

MECHANICAL PROPERTIES OF BOLT (KS B 1010 / JIS B1186)

GRADE ACCORDING TO MECHANICAL PROPERTIES OF BOLT	PROOF STRESS N/mm ² (kgf/mm ²)	Tensile Strength N/mm ² (kgf/mm ²)	Elongation %	Reduction of area %
F8T	640 min (65.3 min)	800 to 1000 (81.6 to 102.0)	16 min	45 min
F10T	900 min (91.8 min)	1000 to 1200 (102.0 to 122.4)	14 min	40 min
F11T	950 min (96.9 min)	1100 to 1300 (112.2 to 132.6)	14 min	40 min

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GRADE ACCORDING TO MECHANICAL PROPERTIES OF NUT	HARDNESS		PROOF LOAD
	MINIMUM	MAXIMUM	
F8	85 HRB	100 HRB	The same as the tensile load (minimum) of the bolt of Table 3
F10	95 HRB	35 HRC	

GRADE ACCORDING TO MECHANICAL PROPERTIES OF WASHER	HARDNESS
F35	35 to 45 HRC