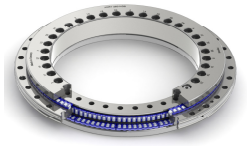
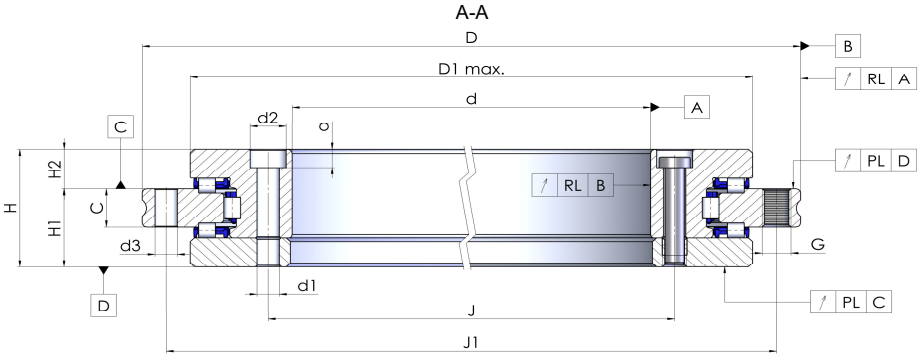
AXRY 650-NGS

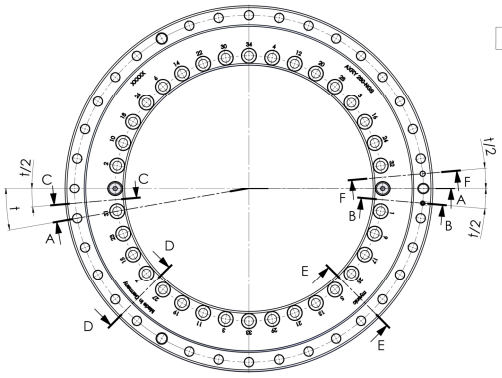
Axial-radial-bearing



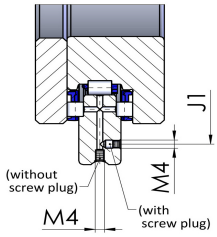
myonic
MinebeaMitsumi Group

Technical data sheet

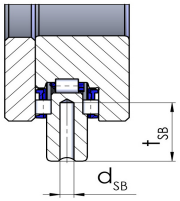




B-B
(1x lubrication bore)

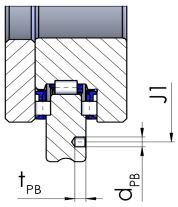


C-C
(1x sensor bore)



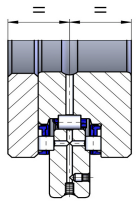
Note:
In the case of axial lubrication, please remove the screw plug and seal off the radial lubrication!

F-F
(1x positioning bore)

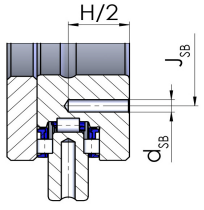


available optional design -SBI
ordering code -SBI

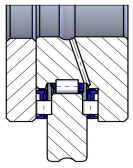
B-B
(1x lubrication bore)



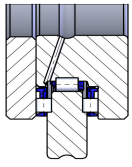
C-C
(1x sensor bore)



D-D
(2x 180° lubrication bore)



E-E
(2x 180° lubrication bore)



DIMENSIONS			
d	650 mm	0 mm -0,038 mm	Bore diameter
D	870 mm	0 mm -0,05 mm	Outside diameter
H	122 mm		Height
H1	78 mm	0,25 mm -0,25 mm	Connection dimension H1; standard
H1	78 mm	0,1 mm -0,1 mm	Connection dimension H1; restricted (ordering code -H1)
H2	44 mm		Connection dimension H2; standard
H2	44 mm	0,03 mm -0,03 mm	Connection dimension H2; restricted (ordering code -H2)
C	34 mm		Width outer ring
D1 max	800 mm		Maximum bord diameter inner ring
J	680 mm		Pitch circle diameter fixing holes inner ring
J1	830 mm		Pitch circle diameter fixing holes outer ring
d1	14 mm		Diameter fixing holes inner ring
d2	20 mm		Counterbore diameter fixing holes inner ring
a	12,6 mm		Counterbore depth fixing holes inner ring
	46		Quantity fixing holes inner ring
d3	14 mm		Diameter fixing holes outer ring
	42		Quantity fixing holes outer ring
n x t	48 x 7,5°		Quantity x pitch angle fixing holes
G	M12		Extraction threads outer ring
	6 x 60°		Quantity x pitch angle extraction threads
M_A	116 Nm		Screw tightening torque
	2		Quantity retaining screws
J_{SB}	706,2 mm		Pitch circle diameter sensor bore inner ring
d_{SB}	6,2 mm		Diameter sensor bore
t_{SB}	56,9 mm		Depth sensor bore outer ring
d_{PB}	10 mm		Diameter positioning bore
t_{PB}	10 mm		Depth positioning bore
≈m	162,3 kg		Weight

PERFORMANCE DATA		
C_r	406,6 kN	Dynamic load rating, radial
C_{0r}	1317,1 kN	Static load rating, radial
C_a	816,3 kN	Dynamic load rating, axial
C_{0a}	5829,1 kN	Static load rating, axial
c_{aL}	20,3 kN/µm	Axial rigidity of bearing position
c_{rL}	9,8 kN/µm	Radial rigidity of bearing position
c_{kL}	1451,2 kNm/mrad	Tilting rigidity of bearing position
M_{MA}	68641 kg*cm²	Mass moment of inertia for rotating outer ring
M_{MI}	97690 kg*cm²	Mass moment of inertia for rotating inner ring
n_G	400 1/min	Limiting speed (please contact us in case of long duty cycle)
PL & RL	10 µm	Axial and radial runout; standard
PL & RL	5 µm	Axial and radial runout; restricted (ordering code -PRR50)

05.09.2023