

**FAG****NU2088-E-M1A-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-M1A, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

## Technical information

**Your current product variant**

Design	E	Increased Capacity Design
Cage	M1A	Two Piece Brass Cage Lip guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	440 mm	Bore diameter
D	650 mm	Outside diameter
B	122 mm	Width
$C_r$	2.600.000 N	Basic dynamic load rating, radial
$C_{0r}$	5.000.000 N	Basic static load rating, radial
$C_{ur}$	465.000 N	Fatigue load limit, radial
$n_G$	1.560 1/min	Limiting speed
$n_{gr}$	580 1/min	Reference speed
$m$	142,61 kg	Weight



### Mounting dimensions

$d_{a \min}$	463 mm	Minimum diameter shaft shoulder
$d_{a \max}$	488 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	496 mm	Minimum shaft shoulder
$D_{a \max}$	627 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius
$r_{a1 \max}$	5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	6 mm	Minimum chamfer dimension
$r_{1 \min}$	6 mm	Minimum chamfer dimension
s	9,5 mm	Axial displacement
E	604 mm	Raceway diameter outer ring
F	492 mm	Raceway diameter inner ring
$D_{1 \min}$	585,7 mm	Minimum rib diameter outer ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed