

IRG-20-186

Lot 1 Alloy 800 UNS N08800

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
6" X 3/4"	6	3/4	FITTINGS	Weldolet	160					6 IN X 3/4 IN WELDOLET ALLOY 800 ASTM B564 UNS N08800 FORGED ANNEALED BE MSS-SP 97 SCH 160 TRACK ID: P06876 COMMODITY NO.: E2M69GPB1Y	1	EA	15
3/4"	3/4		FITTINGS	Elbow	160					3/4 IN 45 DEG LR ELBOW ALLOY 800 ASTM B366-WPNIC-S UNS N08800 SMLS C.D ANNEALED BE ASME B16.9 SCH 160 TRACK ID: P08270 COMMODITY NO.: EGM5OGFB1Y	2	EA	15
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG (ROUND HEAD) ALLOY 800 ASTM B564 UNS N08800 FORGED ANNEALED THRD ASME B16.11 TRACK ID: P08270 COMMODITY NO.: EGM5OGFB1Y	1	EA	15
3/4"	3/4		FLANGES	FLANGES	160					3/4 IN FLANGE WN ALLOY 800 ASTM B564 UNS N08800 CL2500 RJ STD FIN ASME B16.5 SCH 160 ANNEALED TRACK ID: P08255 COMMODITY NO.: FKC87RGKB1Y	1	EA	15
3/4"	3/4	0.219	PIPES	PIPES	160					3/4 IN PIPE ALLOY 800 ASTM B407 UNS N08800 SMLS HOT FIN. ANNEALED BE ASME B36.10M SCH 160 MRO QTY.: 22.7M TRACK ID: P06922 COMMODITY NO.: P06922	25.6	M	16
3/4"	3/4		VALVE	Gate Valve	160		1500	VST01-J1		TRACK ID: P06932 3/4 IN GATE VALVE CL1500 BW SCH 160 API 602 BODY ASTM B564 UNS N08800 TRIM ALLOY 800 UNS N08800 HARD FACED WB STANDARD PORT REFER DATASHEET VST01-J1	1	EA	52
3/4"	3/4		VALVE	Gate Valve	160		1500	VST01-J2		TRACK ID: P08277 3/4 IN GATE VALVE CL1500 BW X THRD SCH 160 API 602 BODY ASTM B564 UNS N08800 TRIM ALLOY 800 UNS N08800 HARD FACED WB STANDARD PORT REFER DATASHEET VST01-J2	1	EA	52
6" X 3/4"	6	3/4	FITTINGS	Weldolet	160					6 IN X 3/4 IN WELDOLET ALLOY 800 ASTM B564 UNS N08800 FORGED ANNEALED BE MSS-SP 97 SCH 160	1	EA	53-54
6" X 1"	6	1	FITTINGS	Weldolet	160					6 IN X 1 IN WELDOLET ALLOY 800 ASTM B564 UNS N08800 FORGED ANNEALED BE MSS-SP 97 SCH 160	1	EA	53-54
1"	1		FITTINGS	Elbow	160					1 IN 90 DEG LR ELBOW ALLOY 800 ASTM B366-WPNIC-S UNS N08800 SMLS C.D ANNEALED BE ASME B16.9 SCH 160	2	EA	53-54
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE ALLOY 800 ASTM B407 UNS N08800 SMLS 100MM LENGTH HOT FIN. ANNEALED BBE ASME B36.10M SCH 160	3	EA	53-54
1"	1		FLANGES	FLANGES	160					1 IN FLANGE WN ALLOY 800 ASTM B564 UNS N08800 CL2500 RJ STD FIN ASME B16.5 SCH 160 ANNEALED	1	EA	53-54
10"	10		FLANGES	FLANGES	120					10 IN FLANGE WN ALLOY 800 ASTM B564 UNS N08800 CL2500 RJ STD FIN ASME B16.5 SCH 120 ANNEALED	1	EA	53-54
1"	1	0.25	PIPES	PIPES	160					1 IN PIPE ALLOY 800 ASTM B407 UNS N08800 SMLS HOT FIN. ANNEALED BE ASME B36.10M SCH 160 1 LGH: 1.40M TO 7M	6	M	53-54
6"	6	0.562	PIPES	PIPES	120					6 IN PIPE ALLOY 800 ASTM B407 UNS N08800 SMLS HOT FIN. ANNEALED BE ASME B36.10M SCH 120 1 LGH: 0.20M TO 7M	6	M	53-54

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Lot 1 Alloy 800 UNS N08800 cont

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
10" X 6"	10	6	FITTINGS	Tee	120					10 IN EQUAL TEE ALLOY 800 ASTM B366-WPNC-S UNS N08800 SMLS(OFFER WELDED) C.D ANNEALED BE ASME B16.9 SCH 120	1	EA	56
10"	10		FITTINGS	Elbow	160					3/4 IN 90 DEG LR ELBOW ALLOY 800 ASTM B366-WPNC-S UNS N08800 SMLS (OFFER WELDED) C.D ANNEALED BE ASME B16.9 SCH 160	1	EA	56
3/4"	3/4		FITTINGS	Elbow	160					3/4 IN 90 DEG LR ELBOW ALLOY 800 ASTM B366-WPNC-S UNS N08800 SMLS C.D ANNEALED BE ASME B16.9 SCH 160	3	EA	56
6"	6		FITTINGS	Cap	120					6 IN CAP ALLOY 800 ASTM B366-WPNC-S UNS N08800 SMLS C.D ANNEALED BE ASME B16.9 SCH 120	7	EA	56
3/4"	3/4		FITTINGS	Elbow	160					3/4 IN 90 DEG LR ELBOW ALLOY 800 ASTM B366-WPNC-S UNS N08800 SMLS C.D ANNEALED BE ASME B16.9 SCH 160 TRACK ID: P06885 COMMODITY NO.: EGM5OGFB1Y	2	EA	56
10"	10	0.844	PIPES	PIPES	120					10 IN PIPE ALLOY 800 ASTM B407 UNS N08800 SMLS HOT FIN. ANNEALED BE ASME B36.10M SCH 120 1LGH: 1.10M TO 7M)	1.5	M	65

Lot 2 316SS

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
10"	10	0.844	PIPES	PIPES	120					10 IN PIPE SS ASTM A358-316 CLASS 1 SMLS BE ASME B36.10M SCH 120 (A358-316 TO HAVE MIN. CARBON CONTENT OF 0.04%)	6	M	32
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE SS ASTM A312-TP316H SMLS LENGTH 100MM BBE ASME B36.10M SCH 160	2	EA	36-42
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG SS ASTM A182-F316H ROUND HEAD THRD ASME B16.11	1	EA	36-42
10" X 3/4"	10	3/4	FITTINGS	Weldolet	120	160				10 IN X 3/4 IN WELDOLET SS ASTM A182-F316H FORGED BE MSS-SP 97 SCH 120(L) X SCH 160(S)	1	EA	36-42
3/4"	3/4		VALVE	Globe Valves	160			VLL05-J	16	3/4 IN GLOBE VALVE 1500LB BW SCH160 WELDED BONNET A182-F316H TRIM #16 Y-PATTERN REFER DATA SHEET VLL05-J	1	EA	44
3/4"	3/4		VALVE	Globe Valves	160			VLL05-M-J	16	3/4 IN GLOBE VALVE 1500LB BW X THD SCH160 WELDED BONNET A182-F316H TRIM #16 Y- PATTERN REFER DATA SHEET VLL05-M-J	1	EA	44

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Lot 3 Cr-Mo 2 1/4% CR-1% MO

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
3/4"	3/4		FITTINGS	Nipple	XXS					3/4 IN IN-LINE NIPPLE 2 1/4% CR-1% MO SMLS LENGTH 150MM PBE ASME B36.10M SCH XXS	4	EA	16-19
1" X 3/4"	1	3/4	FITTINGS	CONC SWAGE	XXS					1 IN X 3/4 IN CONC SWAGE 2 1/4% CR-1% MO SMLS PBE MSS-SP 95 SCH XXS	2	EA	16-19
1"	1	0.358	PIPES	PIPES	XXS					1 IN PIPE 2 1/4% CR-1% MO SMLS PE ASME B36.10M SCH XXS	24	M	16-19
3/4"	3/4		FITTINGS	Tee			9000			3/4 IN EQUAL TEE 2 1/4% CR-1% MO FORGED SWE ASME B16.11 CL9000	3	EA	21-31, 33-35
3/4"	3/4	0.308	PIPES	PIPES	XXS					3/4 IN PIPE 2 1/4% CR-1% MO SMLS PE ASME B36.10M SCH XXS	4	M	21-31, 33-35
1" X 3/4"	1	3/4	FITTINGS	Tee			9000			1 IN X 3/4 IN REDUCING TEE 2 1/4% CR-1% MO FORGED SWE ASME B16.11 CL9000	2	EA	36-42
1"	1		FITTINGS	Tee			9000			1 IN EQUAL TEE 2 1/4% CR-1% MO FORGED SWE ASME B16.11 CL9000	2	EA	36-42
1"	1		FITTINGS	Elbow			9000			1 IN 90 DEG ELBOW 2 1/4% CR-1% MO FORGED SWE ASME B16.11 CL9000	2	EA	36-42
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG 2 1/4% CR-1% MO ROUND HEAD THRD ASME B16.11	5	EA	36-42
3/4"	3/4		FITTINGS	Nipple	XXS					3/4 IN IN-LINE NIPPLE 2 1/4% CR-1% MO SMLS LENGTH 100MM PBE ASME B36.10M SCH XXS	4	EA	36-42
1"	1		FITTINGS	Nipple	XXS					1 IN IN-LINE NIPPLE 2 1/4% CR-1% MO SMLS LENGTH 150MM PBE ASME B36.10M SCH XXS	3	EA	36-42
10" X 3/4"	10	3/4	FITTINGS	Half Coupling			9000			10 IN X 3/4 IN HALF COUPLING 2 1/4% CR-1% MO FORGED SWE ASME B16.11 CL9000	1	EA	36-42
3/4"	3/4		FITTINGS	Nipple	XXS					3/4 IN IN-LINE NIPPLE 2 1/4% CR-1% MO SMLS LENGTH 100MM PBE ASME B36.10M SCH XXS	1	EA	36-42
3/4"	3/4		VALVE	Gate Valve				VSG05-K	5	3/4 IN GATE VALVE CL2500 SW API 602 BODY 2 1/4% CR-1% MO TRIM 5 WB STANDARD PORT REFER DATASHEET VSG05-K	5	EA	43, 45-46
3/4"	3/4		VALVE	Gate Valve				VSG06-K	5	3/4 IN GATE VALVE CL2500 SW X THRD API 602 BODY 2 1/4% CR-1% MO TRIM 5 WB STANDARD PORT REFER DATASHEET VSG06-K	5	EA	43, 45-46
3/4"	3/4		VALVE	Gate Valve				VSG05-K	5	3/4 IN GATE VALVE CL2500 SW API 602 BODY 2 1/4% CR-1% MO TRIM 5 WB STANDARD PORT REFER DATASHEET VSG05-K	5	EA	43, 45-46
1"	1		VALVE	Gate Valve				VSG05-K	5	1 IN GATE VALVE CL2500 SW API 602 BODY 2 1/4% CR-1% MO TRIM 5 WB STANDARD PORT REFER DATASHEET VSG05-K	4	EA	44
10"	10		FLANGES	BLIND FLANGES						10 IN BLIND FLANGE 2 1/4% CR-1% MO CL2500 RJ STD FIN ASME B16.5 (REV 02 item #6)	1	EA	57-58
1"	1		FLANGES	FLANGES	XXS					1 IN FLANGE WN 2 1/4% CR-1% MO CL2500 RJ STD FIN ASME B16.5 SCH XXS (REV 02 item #6)	4	EA	57-58
3/4"	3/4		FLANGES	FLANGES	XXS					3/4 IN FLANGE WN 2 1/4% CR-1% MO CL2500 RJ STD FIN ASME B16.5 SCH XXS (REV 02 item #7)	4	EA	57-58

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Lot 4 Carbon Steel

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
2"	2		VALVE	Gate Valve					8	2 IN GATE VALVE, REDUCED PORT ; API 602 ; CLASS 800 ; SOCKET WELD END ; OUTSIDE SCREW & YOKE, BOLTED BONNET ; HANDWHEEL OPERATOR ; CARBON STEEL ASTM A105 ; , , , API TRIM 8 , FLEXIBLE GRAPHITE PACKING , SOLID WEDGE	1	EA	2
3/4"	3/4		VALVE	Gate Valve			800	GUAJ801	8	3/4 IN GATE VALVE, CL800, SWXTHRD, API 602, BODY ASTM A105N, TRIM 8, STANDARD PORT, REFER DATASHEET GUAJ801	3	EA	2
3/4"	3/4		VALVE	Gate Valve			800	GUAJ802	8	3/4 IN GATE VALVE, CL800, SWXTHRD, API 602, BODY, ASTM A105N, WB, OS &Y, TRIM 8, STANDARD PORT, REFER DATASHEET GUAJ802	1	EA	2
3/4"	3/4		VALVE	Gate Valve					8	3/4 IN GATE VALVE, REDUCED PORT ; API 602 ; CLASS 800 ; FEMALE NATIONAL PIPE THREADED ; OUTSIDE SCREW & YOKE, BOLTED BONNET ; HANDWHEEL OPERATOR ; CARBON STEEL ASTM A105 ; , , , API TRIM 8 , FLEXIBLE GRAPHITE PACKING , SOLID WEDGE	1	EA	2
2"	2		VALVE	Gate Valve			1500	GSAE501	5	2 IN GATE VALVE CL1500 SW API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GSAE501	1	EA	3
2"	2		VALVE	Gate Valve					8	2 IN GATE VALVE, REDUCED PORT ; API 602 ; CLASS 800 ; FEMALE NATIONAL PIPE THREADED ; OUTSIDE SCREW & YOKE, BOLTED BONNET ; HANDWHEEL OPERATOR ; CARBON STEEL ASTM A105 ; , , , API TRIM 8 , FLEXIBLE GRAPHITE PACKING , SOLID WEDGE	1	EA	3
2"	2		VALVE	Gate Valve			1500	GSAE501	5	2 IN GATE VALVE CL1500 SW API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GSAE501	1	EA	3
3/4"	3/4		VALVE	Gate Valve			1500	GSAE501	5	3/4 IN GATE VALVE CL1500 SW API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GSAE501	1	EA	3
3/4"	3/4		VALVE	Gate Valve			1500	GUAE501	5	3/4 IN GATE VALVE CL1500 SWXTHRD API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GUAE501	3	EA	3
3/4"	3/4		VALVE	Gate Valve					8	3/4 IN GATE VALVE, REDUCED PORT ; API 602 ; CLASS 800 ; SOCKET WELDED END X FEMALE NATIONAL PIPE THREAD ; OUTSIDE SCREW & YOKE, BOLTED BONNET ; HANDWHEEL OPERATOR ; CARBON STEEL ASTM A105N ; , , , API TRIM 8 , FLEXIBLE GRAPHITE PACKING	4	EA	3
3/4"	3/4		VALVE	Gate Valve			1500	GSAE501	5	3/4 IN GATE VALVE CL1500 SW API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GSAE501	2	EA	3
3/4"	3/4		VALVE	Gate Valve			1500	GUAE501	5	3/4 IN GATE VALVE CL1500 SWXTHRD API 602 BODY ASTM A105N TRIM 5 WB STANDARD PORT REFER DATASHEET GUAE501	4	EA	3
3/4"	3/4		VALVE	Gate Valve					8	3/4 IN GATE VALVE, REDUCED PORT ; API 602 ; CLASS 800 ; SOCKET WELDED END X FEMALE NATIONAL PIPE THREAD ; OUTSIDE SCREW & YOKE, BOLTED BONNET ; HANDWHEEL OPERATOR ; CARBON STEEL ASTM A105N ; , , , API TRIM 8 , FLEXIBLE GRAPHITE PACKING	1	EA	3
3/4"	3/4		VALVE	Globe Valves			1500	VLA05-M-J	5	3/4 IN GLOBE VALVE CL1500 SW API 602 BODY ASTM A105N TRIM 5 Y PATTERN WB REFER DATASHEET VLA05-M-J	1	EA	3
3/4"	3/4		VALVE	Globe Valves			1500	VLA24-M-J	5	3/4 IN GLOBE VALVE CL1500 SW X THRD API 602 BODY ASTM A105N TRIM 5 Y PATTERN WB REFER DATASHEET VLA24-M-J	2	EA	3
10"	10		VALVE	Gate Valve			150	VGA01-M-C	8	10 IN GATE VALVE CL150 BW S-STD API 600 BODY ASTM A216-WCB BB OS &Y TRIM 8 FULL PORT REFER DATASHEET VGA01-M-C	1	EA	8

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Lot 4 Carbon Steel cont

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
14"	14		VALVE	Gate Valve			300	GFAE302	5	14 IN GATE VALVE CL300 RF API 600 BODY ASTM A216-WCB BB OS & Y TRIM 5 FULL PORT GEAR OPERATED REFER DATASHEET GFAE302	1	EA	9
12"	12		VALVE	Gate Valve	XS		300	VGA12-M-E	5	12 IN GATE VALVE CL300 BW SCH XS API 600 BODY ASTM A216 WCB TRIM 5 BB OS&Y FULL PORT REFER DATASHEET VGA12-M-E	1	EA	10
6"	6		VALVE	Gate Valve			300	GFAJ301	8	6 IN GATE VALVE,CL300,RF,API 600,BODY ASTM A216-WCB,TRIM 8,FULL PORT,REFER DATASHEET GFAJ301	1	EA	11
6"	6		VALVE	Gate Valve			1500	GGAE502	5	6 IN GATE VALVE CL1500 RJFE API 600 BODY ASTM A216-WCB TRIM 5 BB FULL PORT GO W/SIDE HANDWHEEL REFER DATASHEET GGAE502	2	EA	13
30"	30		VALVE	Gate Valve			150	VGA01-M-C	8	30 IN GATE VALVE CL150 BW S-STD API 600 BODY ASTM A216-WCB BB OS & Y TRIM 8 FULL PORT REFER DATASHEET VGA01-M-C	1	EA	14
6"	6		VALVE	Check Valves			300	CFAJ301	8	6 IN CHECK VALVE CL300 RF API 594 TYPE B BODY ASTM A216-WCB BC TRIM 8 SWING TYPE REFER DATASHEET CFAJ301	1	EA	4-5
6"	6		VALVE	Gate Valve			300	GFAE309	5	6 IN GATE VALVE,CL300,RF,API 600,BODY ASTM A216-WCB,TRIM 5,FULL PORT,REFER DATASHEET GFAE309	2	EA	4-5
8"	8		VALVE	Gate Valve	120		1500	VGA16-J	5	8 IN GATE VALVE CL1500 BW SCH 120 API 600 BODY ASTM A216 WCB TRIM 5 PSB FULL PORT GO REFER DATASHEET VGA16-J	2	EA	6-7
14" X 6"	14	6	FITTINGS	Weldolet	160					14 IN X 6 IN WELDOLET,CS,ASTM A105N,FORGED,BE,MSS-SP 97,SCH 140(L) X SCH 160(S)	1	EA	16-19
6"	6		FITTINGS	Elbow	160					6 IN 45 DEG LR ELBOW,CS,ASTM A234-WPB,SMLS,BE,ASME B16.9,SCH 160	1	EA	16-19
8"	8		FITTINGS	Elbow	120					8 IN 90 DEG LR ELBOW,CS,ASTM A234-WPB,SMLS,BE,ASME B16.9,SCH 120	1	EA	16-19
2"	2		FITTINGS	Nipple	160					2 IN IN LINE NIPPLE CS ASTM A53 GR B SMLS LENGTH 100MM THRD ASME B16.11 SCH 160 GALVANISED	2	EA	16-19
10"	10		FLANGES	BLIND FLANGES			150			10 IN BLIND FLANGE CS ASTM A105N CL150 RF STD FIN ASME B16.5	1	EA	16-19
6"	6		FLANGES	BLIND FLANGES			1500			6 IN BLIND FLANGE,CS,ASTM A105N,CL1500,RJ,STD FIN,ASME B16.5	1	EA	16-19
6"	6		FLANGES	FLANGES	160		1500			6 IN FLANGE WN,CS,ASTM A105N,CL1500,RJ,STD FIN,ASME B16.5,SCH 160	3	EA	16-19
20"	20	0.375	PIPES	PIPES	STD					20 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH STD,-	6	M	16-19
8"	8	0.719	PIPES	PIPES	120					8 IN PIPE CS ASTM A106-B SMLS BE ASME B36.10M SCH 120.	6	M	16-19
18"	18	0.625	PIPES	PIPES						18 IN PIPE CS ASTM A106 B SMLS BE ASME B36.10M 0.625" THK	3	M	16-19
10"	10		VALVE	Gate Valve	120			VGL36-M-J2	16	10 IN GATE VALVE 1500LB BW SCH120 PRESS. SEAL BONNET A351-CF8M TRIM #16 GEAR OPERATION (A351-CF8M TO HAVE MIN. CARBON CONTENT OF 0.04 %.) REFER DATA SHEET VGL36-M-J2	2	EA	20-20
6"	6	0.719	PIPES	PIPES	160					6 IN PIPE CS ASTM A106-B SMLS BE ASME B36.10M SCH 160	6	M	21-31, 33-35
10"	10	0.365	PIPES	PIPES	STD					10 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH STD,-	6	M	21-31, 33-35
14"	14	0.375	PIPES	PIPES	STD					14 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH STD,-	6	M	21-31, 33-35
6"	6	0.432	PIPES	PIPES	XS					6 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH XS,-	6	M	21-31, 33-35
1"	1	0.25	PIPES	PIPES	160					1 IN PIPE,CS,ASTM A106-B,SMLS,PE,ASME B36.10M,SCH 160	6	M	21-31, 33-35
2"	2	0.344	PIPES	PIPES	160					2 IN PIPE,CS,ASTM A106-B,SMLS,PE,ASME B36.10M,SCH 160	132	M	21-31, 33-35
30"	30	0.375	PIPES	PIPES	STD					30 IN PIPE CS ASTM A671-CC60 CLASS 22 EFW BE ASME B36.10M SCH STD	6	M	21-31, 33-35

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Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
40"	40	0.375	PIPES	PIPES	STD					40 IN PIPE CS ASTM A671-CC60 CLASS 22 EFW BE ASME B36.10M SCH STD	6	M	21-31, 33-35
50"	50	0.438	PIPES	PIPES						50 IN PIPE CS ASTM A671-CC60 CLASS 22 EFW BE ASME B36.10M 0.438" (11.13MM) WALL THICK	30	M	21-31, 33-35
30"	30	0.438	PIPES	PIPES						30 IN PIPE CS ASTM A671-CC60 CLASS 22 EFW (EJ=1.0) BE ASME B36.10M 0.438" (11.13MM) THICK	6	M	21-31, 33-35
2" X 3/4"	2	3/4	FITTINGS	Tee			6000			2 IN X 3/4 IN REDUCING TEE,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	3	EA	21-31, 33-35
12"	12		FITTINGS	Tee	XS					12 IN EQUAL TEE CS ASTM A234-WPB SMLS BE ASME B16.9 SCH XS	1	EA	21-31, 33-35
12"	12		FITTINGS	Elbow	XS					12 IN 90 DEG LR ELBOW CS ASTM A234-WPB SMLS BE ASME B16.9 SCH XS	1	EA	21-31, 33-35
3/4"	3/4		FITTINGS	Full Coupling			6000			3/4 IN FULL COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	21-31, 33-35
2" X 3/4"	2	3/4	FITTINGS	Half Coupling			6000			2 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	21-31, 33-35
10" X 3/4"	10	3/4	FITTINGS	Half Coupling			6000			10 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	21-31, 33-35
14" X 3/4"	14	3/4	FITTINGS	Half Coupling			3000			14 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,SMLS,SWE,ASME B16.11,CL3000,-	1	EA	21-31, 33-35
2"	2		FLANGES	BLIND FLANGES			1500			2 IN BLIND FLANGE,CS,ASTM A105N,CL1500,RJ,STD FIN,ASME B16.5	1	EA	21-31, 33-35
20"	20		FLANGES	FLANGES	STD		150			20 IN FLANGE WN,CS,ASTM A105N,CL150,RF,STD FIN,ASME B16.5,SCH STD,-	4	EA	21-31, 33-35
2"	2		FLANGES	FLANGES	160		1500			2 IN FLANGE SW,CS,ASTM A105N,CL1500,RJ,STD FIN,ASME B16.5,SCH 160	2	EA	21-31, 33-35
4"	4	0.237	PIPES	PIPES	STD					4 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH STD,-	6	M	21-31, 33-35
12"	12	0.5	PIPES	PIPES	XS					12 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH XS	6	M	21-31, 33-35
14"	14	1.25	PIPES	PIPES	140					14 IN PIPE,CS,ASTM A106-B,SMLS,BE,ASME B36.10M,SCH 140	11.49	M	21-31, 33-35
3/4"	3/4		PIPES	PIPES	160					3/4 IN PIPE,CS,ASTM A106-B,SMLS,PE,ASME B36.10M,SCH 160	6	M	21-31, 33-35
20" X 10"	20	10	FITTINGS	Weldolet	STD	STD				20 IN X 10 IN WELDOLET CS ASTM A105N FORGED BE MSS-SP 97 SCH STD(L) X SCH STD(S)	1	EA	36-42
18" X 12"	18	12	FITTINGS	Weldolet	XS					18 IN X 12 IN WELDOLET CS ASTM A105N FORGED BE MSS-SP 97 0.625" THK(L) X SCH XS(S)	1	EA	36-42
8" X 3/4"	8	3/4	FITTINGS	SOCKOLET			6000			8 IN X 3/4 IN SOCKOLET CS ASTM A105N FORGED SWE MSS-SP 97 CL6000	1	EA	36-42
6" X 3/4"	6	3/4	FITTINGS	SOCKOLET			3000			6 IN X 3/4 IN SOCKOLET,CS,ASTM A105N,-,SWE,MSS-SP 97,CL3000,-	1	EA	36-42
6" X 3/4"	6	3/4	FITTINGS	SOCKOLET			6000			6 IN X 3/4 IN SOCKOLET,CS,ASTM A105N,FORGED,SWE,MSS-SP 97,CL6000	1	EA	36-42
4" X 2"	4	2	FITTINGS	Threadolet			3000			4 IN X 2 IN THREDOLET CS ASTM A105N FORGED THRD MSS-SP 97 CL3000 GALVANISED	1	EA	36-42
2"	2		FITTINGS	Elbow			6000			2 IN 45 DEG LR ELBOW CS ASTM A105N SMLS SWE ASME B16.11 CL6000	2	EA	36-42
14"	14		FITTINGS	Elbow	STD					14 IN 45 DEG LR ELBOW CS ASTM A234-WPB SMLS BE ASME B16.9 SCH STD	1	EA	36-42

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Lot 4 Carbon Steel cont

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
2"	2		FITTINGS	Tee			6000			2 IN EQUAL TEE,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	3	EA	36-42
6"	6		FITTINGS	Tee	XS					6 IN EQUAL TEE CS ASTM A234-WPB SMLS BE ASME B16.9 SCH XS	2	EA	36-42
8"	8		FITTINGS	Tee	120					8 IN EQUAL TEE,CS,ASTM A234-WPB,SMLS,BE,ASME B16.9,SCH 120	1	EA	36-42
2"	2		FITTINGS	Elbow			6000			2 IN 90 DEG LR ELBOW,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	10	EA	36-42
10"	10		FITTINGS	Elbow	STD					10 IN 90 DEG LR ELBOW CS ASTM A234-WPB SMLS BE ASME B16.9 SCH STD	1	EA	36-42
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG CS ASTM A105N FORGED THRD ASME B16.11 GALVANISED	1	EA	36-42
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG CS ASTM A105N ROUND HEAD THRD ASME B16.11	13	EA	36-42
60" X 50"	60	50	FITTINGS	Reducer						60 IN X 50 IN CONC REDUCER CS ASTM A234-WPB SMLS BE ASME B16.9 11.91 MM THK (L) X 11.13 MM THK (S) ; REDUCERS SHALL BE DESIGNED AS LOW ANGLE (MAX 7DEG ANGLE FROM CENTER LINE) MINIMUM LENGTH = 1035 MM	1	EA	36-42
50" X 30"	50	30	FITTINGS	Reducer						50 IN X 30 IN CONC REDUCER CS ASTM A234-WPB SMLS BE ASME B16.9 11.13 MM THK (L) X STD (S) ; REDUCERS SHALL BE DESIGNED AS LOW ANGLE (MAX 7DEG ANGLE FROM CENTER LINE) MINIMUM LENGTH = 2095 MM	1	EA	36-42
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 75MM,PBE,ASME B36.10M,SCH 160,FABRICATE TO ASTM A733	3	EA	36-42
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 75MM,PBE,ASME B36.10M,SCH 160,-	4	EA	36-42
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 100MM,PBE,ASME B36.10M,SCH 160,-	6	EA	36-42
2"	2		FITTINGS	Nipple	160					2 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 100MM,TOEXPOE,ASME B36.10M,SCH 160,-	1	EA	36-42
2" X 3/4"	2	3/4	FITTINGS	CONC SWAGE	XS	XS				2 IN X 3/4 IN CONC SWAGE CS ASTM A234-WPB SMLS THRD MSS-SP 95 SCH XS(L) X SCH XS(S) GALVANISED	1	EA	36-42
2" X 3/4"	2	3/4	FITTINGS	CONC SWAGE	160	160				2 IN X 3/4 IN CONC SWAGE,CS,ASTM A234-WPB,SMLS,PBE,MSS-SP 95,SCH 160 (L) X SCH 160 (S).	2	EA	36-42
2" X 1"	2	1	FITTINGS	CONC SWAGE	160	160				2 IN X 1 IN CONC SWAGE,CS,ASTM A234-WPB,SMLS,PBE,MSS-SP 95,SCH 160 (L) X SCH 160 (S).	1	EA	36-42
1"	1		FITTINGS	Full Coupling			6000			1 IN FULL COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	36-42
2"	2		FITTINGS	Full Coupling			6000			2 IN FULL COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	2	EA	36-42
2"	2		FITTINGS	Full Coupling			6000			2 IN FULL COUPLING,CS,ASTM A105N,SMLS,SWE,ASME B16.11,CL6000,-	2	EA	36-42
6" X 3/4"	6	3/4	FITTINGS	Half Coupling			6000			6 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	36-42
8" X 3/4"	8	3/4	FITTINGS	Half Coupling			6000			8 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	36-42
12" X 3/4"	12	3/4	FITTINGS	Half Coupling			6000			12 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	2	EA	36-42
30" X 3/4"	30	3/4	FITTINGS	Half Coupling			6000			30 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,FORGED,SWE,ASME B16.11,CL6000	1	EA	36-42

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Lot 4 Carbon Steel cont

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
6" X 3/4"	6	3/4	FITTINGS	Half Coupling			3000			6 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,SMLS,SWE,ASME B16.11,CL3000,-	2	EA	36-42
12" X 3/4"	12	3/4	FITTINGS	Half Coupling			3000			12 IN X 3/4 IN HALF COUPLING,CS,ASTM A105N,SMLS,SWE,ASME B16.11,CL3000,-	1	EA	36-42
30"	30		FLANGES	BLIND FLANGES			150			30 IN BLIND FLANGE CS ASTM A105N CL150 RF STD FIN ASME B16.47 SERIES B.	1	EA	36-42
6"	6		FLANGES	BLIND FLANGES			300			6 IN BLIND FLANGE,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,-,-	2	EA	36-42
12"	12		FLANGES	BLIND FLANGES			300			12 IN BLIND FLANGE,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,-,-	1	EA	36-42
14"	14		FLANGES	BLIND FLANGES			300			14 IN BLIND FLANGE,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,-,-	1	EA	36-42
8"	8		FLANGES	BLIND FLANGES			1500			8 IN BLIND FLANGE CS ASTM A105N CL1500 RF STD FIN ASME B16.5	1	EA	36-42
2"	2		FLANGES	FLANGES	XS		150			2 IN FLANGE THRD CS ASTM A105N CL150 RF STD FIN ASME B16.5 SCH XS GALVANISED	2	EA	36-42
10"	10		FLANGES	FLANGES	STD		150			10 IN FLANGE WN,CS,ASTM A105N,CL150,RF,STD FIN,ASME B16.5,SCH STD,-	1	EA	36-42
30"	30		FLANGES	FLANGES	STD		150			30 IN FLANGE WN CS ASTM A105N CL150 RF STD FIN ASME B16.47 SERIES B SCH STD.	1	EA	36-42
14"	14		FLANGES	FLANGES	STD		300			14 IN FLANGE WN,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,SCH STD,-	1	EA	36-42
6"	6		FLANGES	FLANGES	XS		300			6 IN FLANGE WN,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,SCH XS,-	5	EA	36-42
12"	12		FLANGES	FLANGES	XS		300			12 IN FLANGE WN,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,SCH XS,-	1	EA	36-42
8"	8		FLANGES	FLANGES	120		1500			8 IN FLANGE WN CS ASTM A105N CL1500 RF STD FIN ASME B16.5 SCH 120	1	EA	36-42
2"	2		FLANGES	FLANGES	160		300			2 IN FLANGE SW,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,SCH 160,-	2	EA	36-42
1"	1		FLANGES	FLANGES	160					1 IN FLANGE SW, WN, CS,ASTM A105N,CL2500,RJ,STD FIN,ASME B16.5,SCH 160	1	EA	36-42
3/4"	3/4		FITTINGS	PLUG						3/4 IN PLUG CS ASTM A105N ROUND HEAD THRD ASME B16.11	5	EA	36-42
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 75MM,PBE,ASME B36.10M,SCH 160,FABRICATE TO ASTM A733	1	EA	36-42
3/4"	3/4		FITTINGS	Nipple	160					3/4 IN IN-LINE NIPPLE,CS,ASTM A106-B,SMLS,LENGTH 100MM,PBE,ASME B36.10M,SCH 160,-	5	EA	36-42
12"	12		FLANGES	BLIND FLANGES			300			12 IN BLIND FLANGE,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,-,-	1	EA	36-42
12"	12		FLANGES	FLANGES	XS		300			12 IN FLANGE WN,CS,ASTM A105N,CL300,RF,STD FIN,ASME B16.5,SCH XS,-	1	EA	36-42
40"	40		FITTINGS	Elbow	STD					40 IN 90 DEG LR ELBOW CS ASTM A234 WPBW BE ASME B16.9 SCH STD	1	EA	47-51
50"	50		FLANGES	FLANGES			150			50 IN FLANGE WN CS ASTM A105N CL150 RF STD FIN ASME B16.47 SERIES B 0.438" (11.13MM) WALL THICK	6	EA	47-51
60"	60		FLANGES	FLANGES			150			60 IN FLANGE WN CS ASTM A105N CL150 RF STD FIN ASME B16.47 SERIES B 0.469" (11.91MM) WALL THICK	2	EA	47-51

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Lot 4 Carbon Steel cont

Sizes	Size 1 (IN)	Size 2 (IN)	Category 1	Category 2	Sch 1	Sch 2	Flange Rating	Valve Spec	Valve Trim	Description	QTY	UOM	Crate
30"	30		FLANGES	FLANGES			300			30 IN FLANGE WN CS ASTM A105N CL300 RF STD FIN ASME B16.47 SERIES B 0.438" (11.13MM) WALL THICK.	2	EA	47-51
3/4"	3/4		FLANGES	FLANGES	160					3/4 IN FLANGE WN,CS,ASTM A105N,CL2500,RJ,STD FIN,ASME B16.5,SCH 160	2	EA	47-51
12"	12		VALVE	Gate Valve				VGA11-M	8	12 IN GATE VALVE CLASS 300 BW S-XS API 600 BODY ASTM A216 WCB BB OS &Y TRIM 8 FULL PORT GO REFER DATASHEET VGA11-M	1	EA	55-55

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