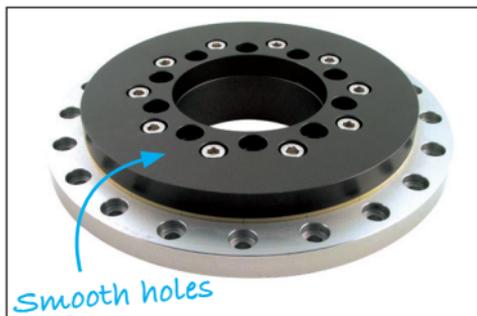




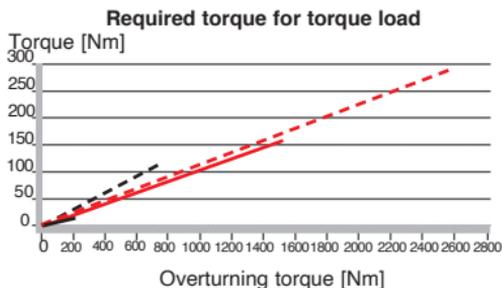
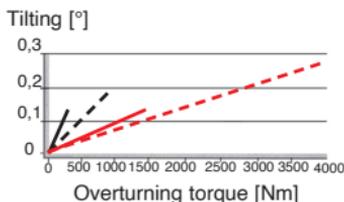
## PRT

### Advantages

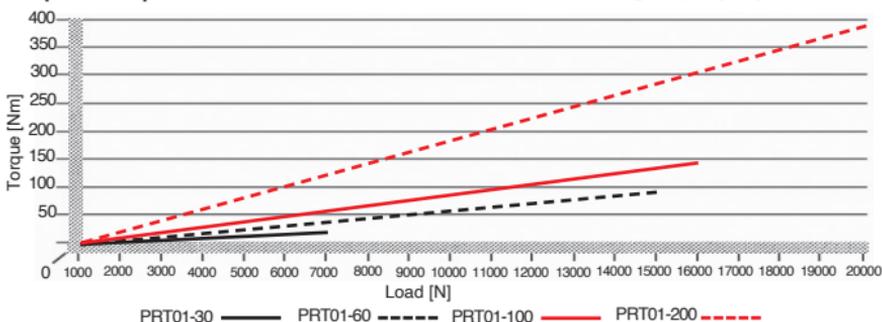
- No maintenance required
- Low coefficient of friction
- Cost effective
- Robust
- Rigid
- Easily installed
- Wear resistant
- Materials:  
 Sliding mechanism: iglidur®  
 Ring: hard anodised aluminium  
 Screws: stainless steel



### Tilting dependent on overturning torque

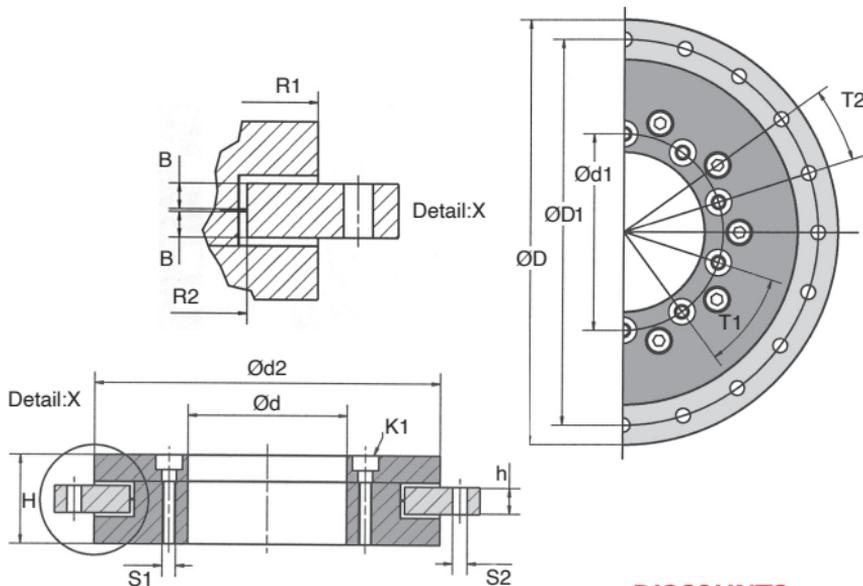
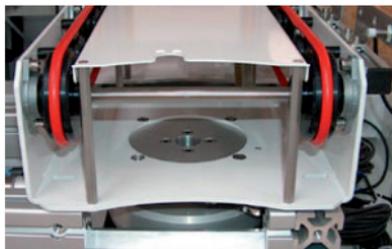
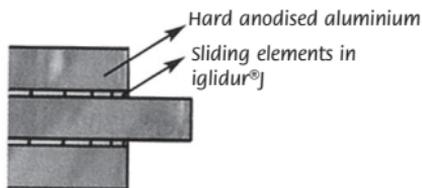


### Required torque for eccentric loads



Part number	Weight (kg)	Axial load rating, static (N)	Axial load rating, dynamic (N)	Axial load rating, dynamic (N)	Radial load rating, dynamic (N)	Rotary speed limit, dry (1/min)	Rigidity, axial (N/μm)	Rigidity, radial (N/μm)	Max. permitted Overturning moment (Nm)	Dimensions in mm		
										R1	R2	B
PRT01-30	0,4	27 000	7 000	5 000	1 500	250	-	-	200	41	29,0	4,5
PRT01-60	1,1	50 000	15 000	10 000	3 000	200	300	65	800	65	51,5	4,5
PRT01-100	1,3	55 000	16 000	16 000	5 000	150	400	65	1 500	80	69,0	5,5
PRT01-200	3,2	100 000	30 000	35 000	10 000	80	500	65	3 800	137	123,0	7,0

Dimensions in mm



## DISCOUNTS

Qty	1+	2+
Disc.	List	On request

Part number	$\varnothing D$	$\varnothing D1$	$\varnothing d1$	$\varnothing d$	$\varnothing d2$	H	h	T1	T2	S1	S2	K1		Price each
												for screw		
PRT01-20	80	70	31	20	60	24	8	3 x 120°	6 x 60°	M4	4,5	DIN 7984 M4		231,62 €
PRT01-30	100	91	42,5	30	82	29	10	8 x 45°	8 x 45,0°	M4	4,5	DIN 7984 M4		256,55 €
PRT01-50	150	135	65	50	120	33	10	8 x 45°	16 x 22,5°	M6	6,6	ISO 4762 M6		354,55 €
PRT01-60	160	145	74,0	60	130	33	10	10 x 36°	20 x 18,0°	M5	5,5	DIN 912 M5		386,85 €
PRT01-100	185	170	112,0	100	160	34	12	12 x 30°	16 x 22,5°	M5	5,5	DIN 912 M5		713,87 €
PRT01-150	250	235	165	150	220	35	12	12 x 30°	16 x 22,5°	M6	5,5	ISO 4762 M5		988,24 €
PRT01-200	300	285	215,0	200	274	38	15	12 x 30°	16 x 22,5°	M6	7,0	DIN 912 M6		1 273,84 €

Dimensions in mm

# iglidur® slewing ring bearing

PRT

With external teeth

- **iglidur® PRT geared slewing ring bearing**

- The interior ring is fixed, the larger external ring supports the load.

- General characteristics:

- See PRT slewing ring

- Material:

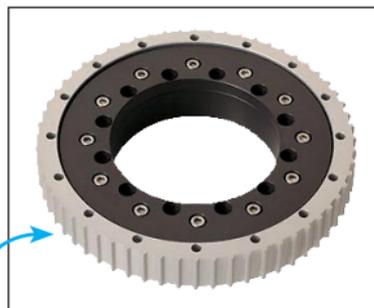
Moving part iglidur® J

Aluminium ring EN AW6061/6060,

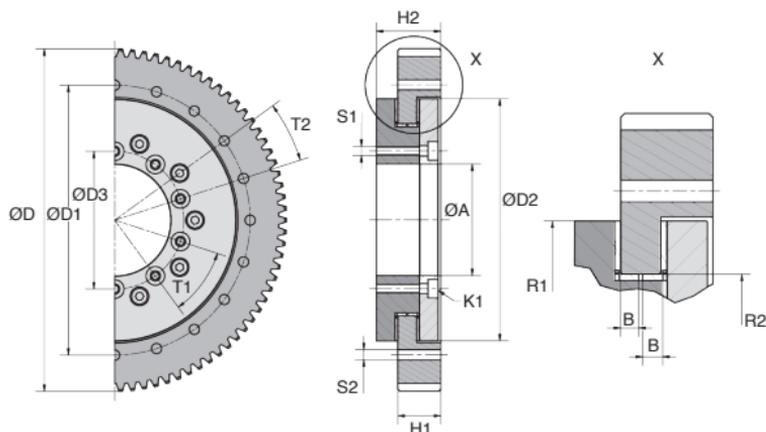
hard anodised

Screws: Stainless steel

- 4 gear styles available: Spur gear DIN3967 or belt pulleys; T10, AT10 or HTD8M



Gear teeth  
or pulley



Part number	ØD1	ØD3	ØA	ØD2	H1	T1	T2	S1	S2	K1 for DIN screw 912				
										R1	R2	B	H2	
PRT-01-30-TO	91	42,5	30	82	21	8x45°	8x45°	M4	4,5	M4	41	29,0	4,5	30,4
PRT-01-60-TO	145	74,0	60	130	23	10x36°	20x18°	M5	5,5	M5	65	51,5	4,5	34,5
PRT-01-100-TO	170	112,0	100	160	25	12x30°	16x22,5°	M5	5,5	M5	80	69,0	5,5	36,0
PRT-01-150-TO	235	165,0	150	220	25	12x30°	16x22,5°	M5	5,5	M5	110	96,5	5,5	37,5
PRT-01-200-TO	285	215,0	200	274	30	12x30°	16x22,5°	M6	7,0	M6	137	124,0	7,0	41,5
PRT-01-300-TO	430	320,0	300	410	30	12x30°	16x22,5°	M8	9,0	M8	205	186,5	8,5	46,5

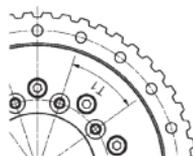
Dimensions in mm



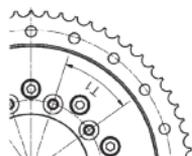
**Spur gear**  
DIN 3967



**AT10 pulley**



**T10 pulley**



**HTD8M pulley**

## DISCOUNTS

Qty	1+	2+
Disc.	List	On request

Part number	Pitch/module	N° of teeth Z	PCD ØP	External diameter ØD	Price each
<b>Tooth profile for Spur gear DIN 3967</b>					
PRT01-30-TO-ST	2	54	108	112	725,47 €
PRT01-60-TO-ST	2	90	180	184	873,56 €
PRT01-100-TO-ST	2	96	192	196	1 277,88 €
PRT01-150-TO-ST	2	126	252	256	1 776,05 €
PRT01-200-TO-ST	2	152	304	308	2 234,59 €
PRT01-300-TO-ST	3	152	456	462	4 425,10 €
<b>Tooth profile for AT10 pulley</b>					
PRT01-30-TO-AT10	AT10	34	108,23	108,23	725,49 €
PRT01-60-TO-AT10	AT10	52	165,52	165,52	873,56 €
PRT01-100-TO-AT10	AT10	60	187,30	187,30	1 277,88 €
PRT01-150-TO-AT10	AT10	80	250,90	250,90	1 776,05 €
PRT01-200-TO-AT10	AT10	96	301,90	301,90	2 234,59 €
PRT01-300-TO-AT10	AT10	144	352,85	352,85	4 425,10 €
<b>Tooth profile for T10 pulley</b>					
PRT01-30-TO-T10	T10	34	108,23	106,40	725,47 €
PRT01-60-TO-T10	T10	52	165,52	163,80	873,56 €
PRT01-100-TO-T10	T10	60	187,30	189,20	1 277,88 €
PRT01-150-TO-T10	T10	80	250,90	252,90	1 776,05 €
PRT01-200-TO-T10	T10	96	301,90	303,90	2 234,59 €
PRT01-300-TO-T10	T10	144	352,85	456,70	4 425,10 €
<b>Tooth profile for HTD8M pulley</b>					
PRT01-30-TO-HTD8M	HTD8M	44	112,05	110,70	725,47 €
PRT01-60-TO-HTD8M	HTD8M	66	168,07	166,70	873,56 €
PRT01-100-TO-HTD8M	HTD8M	74	188,45	187,10	1 277,88 €
PRT01-150-TO-HTD8M	HTD8M	100	254,65	253,30	1 776,05 €
PRT01-200-TO-HTD8M	HTD8M	120	305,60	304,30	2 234,59 €
PRT01-300-TO-HTD8M	HTD8M	180	458,36	457,10	4 425,10 €

Dimensions in mm