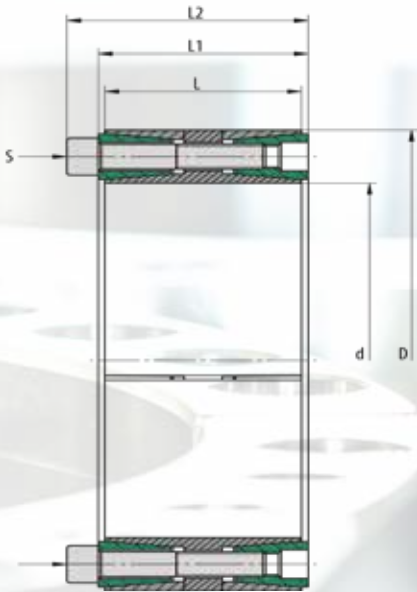
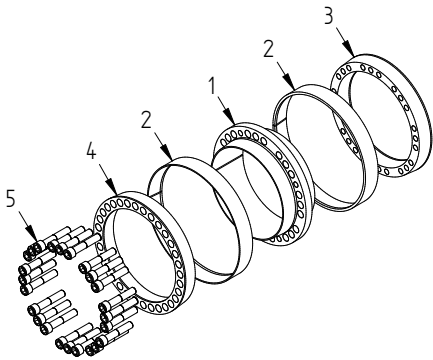


3015.1 DK



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 sleeve
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	[Nm]	Tightening torque of the clamping screws



Recommended tolerances & surfaces

Shaft	h8 / Rz10
Hub	H8 / Rz10

Bending loads

Bending moment (share)	$M_B \text{ max} = 0,35 * M_t$
Bending angle	max. 5°

More properties

- no axial displacement during assembly
- good self-centering
- low self-locking

Pos.	Designation
1	Sleeve
2	Outer ring
3	Pressure ring 1
4	Pressure ring 2
5	Screw

Ordering information: TAS 3015.1 DK/d/D (e.g: TAS 3015.1 DK/150/200 ...
further sizes on request)

3015.1 DK

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	L_1 mm	L_2 mm	Weight kg
100	x	145	7000	139	101	69	9	M10 x 055	83	60	65	75	4,1
110	x	155	8500	155	102	72	10	M10 x 055	83	60	65	75	4,4
120	x	165	11100	185	112	81	12	M10 x 055	83	60	65	75	4,8
130	x	180	15100	232	109	79	15	M10 x 060	83	68	74	84	6,5
140	x	190	16200	232	101	75	15	M10 x 060	83	68	74	84	7,0
150	x	200	18500	247	101	76	16	M10 x 060	83	68	74	84	7,4
160	x	210	22300	278	106	81	18	M10 x 060	83	68	74	84	7,8
170	x	225	29100	343	111	84	15	M12 x 065	145	75	81	93	10,0
180	x	235	32900	365	111	85	16	M12 x 065	145	75	81	93	10,6
190	x	250	39100	411	101	77	18	M12 x 075	145	88	94	106	14,3
200	x	260	45700	457	107	82	20	M12 x 075	145	88	94	106	15,0
220	x	285	52800	480	98	75	21	M12 x 080	145	98	104	116	19,8
240	x	305	65800	548	102	81	24	M12 x 080	145	98	104	116	21,4
260	x	325	80200	617	106	85	27	M12 x 080	145	98	104	116	23,0
280	x	355	120200	858	111	87	28	M14 x 100	230	120	126	140	35,2
300	x	375	128700	858	104	83	28	M14 x 100	230	120	126	140	37,4
320	x	405	188500	1178	114	90	28	M16 x 110	355	135	142	158	51,3
340	x	425	200300	1178	107	86	28	M16 x 110	355	135	142	158	54,1
360	x	455	220400	1225	90	71	24	M18 x 140	485	158	165	183	75,4
380	x	475	261800	1378	96	77	27	M18 x 140	485	158	165	183	79,0
400	x	495	326600	1633	108	87	32	M18 x 140	485	158	165	183	82,8
420	x	515	342900	1633	103	84	32	M18 x 140	485	158	165	183	86,5
440	x	545	389600	1771	97	78	27	M20 x 140	690	172	180	200	110
460	x	565	407300	1771	93	76	27	M20 x 140	690	172	180	200	114
480	x	585	472200	1968	99	81	30	M20 x 140	690	172	180	200	119
500	x	605	491900	1968	95	78	30	M20 x 140	690	172	180	200	123
520	x	630	545700	2099	86	71	32	M20 x 150	690	190	200	220	148
540	x	650	566700	2099	83	69	32	M20 x 150	690	190	200	220	154
560	x	670	661100	2361	90	75	36	M20 x 150	690	190	200	220	160
580	x	690	684700	2361	86	73	36	M20 x 150	690	190	200	220	165
600	x	710	708300	2361	84	71	36	M20 x 150	690	190	200	220	170
620	x	730	731900	2361	81	69	36	M20 x 150	690	190	200	220	175
640	x	750	755500	2361	78	67	36	M20 x 150	690	190	200	220	180