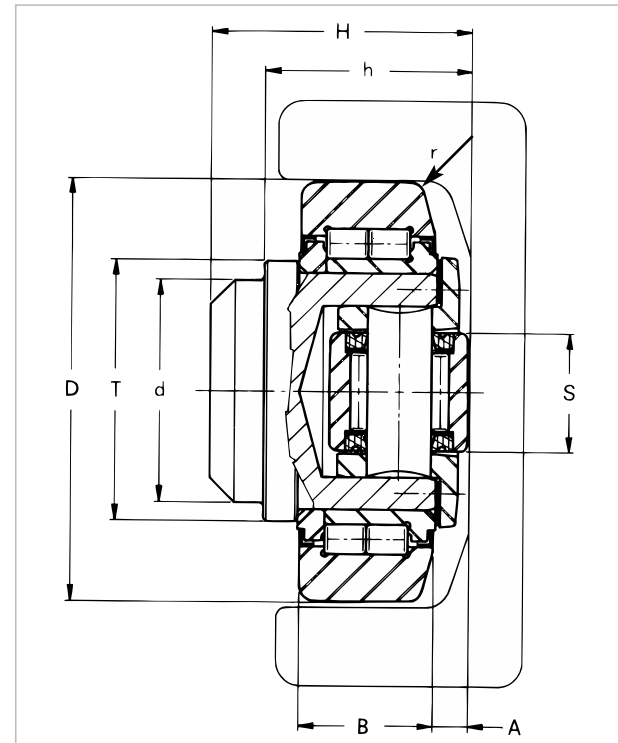




**WINKEL-Rollen | WINKEL Bearings**

**Präzisions-WINKEL-Rolle Typ PR axial über Scheiben justierbar**

**Precision WINKEL Bearing Type PR axial bearing adjustable by shims**



Justierung der Axialrolle über Distanzscheiben  
Adjustment of the axial clearance with shims



**Justierung der Axialrolle**

Die Einstellung des Maßes (A) erfolgt durch Distanzscheiben zwischen Hauptkörper der Seitenführungsrolle und Bolzen.

- Scheiben mit 0,5 und 1,0 mm sind lieferbar.
- Max. Einstellbereich + 2 mm

*Sonderbolzen auf Anfrage.*

**Adjusting of the axial bearing**

The adjustment of dimension (A) is obtained by means of an insert positioned between the main body of the bearing and the housing of the side guide roller.

- Shims with 0.5 and 1.0 mm thickness are available.
- Max. adjusting + 2 mm

*Special bolts on request.*

CAD Download in 2D/3D unter [www.winkel.de](http://www.winkel.de)

CAD download in 2D/3D at [www.winkel.de](http://www.winkel.de)

Typ Type	Artikel-Nr. Article no.	D -0.1 [mm]	T [mm]	d -0.05 [mm]	H* [mm]	h* [mm]	B [mm]	A [mm]	S [mm]	r [mm]
PR 4.072	200.107.000	64,8	42	30	43,0	33,0	20	5,5	16	3
PR 4.073	200.108.000	73,8	48	35	48,0	40,0	23	6,5	16	4,5
PR 4.074	200.109.000	81,8	54	40	50,5	39,5	23	7,0	21	4,5
PR 4.076	200.110.000	92,8	59	45	61,0	48,0	30	7,0	21	4
PR 4.0784	200.111.000	111,8	71	60	69,0	55,0	31	8,0	33	5
PR 4.079	200.112.000	127,8	80	60	75,5	59,5	37	8,0	33	5
PR 4.080	200.113.000	153,8	103	60	88,0	69,0	45	15,0	50	5

C = Dyn. Tragzahl Radiallager (ISO 281/1), C<sub>0</sub> = Stat. Tragzahl Radiallager (ISO 76)

C<sub>A</sub> = Dyn. Tragzahl Axiallager (ISO 281/1), C<sub>0A</sub> = Stat. Tragzahl Axiallager (ISO 76)

F<sub>R</sub> = Tragzahl Radiallager zulässige Belastung zwischen Rolle und Profil

F<sub>A</sub> = Tragzahl Axiallager zulässige Belastung zwischen Rolle und Profil

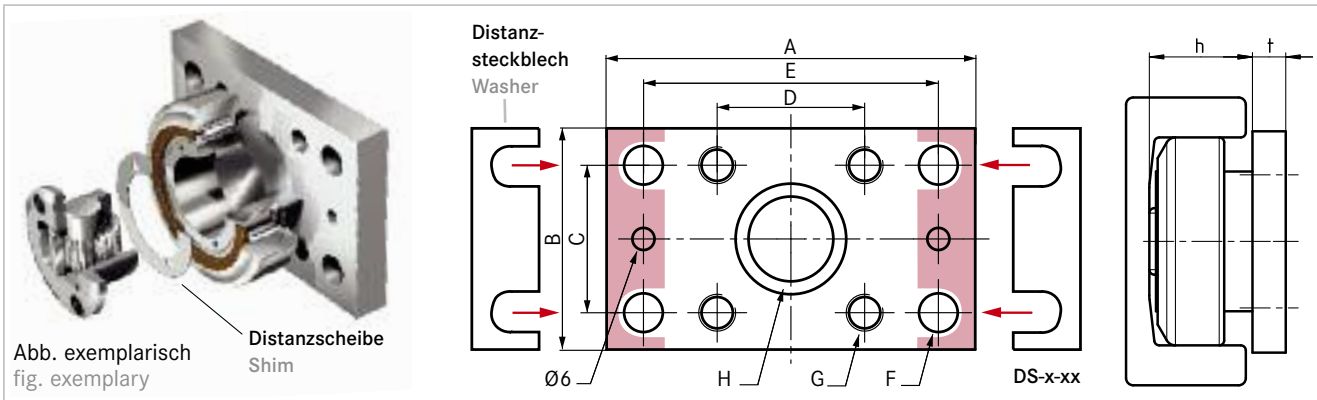
\* Maße H und h ohne Distanzscheiben; max. +2 mm



WINKEL-Rollen | WINKEL Bearings

Passende Anschraubplatten

Suitable flange plates

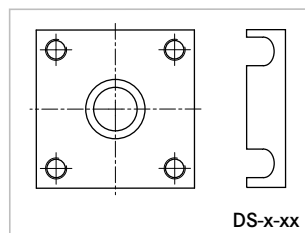


Typ Type	Artikel-Nr. Article no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Ø F [mm]	G	Ø H [mm]	t [mm]	Distanzsteckblech 0,5mm Washer 0.5mm		Distanzsteckblech 1,0mm Washer 1.0mm	
AP 0	212.003.000	100	60	40	40	80	10,5	M10	30	10	DS-0-0,5	238.020.000	DS-0-1,0	238.020.001
AP 1	212.004.000	120	80	50	50	90	12,5	M12	35	15	DS-1-0,5	238.021.000	DS-1-1,0	238.021.001
AP 2	212.005.000	120	80	50	50	90	12,5	M12	40	15	DS-2-0,5	238.021.000	DS-2-1,0	238.021.001
AP 3.1	212.006.001	160	100	60	60	120	17,0	M16	45	20	DS-3.1-0,5	238.105.000	DS-3.1-1,0	238.105.001
AP 4	212.007.001	180	120	80	80	140	17,0	M16	60	20	DS-4-0,5	238.023.000	DS-4-1,0	238.023.001
AP 6	212.008.000	200	150	100	100	160	17,0	M16	60	20	DS-6-0,5	238.024.000	DS-6-1,0	238.024.001

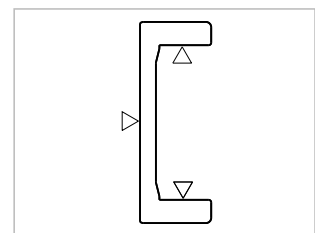
Passende Distanzscheiben | Suitable shims

Distanzscheiben passend für Shims suitable for	Distanzscheiben Stärke   Shims thickness			
	0,5 mm		1,0 mm	
PR 4.072 - PR 4.073	S-4.072-0,5	200.900.000	S-4.072-1,0	200.900.001
PR 4.074 - PR 4.077	S-4.074-0,5	200.901.000	S-4.074-1,0	200.901.001
PR 4.078 - PR 4.079	S-4.078-0,5	200.902.000	S-4.078-1,0	200.902.001
PR 4.080	S-4.080-0,5	200.903.000	S-4.080-1,0	200.903.001

Anschraubplatten  
quadratisch Reihe AP-Q S. 90  
Flange plates  
square series AP-Q page 90



Profile Seite 66  
Profiles page 66



Typ Type	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	C [kN]	C <sub>0</sub> [kN]	C <sub>A</sub> [kN]	C <sub>0A</sub> [kN]	Gewicht kg Weight kg	Anschraubplatten Flange plates		Profile Profiles
PR 4.072	10,30	3,20	31,0	35,5	8	8	0,56	AP0	AP0-Q	PR 0 NbV
PR 4.073	12,40	3,87	45,5	51,0	14	14	0,85	AP1	AP1-Q	PR 1 NbV
PR 4.074	12,90	4,00	48,0	56,8	14	14	1,02	AP2	AP2-Q	PR 2 NbV
PR 4.076	22,40	7,00	68,0	72,0	15	15	1,69	AP3.1	AP3-Q	PR 3 NbV
PR 4.0784	23,80	7,44	81,0	95,0	31	36	2,80	AP4	AP4-Q	PR 4 NbV
PR 4.079	33,90	10,60	110,0	132,0	35	38	4,08	AP4	AP4-Q	PR 5 NbV
PR 4.080	39,50	18,50	151,0	192,0	68	71	6,70	AP6	AP6-Q	PR 6 NbV

C = Dynamic load capacity radial bearing (ISO 281/1), C<sub>0</sub> = Static load capacity radial bearing (ISO 76)  
C<sub>A</sub> = Dynamic load capacity axial bearing (ISO 281/1), C<sub>0A</sub> = Static load capacity axial bearing (ISO 76)  
F<sub>R</sub> = Load capacity radial bearing max. allowable force between bearing and profile  
F<sub>A</sub> = Load capacity axial bearing max. allowable force between bearing and profile