

Locking Assembly RfN 7012/RfN 7012-IN · Typical installation

## Characteristics

As the industry standard, the RfN 7012/RfN 7012-IN Locking Assembly is suitable for most applications.

**Transmission of high loads** – up to 4 RfN 7012/RfN 7012-IN Locking Assemblies can be used in series, the transmissible torques and axial forces are added. (Please contact our specialists for assistance).

**Bending moment and radial loads** – Combined loads can be transmitted. (Please contact our specialists for assistance).

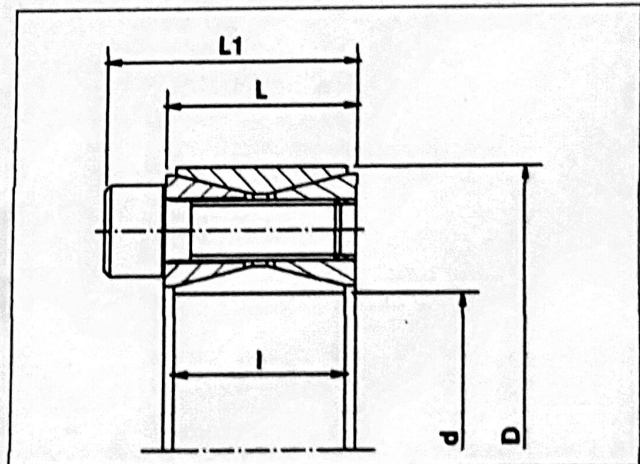
**Simplified manufacture** – RfN 7012/RfN 7012-IN Locking Assemblies can bridge large clearances without the loss of transmission values.

**Low risk to contamination** – During the tightening process the functional surfaces of the device are under pressure, sufficient enough to keep contaminants out, thereby preserving the integrity of the device.

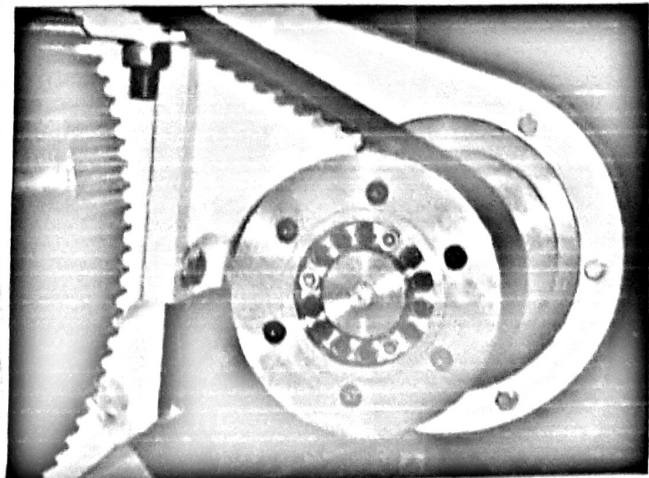
**Adjustable transmission values** – The screw tightening torque can be varied, thus allowing for different torque transmission values. RfN 7012/RfN 7012-IN Locking Assemblies can be tightened and released repeatedly.

## Example applications:

sprockets, gears, coupling hubs, conveyor pulleys, idler wheels, sheaves



Locking Assembly RfN 7012/RfN 7012-IN · Dimensions



Locking Assembly RfN 7012/RfN 7012-IN · Belt pulley

KAAMP

Locking Assembly dimensions								Transmissible torques or axial forces		Surface Pressure		Locking screws DIN EN ISO 4762-12.9				Weight		min. D <sub>N</sub> *		
d x D	d	C <sub>1</sub>	D	C <sub>2</sub>	L	I	L <sub>1</sub>	T	F <sub>ax</sub>	P <sub>w</sub>	P <sub>N</sub>	n	d <sub>G</sub>	s	T <sub>A</sub>	WT	d <sub>D</sub>	Rp0.2[psi]		
Inch	Inch							lb-ft	lbs	psi			mm		lb-ft	lbs	mm	Inch		
3/4	0.750	+0	1.850	-0	0.787	0.669	1.083	225	7200	35000	14200	8	M6x18	5	13	0.5	M8	2.565	2.385	2.227
1	1.000	-0.002	1.968	+0.002	0.787	0.669	1.083	337	8088	33000	16800	9	M6x18	5	13	0.6	M8	2.915	2.679	2.454
1 1/8	1.125		2.165		0.787	0.669	1.083	424	9045	30000	15600	10	M6x18	5	13	0.7	M8	3.108	2.878	2.655
1 3/16	1.1875		2.150		0.813	0.688	1.108	445	8904	31000	17100	10	M6x18	5	13	0.7	M8	3.221	2.955	2.702
1 1/4	1.250		2.362		0.787	0.669	1.083	459	8613	35000	18600	12	M6x18	5	13	0.7	M8	3.898	3.330	3.017
1 3/8	1.375		2.365		0.776	0.669	1.071	622	10857	32000	18700	12	M6x18	5	13	0.7	M8	3.681	3.341	3.025
1 7/16	1.4375		2.550		0.787	0.669	1.083	748	12498	35000	19700	15	M6x18	5	13	0.8	M8	4.082	3.688	3.318
1 1/2	1.500	+0	2.550	-0	0.787	0.669	1.083	782	12512	33500	19700	15	M6x18	5	13	0.8	M8	4.082	3.688	3.318
1 5/8	1.625	-0.0025	2.953	+0.0025	0.945	0.787	1.319	1273	18901	39000	21500	12	M8x22	6	30	1.3	M10	4.968	4.417	3.926
1 11/16	1.6875		2.953		0.945	0.787	1.319	1320	18773	34000	18500	12	M8x22	6	30	1.3	M10	4.696	4.240	3.819
1 3/4	1.750		2.953		0.945	0.787	1.319	1368	18761	36000	21400	12	M8x22	6	30	1.3	M10	4.953	4.408	3.921
1 7/8	1.875		3.190		0.945	0.787	1.319	1454	18611	34000	20300	12	M8x22	6	30	1.4	M10	5.122	4.587	4.118
1 15/16	1.9375		3.190		0.945	0.787	1.319	1498	18556	32000	19700	12	M8x22	6	30	1.4	M10	5.037	4.541	4.085
2	2.000		3.348		0.945	0.787	1.318	1808	21896	37000	22200	14	M8x22	6	30	1.4	M10	5.744	5.079	4.483
2 1/8	2.125		3.348		0.945	0.787	1.319	1919	21673	35000	22300	14	M8x22	6	30	1.4	M10	5.781	5.090	4.499
2 3/16	2.1875		3.543		0.945	0.787	1.319	1971	21825	34000	21000	14	M8x22	6	30	1.5	M10	5.875	5.245	4.878
2 1/4	2.250		3.543		0.945	0.787	1.319	2023	21579	32000	20400	14	M8x22	6	30	1.5	M10	5.777	5.181	4.639
2 3/8	2.375		3.531		0.998	0.787	1.370	2127	21494	30500	20600	14	M8x22	6	30	1.5	M10	5.790	5.184	4.638
2 7/16	2.4375		3.740		0.945	0.787	1.319	2497	24586	34000	22200	16	M8x22	6	30	1.6	M10	6.421	5.677	5.022
2 1/2	2.500		3.740		0.945	0.787	1.319	2556	24538	33000	22100	16	M8x22	6	30	1.6	M10	6.402	5.665	5.015
2 5/8	2.625		3.927		0.950	0.787	1.333	2617	24510	32000	22000	16	M8x22	6	30	1.6	M10	6.378	5.649	5.004