

Complete Freewheels FA

with lever arm

with sprags and grease lubrication

RINGSPANN®



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Application as

- ▶ Backstop
- ▶ Indexing Freewheel

For application as backstop in installations with low speeds in freewheeling operation. For application as indexing freewheel in installations with low to medium total number of actuations.

Features

Complete Freewheels FA with lever arm are sprag freewheels with sleeve bearings. They are grease-lubricated and therefore maintenance-free.

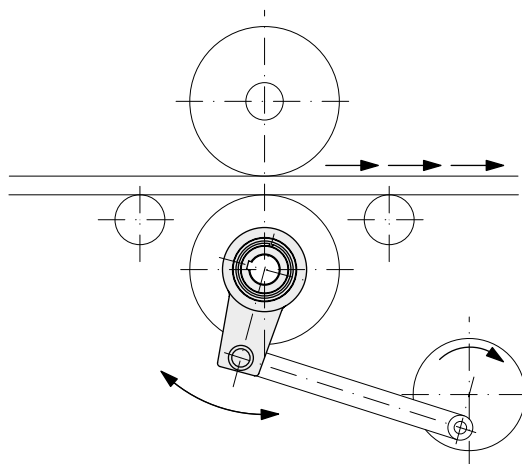
Besides the standard type, the type with RIDUVIT® is available for extended service life.

Nominal torques up to 2500 Nm.

Bores up to 85 mm. A multitude of standardized bore diameters are available with short delivery times.

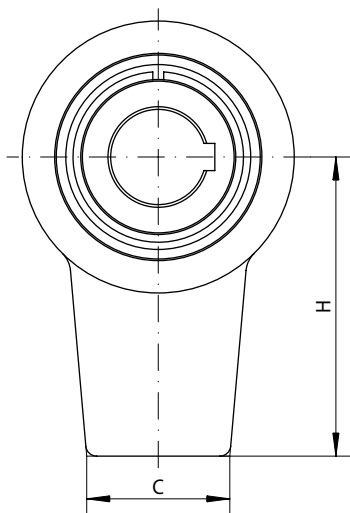
Application example

Complete Freewheel FA 82 SFT as an indexing freewheel for the material feed of a punch. The freewheel is driven by a bell crank. The RIDUVIT® sprags give the freewheel an extended service life.

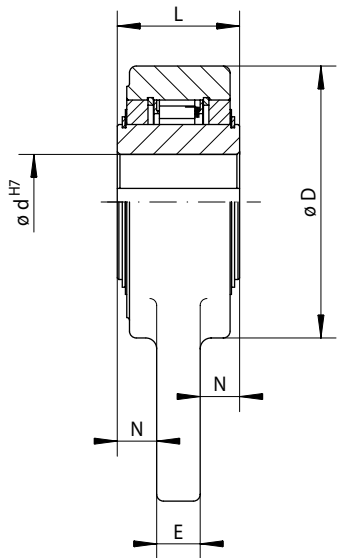


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with lever arm
with sprags and grease lubrication



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Indexing Freewheel

Backstop



Standard type For universal use				Type with RIDUVIT® For extended service life with coated sprags			Dimensions									

Freewheel Size	Type	Nominal torque	Max. speed Inner ring freewheels	Type	Nominal torque	Max. speed Inner ring freewheels	Bore d		C	D	E	H	L	N	Weight
		M _N Nm	min ⁻¹		M _N Nm	min ⁻¹	Standard	max.							
							mm	mm	mm	mm	mm	mm	mm	mm	kg
FA 37	SF	230	250	SFT	230	500	20	25*	35	76	12	90	35	11,5	1,0
FA 57	SF	630	170	SFT	630	340	40	42*	50	100	16	125	45	14,5	2,5
FA 82	SF	1600	130	SFT	1600	260	50	65*	60	140	18	160	60	21,0	5,5
FA 107	SF	2500	90	SFT	2500	180	70	85*	80	170	20	180	65	22,5	8,5

The maximum transmissible torque is 2 times the specified nominal torque. See page 14 for determination of selection torque.
Keyway according to DIN 6885, page 1 • Tolerance of keyway width JS10.
* Keyway according to DIN 6885, page 3 • Tolerance of keyway width JS10.

Mounting

When used as a backstop, the backdriving torque is supported by the lever arm. The lever arm must not be clamped into position. It must have 0.5 to 2 mm play in the axial and radial directions.

When used as an indexing freewheel, the lever arm serves as the indexing lever.

The lever arm is not heat treated enabling the customer to provide their own holes.

The tolerance of the shaft must be ISO h6 or j6.

Example for ordering

Freewheel size FA 57, type with RIDUVIT® and 40 mm bore:

- FA 57 SFT, d = 40 mm