

PAGATTI

Fasteners and nuts strength class with full load values SIST EN 20898-1

Property class	Material and Heat treatment	Tensile strength Rm [N/mm ²]		Nominal stress Re oz. [N/mm ²]		Elongation [%]	Property class of nut
		nom. min.		nom. min.			
3.6	Structural steel C<0.20%	300	330	180	190	25	3
4.6	Structural steel C:::0.55%	400	400	240	240	22	4
4.8			420	320	340	14	
5.6	Structural steel C:::0.55%	500	500	300	300	20	5
5.8			520	400	420	10	
6.8			600	600	480	480	
8.8	Structural steel C:::0.40% or C:::0.55%, QT and hardened	800	800 ¹⁾	640	640 ¹⁾	12	8
9.8 ¹⁾			830 ¹⁾		660 ¹⁾		
9.8 ¹⁾		900	900	720	720	10	9
10.9	Structural steel C:::0.55% and additions, alloy steel, QT hardened	1000	1040	900	940	9	10
12.9.	Alloy steel, QT and hardened	1200	1220	1080	1100	8	12

¹⁾ $d < 16 \text{ mm}$ ¹⁾ $d > 16 \text{ mm}$ or $d > 12 \text{ mm}$ for fasteners for steel constructions

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Recommended drill diameter for holes before tapping thread

Thread range	Drill diameter mm	Thread range	Drill diameter mm	Thread range	Drill diameter mm	Thread range	Drill diameter mm
M 1	0,75	M 3,5	2,9	M 12	10,2	M 36	32
M 1,1	0,85	M 4	3,3	M 14	12	M 39	35
M 1,2	0,95	M 4,5	3,7	M 16	14	M 42	37,5
M 1,4	1,1	M 5	4,2	M 18	15,5	M 45	40,5
M 1,6	1,25	M 6	5	M 20	17,5	M 48	43
M 1,8	1,45	M 7	6	M 22	19,5	M 52	47
M 2	1,6	M 8	6,8	M 24	21	M 56	50,5
M 2,2	1,75	M 9	7,8	M 27	24		
M 2,5	2,05	M 10	8,5	M 30	26,5		
M 3	2,5	M 11	9,5	M 33	29,5		