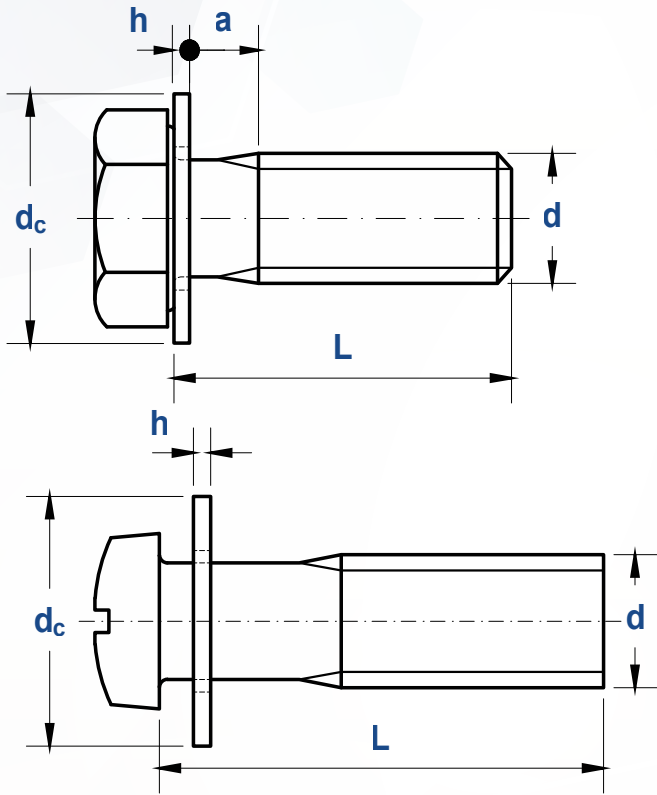




Bolt / Screw			Washer (ISO 10673)		
Description	Standard	Symbol	S	N	L
Hexagon head bolts	ISO 4017	S1		✓	✓
Hexagon head bolts	ISO 4014	S2		✓	✓
Pan Head screws (H/Z)	ISO 7045	S3		✓	✓
A1	ISO 4762	S4	✓	✓	✓
Slotted pan head screws	ISO 1580	S5		✓	✓
Slotted cheese head screws	ISO 1207	S6	✓	✓	✓
A2	ISO 14579	S10	✓	✓	✓
A3	ISO 14583	S11		✓	✓
Hexagon bolts with flange	ISO 15071	S12		✓	✓
Hexagon bolts with flange	ISO 15072	S13		✓	✓

A1: Hexagon socket head cap screws

A2: Hexalobular socket raised countersunk(oval) head tapping screws

A3: Hexalobular socket pan head screws

For thread diameter			M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10	M12
h	Type S	Nominal Size	0.6	0.6	0.6	0.8	0.8	1	1.6	1.6	2	2
	Type N	Nominal Size	0.6	0.6	0.6	0.8	0.8	1	1.6	1.6	2	2.5
	Type L	Nominal Size	0.6	0.6	0.8	0.8	1	1	1.6	2	2.5	3
d _c	Type S	max	4.5	5	6	7	8	9	11	15	18	20
	Type N	max	5	6	7	8	9	10	12	16	20	24
	Type L	max	6	8	9	11	12	15	18	24	30	37

①, a_{max} : 2P

②, Material:

a) The components of screw and washer assemblies shall satisfy the material and mechanical property requirements specified in the respective product standards in the finished condition.

b) Washer: property class of screw ≤8.8: hardness class of washer 200 HV according to ISO 10673; property class of screw 9.8 and 10.9: hardness class of washer 300 HV according to ISO 10673