



NU308ET
Single-Row Cylindrical Roller Bearings

Boundary Dimensions

| | | | |
|-----------|-----|----|--------------------------------|
| d | 40 | mm | Bore diameter |
| D | 90 | mm | Outside diameter |
| B | 23 | mm | Width |
| FW | 52 | mm | Raceway diameter of inner ring |
| r (min.) | 1.5 | mm | Chamfer dimension |
| r1 (min.) | 1.5 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|--------|---|---------------------------|
| Cr | 102000 | N | Basic dynamic load rating |
| C0r | 81500 | N | Basic static load rating |

Speeds

| | | | |
|-------------------------------------|-------|-------|---|
| Thermal Speed Rating (Oil-bath) | 7500 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312 |
| Mechanical (forced-circulation oil) | 10000 | min-1 | Properly designed and controlled forced-circulation oil lubrication |
| Grease | 6700 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 8000 | min-1 | Oil-bath lubrication |

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|--|
| da (min.) | 48 | mm | Diameter of shaft abutment |
| db (min.) | 48 | mm | Diameter of shaft / spacer sleeve abutment |
| db (max.) | 50 | mm | Diameter of shaft / spacer sleeve abutment |
| dc (min.) | 55 | mm | Diameter of shaft abutment |
| dd (min.) | 60 | mm | Diameter of shaft abutment |
| Da (max.) | 82 | mm | Diameter of housing abutment |
| ra (max.) | 1.5 | mm | Radius of shaft or housing fillet |
| rb (max.) | 1.5 | mm | Radius of shaft or housing fillet |

Mass

| | | | |
|--------------|-------|----|--------------|
| Mass approx. | 0.645 | kg | Mass approx. |
|--------------|-------|----|--------------|

