

BB-505(B)-B180-POM

BB-515(B)-B180-POM
BB-522(B)-B180-POM

Order key

Type	Material
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BB-522B-B180-POM

Ball bearings	Type	New generation	Housing material	Ball transfer unit
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Polymer ball transfer unit

POM = POM (ball transfer unit)

Option

B = New generation

Technical data and dimensions [mm]

Installation size	Max. stat. load capacity axial [N]	Inner Ø		Height		Weight [g]	Part No.
		d1	d2	h1	h2		
505	35	10.4	12.0	8.4	4.3	0.88	BB-505-B180-POM
515	80	24.0	31.0	21.0	9.8	10.73	BB-515-B180-POM
522	110	36.0	45.0	30.0	9.8	28.80	BB-522-B180-POM

Technical data and dimensions [mm]

Installation size	Max. stat. load capacity axial [N]	Inner Ø		Height		Weight [g]	Part No.
		d1	d2	h1	h2		
505B	150	10.4	12.0	8.4	4.3	0.92	BB-505B-B180-POM
515B	300	24.0	31.0	21.0	9.8	11.19	BB-515B-B180-POM
522B	500	36.0	45.0	30.0	9.8	29.97	BB-522B-B180-POM
530B	1000	45.0	55.0	37.0	13.8	67.40	BB-530B-B180-POM New



Recommended tolerances

We recommend the following hole tolerances for the ball transfer units housings:

Installation size

505 ► 10.40mm H7

515/515A ► 24mm H7

522/522A ► 36mm H7

In general: The height tolerance of all installation sizes is $\pm 0.2\text{mm}$ 

Order example:

BB-505-B180-POM = Polymer ball transfer unit with housing material xirodur® B180 and POM ball transfer unit



Available

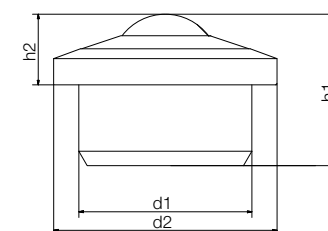
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With stainless steel balls



Electrostatically dissipative



Order key

Type	Material
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BB-522B-ES

Ball bearings	Type	New generation	Housing material	Ball transfer unit
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Ball transfer unit

ES =

Stainless steel

Technical data and dimensions [mm]

Installation size	Max. stat. load capacity axial [N]	Inner Ø		Height		Weight stainless steel [g]	Part No.
		d1	d2	h1	h2		
515	300	24.0	31.0	21.0	9.8	22.8	BB-515B-B180-ES
515	300	24.0	31.0	21.0	9.8	22.8	BB-515B-F182-ES
522	500	36.0	45.0	30.0	9.8	66.6	BB-522B-B180-ES

Technical data and dimensions [mm]

Installation size	Max. stat. load capacity axial [N]	Inner Ø		Height		Weight [g]	Part No.
		d1	d2	h1	h2		
515B	300	24.0	31.0	21.0	9.8	11.19	BB-515B-B180-ES
522B	500	36.0	45.0	30.0	9.8	29.97	BB-522B-B180-ES



Recommended tolerances

We recommend the following hole tolerances for the ball transfer units housings:

Installation size

515/515A ► 24mm H7

522/522A ► 36mm H7

In general: The height tolerance of all installation sizes is $\pm 0.2\text{mm}$ 

Order example:

BB-515-B180-ES = Polymer ball transfer unit with housing material xirodur® B180 and stainless steel ball transfer unit



Available

from stock

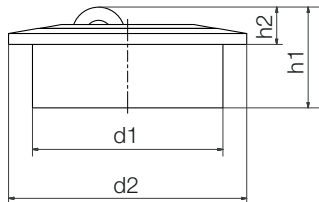
3D CAD files, prices and delivery time online ► www.igus.eu/xiros 925



For high loads (HH)



With soft roller made from xirodur® D180 (HS)



BB-515A-B180-HH/-HS
BB-522A-B180-HH/-HS



Order key

Type	Material
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BB-522A-B180-HS

Ball bearings	Type	Axial ball transfer unit	Housing material	Ball transfer unit
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Options
Ball transfer unit
HH (Hard roller) =
xirodur® B180
HS (Soft roller) =
xirodur® D180

Technical data and dimensions [mm]

Installation size	Max. stat. load capacity axial [N]	Inner Ø		Height		Weight		Part No.
		d1	d2	h1	h2	HS [g]	HH [g]	
515A	150	24.0	31.0	14.3	5.3	9.96	9.99	BB-515A-B180-
522A	300	36.0	45.0	19.2	7.05	24.69	24.71	BB-522A-B180-

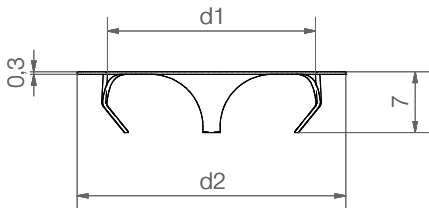


Order example:
BB-515A-B180-HS = Axial polymer ball transfer unit with housing material xirodur® B180 and soft roller made from xirodur® D180



Available from stock

Accessories: Clamping rings for xiros® polymer ball transfer units



xiros® clamping rings made of stainless steel offer the possibility to install xiros® polymer ball transfer units in another orientation than the standard horizontal position. Easy assembly and disassembly.

Dimensions [mm]

For ball transfer unit	d1	d2	Housing hole	Weight [g]	Part No.
BB-515-B180-POM/BB-515A-B180-	24	31	25H7	0.91	BB-515-CR
BB-522-B180-POM/BB-522A-B180-	36	41	37H7	1.61	BB-522-CR



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