

Self-Contained Freewheels

AV



TYPE

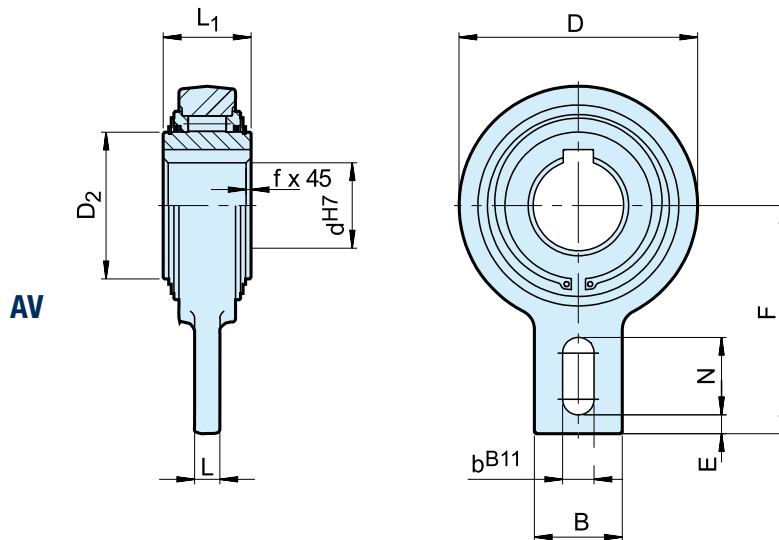


Type AV is a roller type freewheel. It is self-contained, centered by plain bearings for low rotational speeds, and sealed using shield protected metallic labyrinth seals

Unit is delivered grease lubricated, ready to install in a horizontal or vertical position. Primarily used as a backstop, the torque capacity is high for a minimum space requirement. This design is suitable for use in difficult environments. A bolt, secured to a fixed part of

the machine and passing through the slot in the torque arm, provides the rotational stop. Radial clearance on this bolt should be equal to 1–3 % of the slot width.

The torque arm and the bearings must not be prestressed. The roller design makes the AV type ideal for light indexing applications.



Type	Size	Overrunning speed												Weight	Drag torque
	d_{H7} [mm]	$T_{KN}^{1)}$ [Nm]	n_{imax} [min ⁻¹]	D [mm]	D ₂ [mm]	L ₁ [mm]	L [mm]	B [mm]	F [mm]	bB11 [mm]	N [mm]	E [mm]	f [mm]	[kg]	T _R [Ncm]
AV	20	265	450	83	42	35	12	40	90	15	35	5	0,8	1,3	18
	25	265	450	83	42	35	12	40	90	15	35	5	0,8	1,3	18
	30	1200	320	118	60	54	15	40	110	15	35	8	1	3,5	130
	35	1200	320	118	60	54	15	40	110	15	35	8	1	3,4	130
	40	1200	320	118	60	54	15	40	110	15	35	8	1	3,3	130
	45	2150	280	155	90	54	20	80	140	18	47	10	1	5,5	240
	50	2150	280	155	90	54	20	80	140	18	47	10	1	5,4	240
	55	2150	280	155	90	54	20	80	140	18	47	10	1	5,3	240
	60	2150	280	155	90	54	20	80	140	18	47	10	1	5,2	240
	70	2150	280	155	90	54	20	80	140	18	47	10	1	5,0	240
	80	2900	200	190	110	64	20	80	155	20	40	10	1,5	8,7	360
	90*	7125	150	260	160	90	25	120	220	—	—	—	3	24,5	360
	100*	7125	150	260	160	90	25	120	220	—	—	—	3	23,5	360
	110*	7125	150	260	160	90	25	120	220	—	—	—	3	22,5	360
	120*	11000	130	300	180	110	30	140	260	—	—	—	3	42	600

NOTES

1) $T_{max} = 2 \times T_{KN}$
 » Refer to Selection page 7 to 11
 Keyway to DIN 6885.1

*) 2 Keyways 120° offset

» Refer to mounting and maintenance instructions
 page 12 to 13

MOUNTING EXAMPLE

