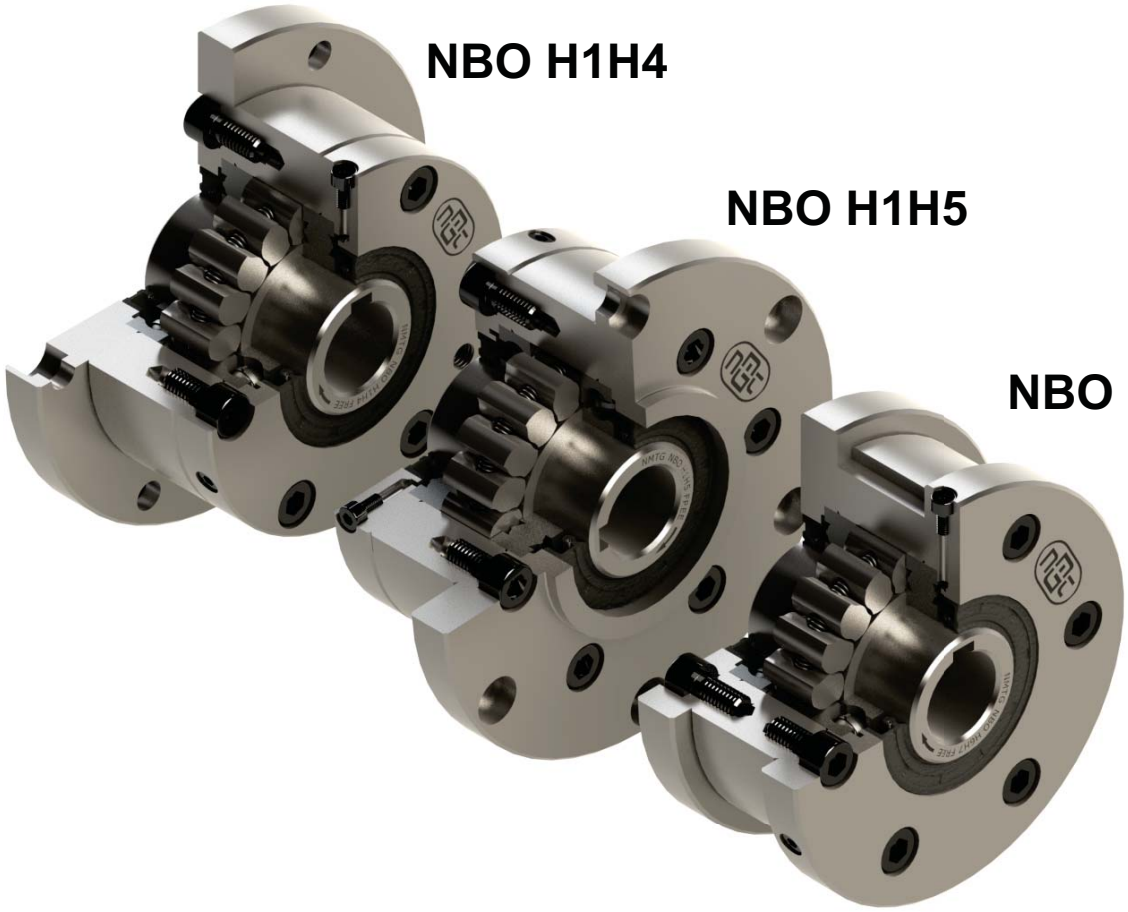
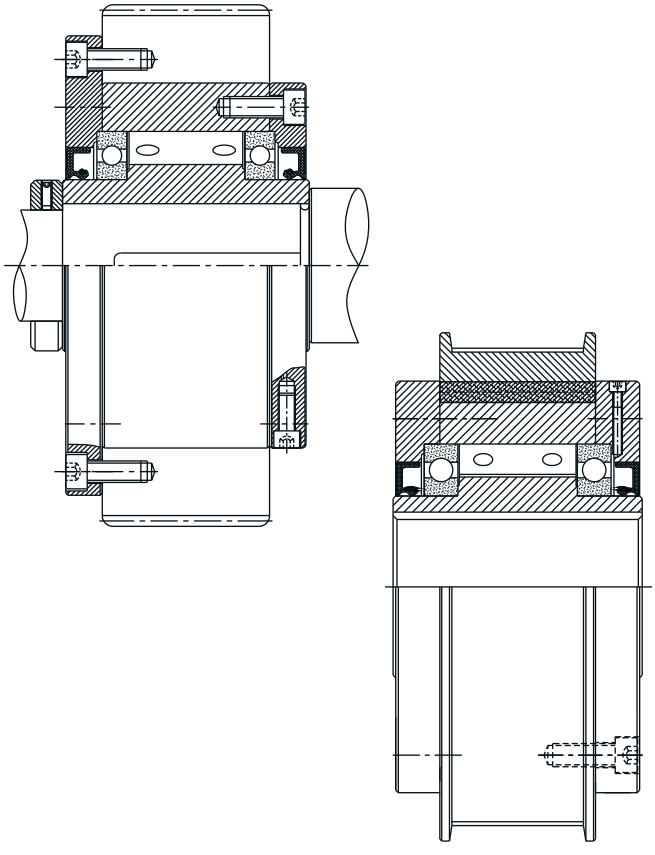
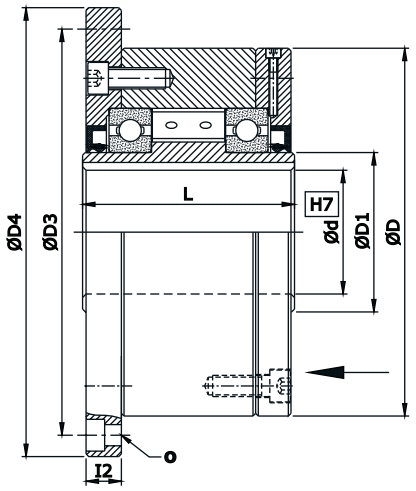


❖ **Features:**

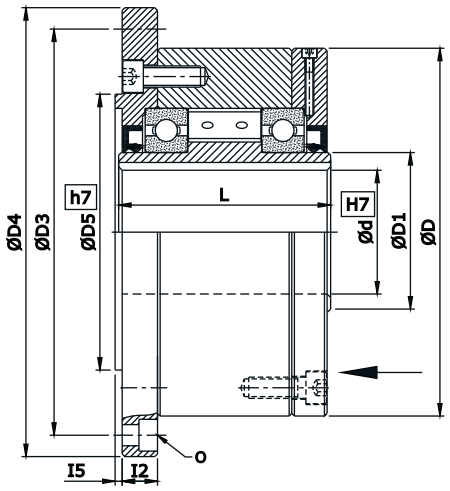
- This type of Freewheel Clutch is designed with ball bearings to be assembled with customer connecting parts.
- Component mounted onto the Outside diameter of Outer race should be bored to H7 Tolerance.
- This type of Combinations are used as Backstops, in which H1 Cover act as End Cover & H4 as a Flange type Cover & H5 as a Spigot type flange Cover.
- Requires Oil Lubrication.
- Bore range: up to 300 mm.
- Transmitting torque: 160000 Nm.

◆ **Mounting Example:**

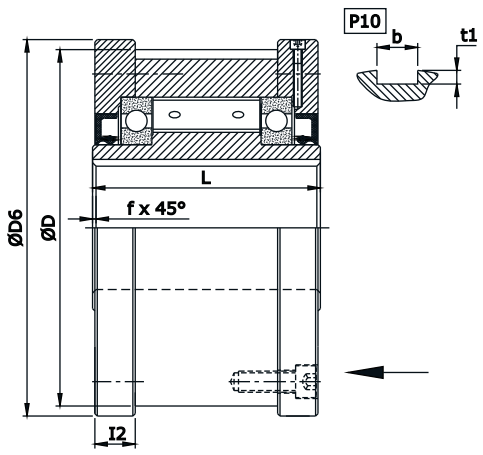




NBO H1H4



NBO H1H5



NBO H6H7

Model	Bore d		Max. Overrunning		Nominal Torque (Tn)	D	D1	L	D4	D3	D6	I2	D5	I5	t1	b^{P10}	O	f	Weight (approx.)		
	Std.	Max.	Inner	Outer															H1H4	H1H5	H6H7
	mm		RPM		Nm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		
NBO 37	20	22*	2500	2600	200	85	30	48	118	104	99	11.5	68	3	4	8	6.6 x 4	1	2.1	2.3	2
NBO 44	25*	25*	1900	2200	320	95	35	50	128	114	109	11.5	75	3	4	8	6.6 x 6	1	2.8	3.1	2.7
NBO 57	30	32*	1400	1750	630	112	45	65	140	124	119	13.5	80	3.5	5	10	6.6 x 6	1	4.1	4.5	3.7
NBO 72	40	42*	1120	1600	1250	132	55	74	165	146	140	15.5	95	3.5	5.5	14	9 x 8	1.5	6.7	7.2	6.1
NBO 82	50*	50*	1025	1450	1800	145	65	75	185	166	160	14	110	4	5.5	14	9 x 8	1.5	7.9	8.6	7.3
NBO 107	60	65*	880	1250	2500	170	80	90	214	192	182	17	125	4	7	18	11 x 10	2	14.1	15	12.5
NBO 127	70	75*	800	1150	5000	204	95	112	254	232	222	21	160	4	9	22	11 x 10	2.5	23.6	24.9	22.6
NBO 140	90	95*	750	1100	10000	254	120	150	335	305	282	30	210	5	10	28	18 x 10	3	58.2	61	52.6
NBO 200	120	120	630	900	20000	320	160	160	380	345	322	29	240	5	11	32	18 x 12	3	80	83	70.7
NBO 270	140	150	510	750	40000	420	200	212	500	460	450	53	310	6	12	36	22 x 12	4	209	217	202
NBO 340	180	240	460	630	80000	497	300	265	600	540	530	66	400	6	20	63	22 x 12	4	340	349	322
NBO 440	220	300	400	550	160000	627	380	315	725	675	650	78	510	7	22	70	26 x 12	5	615	629	580

Notes :

1) Function : Overrunning, Backstopping, Indexing
2) Tmax = 2 x Tn.
3) Oil / Grease filled, ready to fit.
4) Shaft dia. is to be controlled within h6/j6
5) *Sizes are with Keyway to DIN 6885 - P3.
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. with direction of Rotation of Inner race freewheeling seen from Arrow, CW for Clockwise & CCW for Anti-clockwise.

➢When ordering please specify bore dia.:

- **NBO H1H4 37 - 20**
- **NBO H1H5 37 - 20**
- **NBO H6H7 37 - 20**

Dimensions/Design subject to modifications without any prior intimation.