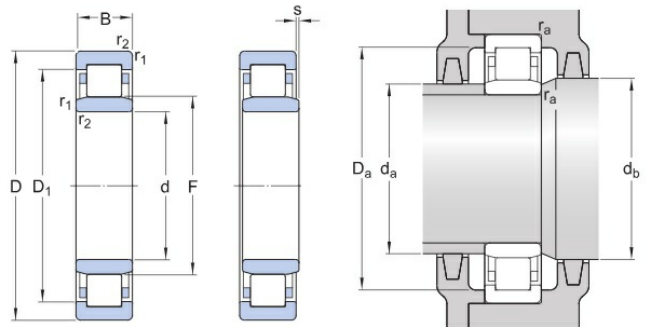


NU20/530ECMA



Technical sheet of NU20/530ECMA

Type :	Single row cylindrical roller bearings	
Model :	NU20/530ECMA	
Main dimensions :	530 mm × 780 mm × 145 mm	Bore Dia × Outside Dia × Width Dia
M kg:	254	Mass
HS Code :	8482500090	Bearing customs code
d mm:	530	inner ring diameter
D mm:	780	Outer ring diameter
B(T) mm:	145	Overall Width
Cr kN:	3737.882	Radial dynamic load rating
C0r kN:	7349.49	Radial static load rating
Grease r/min:	663	Reference speed
Oil r/min:	980	Limiting speed

Detailed parameters and installation dimensions:

Part Number	NU20/530ECMA
Cage	MA = Machined brass cage, outer ring centred
Units	Metric

Series	NU20 series (NU20..ECMA)
Speed ratings (grease) - n_B	663 min ⁻¹
Speed ratings (oil) - n_G	980 min ⁻¹
Seal	Open
Rows NO.	One
Bore Type	Cylindrical bore
Dimension Inside - $d \phi$	530 mm 20.866 inch
Accuracy class	PN
RIC	CN
Bearing Mass - m	254 kg 559.968 lb
Calculation coefficient - k_r	0.2
Limiting value - e	0.3
Calculation coefficient - Y	0.4
Heat stabilized	150 °C(300 °F)
Dimension Outside - $D \phi$	780 mm 30.709 inch
Dimension Width - B	145 mm 5.709 inch
Design type	NU = have two integral flanges on the outer ring and no flanges on the inner ring
Internal design	EC = Optimized internal design
Radial Dynamic Capacity - C_r	3737882 N 840275 lbf
Dimension - D_1	704 mm 27.716 inch
Radial Static Capacity - C_{0r}	7349490 N 1652165 lbf
Bearing part	Complete
Axial displacement capability	In both directions
Fatigue load limit - P_U	549440 N 123514 lbf
Manufacturer Part Code	NU 20/530 ECMA
Bearing Type	Single row NU design, cylindrical roller bearing
Permissible axial displacement - s (max)	6.8 mm 0.268 inch
Dimension - r_1, r_2 (min.)	6
Dimension - F	591 mm 23.268 inch
Ring	outer ring(2), inner ring(0)
Flange	No
Ring Material	GCr15SiMn
Mounting dimensions housing - D_a max	757 mm 29.803 inch
Fillet radius - ra max	5 mm 0.197 inch
Mounting dimensions spacer sleeve - d_a min.	553 mm 21.772 inch
Mounting dimensions spacer sleeve - d_a max.	587 mm 23.110 inch
Roller Material	GCr15SiMn
External design	No
Mounting dimensions shaft - d_b min.	596 mm 23.465 inch
Coating	No

Lubricant	No
Relubrication	No

Tradebearing(TBS) - Bearing Enquiry: <https://en.tradebearings.com/>

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