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**US Metric Chart ASTM F1554 Grade 55  
 55 KSI Yield 75 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	4 1/4 (108)	7810 (34.79)	10650 (47.43)	5325 (23.72)
5/8 (15.9)	3/4 (19.1)	0.226	6 (152)	12430 (55.37)	16950 (75.48)	8475 (37.74)
3/4 (19.1)	7/8 (22.2)	0.334	6 1/2 (165)	18370 (81.83)	25050 (111.56)	12525 (55.78)
7/8 (22.2)	1 (25.4)	0.462	7 1/2 (169)	25410 (113.19)	34650 (154.31)	17325 (77.16)
1 (25.4)	1 1/8 (28.6)	0.606	8 1/2 (216)	33330 (148.47)	45450 (202.40)	22725 (101.20)
1 1/8 (28.6)	1 1/4 (31.8)	0.763	10 (245)	41965 (186.94)	57225 (254.84)	28612 (127.42)
1 1/4 (31.8)	1 3/8 (34.9)	0.969	12 (205)	53295 (237.41)	72675 (323.65)	36337 (161.83)
1 3/8 (34.9)	1 1/2 (38.1)	1.155	15 (381)	63525 (282.98)	86625 (385.77)	43312 (192.89)
1 1/2 (38.1)	1 3/4 (44.4)	1.405	18 (457)	77275 (344.23)	105375 (469.27)	52687 (234.64)
1 3/4 (44.4)	2 (50.8)	1.900	20 (508)	104500 (465.50)	142500 (634.60)	71250 (317.30)
2 (50.8)	2 1/4 (57.2)	2.500	22 (559)	137500 (612.50)	187500 (835.00)	93750 (417.50)
2 1/4 (57.2)	2 1/2 (63.5)	3.250	26 (660)	178750 (796.25)	243750 (1085.50)	121875 (542.75)
2 1/2 (63.5)	2 3/4 (69.9)	4.000	30 (762)	220000 (980.00)	300000 (1336.00)	150000 (668.00)
2 3/4 (69.9)	3 (76.2)	4.930	34 (864)	271150 (1207.85)	369750 (1646.62)	184875 (823.31)
3 (76.2)	3 1/4 (82.5)	5.970	40 (1016)	328350 (1462.65)	447750 (1993.98)	223875 (997.00)

Steel Strength ASTM F1554 Grade 55  
 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