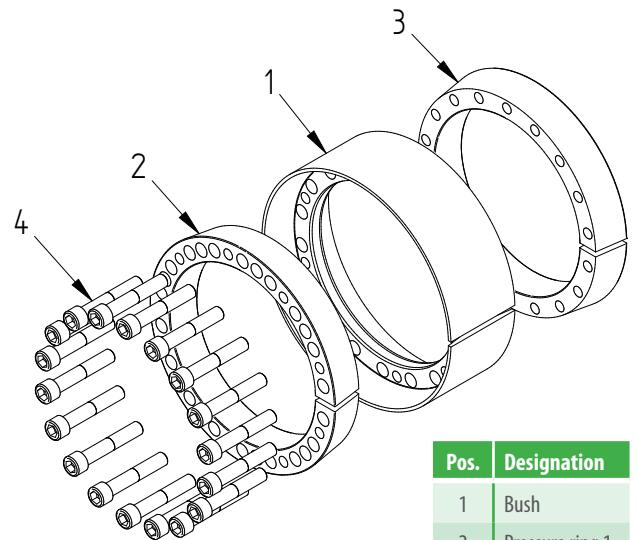


Used symbols

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]	Length of the bush	
L_1	[mm]	Width of the locking device without screws	
L_2	[mm]	Width of the locking device with screws	
Z		Number of clamping screws	
S		Size of the clamping screws	
M_A		Tightening torque of the clamping screws	



Pos.	Designation
1	Bush
2	Pressure ring 1
3	Pressure ring 2
4	Screw

Recommended tolerances & surfaces

Shaft	h8 / Rz10
Hub	H8 / Rz10

Bending loads

Bending moment (share)	$M_B \text{ max} = 0,4 * M_t$
Bending angel	max. 5°

More properties

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

Ordering information: TAS RB/d/D (for example: TAS RB/150/200 ... further sizes on request)

d mm		D mm	M_t Nm	F_{ax} kN	p_w N/mm ²	p_N N/mm ²	Z Stk	S	M_A Nm	L mm	L₁ mm	L₂ mm	Weight kg
100	x	145	7800	157	80	46	7	M10x060	83	62	74	84	4,2
110	x	155	9800	180	83	50	8	M10x060	83	62	74	84	4,6
120	x	165	12100	202	83	51	9	M10x060	83	64	76	86	5,1
130	x	180	14600	225	85	52	10	M10x060	83	64	76	86	6,1
140	x	190	17300	247	84	52	11	M10x060	83	66	78	88	6,7
150	x	200	18500	247	73	53	11	M10x070	83	62	84	94	6,7
160	x	210	23900	299	75	48	9	M12x075	145	78	92	104	8,9
170	x	225	28200	332	79	50	10	M12x075	145	78	92	104	10,4
180	x	235	29800	332	79	50	10	M12x070	145	75	86	100	10,6
190	x	250	38100	401	67	50	9	M14x080	230	85	112	126	13,8
200	x	260	44500	446	70	54	10	M14x090	230	85	112	126	14,5
220	x	285	53900	490	74	54	11	M14x090	230	85	112	126	17,2
240	x	305	66000	551	76	56	9	M16x090	355	85	112	128	18,6
260	x	325	87400	673	75	57	11	M16x100	355	97	124	140	22,7
280	x	355	111000	795	72	55	13	M16x090	355	108	136	152	31,7
300	x	375	119000	795	73	52	13	M16x090	355	108	127	143	33,7
320	x	405	138000	865	65	47	15	M16x090	355	120	142	142	45,6
340	x	425	142000	841	60	44	15	M16x090	355	120	142	158	48,1
360	x	455	195000	1088	67	49	16	M18x130	485	130	160	178	62,1
380	x	475	235000	1240	67	48	13	M20x130	690	145	172	192	72,6
400	x	495	305000	1526	78	56	16	M20x130	690	145	172	192	76,0
420	x	515	320000	1526	69	54	16	M20x130	690	145	180	190	79,4
440	x	545	377000	1717	74	52	18	M20x130	690	160	180	200	102,0
460	x	565	394000	1717	71	56	18	M20x130	690	145	180	200	96,2
480	x	585	457000	1907	75	54	20	M20x130	690	160	180	200	110,3
500	x	605	476000	1907	72	60	20	M20x130	690	140	180	200	100,1
520	x	630	556000	2141	73	50	18	M22x140	930	180	202	224	140,4
540	x	650	610000	2260	74	51	19	M22x140	930	180	202	224	145,3
560	x	670	666000	2379	75	52	20	M22x140	930	180	202	224	150,2
580	x	690	632000	2180	66	47	20	M22x140	930	180	208	208	155,0
600	x	710	653000	2180	64	45	20	M22x140	930	180	208	230	159,9
620	x	730	585000	1888	78	62	21	M20x090	930	110	140	140	100,7