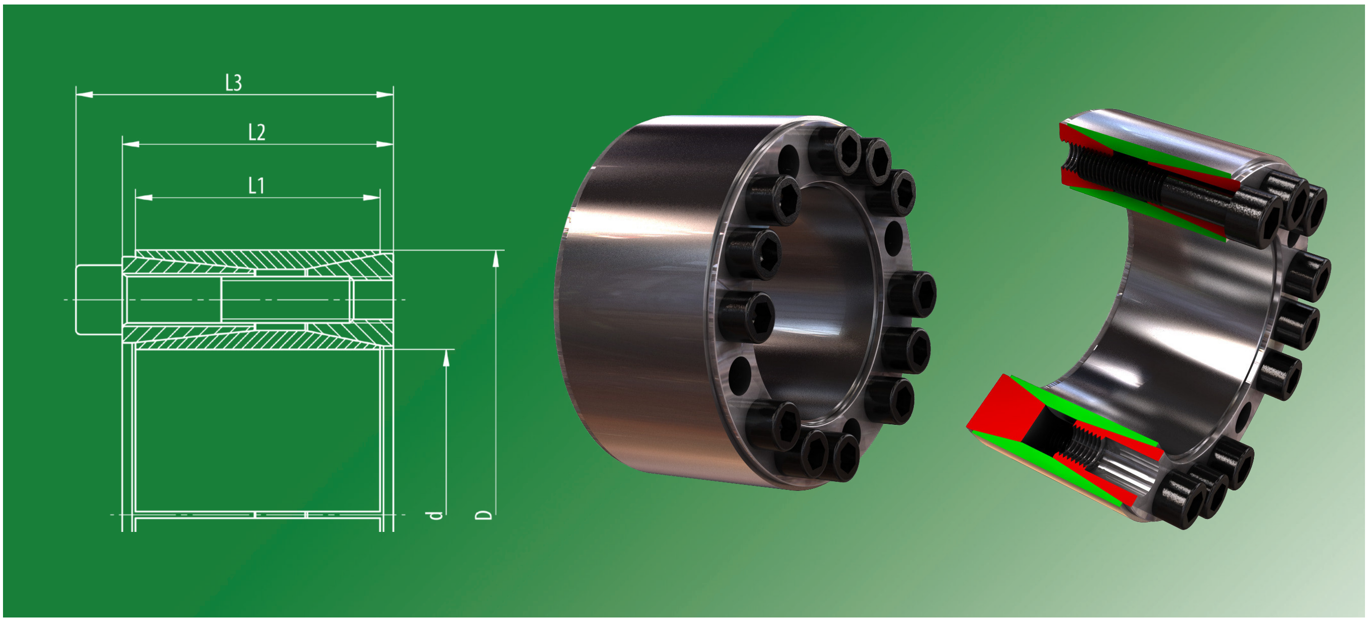
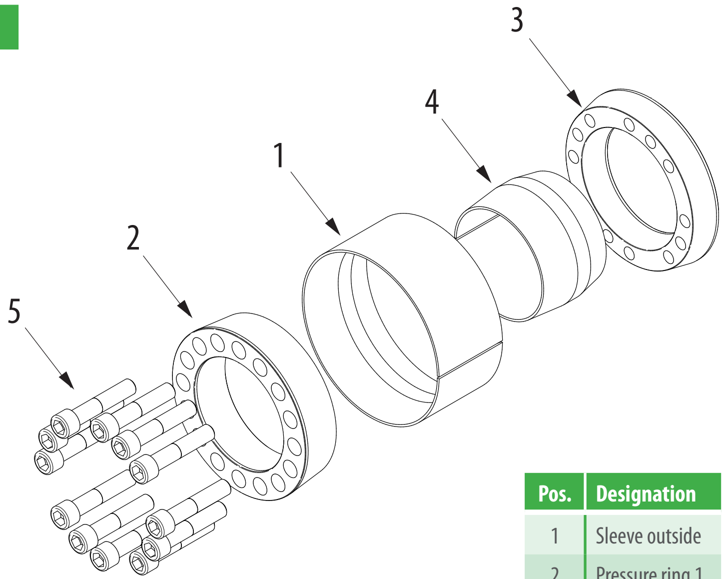
3014



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_1	[mm]	Lenght of the sleeve inside and outside
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



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

Recommended tolerances & surfaces

Shaft	k9-h9 / Rz10
Hub	N9-H9 / Rz10

Bending loads

Bending moment (share)	M_B max = 0,3 * M_t
Bending angel	max. 5`

More properties

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

In order to be able to dismantle these clamping sets, the back pressure ring pos. 3 must bear against a stop !

Ordering information: TAS 3014/*d*/*D* (for example: TAS 3014/150/200 ... further sizes on request)

3014

d mm		D mm	M_t Nm	F_{ax} kN	p_W N/mm²	p_N N/mm²	Z Stk	S	M_A Nm	L mm	L_1 mm	L_2 mm	Weight kg
70	**x**	**120**	7136	204	206	120	8	M12 x 055	145	56	62	74	3,2
80	**x**	**130**	12233	306	271	166	12	M12 x 055	145	56	62	74	3,6
90	**x**	**140**	13762	306	240	155	12	M12 x 055	145	56	62	74	3,9
100	**x**	**160**	20967	419	219	137	12	M14 x 070	235	72	82	96	7,0
110	**x**	**170**	26908	489	233	151	14	M14 x 070	235	72	82	96	7,5
120	**x**	**180**	31450	524	228	152	15	M14 x 070	235	72	82	96	8,0
130	**x**	**190**	34071	524	211	144	15	M14 x 070	235	72	82	96	8,5
140	**x**	**200**	41585	594	222	155	17	M14 x 070	235	72	82	96	9,1
150	**x**	**210**	47176	629	219	151	18	M14 x 070	235	72	82	96	9,6
160	**x**	**230**	65643	821	231	161	17	M16 x 080	365	84	94	110	13,8
170	**x**	**240**	73848	869	230	163	18	M16 x 080	365	84	94	110	14,5
180	**x**	**250**	86880	965	241	174	20	M16 x 080	365	84	94	110	15,3
190	**x**	**260**	96292	1014	240	175	21	M16 x 080	365	84	94	110	16,0
200	**x**	**270**	111013	1110	250	185	23	M16 x 080	365	84	94	110	17,0
220	**x**	**300**	135579	1233	198	145	21	M18 x 100	500	105	116	134	27,0
240	**x**	**320**	169033	1408	208	156	24	M18 x 100	500	105	116	134	29,2
260	**x**	**340**	183119	1409	192	147	24	M18 x 100	500	105	116	134	31,3
280	**x**	**370**	252994	1807	194	147	24	M20 x 120	710	125	136	156	45,0
300	**x**	**390**	271065	1807	181	139	24	M20 x 120	710	125	136	156	47,7