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Oblong Tonnage Chart For Mild Steel

Oblong Tonnage Formula: {(.63 x Z) + Width} x Material Thickness x 102 = Tonnage Required (Z = Length - Width)

Hole Diameter		1/4" x 1/2" .125 x .500	9/32" x 9/16" .281 x .562	5/16" x 5/8" .313 x .625	11/32" x 11/16" .344 x .688	3/8" x 3/4" .375 x .750	13/32" x 13/16" .406 x .813	7/16" x 7/8" .438 x .875	15/32" x 15/16" .469 x .938	1/2" x 1" .500. x 1.000	17/32" x 1-1/16" .531 x 1.063	9/16" x 1-1/8" .563 x 1.125	19/32" x 1-3/16" .594 x 1.188	5/8" x 1-1/4" .625 x 1.250	21/32" x 1-5/16" .656 x 1.313	11/16" x 1-3/8" .688 x 1.375	23/32" x 1-7/16" 0.719 x 1.438
Metal Gauge	Thickness Inches	PRESSURE IN TONS															
16	0.060	3.0	3.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	7.0	7.0	7.0	8.0
12	0.105	5.0	5.0	6.0	7.0	7.0	8.0	8.0	9.0	9.0	10.0	10.0	11.0	11.0	12.0	13.0	13.0
1/8"	0.120	6.0	6.0	7.0	8.0	8.0	9.0	10.0	10.0	11.0	12.0	12.0	13.0	13.0	14.0	15.0	15.0
3/16"	0.188	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0
1/4"	0.250	11.0	12.0	13.0	15.0	16.0	17.0	19.0	20.0	21.0	23.0	24.0	25.0	26.0	28.0	29.0	30.0
3/8"	0.375	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	39.0	41.0	43.0	45.0
1/2"	0.500	21.0	24.0	26.0	29.0	32.0	34.0	37.0	39.0	42.0	45.0	47.0	50.0	52.0	55.0	58.0	60.0