

## CARACTERÍSTICAS MECÂNICAS

Parafuso Série Métrica - ISO 898-1						
Classe	Diam. de referência	Resist. mín. à tração KGF/mm <sup>2</sup>	Tensão mín. de escoam. KGF/mm <sup>2</sup>	Alongam. %	Estricção %	Dureza
5.8	-	53,0	42,0	15	50	82-95 HRB
8.8	D ≤ 16	81,5	65,3	12	52	22-32 HRC
	D > 16	84,6	66,0	11	52	23-34 HRC
10.9	-	106,2	95,5	9	48	32-39 HRC
12.9	-	124,9	112,2	8	44	39-44 HRC

## TORQUE ADMISSÍVEL

Parafuso Série Métrica - ISO 898-1						
Torque Admissível (Nm)						
DN X PASSO	CL. 4.8	CL. 5.8	CL. 8.8	CL. 9.8	CL. 10.9	CL. 12.9
M-3 X 0,5	0,7	0,9	1,4	1,6	2,0	2,3
M-3,5 X 0,6	1,1	1,4	2,1	2,4	3,0	3,6
M-4 X 0,7	1,7	2,1	3,2	3,6	4,6	5,3
M-5 X 0,8	3,3	4,1	6,2	6,9	8,9	10,4
M-6 X 1,0	5,7	7,0	10,6	12,0	15,3	17,9
M-8 X 1,0	14,5	17,7	27,0	30,3	38,6	45,2
M-8 X 1,25	13,8	16,8	25,6	28,8	36,8	42,9
M-10 X 1,0	29,5	36,2	55,3	61,9	79,0	92,6
M-10 X 1,25	28,5	34,9	53,2	59,7	76,1	89,0
M-10 X 1,5	27,4	33,5	51,2	57,3	73,1	85,6
M-12 X 1,25	50,0	61,0	93,0	105,0	133,0	156,0
M-12 X 1,5	48,0	59,0	90,0	101,0	129,0	151,2
M-12 X 1,75	47,0	57,0	88,0	98,0	125,0	146,5
M-14 X 1,5	79,0	96,0	147,0	165,0	211,0	245,7
M-14 X 2,0	74,0	91,0	138,0	155,0	198,0	232,3
M-16 X 1,5	117,0	144,0	220,0	247,0	315,0	367,0
M-16 X 2,0	112,0	138,0	210,0	235,0	300,0	350,9
M-18 X 1,5	170,0	209,0	330,0	-	455,0	533,6
M-18 X 2,5	156,0	192,0	302,0	-	418,0	488,7
M-20 X 1,5	236,0	289,0	457,0	-	633,0	739,9
M-20 X 2,5	220,0	269,0	425,0	-	586,0	687,6
M-22 X 1,5	318,0	390,0	618,0	-	853,0	998,7
M-22 X 2,5	298,0	365,0	578,0	-	801,0	934,4
M-24 X 2,0	401,0	492,0	775,0	-	1075,0	1253,5
M-24 X 3,0	377,0	463,0	733,0	-	1013,0	1181,9
M-27 X 2,0	586,0	715,0	1133,0	-	1567,0	1829,4
M-27 X 3,0	552,0	677,0	1070,0	-	1482,0	1730,9
M-30 X 2,0	808,0	994,0	1570,0	-	2168,0	2534,3
M-30 X 3,5	755,0	924,0	1462,0	-	2022,0	2360,6
M-33 X 2,0	1083,0	1326,0	2097,0	-	2900,0	3386,7
M-33 X 3,5	1014,0	1246,0	1963,0	-	2718,0	3175,5
M-36 X 3,0	1362,0	1672,0	2637,0	-	3649,0	4263,6
M-36 X 4,0	1308,0	1602,0	2532,0	-	3504,0	4093-1
M-39 X 3,0	1751,0	2146,0	3392,0	-	4692,0	5482,7
M-39 X 4,0	1689,0	2068,0	3267,0	-	4515,0	5279,0