

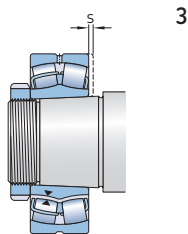
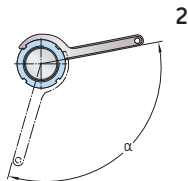
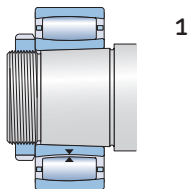
Mounting bearings with a tapered bore

Spherical roller bearings and CARB toroidal roller bearings with a tapered bore are always mounted with an interference fit. To obtain the proper degree of interference, one of the following methods can be used:

- 1 measuring the clearance reduction
- 2 measuring the lock nut tightening angle
- 3 measuring the axial drive-up distance

Recommended values are listed on the other side of this card.

For additional information and other mounting methods see the SKF online catalogue, by using QR code, or consult skf.com/mount



Drive-up data for spherical roller bearings and CARB toroidal roller bearings with a tapered bore

Bore diameter		Reduction of radial internal clearance		Axial drive-up distance s				Lock nut tightening angle
over	incl.	min.	max.	Taper 1:12 min.	Taper 1:30 max.	Taper 1:30 min.	Taper 1:12 max.	α
mm	mm	mm	mm	mm	mm	mm	mm	°
24	30	0,010	0,015	0,25	0,29	–	–	100
30	40	0,015	0,020	0,30	0,35	–	–	115
40	50	0,020	0,025	0,37	0,44	–	–	130
50	65	0,025	0,035	0,45	0,54	1,15	1,35	115
65	80	0,035	0,040	0,55	0,65	1,40	1,65	130
80	100	0,040	0,050	0,66	0,79	1,65	2,00	150
100	120	0,050	0,060	0,79	0,95	2,00	2,35	
120	140	0,060	0,075	0,93	1,10	2,30	2,80	
140	160	0,070	0,085	1,05	1,30	2,65	3,20	
160	180	0,080	0,095	1,20	1,45	3,00	3,60	
180	200	0,090	0,105	1,30	1,60	3,30	4,00	
200	225	0,100	0,120	1,45	1,80	3,70	4,45	
225	250	0,110	0,130	1,60	1,95	4,00	4,85	
250	280	0,120	0,150	1,80	2,15	4,50	5,40	
280	315	0,135	0,165	2,00	2,40	4,95	6,00	
315	355	0,150	0,180	2,15	2,65	5,40	6,60	
355	400	0,170	0,210	2,50	3,00	6,20	7,60	
400	450	0,195	0,235	2,80	3,40	7,00	8,50	
450	500	0,215	0,265	3,10	3,80	7,80	9,50	
500	560	0,245	0,300	3,40	4,10	8,40	10,30	
560	630	0,275	0,340	3,80	4,65	9,50	11,60	
630	710	0,310	0,380	4,25	5,20	10,60	13,00	
710	800	0,350	0,425	4,75	5,80	11,90	14,50	
800	900	0,395	0,480	5,40	6,60	13,50	16,40	
900	1000	0,440	0,535	6,00	7,30	15,00	18,30	
1000	1120	0,490	0,600	6,40	7,80	16,00	19,50	
1120	1250	0,550	0,670	7,10	8,70	17,80	21,70	
1250	1400	0,610	0,750	8,00	9,70	19,90	24,30	
1400	1600	0,700	0,850	9,10	11,10	22,70	27,70	
1600	1800	0,790	0,960	10,20	12,50	25,60	31,20	

Valid only for solid steel shafts and general applications.

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