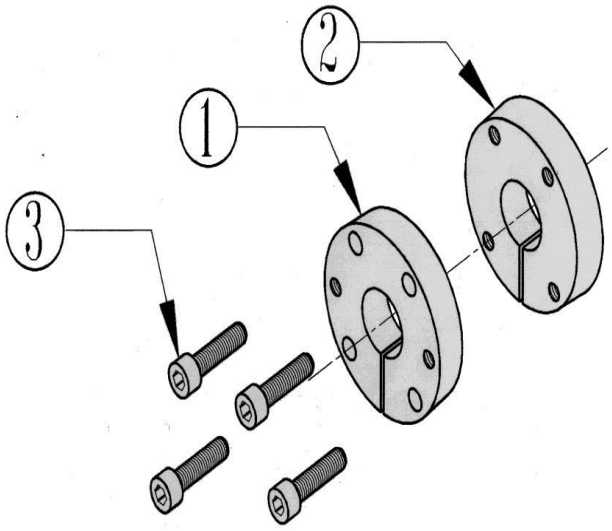
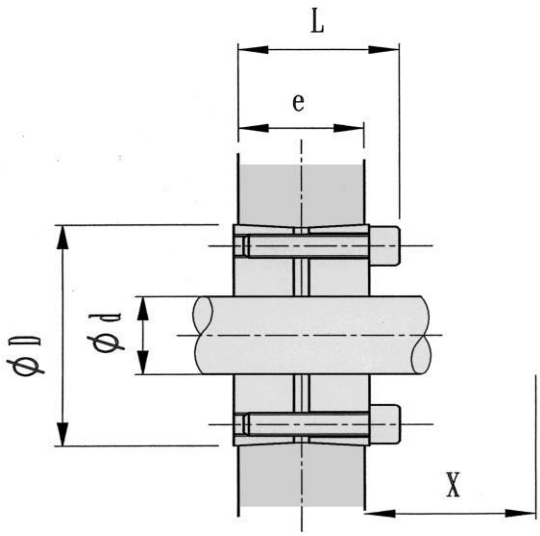
1 : front cone
2 : back cone
3 : tightening screw (and removing)





Function

Allow to install a component on a shaft. It makes synchronisation, indexing and axial positioning easier. It can be installed on both sides

General Characteristics

- Mild-hard steel
- No working temperatur limit
- Easier Installation and removal
- Shaft tolerance : h8

Technical Characteristics

(11.08) 28.20 SCL				
4 tightening screw ChcM3x20, key of 2.5 Tightening torque Cs=1.2mN				
Ø d	transmitted torque (mN)	Ø D	L	e
14	69	38.5	23	20
19	94	38.5	23	20
20	99	38.5	23	20
Dimension for installation and removal X=25				

(12.10) 30.25 SCL				
4 tightening screw ChcM4x25, key of 3 Tightening torque Cs=3mN				
Ø d	transmission torque (mN)	Ø D	L	e
14	119	47.9	29	25
19	161	47.9	29	25
20	170	47.9	29	25
24	203	47.9	29	25
25	212	47.9	29	25
Dimension for installation and removal X=31				

(16.10) 40.25 SCL				
4 tightening screw ChcM6x25, key of 5 Tightening torque Cs=10mN				
Ø d	transmitted torque (mN)	Ø D	L	e
19	232	57.4	31	25
20	244	57.4	31	25
24	293	57.4	31	25
25	305	57.4	31	25
28	342	57.4	31	25
30	366	57.4	31	25
35	427	57.4	31	25
Dimension for installation and removal X=39				

(20.12) 50.30 SCL				
4 tightening screw ChcM6x30, key of 5 Tightening torque Cs=10mN				
Ø d	transmitted torque (mN)	Ø D	L	e
25	304	70.1	36	30
28	341	70.1	36	30
30	365	70.1	36	30
35	426	70.1	36	30
38	462	70.1	36	30
40	487	70.1	36	30
42	511	70.1	36	30
Dimension for installation and removal X=39				

(25.17) 65.45 SCL				
4 tightening screw ChcM8x45, key of 6 Tightening torque Cs=23mN				
Ø d	transmitted torque (mN)	Ø D	L	e
35	643	86	53	45
38	698	86	53	45
40	735	86	53	45
42	772	86	53	45
45	827	86	53	45
48	882	86	53	45
50	919	86	53	45
55	1011	86	53	45
Dimension for installation and removal X=55				

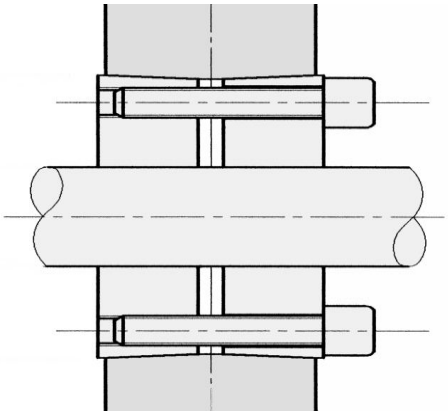
Installation guide

- The torque is transmitted by friction. All the surfaces in contact (cone and bore) must be clean and can be oiled a little. Do not use oil with bisulfure of molybdene.
- Install the back cone (2) on shaft.
- Install the component on the back cone.
- Install the front cone (1). The slot of the back cone and front cone must be aligned.
- Tighten alternately the screws (3) until you obtain the torque Cs.

Removal guide

- Untighten the 4 screws and place two of them in the threaded holes of the front cone (1) .
- Tighten alternately these 2 screws to remove the front and back cone.

Installation



Removal