

CARBON STEEL

METRIC HEX NUTS

PROPERTY CLASS	HEAT TREATMENT	NUT HEIGHT	DIAMETER	HARDNESS					
				VICKERS (HV)		BRINELL (HB OR HBW)		ROCKWELL	
				MIN	MAX	MIN	MAX	MIN	MAX
04	Not Quenched and Tempered	Style 0	M5 ≤ D ≤ M39	188	334	179	318	88.8 HRB	33.9 HRC
5		Style 1	M5 ≤ D ≤ M16	130		124		71.2 HRB	
		Style 1	M16 ≤ D ≤ M39	146		139		77.9 HRB	
6		Style 1	M5 ≤ D ≤ M16	150		143		78.7 HRB	
		Style 1	M16 ≤ D ≤ M39	170		162		85.0 HRB	
8		Style 1	M5 ≤ D ≤ M16	200		190		91.5 HRB	
		Style 2	M5 ≤ D ≤ M39						
05	Quenched and Tempered	Style 0	M5 ≤ D ≤ M39	272	353	268	349	26.5 HRC	36.9 HRC
8		Style 1	M5 ≤ D ≤ M16	200	334	165	330	92.7 HRB	34.8 HRC
		Style 1	M16 ≤ D ≤ M39	233		228		98.9 HRB	
		Style 2	M5 ≤ D ≤ M39	200		195		92.7 HRB	
10		Style 1	M5 ≤ D ≤ M39	272	353	268	349	26.5 HRC	36.9 HRC
		Style 2	M5 ≤ D ≤ M39	233		228		98.9 HRB	
12		Style 1	M5 ≤ D ≤ M16	308	368	304	363	31.6 HRC	38.5 HRC
		Style 2	M5 ≤ D ≤ M39	272	353	268	349	26.5 HRC	36.9 HRC

Reference ISO 898.2 2022