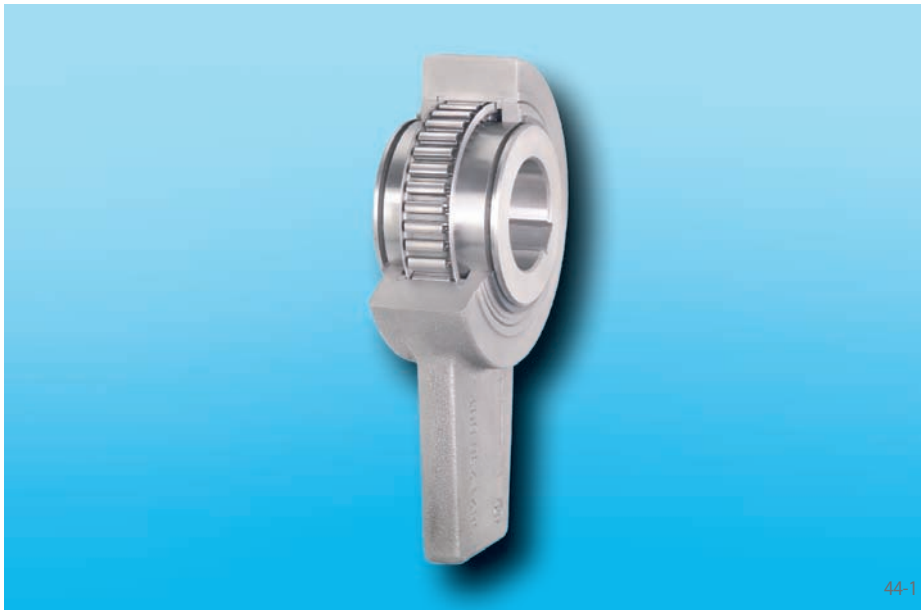# Complete Freewheels FA

with lever arm
with sprags and grease lubrication

44-1

44-2

Features

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

The freewheels FA are used as:

▶ Backstops
▶ Indexing Freewheels

for applications with low speed freewheeling operation when used as a backstop or with a low to medium total number of actuations when used as an indexing freewheel.
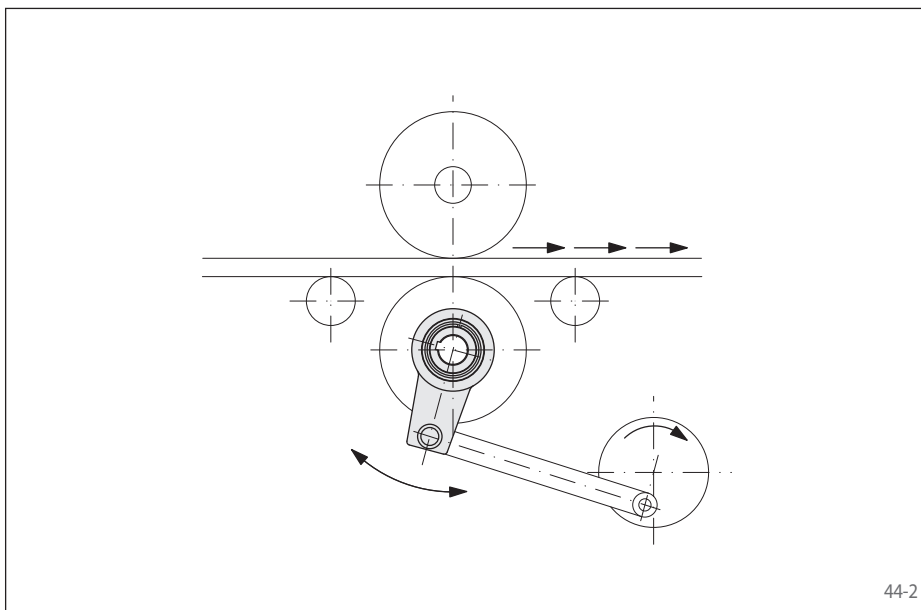
In addition the standard type, two other types are available for extended service life and indexing accuracy.

Nominal torques up to 2 500 Nm.

Bores up to 85 mm.

Application example

Complete Freewheel FA 82 SFP as an indexing freewheel for the material feed of a punch. The freewheel is driven by a bell crank. The type with P-grinding does not just give the freewheel an increased service life, but also an increased indexing accuracy.
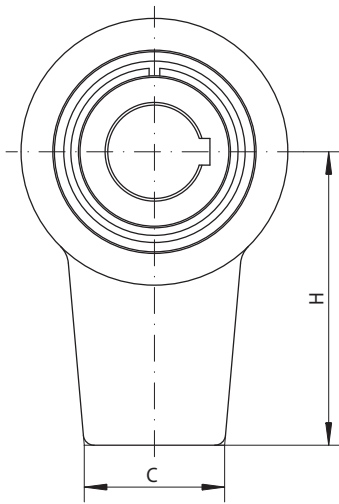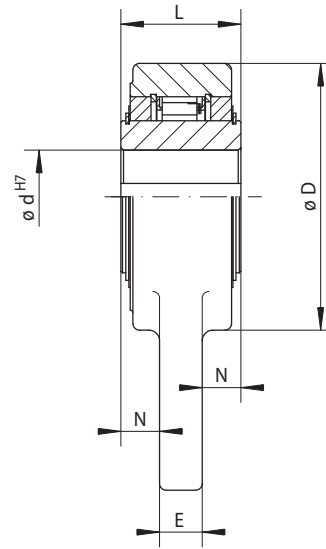
Complete Freewheels FA

with lever arm
with sprags and grease lubrication

45-1

45-2

Indexing Freewheel	Backstop	Standard type For universal use			Type with RIDUVIT® For extended service life with coated sprags			Type with P-grinding For extended service life and indexing accuracy		Dimensions								

Freewheel Size	Type	Nominal Torque Nm	Max. speed Inner ring freewheels min⁻¹	Type	Nominal Torque Nm	Max. speed Inner ring freewheels min⁻¹	Type	Nominal Torque Nm	Bore d Standard mm			Bore d max. mm	C mm	D mm	E mm	H mm	L mm	N mm	Weight kg
FA 37	SF	230	250	SFT	230	500	SFP	120	20	22	25	25*	35	76	12	90	35	11,5	1,0
FA 57	SF	630	170	SFT	630	340	SFP	320	30	35	40	42*	50	100	16	125	45	14,5	2,5
FA 82	SF	1600	130	SFT	1600	260	SFP	900	50	55		65*	60	140	18	160	60	21,0	5,5
FA 107	SF	2500	90	SFT	2500	180	SFP	1350	70	80		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