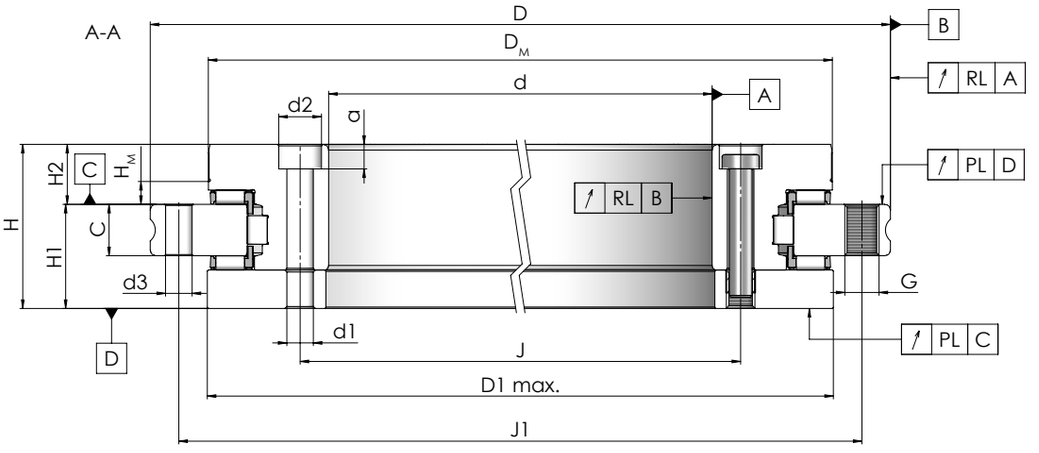
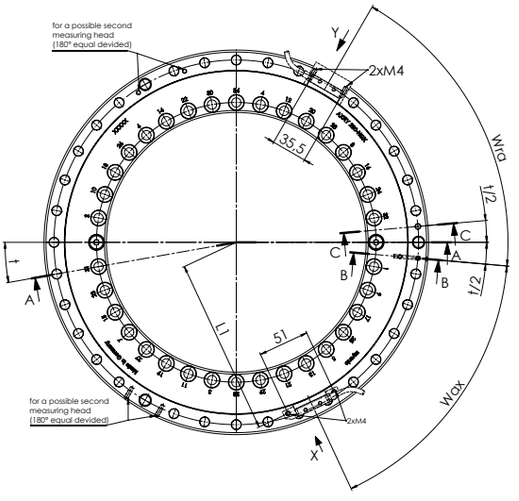
Dimensions table AXRY-NGX-MI





[1] Including fastening screws or extraction thread.

[2] Tightening torque for screws acc. DIN 912, strength class 10.9.

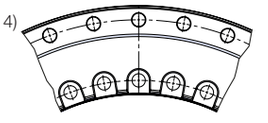
[3] Attention! For fixing holes in the adjacent construction. Observe the pitch of the bearing bores.

[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.

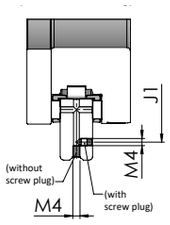
[6] Result after in-house assembly: measuring rpm nconst = 5 min-1; with myonic standard grease and standard amount; without supporting ring; bearing frictional torque can raise by a factor of 2,5 towards limiting speed value

4)

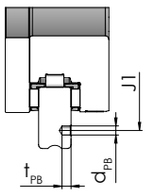


Designation	Mass	Dimensions [mm]																
	[kg]	d	tol. d	D	tol. D	H	H1	tol. H1 standard	tol. H1 restricted	H2	tol. H2 standard	tol. H2 restricted	C	D1 max	J	J1	D_M	H_M
AXRY 180-NGX-MI	-	180	-0,013	280	-0,018	50	29	± 0,03	-	21	± 0,025	-	15	244	194	260	245,0	6
AXRY 200-NGX-MI	10,5	200	-0,015	300	-0,018	51	30	±0,03	-	21	± 0,025	-	15	274	215	285	274,2	6
AXRY 260-NGX-MI	18,4	260	-0,018	385	-0,020	57,5	36,5	± 0,04	-	21	± 0,025	-	18	345	280	365	344,3	8
AXRY 325-NGX-MI[4]	25,2	325	-0,023	450	-0,023	61	40	± 0,05	-	21	± 0,025	-	20	415	342	430	415,0	8
AXRY 395-NGX-MI	32,2	395	-0,023	525	-0,028	65	42,5	± 0,05	-	22,5	± 0,025	-	20	486	415	505	484,4	8
AXRY 460-NGX-MI	44,8	460	-0,023	600	-0,028	70	46	± 0,06	-	24	± 0,03	-	22	560	482	580	558,2	10
AXRY 580-NGX-MI	-	580	-0,025	750	-0,035	90	60	±0,25	± 0,075	30	± 0,25	± 0,03	30	700	610	720	700,9	15
AXRY 650-NGX-MI	-	650	-0,038	870	-0,050	122	78	±0,25	± 0,1	44	± 0,25	± 0,03	34	800	680	830	796,4	21

B-B*
(1x Lubrication bore)

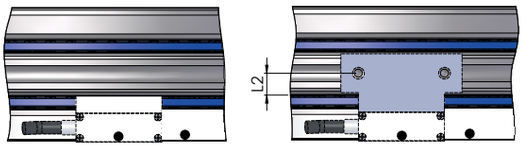


C-C
(1x Lubrication bore)

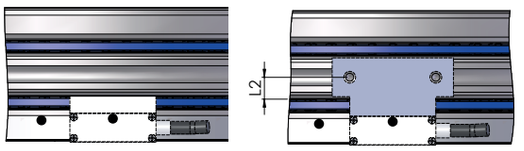


***Note:** In the case of axial lubrication, please remove the screw plug and seal off the radial lubrication!

X **Y**
Reference mark ● outside (suffix -A)



X **Y**
Reference mark ● inside (suffix -I)



Measuring heads and support plates only represented symbolically (not included in scope delivery)

Designation	Fixing holes														Positioning bore	
	Inner ring				Outer ring				Number x Pitch	Screw tightening torque	Fastening thread for measuring head				Diameter	Depth
							Extraction thread									
	d1	d2	a	Number[3]	d3	Number[3]	G	Number	n x t[1]	M_A[2] [Nm]	L1	W_{ax}	L2	W_{r8}	d_{PB} [mm]	t_{PB} [mm]
AXRY 180-NGX-MI	7	11	6,4	46	7	45	M8	3	48x 7,5°	14	127,0	56,25°	7,5	63,75°	5	5
AXRY 200-NGX-MI	7	11	6,4	46	7	45	M8	3	48x 7,5°	14	141,6	56,25°	7,5	63,75°	5	5
AXRY 260-NGX-MI	9,3	15	8,6	34	9,3	33	M12	3	36x 10°	34	177,2	60°	9	65°	5	5
AXRY 325-NGX-MI[4]	9,3	15	8,6	34	9,3	33	M12	3	36x 10°	34	212,5	55°	10	65°	5	5
AXRY 395-NGX-MI	9,3	15	8,6	46	9,3	45	M12	3	48x 7,5°	34	249,0	60°	10	63,75°	5	5
AXRY 460-NGX-MI	9,3	15	8,6	46	9,3	45	M12	3	48x 7,5°	34	285,6	56,25°	11	63,75°	5	5
AXRY 580-NGX-MI	11,4	18	10,6	46	11,4	42	M12	6	48x 7,5°	68	355,0	56,25°	15	63,75°	8	8
AXRY 650-NGX-MI	14	20	12,6	46	14	42	M12	6	48x 7,5°	116	404,7	56,25°	17	63,75°	10	10

Designation	Load ratings				Rigidity of bearing position			Limiting speed[5]	Friction torque[6]	Axial runout & radial runout			Measuring ring		
	Axial		Radial		Axial	Radial	Tilting			standard	restricted	high precision	Grad.mark./360°	Pitch accuracy	
	dyn. C_a [kN]	stat. C_{0a} [kN]	dyn. C_r [kN]	stat. C_{0r} [kN]	C_{al} [kN/µm]	C_{rl} [kN/µm]	C_{kl} [kNm/mrad]	n_G [min^{-1}]	M_R [Nm]	PL & RL [µm]	PL & RL [µm]	PL & RL [µm]	at 500 µm-Division	at ±3µm	at ±5µm
AXRY 180-NGX-MI	139,3	755,0	99,4	200,3	9,0	3,2	57,2	600	5	4	2	-	1536	5,1“	8,4“
AXRY 200-NGX-MI	151,0	871,2	122,1	273,9	8,9	4,1	69,7	450	6	4	2	-	1720	4,5“	7,5“
AXRY 260-NGX-MI	220,1	1520,6	138,3	349,0	12,7	5,1	159,4	300	9	6	3	2	2160	3,6“	6,0“
AXRY 325-NGX-MI[4]	249,3	1900,8	181,7	531,4	15,4	7,2	275,8	200	13	6	3	2	2604	3,0“	5,0“
AXRY 395-NGX-MI	275,7	2281,0	199,2	633,8	18,3	8,4	459,4	200	19	6	3	2	3040	2,5“	4,2“
AXRY 460-NGX-MI	299,5	2661,1	232,5	739,0	21,9	8,6	736,9	150	25	6	3	2	3504	2,2“	3,7“
AXRY 580-NGX-MI	584,6	4457,4	284,5	867,2	22,9	8,8	1207,0	80	60	10	5	3	4400	1,8“	3,0“
AXRY 650-NGX-MI	1010,7	7682,4	459,6	1317,1	27,1	9,7	1880,1	70	70	10	5	3	5000	1,6“	2,6“