

## N 315 ECM

- Popular item  
- SKF Explorer

### Cylindrical roller bearings, single row

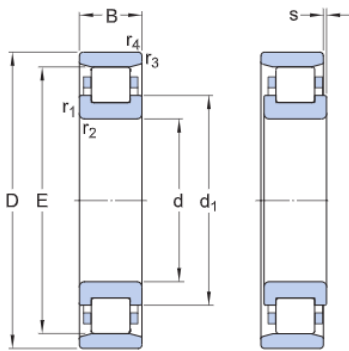
#### Bearing data

[Tolerances](#),  
Normal (metric), P6, Normal (inch),  
[Radial internal clearance](#),  
cylindrical bore, tapered bore,  
[Axial internal clearance](#),  
NUP, NJ + HJ

#### Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification

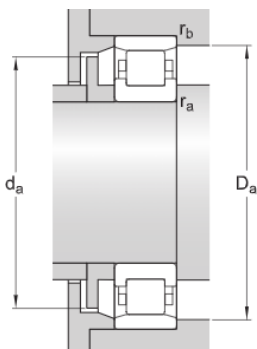


### DIMENSIONS

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	37 mm	Width
d1	≈104 mm	Shoulder diameter of inner ring
E	143 mm	Raceway diameter of outer ring
r1,2	min.2.1 mm	Chamfer dimension
r3,4	min.2.1 mm	Chamfer dimension
s	max.1.8 mm	Permissible axial displacement

### ABUTMENT DIMENSIONS

da	min.87 mm	Diameter of spacer sleeve
da	max.140 mm	Diameter of spacer sleeve
Da	min.146 mm	Diameter of housing abutment
Da	max.148 mm	Diameter of housing abutment
	max.2	Radius of



ra	mm	fillet
rb	max.2 mm	Radius of fillet

## CALCULATION DATA

Basic dynamic load rating	C	280 kN
Basic static load rating	C <sub>0</sub>	265 kN
Fatigue load limit	P <sub>u</sub>	33.5 kN
Reference speed		4 500 r/min
Limiting speed		5 300 r/min
Minimum load factor	k <sub>r</sub>	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

## MASS

Mass		3.79 kg
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