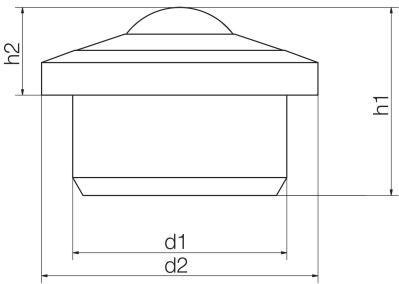


Conductive xiros® ball transfer unit
BB-512-F182-ES-420C



Conductive xiros® ball transfer unit

- Ball Ø: 12, 15 mm
- Electrostatic conductive with contact resistance $<10^{-4} \Omega$
- Housing material: xirodur® F182
- Ball material: ES + 420C steel (in the housing)

h1	15.4 mm
h2	7.4 mm
Ø d2	23 mm
Ø d1	18 mm

Product description

Introducing the Conductive xiros® ball transfer unit, designed specifically for the semiconductor industry. This innovative transfer unit ensures smooth, lubrication-free movement in all directions, protecting sensitive goods from uncontrolled discharge. Made from durable xirodur F182 material, it boasts high electrical conductivity and has been rigorously tested for electrostatic discharge capacity. Perfect for roller conveyors, this unit combines efficiency and safety, making it an essential choice for your operations.

Thermal properties

Max. long-term application temperature	100 °C
Lower application temperature	-40 °C

General properties

Density	1.42 g/cm³
Colour	black
Max. moisture absorption	0.2 Wt.-%
Max. total moisture absorption	0.7 Wt.-%
Weight	12.3 g
Roll material	Stainless steel

Mechanical properties

Max. axial static pressure load	130 N
Dynamic load capacity	150 N
Modulus of elasticity	3000 MPa
Flexural strength (at 20°C/68°F)	95 MPa
Shore D hardness	79.0000



Dimensions

Ø d1	18 mm
Ø d2	23 mm
h1	15.4 mm
h2	7.4 mm
Running ball diameter	12 mm
Hole tolerance	24H7
size	512