MTK+

Suffix and prefix overview

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Deep groove ball bearings

Prefix	Suffix	Description
	RS	Rubber seal at one side of the bearing
	2RS	Rubber seals at both sides of the bearing
	Z	Pressed steel shield at one side of the bearing
	2Z	Pressed steel shields at both sides of the bearing
	TN	Polyamide cage
	M	Machined brass cage
	K	Tapered bearing bore
	N	Circular groove in the outer ring
	NR	Circular groove in the outer ring with an inserted snap ring
	EMQ	Electric Motor Quality
SS		Stainless steel
SS	FM222	Stainless steel with food grade grease (Mobil FM222)

Self-aligning ball bearings

Prefix	Suffix	Description
	2RS	Rubber seals at both sides of the bearing
	K	Tapered bearing bore
	J	Steel cage
	TN	Polyamide cage
	M	Machined brass cage

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Thrust ball bearings

Prefix	Suffix	Description
	M	Machined brass cage

Single-row angular contact ball bearings

Prefix	Suffix	Description
	A	Angle 25°
	B	Angle 40° = standard
	C	Angle 15°
	J	Steel cage
	TN	Polyamide cage
	M	Machined brass cage
	DT	Tandem configuration
	DB	Back-to-back configuration
	DF	Face-to-face configuration
	RS	Rubber seal at one side of the bearing
	2RS	Rubber seals at both sides of the bearing

Double-row angular contact ball bearings

Prefix	Suffix	Description
	A	Angle 32°
	D	Angle 45°
	RS	Rubber seal at one side of the bearing
	2RS	Rubber seals at both sides of the bearing
	Z	Pressed steel shield at one side of the bearing
	2Z	Pressed steel shields at both sides of the bearing
	TN	Polyamide cage
	M	Machined brass cage

Tapered roller bearings

Prefix	Suffix	Description
	X	Standard designation
	A	Increased loading capacity
	B	Enlarged contact angle
	DT	Tandem configuration
	DB	Back-to-back configuration
	DF	Face-to-face configuration

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Full complement cylindrical roller bearings

Prefix	Suffix	Description
SL01 48..		Locating bearing - double row full complement
SL01 49..		Locating bearing - double row full complement
SL02 48..		Non-locating bearing - double row full complement
SL02 49..		Non-locating bearing - double row full complement
SL04 1..		Locating bearing - sealed double row full complement with snap ring grooves
SL04 2..		Locating bearing - sealed double row full complement with snap ring grooves
SL04 5...		Locating bearing - sealed double row full complement with snap ring grooves
SL18 18..		Semi-locating bearing - single row full complement
SL18 22..		Semi-locating bearing - single row full complement
SL18 29..		Semi-locating bearing - single row full complement
SL18 30..		Semi-locating bearing - single row full complement
SL18 48..		Semi-locating bearing - double row full complement
SL18 49..		Semi-locating bearing - double row full complement
SL18 50..		Semi-locating bearing - double row full complement
SL19 23		Semi-locating bearing - single row full complement
	PP	Seals on both sides
	PP-H	Seals on both sides - improved design
	A	Modified internal design
	B	Modified internal design
	TB	Increased axial load carrying capacity
	RR	Anti-corrosion coating – passivated zinc plating
	2NR	2 snap rings fitted
	W5	Lubrication groove and three lubrication holes in the inner and outer ring
	R0.5	Snap ring grooves with radius R0.5
	X	Altered design with snap ring grooves on the both sides of the outer ring
	X01	Altered design with snap ring grooves on the both sides of the outer ring and loose rib with seal fitted

Single row cylindrical roller bearings

Prefix	Suffix	Description
	E	Steel cage - increased loading capacity
	EM	Machined brass cage, guided on the rolling elements - increased loading capacity
	EMA	Machined brass cage, guided on the outer ring - increased loading capacity
	ETN	Polyamide cage - increased loading capacity
	M	Machined brass cage, guided on the rolling elements
	MA	Machined brass cage, guided on the outer ring
	K	Tapered bore - taper 1:12
	N	Circular groove in the outer ring for snap ring
	NA	Non interchangeable rings
	NU	Non-locating - two integral flanges on the outer ring and no on the inner ring
	N	Non-locating - two integral flanges on the inner ring and no on the outer ring
	NJ	Semi locating - two integral flanges on the outer ring and one on the inner ring
	NUP	Locating - two integral flanges on the outer ring, one on the inner ring and one non-integral (loose) flange ring on the inner ring

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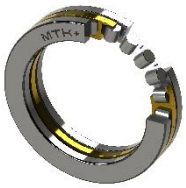
Double row cylindrical roller bearings

Prefix	Suffix	Description
	K	Tapered bore - taper 1:12
	W33	Lubrication groove and three lubrication holes in the outer ring
NN		Inner ring with three integral flanges, roller guided
NNU		Outer ring with three integral flanges, roller guided



Thrust cylindrical roller bearings

Prefix	Suffix	Description
	TN	Polyamide cage
	M	Machined brass cage
	EM	Machined brass cage - increased loading capacity
	ZRB	Rollers with logarithmic profile
	C-MP	Manganese-phosphate coating

Spherical roller bearings

Prefix	Suffix	Description
C		Steel cage
CA		One piece machined brass cage, guided on the inner ring
	M	Two piece machined brass cage, guided on the inner ring
	MB	Two piece machined brass cage, guided on the inner ring
	MA	Two piece machined brass cage, guided on the outer ring
	CAMA	One piece machined brass cage, guided on the outer ring
	CAF1	One-piece carbon steel cage, guided on the inner ring
	CAF2	One-piece graphite cage, guided on the inner ring
	CAF3	One-piece nodular cast iron cage, guided on the inner ring
	W33	Lubrication groove and three lubrication holes in the outer ring
	W33X	Lubrication groove and six lubrication holes in the outer ring
	W20	Three lubrication holes in the outer ring
	2CS5	sealed spherical roller bearing
	F80	Stricter internal tolerances
	K	Tapered bore 1:12
	K30	Tapered bore 1:30
A		Split outer ring

Spherical roller thrust bearings

Prefix	Suffix	Description
	E	Steel cage - increased loading capacity
	TN	Polyamid cage
	M	Machined brass cage
	EM	Machined brass cage - increased loading capacity

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General information

Prefix	Suffix	Description
	C1	Radial internal clearance less than C2
	C2	Radial internal clearance less than normal
	CN	Normal radial internal clearance
	C3	Radial internal clearance greater than normal
	C4	Radial internal clearance greater than C3
	C5	Radial internal clearance greater than C4
	S0	Operating temperature up to 150°
	S1	Operating temperature up to 200°
	S2	Operating temperature up to 250°
	S3	Operating temperature up to 300°
	P4	Dimensional and running accuracy to ISO tolerance class 4 (better than P5)
	P5	Dimensional and running accuracy to ISO tolerance class 5 (better than P6)
	P6	Dimensional and running accuracy to ISO tolerance class 6 (better than normal)
	LR 3.2	With LR EN 10204 3.2 certificate