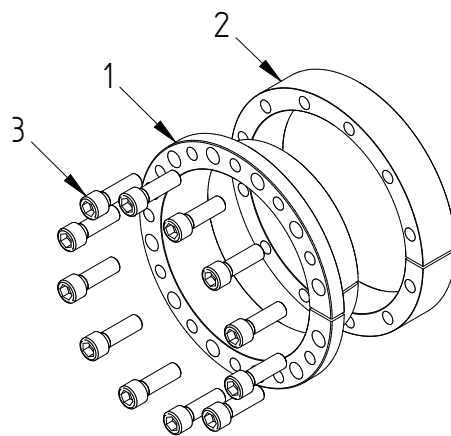


Used symbols

d [mm]	Shaft diameter	
D [mm]	Hub inside diameter	
M_t [Nm]	Max. transmittable torque	$F_{ax} = 0$
F_{ax} [kN]	Max. transmittable axial force	$M_t = 0$
p_w [N/mm ²]	Average pressure on the shaft	
p_N [N/mm ²]	Average pressure on the hub	
L [mm]	Lenght of the pressure ring	
L_1 [mm]	Distance of the pressure ring	
L_2 [mm]	Width of the locking device without screws	
L_3 [mm]	Width of the locking device with screws	
Z	Number of clamping screws	
S	Size of the clamping screws	
M_A [Nm]	Tightening torque of the clamping screws	



Recommended tolerances & surfaces

Shaft	h8 / Rz10
Hub	H8 / Rz10

Bending loads

Bending moment (share)	$M_B \text{ max} = 0,3 * M_t$
Bending angle	max. 5°

More properties

- axial displacement during assembly
- good self-centering
- low self-locking

Ordering information: TAS 3003/d/D (e.g: TAS 3003/150/200 ... further sizes on request)

Pos.	Designation
1	Sleeve
2	Pressure ring
3	Screw

3003

d mm		D mm	M_t Nm	F_{ax} kN	p_w N/mm ²	p_N N/mm ²	Z Pcs.	S	M_A Nm	L mm	L₁ mm	L₂ mm	L₃ mm	Weight kg
20	x	47	410	41	320	136	6	M6 x 020	14	17	22	28	34	0,26
22	x	47	450	41	290	136	6	M6 x 020	14	17	22	28	34	0,24
24	x	50	490	41	265	127	6	M6 x 020	14	17	22	28	34	0,27
25	x	50	510	41	255	127	6	M6 x 020	14	17	22	28	34	0,27
28	x	55	570	41	227	116	6	M6 x 020	14	17	22	28	34	0,32
30	x	55	610	41	212	115	6	M6 x 020	14	17	22	28	34	0,30
32	x	60	880	55	268	143	8	M6 x 020	14	17	22	28	34	0,37
35	x	60	960	55	245	143	8	M6 x 020	14	17	22	28	34	0,34
38	x	65	1000	53	216	126	8	M6 x 020	14	17	22	28	34	0,43
40	x	65	1100	55	215	132	8	M6 x 020	14	17	22	28	34	0,40
42	x	75	2200	105	331	185	8	M8 x 025	35	20	25	33	41	0,68
45	x	75	2400	107	314	189	8	M8 x 025	35	20	25	33	41	0,64
48	x	80	2500	104	288	173	8	M8 x 025	35	20	24	33,5	41	0,73
50	x	80	2600	104	276	172	8	M8 x 025	35	20	24	33,5	41	0,71
55	x	85	2900	105	254	165	8	M8 x 025	35	20	24	33,5	41	0,76
60	x	90	3100	103	228	152	8	M8 x 025	35	20	24	33,5	41	0,82
65	x	95	3400	105	213	146	8	M8 x 025	35	20	24	33,5	41	0,87
70	x	110	6000	171	271	172	8	M10 x 030	70	24	29	40	50	1,6
75	x	115	6400	171	252	164	8	M10 x 030	70	24	29	40	50	1,7
80	x	120	6800	170	235	157	8	M10 x 030	70	24	29	40	50	1,8
85	x	125	9000	212	275	187	10	M10 x 030	70	24	29	40	50	1,9
90	x	130	9600	213	262	181	10	M10 x 030	70	24	29	40	50	2,0
95	x	135	10200	215	250	176	10	M10 x 030	70	24	29	40	50	2,0
100	x	145	12000	240	245	169	8	M12 x 035	115	26	31	44	56	2,8
110	x	155	13000	236	219	156	8	M12 x 035	115	26	31	44	56	3,0
120	x	165	16000	267	227	165	9	M12 x 035	115	26	31	44	56	3,2
130	x	180	23000	354	212	153	12	M12 x 035	115	34	39	52	68	4,9
140	x	190	25000	357	199	147	9	M14 x 040	185	34	39	54	68	5,2
150	x	200	30000	400	208	156	10	M14 x 040	185	34	39	54	68	5,5
160	x	210	38800	485	236	180	12	M14 x 040	185	34	39	54	68	5,8
170	x	225	41300	486	172	130	12	M14 x 040	185	44	49	64	78	8,2
180	x	235	43700	486	163	125	12	M14 x 040	185	44	49	64	78	8,6
190	x	250	57700	607	193	146	15	M14 x 040	185	44	49	64	78	10,0
200	x	260	60700	607	183	141	15	M14 x 040	185	44	49	64	78	10,5