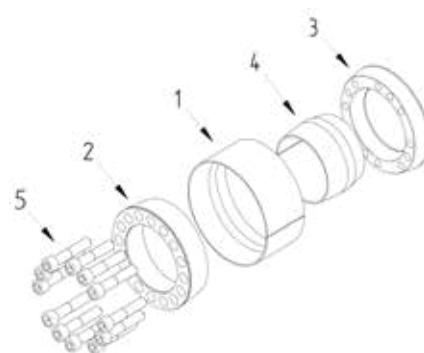


## Used symbols

$d$	[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 <sup>2</sup> ]	Average pressure on the shaft
$p_N$	[N/mm <sup>2</sup> ]	Average pressure on the hub
$L_1$	[mm]	Length 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



## Recommended tolerances & surfaces

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

## Bending loads

Bending moment (share)	$M_B \max = 0,3 \cdot M_t$
Bending angle	max. 5°

## More properties

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

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

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 (e.g: TAS 3014/150/200 ... further sizes on request)

# 3014

$d$ mm		$D$ mm	$M_t$ Nm	$F_{ax}$ kN	$p_w$ N/mm <sup>2</sup>	$p_N$ N/mm <sup>2</sup>	$Z$ Pcs.	$S$	$M_A$ Nm	$L_1$ mm	$L_2$ mm	$L_3$ 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

