




Jumbo WINKEL-Rolle
Axialrolle justierbar



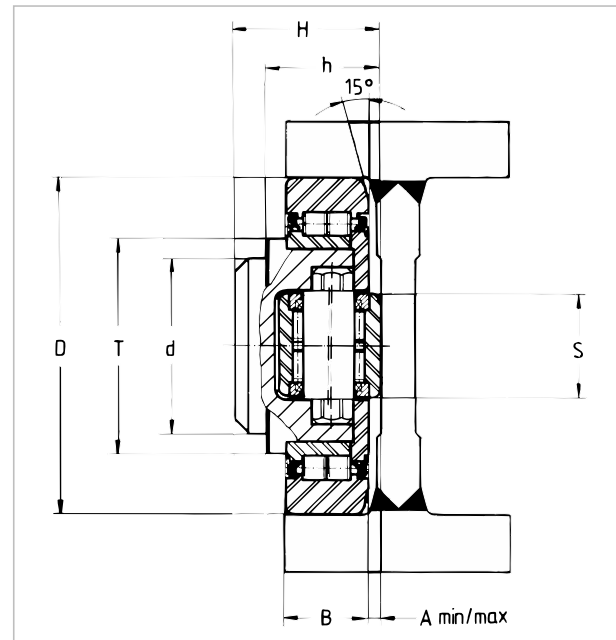
Die Einstellung der Axialrolle (Maß A) erfolgt durch Verdrehen des Bolzens der Axialrolle. Der Bolzen ist exzentrisch und hat 8 Stellpositionen. Das Radiallager ist nachschmierbar.

- **Jumbo-Rollen mit OILAMID-Einsatz auf Anfrage.**
- **Jumbo-Radiallager auf Anfrage.**

 Nachschmiersysteme für WINKEL-Rollen
Lubrication systems for WINKEL bearings
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CAD Download in 2D/3D unter www.winkel.de

Jumbo WINKEL Bearing
axial bearing adjustable



The adjustment of dimension (A) is obtained by turning the bolt of the side guide roller. The bolt is eccentric and has 8 adjustment positions. The radial bearing can be relubricated.

- **Jumbo Bearings with OILAMID insert on request.**
- **Jumbo Radial Bearing on request.**



WINKEL Jumbo-Rolle
Justierung der Axialrolle über Exzenter
WINKEL Jumbo Bearing.
Axial bearing adjustable by eccentric



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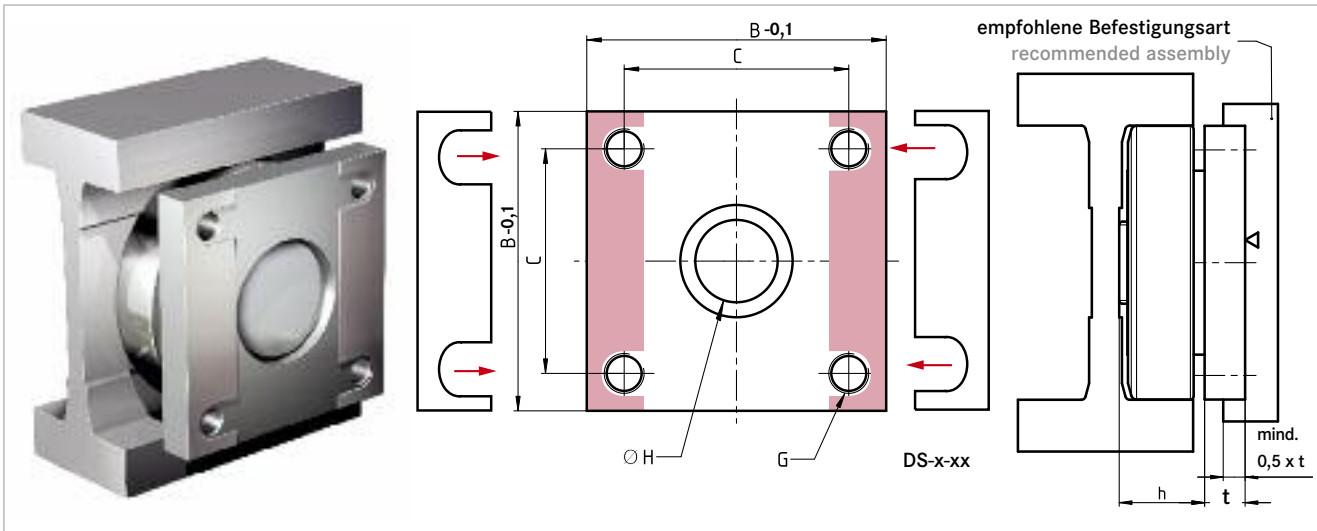
Typ Type	Artikel-Nr. Article no.	D -0.15 [mm]	T [mm]	d -0.05 [mm]	H [mm]	h [mm]	B [mm]	A [mm]	S [mm]
4.089	201.050.000	165	113	80	69,0 - 72,0	53,0 - 56,0	40,0	5,0 - 8,0	50
4.090	201.051.000	190	124	100	84,5 - 87,5	64,5 - 67,5	48,0	6,5 - 9,5	60
4.091	201.052.000	220	146	110	94,5 - 97,5	74,5 - 77,5	58,0	6,5 - 9,5	75
4.092	201.053.000	250	168	120	102,0 - 105,0	77,0 - 80,0	60,0	7,0 - 10,0	75
4.093	201.054.000	280	188	150	119,5 - 123,5	89,5 - 93,5	72,0	7,5 - 11,5	90
4.094	201.055.000	320	218	150	135,0 - 139,0	110,0 - 114,0	85,0	10,0 - 14,0	90

C = Dyn. Tragzahl Radiallager (ISO 281/1), C₀ = Stat. Tragzahl Radiallager (ISO 76)
C_A = Dyn. Tragzahl Axiallager (ISO 281/1), C_{0A} = Stat. Tragzahl Axiallager (ISO 76)
F_R = Tragzahl Radiallager zulässige Belastung zwischen Rolle und Profil
F_A = Tragzahl Axiallager zulässige Belastung zwischen Rolle und Profil



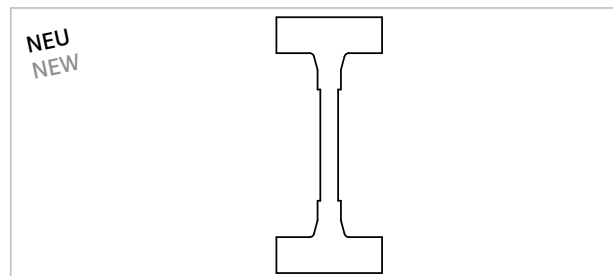
Passende Anschraubplatten

Suitable flange plates



Typ Type	Artikel-Nr. Article no.	B-0,1 [mm]	C [mm]	G [mm]	Ø H [mm]	h [mm]	t [mm]	Distanzsteckblech 0,5mm Washer 0.5mm		Distanzsteckblech 1,0mm Washer 1.0mm	
AP 89-Q	212.200.001	165	125	M20	80	53,0 - 56,0	23	DS-89-0,5	238.033.000	DS-89-1,0	238.033.001
AP 90-Q	212.200.002	190	150	M20	100	64,5 - 67,5	28	DS-90-0,5	238.034.000	DS-90-1,0	238.034.001
AP 91-Q	212.200.003	220	176	M24	110	74,5 - 77,5	33	DS-91-0,5	238.035.000	DS-91-1,0	238.035.001
AP 92-Q	212.200.004	250	206	M24	120	77,0 - 80,0	37	DS-92-0,5	238.036.000	DS-92-1,0	238.036.001
AP 93-Q (4.094 + AP 93-Q)	212.200.005	280	220	M30	150	89,5 - 93,5 (110,0 - 114,0)	37	DS-93-0,5	238.037.000	DS-93-1,0	238.037.001

Profile S. 74
Profiles page 74



Typ Type	F _R [kN]	F _A [kN]	C [kN]	C ₀ [kN]	C _A [kN]	C _{0A} [kN]	Gewicht kg Weight kg	Anschraubplatten Flange plates	Profile Profiles
4.089	41,71	13,91	213	388	85	133	9,2	AP 89-Q	Standard 10
4.090	58,00	19,40	266	500	100	180	10,6	AP 90-Q	Standard 16
4.091	84,00	28,00	326	681	138	257	17,3	AP 91-Q	Standard 18
4.092	101,50	33,90	369	748	138	257	23,9	AP 92-Q	Standard 28
4.093	139,40	46,50	489	1066	182	488	36,0	AP 93-Q	Standard 36 + 42
4.094	192,00	57,70	542	1370	210	422	50,0	AP 93-Q	Standard 50

C = Dynamic load capacity radial bearing (ISO 281/1), C₀ = Static load capacity radial bearing (ISO 76)
 C_A = Dynamic load capacity axial bearing (ISO 281/1), C_{0A} = Static load capacity axial bearing (ISO 76)
 F_R = Load capacity radial bearing max. allowable force between bearing and profile
 F_A = Load capacity axial bearing max. allowable force between bearing and profile