

FMC Integral Fittings

- New lightweight designs
- Forged construction with full traceability
- Integral Weco® wing union end connections
- Unlimited plug valve manifold designs



FMC

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Now there's a new Lightweight Fittings family that is ideal for handling a complete range of well servicing fluids at cold working pressures to 20,000 psi. Available in 1- to 4-inch sizes, FMC fittings feature high-quality forged construction with integral Weco wing union end connections for a high-strength, high-integrity connection every time. Tees, elbows, crosses, wyes, and laterals can be











combined to suit virtually any installation. Like other FMC flowline products, FMC's Integral Fittings come with full material traceability and can be supplied with Charpy impact values.











Plug Valve Manifolds

FMC Integral Fittings can be used in combination with FMC Plug Valves to create

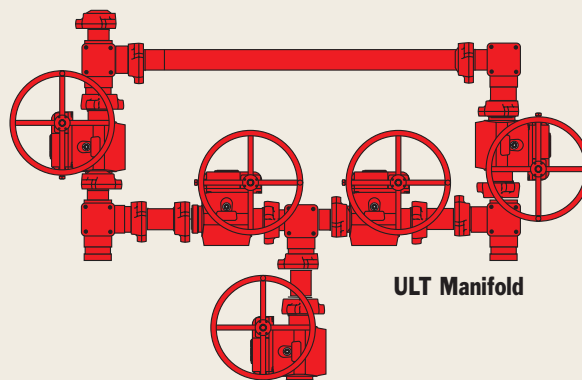
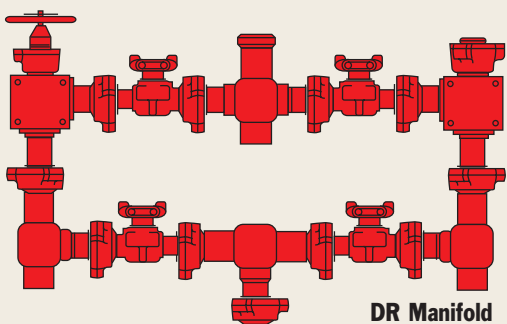
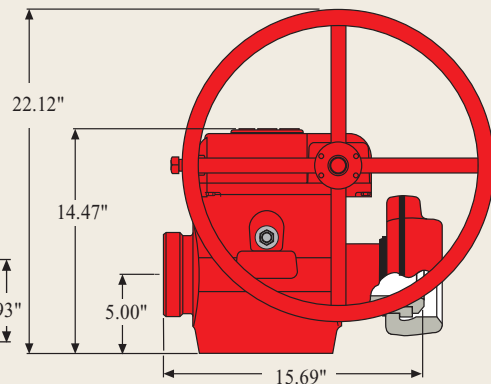
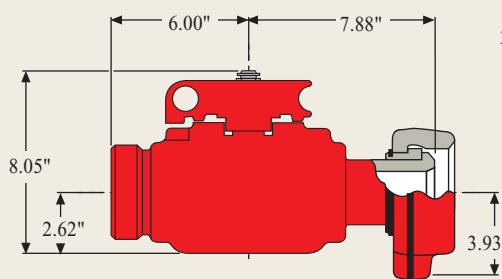
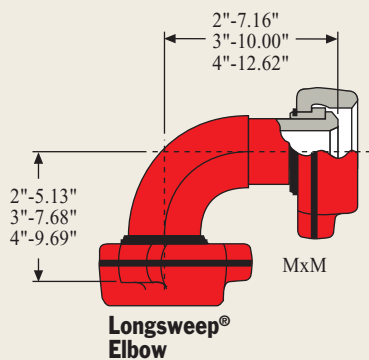
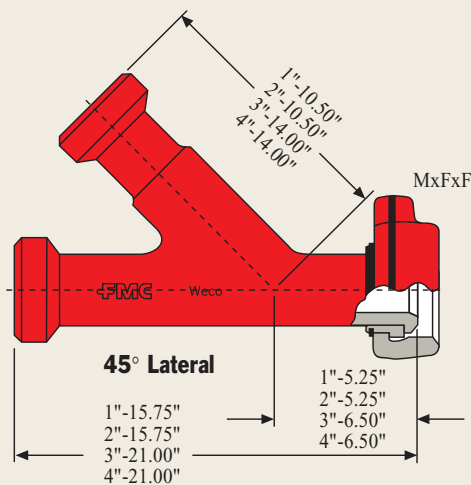
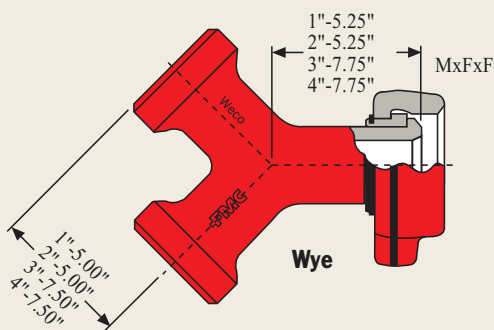
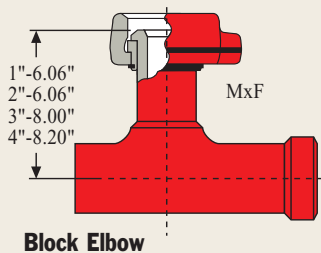
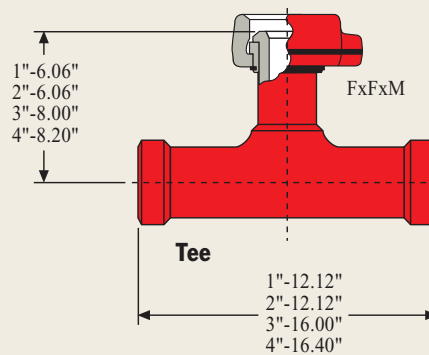
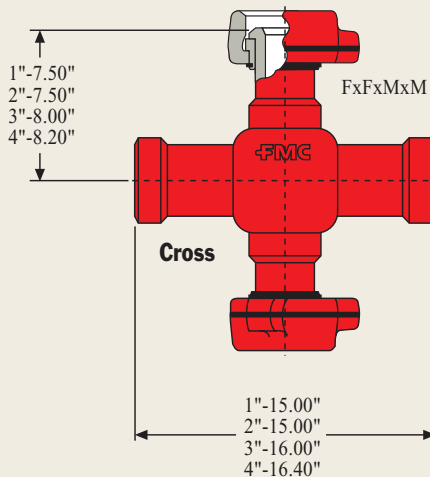
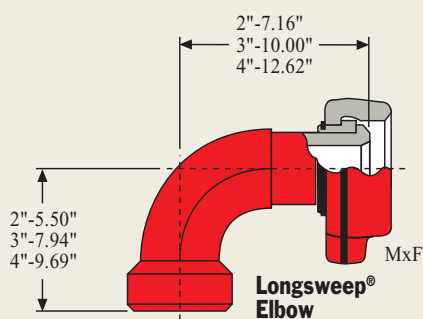
manifolds for choke-and-kill, well testing, squeeze, flow back, and cementing applications. Unlimited manifold designs using FMC's advanced ULT and world proven DR Plug Valves can be easily constructed. Because FMC's new line of integral fittings are lighter and smaller, you save valuable weight and space regardless of manifold design.

FMC Fittings Quick Reference Chart with Approximate Weights

Integral Fitting Sizes	Weco Wing Union Figure No.	Longsweep Elbow		Block Elbows								Tees									
																					
		F x M	lb.	F x M	lb.	M x M	lb.	F x F	lb.	F x F x F	lb.	F x F x M	lb.	F x M x F	lb.	F x M x M	lb.	M x M x F	lb.	M x M x M	lb.
1-inch	1502	-	-	P506048	CF	P506053	CF	P506061	CF	P506069	CF	P506076	CF	P506083	CF	P506087	CF	P506093	CF-	P506100	CF
1½-inch	1502	-	-	P506049	32	P506054	44	P506062	29	P506070	31	P506077	40	P505457	40	P506088	48	P506094	48	P506101	57
2-inch	602	3262554	22	P506050	27	P506055	33	P506063	22	P506071	29	P506078	33	P506084	33	P506089	38	P506095	38	P506102	42
	1502	3260403	28	P503846	30	P506056	42	P506064	27	P503842	29	P503850	38	P503840	38	P503848	46	P505362	46	P505364	54
	2002	CF	CF	P506051	CF	P506057	CF	P506065	CF	P506072	30	P506080	42	P505584	42	P506090	54	P506096	54	P506103	66
3-inch	602	3259683	54	3267335	101	P506058	105	P506066	97	P506073	118	P506081	107	P506085	107	P506091	117	P506097	117	P506104	121
	1502	3259845	51	3265950	102	P506059	106	P506067	99	3268575	118	3263821	111	3262298	111	3265538	125	3265947	125	3268629	132
4-inch	602	P506172	86	P506052	CF	P506060	CF	P506068	CF	P506075	98	P506082	110	P506086	110	P506092	126	P506098	126	P506105	143
	1002	3261102	89	3268033	CF	3268115	CF	3268113	CF	P500631	99	P500633	114	3268031	114	P500632	134	P500699	134	P506106	154

Integral Fitting Sizes	Weco Wing Union Figure No.	Longsweep Elbow		Crosses								Laterals				Wyes					
																					
		M x M	lb.	FxFxFxF	lb.	FxFxMxF	lb.	FxFxMxM	lb.	FxMxMxF	lb.	FxMxMxM	lb.	MxMxMxM	lb.	M x F x F	lb.	F x F x F	lb.	M x F x F	lb.
1-inch	1502	-	-	P506107	CF	P506113	CF	P506118	CF	P506129	CF	P506137	CF	P506146	CF	P506154	CF	P506160	CF	P506164	CF
1½-inch	1502	-	-	P503531	70	3269120	76	P506119	CF	P506130	CF	P506138	CF	P506147	CF	P505434	62	-	-	P506166	CF
2-inch	602	P506171	27	P506108	58	P506114	62	3262655	52	P506131	52	P506139	68	P506148	71	P506155	50	-	-	3262652	28
	1502	3261768	34	3257972	59	3257973	66	3258450	73	3258451	73	3257976	80	3257975	87	3261420	54	-	-	3208846	27
	2002	CF	CF	3267282	CF	P506115	CF	P506120	CF	P506132	CF	P506140	CF	P506149	CF	P506156	CF	-	-	3254106	28
3-inch	602	P506174	CF	P506109	164	P506116	174	P506121	185	P506133	185	P506141	195	P506150	206	P501957	142	P502133	107	P506167	83
	1502	P506175	CF	P506110	164	3262415	178	P506122	192	P506134	192	P506142	206	P506151	220	3266805	150	P506161	110	3268701	94
4-inch	602	P506176	CF	P506111	142	P504791	157	P506123	172	P506135	172	P506144	187	P506152	202	P506158	118	P506162	111	P506168	80
	1002	P506177	CF	P506112	145	P506117	161	P506124	181	P506136	181	P506145	200	P506153	217	P506159	124	P506163	104	P506169	84

Integral Fittings and Plug Valve Dimensional Data



The amount of wing union engagement for 2" and 3" 1502 connections is .346" and .377" respectively. This overlap dimension must be considered when determining end-to-end lengths or centerline lengths of connected fittings.

All dimensions are for reference only. End-to-end dimensions are from male sub end to female sub end.

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