

MRA/BDR LINES

Heavy duty, planetary to bevel, right-angle, servo gearbox

Up to 350 Nm rated
with bevel output
Up to 9,000 Nm rated
with planetary output

- Backlash: from 15 to 2 minutes*
- Hollow shaft, double shaft or quadri-shaft versions available
- Efficiency: from 91% to 96%*
- Up to 13 standard ratios / custom ratios available
- High output torque versions available upon request
- Easy 1 minute clamping onto any motor shaft (self-locating input flange)
- Standard case temperature range is -20°C to $+90^{\circ}\text{C}$. Consult us for higher or lower temperature use
- IP 65 standard waterproofness. IP-67 & 1500 psi water jets available
- Washdown stainless steel version available
- Optional lubrication for food-processing or pharmaceutical industries
- Estimated life time 20,000 hours

*depending upon model, ratio and size



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MRA 115

ANDANTEX

Technical characteristics

Number of stages		1 - Stage					2 - Stages							
Ratio ⁽¹⁾		3	4	5	7	10	16	20	25	35	40	50	70	100
INPUT														
Rated / max speed	rpm	3 000 / 6 000 <i>(consult us if you require higher input speed)</i>												
Rated power	Kw	31.4	31.4	22	12.6	6.3	8.3	6.7	5	3.8	2.5	2.1	1.7	1.4
Rated torque	Nm	62	47	38	27	15	12	10	8	5	4	4	2	2
Accel. torque	Nm ⁽²⁾	86	65	52	29	20	17	13	11	7	7	6	4	3
OUTPUT														
Rated torque	Nm	178	181	182	182	144	175	182	182	160	182	165	137	172
Accel. torque	Nm ⁽²⁾	250	250	250	195	195	250	250	250	250	250	250	250	250
GENERAL CHARACTERISTICS														
Inertia	Kgm²x10 ⁻⁵ ⁽³⁾	55.3	44.4	40.4	36.8	35.1	42.3	42	38.9	36	35	34.7	34.5	34.5
Max. backlash	arc-min.	10 or 5												
Efficiency	% ⁽⁴⁾	96					91							
Expected life time	Hours	20 000												
Weight	Kg	13					25							
Radial load	N ⁽⁵⁾	2 400												
Axial load	N	1 000												

¹⁾ Other ratios are possible, do not hesitate to contact us

²⁾ S5 duty service

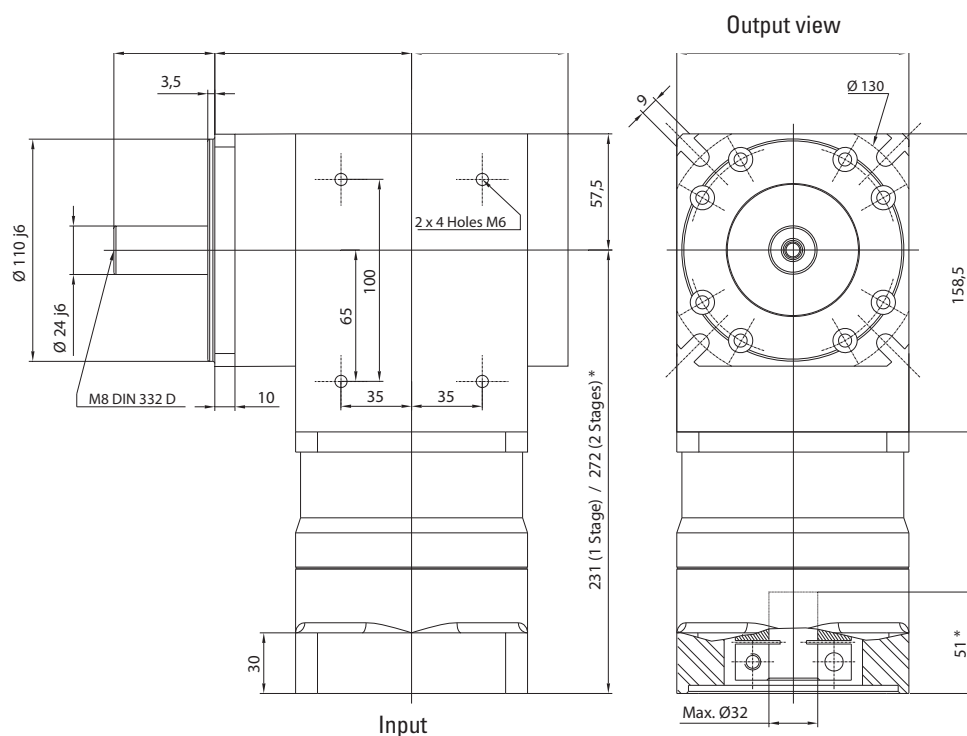
³⁾ On the motorside

⁴⁾ Gear efficiency at rated torque

⁵⁾ Load applied in the middle of the output shaft at 300rpm

NOTE : Emergency stop torque is 2.5 times rated output torque for 1000 times max during the life of the gearhead.

Dimensions (mm)



*Depends upon ratio and motor / Product range can be subject to changes without notice

MRA 180

ANDANTE[®] X

Technical characteristics

Number of stages		1 - Stage					2 - Stages							
Ratio ⁽¹⁾		3	4	5	7	10	16	20	25	35	40	50	70	100
INPUT														
Rated / max speed	rpm	2 000 / 4 000 <i>(consult us if you require higher input speed)</i>												
Rated power	Kw	51	38	31	22	15	10	8	7	5	4	3	3	2
Rated torque	Nm	121	91	73	52	36	24	19	15	11	9	8	6	4
Accel. torque	Nm ⁽²⁾	139	104	83	59	41	27	22	18	13	11	9	7	5
OUTPUT														
Rated torque	Nm	350	350	350	350	350	350	350	350	350	350	350	350	350
Accel. torque	Nm ⁽²⁾	600	600	600	600	600	600	600	600	600	600	600	600	600
GENERAL CHARACTERISTICS														
Inertia	Kgm²x10 ⁻⁵ ⁽³⁾	422	262	207	162	138	226	223	182	148	132	132	132	131
Max. backlash	arc-min.	10 or 5												
Efficiency	% ⁽⁴⁾	96					91							
Expected life time	Hours	20 000												
Weight	Kg	60					90							
Radial load	N ⁽⁵⁾	9 000												
Axial load	N	5 000												

¹⁾ Other ratios are possible, do not hesitate to contact us

²⁾ S5 duty service

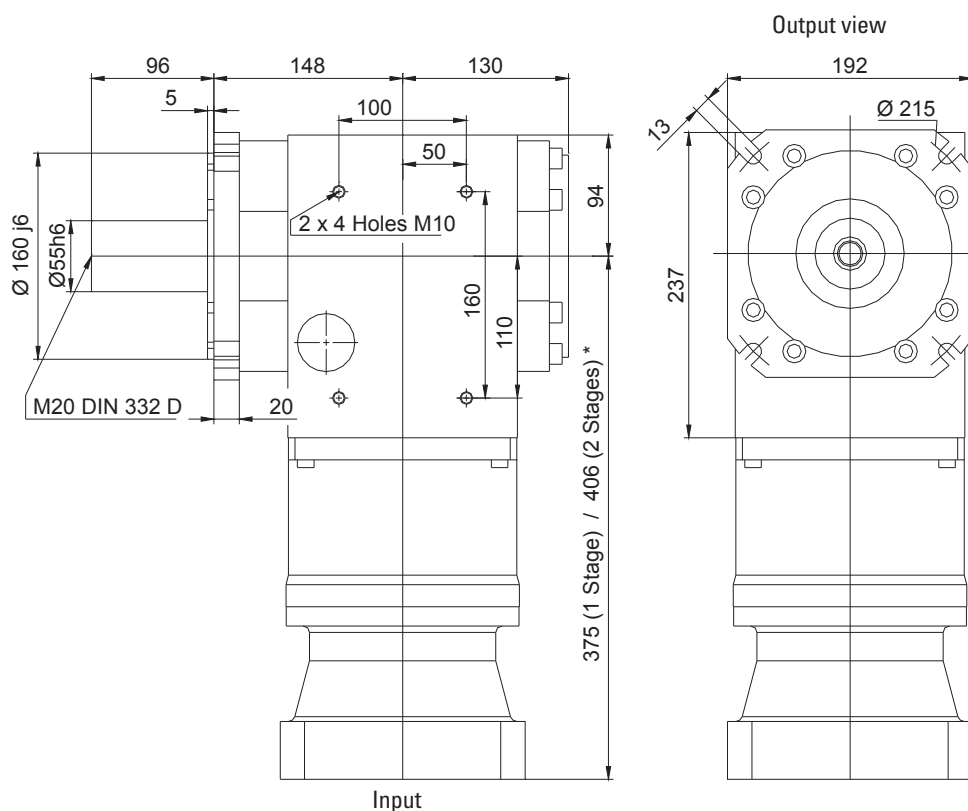
³⁾ On the motorside

⁴⁾ Gear efficiency at rated torque

⁵⁾ Load applied in the middle of the output shaft at 300rpm

NOTE : Emergency stop torque is 2.5 times rated output torque for 1000 times max during the life of the gearhead.

Dimensions (mm)



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