

HK2210	HK2212	HK2216	HK2220	HK2230	HK2512	HK2514	HK2516
HK2518	HK2520	HK2525	HK2526	HK2538	HK25×35×20	HK2816	HK2818
HK2820	HK3012	HK3016	HK3018	HK3020	HK3026	HK3038	HK30×38×12
HK30×38×16	HK30×38×24	HK30×38×32	HK3224	HK3232	HK32×40×32	HK3512	HK3516
HK3520	HK35×43×16	HK35×43×25	HK35×43×32	HK38×48×30	HK4012	HK4016	HK4020
HK40×50×32	HK40×50×38	HK4512	HK4520	HK5012	HK5020	HK5025	HK5520
HK types of drawn cup needle roller bearings with open ends and with closed end							

needle roller thrust bearings

thrust bearings, including ball thrust bearings and roller thrust bearings. ball thrust bearings use a series of balls to provide support for axial loads, while roller thrust bearings use cylindrical rollers or tapered rollers to support axial loads. both types of bearings can come in a range of materials and configurations to suit different applications.

needle roller thrust bearings is a type of needle bearing that is designed to handle axial loads and provide support for rotating shafts. unlike radial bearings, which primarily handle radial loads, thrust bearings are designed to handle axial loads in one direction and can often handle higher loads than radial bearings of the same size.

catalogues,sizes, types cylindrical roller thrust bearings

cylindrical roller thrust bearings, needle roller thrust bearings, roller thrust bearings

cylindrical roller thrust bearings 81100 types	81102 81103 81104 81105 81106 81107 81108 81109 81110 81111 81112 81113 81114 81115 81116 81117 81118 811120 811122 811124 811126 811128 811130 811132 811134 81116 811138 811140 811144 811148 811152 811156 811160 811164 811168 811172 811176 811180 811184 811188 811192 811196
cylindrical roller thrust bearings 811 types	811/500, 811/530 811/560 811/600 811/630
cylindrical roller thrust bearings 81200 types	81207 81208 81209 81210 81211 81212 81213 81214 81215 812016 81217 81218 81220 81222 81224 81226 81228 81230 81232 81234 81236 81238 81240 81244 81248 81252 81256 81260 81264 81268 81272 81276 81280 81284 81288 81292 8126
cylindrical roller thrust bearings 812 types	812/500 812/530 812/560 812/600 812/630
cylindrical roller thrust bearings, needle roller thrust bearings, roller thrust bearings,	

needle roller thrust bearings are commonly used in small scale applications, such as miniature motors and other precision machinery. They are often found in applications where space is limited, as they are typically smaller in size than other types of bearings.

stainless steel needle roller bearings

stainless steel needle roller bearings are a type of needle roller bearing where the components, particularly the rolling elements and the bearing rings, are made from stainless steel. Stainless steel is a corrosion-resistant material that makes these bearings suitable for applications in environments where exposure to moisture, harsh chemicals, or other corrosive substances may occur. These bearings are often chosen for their ability to withstand corrosion and maintain their performance in challenging conditions.

AISI type 440C stainless steel needle roller bearings afford the advantage of maximum hardness combined with corrosion-resisting properties. this hardness, together with precise geometry and fine surface finish, makes them especially useful for bearing where severe environmental conditions may occur.

AISI type 420 stainless steel needle roller bearings afford the advantage of hardness combined with corrosion-resisting properties. this hardness, together with precise geometry and fine surface finish, makes them especially useful for cylindrical roller bearing

axial needle roller and cage assemblies (K types)

K series needle rollers and cage assemblies

K3X5X7	K3X5X9	K3X6X7	K4X7X7	K4X7X10	K5X8X8	K5X8X10
K6X9X8	K6X9X10	K6X10X13	K7X9X7	K7X10X8	K7X10X10	K8X11X8
K8X11X10	K8X11X13	K8X12X10	K9X12X10	K10X13X10	K10X13X13	K10X13X16
K10X14X10	K10X14X13	K10X16X12	K12X15X10	K12X15X13	K12X16X13	K12X17X13
32 more than 1000 K series of needle rollers and cage assemblies						

K12X18X12	K14X18X10	K14X18X13	K14X18X15	K14X18X17	K14X20X12	K15X18X17
K15X19X10	K15X19X13	K15X19X17	K15X20X13	K15X21X15	K15X21X21	K16X20X10
K16X20X13	K16X20X17	K16X20X17	K16X22X12	K16X22X16	K16X22X20	K16X24X20
K17X21X10	K17X21X13	K17X21X17	K18X22X10	K18X22X13	K18X22X17	K18X24X12
K18X24X13	K18X24X20	K18X25X22	K19X23X13	K19X23X17	K20X24X10	K20X24X13
K20X24X17	K20X26X12	K20X26X13	K20X26X17	K20X26X20	K20X28X16	K20X28X20
K20X28X25	K20X30X30	K21X25X13	K22X26X10	K22X26X13	K22X26X17	K22X28X17
K22X29X16	K22X30X15	K22X32X24	K23X35X16	K24X28X10	K24X28X13	K24X28X17
K24X30X17	K24X30X31	K25X29X10	K25X29X13	K25X29X17	K25X30X17	K25X30X20
K25X30X26	K25X31X17	K25X31X21	K25X32X16	K25X33X20	K25X33X24	K25X33X24
K25X35X30	K26X30X13	K26X30X17	K26X30X22	K28X33X13	K28X33X17	K28X34X17
K28X35X16	K28X35X18	K28X40X25	K30X34X13	K30X35X13	K30X35X17	K30X35X27
K30X37X16	K30X37X18	K30X40X18	K30X40X30	K32X37X13	K32X37X17	K32X37X27
K32X38X20	K32X39X18	K32X40X25	K35X40X13	K35X40X17	K35X40X27	K35X42X16
...	
K75X83X35	K75X83X30	K75X83X45	K75X83X40	K80X86X20	K80X88X30	K80X88X40
K80X88X46	K85X92X20	K90X97X20	K90X98X30	K95X103X30	K95X103X40	K100X107X21
K100X108X27	K100X108X30	K105X112X21	K110X117X24	K110X118X30	K115X123X27	K120X127X24
K125X133X35	K130X137X24	K135X143X35	K145X153X26	K150X160X146	K155X163X26	K160X170X46
K165X173X26	K175X183X32	K185X195X37	K195X205X37	K210X220X42	K220X230X42	K240X250X42
32 more than 1000 K series of needle rollers and cage assemblies						

full complement needle roller bearings

full complement needle roller bearings is a type of roller bearing that has the maximum number of needle rollers arranged radially within the bearing raceway. needle roller bearings are a type of cylindrical roller bearing, and they use long, thin, cylindrical rollers, needle rollers to reduce friction between rotating components. the term "full complement" indicates that the bearing contains the maximum number of rollers possible without using a cage or separator between the rollers.

in a standard needle roller bearing, a cage or separator is used to space and guide the rollers. however, in a full complement needle roller bearing, there is no cage, and the needles are in direct contact with each other. this design allows for a higher radial load-carrying capacity because more rollers can fit into the available space.

full complement needle roller bearings are commonly used in applications where high radial load-carrying capacity and compact design are essential. However, they may have limitations in terms of speed and may not be as suitable for applications with high rotational speeds due to increased friction and the absence of a cage to separate the rollers.

full complement needle roller bearings find applications in various industries, including automotive, industrial machinery, and agricultural equipment, where they are employed in situations requiring robust performance under heavy radial loads.

types of needle roller and cage bearings, catalogues of needle roller and cage assemblies

series code	bearing name	characteristics
GH	cage assembly without roller locating for crank pins	H Series, split type.
GK	needle roller and split cage assemblies.	K Series, split type.
GPK	needle roller and split cage assembly for crank pins.	RK Series, split type cage assembly with M shaped structure.
H	cage assembly without roller locating for crank pins.	high rigidity cage assembly capable of higher speeds than the PK Series.
K	Needle roller and cage assemblies.	Basic type with high rigidity cage assembly.
KBK	Needle roller and cage assembly for piston pins.	Bore diameter guide for cage assembly high rigidity cage assemblies.
types of needle roller and cage bearings, catalogues of needle roller and cage assemblies		

series code	bearing name	characteristics
PK	needle roller and cage assembly for crank pins.	outside diameter guide for cage assembly with M shaped structure.
KMJ	needle roller and cage assemblies.	steel-plate cage assembly cage assembly with M shaped structure.
PCJ	needle roller and cage assemblies.	steel-plate cage assembly, cage assembly with M shaped structure inch series.
GK...S	needle roller and split cage assemblies.	thick steel-plate cage assembly high rigidity cage assemblies.
GKV...S	needle roller and split cage assemblies.	thick steel-plate cage assemblies.
K...S	needle roller and cage assemblies,	thick steel-plate cage assembly high rigidity cage assemblies,
KJ...S	Needle roller and cage assemblies.	Steel-plate cage assemblies.
KMJ...S	needle roller and cage assemblies.	steel-plate cage assembly, cage assembly with M shaped structure.
KV...S.	needle roller and cage assemblies.	thick steel-plate cage assembly high rigidity cage assembly, cage and assembly with V-shaped structure.
SK...S	needle roller and single split cage assemblies.	K-S Series, single split type.
SKJ...S	needle roller and single-split cage assemblies.	KJ-S Series, single-split type.
SKV...S	needle roller and single split cage assemblies.	KV-S Series, single-split type.
K...T2	needle roller and cage assemblies.	molded cage assembly of polyamide plastic Max. permissible temperature: 120C. Max. continuous operating temperature: 100C.
types of needle roller and cage bearings, catalogues of needle roller and cage assemblies		

needle roller bearings cylindrical roller bearings tapered roller bearings slewing bearings copyright©2015 YDTech®