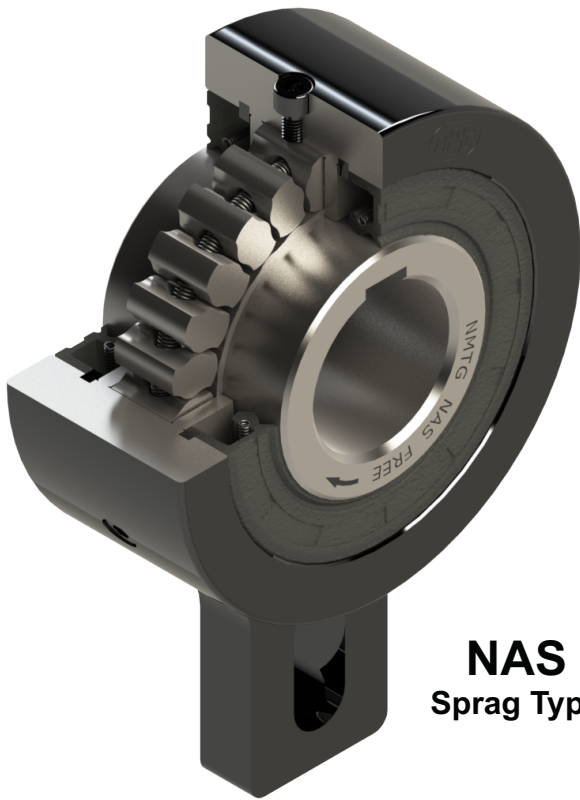
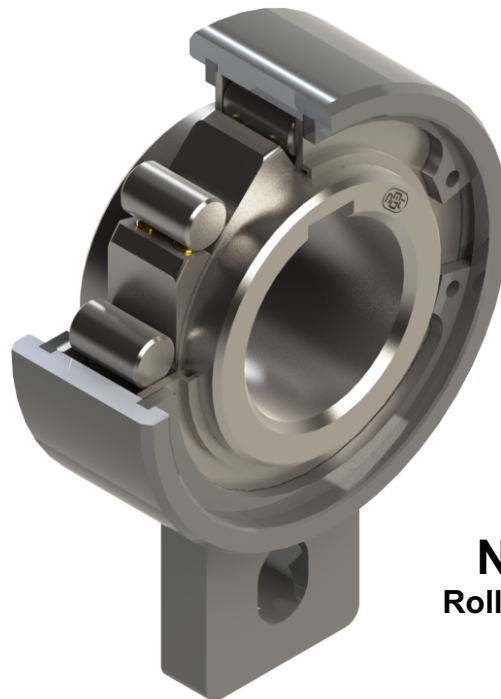


**External Holdback / Backstop Clutch
NAS & NAR**



NAS
Sprag Type

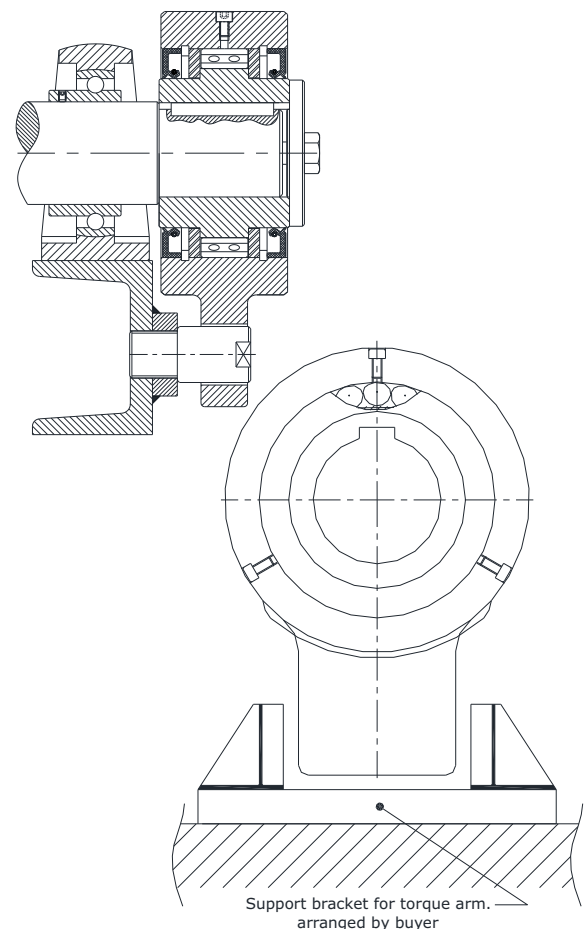


NAR
Roller Type

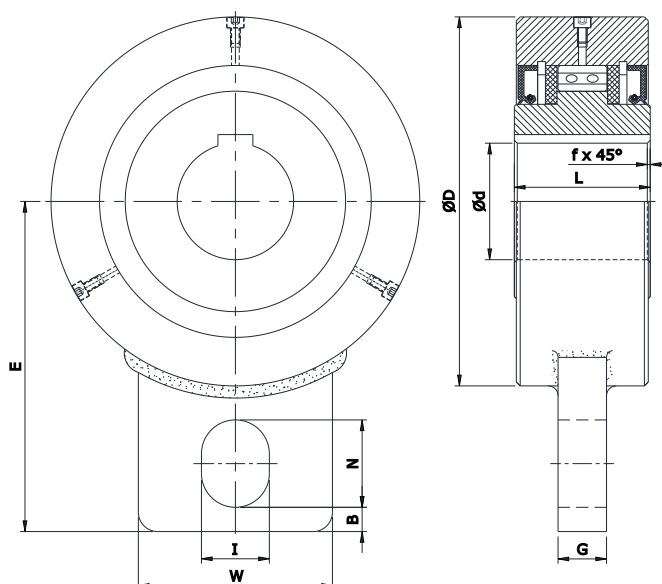
❖ **Features:**

- 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:**



NAS Sprag Type



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
NAS 25	15	25	460	450	83	35	90	40	12	5	35	15	0.8	1.4
NAS 35	20	35	606	400	106	48	113	40	15	10.5	35	18	1	2.4
NAS 40	25	40	2000	320	118	54	110	40	15	8	35	15	1	4
NAS 45	40	55	1295	300	132	52	125	60	15	10	35	18	1	4.4
NAS 50/70	40	70	3000	280	155	54	140	80	20	10	47	18	1	7
NAS 60	60	70	2550	250	161	54	140	70	15	10	35	18	2	6.4
NAS 65	50	70	5000	250	185	75	175	100	25	20	45	35	2	15
NAS 80	80	90	4875	200	190	70	165	70	20	15	45	25	2	9.8
NAS 90	70	90	5700	150	260	90	220	120	25	10	47	18	3	31.4
NAS.s 60	50	60	1050	250	170	65	145	100	25	10	40	32	1.5	12
NAS .s 70	50	75	5000	250	190	70	170	100	25	12.5	45	35	2	15.5
NAS.s 75	50	75	7500	250	190	85	170	100	25	12.5	45	35	2	17.7
NAS.s3 95	60	95	8500	250	210	100	207	110	30	23.5	57	50	3	23.5

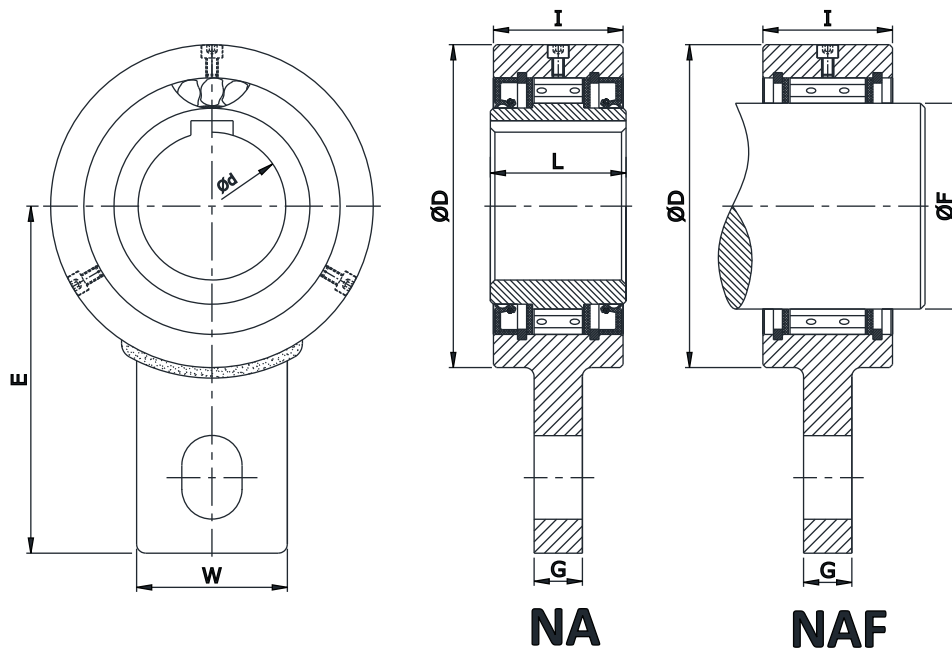
Notes :

- 1) Function : Backstopping
- 2) T_{max} = 2 x T_n.
- 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.
- NAS 25 - 20 mm Bore



Model	d (H7) Over up to mm		Torque (Tn) Nm	F mm	D mm	I mm	L mm	G mm	E mm	W mm	Weight	
	NA	NAF									kg	
NA 12 / NAF 12	-	12	65	21	52	24	25	10	80	30	0.46	0.42
NA 20 / NAF 20	15	20	160	33	68	24	25	10	85	30	0.69	0.58
NA 25 / NAF 25	20	25	220	39	73	34	35	12	90	35	1.09	0.88
NA 35 / NAF 35	25	35	450	51	88	34	35	12	105	35	1.52	1.15
NA 42 / NAF 42	38	50	630	68	102	43	45	16	115	50	2.50	1.74
NA 65 / NAF 65	50	65	1530	88	137	58	60	18	160	60	5.93	4.25
NA 85 / NAF 85	70	85	2440	108	167	78	80	20	180	80	11.04	8.11

Notes :

- 1) Function : Backstopping.
- 2) $T_{max} = 2 \times T_n$.
- 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.
- NA 12 - 12
- NAF 12 - 12

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