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US Metric Chart A449/A325
1/2"-1" 92 KSI Yield 120 KSI Tensile
1 1/8"- 1 1/2" 81 KSI Yield 105 KSI Tensile
1 3/4"-3" 58 KSI Yield 90 KSI Tensile

Anchor Diameter in. (mm)	Drill Diameter in. (mm)	Tensile Stress Area	Embed Depth in. (mm)	Yield lb (kn)	Tensile lb. (kn)	Shear lb. (kn)
1/2 (12.7)	5/8 (15.9)	0.142	5 (127)	13060 (58.1)	17060 (75.8)	8530 (38)
5/8 (15.9)	3/4 (19.1)	0.226	7 (178)	20790 (92.5)	27120 (120.6)	13600 (60.5)
3/4 (19.1)	7/8 (22.2)	0.334	7 1/2 (190)	30730 (136.7)	40080 (178.2)	20040 (89.14)
7/8 (22.2)	1 (25.4)	0.462	8 1/2 (216)	42400 (188.6)	55440 (246.6)	27720 (123.3)
1 (25.4)	1 1/8 (28.6)	0.606	9 1/2 (241)	55750 (247.1)	72720 (323.5)	36360 (161.7)
1 1/8 (28.6)	1 1/4 (31.8)	0.763	11 1/2 (292.6)	61800 (274.9)	80120 (356.3)	40060 (178.1)
1 1/4 (31.8)	1 3/8 (34.9)	0.969	14 (356)	78490 (349.1)	101700 (452.34)	50850 (226.1)
1 3/8 (34.9)	1 1/2 (38.1)	1.155	17 (432)	93560 (416.1)	121300 (539.5)	60650 (269.8)
1 1/2 (38.1)	1 3/4 (44.4)	1.405	21 (533)	113880 (506.6)	147500 (656.1)	73750 (328)
1 3/4 (44.4)	2 (50.8)	1.900	24 (610)	110200 (490.2)	171000 (760.6)	85500 (380.3)
2 (50.8)	2 1/4 (57.2)	2.500	26 (660)	145000 (645)	225000 (1000.8)	112500 (500.4)
2 1/4 (57.2)	2 1/2 (63.5)	3.250	30 (762)	188500 (838)	292500 (1300)	146250 (651)
2 1/2 (63.5)	2 3/4 (69.9)	4.000	34 (864)	232000 (1032.8)	360000 (1615.8)	180000 (800.7)
2 3/4 (69.9)	3 (76.2)	4.930	40 (1016)	285940 (1270)	443700 (1970)	221850 (987)
3 (76.2)	3 1/4 (82.5)	5.970	50 (1220)	346300 (1540.4)	537300 (2390)	268650 (1195)

Steel Strength A449/A325

Yield = $F_y \times$ Tensile Stress Area

Tensile = $F_t \times$ Tensile Stress Area

Shear = $.50 \times$ Ultimate Steel Strength

Based on 3500 psi or greater compressive strength concrete 28 days old.

All values based on properly installed Keligrout/Keligrout 101-p per Technical Data Sheets