

Complete Freewheels FAV

with lever arm

with rollers 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

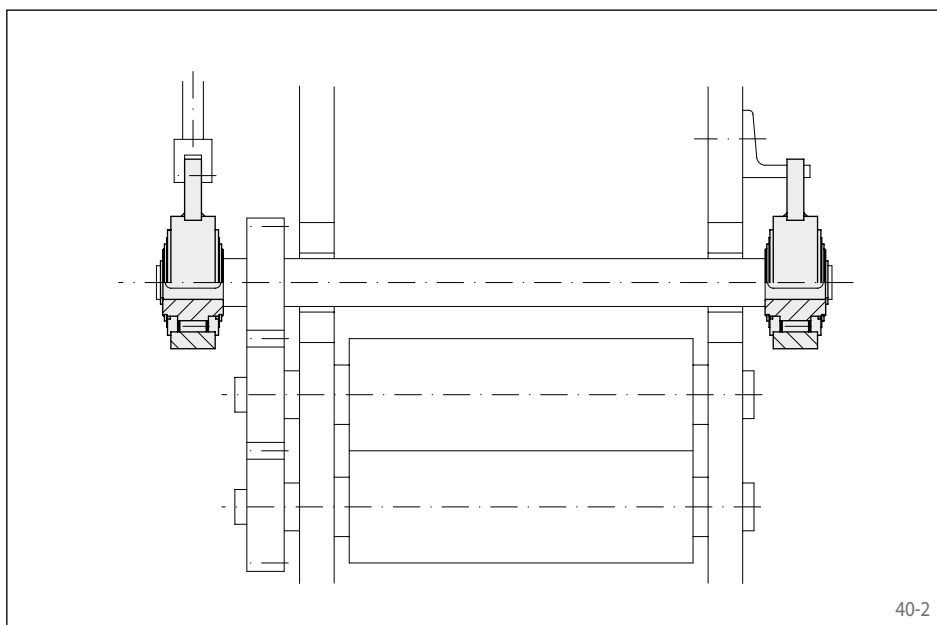
Complete Freewheels FAV with lever arm are roller freewheels with sleeve bearings. They are grease-lubricated and therefore maintenance-free.

Nominal torques up to 2500 Nm.

Bores up to 80 mm.

Application example

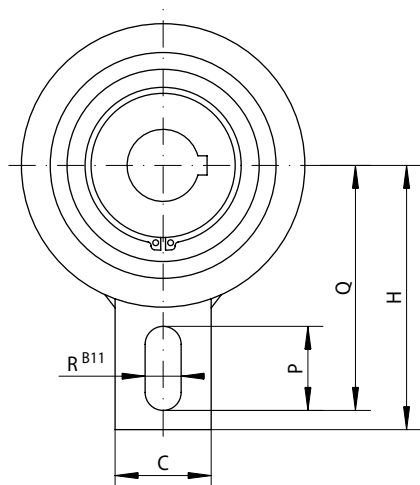
Two Complete Freewheels FAV 50 in the roller feed of a sheet metal processing machine. The indexing freewheel arranged on the left is driven via a bell crank with an adjustable lift. This enables an infinite setting of the feed. The backstop arranged on the right prevents the indexing rollers from running backwards while the indexing freewheel carries out its back stroke. Often, an additional small brake is provided in order to prevent the accelerated sheet metal strip from advancing.



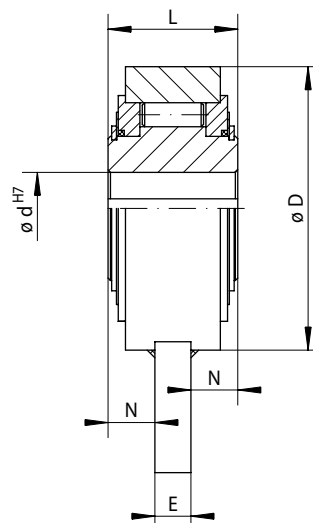
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with lever arm

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Indexing Freewheel Backstop	Standard type For universal use	Dimensions

Freewheel Size	Nominal torque M_N Nm	Max. speed Inner ring freewheels min ⁻¹	Bore d mm	C mm	D mm	E mm	H mm	L mm	N mm	P mm	Q mm	R mm	Weight kg
FAV 20	220	500	20	40	83	12	90	35	11,5	35	85	15	1,3
FAV 25	220	500	25	40	83	12	90	35	11,5	35	85	15	1,3
FAV 30	1025	350	30	40	118	15	110	54	19,5	35	102	15	3,5
FAV 35	1025	350	35	40	118	15	110	54	19,5	35	102	15	3,4
FAV 40	1025	350	40	40	118	15	110	54	19,5	35	102	15	3,3
FAV 45	1600	250	45	80	155	20	140	54	17,0	35	130	18	5,5
FAV 50	1600	250	50	80	155	20	140	54	17,0	35	130	18	5,4
FAV 55	1600	250	55	80	155	20	140	54	17,0	35	130	18	5,3
FAV 60	1600	250	60	80	155	20	140	54	17,0	35	130	18	5,2
FAV 70	1600	250	70	80	155	20	140	54	17,0	35	130	18	5,0
FAV 80	2500	220	80	80	190	20	155	64	22,0	40	145	20	9,0

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.

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 tolerance of the shaft must be ISO h6 or j6.

Example for ordering

Freewheel size FAV 60, standard type:

- FAV 60