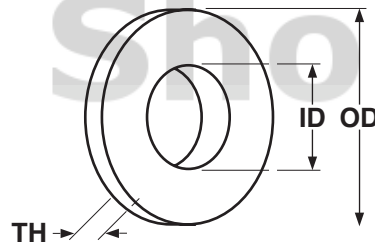


WASHERS

DIN 433 Flat



METRIC - SMALL FLAT WASHERS						DIN 433
Nominal Size	ID		OD		TH	
	Internal Diameter		Outside Diameter		Thickness	
	Max	Min	Max	Min	Max	Min
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

Description	A thin, flat circular part with a centrally located hole. The outside diameter of this variety washer is smaller than that of a like-sized standard flat washer. Only the ISO 7092 washer has a smaller OD..
Applications/ Advantages	The DIN 433 flat washer is ideal for use with Cheese Head screws.. <u>Class 140 HV & Class 200 HV</u> metric washers meet the majority of industrial applications in manufacturing, maintenance and repair. <u>Class 300 HV</u> metric washers are best suited for use with through-hardened cap-screws, bolts and nuts.
Material	Low or medium carbon steel
Hardness	Class 140 HV: HV 140 minimum (Rockwell B 75 minimum) Class 200 HV: HV 200-300 (Rockwell B 91.5 - C 29.8) Class 300 HV: HV 300-400 (Rockwell C 29.8 - 40.8)
Plating	See Appendix-A for information about the plating of flat washers.