



Advantages Bearing for fork lift trucks | Article No.: 205.118.000

- We use exclusive steel such as UNI 16 Cr Ni 4 and EN 31-SAE 52 100
- All bearings are deliverable ex stock
- Special designs of cylindrical roller bearings [on request](#)

Technical dimensions

Type	d mm	D mm	B mm	C	C ₀
205-118	25	62,4	20	14.500N	8.000N

Load capacity

Type	C [kN]	C ₀ [kN]	Weight in kg	Guide Profiles
205-118	14,5	8,0	0,35	Standard 0 NbV PG 0 NbV

C = Dynamic load capacity radial bearing (ISO 281/1), C₀ = Static load capacity radial bearing (ISO 76),



General Advice WINKEL Bearings

With our WINKEL Bearings vertical and horizontal movements on machines and lifting devices can be solved economically.

Advantage of the WINKEL Bearing system:

- Reduces your designing and production costs
- Can take up high radial and axial loads
- Strong profiles for high stat. and dynamic loads
- Best dispersion of forces in the profiles
- Longer lifetime for bearings and profiles
- Economical assembling by welding bolt
- Bearing components are easily exchangeable

Dimensions

- For the dimension of bearing and profile, the maximum allowable load $F [N]$ max. stat. should be confirmed. See here [Calculation of of the bearing forces with configurator.](#)

Relubrication

- Our Winkel bearings are full complement cylindrical rollers which are lifetime lubricated for one shift and unsteady operation. Due to many years of experience we can assure you that for these kinds of use there will be no reduction of lifetime at normal applications.
- For applications such as for example in warehouses and machine halls a light surface conservation with commercial spray oil will be sufficient and in addition, a regular relubrication every 6 months.
- For extension of life-time the Winkel bearings 4.054 up to 4.064 are relubricateable. Generally, the relubrication holes are closed with threaded plugs M6. The bearings are delivered without grease nipple.
- In case of special environmental conditions such as dust, incur of dirt, moisture, outdoor operations, temperatures over 40 degrees, frequent load changes (continuous operation) and heavy duty the bearings should be relubricated at least one time per month. For this we would recommend to you to use our [lubrication system Winkel Combi-Lub 1](#) or a central lubrication system.
- Bearings are lubricated with grease grade 3 (e.g. Shell Gadus S2 V100 3)

Working up

- For welding operations on WINKEL Bearings with a diameter less than 100 mm, all bearing components must be disassembled.
- WINKEL Bearings with an outer diameter more than 130 mm should be welded on both sides of the bolt.
- After the assembling of the bearings, or after the adjusting operation, the front side screws should be secured with loctite.
- To avoid cracks in the welded joints please use welding electrodes and cored wire for unalloyed steel. For example electrode: E 42 5 B 42 H 10 according DIN EN 499. For example cored wire: T 42 4 B C 3 H5 / 7 42 4 B M 3 H5 according DIN EN 758.
- The guide ways in the profiles should be lightly greased and not painted.

Special designs

- Special bolts are available for WINKEL Bearings of type (PR) 4.072 (P) to (PR) 4.080 (P).

System solutions

- We construct and manufacture complete lift- and handling units according to customer needs. Constructions with CAD and a progressive production enables high flexibility in achieving complete solutions in the field of handling systems and automation.

Tolerances

- For all not tolerated dimensions counts ISO 2768 - m