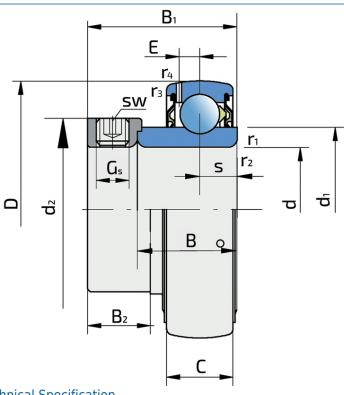


# **Y-Ball Bearings With Eccentric Locking Collar**

# UY 211-203 2S

Y-Ball Bearings With Eccentric Locking Collar







## **Technical Specification**

DOutside diameter100 mBWidth inner ring32.5 mCWidth outer ring25 msDistance from inner ring side face to raceway centre12.5 md1Outer diameter inner ring69.1 mEDistance from raceway centre to the hole for lubrication7 mGsSet screw7/16-20 UNF inswHexagonal key size for set screw5.556 mr1,2Inner ring Chamfer dimension1 mr3,4Outside ring Chamfer dimension2 mB1Width inner ring with locking collar48.4 md2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	d	Bore diameter	55.5625 mm
BWidth inner ring32.5 mCWidth outer ring25 msDistance from inner ring side face to raceway centre12.5 md1Outer diameter inner ring69.1 mEDistance from raceway centre to the hole for lubrication7 mGsSet screw7/16-20 UNF inswHexagonal key size for set screw5.556 mr1,2Inner ring Chamfer dimension1 mr3,4Outside ring Chamfer dimension2 mB1Width inner ring with locking collar48.4 md2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	d	Bore diameter	2 3/16 inch
C Width outer ring side face to raceway centre 12.5 m 5 Distance from inner ring side face to raceway centre 12.5 m 61 Outer diameter inner ring 69.1 m 69.1 m 65 Set screw 7/16-20 UNF in 7 m 65 Set screw 7/16-20 UNF in 7 m 7/16-20 UNF in 7/12 Inner ring Chamfer dimension 1 m 7 m 7/14 Outside ring Chamfer dimension 2 m 1 m 1/14 Outside ring Chamfer dimension 2 m 1/14 Outside ring Chamfer dimension 3 m 1/	D	Outside diameter	100 mm
sDistance from inner ring side face to raceway centre12.5 md1Outer diameter inner ring69.1 mEDistance from raceway centre to the hole for lubrication7 mGsSet screw7/16-20 UNF inswHexagonal key size for set screw5.556 mr1,2Inner ring Chamfer dimension1 mr3,4Outside ring Chamfer dimension2 mB1Width inner ring with locking collar48.4 md2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	В	Width inner ring	32.5 mm
d1Outer diameter inner ring69.1 mEDistance from raceway centre to the hole for lubrication7 mGsSet screw7/16-20 UNF inswHexagonal key size for set screw5.556 mr1,2Inner ring Chamfer dimension1 mr3,4Outside ring Chamfer dimension2 mB1Width inner ring with locking collar48.4 md2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	С	Width outer ring	25 mm
E Distance from raceway centre to the hole for lubrication 7 m Gs Set screw 7/16-20 UNF in sw Hexagonal key size for set screw 5.556 m r1,2 Inner ring Chamfer dimension 1 m r3,4 Outside ring Chamfer dimension 2 m B1 Width inner ring with locking collar 48.4 m d2 Locking collar outside diameter 76.2 m B2 Width locking collar Cdyn Dynamic load rating 43.6 k Co Static load rating 29 k Pu Fatigue load limit 1.25 k	S	Distance from inner ring side face to raceway centre	12.5 mm
GsSet screw7/16-20 UNF in the second s	d1	Outer diameter inner ring	69.1 mm
swHexagonal key size for set screw5.556 mr1,2Inner ring Chamfer dimension1 mr3,4Outside ring Chamfer dimension2 mB1Width inner ring with locking collar48.4 md2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	E	Distance from raceway centre to the hole for lubrication	7 mm
r1,2 Inner ring Chamfer dimension 1 nr r3,4 Outside ring Chamfer dimension 2 nr B1 Width inner ring with locking collar 48.4 nr d2 Locking collar outside diameter 76.2 nr B2 Width locking collar 20.6 nr Cdyn Dynamic load rating 43.6 kr Co Static load rating 29 kr Pu Fatigue load limit 1.25 kr	Gs	Set screw	7/16-20 UNF inch
r3,4 Outside ring Chamfer dimension 2 m B1 Width inner ring with locking collar 48.4 m d2 Locking collar outside diameter 76.2 m B2 Width locking collar 20.6 m Cdyn Dynamic load rating 43.6 k Co Static load rating 29 k Pu Fatigue load limit 1.25 k	SW	Hexagonal key size for set screw	5.556 mm
B1 Width inner ring with locking collar d2 Locking collar outside diameter 76.2 m B2 Width locking collar Cdyn Dynamic load rating 43.6 k Co Static load rating 29 k Pu Fatigue load limit 1.25 k	r1,2	Inner ring Chamfer dimension	1 mm
d2Locking collar outside diameter76.2 mB2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	r3,4	Outside ring Chamfer dimension	2 mm
B2Width locking collar20.6 mCdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	B1	Width inner ring with locking collar	48.4 mm
CdynDynamic load rating43.6 kCoStatic load rating29 kPuFatigue load limit1.25 k	d2	Locking collar outside diameter	76.2 mm
Co Static load rating 29 k Pu Fatigue load limit 1.25 k	B2	Width locking collar	20.6 mm
Pu Fatigue load limit 1.25 k	Cdyn	Dynamic load rating	43.6 kN
	Со	Static load rating	29 kN
kg Mass 0.9 k	Pu	Fatigue load limit	1.25 kN
	kg	Mass	0.9 kg



### Sealing

bearings.

#### S SEAL / S SEAL (2S)

Single lip seal with the labyrinth between the sheet part and the rubber lip which conducts the contact sealing. The friction and speeds are the same as with RS but provides much better protection against the rough impurity particles. This is very good sealing system: the sheet part protects the seal from the soil, dust and rough particles. At the same time makes the labyrinth with the rubber part. The rubber part provides contact sealing which prevents penetration of finer

impurities, water, moisture, steam etc. Suitable for neutral conditions because of the presence of the foreign materials. It is used with the Y bearing (standard) and deep groove ball

