

# MECHANICAL PROPERTIES OF BOLTS, SCREWS AND STUDS - ISO 898

MECHANICAL PROPERTY			PROPERTY CLASS			
			4.8	8.8		10.9
				d ≤ 16mm	d > 16mm	
Tensile Strength (N/mm <sup>2</sup> )	nom		400	800	800	1000
	min		420	800	830	1040
Rockwell Hardness, HR	min	HRB	71,0	-	-	-
		HRC	-	22	23	32
	max	HRB	99,5	-	-	-
		HRC	-	32	34	39
Lower Yield Stress (R <sub>eL</sub> N/mm <sup>2</sup> )	nom		320	-	-	-
	min		340	-	-	-
Proof Stress (Rp0,2 N/mm <sup>2</sup> )	nom		-	640	640	900
	min		-	640	640	940
Elongation after Fracture, A	min		14	12	12	9