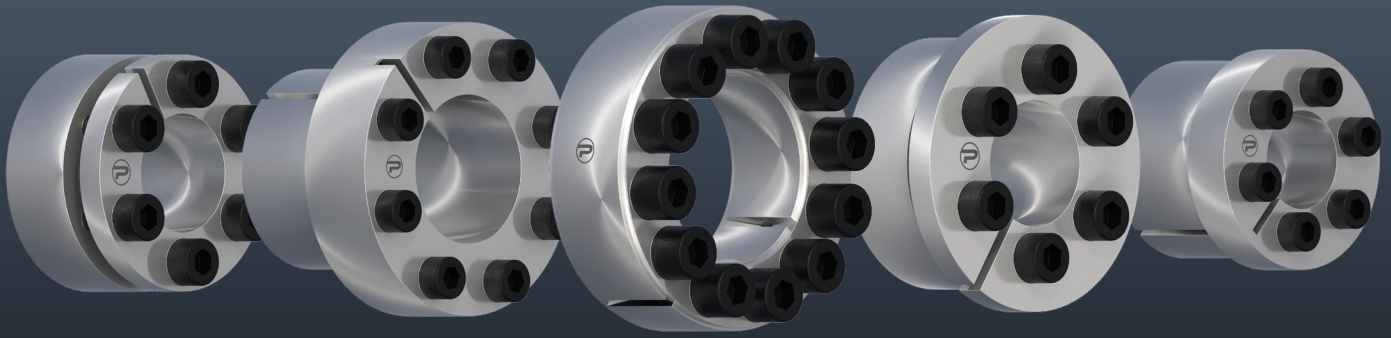




DATASHEET: LOCKING ELEMENTS

Easy installed and reliable keyless locking devices. Maintaining precise alignment enhances efficiency, reduces maintenance needs, and improves safety. Protorque locking devices ensure a secure and reliable connection between rotating components, preventing slippage and misalignment

Properties



Maintenance-free

Locking devices require little to no maintenance, reducing downtime, and associated costs.



Versatile

Adaptable to various size and types of products, locking devices suitable for a wide range of applications.



Easy Installation

Designed for easy installation. No key is needed in the shaft to transmit the torque.



Safe Connection

Locking devices ensure a secure and reliable connection between rotation components, preventing slippage and misalignment.

Product Information

- Not self-centring
- Low torque

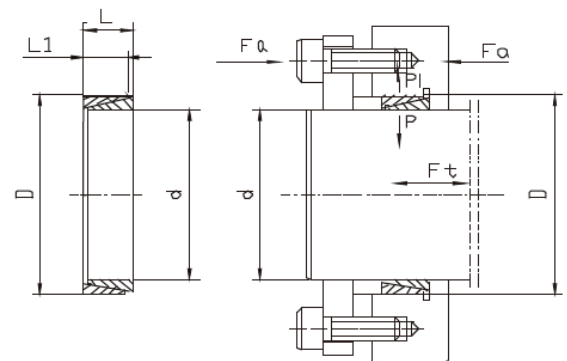
Recommended tolerance:

- Basic dimensions: $\leq 38\text{mm}$
- Shaft: h6
- Hub: H7

Basic dimensions:

- $\geq 40\text{mm}$
- Shaft: h8
- Hub: H8

Type 03



ød (mm)	øD (mm)	L1 (mm)	L (mm)	Loaded axial pressure Fa (kN)	Transmitted axial force FT (kN)	Transmitted torque MT (Nm)	Contacting pressure shaft P N/mm ²	Contacting pressure hub P1 N/mm ²
8	11	3.7	4.5	5.0	1.06	4.2	100	70
9	12	3.7	4.5	13.3	1.29	5.8	100	79
10	13	3.7	4.5	14.4	1.53	7.6	100	86
12	15	3.7	4.5	14.5	1.65	9.9	100	80
13	16	3.7	4.5	14.6	1.76	11.5	100	81
14	18	5.3	6.3	23.8	2.70	18.9	100	77
15	19	5.3	6.3	24.3	2.94	22.1	100	79
16	20	5.3	6.3	24.5	3.18	25.4	100	81
17	21	5.3	6.3	24.9	3.29	28.0	100	80
18	22	5.3	6.3	25.3	3.53	31.8	100	82
19	24	5.3	6.3	29.7	3.76	35.8	100	80
20	25	5.3	6.3	30.1	3.88	38.8	100	79
22	26	5.3	6.3	28.9	4.35	47.9	100	86
24	28	5.3	6.3	30.0	4.70	56.4	100	86
25	30	5.3	6.3	32.4	4.94	61.7	100	84
28	32	5.3	6.3	32.6	5.53	77.4	100	88
30	35	5.3	6.3	35.5	5.88	88.2	100	86
32	36	5.3	6.3	36.7	6.23	100	100	88
35	40	6.0	7.0	45.7	7.76	136	100	88
36	42	6.0	7.0	48.2	8.00	144	100	86
38	44	6.0	7.0	49.7	8.47	161	100	87
40	45	6.6	8.0	58.8	9.8	195	100	89
42	48	6.6	8.0	62.6	10.2	215	100	87
45	52	8.6	10	92.2	14.3	323	100	87
48	55	8.6	10	94.6	15.3	367	100	88
50	57	8.6	10	96.5	15.9	397	100	88
55	62	8.6	10	101.8	17.4	479	100	88
56	64	10.4	12	128.4	21.5	603	100	88
60	68	10.4	12	133.4	23.0	691	100	88
63	71	10.4	12	137.3	24.2	763	100	89
65	73	10.4	12	140.4	25.0	814	100	89
70	79	12.2	14	176	31.6	1107	100	89
71	80	12.2	14	178	32	1136	100	89
75	84	12.2	14	189.6	33.8	1266	100	89
80	91	15.0	17	251	44.2	1769	100	88
90	101	15.0	17	272.4	49.9	2244	100	89
100	114	18.7	21	377.7	69	3452	100	88
110	124	18.7	21	415	76	4178	100	89
120	134	18.7	21	440.2	82.8	4967	100	89
130	148	25.3	28	654.2	121	7896	100	88
140	158	25.3	28	689	131	9146	100	89
150	168	25.3	28	727.5	140	10505	100	89
160	178	25.3	28	764.5	149	11948	100	90
170	191	30	33	982.5	188	16014	100	89
180	201	30	33	1027.2	199	17950	100	90
190	211	30	33	1071	210	19987	100	90
200	224	34.8	38	1314	257	25696	100	89
210	234	34.8	38	1366	270	28326	100	90
220	244	34.8	38	1420	283	31098	100	90
230	257	39.5	43	1705	335	38570	100	89
240	267	39.5	43	1767	351	42068	100	90
250	280	44	48	2060	407	50906	100	90
260	290	44	48	2132	425	55205	100	90
270	300	44	48	2207	442	59678	100	91
280	313	49	53	2536	507	71072	100	90
290	323	49	53	2632	525	76103	100	90
300	333	49	53	2704	542	81338	100	90
320	360	59	65	3492	697	111504	100	89
340	380	59	65	3672	740	125870	100	89
360	400	59	65	3858	784	141106	100	90
380	420	59	65	4069	828	157235	100	90
400	440	59	65	4256	871	174213	100	91
420	460	59	65	4444	915	192085	100	91
440	480	59	65	4634	958	210805	100	92