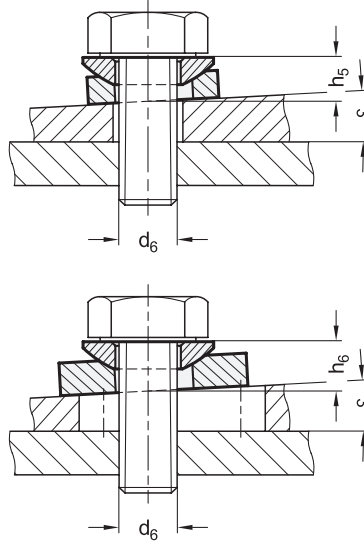


Assembly examples



2 Type

- C** Spherical seat washer
- D** Dished washer with $d_3 = d_2$
- G** Dished washer with $d_4 > d_2$ (enlarged outer diameter)



d ₁ H13		Stainless steel NI		Stainless steel A4		d ₂	d ₃	d ₄	d ₅	d ₆ Screw	h ₁	h ₂	h ₃	h ₄	h ₅ ≈	h ₆ ≈	r	Max. transferable static bolt force in kN
Type C	Type D / G	Type C	Type D	Type C	Type D													
6,4	7,1	6,4	7,1	12	12	17	11	M 6	0,7	2,3	2,8	4	4,2	5,4	9	6		
8,4	9,6	8,4	9,6	17	17	24	14,5	M 8	0,6	3,2	3,5	5	5,6	7,1	12	10		
10,5	12	10,5	12	21	21	30	18,5	M 10	0,8	4	4,2	5	6,5	7,3	15	17		
13	14,2	13	14,2	24	24	36	20	M 12	1,1	4,6	5	6	8	9	17	25		
15	16,5	15	16,5	28	28	40	24,8	M 14	1,2	5	5,6	6	8,5	9,5	22	34		
17	19	17	19	30	30	44	26	M 16	1,3	5,3	6,2	7	9,6	10,4	22	47		
21	23,2	21	23,2	36	36	50	31	M 20	2	6,3	7,5	8	11,7	12,2	27	73		
25	28	25	28	44	44	60	37	M 24	2,4	8,2	9,5	10	15,2	15,7	32	105		
31	35	31	35	56	56	68	49	M 30	3,6	11,2	12	12	19,2	19,7	41	168		
37	42	-	-	68	68	-	60	M 36	4,6	14	15	-	23,5	-	50	245		
43	49	-	-	78	78	-	70	M 42	6,5	17	18	-	29	-	58	336		
50	56	-	-	92	92	-	82	M 48	8	21	22	-	35,5	-	67	441		

Specification

- Stainless steel AISI 303 **NI**
- Type C, D and G
- Not hardened
- Stainless steel AISI 316 **A4**
- Type C and D
- Not hardened
- ISO Fundamental Tolerances → Page 2151
- Stainless Steel Characteristics → Page 2166
- RoHS

On request

- Hardened spherical washers in SST
- Hardened dished washers in SST

Information

Stainless steel spherical washers and dished washers DIN 6319 are used for clamping on non-parallel surfaces.

The dished washers type G (only in stainless steel NI) with enlarged outside diameter are mainly used on elongated holes.

When utilizing stainless steel hexagon nuts with spherical seating DIN 6330 type B the spherical washer is redundant.

see also...

- *Stainless Steel Spherical Leveling Washers GN 350.3 (High Load)* → Page 1097
- *Stainless Steel Hexagon Nuts DIN 6330 (with Spherical Seating)* → Page 1082

How to order	1	d ₁
DIN 6319-21-C-NI	2	Type
	3	Material

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9

