

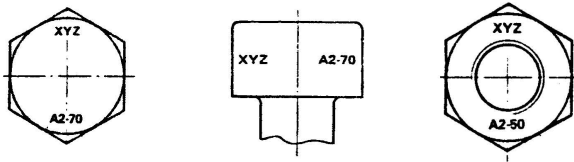
GENERAL INFORMATION - STAINLESS STEEL FASTENERS

Marking

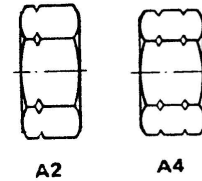
Ref: ISO 3506-1979

All hexagon head screws, bolts and socket cap screws of thread diameter M 5 and greater are marked with the steel grade (A2), property class (70) and manufacturer's identification mark (XYZ). Nuts of thread diameter M 5 and greater are marked with the steel grade and property class as shown.

The combination of material grade marking and property class will indicate the fasteners corrosion resistance and tensile strength.



Property Class only for lower strengths



Permissible alternative for nuts

Some items in our catalog are made of stainless grades that are unique to their form or function. For simplification and uniformity purposes, we have identified them with the A2 or A4 designation based upon the closest grade of corrosion resistance. These items will also show the actual appropriate grade they are made from.

Permissible Torque for A2 and A4*

THREAD DIAMETER		M6	M8	M10	M12	M14	M16	M20	M24	M27
MAX. TORQUE	N/m	6.3	16	30	46	74	101	184	223	308
	mkp	0.85	2	3.8	6.5	9.5	12	18	32	43

*Normal applications (Property Class 70) at room temperature for information only.

Breaking Torque for Screws of M5 and Smaller

Ref: ISO 3506-1979

PROPERTY CLASS		THREAD DIAMETERS (Coarse)					
		M1.6	M2	M2.5	M3	M4	M5
50	N/m	0.15	0.3	0.6	1.1	2.7	5.5
70		0.2	0.4	0.9	1.6	3.8	7.8
80		0.27	0.56	1.2	2.1	4.9	10.0