

RIZ..ESG2

TYPE

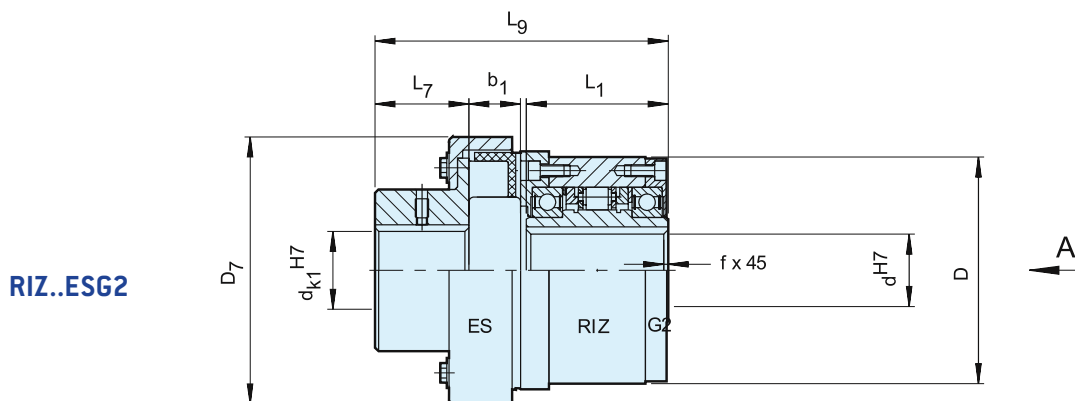


Type RIZ..ESG2 is a centrifugal lift off sprag type freewheel when the inner race is overrunning. Only this race is designed for freewheeling.

It is a self-contained unit designed for overrunning clutch applications. Typically used in crawl drives where the overrunning speed is high, but the drive speed is low and does not exceed the maximum driving speed specified in the table.

It is a type RIZ (» see page 80 for further information) equipped with an ES elastic coupling and a cover G2. The ES type is a rugged coupling, economical and suitable for many applications.

The inner race must overrun and will be connected to the driven machine shaft. When ordered complete, the unit is delivered grease lubricated, ready for either horizontal or vertical installation.



Type	Size	ES	T_{KN}	Speeds			d_{K1}^{H7}	D	L_1	D_7	L_7	L_9	b_1	Weight
	d^{H7} [mm]		[Nm]	$n_{max}^{1)}$ [min ⁻¹]	$n_{min}^{2)}$ [min ⁻¹]	$n_{max}^{3)}$ [min ⁻¹]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
RIZ..ESG2	30	10	80	350	780	9000	10.. 45	100	68	114	48	133,5	17	5,0
	35	16	250	320	740	8500	10.. 50	110	74	127	52	143,5	19	6,6
	40	25	400	315	720	7500	15.. 55	125	86	143	57	163,5	22	9,9
	45	40	625	285	665	6600	20.. 60	130	86	158	61	171,5	26	11,3
	50	63	1000	265	610	6000	20.. 70	150	94	181	67	194	30	16,7
	60	100	1600	200	490	5300	25.. 75	170	114	202	75	227	35	24,0
	70	160	2500	210	480	4100	30.. 80	190	134	230	82	261,5	41	32,5
	80	250	4000	190	450	3600	35.. 90	210	144	257	89	285	47	44,2
	90	400	5600	180	420	2700	45.. 100	230	158	294	97	319,5	56	65
	100	630	9500	200	455	2700	60.. 120	270	182	330	116	361	64	105
	130	1000	15750	180	415	2400	75.. 140	310	212	378	140	417	75	163

NOTES

- 1) This maximum allowable torque transmission speed n_{max} must not be exceeded when transmitting torque
- 2) Inner race
This minimum allowable overrunning speed n_{min} should not be reduced under continuous operation.
Possible reduction of this minimum speed on request
- 3) Inner race
Keyway to DIN 6885.11

When ordering, please specify d_k bore diameter and direction of rotation seen from arrow „A“: „R“ Inner race overruns in clockwise direction, „L“ Inner race overruns in counterclockwise direction

» Refer to mounting and maintenance instructions page 16 to 19

MOUNTING EXAMPLE

