

### Bolt Shear Capacity Metric\*

Size	Class 4.6		Class 8.8			Class 10.9	
	Shank (1)	Thread (2)	Shank (1)	Thread (2)		Shank (1)	Thread (2)
		Coarse		Coarse	Fine		Coarse
M 6	7	4	14	9		18	12
M 8	13	8	25	16	19	33	21
M 10	20	13	39	26	30	51	34
M 12	28	19	57	38	45	74	50
M 14	38	29	79	59	62	99	74
M 16	50	36	101	72	83	131	94
M 18	63	48	131	99	110	164	124
M 20	79	56	163	117	140	204	146
M 22	94	75	196	160	171	245	195
M 24	113	81	235	168	197	294	211
M 27	142	114	295	236		369	296
M 30	177	130	368	270		459	337
M 33	212	172	440	357		552	447
M 36	254	190	529	395		662	293
M 39	296	242	615	502		770	629

*Shank (1)* shear capacity of the unthreaded section (plain shank) of the fastener.

*Thread (2)* shear capacity of the threaded section of the fastener.

**Notes**

– all shear capacity values are given in kilo-Newtons (kN)

– all values represent the minimum breaking load in 'single' shear.

**\*This table is recommended for use as a guide only. While all care has been taken with its preparation, no responsibility is accepted for the absolute accuracy of the data provided.**