

Dimensions tolerances		Form and position tolerances	
①	②	⑤	⑦
	③	⑥	
	④		

In the following tables, only the specifications for commercially available product classes A and C are listed.

Dimensions tolerances					Form and position tolerances					
Characteristic	Nominal size		Product class		Characteristic	Nominal size		Product class		
	>	≤	A (m)	C (g)		>	≤	A (m)	C (g)	
① Clearance hole d_i * h' is the part of the hole within the tolerance specified for d _i .	h		d_i*		⑤ Thickness variation on the same part $w = -\frac{1}{2}-(d_2-d_i)$ $d_3 = \frac{(d_2+d_i)}{2}$ * Δ h only applies in the range from d ₃ – 0.3 w to d ₃ + 0.3 w	h		Δ h*		
	-	4	H13	H14		-	0.5	0.025	-	
	4	-	H14	H15		0.5	1.0	0.05		
	h		(h') min			1.0	2.5	0.10		
	-	4	≥ 0.5 h			2.5	4.0	0.15		
	4	-	≥ 0.3 h			4.0	6.0	0.20		
6.0	10			6.0	10	0.30				
10	20			10	20	0.40				
② Outside diameter d₂	h		d₂		⑥ Flatness * Tolerance c (t ₂) is always independent of the thickness tolerance for h.	h		c* (t₂) **		
	-	4	h14	h16		-	0.5	0.10	-	
	4	-	h15	h16		0.5	1.0	0.15		
h		Tol. mm		1.0		2.5	0.20			
-	0.5	± 0.05	± 0.10	2.5		4.0	0.30			
0.5	1.0	± 0.10	± 0.20	4.0		6.0	0.40			
1.0	2.5	± 0.20	± 0.30	6.0		10	0.60			
2.5	4.0	± 0.30	± 0.60	6.0	10	0.60				
4.0	6.0	± 0.60	± 1.00	For washers from stainless steel } = 2 c (DIN 522) } = 1.5c (ISO 4759-3)						
6.0	10	± 1.00	± 1.20							
10	20	± 1.20	± 1.60							
③ Washer thickness h	h		Tol. mm		⑦ Coaxiality b (dependent on d ₂)	d₂		b (t_i)		
	-	0.5	± 0.05	± 0.10		-	50	2 IT12	2 IT15	
	0.5	1.0	± 0.10	± 0.20		50	-	2 IT13	2 IT16	
④ Chamfer	α e min e max		30–45° 0.25 h 0.50 h							

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