

# RIZ..ELG2



## TYPE



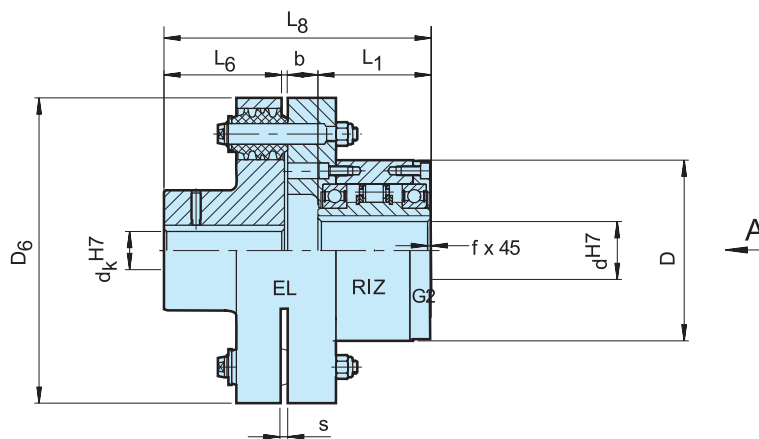
**T**ype RIZ..ELG2 is a centrifugal lift off sprag type freewheel when the inner race is overrunning. Only this race is designed for freewheeling. It is a self-contained unit designed for overrunning clutch applications.

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 EL elastic coupling and a cover G2.

The EL type is a high performance coupling used to damp torsional vibrations and to accept misalignment without excess bearing load.

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. The torques given in the table are determined by the freewheel capacity.

## RIZ..ELG2



Type	Size			Speeds												Weight
	$d_K^{H7}$ (mm)	EL	$T_{KN}$ (Nm)	$n_{max}^{1)}$ (min <sup>-1</sup> )	$n_{min}^{2)}$ (min <sup>-1</sup> )	$n_{max}^{3)}$ (min <sup>-1</sup> )	$d_K^{H7}$ (mm)	D (mm)	$L_1$ (mm)	$D_6$ (mm)	$L_6$ (mm)	$L_8$ (mm)	b (mm)	s (mm)	f (mm)	(kg)
RIZ..ELG2	30	5	375	350	780	9000	20...55	100	68	160	60	147,5	19,5	2	1	11
	35	6	550	320	740	8500	25...75	110	74	190	75	166,5	17,5	2	1	17
	40	6	800	315	720	7500	25...75	125	86	190	75	176,5	15,5	2	1,5	19
	45	6	912	285	665	6600	25...75	130	86	190	75	176,5	15,5	2	1,5	19
	50	7	1400	265	610	6000	30...85	150	94	225	90	208,5	24,5	2,5	1,5	31
	60	8	2350	200	490	5300	35...100	170	114	270	100	244	30	3	2	49
	70	10	3050	210	480	4100	45...120	190	134	340	140	312,5	38,5	3	2,5	90
	80	11	4500	190	450	3600	55...145	210	144	380	160	340	36	3	2,5	107
	90	12	5600	180	420	2700	65...165	230	158	440	180	388	50	3,5	3	170
	100	14	10500	200	455	2700	75...170	270	182	500	200	422,5	40,5	3,5	3	230
	130	16	15750	180	415	2400	85...180	310	212	560	220	482	50	4	3	330

## NOTES

- 1) Inner race overruns  
This maximum allowable torque transmission speed  $n_{max}$  must not be exceeded when transmitting torque
- 2) 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 overruns  
Keyway to DIN 6885.1

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

