

Comparison List Roller Bearings



Type	Specification	TFL	FAG	NTN	NSK	SKF	SNR
Single row deep groove ball bearings Product lines 600-6000-6200-6300-6400 / M200- M300-16000-16100 / BL200-BL300	1 or 2 sealing shields	Z / ZZ	ZR / 2ZR	Z / ZZ	Z / ZZ	Z / ZZ	Z / ZZ
	1 or 2 rubbing sealing washers	RS / 2RS	RSR / 2RSR	LU / LLU	DU / DDU	RS1 / 2RS1	E / EE
	1 or 2 non-rubbing sealing washers	RSD / 2RSD	RSD / 2RSD	LB / LLB	V / VV	RZ / 2RZ	n/a
	With / without snap ring slot	NR	NR	N / NR	N / NR	N / NR	N / NR
	Internal clearance (if it is different to radial clearance)	C2 / C3 etc...	C2 / C3 etc...	C2 / C3 etc...	C2 / C3 etc...	C2 / C3 etc...	J20 / J30 etc..
Double row deep groove ball bearings Product lines 4200-4300	Plastic cage	TN	TVH	n/a	TNG	TN9	n/a
	Without filling slot	n/a	n/a	n/a	B	A	A
	Internal clearance (if it is different to radial clearance)	C2 / C3 etc...	n/a	n/a	C2 / C3 etc...	C2 / C3 etc...	J20 / J30 etc...
Single row angular contact ball bearings (Standard-Series) Product lines 7000-72000-7300-7400	Contact angle 40°	B	B	B	B	B	B
	Intensified design	n/a	n/a	n/a	EA	E	n/a
	Plastic cage	TN	TVP	T2	T85	P	A
	Steel cage	n/a	n/a	J	W	J	n/a
	Solid cage made of brass	M	MP	L1	n/a	M	M
	Universal design	n/a	UA/UO	G	G, SU	CB / G	G
Double row angular contact ball bearings Product lines 3200-3300	Contact angle 32° to 35° (with filling slot)	n/a	n/a	n/a	J	n/a	A
	Contact angle 25° to 32° (without filling slot)	B	B	n/a	B	A	B
	Plastic cage	TN	TVH / TVP	n/a	TNG	TN9	G15
	Steel cage	n/a	n/a	n/a	n/a	n/a	n/a
	Solid cage made of brass	M	M, MA	M	M	M	M
	1 or 2 sealing shields	ZZ	ZR / 2ZR	Z / ZZ	Z / 2ZR	Z / ZZ	Z / 2ZR
Double row self-aligning ball bearings Product lines 1200-1300 / 2200-2300-100 / 11200-11300-11500	1 or 2 rubbing sealing washers	RSR / 2RSR	2RS	RS / 2RS	RSR / 2RSR	RS1 / 2RS1	RS / 2RS
	Internal clearance (if it is different to radial clearance)	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	J20 / J30 etc..
	Steel cage	n/a	n/a	n/a	n/a	n/a	n/a
	Plastic cage	TN	TV	n/a	TNG	TN, TN9	G15
	Solid cage made of brass	M	M	M	M	M	M
	Two rubbing sealing washers	2RS	2RS	n/a	2RS	2RS1	n/a
	Intensified design	n/a	n/a	n/a	E	E	n/a
Thrust ball bearings Single direction Product lines 51100-51200-51300-51400 / 53200-53300-53400 Double direction Product lines 52200-52300-52400 / 54200-54300-54400	Internal clearance (if it is different to radial clearance)	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	J20 / J30 etc..
	Tapered bore 1:12	K	K	K	K	K	K
	Steel cage	n/a	n/a	n/a	n/a	n/a	n/a
Four point contact bearing Product lines QJ200-QJ300	Solid cage made of brass	M	M, MP	n/a	M	n/a	n/a
	With spherical flat housing locating washer and seating washer	U	U	U	U	U	n/a
	Plastic cage	TN	TVP	n/a	n/a	PHA	n/a
	Solid cage made of brass	M	MPA	n/a	M, ME	MA	MA
Single row cylindrical roller bearings Product lines N, NU, NUP, NJ 200-300-400 / 1000-2200-2300	Internal clearance (if it is different to radial clearance)	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	J20 / J30 etc..
	Plastic cage	TN	TVP2	n/a	T, T7	P, PH, PHA	G15
	Steel cage	n/a	n/a	n/a	W	J	n/a
	Solid cage made of brass	M	M, M1	n/a	M	M	M
	Intensified design	E	E	E	E	EC	E
	Internal clearance (if it is different to radial clearance)	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	J20 / J30 etc..

Type	Specification	Kugellager-Express	FAG	NTN	NSK	SKF	SNR
Spherical roller bearings Product lines 21300 / 22200-22300 / 23000-23100 / 23200-23900 / 24000-24100	Plastic cage	TN	TVPB	n/a	H	n/a	n/a
	Steel cage	n/a	n/a	J	C, CD, EA, J	C(J), CC, EC(J), ECC(J)	A
	Solid cage made of brass	M	M, MA, MB	L1	M, MB, CAM	ECA, ECAC, CA, MA	M, MB
	Intensified design	E	E	E	n/a, E	E, Explorer	E
	Internal clearance (if it is different to radial clearance)	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	C2 / C3 etc..	J20 / J30 etc..
	Tapered bore 1:12	K	K	K	K	K	K
	Tapered bore 1:30	K30	K30	K30	K30	K30	K30
	Lubrication groove and lubrication hole	W33	n/a, S	D1	E4,W33	W33	B33
	Operating temperatures to 200°C	n/a	n/a	n/a	n/a, S11	n/a	n/a
	Particularly for vibration and filter-applications	n/a	T41A	UAVS1	U15VS, VB	A15, VA405, VA406	F800
Axial spherical roller bearings Product lines 29300-29400	Steel cage	n/a	n/a	n/a	M	n/a	n/a
	Solid cage made of brass	M	MB	M	M	EM	n/a
	Intensified design	E	E	E	E	E	E
Needle roller bearings Series NA4900 / NA6900 / NK / NKI	1 or 2 rubbing sealing washers	RS / 2RS	RSR / 2RSR	L / LL	T / TT	RS / 2RS	L / LL
	Plastic cage	TN	TV	T2	n/a	TN	T2
Drawn cup needle roller bearings / with closed end Series HK / BK	1 or 2 rubbing sealing washers	RS / 2RS	RS / 2RS	L / LL	T / TT	RS / 2RS	L / LL
Needle roller and cage assemblies Series K	Plastic cage	TN	TV	T2	FBNP	TN	T2
Axial cylindrical roller bearings Series 811 / 812	Plastic cage	TN	TV	T2	n/a	TN	T2
	Solid cage made of brass	M	M	n/a	n/a	M	n/a
Axial needle roller bearings Series AXW / AXK	Plastic cage	TN	TV	n/a	n/a	TN	n/a

All indications were made carefully and verified. TFL-BEARING GmbH doesn't assume any liability for incomplete or false indications.

If desired we can also offer roller bearings of the brands FAG, NTN, SNR, NSK, SKF, ASAHI and RHP to you. If required, please send us your enquiry via our [contact form \(https://tflbearing.com/contact-us\)](https://tflbearing.com/contact-us).