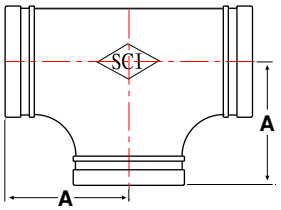
Standard Radius Grooved Fittings

Fig. 65T & 66T
Tee, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 12" only

c UL us LISTED

FM APPROVED



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65T 3012	66T 3012	2.75 *69.9*	35	1.4 *0.7*
1-1/2 *40*	65T 3014	66T 3014	2.75 *69.9*	24	1.7 *0.8*
2 *50*	65T 3020	66T 3020	3.25 *82.6*	15	3.1 *1.4*
2-1/2 *65*	65T 3024	66T 3024	3.75 *95.3*	7	4.1 *1.9*
3 *80*	65T 3030	66T 3030	4.25 *108.0*	10	5.8 *2.6*
4 *100*	65T 3040	66T 3040	5.00 *127.0*	5	10.0 *4.5*
5 *125*	65T 3050	66T 3050	5.50 *139.7*	-	15.0 *6.8*
6 *150*	65T 3060	66T 3060	6.50 *165.1*	-	22.3 *10.1*
8 *200*	65T 3080	66T 3080	7.75 *196.9*	-	41.1 *18.6*
10 *250*	65T 3100	66T 3100	9.00 *229.0*	-	64.8 *29.4*
12 *300*	65T 3120	66T 3120	10.00 *254.0*	-	90.9 *41.2*
14 *350*	65T 3140	66T 3140	11.00 *279.0*	-	116.8 *53.0*
16 *400*	65T 3160	66T 3160	12.00 *305.0*	-	145.0 *65.9*

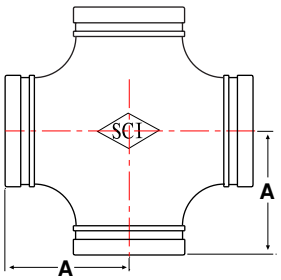
18" through 24" sizes available upon request.

Fig. 65X & 66X
Cross, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 8" only

c UL us LISTED

FM APPROVED



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65X 3012	66X 3012	2.75 *69.9*	20	1.8 *0.8*
1-1/2 *40*	65X 3014	66X 3014	2.75 *69.9*	16	2.0 *0.9*
2 *50*	65X 3020	66X 3020	3.25 *82.6*	20	3.3 *1.5*
2-1/2 *65*	65X 3024	66X 3024	3.75 *95.3*	10	4.9 *2.2*
3 *80*	65X 3030	66X 3030	4.25 *108.0*	7	7.3 *3.3*
4 *100*	65X 3040	66X 3040	5.00 *127.0*	4	10.0 *4.5*
5 *125*	65X 3050	66X 3050	5.50 *139.7*	-	15.3 *6.9*
6 *150*	65X 3060	66X 3060	6.50 *165.1*	-	24.6 *11.1*
8 *200*	65X 3080	66X 3080	7.75 *196.9*	-	41.6 *18.9*

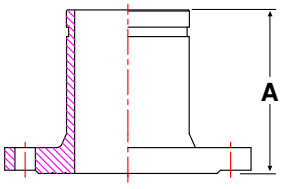
10" through 24" sizes available upon request.

Fig. 65FA & 66FA
Grooved x Flange Adapter

- Ductile Iron
- UL/FM – 2" to 8" only
- Matches Class 125/150 flange dimensions

c UL us LISTED

FM APPROVED



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65FA3020	66FA3020	4.00 *101.6*	8	4.0 *1.8*
2-1/2 *65*	65FA3024	66FA3024	4.00 *101.6*	5	5.4 *2.5*
3 *80*	65FA3030	66FA3030	4.00 *101.6*	4	6.4 *2.9*
4 *100*	65FA3040	66FA3040	6.00 *152.4*	-	12.7 *5.8*
6 *150*	65FA3060	66FA3060	6.00 *152.4*	-	19.0 *8.6*
8 *200*	65FA3080	66FA3080	6.00 *152.4*	-	28.8 *13.1*
10 *250*	65FA3100F	66FA3100F	8.00 *203.2*	-	66.0 *30.0*
12 *300*	65FA3120F	66FA3120F	10.00 *254.0*	-	97.0 *44.1*

5" & 14" through 24" sizes available upon request.

Maximum Working Pressures (psi)

Pipe Size Nominal Dia. (in)	Std. Weight Couplings	Lightweight Couplings	HP Couplings 65HP/65HP-ES	Reducing Couplings	Flange Adapters	Standard Radius Fittings	Short Radius Fittings	Drain 90's & Caps	Mech & Strap Tees	Fabricated Fittings
1	1000					1000				300
1-1/4	1000	500				1000	300		300	300
1-1/2	1000	500		300		1000	300		300	300
2	1000	500	1000/2500	300	300	1000	300	300	300	300
2-1/2	1000	500		300	300	1000	300	300	300	300
3	1000	500	1000/2500	300	300	1000	300	300	300	300
4	1000	500	1000/2500	300	300	1000	300	300	300	300
5	1000	500		300	300	1000	300	300	300	300
6	1000	500	1000/2500	300	300	1000	300	300	300	300
8	800	500		300	300	800	300	300	300	300
10	600				300	600				300
12	600				300	600				300
14	300					300				300
16	300					300				300
18	300									300
20	300									300
24	250									250

NOTES: Pressure ratings and end loads for steel pipe are based upon tests performed on pipe prepared to COOPLOK™ Grooved "Standard Roll Groove and Cut Groove Specifications" (see Page 44-46). The maximum working pressure is the maximum line pressure to which a joint should be subjected (including line surge) using a nominal safety factor of 3.

End Loads For Grooved Couplings (lbs)

			65/66LR 65/66LF	65/66SR 65/66SR	65HP	65HP-ES
Pipe Size	Pipe ID	Pipe ID	Max. End Load	Max. End Load	Max. End Load	Max. End Load
Nominal Dia. (in)	(in)	(area)	(lbs)	(lbs)	(lbs)	(lbs)
1	1.049	0.864		864		
1-1/4	1.38	1.496	748	1496		
1-1/2	1.61	2.036	1018	2036		
2	2.06	3.333	1666	3333	2500	8332
2-1/2	2.47	4.792	2396	4792		
3	3.07	7.402	3701	7402	2500	18506
4	4.03	12.756	6378	12756	2500	31889
5	5.05	20.030	10015	20030		
6	6.06	28.843	14421	28843	2000	40059
8	8.00	50.266	25133	40212		
10	10.00	78.540		47124		
12	12.00	113.098		67859		
14	13.25	137.887		41366		
16	15.25	182.655		54796		
18	17.25	233.706		70112		
20	19.00	283.529		85059		
24	23.00	415.477		103869		

Maximum end loads are based on all internal and external forces to which a joint should be subjected based on piping system where couplings are being used.