

External Holdback / Backstop Clutch NAS & NAR



NAS
Sprag Type

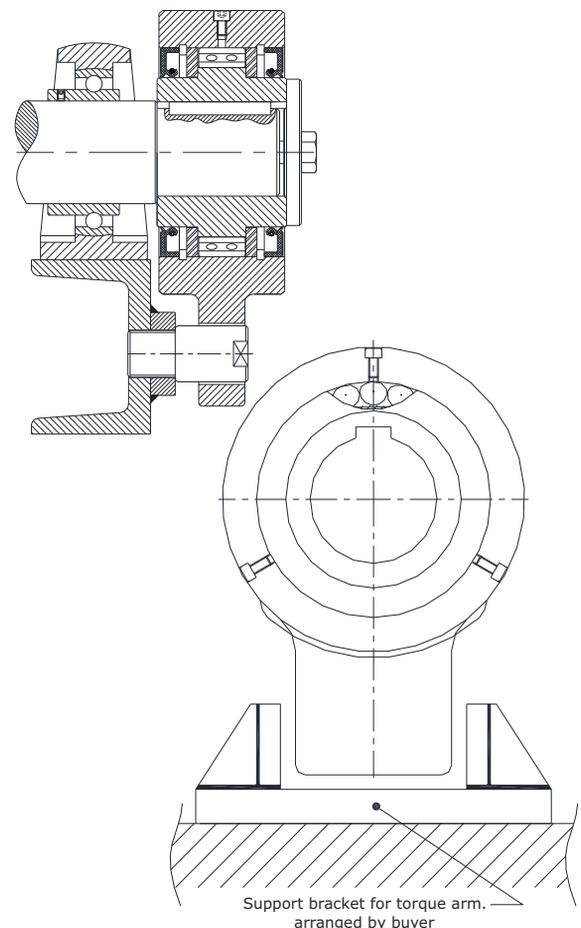


NAR
Roller Type

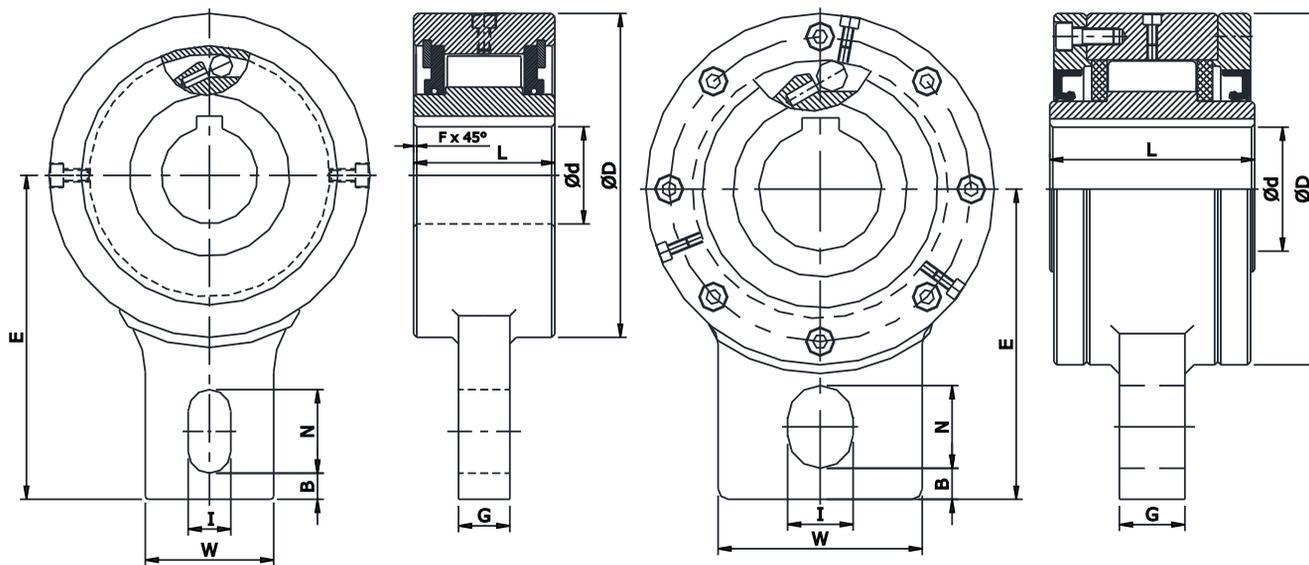
❖ **Features:**

- 1) NMTG NAS Model is Sprag type & NAR model is Roller type Free Wheel One-way clutch.
- 2) This type of Freewheel Clutch is without bearing type with Lever arm for Backstopping, So External Bearing Support must be required for Axial & Radial Loads.
- 3) Torque is transmitted to the inner race via a key and the outer race via the torque arm. Shaft tolerance must be h6.
- 4) The Backstop clutch should be fixed to the machine body by placing Support Bracket on either side of the torque arm or by using a pin or bolt in the slot. Note that a clearance of 1% of slot width is needed between torque arm and brackets or slot and pin. If a bolt is used instead of a pin it must not apply any axial loads to the torque arm.
- 5) This type of Freewheel Clutch is used in Inclined Conveyor, Bucket Elevator, etc. which are used in Outside Location (in very Dusty Environment).
- 6) Requires Grease Lubrication
- 7) Bore range : up to 95 mm
- 8) Transmitting torque : 8500 Nm

◆ **Mounting Example:**



NAR Roller Type



NAR 25 to NAR 120

NAR.s 60 & NAR.s 70

Model	d (H7) Over upto mm		Torque (Tn) Nm	Max. Overrunning Inner RPM	D mm	L mm	E mm	W mm	G mm	B mm	N mm	I mm	f mm	Weight kg
NAR 25	20	25	265	450	83	35	90	40	12	5	35	15	0.8	1.3
NAR 40	30	40	1200	320	118	54	110	40	15	8	35	15	1	3.3
NAR 70	45	70	2150	280	155	54	140	80	20	10	47	18	1	5
NAR 80	50	80	2900	200	190	64	155	80	20	10	40	20	1.5	8.7
NAR 110	90	110	7125	150	260	90	220	120	25	-	-	-	3	22.5
NAR 120	100	120	11000	130	300	110	260	140	30	-	-	-	3	42
NAR.s 60	40	60	1557	230	170	100	150	100	32	15	40	32	-	19
NAR.s 70	40	70	2350	200	190	115	175	100	32	19	42	32	-	24

Notes :

- 1) Function : Backstopping
- 2) Tmax = 2 x Tn.
- 3) Oil / Grease filled, ready to fit.
- 4) Shaft dia. is to be controlled within h6.

- 5) Keyway as per DIN 6885 - 1.
- 6) Other sizes on request.
- 7) All dimensions are in mm.
- 8) We manufacturing in inch series also.

Ordering Example :

- When ordering please specify bore dia.
- **NAR 25 - 20 mm Bore**

Dimensions/Design subject to modifications without any prior intimation.