

## **FIXED BALL BEARINGS**

6000 / 6200 / 6300 / 6400 / 16000 / 16100 / 61800 / 61900



- ZR Single metal cover
- 2ZR Double metal cover
- RSR Single seal cover
- 2RSR Double seal cover
- N Circular ring groove
- ZRN Single metal cover and circular circlip groove
- 2ZRN Double metal cover and circular circlip groove

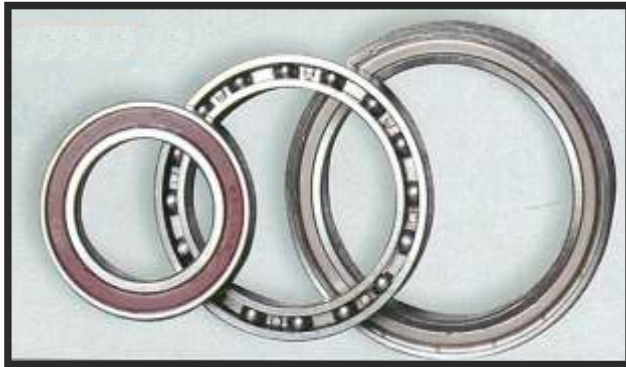
## **SINGLE ROW FIXED BALL BEARINGS**



6000 / 6200 / 6300 / 6400 SERIES



16000 / 16100 SERIES



61800 / 61900 SERIES



6000 / 6200 / 6300 / 6400 SERIES

Single row deep groove ball bearings handle radial and axial loads and can operate at high speeds. Because of these features, they are the most commonly used bearing types. Angular adaptability capacities are limited. Therefore, axial misalignment of the places where they are installed must be carefully controlled.

## **DOUBLE ROW FIXED BALL BEARINGS**

It has the same features as Single Row deep groove ball bearings, but because it is double row, it has more load bearing capability.



4200 / 4300 SERİLERİ

## ANGLE BALL SHOULDER BEARINGS

7000 / 7100 / 7200 / 7300 / 3200 / 3300 / QJ



## ANGULAR CONTACT BEARINGS SINGLE ROW



7000 / 7100 / 7200 / 7300 SERİLERİ

## FOUR POINT BEARINGS QJ SERIES



Four-point bearings are from the group of single-row angular contact ball bearings and accept axial loads from both directions. Inner and outer ring The profile of the movement paths in axial section is in the form of a circular arc with pointed arches. Ring of four-point bearings is in two parts.



## ANGLE BALL BEARING / DOUBLE ROW

3200 / 3300 SERIES



Double row angular contact ball bearing is a single row angular contact ball bearing in - O- arrangement. This bearing is high radial It can bear forces and axial forces in both directions.

## SPHERICAL BALL BEARINGS

1200 / 1300 / 2200 / 23001 11200 / 11300 SERIES



Self-aligning ball bearings are double row balls and their outer compound travel paths are spherical. This situation causes the bearing to play in the angular direction. it pays off. It provides axial misalignment, shaft stretching and housing deformations. self-aligning ball bearingscylindrical or conical bore.

## CYLINDRICAL ROLLER BEARINGS



Cylindrical roller bearings can be disassembled. This feature facilitates mounting and dismounting, as well as both bearings. they can be tightened on the bracelet. Improved linear contact between rollers and travel paths prevents edge tensions. It is divided into several types according to the invoice layout.

### NU TYPE



*The outer ring of the NU Type has two ribs and the inner ring is without ribs.*

### N TYPE



*The inner ring of the N Type has two ribs and the outer ring is without ribs.*

Cylindrical roller bearings of types NU and N are free bearings. Being detachable makes it easy to assemble and disassemble. makes it easier. It can be fitted tightly to both bracelets.

### NJ TYPE



Two ribs on the outer ring of NJ Type cylindrical roller bearings is found. On the other hand, the inner ring has a single invoice. Thus the only They can absorb the axial forces in the direction.

### NUP TYPE



NUP type cylindrical roller bearings have two invoice, a fixed invoice and a free invoice on the inner ring. has a cover. It counteracts axial forces in variable direction.

## CYLINDRICAL ROLLER BEARING

**NN TYPE**



NN type bearings have two sides of the inner ring as in N type. The outer ring is without invoice. NN type bearings with double row cylindrical rollers bearing.

**RNU TYPE**



with RNU cylindrical roller bearings obtaining bearings with a small footprint is done. Here the reels are directly hardened and ground shaft turns on.

**NJ ve HJ TYPE**



An NJ-type spur bearing with an HJ shank ring forms a solid bearing like a NUP bearing when used.

**NU ve HJ TYPE**



An NU type plain bearing with an HJ ring when used together with a single invoice as in NJ type forms the belly.

**NNU TYPEİ**



NNU type bearings are double row cylindrical roller bearings as well as NN type. As with the NU type, both sides of the outer ring are ribbed. The inner ring is without invoice.

## SEVERAL ROLLER BEARINGS

20000 / 21000 / 22000 / 23000 / 24000 SERIES



## SEVERAL ROLLER BEARINGS

20200 / 20300 / 20400 SERIES



Single row spherical roller bearings one row angular  
 It consists of reels capable of adapting,  
 The carrying capacity in the radial direction is quite high. Axis  
 For designs where offsets are desired to be compensated  
 it is quite suitable. These bearings that don't come apart  
 Available in cylindrical and conical bores.

21300 / 22200 / 22300 / 23000 / 23100 / 23200 / 23300 / 24000 / 24100 SERIES



The spherical roller bearing can withstand the heaviest stresses.  
 It is a suitable type of bearing. This bearing outer ring  
 spontaneously into the hollow spherical motion path  
 It has two rows of symmetrical rollers that can fit.  
 In this way, shaft bending and bearing seating  
 eccentricity of the places is balanced. Playful  
 roller bearings with large diameter and length  
 as many reels as possible  
 is found. Between the rollers and the travel paths  
 A uniform distribution of tension, thanks to good leaning  
 and a high carrying ability is achieved. Vibratory  
 collapsed for particularly heavy strains such as loads  
 special swivel in gauge and increased radial clearance  
 There are roller bearings. These bearings  
 known by its suffixes. For example C4 - VA405- T41  
 It's like the F80. Spherical roller bearings with tapered bore  
 or cylindrical holes.

## TAPERED ROLLER BEARINGS

30200 / 30300 / 31300 / 32000 / 32200 / 32300 / 32900 / 33000 / 33100 / 33200



Tapered roller bearings other than integrated-tapered roller bearings with sealing element, inner ring with roller ring and the outer ring can be disassembled so that they can be fitted separately. Corrected between the rollers and the travel path Thanks to the lines contact, edge tensions are prevented. Tapered roller bearings have axial forces in one direction only. A second tapered roller bearing usually needs to be installed in the opposite direction for counter-guiding.

## AXIAL SQUARE ROLLER BEARING

29200 / 29300 / 29400 SERIES



Thrust-spherical roller bearings carries large axial forces and relatively high speed shows suitability. To the bearing axis inclined motion paths bearing radial loads can afford. radial load axial must be less than 55% of the force.

## TAPERED ROLLER BEARING (D SERIES)



TDO, a two-row bearing type, consists of a one-piece (double) outer ring and two single inner rings. This configuration It provides a large effective bearing lateral scattering to support the loads generated in the moment of upside down tipping. TDO bearings can also be used in fixed positions or in the housing bore to accommodate shaft expansion. they can be allowed to swim.

## AXIAL FIXED BALL BEARINGS

51100 / 51200 / 51300 / 51400 / 52200 / 52300 / 52400 SERIES



Thrust deep groove ball bearings are produced as one-way and two-way designs. These bearings have high axial directions they do not carry radial load. Spherical seat in addition to the conventional design with planar seating surface Thrust ball bearings with disc and seat ring are available.

### AXIS HAND FIXED BALL BEARING

51000 SERIES



### AXIAL FIXED BALL BEARING

52000 SERIES



## AXIAL CYLINDRICAL ROLLER BEARINGS



Rigid handling with axial - cylindrical roller bearings high capacity and insensitive to impacts bearings are obtained. Simple parts of the bearing its structure allows many combinations to be made. For example, an axial cylindrical roller bearing caps can be fitted with axial needle hoops. In simpler bearings, it can be done in reverse and axial the motion normally used in needle hoops axial cylindrical roller covers and axial covers Can also be combined with hoops. Axial cylindrical roller bearings thrust ball or thrust needle bearings In cases where the carrying capacity is insufficient used.



## BED ROLLER



In addition to the bearings, they are practical bearing types that vary according to their special use. According to the places of use it is produced in different types and sizes.

ROLLER

**UCP SERIES**



**UCF SERIES**



**UCFL SERIES**



**UCFA SERIES**



**UCFC SERIES**



**UCFB SERIES**



**UCPH SERIES**



**UCT SERIES**



**UCPA SERIES**



## SHEET BED TYPES

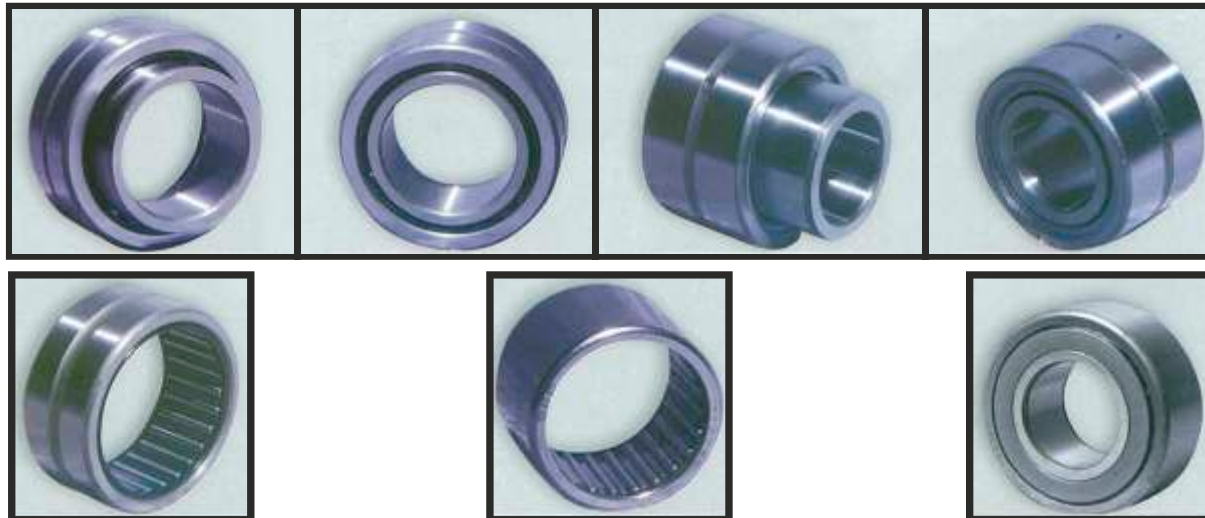


## NEEDLE BEARINGS

HK- NK- NKI - NKIS - NAX- NAXK- NAO - NA- RNA- NA TR- NUTR SERIES



## NKS SERIES NEEDLE BEARINGS



SPIN BEARINGS / WITHOUT INNER RING  
 NK- NKJ / RNA SERIES

NEEDLE BEARINGS  
 HK SERIES

NATR SERIES / THROUGH CHEEK WASHER  
 THE AXIS IS HAND GUIDED.



AS 1 AXK AXIAL SPIN BEARINGS



NKX THREADED AXIAL BALL BEARINGS



CR TYPE NEEDLE BEARINGS  
 SAFT INVOICE AND CHEEK  
 AXIAL THROUGH WASHER  
 GUIDING



ROLLER

## JOINTS AND SHAFT HEAD BEARINGS



JOINT - CROSSER



PHS SERIES  
SHAFT HEAD BEARING



POS SERIES  
SHAFT HEAD BEARING



GE SERIES JOINTS



ZBL SERIES  
CONNECTION JOINT

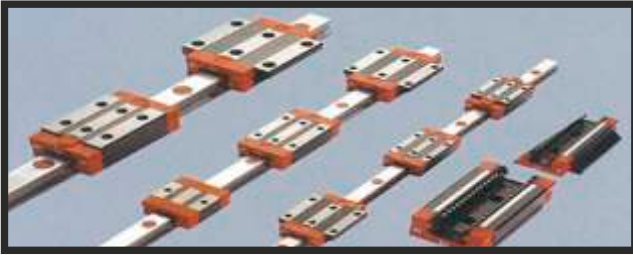
## GRAIN MARKS AND COILS



## AUTOMOTIVE BEARINGS



## LINEAR BEARINGS AND GUIDING SYSTEMS



LINEAR CARS AND SPRINGS



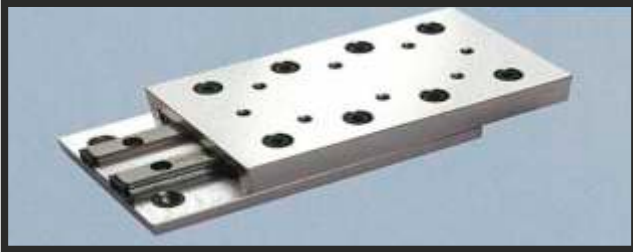
SCREW SHAFTS



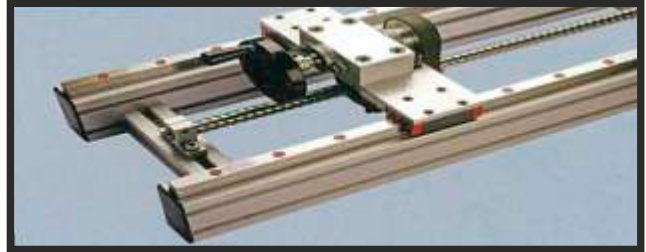
PRECISION LINEAR GUIDES



SCREW SHAFT BEARINGS



LINEAR GUIDES



LINEAR GUIDE MODULES



SCREW SHAFT END BEARINGS



LINEAR SLIDES WITH TROLLEY



SCREW SHAFT END BEARINGS



LME TYPE LINEAR BEARINGS

## **BEARING BEARINGS**



SN TYPE BEDS



SNH TYPE BEARINGS



722500 DB SERIES OPEN TYPE BEARINGS



722500 DA SERIES CLOSED TYPE BEARINGS



SD SERIES HEAVY DUTY BEARINGS

SNH TYPE BEARINGS

## CUTS



H - AH - AOH - AHX TYPE CUTS



H 200 / H 300 / H 2300 / H 3100 TENSIONING CUTS



AH TYPE FITTING CUTS

## NAILS NUT AND WASHERS



NAILS WASHERS



NAIL WASHERS

## DETECTION BRACELETS



FRM / FRB SERIES

## POWER TRANSMISSIONS

### BUSH PULLEY



### TIMING PULLEYS



In our age, with the advancement of technology, the assembly, disassembly and use of machine equipment has become easier and more practical. has arrived. Bushing pulleys are easy to assemble since the pulley and the hub are separate. self balancing It does not require any second operation.

### CASTING V PULLEY



13-17-22-25MM / DÖKÜM V KASNAKLARI

SPECIAL CASTING V PULLEY

SPECIAL CASTING STEP V PULLEY