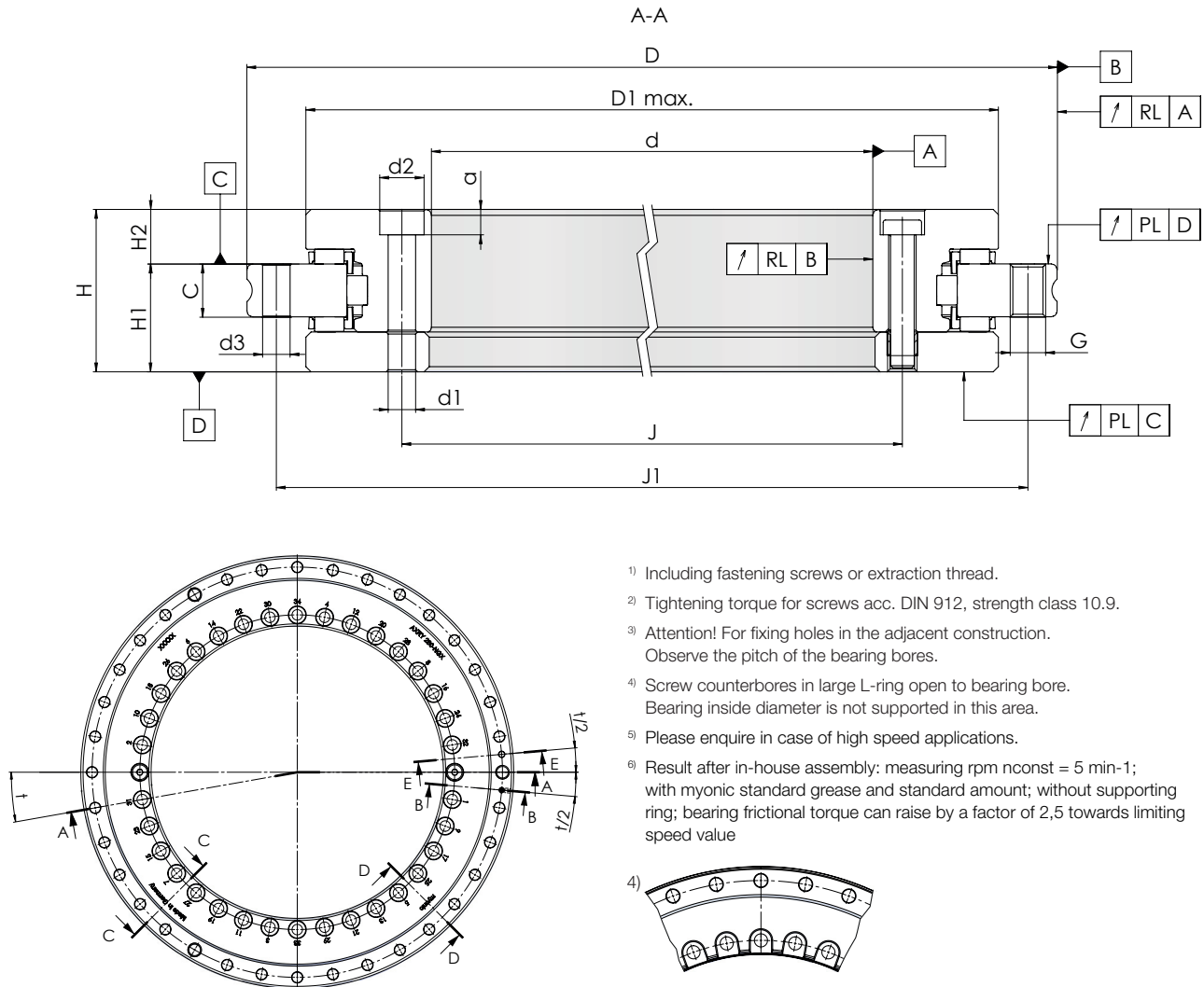
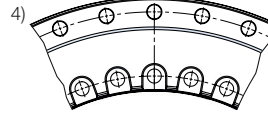


# Dimensions table AXRY-NGX



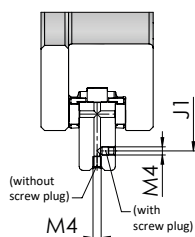
- 1) Including fastening screws or extraction thread.
- 2) Tightening torque for screws acc. DIN 912, strength class 10.9.
- 3) Attention! For fixing holes in the adjacent construction. Observe the pitch of the bearing bores.
- 4) Screw counterbores in large L-ring open to bearing bore. Bearing inside diameter is not supported in this area.
- 5) Please enquire in case of high speed applications.
- 6) Result after in-house assembly: measuring rpm  $n_{const} = 5 \text{ min}^{-1}$ ; with myonic standard grease and standard amount; without supporting ring; bearing frictional torque can raise by a factor of 2,5 towards limiting speed value



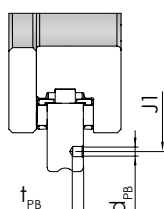
Designation	Mass	Dimensions [mm]														
		d	tol. d	D	tol. D	H	H1	tol. H1	tol. H1	H2	tol. H2	tol. H2	C	D1	J	J1
	[kg]							standard	restricted		standard	restricted		max		
AXRY 180-NGX	7,1	180	-0,013	280	-0,018	43	29	± 0,03	-	14	± 0,025	-	15	244	194	260
AXRY 200-NGX	9,1	200	-0,015	300	-0,018	45	30	± 0,03	-	15	± 0,025	-	15	274	215	285
AXRY 260-NGX	17,5	260	-0,018	385	-0,020	55	36,5	± 0,04	-	18,5	± 0,025	-	18	345	280	365
AXRY 325-NGX <sup>4)</sup>	24,5	325	-0,023	450	-0,023	60	40	± 0,05	-	20	± 0,025	-	20	415	342	430
AXRY 395-NGX	32,2	395	-0,023	525	-0,028	65	42,5	± 0,05	-	22,5	± 0,025	-	20	486	415	505
AXRY 460-NGX	44,8	460	-0,023	600	-0,028	70	46	± 0,06	-	24	± 0,03	-	22	560	482	580
AXRY 580-NGX	86,0	580	-0,025	750	-0,035	90	60	± 0,25	± 0,075	30	± 0,25	± 0,03	30	700	610	720
AXRY 650-NGX	165,2	650	-0,038	870	-0,050	122	78	± 0,25	± 0,1	44	± 0,25	± 0,03	34	800	680	830

Available optional design - SBI  
ordering code -SB

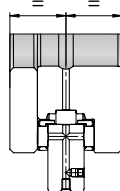
**B-B\***  
(1x lubrication bore)



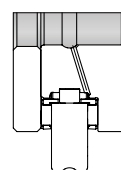
**E-E**  
(1x lubrication bore)



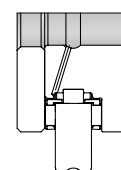
**B-B**  
(1x lubrication bores)



**C-C**  
(2x 180° lubrication bores)



**D-D**  
(2x 180° lubrication bores)



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

Designation	Fixing holes										Positioning bore	
	Inner ring				Outer ring				Number x Pitch	Screw tightening torque	Diameter	Depth
	d1	d2	a	Number <sup>(3)</sup>	d3	Number <sup>(3)</sup>	Extraction thread					
						G	Number	n x t <sup>(1)</sup>	M <sub>A</sub> <sup>(2)</sup> [Nm]	d <sub>PB</sub> [mm]	t <sub>PB</sub> [mm]	
AXRY 180-NGX	7	11	6,4	46	7	45	M8	3	48x 7,5°	14	5	5
AXRY 200-NGX	7	11	6,4	46	7	45	M8	3	48x 7,5°	14	5	5
AXRY 260-NGX	9,3	15	8,6	34	9,3	33	M12	3	36x 10°	34	5	5
AXRY 325-NGX <sup>(4)</sup>	9,3	15	8,6	34	9,3	33	M12	3	36x 10°	34	5	5
AXRY 395-NGX	9,3	15	8,6	46	9,3	45	M12	3	48x 7,5°	34	5	5
AXRY 460-NGX	9,3	15	8,6	46	9,3	45	M12	3	48x 7,5°	34	5	5
AXRY 580-NGX	11,4	18	10,6	46	11,4	42	M12	6	48x 7,5°	68	8	8
AXRY 650-NGX	14	20	12,6	46	14	42	M12	6	48x 7,5°	116	10	10

Designation	Load ratings				Rigidity of bearing position			Limiting speed <sup>(5)</sup>	Bearing frictional torque <sup>(6)</sup>	Axial & Radial runout	
	Axial		Radial		Axial	Radial	Tilting			standard	restricted
	dyn. C <sub>a</sub> [kN]	stat. C <sub>0a</sub> [kN]	dyn. C <sub>r</sub> [kN]	stat. C <sub>0r</sub> [kN]	C <sub>ax</sub> [kN/μm]	C <sub>ri</sub> [kN/μm]	C <sub>kl</sub> [kNm/mrad]	n <sub>G</sub> [min <sup>-1</sup> ]	M <sub>R</sub> [Nm]	PL & RL [μm]	PL & RL [μm]
AXRY 180-NGX	139,3	755,0	99,4	200,3	8,1	3,3	51,1	600	5	4	2
AXRY 200-NGX	151,0	871,2	122,1	273,9	8,0	4,1	62,6	450	6	4	2
AXRY 260-NGX	220,1	1520,6	138,3	349,0	12,2	5,1	153,5	300	9	6	3
AXRY 325-NGX <sup>(4)</sup>	249,3	1900,8	181,7	531,4	15,2	7,2	272,1	200	13	6	3
AXRY 395-NGX	275,7	2281,0	199,2	633,8	18,3	8,4	459,4	200	19	6	3
AXRY 460-NGX	299,5	2661,1	232,5	739,0	21,9	8,6	736,9	150	25	6	3
AXRY 580-NGX	584,6	4457,4	284,5	867,2	22,9	8,8	1207,0	80	60	10	5
AXRY 650-NGX	1010,7	7682,4	459,6	1317,1	27,1	9,7	1880,1	70	70	10	5