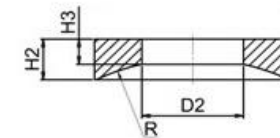
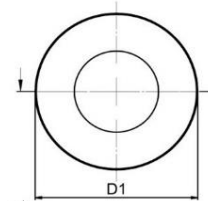
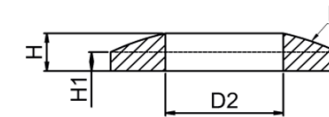
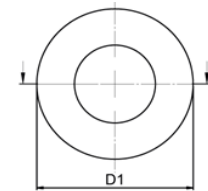


DIN 6319 Spherical Seating Washers - Female (Concave)



D = STUD SIZE
FEMALE WASHER

DIN 6319 Spherical Seating Washers - Female (Concave)															
D = Stud Size	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M30		
D1	12	12	16	19	22	28	32	35	38	40	48	53	63		
D2	5.5	6.5	8	10	12	14.5	16.5	18.5	20.5	22.5	25.5	28.5	33		
H2	3.3	3.3	3.7	4.5	5.3	6.1	6.1	6.1	6.6	7.3	8.9	9.7	10.5		
H3	2.1	2.2	2.1	2.6	3.5	3.7	3.2	3.2	3.8	4.3	5	5.6	5		
R	13	13	16	19	25	32	35	40	48	48	57	64	70		



D = STUD SIZE
MALE WASHER

DIN 6319 Spherical Seating Washers - Male (Convex)															
D = Stud Size	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M30		
D1	12	12	16	19	22	28	32	35	38	40	48	53	63		
D2	3.5	6.5	8	10	12	14.5	16.5	18.5	20.5	22.5	25.5	28.5	33		
H	2.6	2.8	3.2	4	4.4	4.8	5	5.2	5.5	6	6.4	7.6	8		
H1	1.4	1.7	1.6	2.1	2.6	2.4	2.1	2.3	2.7	3	2.5	3.5	2.5		
R	13	13	16	19	25	32	35	40	48	48	57	64	70		

Material

*Steel Grade 230M07 BS970 Surface Hardened - Chemical Black Finish
Stainless Steel Grade 303 And Grade 316*

Concave And Convex Washers Are Used In Pairs And Are Suitable For Locking Mechanical Parts On Non-Parallel Surfaces

INFORMATION AND DRAWINGS PROVIDED ARE FOR REFERENCE ONLY