













Quick Production Selection Guide

PRODUCT	TENSILE STRENGTH		SIZE RANGE				EQUIVALENT STANDARDS						
	Property Class		Diameter		Length								
	Psi. Min.	N/mm ²	Metric	Inch*	Metric	Inch*	IS	ISO	DIN	BS	ANSI	JIS	
Socket Head Cap Screws		190000	1,300	M2 to M42	1/8 to 1"	6 to 300 mm	3/16" to 10"	2269	4762	912	4168	B18.3.1M	B1176
Socket Countersunk Head Screws		160000	1,050	M3 to M24	3/16" to 5/16"	6 to 60 mm	3/8" to 1 1/4"	6761	--	7991	4168	B18.3.5M	--
Socket Button Head Cap Screws		--	1,050	M3 to M12	--	50 mm	--	7380	9427	4168	B18.3.4M	--	
Socket Head Shoulder Screw		--	(12.9)	M6 to M24	--	10 to 120 mm	--	7379	9841	4168	--	--	
Socket Set Screws Knurled Cup		Hardness HRc 45 Min.		M3 to M20	1/8" to 3/4"	3 to 85 mm	3/16" to 3"	6094	4026	913	4168	B18.3.6M	B1177
Durlok Bolt		--	12.9	M6 to M20	--	12 to 100 mm	--	As Per Unbrako Specification					
Hex Wrenches		Hardness HRc 47 Min.		1.5 to 32 mm	1/16" to 3/4"	--	--	3082	2936	911	4168	B18.3.2M	B4648
Hex Head Bolts		800/830 (8.8)	Grade R,S	M4 to M42	1/4" to 2"	10 to 300 mm	1/2" to 12"	1364	4014	931	1083	B18.2.1	B1180
Hex Nuts		Nut Grade 8/10	Nut Grade 8/5	M6 to M72	1/4" to 1-1/2"	--	--	1364	4032	934	1083	B18.2.4.1M	B1181
High Strength Structural Bolts, Nuts, Washers		8.8/10.9	--	M16 to M30	--	40 to 300 mm	--	3757	7412	6914	4395	B18.2.3.7M	B1186
Stud With 2 Heavy nuts		Stud B7	Nut 2H	M12-M56	1/2" to 2-1/4"	60 to 500 mm	2.1/4" to 27"	--	--	--	--	A193	A194
Special Products		--	800/830 (8.8)	M3 to M42	1/8" to 1"	6 to 410 mm	3/8" to 12"	As per customer specifications					

*Thread type in any of the following inch series : BSW, BA, UNC & UNF.
 ** Thread type in NPTF
 Note : UNBRAKO standards meet, or in many instances, exceed the requirements of the standards listed.

Plating : No guarantee can be given for UNBRAKO products which have been plated by the users and / or outside plates, who may not have considered hydrogen embrittlement problem.