



INVENTOR
FULL WORKING DRAWING
FULL-STRENGTH WELDS

18-49 CONNECTING LINK

TABLE 18-5 Rule-of-thumb fillet weld sizes where the strength of the weld matches the plate.

Dimensions in Inches				Dimensions in Millimeters			
Plate Thickness	Strength Design	Rigidity Design		Plate Thickness	Strength Design	Rigidity Design	
	Full-strength Weld	50% of Full-strength Weld	33% of Full-strength Weld		Full-strength Weld	50% of Full-strength Weld	33% of Full-strength Weld
Up to .25	.12	.12	.12	Up to 6	3	3	3
.25	.19	.19	.19	6	5	5	5
.31	.25	.19	.19	8	6	5	5
.38	.31	.19	.19	10	8	5	5
.44	.38	.19	.19	11	10	5	5
.50	.38	.19	.19	12	10	5	5
.56	.44	.25	.25	14	11	6	6
.62	.50	.25	.25	16	12	6	6
.75	.56	.31	.25	20	14	8	6
.88	.62	.38	.31	22	16	10	8
1.00	.62	.38	.31	25	16	10	8
1.12	.88	.44	.31	28	22	11	8
1.25	1.00	.50	.31	32	25	12	8
1.38	1.00	.50	.38	35	25	12	10
1.50	1.12	.56	.38	38	28	14	10