 TRIM CPTFE SEAT GRP PKG	60
BALL	80	3	600	CL	RTJUC	SFEROVA	FB 3P TM FS LO (316) NACE SI	A105/LF2	316 TRIM CPTFE SEAT FR58/90-GRP	80
BALL	80	3	600	CL	RTJUC	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM PEEK SEAT VGLT/ED/GRP	46
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO 316 LD NACE SI	A105/LF2	ENPH TRIM PEEK SEATS INCONEL 718 STEM	10
BALL	80	3	600	CL	RTJUC	SFEROVA	FB 3P FL FS LO LD NACE	A105/LF2	316 TRIM PEEK SEAT GRP PKG	40
BALL	80	3	600	CL	BW80	SFEROVA	FB WB TM FS LO LD NACE	A105N	316 TRIM RPTFE SEAT GRP PKG	4
BALL	80	3	600	CL	RFSF	SFEROVA	FB 2P TM FS GO LD NACE	F51	F51 TRIM PEEK SEAT VAED/GRP	8
BALL	80	3	600	CL	RFSF	SFEROVA	FB 2P TM FS GO LD NACE	F51	F51 TRIM PEEK SEAT GRP	10
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	F51	F51 TRIM CPTFE SEAT VGLT/ED/GRP	8
BALL	80	3	600	CL	RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI	F51	F51 TRIM PEEK SEAT VAED/GRP	14
BALL	80	3	600	CL	RFSF	STARLINE	SB 3P FL FS LO LD NACE 215SGS-G 2.5" ID	316/L	316 TRIM CGPTFE/PEEK/GRAPH SEAT	8
BALL	80	3	600	CL	BW80	STARLINE	FB WB TM FS LO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP	4
BALL	80	3	600	CL	BW80	STARLINE	SB 3P FL FS LO LD NACE 215SGS-G 2.5" ID	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	30

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	80	3	600 CL	RTJUC	STARLINE	FB 3P FL FS LO LD NACE 115"GS-G	A105/LF2 316 TRIM	CGPTFE/PEEK/GRAPH SEAT	12
BALL	80	3	600 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105NGE-G	A105/LF2 316 TRIM	DEVLON SEAT E985/GRP	40
BALL	80	3	600 CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 205SGV	A105/LF2 316 TRIM	CGPTFE SEAT VAED/GRP	25
BALL	80	3	600 CL	RTJUC	STARLINE	SB 3P FL FS LO LD NACE 215"GS-G 2.5" ID	A105/LF2 316 TRIM	CGPTFE/GRAPHITE SEAT	9
BALL	80	3	600 CL	RTJUC	STARLINE	SB 3P FL FS LO LD NACE 215SGS-G 2.5" ID	A105/LF2 316 TRIM	PEEK SEAT GRP PKG	18
BALL	80	3	600 CL	RTJUC	STARLINE	SB 3P FL FS LO LD NACE 215SGS-G 2.5" ID	A105/LF2 316 TRIM	CGPTFE SEAT GRP PKG	42
BALL	80	3	900 CL	SW	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	240
BALL	80	3	900 CL	RTJ	JC	FB 3P TM FS LO LD 6090	A105/LF2	ENPH TRIM PEEK SEAT VAED/GRP	10
BALL	80	3	900 CL	RTJUC	JC	FB 3P TM FS GO NACE SI 6090	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP	22
BALL	80	3	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	316	F51 TRIM DEVLON SEAT VGLT/ED GRP	3
BALL	80	3	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	10
BALL	80	3	900 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP	26
BALL	80	3	900 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	30
BALL	80	3	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLT/ED GRP	21
BALL	80	3	900 CL	RTJ	SFEROVA	FB 3P TM FS LO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VGLT/ED GRP	20
BALL	80	3	900 CL	RTJ	SFEROVA	FB 3P TM FS LO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	20
BALL	80	3	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	14
BALL	80	3	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	20
BALL	80	3	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	2
BALL	80	3	900 CL	RTJUC	SFEROVA	FB 3P TM FS LO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	6
BALL	80	3	900 CL	RTJUC	STARLINE	FB 3P TM FS LO NACE SI	A105/LF2	F51 TRIM CGPTFE SEAT VGLT/ED GRP	8
BALL	80	3	1000 PSI	BSP	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	8
BALL	80	3	1000 PSI	NPT	APV	FB 3P FL FS LO LD AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	CF8M	316 TRIM NYLON SEAT GRP PKG	5
BALL	80	3	1000 PSI	BSPT	APV	FB 2P FL FS LO NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM TFM4215 SEAT GRP PKG	3
BALL	80	3	1000 PSI	NPT	APV	FB 2P FL FS LO NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM TFM4215 SEAT GRP PKG	30
BALL	80	3	1000 PSI	SW	APV	FB 2P FL FS LO LD NACE	WCB	316 TRIM RPTFE SEAT PTFE PKG	235
BALL	80	3	1000 PSI	SW	APV	FB 3P FL FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG SWING OUT	WCB	316 TRIM RPTFE SEAT GRP PKG	16
BALL	80	3	1000 PSI	BW90 LONG	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G +101°C	316/L	316 TRIM CGPTFE SEAT GRP PKG EXT BONNET OPTI	4
BALL	80	3	1000 PSI	NPT	STARLINE	FB 3P FL FS LO LD NACE 116NGG-G	316/L	316 TRIM DEVLON/PEEK/RPTFE SEAT GRP PKG	20
BALL	80	3	1000 PSI	BW80 LONG	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	10
BALL	80	3	1000 PSI	NPT	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	24
BALL	80	3	1000 PSI	SW	STARLINE	FB 3P FL FS LO LD NACE 115SGS-G	A105/LF2	316 TRIM CGPTFE SEAT GRP PKG	24
BALL	80	3	1000 PSI	BSP	SUPERSEAL	FB 2P FL LO LD	CF8M	316 TRIM RPTFE SEAT PTFE PKG	6
BALL	80	3	1000 PSI	NPT	SUPERSEAL	FB 3P FL LO LD SWING OUT	CF8M	316 TRIM PTFE SEAT PTFE PKG	10
BALL	80	3	1000 PSI	NPT	SUPERSEAL	FB 3P FL LO LD SWING OUT	CF8M	316 TRIM RPTFE SEAT PTFE PKG	11
BALL	80	3	1000 PSI	NPT	SUPERSEAL	FB 3P FL LO LD SWING OUT	WCB	304 TRIM RPTFE SEAT PTFE PKG	10
BALL	80	3	1480 PSI	NPT	STARLINE	FB 3P FL FS LO LD NACE 600CL T115NGV-G	A105/LF2	316 TRIM DELVON SEAT GRP PKG	34
BALL	80	3	1480 PSI	NPT	STARLINE	SB 3P FL FS LO LD NACE 600CL 215SGS-G	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	29
BALL	80	3	1500 PSI	BW40	APV	FB WB FL FS LO LD NACE	CF8M	316 TRIM RPTFE SEAT VITON B/GRP	3
BALL	80	3	1500 PSI	NPT	APV	FB 2P FL FS LO LD NACE	CF8M	316 TRIM RPTFE SEAT VITON B/GRP	38
BALL	80	3	1500 CL	RTJ	JC	FB 3P TM FS LO LD NACE SI 6050	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP	12
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	316	F51 TRIM DEVLON SEAT VAED/GRP	3
BALL	80	3	1500 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	20
BALL	80	3	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC	A105/LF2	F51 TRIM DEVLON SEAT FRS8/90/GRP	30
BALL	80	3	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT VAED/GRP	29
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLT/ED GRP	36
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	60
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	46
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	2
BALL	80	3	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	1
BALL	80	3	1500 PSI	NPT	STARLINE	FB 3P FL FS LO LD 176"*** 600CL EXT STEM (OPT) B8M	316/L	316 TRIM KELP/GRP/PEEK SEAT	15
BALL	80	3	1500 CL	RTJUC	STARLINE	FB 3P TM FS GO NACE SI 105NGE-G	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP	20
BALL	80	3	1500 PSI	BSP	SUPERSEAL	FB 2P FL LO LD	CF8M	316 TRIM RPTFE SEAT PTFE PKG	13
BALL	80	3	1800 PSI	BW80 LONG	STARLINE	SB 3P FL FS LO LD NACE 600CL 216SGS-G	316/L	316 TRIM RPTFE SEAT VITON B/GRP	2
BALL	80	3	1800 PSI	NPT	STARLINE	SB 3P FL FS LO LD NACE 600CL 216NGS-G	316/L	316 TRIM NYLON SEAT GRP PKG	6
BALL	80	3	1800 PSI	SW	STARLINE	SB 3P FL FS LO LD NACE 600CL 216SGS-G	316/L	316 TRIM RPTFE SEAT VITON B/GRP	5
BALL	80	3	1800 PSI	SW	STARLINE	SB 3P FL FS LO LD NACE 600CL 215SGG-G	A105/LF2	316 TRIM CGTFE SEAT GRP PKG	28
BALL	80	3	2000 PSI	NPT	APV	FB 2P FL FS LO LD NACE 800CL	316	316 TRIM DELRIN SEAT VITON B/GRP	20
BALL	80	3	2000 PSI	NPT	APV	FB 2P FL FS LO LD NACE 800CL	WCB	316 TRIM DELRIN SEAT VITON B/GRP	180
BALL	80	3	2000 PSI	NPT	SFEROVA	FB 2P FL FS LO LD NACE	316	316 TRIM DELRIN SEATS GRP PKG	4
BALL	80	3	2000 PSI	NPT	SFEROVA	SB 2P FL FS LO LD NACE 800CL	316	316 TRIM DEVLON SEAT VITON/GRP	8
BALL	80	3	2000 PSI	NPT	SFEROVA	FB 2P FL FS LO LD NACE 800CL	A105/LF2	316 TRIM DELRIN SEAT VITON GRP	2
BALL	80	3	2000 PSI	NPT	STARLINE	SB 3P FL FS LO LD NACE 800CL	A105/LF2	316 TRIM DEVLON SEAT VITON GRP	100
BALL	80	3	2160 PSI	NPT	APV	FB 2P FL FS LO LD 900CL 2D KF CH SI	WCB	316 TRIM DELRIN SEAT VITON B/GRP	90
BALL	80	3	2220 PSI	NPT	SFEROVA	SB 2P FL FS LO LD NACE 900CL	WCB	316 TRIM DEVLON SEAT VAED/GRP	98
BALL	80	3	2500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI 105NGE-G	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP	2
BALL	80	3	2500 CL	PUPXXS	STARLINE	FB 3P TM FS GO NACE 205NGV-G	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	2
BALL	80	3	2500 CL	RTJ	STARLINE	FB 3P TM FS GO NACE SI 105NGE-G	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP	8
BALL	80	3	2500 CL	RTJUC	STARLINE	FB 3P TM FS GO NACE SI 105PGE-G	A105/LF2	F51 TRIM PEEK SEAT E985/GRP	4
BALL	80	3	3000 PSI	NPT	APV	FB 2P FL FS LO LD NACE	WCB	316 TRIM RPTFE SEAT VITON B/GRP	100
BALL	80	3	3000 PSI	RTJ	SFEROVA	FB 3P TM FS GO NACE SI 3 1/8"	4140	F51 TRIM DEVLON SEAT VAED/GRP	2
BALL	80	3	3000 PSI	NPT	SFEROVA	FB 3P FL FS LO LD	A105N	316 TRIM DEVLON SEAT VAED/GRP	100
BALL	80	3	3700 PSI	NPT	APV	FB 2P FL FS LO LD NACE 1500CL	316	316 TRIM DELRIN SEAT VITON B/GRP	2
BALL	80	3	3700 PSI	NPT	SFEROVA	FB 3P FL FS LO LD NACE 1500CL	316	316 TRIM NYLON SEAT VAED/GRP	1
BALL	80	3	3700 PSI	NPT	SFEROVA	FB 2P FL FS LO LD NACE 1500CL	A105/LF2	316 TRIM DELRIN SEAT VITON B/GRP	30
BALL	80	3	3705 PSI	NPT	SFEROVA	SB 2P FL FS LO LD NACE	A105N	316 TRIM DELRIN SEAT VAED	80
BALL	80	3	5000 PSI	RTJ	APV	FB 3P TM FS GO NACE SI 3 1/8" 6A	4140	316 TRIM DEVLON SEAT VGLT/ED GRP	5
BALL	80	3 1/8	5000 PSI	RTJ	APV	FB 3P TM FS GO NACE	4140	F51 TRIM DEVLON SEAT VGLT/ED GRP	5
BALL	80	3 1/8	5000 PSI	RTJ	SFEROVA	FB 3P TM FS GO NACE	4140	ENP TRIM NYLON SEAT VGLT/ED GRP	1
BALL	80	3	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)	CI	304 TRIM PTFE SEAT	10
BALL	80	3 1/8	PN16	FF	APV	FB 2P FL FS LO LD	WCC	410 TRIM PTFE SEAT PTFE PKG	5
BALL	80	3	PN16	RF	SUPERSEAL	FB 2P FL LO LD (PN10 SAME)	DI	316 TRIM PTFE SEAT PKG	2
BALL	80	3	TABLE E	FF	APV	FB 2P FL LO	CF8M	316 TRIM PTFE SEAT PTFE PKG	5
BALL	80	3	TABLE E	FF	SUPERSEAL	FB 2P FL LO DUAL CERT CF8/CF3	CF8/CF3	304/L TRIM PTFE SEAT PTFE PKG	6
BALL	80	3	TABLE E	FF	SUPERSEAL	FB 2P FL LO	CI	316 TRIM PTFE SEAT PTFE PKG	9
BALL	80	3	TABLE H	FF	APV	FB 2P FL LO	BRZ	316 TRIM PTFE SEAT PTFE PKG	2
BALL	100	4	125 CL	FF	SUPERSEAL	FB 2P FL FS LO LD	CI	316 TRIM PTFE SEAT PTFE PKG	10
BALL	100	4	150 CL	RFSF	APV	FB 2P FL FS LO LD CN7M	A20	A20 TRIM PTFE SEAT PTFE PKG	3
BALL	100	4	150 CL	RF/FF	APV	FB 2P LO LD NF AB2 B148 NI-AL-BRZ	ALBZ	K500 MONEL TRIM PTFE PKG GRP+PTFE PKG	4
BALL	100	4	150 CL	RF/FF	APV	FB 1P LO LD AB2 B148 NI-AL-BRZ 316 TOP PARTS	ALBZ	K500 MONEL TRIM PTFE PKG GRP+PTFE PKG	6
BALL	100	4	150 CL	RFSF	APV	FB 2P NF LO LD (CF8 DUAL CERT) ELASTOMER FREE	CF3	304/304L TRIM PTFE SEAT PTFE PKG	20
BALL	100	4	150 CL	RFSF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8	304 TRIM PTFE SEAT GRP PKG	11
BALL	100	4	150 CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01	CF8	304 TRIM PTFE SEAT GRP PKG	4
BALL	100	4	150 CL	RFSF	APV	FB 2P FL FS LO 316 LD NACE 515AIT METAL SEAT ISO5208-AA	CF8M	CLV 316+ STELLITE TRIM F51+ENP ST	3
BALL	100	4	150 CL	RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	20

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY	
	MM	INCH								
BALL	100	4	150	CL	RFSF	APV	FB 2P TM FS LO LD NACE SI	CF8M	316 TRIM PTFE SEAT E985GRP	6
BALL	100	4	150	CL	RFSF	APV	RB 1P FS LO LD NACE SLFSBV02 AGA APP CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT 1622 GRP PKG	20
BALL	100	4	150	CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLBVO1	CF8M	316 TRIM PTFE SEAT PTFE PKG	5
BALL	100	4	150	CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APPROVED	CF8M	316 TRIM RPTFE SEAT GRP/PTFE PKG	8
BALL	100	4	150	CL	RF	APV	FB 2P FL FS (C278EQUIL)	HAST	RPTFE CW12MW BODY	3
BALL	100	4	150	CL	RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 CHESTERTON 1622 FE PKG	LCB	316 TRIM PTFE SEAT GRP PKG	16
BALL	100	4	150	CL	RFSF	APV	FB 2P FL FS LO LD 329TCC ST METAL SEAT API598-METAL	WCB	316+TCC TRIM TCC SEAT GRP/GRP	3
BALL	100	4	150	CL	RFSF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APP CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT 1622 GRP PKG	65
BALL	100	4	150	CL	RFSF	APV	RB 1P FL FS LO LD NACE SLFSBV02 AGA APP CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT 1622 GRP PKG	22
BALL	100	4	150	CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE SLFSBV01 AGA APP CHESTERTON 1622 FE PKG	WCB	316 TRIM CPTFE SEAT 1622 GRP PKG	16
BALL	100	4	150	CL	RFSF	APV-FZV	FB 3P TM FS LO LD NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP F51 ST	15
BALL	100	4	150	CL	RF	JC	FB 2P FL NF LO LD 155IIT	CF8M	316 TRIM PTFE SEAT PTFE PKG	60
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO LD NACE 515IIT	CF8M	316 TRIM RPTFE SEAT GRP PTFE PKG	30
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO LD 155IIGF	CF8M	316 TRIM RPTFE SEAT GRP PKG	30
BALL	100	4	150	CL	RFSF	JC	RB 1P FS LO LD NACE 715IIT	CF8M	316 TRIM RPTFE SEAT GRP PKG	14
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO LD AF155IIR	CF8M	316 TRIM RPTFE SEAT GRP PKG	60
BALL	100	4	150	CL	RFSF	JC	FB 2P FS LO LD NACE 515LIT	LCC	316 TRIM PTFE SEAT GRP PKG	16
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AIOG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	100
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 515AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	300
BALL	100	4	150	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 155AIGF	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	80
BALL	100	4	150	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI	WCB	316 TRIM RPTFE SEAT VAED/GRP	18
BALL	100	4	150	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 715AIOG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	40
BALL	100	4	150	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 715AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	50
BALL	100	4	150	CL	RFSF	JC	FB 2P FL LO LD AF155AIR	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	90
BALL	100	4	150	CL	RFSF	SFEROVA	FB 2P FL FS LO METAL TO METAL	316	CC BALL & CC SEAT ISO 5208-B 400°C F51+ENP ST	3
BALL	100	4	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT VGLT/GRP	8
BALL	100	4	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	316	316 TRIM RPTFE SEAT E985/GRP	6
BALL	100	4	150	CL	RFSF	SFEROVA	FB 2P FL FS LO METAL TO METAL	A105 ENP	CC BALL & CC SEAT ISO 5208-B 400°C F51+ENP ST	3
BALL	100	4	150	CL	RFSF	SFEROVA	FB 2P FL FS LO LD NACE	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	100
BALL	100	4	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLTED/GRP F51 ST	28
BALL	100	4	150	CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENP TRIM RPTFE SEAT VAED/GRP	14
BALL	100	4	150	CL	RFSF	SFEROVA	FB 2P FL FS LO 316 LD NACE METAL SEAT	CF8M	316+HFN F51+ENP ST	4
BALL	100	4	150	CL	RF	SFEROVA	FB 2P FL FS LO LD (SUB ASS)	F51	F51 TRIM RPTFE SEAT	4
BALL	100	4	150	CL	RFSF	SFEROVA	RB 2P FL FS LO 316 LD NACE LP	LF2/A105	316 TRIM CGPTFE SEAT GRP PKG	20
BALL	100	4	150	CL	RFSF	STARLINE	FB 2P FL FS LO LD NACE 175"GS-G	A105/LF2	316 TRIM PEEK/CGPTFE SEAT	40
BALL	100	4	150	CL	RFSF	STARLINE	RB 3P FL FS LO LD NACE 215"GS-G	A105/LF2	316 TRIM PEEK/CGPTFE/GRP SEAT	40
BALL	100	4	300	CL	RFSF	APV	FB 2P FL NF LO LDDUAL CERT C8 (NO ELASTOMER)	CF3	304/304L DUAL TRIM PTFE SEAT PTFE PKG	35
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD	CF8	304 TRIM PTFE SEAT GRP PKG	25
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	30
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD CL VI UNI-D CHESTERTON 1622 FE PKG	CF8M	316+STELL TRIM STELL SEAT GRP PKG	3
BALL	100	4	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP PKG	10
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	LCB	316 TRIM RPTFE SEAT GRP PKG	20
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD CL CHESTERTON 1622 FE PKG	WCB	TCC TRIM STELL SEAT GRP PKG	1
BALL	100	4	300	CL	RFSF	APV	FB 2P FL FS LO LD NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	24
BALL	100	4	300	CL	RFSF	APV	FB 2P TM FS GO LD NACE SI	WCB	316 TRIM CPTFE SEAT VAED/GRP F51 ST	12
BALL	100	4	300	CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM CPTFE SEAT GRP PKG F51 STEM	18
BALL	100	4	300	CL	RFSF	JC	FB 2P FL FS LO LD 530IIT 316/F51/XM19 STEM	CF8M	316 TRIM PTFE SEAT GRP PTFE PKG	40
BALL	100	4	300	CL	RFSF	JC	RB 1P FL FS LO LD 730IIT 316/F51/XM19 STEM	CF8M	316 TRIM PTFE SEAT GRP PTFE PKG	10
BALL	100	4	300	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 530VIT 316 OR F51 STEM	LCC	316 TRIM CPTFE/PTFE SEAT GRP PKG	33
BALL	100	4	300	CL	RFSF	JC	FB 2P FL FS LO LD 530LIT LT	LCC	316 TRIM PTFE SEAT GRP PKG F51 STEM	14
BALL	100	4	300	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AIOG OFFSHORE SPEC 316 OR F51 STEM	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	200
BALL	100	4	300	CL	RFSF	JC	FB 2P FL FS LO 316 LD NACE 530AIT 316 OR F51 STEM	WCB	316 TRIM PTFE SEAT GRP PKG	150
BALL	100	4	300	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 730AIOG OFFSHORE SPEC	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	10
BALL	100	4	300	CL	RFSF	JC	RB 1P FL FS LO 316 LD NACE 730AIT	WCB	316 TRIM PTFE SEAT GRP PKG F51 STEM	8
BALL	100	4	300	CL	RFSF	SFEROVA	FB 2P FL FS GO METAL TO METAL HT	A105 ENP	CC BALL & SEAT 5208-B 400°C & ABRASIVE SERVICE	7
BALL	100	4	300	CL	BW40	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM CPTFE SEAT VGLTED/GRP	6
BALL	100	4	300	CL	BW40	SFEROVA	FB WB TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/GRP	4
BALL	100	4	300	CL	RFSF	SFEROVA	FB 2P FL FS LO LD NACE	A105/LF2	316 TRIM F51 STEM CPTFE SEAT GRP PKG	200
BALL	100	4	300	CL	RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP F51 ST	7
BALL	100	4	300	CL	RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI	A105/LF2	ENP TRIM RPTFE SEAT VAED/GRP	12
BALL	100	4	300	CL	RFSF	STARLINE	RB 3P FL FS LO LD NACE 215"GS-G	A105/LF2	316 TRIM PEEK/CGPTFE/GRP SEAT	4
BALL	100	4	600	CL	RFSF	APV	FB 2P TM FS LO LD NACE SI	CF8	304 TRIM RPTFE SEAT VAED/GRP	3
BALL	100	4	600	CL	RFSF	APV	FB 2P FL FS LO SI CHESTERTON 1622 FE PKG	CF8M	316 TRIM RPTFE SEAT GRP PKG	2
BALL	100	4	600	CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8M	316 TRIM RPTFE SEAT VGLT/ GRP	5
BALL	100	4	600	CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCC	316 TRIM RPTFE SEAT VAED/GRP	40
BALL	100	4	600	CL	RFSF	APV-FZV	FB 3P TM FS LO NACE SI CHEVRON/SHELL/BP APP	A105N	316 TRIM RPTFE SEAT VAED/GRP F51 ST	30
BALL	100	4	600	CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	F51	F51 TRIM PEEK SEAT VAED/GRP	10
BALL	100	4	600	CL	RFSF	JC	FB 3P TM FS LO NACE SI	316	316 TRIM CPTFE SEAT VAED/GRP	2
BALL	100	4	600	CL	RFSF	JC	FB 2P FL FS LO LD NACE 560AIN	WCB	316 TRIM RPTFE SEAT GRP PKG	30
BALL	100	4	600	CL	RFSF	JC	FB 2P TM FL FS LO LD NACE 2560	WCC	ENPH TRIM RPTFE SEAT VAED/GRP F51 STEM	50
BALL	100	4	600	CL	RFSF	JC	FB 2P TM FS LO LD NACE SI 2560	WCC	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	100
BALL	100	4	600	CL	BW80	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP	8
BALL	100	4	600	CL	BW80	SFEROVA	FB 3P TM FS LO SI DIB-10 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT GRP PKG VAED F51 ST	10
BALL	100	4	600	CL	BW80	SFEROVA	FB 3P TM FS LO SI DIBXSR5	A105/LF2	316 TRIM DEVLON SEAT GRP PKG VAED F51 ST	10
BALL	100	4	600	CL	BW80PUP	SFEROVA	FB WB TM FS GO NACE SI INTEG	A105/LF2	316 TRIM RPTFE SEAT GRP PKG	1
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP F51 ST	40
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP F51 ST	80
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	80
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO NACE SI	A105/LF2	316 TRIM PEEK SEAT VGLT/ED GRP F51 ST	20
BALL	100	4	600	CL	RFSF	SFEROVA	RB 3P TM FS LO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP	30
BALL	100	4	600	CL	RFSF	SFEROVA	RB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP F51 ST	50
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VGLT/ED GRP F51 ST	20
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT GRP PKG VAED 17-4 PH ST	14
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS LO SI DIB-2	A105/LF2	316 TRIM DEVLON SEAT GRP PKG VAED F51 ST	10
BALL	100	4	600	CL	RFXBW40	SFEROVA	FB 3P TM FS LO LD NACE SI DIB-1	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP	12
BALL	100	4	600	CL	RFXBW40	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	316 TRIM DEVLON SEAT GRP PKG VAED/GRP F51 ST	12
BALL	100	4	600	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP F51 ST	80
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	4
BALL	100	4	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM PEEK SEAT VAED/GRP	20
BALL	100	4	600	CL	RFSF	STARLINE	RB 3P TM FS LO LD NACE SI 205NGV	A105/LF2	316 TRIM DEVLON SEAT FR5890/GRP 17-4 PH STEM	18
BALL	100	4	600	CL	RTJUC	STARLINE	FB 3P TM FS LO LD NACE SI 105NGV	A105/LF2	316 TRIM DEVLON SEAT FR5890/GRP	10
BALL	100	4	900	CL	RTJUC	APV	FB 3P TM FS GO NACE SI	A105/LF2	F5132698 TRIM DEVLON SEAT VAED/GRP	16
BALL	100	4	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	316	F51 TRIM DEVLON SEAT VAED/GRP	3
BALL	100	4	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLTED/GRP	30
BALL	100	4	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VGLT/ED GRP F51 ST	20

TYPE	SIZE		RATING	ENDS	MANUFACTURER		DESCRIPTION	BODY		TRIM	QTY
	MM	INCH									
BALL	100	4	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM PEEK SEAT VAED/GRP	40
BALL	100	4	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	ENP	TRIM PEEK SEAT VAED/GRP F51 ST	28
BALL	100	4	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	ENP	TRIM DEVLON SEAT VAED/GRP F51 ST	20
BALL	100	4	900 CL	RTJUC	SFEROVA	RB 3P TM FS LO NACE SI		A105/LF2	316	TRIM DEVLON SEAT VAED/GRP F51 ST	3
BALL	100	4	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM PEEK SEAT VGLT/EDGRP	40
BALL	100	4	900 CL	RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI		F51	F51	TRIM PEEK SEAT VAED/ GRP	10
BALL	100	4	900 CL	RTJ	SFEROVA	FB 3P TM FS GO LD NACE SI		F51	F51	TRIM PEEK SEAT VAED/ GRP	10
BALL	100	4	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		F51	F51	TRIM PEEK SEAT VAED/ GRP	2
BALL	100	4	900 CL	RTJUC	STARLINE	FB 3P TM FS GO NACE SI 105NGE		A105/LF2	F51	TRIM DEVLON SEAT E985/GRP	4
BALL	100	4	1000 PSI	BSPT	SUPERSEAL	FB 3P FL LO LD NF SWING OUT		CF8M	316	TRIM RPTFE SEAT PTFE PKG	11
BALL	100	4	1000 PSI	NPT	SUPERSEAL	FB 3P FL LO LD NF SWING OUT		CF8M	316	TRIM RPTFE SEAT PTFE PKG	7
BALL	100	4	1440 PSI	NPT	STARLINE	RB 3P FL FS LO T215-NGV-G		A105/LF2	316	TRIM DEVLON SEAT GRP PKG	18
BALL	100	4	1440 PSI	SW	STARLINE	RB 3P FL FS LO T215-NGV-G		A105/LF2	316	TRIM DEVLON SEAT GRP PKG	2
BALL	100	4	1500 CL	RFSF	APV	FB 3P TM FS LO LD NACE SI		A105N	316	TRIM RPTFE SEAT VAED/GRP	8
BALL	100	4	1500 PSI	BSPT	APV	FB 3P FL NF AGA APP SWING OUT		CF8M	316	TRIM TFM4215 SEAT 17-4 PH ST	7
BALL	100	4	1500 PSI	NPT	APV	FB 3P FL FS LO NACE AGA APP CHESTERTON 1622 FE PKG SWING OUT		WCB	316	TRIM TFM4215 SEAT GRP PKG	20
BALL	100	4	1500 PSI	NPT	SFEROVA	FB 2P FL FS LO LD NACE 600CL		316	316	TRIM DELRIN SEAT VAED/GRP	2
BALL	100	4	1500 PSI	NPT	SFEROVA	FB 2P FL FS LO LD NACE 600CL		A105/LF2	316	TRIM DELRIN SEAT VAED/GRP	40
BALL	100	4	1500 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	ENPH	TRIM DEVLON SEAT VAED/GRP F51 ST	20
BALL	100	4	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC		A105/LF2	F51	TRIM DEVLON SEAT VGLT/ED GRP	33
BALL	100	4	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	ENPH	TRIM PEEK SEAT VAED/GRP F51 ST	22
BALL	100	4	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM PEEK SEAT VGLT/GRP	17
BALL	100	4	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM DEVLON SEAT E985/GRP	12
BALL	100	4	2000 PSI	NPT	SFEROVA	RB 2P FL FS LO NACE A105 DUAL		LF2	316	TRIM DEVLON SEAT HNBR/GRP 17-4 PH ST	16
BALL	100	4	2500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM PEEK SEAT VGLT/ED GRP	3
BALL	100	4	2500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	F51	TRIM PEEK SEAT E985/GRP	3
BALL	100	4	2500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		LF3	F51	TRIM DEVLON SEAT E985/GRP	3
BALL	100	4	2500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI		LF3	F51	TRIM DEVLON SEAT E985/GRP	3
BALL	100	4	2500 CL	RTJ	STARLINE	RB 3P TM FS GO NACE SI 205PGE-G		LF2/A105	F51	TRIM PEEK SEAT E985/GRP	3
BALL	100	4	3000 PSI	RTJ	SFEROVA	FB 3P TM FS GO NACE SI 4 1/16" 6A		4140	ENP	TRIM DEVLON SEAT VAED/GRP F51 ST	3
BALL	100	4	3000 PSI	NPT	SFEROVA	RB 2P FL FS LO		A105/LF2	316	TRIM DELRIN SEAT GRP/VITON	21
BALL	100	4	5000 PSI	RTJ	APV	FB 3P TM FS GO NACE SI 4 1/16" 6A		4140	17-4PH	TRIM DEVLON SEAT VAED/GRP	2
BALL	100	4	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)		CI	304	TRIM PTFE SEAT	10
BALL	100	4	PN16	RF	SUPERSEAL	FB 2P NF LO LD AS4087 EN1092-2		CI	304	TRIM PTFE SEAT	10
BALL	100	4	PN16	RF	SUPERSEAL	FB 2P FL LO LD (PN10 SAME)		DI	316	TRIM PTFE SEAT PKG	18
BALL	100	4	TABLE E	FF	APV	FB 2P FL FS LO 229 F TO F SLFSBV01 CHESTERTON 1622 FE PKG		WCB	304	TRIM PTFE SEAT 1622 GRP PKG	10
BALL	100	4	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO 229 F TO F		CF8	304	TRIM PTFE SEAT PTFE PKG	8
BALL	100	4	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO 229 F TO F		CF8M	316	TRIM PTFE SEAT PTFE PKG	7
BALL	100	4	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO 229 F TO F		CI	316	TRIM PTFE SEAT PTFE PKG	16
BALL	125	5	125 CL	UNDRILLRF	SUPERSEAL	FB 2P FL NF LO 254 F TO F		CI	316	TRIM PTFE SEAT PTFE PKG	1
BALL	125	5	150 CL	RFSF	APV	FB 2P FL FS LO 356 F TO F CHESTERTON 1622 FE PKG		CF8M	316	TRIM PTFE SEAT GRP PKG	12
BALL	125	5	150 CL	RFSF	APV	FB 2P FL FS LO 356 F TO F CHESTERTON 1622 FE PKG		WCB	304	TRIM PTFE SEAT GRP PKG	7
BALL	125	5	150 CL	UNDRILLRF	APV	FB 2P FL FS LO 356 F TO F CHESTERTON 1622 FE PKG		WCB	304	TRIM PTFE SEAT GRP PKG	2
BALL	125	5	150 CL	UNDRILLRF	SFEROVA	FB 3P TM FS LO SI		A105/LF2	316	TRIM PTFE SEAT GRP PKG VAED	2
BALL	125	5	300 CL	UNDRILLRF	APV	FB 2P FL FS LO 381 F TO F		WCB	316	TRIM PTFE SEAT PTFE PKG	1
BALL	125	5	300 CL	UNDRILLRF	SFEROVA	FB 3P TM FS LO SI		A105/LF2	316	TRIM RPTFE SEAT GRP PKG VGLTED	2
BALL	125	5	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)		CI	304	TRIM PTFE SEAT	10
BALL	125	5	PN16	RF	SUPERSEAL	FB 2P NF LO LD AS4087 EN1092-2		CI	304	TRIM PTFE SEAT	10
BALL	125	5	PN16	RF	SUPERSEAL	FB 2P FL LO LD (PN10 SAME)		DI	316	TRIM PTFE SEAT PKG	8
BALL	150	6	125 CL	UNDRILLFF	SUPERSEAL	FB 2P FL NF LO 267 F TO F		CI	304	TRIM PTFE SEAT PTFE PKG	2
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD SUB-ASS		A20	A20	TRIM PTFE SEAT PTFE PKG	2
BALL	150	6	150 CL	RF/FF	APV	RB 1P LO LD FS AB2 B148 NI-AL-BRZ 316 TOP PARTS		ALBZ	K500	MONEL TRIM PTFE PKG GRP+PTFE PKG	1
BALL	150	6	150 CL	RFSF	APV	FB 2P NF LO LD (CF8 DUAL CERT)		CF3	304/304L	TRIM PTFE SEAT PTFE PKG	10
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD 267 F TO F SP CHESTERTON 1622 FE PKG		CF8	304	TRIM PTFE SEAT GRP PKG	2
BALL	150	6	150 CL	UNDRILLRF	APV	FB 2P FL FS LO LD CHESTERTON 1622 FE PKG		CF8	304	TRIM RPTFE SEAT PTFE/GRP PKG	5
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD 267 F TO F SP CHESTERTON 1622 FE PKG		CF8M	316	TRIM PTFE SEAT GRP PKG	10
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG		CF8M	316	TRIM PTFE SEAT GRP PKG	10
BALL	150	6	150 CL	RFSF	APV	FB 2P TM FS GO SI		CF8M	316	TRIM RPTFE SEAT GRP/VGLT	6
BALL	150	6	150 CL	RFSF	APV	RB 1P FL FS LO LD 267 F TO F SP CHESTERTON 1622 FE PKG		CF8M	316	TRIM PTFE SEAT GRP PKG	4
BALL	150	6	150 CL	RFSF	APV	FB 2P TM FS LO LD NACE SI		CF8M	316	TRIM RPTFE SEAT VAED/GRP	4
BALL	150	6	150 CL	RF	APV	FB 2P FL FS LO LD		F51	F51	TRIM RPTFE SEAT	3
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS GO LD SLFSBV01 AGA APPROVED CHESTERTON 1622 FE PKG		WCB	316	TRIM RPTFE SEAT 1622 GRP PKG F51 ST	40
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD 267 F TO F NACE SP CHESTERTON 1622 FE PKG		WCB	304	TRIM RPTFE SEAT 1622 GRP PKG	10
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG		WCB	316	TRIM CPTFE SEAT GRP PKG F51 ST	16
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG		WCB	ENPH	TRIM RPTFE SEAT GRP PKG	10
BALL	150	6	150 CL	RFSF	APV	FB 2P FL FS LO LD NACE SI		WCB	ENP	TRIM RPTFE SEAT VAED/GRP	5
BALL	150	6	150 CL	RFSF	APV	RB 1P FL FS LO LD SP SLFSBV02 CHESTERTON 1622 FE PKG		WCB	316	TRIM CPTFE SEAT GRP PKG	10
BALL	150	6	150 CL	RFSF	APV	SB 2P FL FS LO LD SLFSBV01 CHESTERTON 1622 FE PKG		WCB	316	TRIM PTFE SEAT GRP PKG	11
BALL	150	6	150 CL	UNDRILLRF	APV	SB 2P FL FS LO LD 267 F TO F SP CHESTERTON 1622 FE PKG		WCB	316	TRIM PTFE SEAT GRP PKG	1
BALL	150	6	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000		WCC	316	TRIM RPTFE SEAT VAED/GRP	20
BALL	150	6	150 CL	RFSF	JC	FB 3P TM FS GO NACE SI 6015		A105/LF2	316	TRIM CPTFE SEAT VAED/GRP	12
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS GO NACE 515IIT		CF8M	316	TRIM RPTFE SEAT GRP/PTFE PKG	8
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS LO LD NACE 515IIT		CF8M	316	TRIM PTFE SEAT GRP+PTFE PKG	14
BALL	150	6	150 CL	RFSF	JC	SB 1P FL FS LO LD NACE 267 F TO F SP 715IIT		CF8M	316	TRIM PTFE SEAT GRP PKG F51 STEM	6
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS LO LD NACE 515LIT DUAL WCC/WCB/LCB VGLT-ED		LCC	316	TRIM PTFE SEAT GRP PKG F51 STEM	20
BALL	150	6	150 CL	RFSF	JC	RB 1P FL FS LO LD NACE 715LJCG WCC/WCB/LCB VGLT-ED		LCC	316	TRIM CGPTFE SEAT GRP PKG F51 STEM	10
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS GO CL VI 3515 316+N50 ST.		WCB	316+STELL	TRIM STELL SEAT GRP/GRP F51 STEM	2
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS GO NACE 515AIT		WCB	316	TRIM PTFE SEAT GRP PKG F51 STEM	30
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS GO-316 NACE 515AICG OFFSHORE SPEC		WCB	316	TRIM PTFE/CGPTFE SEAT GRP PKG F51 STEM	10
BALL	150	6	150 CL	RFSF	JC	FB 2P FL FS LO LD NACE 515AIT		WCB	316	TRIM PTFE SEAT GRP PKG F51 STEM	30
BALL	150	6	150 CL	RFSF	JC	SB 1P FL FS LO LD NACE SP 715AICG		WCB	316	TRIM CGPTFE SEAT GRP PKG F51 STEM	20
BALL	150	6	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2515AIGF		WCC	316	TRIM RPTFE SEAT VAED/GRP	40
BALL	150	6	150 CL	RFSF	JC	FB 2P TM FS LO NACE 2515AANGF		WCC	ENP	TRIM RPTFE SEAT VAED/GRP	20
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P TM FS GO LD F51 STEM		316	316	TRIM RPTFE SEAT E985/GRP	2
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P TM FS LO LD SI		316	316	TRIM RPTFE SEAT E985/GRP	3
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	316	TRIM CPTFE SEAT VGLTED/GRP F51 ST	30
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	316	TRIM CPTFE SEAT E985/GRP	6
BALL	150	6	150 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI		A105/LF2	316	TRIM CPTFE SEAT E985/GRP	6
BALL	150	6	150 CL	RFSF	SFEROVA	RB 2P TM FS GO NACE SI		A105/LF2	316	TRIM CPTFE SEAT VGLTED/GRP F51 ST	4
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI		A105/LF2	ENPH	TRIM CPTFE SEAT VAED/GRP	30
BALL	150	6	150 CL	RFSF	SFEROVA	FB 2P FL FS GO LD		A105/LF2	316	TRIM CPTFE SEAT GRP PKG	37
BALL	150	6	150 CL	RFSF	SFEROVA	FB 3P FL FS LO LD		F51	316	TRIM DEVLON SEAT VGLT/ED/GRP	2
BALL	150	6	150 CL	RFSF	STARLINE	RB 2P FL FS LO LD NACE 275SGS-GS-G		LF2/A105	316	TRIM CGPTFE SEAT GRP PKG	2
BALL	150	6	300 CL	RFSF	APV	FB 2P FL NF GO SLFSBV01		CF8	304	TRIM PTFE SEAT PTFE PKG	2
BALL	150	6	300 CL	UNDRILLRF	APV	FB 2P FL FS GO SLFSBV01		CF8	304	TRIM PTFE SEAT GRP PTFE PKG	3

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	150	6	300 CL	RFSF	APV	FB 2P FL FS GO NACE 515AIT CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT GRP FE PKG S32205 ST	7
BALL	150	6	300 CL	RFSF	APV	FB 2P TM FS GO NACE CHESTERTON 1622 FE PKG 1530	CF8M	316 TRIM RPTFE SEAT PTFE/GRP PKG	5
BALL	150	6	300 CL	RFSF	APV	FB 2P FL FS GO NACE	CF8M	316 TRIM RPTFE SEAT PTFE PKG	3
BALL	150	6	300 CL	RFSF	APV	FB 2P FL FS GO NACE AGA APPROVED CHESTERTON 1622 FE PKG	LCB	316 TRIM RPTFE SEAT 1622 GRP PKG F51 ST	6
BALL	150	6	300 CL	RFSF	APV	FB 2P TM FS GO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG F51 ST	13
BALL	150	6	300 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	WCB	316 TRIM RPTFE SEAT VAED/GRP F51 ST	10
BALL	150	6	300 CL	RFSF	APV	FB 2P TM FS GO-316 LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	8
BALL	150	6	300 CL	UNDRILLRF	APV	FB 2P FL FS GO CL VI 329TCC ST.	WCB	316+ STF6 TRIM STF6 SEAT GRP/GRP	2
BALL	150	6	300 CL	RFSF	APV	FB 2P FL FS GO NACE AGA APPROVED CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT 1622 GRP PKG	7
BALL	150	6	300 CL	UNDRILLRF	APV	FB 2P FL FS GO NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM PTFE SEAT GRP PKG	2
BALL	150	6	300 CL	RFSF	APV-FZV	FB 3P TM FS GO LD NACE SI SHELL/EXXON APP	316	316 RPTFE SEAT VGLT/ED/GRP	5
BALL	150	6	300 CL	RFSF	JC	FB 2P FL FS GO NACE 530AII	CF8M	316 TRIM PTFE SEAT GRP PKG	8
BALL	150	6	300 CL	RFSF	JC	FB 2P FL FS GO 316 NACE 530LICG (LCB/WCC DUAL)	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	15
BALL	150	6	300 CL	RFSF	JC	FB 2P FL FS GO 316 NACE 530AICG	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	60
BALL	150	6	300 CL	RFSF	JC	SB 1P FL FS LO LD NACE 730AICG SP	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	2
BALL	150	6	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2530 AICG	WCB	316 TRIM RPTFE SEAT VAED/GRP	30
BALL	150	6	300 CL	RFSF	JC	FB 2P TM FS GO LD NACE SI 2530AIGF	WCC	316 TRIM RPTFE SEAT VAED/GRP	20
BALL	150	6	300 CL	BW40PUP	SFEROVA	FB WB TM FS GO NACE SI INTEG	A105/LF2	316 TRIM PTFE SEAT VAED/GRP	1
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM CPTE SEAT E985/ED GRP	2
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316+ TCC TRIM STELL SEAT	1
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT VAED/GRP	5
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM CPTE SEAT VGLT/ED GRP	18
BALL	150	6	300 CL	RFSF	SFEROVA	FB 2P FL FS GO NACE	A105/LF2	316 TRIM CPTE SEAT VGLT/ED GRP 17-4 PH STEM	25
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS LO LD NACE SI	A105/LF2	ENP TRIM CPTE SEAT VAED/GRP	4
BALL	150	6	300 CL	RFSF	SFEROVA	FB 3P TM FS GO LD NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP	1
BALL	150	6	300 CL	RFSF	STARLINE	RB 2P FL FS LO LD NACE 275SGS-GS-G	LF2/A105	316 TRIM CGPTFE SEAT GRP PKG	3
BALL	150	6	300 CL	RFSF	STARLINE	RB 2P FL FS LO LD NACE 275SGS-G	LF2/A105	316 TRIM CGPTFE SEAT GRP PKG	3
BALL	150	6	600 CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8	304 TRIM RPTFE SEAT PTFE/GRP	1
BALL	150	6	600 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	CF8M	316 TRIM DEVLON SEAT GRP/VAED	7
BALL	150	6	600 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	WCC	316 TRIM DELRIN SEAT VAED/GRP F51 ST	20
BALL	150	6	600 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE BVF100 CHEVRON/BP APP	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP F51 ST	14
BALL	150	6	600 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560	WCC	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	53
BALL	150	6	600 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560AIGF/AIDV	WCC	316 TRIM DEVLON/RPTFE SEAT VAED/GRP F51 ST	60
BALL	150	6	600 CL	BW40	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	6
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	12
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT F88/90-GRP F51 ST	100
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VGLT/ED GRP F51 ST	70
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT INCONEL 718 STEM	20
BALL	150	6	600 CL	RFSF X BW80	SFEROVA	FB 3P TM FS GO NACE SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	4
BALL	150	6	600 CL	RFSF X BW80	SFEROVA	FB 3P TM FS GO NACE SI DIB-1 OR DIB-2 DOUBLE ISOLATION & BLEED	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	5
BALL	150	6	600 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP	60
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT VGLT/ED GRP F51 ST	15
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VGLT/ED GRP F51 ST	18
BALL	150	6	600 CL	RFSF	SFEROVA	RB 3P TM FS GO LD NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT AED/GRP	20
BALL	150	6	600 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP F51 ST	36
BALL	150	6	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM PEEK SEAT VGLT/ED GRP	2
BALL	200	8	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	LF2/A105	316 TRIM RPTFE SEAT F51 ST E985/GRP	3
BALL	150	6	900 CL	BW80	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM NYLON SEAT VAED/GRP F51 ST	8
BALL	150	6	900 CL	BW80XRF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM NYLON SEAT VAED/GRP F51 ST	10
BALL	150	6	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	24
BALL	150	6	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP F51 ST	20
BALL	150	6	900 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP F51 ST	20
BALL	150	6	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	40
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	20
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP F51 ST	9
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP F51 ST	28
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP-H TRIM DEVLON SEAT VAED/GRP F51 ST	20
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLT/ED GRP F51 ST	20
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT VGLT/ED GRP F51 ST	20
BALL	150	6	900 CL	RTJUC	SFEROVA	RB 3P TM FS GO LD NACE SI 6015	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP F51 ST	5
BALL	150	6	900 CL	RTJ	SFEROVA	FB 3P TM FS GO LD NACE SI 6015	A105/LF2	F51 TRIM CGPTFE SEAT VGLT/ED GRP F51 ST	12
BALL	150	6	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP F51 ST	1
BALL	150	6	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	F51	F51 TRIM DEVLON SEAT VAED/GRP F51 ST	1
BALL	150	6	1500 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP F51 ST	12
BALL	150	6	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEATS INCONEL 718 STEM	16
BALL	150	6	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP F51 ST	16
BALL	150	6	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT VAED/GRP F51 ST	11
BALL	150	6	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP F51 ST	8
BALL	150	6	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLT/ED/GRP F51 ST	18
BALL	150	6	1500 CL	RTJUC	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP F51 ST	8
BALL	150	6	2500 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP F51 ST	1
BALL	150	6	2500 CL	RTJ	STARLINE	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT E985/GRP F51 ST	4
BALL	150	6	5000 PSI	RTJ	APV	SEE 7 1/16 5000 (SAME)			
BALL	150	6	5000 PSI	RTJ	SFEROVA	FB TE TM FS GO NACE SI 6A 6" ID	4130	ENP TRIM DEVLON SEAT VAED/GRP F51 ST	4
BALL	150	6	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)	CI	304 TRIM PTFE SEAT	10
BALL	150	6	PN16	RF	SUPERSEAL	FB 2P NF LO LD AS4087 EN1092-2	CI	304 TRIM PTFE SEAT	8
BALL	150	6	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO 267 F TO F	CF8	304 TRIM PTFE SEAT PTFE PKG	1
BALL	150	6	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO 390 F TO F	WCB	F6 TRIM PTFE SEAT PTFE PKG	7
BALL	175	6 1/8	5000 PSI	RTJ	APV	FB 6 1/8" NACE 3P FS GO SI 6A 6 3/8" ID	4140	F51 TRIM DEVLON SEAT E985/GRP	2
BALL	200	8	125 CL	UNDRILLFF	SUPERSEAL	FB 2P FL NF LO LD	CI	316 TRIM PTFE SEAT PTFE PKG	1
BALL	200	8	150 CL	RFSF	APV	FB 2P FL FS GO CHESTERTON 1622 FE PKG	CF8	304 TRIM PTFE SEAT GRP PKG	2
BALL	200	8	150 CL	UNDRILLRF	APV	FB 2P FL FS GO CHESTERTON 1622 FE PKG	CF8	304 TRIM PTFE SEAT PTFE GRP PKG	1
BALL	200	8	150 CL	UNDRILLRF	APV	FB 2P FL FS LO LD SLFSBV01	CF8	304 TRIM RPTFE SEAT GRP/PTFE PKG	3
BALL	200	8	150 CL	RFSF	APV	FB 2P FL FS GO NACE SI SLFSBV01 CHESTERTON 1622 FE PKG	CF8M	316 TRIM PTFE SEAT PTFE/GRP PKG	6
BALL	200	8	150 CL	RFSF	APV	RB 1P FL FS LO LD SP	CF8M	316 TRIM RPTFE SEAT GRP/PTFE/GRP	2
BALL	200	8	150 CL	RFSF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	LCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	18
BALL	200	8	150 CL	RFSF	APV	FB 2P FL FS GO CL VI SHUT OFF	WCB	METAL SEAT STF6 425°+ABRASIVE	1
BALL	200	8	150 CL	RFSF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	38
BALL	200	8	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCB	316 TRIM RPTFE SEAT VAED/GRP	4
BALL	200	8	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	WCB	316 TRIM RPTFE SEAT VAED/GRP	7
BALL	200	8	150 CL	RFSF	APV	RB 1P FL FS LO LD NACE SP CHESTERTON 1622 FE PKG	WCB	316 TRIM CPTE SEAT GRP PKG	5
BALL	200	8	150 CL	UNDRILLRF	APV	FB 2P FL FS LO LD NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	3
BALL	200	8	150 CL	RFSF	APV-FZV	FB 3P TM FS GO LD CHEVRON/BP	316	316 TRIM RPTFE SEAT VGLT/ED GRP	5

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	200	8	150 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP	4
BALL	200	8	150 CL	RFSF	JC	FB 2P FL FS GO NACE 515IIT	CF8M	316 TRIM RPTFE SEAT GRP+PTFE PKG	6
BALL	200	8	150 CL	RFSF	JC	RB 1P FL LO LD SP	CF8M	316 TRIM PTFE SEAT GRP PKG	2
BALL	200	8	150 CL	RFSF	JC	FB 2P FS GO NACE 515 LIT	LCC	316 TRIM RPTFE SEAT GRP PKG F51 STEM	20
BALL	200	8	150 CL	RFSF	JC	FB 1P FL LO LD SP 715LIG DUAL WCC LCB	LCC	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	5
BALL	200	8	150 CL	RFSF	JC	FB 2P FL FS GO NACE 515AIT	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	25
BALL	200	8	150 CL	RFSF	JC	RB 1P FL LO LD SP 715AIG	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	20
BALL	200	8	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2515AIGF	WCC	316 TRIM RPTFE SEAT VAED/GRP	20
BALL	200	8	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2515AANGF	WCC	ENP TRIM RPTFE SEAT VAED/GRP	10
BALL	200	8	150 CL	RFSF	SFEROVA	FB 3P TM FS GO LD CHEVRON	316	316 TRIM RPTFE SEAT E985/ GRP	4
BALL	200	8	150 CL	RFSF	SFEROVA	FB 2P FL FS GO NACE	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP	30
BALL	200	8	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM CPTFE SEAT VAED/GRP	4
BALL	200	8	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PTFE SEAT VGLT/ED GRP	12
BALL	200	8	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT GRP PKG E985/ED GRP	6
BALL	200	8	150 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/GRP	4
BALL	200	8	150 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT E985/GRP	3
BALL	200	8	300 CL	RFSF	APV	FB 2P FL FS GO CHESTERTON 1622 FE PKG	CF8	304 TRIM RPTFE SEAT GRP PKG	1
BALL	200	8	300 CL	RFSF	APV	FB 2P FL FS GO NACE SLFSBV01	CF8M	316 TRIM PTFE SEAT GRP/PTFE PKG	6
BALL	200	8	300 CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	CF8M	316 TRIM RPTFE SEAT VGLT/ED GRP	2
BALL	200	8	300 CL	RFSF	APV	FB 2P FL FS GO NACE CHESTERTON 1622 FE PKG	WCB	316 TRIM RPTFE SEAT GRP PKG	2
BALL	200	8	300 CL	RFSF	APV	FB 2P FL FS GO NACE SLFSBV01 CHESTERTON 1622 FE PKG	WCB	316 TRIM CPTFE SEAT GRP PKG F51 STEM	4
BALL	200	8	300 CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCB	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	2
BALL	200	8	300 CL	RFSF	APV-FZV	FB WB TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM PTFE SEAT VAED/GRP	1
BALL	200	8	300 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	F6 TRIM RPTFE SEAT VAED/GRP	7
BALL	200	8	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI 1530AIGF SEMI TRUNNION NO ELASTOMER	CF8M	316 TRIM RPTFE SEAT GRP F51 STEM	3
BALL	200	8	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI STEM 1530IIGF	CF8M	316 TRIM RPTFE SEAT GRP F51 STEM	2
BALL	200	8	300 CL	RFSF	JC	RB 1P FL FS LO NACE SP 730AIIT	CF8M	316 TRIM PTFE SEAT GRP PTFE PKG F51 STEM	2
BALL	200	8	300 CL	RFSF	JC	RB 1P FL FS LO NACE SP 730AIGF	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	2
BALL	200	8	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI STEM 1530AIGF	WCB	316 TRIM RPTFE SEAT GRP PKG F51 STEM	8
BALL	200	8	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2530AICG	WCC	316 TRIM RPTFE SEAT VAED/ GRP	4
BALL	200	8	300 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2530AICG	WCC	316 TRIM CGPTFE SEAT VAED/ GRP	23
BALL	200	8	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM CPTFE SEAT VGLT/ ED GRP	12
BALL	200	8	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105N	316 TRIM POM SEAT 17-4 PH STEM VAED/GRP	7
BALL	200	8	600 CL	RFSF	APV	FB 3P TM FS GO NACE SI	316	316 TRIM RPTFE SEAT VAED GRP	2
BALL	200	8	600 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM DEVLON SEAT FR58/90/GRP	3
BALL	200	8	600 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560AIDV	WCC	316 TRIM DEVLON SEAT VAED/GRP	4
BALL	200	8	600 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560AANDV	WCC	ENP TRIM DEVLON SEAT AED/GRP	4
BALL	200	8	600 CL	BW80	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP	5
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM RPTFE SEAT FR58/90-GRP	4
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP	10
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI DIB1/DIB2	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP	6
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	ENPH TRIM DEVLON SEAT FR58/90-GRP	20
BALL	200	8	600 CL	RFSF	SFEROVA	RB 3P TM FS GO (316) NACE SI	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP	8
BALL	200	8	600 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP	7
BALL	200	8	600 CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	5
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT VAED/GRP	3
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VGLTED/GRP	12
BALL	200	8	600 CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	ENPH TRIM PEEK SEAT INCONEL 7 17-48 STEM VGLTI	8
BALL	200	8	600 CL	RFXBW40	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	8
BALL	200	8	600 CL	RFXBW80	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	8
BALL	200	8	600 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	22
BALL	200	8	600 CL	RTJUC	STARLINE	RB 3P TM FS GO NACE SI	A105/LF2	410 TRIM DEVLON SEAT FR58/90/GRP	2
BALL	200	8	900 CL	RFSF	APV	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/ED GRP	4
BALL	200	8	900 CL	BW80	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	2
BALL	200	8	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP	25
BALL	200	8	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VAED/GRP	5
BALL	200	8	900 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	3
BALL	200	8	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT VAED/GRP	7
BALL	200	8	900 CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	7
BALL	200	8	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM NYLON SEAT FR58/90-GRP	2
BALL	200	8	900 CL	RTJUC	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLTED+GRP	4
BALL	200	8	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLT/ED GRP	4
BALL	200	8	1500 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT VGLTED/GRP	2
BALL	200	8	1500 CL	RTJ	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	6
BALL	200	8	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VAED/GRP	1
BALL	200	8	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM PEEK SEAT GLT E985/GRP	5
BALL	200	8	1500 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT GLT VAED/GRP	3
BALL	200	8	2500 CL	RTJ	APV	FB 3P TM FS GO NACE SI	A105N	ENP TRIM NYLON SEAT AEDGLT/GRP	1
BALL	200	8	3000 PSI	RTJ	APV	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT AEDGLT/GRP	1
BALL	200	8	PN14/16	FF/RF	SUPERSEAL	FB 2P FL LO LD AS4087 (TABLE D)	CI	304 TRIM PTFE SEAT	4
BALL	200	8	PN16	RF	SUPERSEAL	FB 2P NF GO LD AS4087 EN1092-2	CI	304 TRIM PTFE SEAT	4
BALL	200	8	PN16	RF	SUPERSEAL	FB 2P FL LO LD	DI	316 TRIM PTFE SEAT PKG	1
BALL	200	8	TABLE E	FF	SUPERSEAL	FB 2P FL NF LO	CI	316 TRIM PTFE SEAT PTFE PKG	1
BALL	225	9	300 CL	RFSF	APV	FB 2P FL FS GO NACE	CF8M	316 TRIM RPTFE SEAT GRP PKG	4
BALL	225	9	300 CL	RFSF	APV	RB 2P FL FS GO NACE	WCB	316 TRIM RPTFE SEAT GRP PKG	4
BALL	250	10	150 CL	RFSF	APV	FB 2P FL FS GO	CF8	304 TRIM PTFE SEAT GRP PKG	1
BALL	250	10	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8M	316 TRIM RPTFE SEAT SEAT GRP VGLT/ED	8
BALL	250	10	150 CL	RFSF	APV	FB 2P FL FS GO SLFSBV01	CF8M	316 TRIM RPTFE SEAT GRP PKG	6
BALL	250	10	150 CL	RFSF	APV	RB 1P FL FS GO SLFSBV02	CF8M	316 TRIM RPTFE SEAT GRP PKG	2
BALL	250	10	150 CL	RFSF	APV	FB 2P FL FS GO NACE	WCB	316 TRIM CPTFE SEAT GRP PKG	5
BALL	250	10	150 CL	RFSF	APV	FB 2P FL FS GO NACE	WCB	ENP TRIM RPTFE SEAT GRP PKG	8
BALL	250	10	150 CL	RFSF	APV	FB 2P FL FS GO NACE SLFSBV01	WCB	316 TRIM RPTFE SEAT GRP PKG	11
BALL	250	10	150 CL	RFSF	APV	RB 1P FL FS GO NACE SP SLFSBV02	WCB	316 TRIM RPTFE SEAT GRP PKG	2
BALL	250	10	150 CL	RFSF	APV	RB 2P FL FS GO NACE SP	WCB	316 TRIM PTFE SEAT GRP PKG	3
BALL	250	10	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCC	316 TRIM RPTFE SEAT VAED/GRP	12
BALL	250	10	150 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	316	316 TRIM RPTFE SEAT GRP/VGLTED	8
BALL	250	10	150 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	ENP TRIM RPTFE SEAT VAED/GRP	10
BALL	250	10	150 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	4
BALL	250	10	150 CL	RFSF	JC	FB 2P TM FS GO SI 2515	CF8M	316 TRIM RPTFE SEAT PTFE/GRP	3
BALL	250	10	150 CL	RFSF	JC	RB 1P FL FS GO NACE SP 715IIGF	CF8M	316 TRIM RPTFE SEAT GRP PKG F51 STEM	3
BALL	250	10	150 CL	RFSF	JC	FB 2P TM FS GO SI 1515AIGF	CF8M	316 TRIM RPTFE SEAT PTFE/GRP F51 STEM	3
BALL	250	10	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI 1515AIGF	WCB	316 TRIM RPTFE SEAT VAED/GRP	7
BALL	250	10	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI 2515AIGF	WCB	316 TRIM RPTFE SEAT VAED/GRP	8
BALL	250	10	150 CL	RFSF	JC	RB 1P FL FS GO NACE SP 715AIG	WCB	316 TRIM CGPTFE SEAT GRP PKG F51 STEM	5
BALL	250	10	150 CL	RFSF	JC	FB 2P TM FS GO NACE SI STEM 1515AIGF	WCC	316 TRIM RPTFE SEAT GRP F51 STEM	12

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY	
	MM	INCH								
BALL	250	10	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	316	316 TRIM RPTFE SEAT GRP/VGLTED	4
BALL	250	10	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VAED/GRP	9
BALL	250	10	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT E985/GRP	3
BALL	250	10	150	CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT EOL985/GRP	4
BALL	250	10	300	CL	RFSF	APV	FB 3P TM FS GO	A105/LF2	316+STELL TRIM STELL SEAT GRP PKG F51+ENP ST	2
BALL	250	10	300	CL	RFSF	APV	FB 2P TM FS GO NACE SI FS9000	CF8M	316 TRIM CPDTE SEAT GRP PKG	2
BALL	250	10	300	CL	RFSF	APV	FB 2P TM FS GO NACE SI 1530AIGF	WCB	316 TRIM RPTFE SEAT GRP PKG	5
BALL	250	10	300	CL	RFSF	APV-FZV	FB 3P TM FS GO FS9000 CHEVRON/SHELL/BP APP	A105N	316 TRIM CPDTE SEAT VAED/GRP	4
BALL	250	10	300	CL	RF	JC	FB 2P TM FS GO NACE 1530	CF8M	316 TRIM RPTFE SEAT PTFE/GRP F51 STEM	1
BALL	250	10	300	CL	RFSF	JC	RB 1P TM FS GO NACE 1730IIT	CF8M	316 TRIM RPTFE SEAT GRP PKG	1
BALL	250	10	300	CL	RFSF	JC	RB 1P TM FS GO NACE 1730AIT	WCB	316 TRIM RPTFE SEAT GRP PKG	2
BALL	250	10	300	CL	RFSF	JC	FB 2P TM FS GO NACE SI 2530AIGF	WCC	316 TRIM RPTFE SEAT VAED/GRP	3
BALL	250	10	300	CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP 17-4 PH ST	11
BALL	250	10	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM ENPH TRIM RPTFE SEAT VAED GRP	6
BALL	250	10	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM RPTFE SEAT VGLT/ED GRP 17-4 PH ST	6
BALL	250	10	600	CL	RFSF	APV	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VAED/GRP F51 STEM	5
BALL	250	10	600	CL	RFSF	APV-FZV	FB 2P TM FS GO NACE SI	CF8M	316 TRIM DEVLON SEAT VAED/GRP	2
BALL	250	10	600	CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560AIDV	WCC	316 TRIM DEVLON SEAT VAED/GRP	8
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI DIB-1 OR DIB-1	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED/GRP F51 STEM	4
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED/GRP F51 STEM	16
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC (HNBR)	A105/LF2	316 TRIM DEVLON SEAT E985/ED/GRP F51 STEM	4
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	24
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VGLT/GRP 17-4 PH ST	10
BALL	250	10	600	CL	RFSF	SFEROVA	RB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED-GRP 17-4 PH ST	7
BALL	250	10	600	CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	TRIM DEVLON SEAT VGLT/ED/GRP F51 ST	12
BALL	250	10	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VGLT/GRP 17-4 PH ST	8
BALL	250	10	600	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT VGLT/GRP 17-4 PH ST	4
BALL	250	10	600	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	3
BALL	250	10	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VGLT/ED/GRP INC 718 ST	4
BALL	250	10	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VAED/GRP	3
BALL	250	10	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM PEEK SEAT VGLT/ED GRP	3
BALL	250	10	900	CL	RTJUC	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT FR58/90-GRP	2
BALL	250	10	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED GRP	3
BALL	250	10	1500	CL	RTJ	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC	A105/LF2	F51 TRIM DEVLON SEAT FR58/90/GRP	3
BALL	250	10	1500	CL	RTJ/RF	SFEROVA	FB 3P TM FS GO 316 NACE SI OFFSHORE SPEC	A105/LF2	F51 TRIM PEEK SEAT VGLTED/GRP	1
BALL	300	12	150	CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8M	316 TRIM RPTFE SEAT VGLT/ED GRP	2
BALL	300	12	150	CL	RFSF	APV	RB 2P FL FS GO NACE SP	LCB	316 TRIM RPTFE SEAT GRP PKG	1
BALL	300	12	150	CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCB	316 TRIM RPTFE SEAT VAED/GRP	5
BALL	300	12	150	CL	RFSF	APV	RB 1P FL FS GO NACE SP	WCB	316 TRIM RPTFE SEAT VAED/GRP	2
BALL	300	12	150	CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105N	316 TRIM RPTFE SEAT VAED/GRP	3
BALL	300	12	150	CL	RFSF	JC	RB 2P FL FS GO NACE SP 1715IIT	CF8M	316 TRIM RPTFE SEAT GRP PKG	2
BALL	300	12	150	CL	RFSF	JC	FB 2P TM FS GO NACE SI 1515AIGF	WCB	310 TRIM RPTFE SEAT VAED/GRP	4
BALL	300	12	150	CL	RFSF	JC	FB 2P TM FS GO NACE SI 2515AIGF	WCB	316 TRIM RPTFE SEAT VAED/GRP	11
BALL	300	12	150	CL	RFSF	JC	RB 2P FL FS GO NACE SP 1715AIGF	WCB	316 TRIM RPTFE SEAT GRP PKG	1
BALL	300	12	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	316	316 TRIM RPTFE SEAT VGLT/ED/GRP	2
BALL	300	12	150	CL	RFSF	SFEROVA	FB 3P TM FS GO 316 NACE SI	A105/LF2	316L TRIM RPTFE SEAT VGLT/ED GRP	10
BALL	300	12	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	14
BALL	300	12	150	CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	3
BALL	300	12	300	CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8M	316 TRIM RPTFE SEAT GRP PKG	2
BALL	300	12	300	CL	RFSF	JC	FB 2P TM FS GO NACE SI 2530 AIDV	WCB	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	2
BALL	300	12	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316L TRIM DEVLON SEAT VGLT/ED GRP F51 STEM	8
BALL	300	12	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM RPTFE SEAT E985/GRP	10
BALL	300	12	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	4
BALL	300	12	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F6A TRIM PEEK SEAT VAED/GRP	3
BALL	300	12	300	CL	RFSF	SFEROVA	RB 3P TM FS GO NACE SI	A105N	ENP TRIM RPTFE SEAT VAED/GRP	4
BALL	300	12	600	CL	RFSF	JC	FB 2P TM FS GO NACE SI 2560AIGF/AIDV	WCB	316 TRIM RPTFE SEAT VAED/GRP F51 STEM	7
BALL	300	12	600	CL	BW80	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT E985/GRP	6
BALL	300	12	600	CL	BW80XRF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT E985/GRP	6
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI DIB-2	A105/LF2	ENP TRIM PEEK SEAT VGLT/GRP	3
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT FR58/90-GRP	6
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP	10
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	4
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	12
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316L TRIM DEVLON SEAT VGLT/ED GRP	16
BALL	300	12	600	CL	RFSF	SFEROVA	RB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP	6
BALL	300	12	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEATS VGLT/ED/GRP STEM	3
BALL	300	12	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	3
BALL	300	12	900	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT VGLT/ED/GRP	6
BALL	300	12	900	CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	2
BALL	300	12	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP	2
BALL	300	12	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT FR58/90-GRP	1
BALL	300	12	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F6A TRIM PEEK SEAT VAED/GRP	2
BALL	300	12	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F51 TRIM DEVLON SEAT E985/GRP	3
BALL	300	12	1500	CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT E985/GRP	1
BALL	300	12	1500	CL	RTJ	SFEROVA	FB 3P TM FS GO NACE SI DIB-2	A105/LF2	F51 TRIM PEEK SEAT VGLTED/GRP	1
BALL	350	14	150	CL	RFSF	APV	FB 2P TM FS GO NACE SI 2515AIGF	WCB	316 TRIM RPTFE SEAT VAED/GRP	1
BALL	350	14	150	CL	RFSF	APV	FB 2P TM FS GO NACE SI	CF8	304 TRIM CPDTE SEAT PTFE/GRP	1
BALL	350	14	150	CL	RFSF	APV-FZV	FB 2P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	ENP TRIM NYLON SEAT VAEDGLT/GRP	3
BALL	350	14	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VAEDGLT/GRP	2
BALL	350	14	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	3
BALL	350	14	300	CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCC	F6ASS TRIM POM SEAT VAED/GRP	1
BALL	350	14	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI DPE SEATS	F51	F51 TRIM RPTFE SEAT LIPSEALS/GRP	4
BALL	350	14	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	LF2/A105	ENP TRIM DEVLON SEATS VGLTED/GRP	3
BALL	350	14	600	CL	RFSF	SFEROVA	FB 3P TM FS GO (316) NACE SI OFFSHORE SPEC	A105/LF2	316/F51 TRIM DEVLON SEAT FR58/90-GRP	2
BALL	350	14	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM PEEK SEAT VGLT/ED GRP 17-4 PH ST	1
BALL	400	16	150	CL	RFSF	APV	FB 2P TM FS GO NACE SI 2515AIGF	WCC	ENP TRIM RPTFE VAED/GRP 17-4 PH ST	1
BALL	400	16	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VAED/GRP	3
BALL	400	16	150	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM POM (DELFIN) SEAT VGLT/ED GRP	3
BALL	400	16	300	CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCB	316 TRIM DEVLON SEAT VAED/GRP	1
BALL	400	16	300	CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	316 TRIM DEVLON SEAT FR58/90-GRP	2
BALL	400	16	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM RPTFE SEAT VGLT/ED GRP	1
BALL	400	16	300	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI DPE SEATS	F51	F51 TRIM RPTFE SEAT LIPSEALS/GRP	3
BALL	400	16	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PEEK SEAT VGLT/AED F51 ST	2
BALL	400	16	600	CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI DIB-2	A105/LF2	316 TRIM PHST DEVLON SEAT E985 GRP	1
BALL	400	16	900	CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	F6A TRIM DEVLON SEAT VAEDGLT/GRP	1

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							
BALL	400	16	900 CL	RTJUC	SFEROVA	FB 3P TM FS GO NACE SI DPE SEATS	A105/LF2 F51 TRIM	DEVLON SEAT E985/GRP	1
BALL	450	18	150 CL	RFSF	APV	FB 2P TM FS GO NACE SI	WCB	316 TRIM POM (DELRI) SEAT VGLT/ED GRP F51 ST	1
BALL	450	18	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLT/ED GRP	2
BALL	450	18	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VGLT/ED GRP	2
BALL	450	18	300 CL	RFSF	APV	FB 2P TM FS GO NACE SI	LCC	316 TRIM POM SEAT VGLTED/GRP	1
BALL	450	18	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENP TRIM DEVLON SEAT VAED/GRP	1
BALL	450	18	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM DEVLON SEAT VGLTED/GRP	1
BALL	450	18	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105N	ENP TRIM PEEK SEAT VAED/GRP	2
BALL	450	18	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	LF2N	316 TRIM DEVLON SEAT VGLT/ED GRP	1
BALL	500	20	150 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	ENPH TRIM DEVLON SEAT VGLT/ED GRP	1
BALL	500	20	300 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI	A105/LF2	316 TRIM PTFE SEAT VAEDGLT/GRP	1
BALL	500	20	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI CHEVRON APP DIB-2	A105/LF2	ENP TRIM PEEK SEAT VGLTED/GRP	2
BALL	500	20	600 CL	RFSF	SFEROVA	FB 3P TM FS GO NACE SI CHEVRON APP DBB	A105/LF2	ENP TRIM PEEK SEAT VGLTED/GRP	1
BALL	600	24	150 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	ENP TRIM DEVLON SEAT VAEDGLT/GRP	3
BALL	600	24	300 CL	RFSF	APV-FZV	FB 3P TM FS GO NACE SI CHEVRON/SHELL/BP APP	A105/LF2	ENP TRIM DEVLON SEAT VAEDGLT/GRP	3

CERTIFICATION: MATERIAL & TEST CERTIFICATION FOR ALL BALL VALVES TO EN10204-3.1 (DIN500493.1) (FORMERLY 50049.3.1B)

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							

TRIM DETAILS: FOR HIGHER CLASSES & LARGER SIZES, MOST TRUNNION VALVES HAVE 410SS (F6A) OR INCONEL 718 STEM FOR ENP TRIM AND 17-4PH OR F51 OR INCONEL 718 STEM FOR 316/F51 TRIM

ABBREVIATIONS:-

A105/LF2=DUAL CERTIFIED A105N & LF2, 316/L=DUAL CERTIFIED 316/316L, A20=ALLOY 20, APV=AUSTRALIAN PIPELINE VALVE, 1P=1 PIECE (END ENTRY OR SIDE), 2P=2 PIECE, 3P=3 PIECE, A20=ALLOY 20 (CN7M), BI-D=BI DIRECTIONAL FLOW, BRZ=LQ2 OR B62 BRONZE, BW=BUTTWELD, CC=CHROMIUM CARBIDE OVERLAY, CGPTFE=CARBON GRAPHITE FILLED PTFE SEAT, CI=CAST IRON, CL=ANSI/ASME CLASS, CGPTFE=CARBON+GRAPHITE REINFORCED PTFE "STARFILL", CPTFE=CARBON FILLED PTFE SEAT, CRYO=CRYOGENIC, E985=ELAST-O-LION 985 -49° TO 160°C (AED), ENP=.003" ELECTROLESS NICKLE PLATED, ENPH=.003" ENP MIN 900VHN (67FC), EXT BON=EXTENDED BONNET, F51=DUPLX STAINLESS (S31803/0303MINI/4CT), FB=FULL BORE, FF=FLAT FACE, FTO=F-TO FACE TO FACE, FL=FLOATING BALL, FS=FIRE SAFE, GRP=GRAPHITE OR GRAPHOIL, GO=GEAR OPERATED, HF=STELLITE HARD FACE, HT=HIGH TEMPERATURE, LD=LOCKING DEVICE, LO=LEVER OPERATED, LP=LONG PATTERN, NACE=NACE MR-0175, NF=NON FIRE SAFE, NP=NICKLE PLATED, NPT=NATIONAL PIPE THREAD (LP THREAD), PBE=PLAIN BOTH ENDS - WE CAN SUPPLY AS IS FOR MALE SOCKET WELD OR MACHINE TO BUTTWELD IN EQUAL OR LIGHTER SCHEDULE, PKG=PACKING (STEM PACKING), PRESS BAL=PRESSURE BALANCED INVERTED PLUG, PSB=PRESSURE, PUP=INTEGRAL LONG ENDS, RB=REDUCED BORE, RF=RAISED FACE CONCENTRIC SERRATED, RFSF=RAISED FACE SMOOTH FINISH (3.2 TO 6.3 RA, 125 TO 150 AARH) RTJ= RING JOINT GASKET, RTJUC=TO RTJ SPECIFICATIONS UNMACHINED GROOVE CAN MACHINE TO RTJ OR RFSF, SB=STANDARD BORE, SI=SEALANT INJECTION SEATS + STEM OR BODY & STEM SMALL SIZES (316SS), SW=SOCKET WELD, SP=SHORT PATTERN, ST=STEM, ST#6=STELLITE #6 OVERLAY, STELL=STELLITE TABLE-BRITISH/AUSTRALIAN STANDARD "AS2129 AUSTRALIAN STANDARD" AS487 TABLE FLANGING BS/AS TCC-TUNGSTEN CARBIDE COATED, TC=THROUGH CONDUIT, UNDRILL=UNDRILLED, UNI-D=UNI DIRECTIONAL FLOW (ALL VALVES BI-D UNLESS SHOWN), VAED=ANTI EXPLOSIVE DECOMPRESSION JAMES WALKER FRS8/90 OR HUTCHINSON (GASKETS INTERNATIONAL SRL ITALY) EQUIVALENT (NORSOK M710 ERTIFIED 10% CO2), VGLT=VITON GLT (-46°C) AED, WB=WELDED BODY, XYL=XYLAN (PTFE) COATED B8M BOLTS

*AUSTRALIAN STANDARD AS2129 IS EQUIVALENT TO AND DERIVED FROM BRITISH STANDARD BS10. (DUE TO METRICATION, WHERE FLANGES ARE DRILLED AND TAPPED, AS FLANGES ARE METRIC AS OPPOSED TO BS WHICH CAN BE UNC TAPPED. AS2129 IS STILL IN PLACE FOR TALE D TO H BUT HAS BEEN UPDATED BY AS 4087 WHICH SPECIFIES THE SAME DRILLING BUT USES THE PN PRESSURE RATING SYSTEM PN 16 TO 35. BS TABLE J TO K HAVE BEEN DELETED AND REPLACED BY AS4331 (ISO 7005-1) WHICH COVERS PN 2.5 TO PN 420 (METRIC EQUIVALENT OF ANSI B16.34/MSS-SP44)

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GLOBAL SUPPLY LINE ENGINEERING FULLY EQUIPPED ENGINEERING AUTOMATION AND TEST FACILITY CAN PERFORM THE FOLLOWING CONVERSIONS IN DAYS NOT WEEKS:-

OPERATORS:

GLOBAL SUPPLY LINE STOCK ALL TYPES OF GEARBOXES (INCLUDING DECLUTCHABLE GEARBOXES), AS WELL AS PNEUMATIC ACTUATORS (COMPACT AND HEAVY DUTY CYLINDRICAL). WE ALSO STOCK A FULL RANGE OF 316SS BRACKETS AND ADAPTORS, COUNTER WEIGHTS, EXTENSIONS, CONTROLS, DEADMAN LEVERS, LOCKING DEVICES CAN ALL BE FITTED.

TRIM:-

GLOBAL SUPPLY LINE STOCK A FULL RANGE OF SPARES FOR ALL STARLINE AND JC VALVES AND SPARE FOR OTHER BRANDS CAN BE SUPPLIED IN SHORT DELIVERY FOR INSTANCE WE STOCK AND CAN FIT SEATS IN THE FOLLOWING MATERIALS:- PEEK, BRONZE FILLED PTFE, CARBON AND GRAPHITE FILLED PTFE, GRAPHITE, PURE PTFE, TEFLON ETC. WE ALSO STOCK A FULL RANGE OF OTHER TRIM COMPONENTS SUCH AS ALTERNATE STEM PACKING AND BODY GASKETS FOR QUICK TURN AROUND OF SPECIALS. WE EVEN STOCK ELAST-O-LION 985 AND OTHER SPECIAL O-RINGS AND SEALS. PACKING TYPES CAN ALSO EASILY BE CHANGED.

SPECIAL CONVERSIONS:-

GLOBAL SUPPLY LINE ENGINEERING CAN MODIFY END CONNECTIONS FOR GRAYLOC™ BUTTWELD, PUP ENDS, ETC. WE ALSO KEEP A HUGE RANGE OF STARLINE SPARE ENDS ALLOWING US TO SUPPLY ALL TYPES OF ALTERNATE END CONNECTIONS. GLOBAL SUPPLY LINE ENGINEERING CAN ALSO FIT BY-PASSES, ARRANGE OXYGEN CLEANING, PERFORM SCREW-DOWN-NON-RETURN CONVERSIONS ETC.

DESIGN STANDARDS BALL VALVES:- API6D, ASME/ANSI B16.34, ASME B31.1, BS5351, API608, ISO 14313

DIMENSIONS:- TO ASME/ANSI B16.10, SHORT PATTERN & LONG PATTERN

DESIGN PRESSURE/TEMP:- ASME/ANSI B16.34

END CONNECTIONS:- ASME/ANSI B16.5, ASME/ANSI B16.1, ASME/ANSI B16.25, BS21 (TO SUIT ASME B36.10M PIPE SIZES)

FIRESAFE STANDARD:- API607 7TH EDITION, EN15010497, ANTISTATIC

BODY MATERIALS:- ASTM A105, A216 WCB, A216 LCB, ASTM A350 LF2, ASTM A351 CF8, ASTM A351 CF8M, DUPLEX, SUPER DUPLEX, ASTM A216 GR WCB AUSTENITIC, ASTM A351 GR CF8M, ASTM A182 F51, ALLOY 20-CNM, ASTM A182 F316L, ASTM A182 F316, ASTM A182 F304L, ASTM A182 F304, BRONZE B62, BRONZE B148 ALUMINIUM BRONZE

END TYPES:- BSP THREADED, NPT THREADED, BUTT WELD, SOCKET WELD, FLANGED ANSI RF (SMOOTH FINISH, STOCK FINISH) FLANGED ANSI RING JOINT (RING GROOVE), FLANGED AS/BS TABLE C, D, E, F, H, J, GRAYLOK ENDS.

TRIM TYPES:- ENP .003 INCH (ELECTROLESS NICKLE PLATED), CR13SS (AISI 410SS), F6, F6A, ASTM A182 316L, ASTM A182 316, ASTM A182 304L, ASTM A182 304, BRONZE, ALUMINIUM BRONZE, ALLOY 20, DUPLEX, NACE MR-01-75.

AVAILABLE SEATS:- (SELECTED BRANDS) METAL, PEEK, DEVLON, NYLON, DELRIN, REINFORCED PTFE, VIRGIN PTFE, STELLITE, TUNGSTEN CARBIDE, PCTFE (KELF), CARBON PTFE, CARBON HARD FACED GRAPHITE.

SHUT OFF CLASS:- ISO 5208 RATE A, API598/API6D ALSO METAL SEAT IN CLASS V, VI AND ISO 5208

MOUNTING PAD:- ISO 5211 AVAILABLE CERTIFICATION:- FUGITIVE EMISSION, LNG CRYOGENIC CERTIFIED, CE, PED, AGA APPROVAL, SIL3, API6DSS, TA LUFT CLEAN AIR, LLOYDS SHIPPING, SHELL APPROVED.

NDT ON DUPLEX:- ALL DUPLEX IS CORROSION TESTED AND HAS MICROGRAPHIC EXAMINATION DYE PENETRANT TEST (X-RAY/UT ALSO AVAILABLE IN SOME BRANDS)

BUTTWELD ENDS:- ALL BUTTWELD END CONNECTIONS ARE DYE PENETRANT TESTED TO MSS SP-93

SPRINGS:- ALL TRUNNION VALVES HAVE INCONEL X750 SPRINGS BEHIND SEATS

TRUNNION BALL VALVES:- AUSTRALIAN PIPELINE VALVE, JC, SFEROVA & STARLINE TRUNNION MOUNTED BALL VALVES ARE THE SAME OR SIMILAR STYLE, DIMENSIONS, FEATURES, MATERIALS AND STANDARDS AS PBVS, PBV, ORSENGIO, GROVE B5, B4, B4B, EO, E1, E2, E3, STYLE FULL THROUGH CONDUIT API6D TRUNNION BALL VALVES. ALL TRUNNION MOUNTED VALVES STOCKED ARE AUTOMATIC CAVITY RELIEF WITH SELF RELIEVING SEATS AND ARE ALL DOUBLE BLOCK & BLEED CAPABLE. DOUBLE BLOCK AND BLEED TEST CAN BE IF PERFORMED PRIOR TO DESPATCH REQUIRED. DOUBLE PISTON EFFECT SEATS (DPE) WITH CAVITY RELIEF VALVE CAN ALSO BE SUPPLIED ON SPECIAL REQUEST

SCREWED END BALL VALVES:- AUSTRALIAN PIPELINE VALVE NPT BALL VALVES ARE THE SAME DIMENSIONS & STANDARDS AS, AND A COMPETITOR TO KF™, APOLLO™, BALON™, KVC™, EMICO™, OMB™, KITZ™ etc.

APPROVALS:- APV, JC AND STARLINE ARE FLOATING & TRUNNION BALL VALVES ARE AGA APPROVED APV, JC, STARLINE AND SFEROVA ARE FUGITIVE EMISSION PROTOTYPE CERTIFIED, FIRESAFE CERTIFIED TO API607 5TH & 6TH EDITION AND ISO 10497 AND SIL3 CERTIFIED. IN ADDITION STARLINE ARE SHELL APPROVED, APV, SFEROVA AND JC ARE APPROVED BY NUMEROUS MAJORS WORLDWIDE

STOCK HOLDING STRENGTHS - BALL VALVES

MORE EXAMPLES OF OUR STOCK RANGE DIVERSITY INCLUDE: -

- WE STOCK GRADE LCC SPECIFIED DUAL CONFORMING TO WCC, LCB AND WCB. THIS PROVIDES A WIDER PRESSURE TEMPERATURE RANGE AND FOR BUTTWELD CONVERSION, WCC AND LCC IS HIGHER X-RAY QUALITY DUE TO ITS SUPERIOR DENSITY (LCC IS BETTER AGAIN THAN WCC)
- TRUNNION BALL VALVES FITTED WITH ELAST-O-LION 985 O-RINGS ARE A E D WHILST PROVIDING A WIDER TEMPERATURE RANGE (DOWN TO -46°C) BUT ARE ALSO METHANOL RESISTANT. WE ALSO STOCK PTFE (SILICON + PFA) O-RINGS OR PTFE CHEVRON RINGS IN LIEU OF VITON O-RINGS ON SOME STAINLESS TRUNNION VALVES TO PROVIDE A WIDER CHEMICAL RESISTANCE AS WELL AS A HIGHER AND LOWER TEMPERATURE RANGE THAN ELASTOMERS.
- VALVES ARE STOCKED WITH ISO MOUNT PADS AND LOCK DEVICES. WE ALSO STOCK SPARE 316SS LEVER AND LOCK DEVICES TO SUIT APV, JC AND STARLINE.
- WE STOCK VALVES READY TO SHIP WITH GEARBOXES IN SIZES WHERE OTHERS STOCK HAND WHEEL OR LEVER.
- A FULL RANGE OF GEARBOXES AND PNEUMATIC ACTUATORS ARE KEPT EX STOCK.
- BALL VALVES ARE STOCKED WITH PTFE, GRAPHITE, PTFE, PEEK AND METAL TO METAL SEATS. ALSO IN JC, STARLINE, AND APV WE HOLD A FULL RANGE OF SPARES IN STOCK INCLUDING SPARE SEATS IN GRAPHITE, BRONZE FILLED PTFE, CARBON + GRAPHITE PTFE, TEFLON, PEEK, ETC. WE ALSO STOCK SPARE SEALS, PACKINGS, AND BODY GASKETS ENABLING US TO RECONFIGURE VALVES TO SUIT ANY REQUIREMENT.
- APV AND JC ALLOY BALL VALVES ARE ALSO STOCKED WITH SPECIAL BODY GASKETS WHICH HAVE A SUPERIOR SPIROMETRIC TRIPLE BARRIER SEAL INCORPORATING A FIRESAFE 316 SPIRAL WOUND GRAPHITE FILLED GASKET WHICH ALSO HAS AN INTEGRAL PTFE INNER SEAL. THE 3 MATERIAL TYPES ENSURE A WIDE TEMPERATURE RANGE AND A SUPERIOR SEAL. IN THE CASE OF FLOATING BALL VALVES THIS ALSO REMOVES THE NEED FOR A SECONDARY INTERNAL VITON O-RING WHICH HAS A LIMITED CHEMICAL RESISTANCE AND A MUCH LOWER TEMPERATURE RANGE COMPARED TO PTFE.
- JC, STARLINE, SFEROVA AND APV HOLD CERTIFICATES AND APPROVALS SUCH AS SIL3, AGA APPROVAL, API607 6TH EDITION, FIRESAFE CERTIFICATION, API LICENSES AS WELL AS CONFORMING AND TO STANDARDS SUCH AS API6A, API6D, API600, API608, ANSI B16, AS4629 AND AS4617
- ALLOY STEEL FLOATING AND TRUNNION VALVES ARE OFTEN SPECIFIED WITH PTFE (PFA) COATED SILICON O-RINGS (OR SOLID PTFE U-RINGS) IN LIEU OF CONVENTIONAL VITON O-RINGS. THIS PROVIDES A LOWER AND HIGHER TEMPERATURE RANGE AS WELL AS THE MUCH WIDER CHEMICAL RESISTANCE SPECTRUM PROVIDED BY PTFE. FURTHERMORE, IN APV AND JC IN FLOATING BALL VALVES DOUBLE STEM PACKING (LONG CHAMBER) WITH GRAPHITE UPPER MAINTAINS FIRESAFE RATING WHILST PTFE LOWER PROVIDES A WIDER CHEMICAL RESISTANCE. FURTHERMORE, THE IMPROVED SEALING CAPABILITIES OF PTFE MEANS THE LOWER VITON STEM SEAL IS NOT REQUIRED REMOVING THE TEMPERATURE AND CHEMICAL RESISTANCE LIMITATIONS OF THIS O-RING.
- SPECIAL FACE TO FACE DIMENSION OPTIONS THAT NO ONE ELSE STOCKS. (SHORT PATTERN, LONG PATTERN AND REGULAR PATTERN).
- HEAVIER SCHEDULE BUTTWELD OPTIONS RELATIVE TO CLASS FOR SPECIAL APPLICATIONS.
- FULL PROFESSIONAL SERIALISED DETAILED DRAWINGS WITH CORRECT BILL OF MATERIALS "AS BUILT" FOR THAT ORDER.
- AS WELL AS BODY TEST AND PRESSURE MATERIAL CERTIFICATES FOR PRESSURE RETAINED PARTS TO EN10204.3.1. VALVES STOCKED ALSO HAVE CERTIFICATION ON MAJOR TRIM COMPONENTS.
- ALL BODY AND TRIM COMPONENTS ARE HEAT TREATED, WITH THE REQUIRED METHOD BEING DULY NOTED ON THE CERTIFICATE.
- WE STOCK ALL ACCESSORIES LIKE DEADMAN LEVERS, DECLUTCHABLE GEARBOXES, ITALIAN MADE ACTUATOR ADAPTORS AND BRACKETS, 316SS/17-4PH BALL VALVE LEVERS, ETC.

EXAMPLES OF OUR STOCKHOLDING QUALITY POINT DIFFERENCE INCLUDE: -

- LONG HEAVY LEVERS 80NB AND OVER
- STAINLESS LEVERS AND LOCK DEVICES AVAILABLE ALL BRANDS
- ANTI CORROSIVE FILM ON INTERNALS AND GASKET FACE
- STAINLESS TOP WORKS COMPONENTS.
- STAINLESS EXTERNAL COMPONENTS SUCH AS SEALANT INJECTION NIPPLES ON ALL BRANDS BALL VALVES.
- API608/API6D/ANSI B16 FLOATING BALL VALVES WITH HIGH TENSILE BOLTING EVEN IN STAINLESS BODY, NOT TAIWANESE LIGHT WALL VALVES WITH LIGHT DUTY BOLTS.
- OUR F51 STOCK HAS CORROSION TEST CERTIFICATION, DUPLEX OR B8M PLUS XYLAN COATED BOLTS, STAINLESS STEEL LEVERS, ETC.
- STARLINE FLOATING AND TRUNNION VALVES ARE LOW TORQUE.

OUR SPECIFICATIONS ALWAYS SURPASS MARKET REQUIREMENTS. FOR EXAMPLE FEATURES LIKE STAINLESS OR GALVANISED BODY BOLTS, PACKING BOLTS AND BODY FITTINGS ARE FREQUENTLY SPECIFIED EVEN WHEN IT'S NOT THE INDUSTRY STANDARD.

EXAMPLES OF STOCK HOLDING CERTIFICATION AND ACCREDITATION POINTS OF DIFFERENCE: -

IN ADDITION TO ISO 9001:2015 CERTIFICATION, VALVES IN STOCK ARE HELD WITH A HIGHER THAN REQUIRED LEVEL OF CERTIFICATION. BRANDS STOCKED HAVE MAJOR APPROVALS AND CERTIFICATES LIKE SIL3, AGA, SHELL SIPM, FUGITIVE EMISSIONS PROTOTYPE (TAT), LLOYDS LNG CRYOGENIC APPROVAL, API6D, API6A ETC. OTHER EXAMPLES INCLUDE:

- DYE PENETRANT TEST ON ALL WELDED BONNETS AND ALL BEVELLED BUTTWELD ENDS ON CAST VALVES.
- CORROSION TEST, ULTRASONIC TEST (& DYE PENETRANT ON CASTINGS) ON F51 DUPLEX.
- CERTIFICATION ON MAJOR TRIM COMPONENTS.
- CORROSION ALLOWANCE 2.0 TO 3.0 MM.
- NORSOK M710 APPROVED O-RING
- ROTORK GEARBOXES WITH 316SS INPUT SHAFT AND LOCK DEVICE

TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							

AUSTRALIAN PIPELINE VALVE BALL VALVE QUALITY POINTS OF DIFFERENCE

UNLIKE MOST CHINESE AND TAIWANESE FLANGED FLOATING BALL VALVES, APV FLANGED AND BUTTWELD BALL VALVES ARE MANUFACTURED IN ACCORDANCE WITH ASME/ANSI, API608 AND API6D REQUIREMENTS FOR STANDARDS SUCH AS WALL THICKNESS, FLANGE THICKNESS, AND BOLTING. MOST TAIWANESE AND CHINESE BALL VALVES (PARTICULARLY IN STAINLESS STEEL BODY) ARE LIGHT PATTERN AND DESPITE DOCUMENTATION SHOWING APPLICABLE STANDARDS, THE JOINING BODY FLANGE AND/OR END FLANGE THICKNESS OFTEN DOES NOT CONFORM TO ASME/ANSI B16. ALSO, THE WALL THICKNESS OF THE BODY ITSELF OFTEN DOES NOT CONFORM TO ASME B16 WALL.

FURTHERMORE, CHINESE AND TAIWANESE BALL VALVES USUALLY DO NOT HAVE HIGH TENSILE HEX, HEAVY DUTY BOLTS AND NUTS (AGAIN PARTICULARLY IN STAINLESS STEEL BODY) WHICH ARE ALSO REQUIRED IN ORDER FOR THE VALVE TO CONFORM TO ASME & API REQUIREMENTS. CONSEQUENTLY THE DESIGN OF SUCH VALVES IS NOT UP TO ANSI/API STANDARDS IN TERMS OF BENDING STRENGTH, PRESSURE HOLDING CAPABILITIES AND CORROSION ALLOWANCES. APV FLOATING AND TRUNNION BALL VALVES ARE SOLID BALL, NOT HOLLOW BALL OR "HOLLOW CORE" (HOLLOW CORE HAS A WELDED IN CYLINDER IN THE BORE, A PRACTICE COMMON AMONGST CHINESE MANUFACTURERS). ALL APV CAST STEEL VALVES ARE INVESTMENT CAST WITH METAL MOLDS IN SMALLER SIZES UP TO 100NB (4") SILICA SOL. LOST WAX PROCESS IS USED ESPECIALLY FOR STAINLESS AND ALLOY VALVES. FOR VALVES 100 NB (4") UP TO 300NB (12") SIZE, INVESTMENT CAST WATER GLASS LOST WAX PROCESS CASTINGS ARE USED. FOR LARGER SIZES AND HIGHER PRESSURE CLASSES SUPERIOR RESIN SAND CASTINGS ARE USED.

ALL SIZES OF BALL VALVES ARE MANUFACTURED IN ACCORDANCE WITH API6D, API607 AND ANSI B16, HENCE WALL THICKNESS AND ALL OTHER REQUIREMENTS FULLY CONFORM. FURTHERMORE, FOR 100NB (4") 150/300 CLASS AND ABOVE (DEPENDING ON STYLE), APV GENERALLY USE THE ROUND BODY DESIGN NOT THE SCALLOPED DESIGN. THIS PROVIDES A HEAVIER WALL AROUND THE BODY BOLT PENETRATIONS MINIMISING LIST OF THROUGH LEAKAGE WHILE INCREASING BENDING STRENGTH. IN 150 AND 300 CLASS FROM 80NB (3") HEAVIER, LONGER LEVERS ARE FITTED AS STANDARD AND FROM 100NB (4"), "POLE LEVERS" WITH HEAVY TEE PIECES ARE USED.

IN ADDITION, THE FULL RANGE OF APV FLOATING AND TRUNNION BALL VALVES ARE FIRESAFE TESTED AND DNV WITNESSED TO API607 (5TH & 6TH EDITION) AND ISO 10497 AND API6FA. FURTHERMORE, APV'S FIRESAFE CERTIFICATES SHOW DNV WITNESS VERIFICATION OF THE ACTUAL MODEL STYLE OF THE VALVE TESTED WHICH IN TURN IS REFERENCED ON DRAWINGS AND CERTIFICATE FURNISHED WITH THE VALVES. FURTHERMORE OUR BALL VALVES ARE FUGITIVE EMISSION PROTOTYPE CERTIFIED TO API622 2ND EDITION - DNV WITNESSED.

JC, SFEROVA AND STARLINE BALL VALVES ALL HAVE ROTORK ITALY GEARBOXES AND 316SS SEALANT INJECTION FITTINGS.

WE WORK WITH OUR SUB-CONTRACTORS SPECIFYING CONTINUOUS IMPROVEMENTS SUCH AS: HEAVIER STEMS AND LEVERS, LARGER SEAT CONTACT AREAS, AND STAINLESS STEEL TOP-WORKS COMPONENTS. COMPACT QUALITY DIAMOND GEAR GEARBOXES ARE USED, NOT "CHINA DOMESTIC" LARGE WCB GEARBOXES AS SUPPLIED BY OTHER BRANDS.

AUSTRALIAN PIPELINE VALVE WAS ONE OF THE FIRST COMPANIES IN THE WORLD TO GAIN FIRE SAFE CERTIFICATION TO THE 7TH EDITION OF API607 AND ISO 10497 FOR FLOATING AND TRUNNION BALL VALVES AS WELL AS FUGITIVE EMISSION CERTIFIED ISO 15848-1

APV CAN ALSO SUPPLY 150 AND 300 CLASS SHORT PATTERN TRUNNION AND FLOATING BALL VALVES IN 150MM (6") TO 400MM (16") IN REDUCED AND FULL PORT. IN MANY CASES NO ONE ELSE IN THE WORLD CAN OFFER SHORT PATTERN SOLUTIONS IN THESE SIZES. 1 PIECE, 2 PIECE, 3 PIECE AND WELDED BODY DESIGN SOLUTIONS ARE AVAILABLE IN FLANGED & TAPPED AND CARTRIDGE COFIGURATIONS.

GLOBAL SUPPLY LINE PRODUCT RANGE BALL VALVES, FLOATING & TRUNNION BALL

FIRESAFE, FORGED AND CAST, PTFE AND METAL SEATED, 2 PIECE AND 3 PIECE BODY, WELD BODY, LEVER AND GEAR OPERATED AND WITH PNEUMATIC ACTUATOR.
ANSI END CONNECTIONS: - ANSI RTJ (RING JOINT) FLANGED, SOCKETWELD, ANSI RF FLANGED (SMOOTH FINISH), LONG EXTENDED PUP ENDS, NPT, BSP, PBE, BUTTWELD STANDARD WEIGHT, BUTTWELD SCHEDULE 40, BUTTWELD SCHEDULE 80, BUTTWELD SCHEDULE 160, BUTTWELD SCHEDULE XXS.

OTHER END CONNECTIONS: - FLANGED BS TABLE D (AS TABLE D), FLANGED BS TABLE E (AS TABLE E), FLANGED BS TABLE F (AS TABLE F), FLANGED BS TABLE H (AS TABLE H), FLANGED BS TABLE J (AS TABLE J), FLANGED BS TABLE K (AS TABLE K), FLANGED BS TABLE R (AS TABLE R). FLANGED: - PN16, PN10, PN25, JIS10, DIN10, DIN16, ANSI 125 CLASS, ANSI 150 CLASS, ANSI 300 CLASS. NACE MR-01-75, H2S SERVICE.

MATERIAL: - WCB, A105N, LF2, CAST IRON, DUCTILE IRON, F22, F11, W6, W5, ALLOY 20 (A20), MONEL, DUPLEX (F51), LF2 (LOW TEMPERATURE), LCB, 304, CF8, CF8M, 316, 304L, 316L, CF3, CF3M, CF8G, 347, CE8M, S31803, SAF2205, F5.

BOLTS: - B7M, L7M, B8, B8M.

OPERATOR: - LOCKABLE, GEAR-OPERATED, EXTENDED BONNET, EXTENDED STEM, CHAIN WHEEL OPERATED, PNEUMATIC ACTUATOR, ELECTRIC ACTUATOR, ESD, ESDV

SEATS: - TEFLON, RPTFE, PEEK, CARBON PTFE, GRAPHITE, DEVLON, NYLON, TEFZEL, METAL TO METAL. LOW AND HIGH TEMPERATURE. O-RINGS/SEALS/PACKING: - VITON B, VITON AED, ELAST-O-LION 985, AFLS, HNBR, FR58/90, BUNA, GRAPHITE.

BODY OR BONNET SEALS: - GRAPHITE, VITON, 316SS SPIRAL WOUND, GRAPHITE FILLED, 316SS RING JOINT GASKET, TEFLON, PTFE, AND RPTFE. DIMENSIONS TO ANSI B16.1, END CONNECTIONS TO ANSI B16.34. ANSI CLASS 125, ANSI CLASS 150, ANSI CLASS 300, ANSI CLASS 600, ANSI CLASS 900, ANSI CLASS 1500, ANSI CLASS 2500, ANSI CLASS 2690. LONG PATTERN, SHORT PATTERN, FULL PORT (FULL BORE), REDUCED PORT (REDUCED BORE).

GLOBAL SUPPLY LINE PRODUCT RANGE BALL VALVES, FLOATING & TRUNNION BALL

FIRESAFE, FORGED AND CAST, PTFE AND METAL SEATED, 2 PIECE AND 3 PIECE BODY, WELD BODY, LEVER AND GEAR OPERATED AND WITH PNEUMATIC ACTUATOR.
ANSI END CONNECTIONS: - ANSI RTJ (RING JOINT) FLANGED, SOCKETWELD, ANSI RF FLANGED (SMOOTH FINISH), LONG EXTENDED PUP ENDS, NPT, BSP, PBE, BUTTWELD STANDARD WEIGHT, BUTTWELD SCHEDULE 40, BUTTWELD SCHEDULE 80, BUTTWELD SCHEDULE 160, BUTTWELD SCHEDULE XXS.

OTHER END CONNECTIONS: - FLANGED BS TABLE D (AS TABLE D), FLANGED BS TABLE E (AS TABLE E), FLANGED BS TABLE F (AS TABLE F), FLANGED BS TABLE H (AS TABLE H), FLANGED BS TABLE J (AS TABLE J), FLANGED BS TABLE K (AS TABLE K), FLANGED BS TABLE R (AS TABLE R). FLANGED: - PN16, PN10, PN25, JIS10, DIN10, DIN16, ANSI 125 CLASS, ANSI 150 CLASS, ANSI 300 CLASS. NACE MR-01-75, H2S SERVICE.

MATERIAL: - WCB, A105N, LF2, CAST IRON, DUCTILE IRON, F22, F11, W6, W5, ALLOY 20 (A20), MONEL, DUPLEX (F51), LF2 (LOW TEMPERATURE), LCB, 304, CF8, CF8M, 316, 304L, 316L, CF3, CF3M, CF8G, 347, CE8M, S31803, SAF2205, F5.

BOLTS: - B7M, L7M, B8, B8M.

OPERATOR: - LOCKABLE, GEAR-OPERATED, EXTENDED BONNET, EXTENDED STEM, CHAIN WHEEL OPERATED, PNEUMATIC ACTUATOR, ELECTRIC ACTUATOR, ESD, ESDV

SEATS: - TEFLON, RPTFE, PEEK, CARBON PTFE, GRAPHITE, DEVLON, NYLON, TEFZEL, METAL TO METAL. LOW AND HIGH TEMPERATURE. O-RINGS/SEALS/PACKING: - VITON B, VITON AED, ELAST-O-LION 985, AFLS, HNBR, FR58/90, BUNA, GRAPHITE.

BODY OR BONNET SEALS: - GRAPHITE, VITON, 316SS SPIRAL WOUND, GRAPHITE FILLED, 316SS RING JOINT GASKET, TEFLON, PTFE, AND RPTFE. DIMENSIONS TO ANSI B16.1, END CONNECTIONS TO ANSI B16.34. ANSI CLASS 125, ANSI CLASS 150, ANSI CLASS 300, ANSI CLASS 600, ANSI CLASS 900, ANSI CLASS 1500, ANSI CLASS 2500, ANSI CLASS 2690. LONG PATTERN, SHORT PATTERN, FULL PORT (FULL BORE), REDUCED PORT (REDUCED BORE).

TYPE	SIZE	RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH						

SIZES

8MM NB	.25 INCH (1/4 INCH)	175MM NB	7 INCH
10MM NB	.375 INCH (3/8 INCH)	200MM NB	8 INCH
15MM NB	.5 INCH (1/2 INCH)	250MM NB	9 INCH
20MM NB	.75 INCH (3/4 INCH)	300MM NB	10 INCH
25MM NB	1 INCH	350MM NB	12 INCH
32MM NB	1.25 INCH (1 1/4 INCH)	375MM NB	14 INCH
40MM NB	1.5 INCH (1 1/2 INCH)	400MM NB	16 INCH
50MM NB	2 INCH	450MM NB	18 INCH
65MM NB	2.5 INCH (2 1/2 INCH)	600MM NB	22 INCH
80MM NB	3 INCH	700MM NB	26 INCH
100MM NB	4 INCH	750MM NB	30 INCH
125MM NB	5 INCH	800MM NB	36 INCH
150MM NB	6 INCH	900MM NB	40 INCH

SPECIALS

CRYOGENIC, HIGH TEMPERATURE, LOW TEMPERATURE, ESD EMERGENCY SHUTDOWN.

BRANDS

AUSTRALIAN PIPELINE VALVE, SFEROVA ITALY, JC SPAIN, STARLINE ITALY.

SMALL BORE

NPT, BSP AND WELD ENDS IN - 1000 PSI - (6900 KPA), 2000 PSI (800 CLASS) - (1400 KPA), 3000 PSI (API3000) - (2800 KPA), 5000 PSI (API5000) - (34500KPA), 6000 PSI - (41400 KPA), 10000 PSI - (69000 KPA).

BALL VALVES, TRUNNION MOUNTED

API6D, FULL THROUGH CONDUIT FIRESAFE, FORGED AND CAST, SELF-RELIEVING SEATS, EMERGENCY SEALANT INJECTION, SIDE ENTRY IN 3 PIECE AND 2 PIECE. ALSO TOP ENTRY AND ALL WELDED BODY, SOFT AND METAL SEATED, GEAR OPERATED, DOUBLE BLOCK AND BLEED, LEVER OPERATED, BURIED SERVICE ETC. ALSO TWIN BALL VALVES (TANDEM DOUBLE BLOCK AND BLEED). WE ALSO STOCK PNEUMATIC ACTUATORS, WHICH WE CAN SUPPLY, AND FIT.

ANSI END CONNECTIONS: - ANSI RTJ (RING JOINT) FLANGED, SOCKETWELD, ANSI RF FLANGED (SMOOTH FINISH), LONG EXTENDED PUP ENDS, NPT, BSP, PBE, BUTTWELD STANDARD WEIGHT.

BUTTWELD SCHEDULE 40, BUTTWELD SCHEDULE 80, BUTTWELD SCHEDULE 160, BUTTWELD SCHEDULE XXS.

SIZE RANGE API6A (API6B) 1 13/16 INCH, 2 1/16 INCH, 2 9/16 INCH, 3 1/8 INCH, 3 1/16 INCH, 4 1/16 INCH, 7 1/16 INCH.

BODY MATERIAL: - A130 (60K), API 4140, A487C.
SPECIFICATION: - PR1, PR2, PSL1, PSL2, TEMPU.

NACE MR-01-75, MR-01-03, H2S SERVICE.

MATERIAL: - WCB, A105N, LF2, CAST IRON, DUCTILE IRON, F22, F11, WC6, WCS, ALLOY 20 (A20), MONEL, DUPLEX (F51) F55, LF2 (LOW TEMPERATURE), LCB, LCC, 304, CF8, CF8M, 316, 304L, 316L, CF3, CF3M, A890 4A, 347, CE8M, S31803, SAF2205, F5.

BOLTS: - B7M, L7M, B8, B8M.

OPERATOR: - LOCKABLE, GEN-OPERATED, EXTENDED BONNET, EXTENDED STEM, CHAIN WHEEL OPERATED, PNEUMATIC ACTUATOR, ELECTRIC ACTUATOR, ESD.

SEATS: - TEFLON, RPTFE, PEEK, CARBON PTFE, GRAPHITE, DEVLON, NYLON, TEFZEL, METAL TO METAL.

LOW AND HIGH TEMPERATURE.

O-RINGS/SEALS/PACKING: - VITON B, VITON AED (NORSOK M710 CERTIFIED O-RINGS), BUNA GRAPHITE.

BODY OR BONNET SEALS: - GRAPHITE, VITON, 316SS SPIRAL WOUND, GRAPHITE FILLED, 316SS RING JOINT GASKET, TEFLON, PTFE, AND RPTFE.

DIMENSIONS TO ANSI B16.10 END CONNECTIONS TO ANSI B16.34.

ANSI CLASS 125, ANSI CLASS 150, ANSI CLASS 300, ANSI CLASS 600, ANSI CLASS 900, ANSI CLASS 1500, ANSI CLASS 2500, ANSI CLASS 2690.

API6A 200 LB (2000 PSI), 3000 LB (3000 PSI), 5000 LB (5000 PSI), 10000 LB (10000 PSI), 15000 LB (15000 PSI) LONG PATTERN, SHORT PATTERN.

FULL PORT (FULL BORE), REDUCED PORT (REDUCED BORE).

SIZES

8MM NB	.25 INCH (1/4 INCH)	175MM NB	7 INCH
10MM NB	.375 INCH (3/8 INCH)	200MM NB	8 INCH
15MM NB	.5 INCH (1/2 INCH)	250MM NB	9 INCH
20MM NB	.75 INCH (3/4 INCH)	300MM NB	10 INCH
25MM NB	1 INCH	350MM NB	12 INCH
32MM NB	1.25 INCH (1 1/4 INCH)	375MM NB	14 INCH
40MM NB	1.5 INCH (1 1/2 INCH)	400MM NB	16 INCH
50MM NB	2 INCH	450MM NB	18 INCH
65MM NB	2.5 INCH (2 1/2 INCH)	600MM NB	22 INCH
80MM NB	3 INCH	700MM NB	26 INCH
100MM NB	4 INCH	750MM NB	30 INCH
125MM NB	5 INCH	800MM NB	36 INCH
150MM NB	6 INCH	900MM NB	40 INCH

SPECIALS

CRYOGENIC, HIGH TEMPERATURE, LOW TEMPERATURE, ESD EMERGENCY SHUTDOWN.

BRANDS

AUSTRALIAN PIPELINE VALVE, SFEROVA ITALY, JC SPAIN, STARLINE ITALY.

THIS LIST INCLUDES TRUNNION MOUNTED AND FLOATING TYPE BALL VALVES SIDE ENTRY FIRESAFE MANUFACTURED TO API6D IN CARBON AND STAINLESS STEEL AND DUPLEX STEEL IN FLANGED, BUTTWELD AND SCREWED ENDS. 15MM 20MM 25MM 32MM 40MM 50M 65MM 80MM 100MM 125MM 150MM 200MM 250MM 300MM 350MM 400MM 450MM 500MM 600MM 700MM 750MM 800MM 900MM 1200MM 1400MM (IN 1 INCH 1.5 INCH 2 INCH 3 INCH 4 INCH 5 INCH 6 INCH 8 INCH 10 INCH 12 INCH 14 INCH 16 INCH 18 INCH 20 INCH 24 INCH 56 INCH 56 INCH) IN ANSI/ASME CLASS 125 CLASS 150 CLASS 300 CLASS 600 CLASS 900 CLASS 1500 CLASS 2500 AND API 3000 AND 5000 PSI

Sferova side entry 3 phase body, trunnion mounted ball valve are equivalent design to Pibivisse Model E, Grove B4, B5, B7 and PBV.

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TYPE	SIZE		RATING	ENDS	MANUFACTURER	DESCRIPTION	BODY	TRIM	QTY
	MM	INCH							

BALL VALVE FLANGE STANDARDS

Go to australianpipelinevalve.com.au for APV and Superseal ball valve catalogues.

Stock range of valves in Ductile Iron and cast iron, steel, duplex and special alloys ex Adelaide - Australia:-

Ball Valves, Swing Check Valves, Dual Flap Wafer Check Valves, Wedge Gate Valves, Parallel Slide Gate Valves, Globe Valves, Screw Down Non Return Valves, Plug Valves, Y-Strainers, Basket Strainers.

Size range 6NB to 900NB(1/4" to 36")

Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel.

*Covers pressure class PN14, PN21, PN35 equivalent drilling to BS10D, BS10E, etc. See Global Supply Line Slide rule for minor metrication differences
[Click here](http://www.globalsupplyline.com.au/flange-table-chart-size-as-ansi/) (<http://www.globalsupplyline.com.au/flange-table-chart-size-as-ansi/>)