



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:00 (UTC)



HR32215J

Metric Series Tapered Roller Bearings

Dimension series

| | | | |
|-----|-----|---------------------------------|--|
| ISO | 4DC | ISO355 dimension series approx. | |
|-----|-----|---------------------------------|--|

Boundary Dimensions

| | | | |
|---------------|-------|----|--|
| d | 75 | mm | Bore diameter |
| D | 130 | mm | Outside diameter |
| T | 33.25 | mm | Total width |
| B | 31 | mm | Width of inner ring |
| C | 27 | mm | Width of outer ring |
| Cup r (min.) | 1.5 | mm | Chamfer dimension of outer ring (Cup) |
| Cone r (min.) | 2 | mm | Chamfer dimension of inner ring (Cone) |

Basic Load Ratings

| | | | |
|-----|--------|---|---------------------------|
| Cr | 203000 | N | Basic dynamic load rating |
| C0r | 219000 | N | Basic static load rating |

Speeds

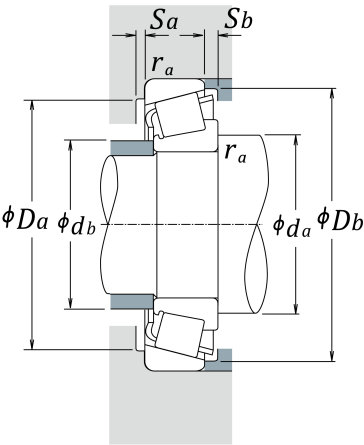
| | | | |
|----------------|------|-------|----------------------|
| Grease | 2800 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 3800 | min-1 | Oil-bath lubrication |

Dimensions

| | | | |
|---|------|----|-----------------------|
| a | 29.8 | mm | Effective load center |
|---|------|----|-----------------------|

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|---|
| da (min.) | 87 | mm | Diameter of shaft abutment |
| Db (min.) | 125 | mm | Diameter of housing abutment |
| Da (min.) | 113 | mm | Diameter of housing abutment |
| Da (max.) | 121 | mm | Diameter of housing abutment |
| Sa | 4 | mm | Minimum width of space required in housing on large side face |
| Sb | 6 | mm | Minimum width of space required in housing on small side face |
| db (max.) | 84 | mm | Diameter of shaft abutment |
| ra (max.) | 2 | mm | Radius of shaft or housing fillet of inner ring |
| ra (max.) | 1.5 | mm | Radius of shaft or housing fillet of outer ring |



Calculation factors

| | | |
|----|------|--------------------|
| e | 0.44 | Constant |
| Y0 | 0.76 | Axial load Factors |



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| | | |
|----|-----|--------------------|
| Y1 | 1.4 | Axial load Factors |
|----|-----|--------------------|

Mass

| | | | |
|--------------|------|----|--------------|
| Mass approx. | 1.72 | kg | Mass approx. |
|--------------|------|----|--------------|