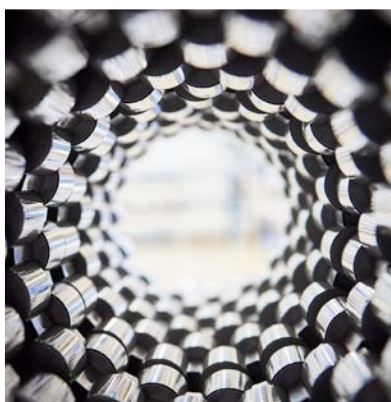
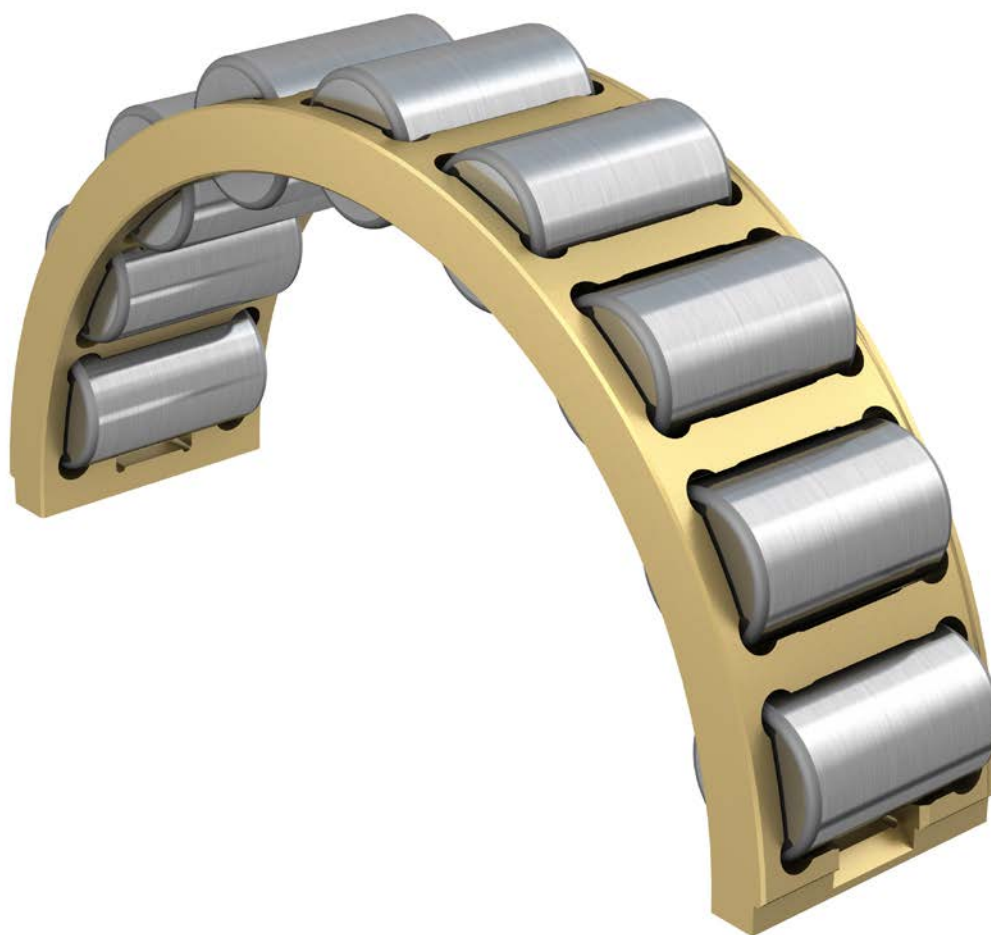


# Improve uptime with the E-series upgrade

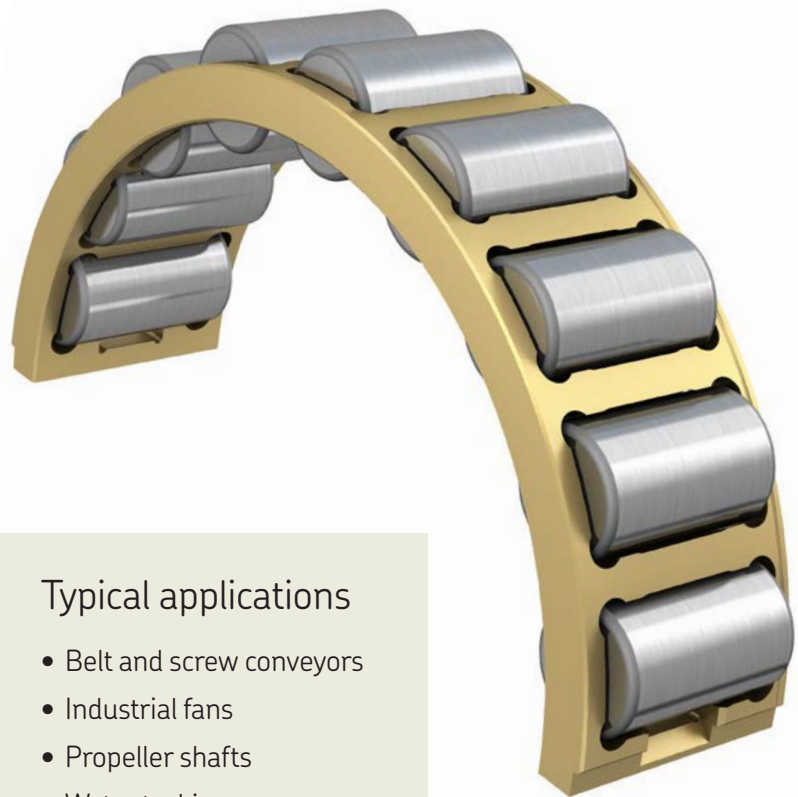
Discover the benefits of the SKF Cooper E-series with increased carrying capacity



# Making an excellent product even better

SKF Cooper roller split bearings are ideal for reducing machinery maintenance and repair downtime. The advantages of the SKF Cooper split bearing solution are especially valuable in tight, inaccessible or trapped locations, for example, between the head pulley and gearbox or motor, where the need to dismount associated equipment is eliminated.

The upgraded E-series includes an extended range of series O1 and O2 bearings in bore sizes up to 150 mm, complementing the entire product range with sizes up to 300 mm. You can replace existing O1 and O2 bearings with new bearings in the same dimensions. The upgrade includes a unique and patented brass cage design with an optimized roller complement, increasing the carrying capacity and the rating life. This contributes to improved service life and uptime.



## Typical applications

- Belt and screw conveyors
- Industrial fans
- Propeller shafts
- Water turbines
- Industrial drive shafts

*The patented cage design*



# How you benefit from the upgrade

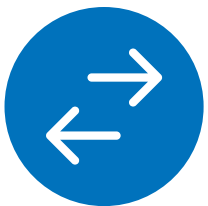


## High carrying capacity

Unique and patented brass cage design



Longer  $L_{10}$  life and greater safety margins

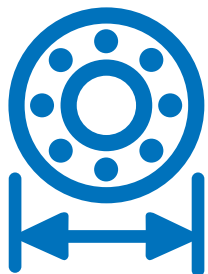


## Fully interchangeable

Dimensionally interchangeable with corresponding 01 and 02 bearings



No changes needed to housing, cartridge or shaft



## Wide product range

Product range up to 300 mm shafts

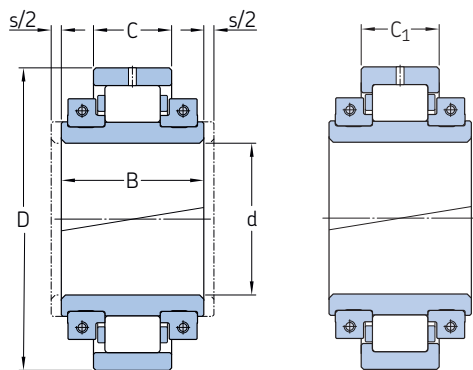


Works for a large number of applications

Split cylindrical roller bearings and cartridges

d 35 – 60 mm

1 3/16 – 2 1/4 in.



Non-locating

Locating

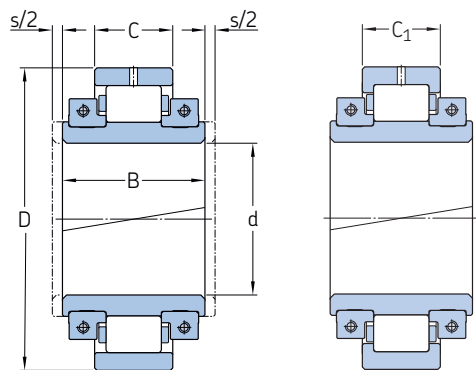
Shaft diameter and bearing/cartridge dimensions				Load ratings			Limiting speed	Designations <sup>2)</sup> Bearing	
d	D	B	C	C <sub>1</sub>	dynamic	static			axial
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>	r/min	
					kN			–	
<b>1 3/16</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB103</b>
<b>1 1/4</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB104</b>
<b>35</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB35M</b>
<b>1 7/16</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB107</b>
<b>1 1/2</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB108</b>
<b>40</b>	84.14	50.1	23.8	23.8	81	86	3.6	5 400	<b>01EB40M</b>
<b>1 11/16</b>	98.42	55.7	25.4	25.4	95	105	3.8	4 630	<b>01EB111</b>
<b>1 3/4</b>	98.42	55.7	25.4	25.4	95	105	3.8	4 630	<b>01EB112</b>
<b>45</b>	98.42	55.7	25.4	25.4	95	105	3.8	4 630	<b>01EB45M</b>
<b>1 15/16</b>	98.42 107.95	55.7 67.5	25.4 35	25.4 35	95 139	105 152	3.8 9.3	4 630 4 350	<b>01EB115</b> <b>02EB115</b>
<b>50</b>	98.42 107.95	55.7 67.5	25.4 35	25.4 35	95 139	105 152	3.8 9.3	4 630 4 350	<b>01EB50M</b> <b>02EB50M</b>
<b>2</b>	98.42 107.95	55.7 67.5	25.4 35	25.4 35	95 139	105 152	3.8 9.3	4 630 4 350	<b>01EB200</b> <b>02EB200</b>
<b>55</b>	114.3	55.7	27	27	135	157	7.2	3 940	<b>01EB55M</b>
<b>2 3/16</b>	114.3 127	55.7 72.3	27 38.9	27 38.9	135 179	157 205	7.2 13.5	3 940 3 680	<b>01EB203</b> <b>02EB203</b>
<b>2 1/4</b>	114.3 127	55.7 72.3	27 38.9	27 38.9	135 179	157 205	7.2 13.5	3 940 3 680	<b>01EB204</b> <b>02EB204</b>
<b>60</b>	114.3 127	55.7 72.3	27 38.9	27 38.9	135 179	157 205	7.2 13.5	3 940 3 680	<b>01EB60M</b> <b>02EB60M</b>

<sup>1)</sup> "s" is the total permissible axial displacement from one extreme position to the other. "s/2" is the permissible displacement from the central position.

<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

Split cylindrical roller bearings and cartridges

d 65 – 80 mm  
2 7/16 – 3 1/4 in.



Non-locating

Locating

Shaft diameter and bearing/cartridge dimensions				Load ratings			Limiting speed	Designations <sup>2)</sup> Bearing	
d	D	B	C	C <sub>1</sub>	dynamic	static			axial
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>		
					kN			r/min	
<b>2 7/16</b>	114.3	55.7	27	27	135	157	7.2	3 940	<b>01EB207</b> <b>02EB207</b>
	127	72.3	38.9	38.9	179	205	13.5	3 680	
<b>2 1/2</b>	114.3	55.7	27	27	135	157	7.2	3 940	<b>01EB208</b> <b>02EB208</b>
	127	72.3	38.9	38.9	179	205	13.5	3 680	
<b>65</b>	114.3	55.7	27	27	135	157	7.2	3 940	<b>01EB65M</b> <b>02EB65M</b>
	127	72.3	38.9	38.9	179	205	13.5	3 680	
<b>2 11/16</b>	133.35	61.2	31.8	31.8	166	197	10.8	3 310	<b>01EB211</b> <b>02EB211</b>
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>2 3/4</b>	133.35	61.2	31.8	31.8	166	197	10.8	3 310	<b>01EB212</b> <b>02EB212</b>
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>70</b>	133.35	61.2	31.8	31.8	166	197	10.8	3 310	<b>01EB70M</b> <b>02EB70M</b>
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>2 15/16</b>	114.3	48	27	27	91	128	7	4 125	<b>100B215</b> <b>01EB215</b> <b>02EB215</b>
	133.35	61.2	31.8	31.8	166	197	10.8	3 310	
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>75</b>	133.35	61.2	31.8	31.8	166	197	10.8	3 310	<b>01EB75M</b> <b>02EB75M</b>
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>3</b>	133.35	61.2	31.8	31.8	166	197	10.8	3 310	<b>01EB300</b> <b>02EB300</b>
	149.22	82.6	46.1	46.1	264	330	13.7	3 080	
<b>80</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB80M</b> <b>02EB80M</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>3 3/16</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB303</b> <b>02EB303</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>3 1/4</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB304</b> <b>02EB304</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	

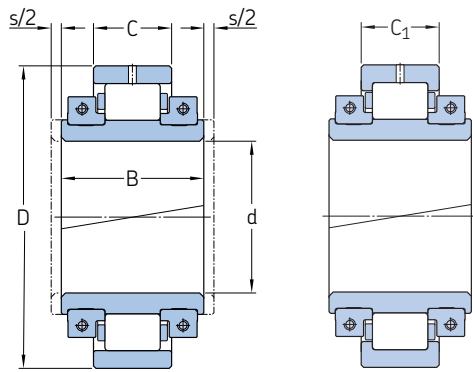
<sup>1)</sup> "s" is the total permissible axial displacement from one extreme position to the other. "s/2" is the permissible displacement from the central position.

<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

Split cylindrical roller bearings and cartridges

d 85 – 100 mm

3 7/16 – 4 in.



Non-locating

Locating

Shaft diameter and bearing/cartridge dimensions				Load ratings			axial	Limiting speed	Designations <sup>2)</sup> Bearing
d	D	B	C	C <sub>1</sub>	dynamic	static			
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>	r/min	–
					kN				
<b>85</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB85M</b> <b>02EB85M</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>3 7/16</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB307</b> <b>02EB307</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>3 1/2</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB308</b> <b>02EB308</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>90</b>	152.4	70.7	38.9	38.9	234	299	13.6	2 790	<b>01EB90M</b> <b>02EB90M</b>
	169.86	89.7	48.4	48.4	305	387	18.8	2 520	
<b>3 11/16</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB311</b> <b>02EB311</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>95</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB95M</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>3 3/4</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB312</b> <b>02EB312</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>100</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB100M</b> <b>02EB100M</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>3 15/16</b>	152.4	65	38.9	38.9	191	288	18.3	3 090	<b>100B315</b> <b>01EB315</b> <b>02EB315</b>
	174.62	81	45.3	45.3	320	421	19.6	2 340	
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>4</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB400</b> <b>02EB400</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	

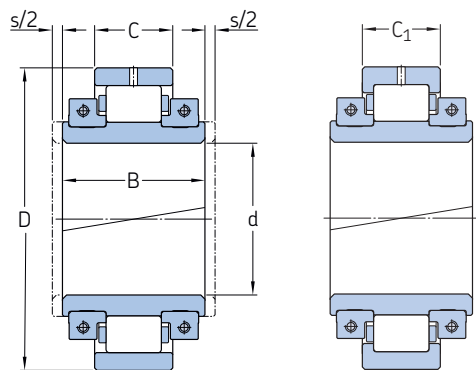
<sup>1)</sup> "s" is the total permissible axial displacement from one extreme position to the other. "s/2" is the permissible displacement from the central position.

<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

Split cylindrical roller bearings and cartridges

d 105 – 125 mm

4 3/16 – 4 1/2 in.



Non-locating

Locating

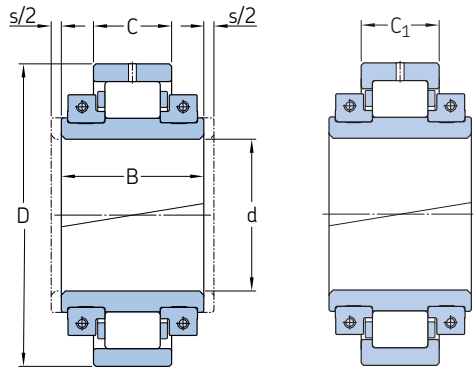
Shaft diameter and bearing/cartridge dimensions					Load ratings			Limiting speed	Designations <sup>2)</sup> Bearing
d	D	B	C	C <sub>1</sub>	dynamic	static	axial		
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>	r/min	–
<b>105</b>	174.62	81	45.3	45.3	320	421	19.6	2 340	<b>01EB105M</b> <b>02EB105M</b>
	193.68	92.1	51.6	51.6	388	491	26.0	2 130	
<b>4 3/16</b>	203.2	84.9	46.9	46.9	306	407	18.6	1 970	<b>01B403</b> <b>02B403</b>
	228.6	100	57.2	57.2	454	583	31.2	1 820	
<b>110</b>	203.2	84.9	46.9	46.9	334	446	20.9	1 970	<b>01EB110M</b> <b>02EB110M</b>
	228.6	100	57.2	57.2	498	628	43.6	1 820	
<b>4 7/16</b>	203.2	84.9	46.9	46.9	334	446	20.9	1 970	<b>01EB407</b> <b>02EB407</b>
	228.6	100	57.2	57.2	498	628	43.6	1 820	
<b>4 1/2</b>	203.2	84.9	46.9	46.9	334	446	20.9	1 970	<b>01EB408</b> <b>02EB408</b>
	228.6	100	57.2	57.2	498	628	43.6	1 820	
<b>115</b>	203.2	84.9	46.9	46.9	334	446	20.9	1 970	<b>01EB115M</b> <b>02EB115M</b>
	228.6	100	57.2	57.2	498	628	43.6	1 820	
<b>120</b>	222.25	89.7	54	54	417	594	27.5	1 740	<b>01EB120M</b> <b>02EB120M</b>
	254	114.3	63.5	63.5	613	794	56.8	1 600	
<b>125</b>	222.25	89.7	54	54	417	594	27.5	1 740	<b>01EB125M</b> <b>02EB125M</b>
	254	114.3	63.5	63.5	613	794	56.8	1 600	

<sup>1)</sup> "s" is the total permissible axial displacement from one extreme position to the other. "s/2" is the permissible displacement from the central position.

<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

Split cylindrical roller bearings and cartridges

d 130 – 145 mm  
 4 15/16 – 5 1/2 in.



Non-locating

Locating

Shaft diameter and bearing/cartridge dimensions				Load ratings			Limiting speed	Designations <sup>2)</sup> Bearing	
d	D	B	C	C <sub>1</sub>	dynamic	static			axial
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>	r/min	
					kN			–	
<b>4 15/16</b>	222.25	89.7	54	54	417	594	27.5	1740	<b>01EB415</b> <b>02EB415</b>
	254	114.3	63.5	63.5	613	794	56.8	1600	
<b>5</b>	222.25	89.7	54	54	417	594	27.5	1740	<b>01EB500</b> <b>02EB500</b>
	254	114.3	63.5	63.5	613	794	56.8	1600	
<b>130</b>	222.25	89.7	54	54	417	594	27.5	1740	<b>01EB130M</b> <b>02EB130M</b> <b>03B130M</b>
	254	114.3	63.5	63.5	613	794	56.8	1600	
	279.4	140	73.1	84.2	706	852	49	1500	
<b>5 3/16</b>	241.3	98.4	55.6	55.6	475	683	35.8	1570	<b>01EB503</b> <b>02EB503</b>
	273.05	117.5	66.7	66.7	649	854	62.6	1450	
<b>135</b>	241.3	98.4	55.6	55.6	394	542	25.8	1570	<b>01B135M</b>
<b>5 7/16</b>	241.3	98.4	55.6	55.6	475	683	35.8	1570	<b>01EB507</b> <b>02EB507</b>
	273.05	117.5	66.7	66.7	649	854	62.6	1450	
<b>5 1/2</b>	241.3	98.4	55.6	55.6	475	683	35.8	1570	<b>01EB508</b> <b>02EB508</b>
	273.05	117.5	66.7	66.7	649	854	62.6	1450	
<b>140</b>	241.3	98.4	55.6	55.6	475	683	35.8	1570	<b>01EB140M</b> <b>02EB140M</b>
	273.05	117.5	66.7	66.7	649	854	62.6	1450	
<b>145</b>	273.05	117.5	66.7	66.7	649	854	62.6	1450	<b>02EB145M</b>

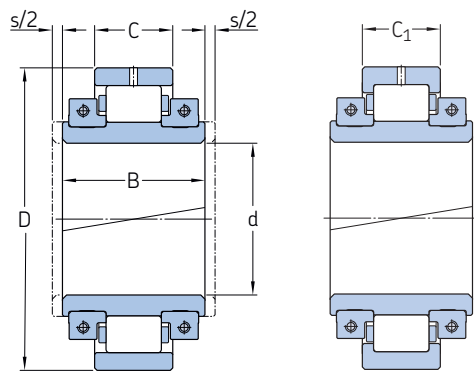
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<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

**Split cylindrical roller bearings and cartridges**

d 150 – 170 mm

5 15/16 – 6 1/2 in.



Non-locating

Locating

Shaft diameter and bearing/cartridge dimensions					Load ratings			Limiting speed	Designations <sup>2)</sup> Bearing
d	D	B	C	C <sub>1</sub>	dynamic	static	axial		
mm/in.	mm				C	C <sub>0</sub>	C <sub>a</sub>	r/min	–
<b>150</b>	254	98.4	55.6	55.6	511	767	40.3	1450	<b>01EB150M</b> <b>02EB150M</b>
	292.1	123.8	68.3	68.3	732	1 017	70.9	1320	
<b>5 15/16</b>	254	98.4	55.6	55.6	511	767	40.3	1450	<b>01EB515</b> <b>02EB515</b>
	292.1	123.8	68.3	68.3	732	1 017	70.9	1320	
<b>6</b>	254	98.4	55.6	55.6	511	767	40.3	1450	<b>01EB600</b> <b>02EB600</b>
	292.1	123.8	68.3	68.3	732	1 017	70.9	1320	
<b>155</b>	254	98.4	55.6	55.6	511	767	40.3	1450	<b>01EB155M</b> <b>02EB155M</b>
	292.1	123.8	68.3	68.3	732	1 017	70.9	1320	
<b>160</b>	254	98.4	55.6	55.6	511	767	40.3	1450	<b>01EB600-160M</b> <b>02EB600-160M</b>
	292.1	123.8	68.3	68.3	732	1 017	70.9	1320	

<sup>1)</sup> "s" is the total permissible axial displacement from one extreme position to the other. "s/2" is the permissible displacement from the central position.

<sup>2)</sup> Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request.

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**PUB BU/P2 19146 EN** · May 2021

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