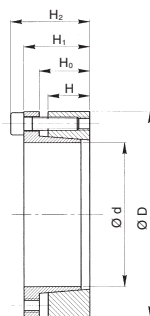


SIT-LOCK® 12 - Self-Centering

SIT-LOCK® 12 is self-centering unit and convenient series. It is suggested for large quantities in applications with medium torques.



Installation

Carefully clean contact surfaces of shaft and hub. Then, lightly oil both surfaces with standard mineral oil. Position the SIT-LOCK® on the shaft and into the hub machined bore. Align them as required by the application. Gradually and uniformly tighten the locking screws to the tightening torque (Ms).

You must tighten the screws in diametrically opposite sequence in stages:

- hand tighten the screws until the surfaces are in contact

Removal

Gradually loosen all locking screws. Remove and transfer the screws into the releasing tapped holes and tighten them until the SIT-LOCK® is released.

- carefully check the position of the hub on the shaft
- tighten the screws to half the value of the tightening torque (Ms) stated in the catalogue
- repeat the operation until the tightening torque is reached using the dynamometric screw-driver
- check every locking screw to insure it has been tightened to the specific tightening torque

Do not use lubricant like "Molykote" or molybdenum disulfide based oils.

Note: To reuse the locking element, carefully oil the screws and the conical surfaces, then follow installation instructions.

Maximum allowable roughness
Rt 16 µm
Maximum recommended tolerance
shaft h 8 - hub H 8

Dimensions [mm]					Performances		Pressure [N/mm²]		Clamping screws (DIN 912 - 12,9)		
d x D	H	H0	H1	H2	M _T [Nm]	F _{ax} [kN]	p _w	p _n	N°	Type	M _s [Nm]
18 x 40	12	15	20	24	210	24	235	130	6	M4	5
19 x 41	12	15	20	24	220	24	220	128	6	M4	5
20 x 42	12	15	20	24	270	28	245	145	7	M4	5
22 x 44	12	15	20	24	300	28	225	140	7	M4	5
24 x 46	12	15	20	24	330	28	205	135	7	M4	5
25 x 47	12	15	20	24	340	28	195	130	7	M4	5
28 x 50	12	15	20	24	500	36	225	155	9	M4	5
30 x 52	12	15	20	24	530	36	210	151	9	M4	5
32 x 54	12	15	20	24	570	36	197	146	9	M4	5
35 x 57	16	19	24	28	690	40	158	115	10	M4	5
36 x 58	16	19	24	28	710	40	155	113	10	M4	5
38 x 60	16	19	24	28	830	44	160	120	11	M4	5
40 x 62	16	19	24	28	870	44	150	116	11	M4	5
42 x 70	19	23	30	36	1.530	73	200	146	8	M6	17
45 x 73	19	23	30	36	1.640	73	185	140	8	M6	17
48 x 76	19	23	30	36	1.750	73	175	134	8	M6	17
50 x 78	19	23	30	36	1.820	73	165	131	8	M6	17
55 x 83	19	23	30	36	2.000	73	150	123	8	M6	17
56 x 84	19	23	30	36	2.040	73	150	120	8	M6	17
60 x 88	19	23	30	36	2.460	82	158	130	9	M6	17
63 x 91	19	23	30	36	2.580	82	150	125	9	M6	17
65 x 93	19	23	30	36	2.660	82	140	120	9	M6	17
70 x 105	23	28	37	45	4.720	135	18,0	148	8	M8	41
75 x 110	23	28	37	45	5.050	135	170	140	8	M8	41
80 x 115	23	28	37	45	5.390	135	160	135	8	M8	41
85 x 120	23	28	37	45	5.730	135	150	130	8	M8	41
90 x 125	23	28	37	45	7.580	169	170	156	10	M8	41

M _S	Screw tightening torque	Nm
M _T	Transmissible torque moment	Nm
F _{ax}	Transmissible axial load	N