

Self-Contained Freewheels

CEUS



TYPE



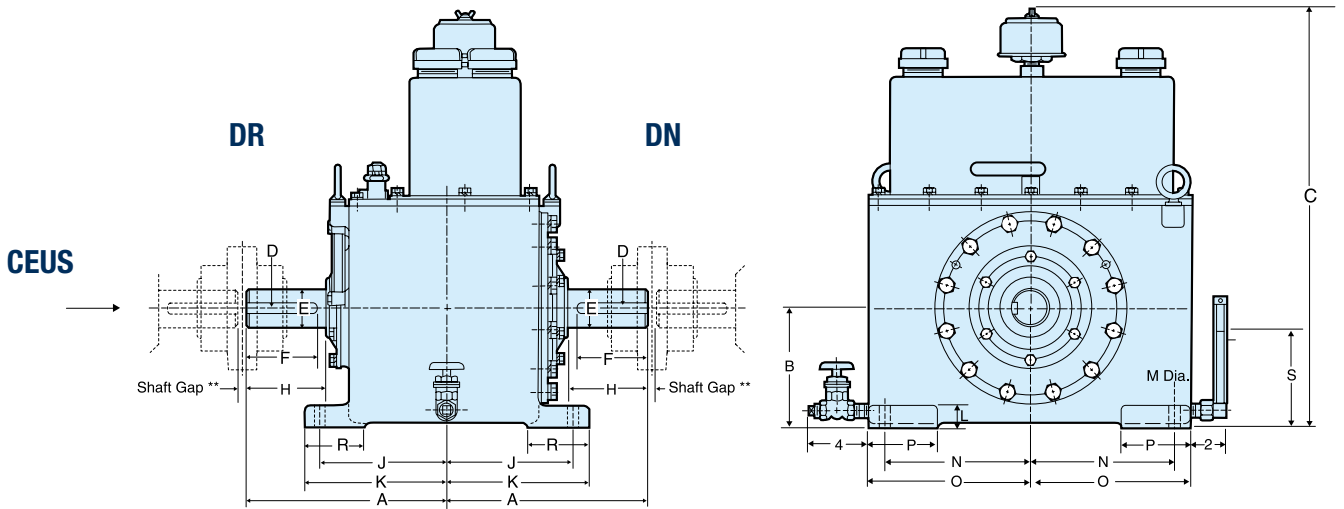
Type CEUS from the CECON product group is a roller type one way clutch bearing supported and self-contained in a cast iron housing. Standard lubrication is oil.

This type is designed for dual or standby drives on large equipment requiring high power at high speeds such as industrial fans, pumps, and turbines.

The housing provides a cooling surface, a large oil volume and maximum safety for equipment running

continuously without supervision.

Units of this type must be connected with the driver and driven machine using flexible couplings. Integrated forced lubrication allows hydrodynamic contact free operation during overrunning. The oil is continuously filtered through internal strainers. Detailed catalogue over the full CECON range on request. The given overrunning speeds are valid for a maximum ambient temperature of 40°C.



Type	Size	Overrunning Speed shaft DN																		Weight
		$T_{KN}^{1)}$ [Nm]	n_{max} [min ⁻¹]	A	B	C	D	E	F	H	J	K	L	M	N	O	P	R	S	
CEUS	5C	680	6000	215,90	120,65	546,1	9,40 x 4,83	39,69	76,20	81,03	139,70	161,80	31,75	17,53	171,45	193,55	79,25	79,25	95,25	100
	1M	1355	5600	249,17	146,05	596,9	9,40 x 4,83	44,45	95,25	98,30	161,80	184,15	31,75	17,53	161,80	206,25	88,90	88,90	117,35	146
	2M	2710	4200	295,15	174,50	647,7	15,75 x 7,87	58,74	114,30	117,35	187,20	209,55	31,75	17,53	212,60	238,00	101,60	88,90	139,70	200
	4M	5425	3600	325,37	196,85	698,5	15,75 x 7,87	69,85	133,35	136,40	196,85	222,25	31,75	17,53	228,60	254,00	101,60	101,60	155,45	255
	8M	10845	3000	374,65	218,95	742,95	22,10 x 11,18	84,14	152,40	155,45	231,65	260,35	38,10	20,57	222,25	273,05	101,60	101,60	171,45	354
	12M	16270	2500	433,32	244,35	793,75	25,40 x 12,70	98,48	171,45	176,28	273,05	301,50	38,10	26,92	231,65	288,80	114,30	114,30	190,50	545
	18M	24405	2300	481,08	285,75	857,25	25,40 x 12,70	109,54	190,50	195,33	295,15	326,90	44,45	33,27	260,35	330,20	127,00	127,00	225,30	726
	30M	40675	2000	533,40	323,85	952,5	31,75 x 15,75	128,59	215,90	218,95	333,25	374,65	44,45	33,27	323,85	393,70	139,70	139,70	254,00	908
	42M	56945	1700	580,90	368,30	1028,7	38,10 x 19,05	149,23	228,60	231,65	365,00	403,10	50,80	33,27	368,30	444,50	152,40	152,40	285,75	1134
	60M	81350	1400	628,65	406,40	1104,9	44,45 x 22,10	177,80	266,70	269,75	387,35	425,45	50,80	33,27	406,40	482,60	152,40	152,40	311,15	1361

NOTES

1) Torque selection procedure. Nominal torque of the application:

$$T_{app1}(\text{Nm}) = \frac{9550 \times P(\text{kW})}{n(\text{min}^{-1})}$$

The CECON unit catalogue torque will be:

$$T_{KN} \geq T_{app1} \times 1,5$$

The dimensions are metric conversion of imperial ones

Rotation seen from shaft „DR“: „R“ Shaft „DR“ drives in clockwise direction, „L“ Shaft „DR“ drives in counterclockwise direction

Note: The constant overrunning function must be performed by the driven shaft „DN“

» Refer to mounting and maintenance instructions page 12 to 13

MOUNTING EXAMPLE

