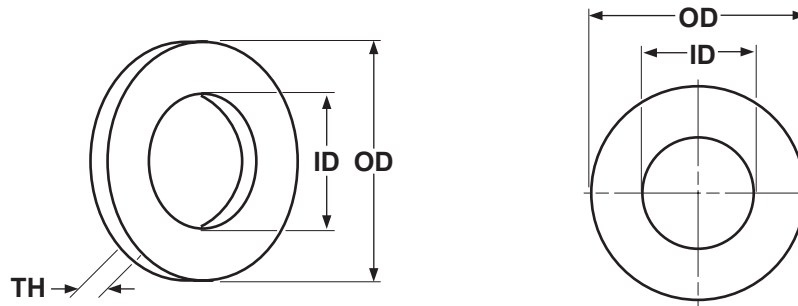


WASHERS METRIC

DIN 125A
Flat Washers



METRIC - STANDARD FLAT WASHERS, PER DIN 125A						DIN 125A
Nominal Size	ID		OD		T	
	Internal Diameter		Outside Diameter		Thickness	
	Max	Min	Max	Min	Max	Min
3	3.38	3.2	7	6.64	0.55	0.45
3.5	3.88	3.7	8	7.64	0.55	0.45
4	4.48	4.3	9	8.64	0.9	0.7
5	5.48	5.3	10	9.64	1.1	0.9
6	6.62	6.4	12	11.57	1.8	1.4
8	8.62	8.4	16	15.57	1.8	1.4
10	10.77	10.5	20	19.48	2.2	1.8
12	13.27	13	24	23.48	2.7	2.3
16	17.27	17	30	29.48	3.3	2.7
20	21.33	21	37	36.38	3.3	2.7

Description	A thin, flat circular part with a centrally located hole with outside diameter approximately twice the nominal thread diameter of the bolt or screw to be used with it. The "A" in 125A denotes that this washer is not chamfered.
Applications/ Advantages	This is the most commonly used flat washer with low carbon bolts, screws and nuts.
Material	Steel HV-140
Hardness	HV 140 - 250