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**US Metric Chart ASTM-A276 SS 316  
 35 KSI Yield 80 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)	4970 (22.2)	11360 (50.6)	5680 (25.3)
5/8 (15.9)	3/4 (19.1)	0.226	6 (152)	7910 (35.3)	18080 (80.5)	9040 (40.2)
3/4 (19.1)	7/8 (22.2)	0.334	6 1/2 (165)	11690 (52.1)	26720 (85.5)	13360 (42.7)
7/8 (22.2)	1 (25.4)	0.462	7 1/2 (169)	16170 (72.1)	36960 (164.5)	18480 (82.2)
1 (25.4)	1 1/8 (28.6)	0.606	8 1/2 (216)	16170 (94.5)	48480 (215.7)	24240 (107.9)
1 1/8 (28.6)	1 1/4 (31.8)	0.763	10 (245)	26705 (119.0)	61040 (271.6)	30520 (135.8)
1 1/4 (31.8)	1 3/8 (34.9)	0.969	12 (205)	33915 (151.2)	77520 (345.0)	38760 (172.5)
1 3/8 (34.9)	1 1/2 (38.1)	1.155	15 (381)	40425 (180.2)	92400 (635.3)	46200 (317.7)
1 1/2 (38.1)	1 3/4 (44.4)	1.405	18 (457)	49175 (219.2)	112400 (500.2)	56200 (250.1)
1 3/4 (44.4)	2 (50.8)	1.900	20 (508)	66500 (296.4)	152000 (676.4)	76000 (338.2)
2 (50.8)	2 1/4 (57.2)	2.500	22 (559)	87500 (390.0)	200000 (890.0)	100000 (445.0)
2 1/4 (57.2)	2 1/2 (63.5)	3.250	26 (660)	113750 (507.0)	260000 (1157.0)	130000 (578.5)
2 1/2 (63.5)	2 3/4 (69.9)	4.000	30 (762)	140000 (624.0)	320000 (1424.0)	160000 (712.0)
2 3/4 (69.9)	3 (76.2)	4.930	34 (864)	172550 (769.1)	394400 (1755.1)	197200 (877.5)
3 (76.2)	3 1/4 (82.5)	5.970	40 (1016)	208950 (1087.3)	477600 (2125.3)	238800 (1062.7)

Steel Strength ASTM A276-316 SS Annealed  
 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