

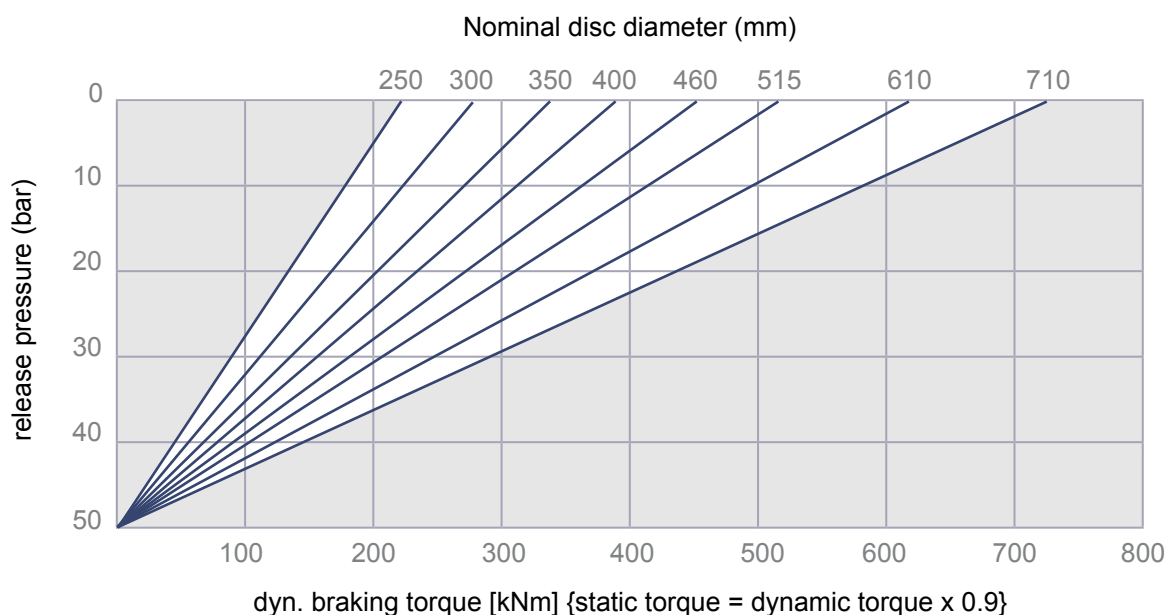
NOTE:

All brake cylinders in this section (except 557 and 558) are available with adjustable spring force.

Please get in touch with us for more information.



2D-drawing and dimensions see pg. 2



weight: 11 kg

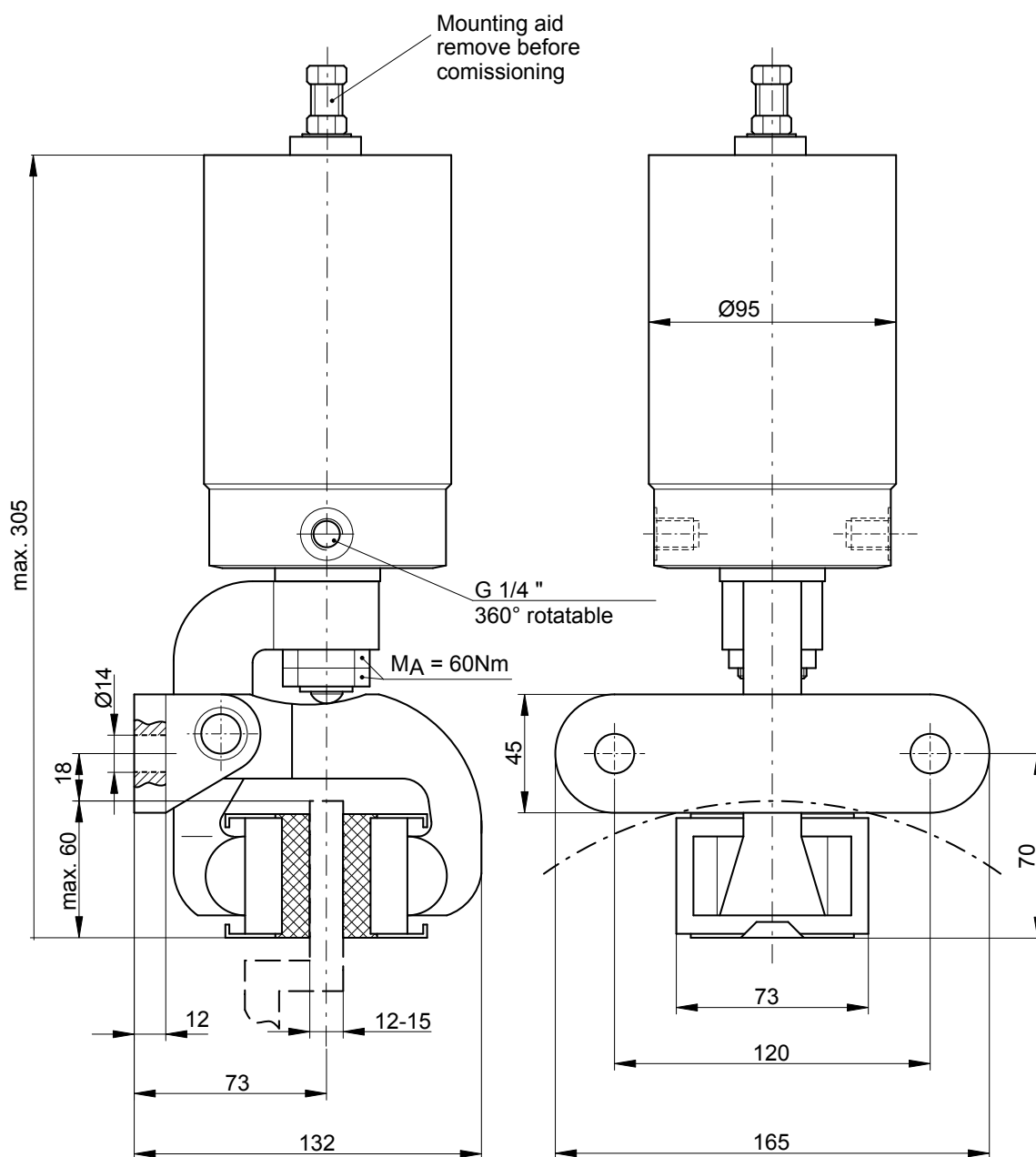
min pressure: 55 bar / min pressure: 160 bar

oil volume: 15 cm³ / stroke

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Mounting position: horizontal; with inclined positions please contact manufacturer.

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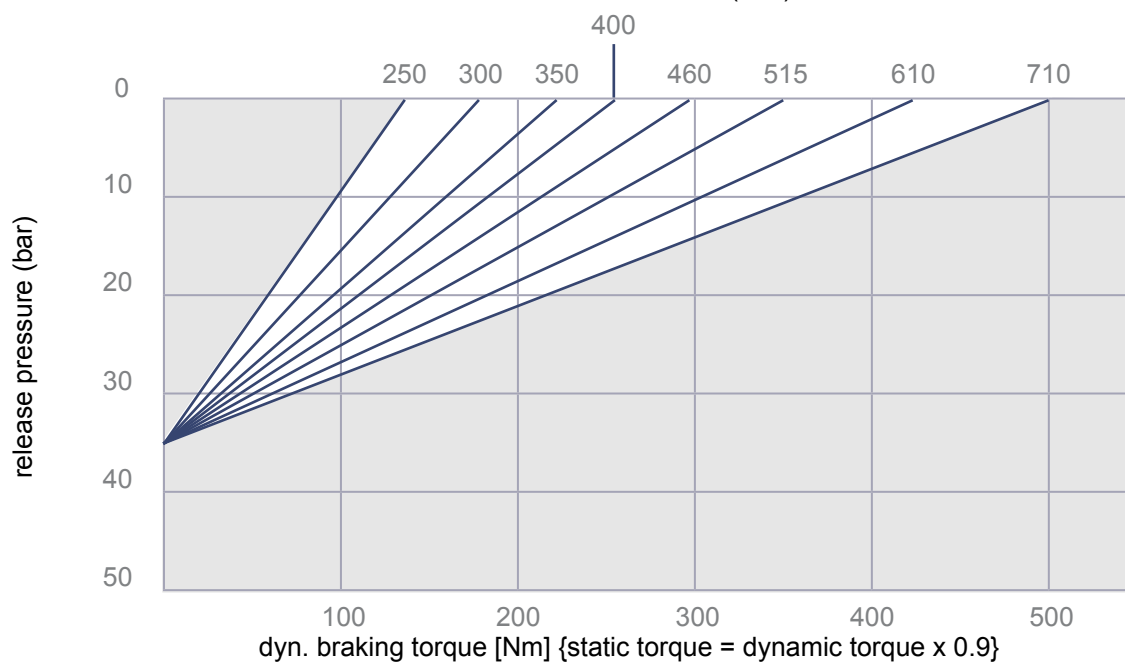
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Nominal disc diameter (mm)

2D-drawing and dimensions see pg. 2



min pressure: 40 bar / max pressure: 160 bar

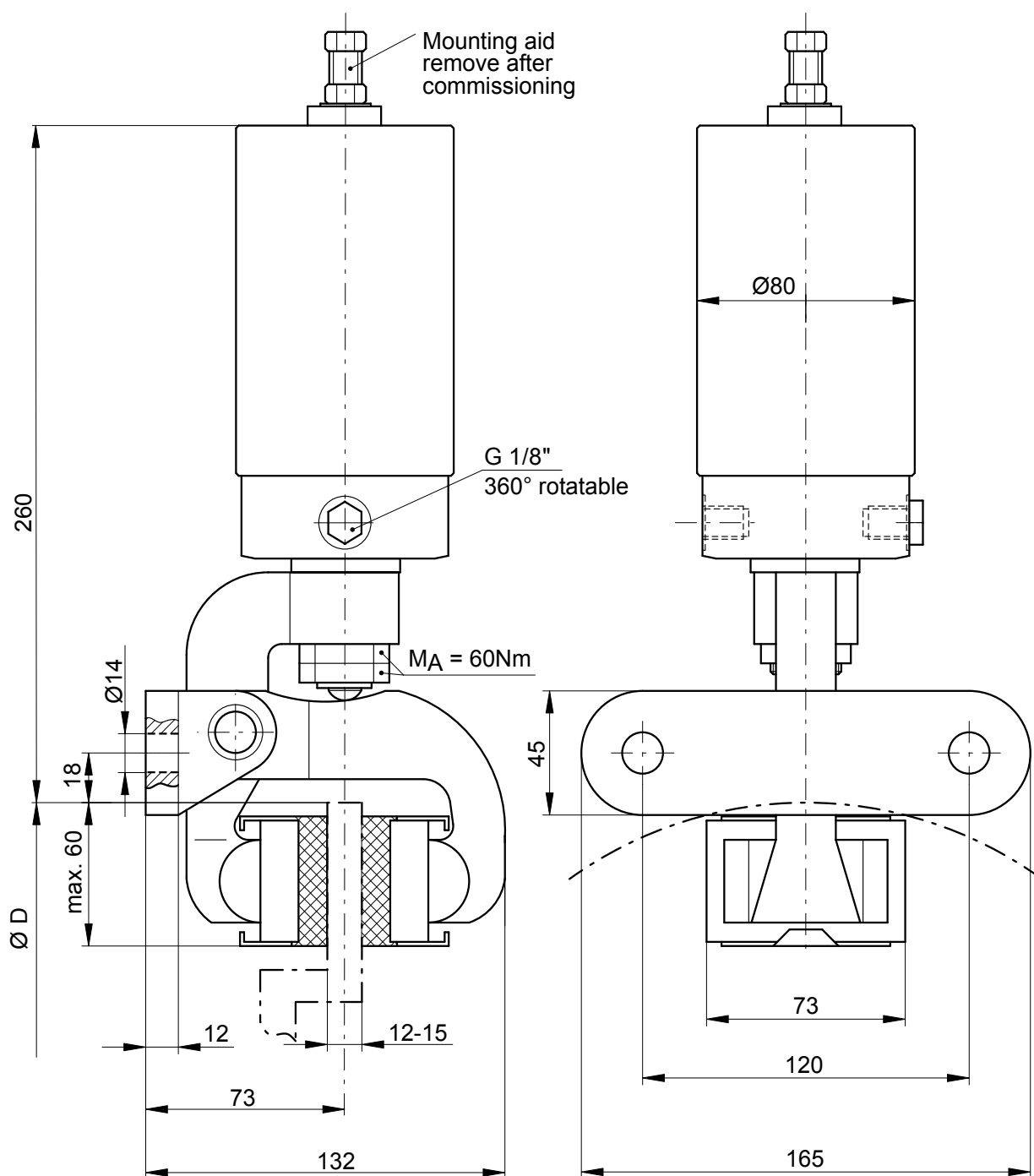
oil volume: 15 cm³ / stroke

weight: 9 kg

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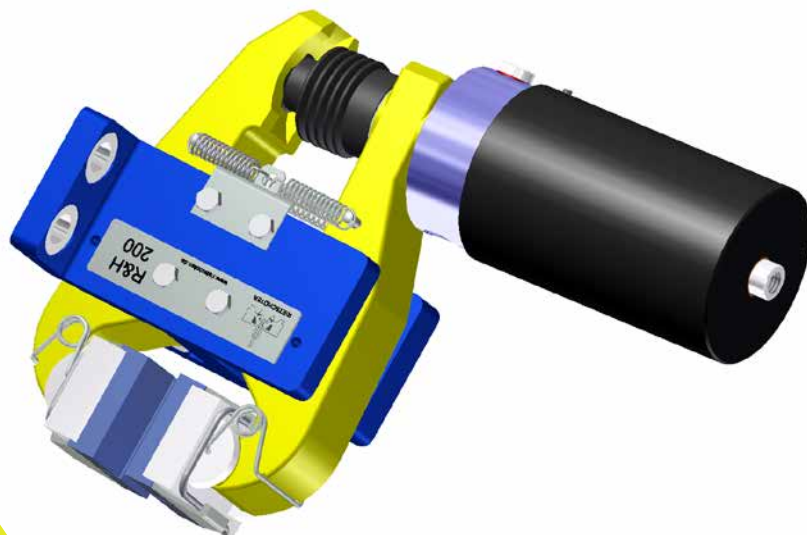


Mounting position: horizontal; with inclined positions please contact manufacturer

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2D-drawing and dimensions see pg. 2

	Nominal disc diameter (mm)									
	250	300	350	400	460	515	610	710	810	915
Type	Braking torque (Nm)									
R&H 200.562.01	140	170	200	240	280	310	380	450	510	580
R&H 200.560.01	400	500	600	700	820	930	1120	1320	1520	1720
R&H 200.550.01	625	780	940	1100	1280	1450	1750	2060	2375	2690
R&H 200.551.01	710	890	1060	1240	1450	1650	2000	2340	2700	3050
R&H 200.552.01	1040	1300	1560	1810	2130	2410	2900	3420	3940	4460

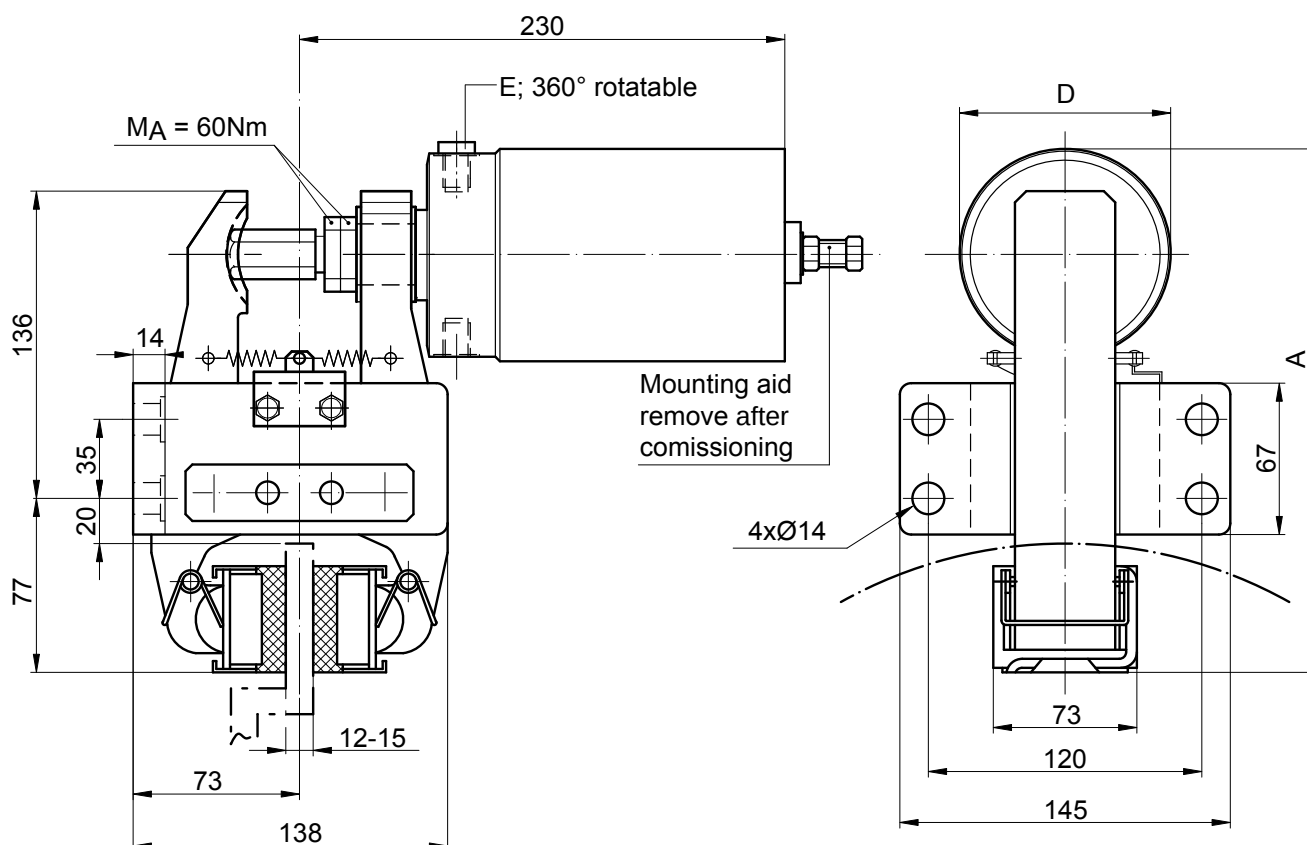
dyn. braking torque [kNm] {static torque = dynamic torque x 0.9}

oil volume : 25 cm³

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Mounting position: horizontal; with inclined positions please contact manufacturer

B10d 2.000.000 acc.: DIN EN 13849-1

Category 1 gem.: DIN EN 13849-1

Type	Part-No.:	D mm	A mm	E	pmin bar	pmax bar	weight kg
R&H 200.562.01	13597	80	227	G 1/8"	20	160	14
R&H 200.560.01	11294	80	227	G 1/8"	40	160	14
R&H 200.550.01	11291	95	234	G 1/4"	55	160	16
R&H 200.551.01	11292	95	234	G 1/4"	65	160	16
R&H 200.552.01	11293	95	234	G 1/4"	100	160	16

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2D-drawing and dimensions see pg. 2

Nominal disc diameter [mm]									
200	250	300	350	400	460	515	610	710	810
dyn. braking torque [Nm] (static torque = dynamic torque x 0.9)									
570	780	1000	1210	1420	1680	1910	2310	2740	3160

min. release pressure: 35 bar
max. operation pressure: 50 bar
Weight: 13,6 kg

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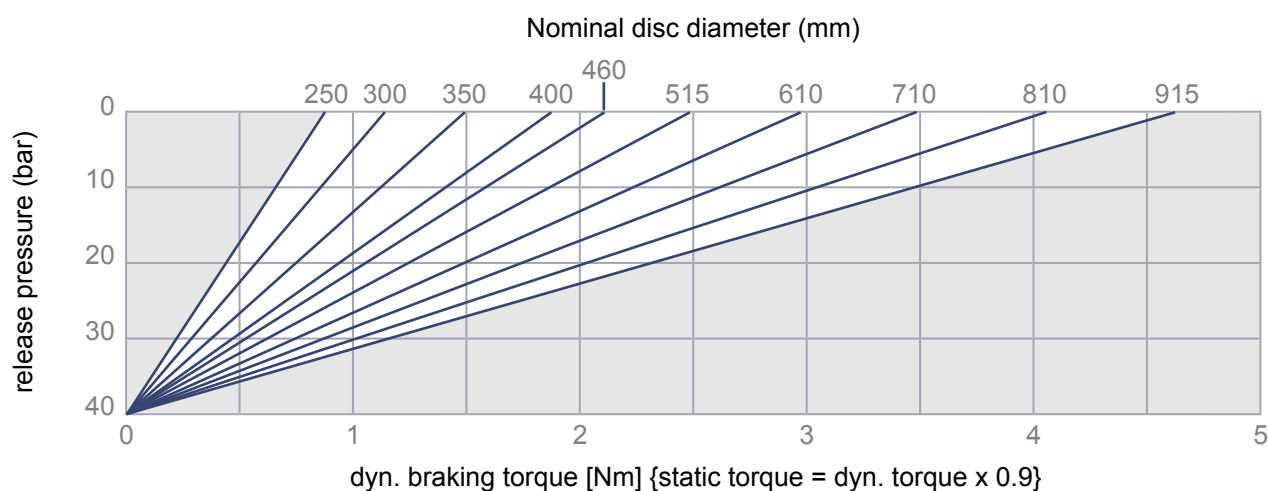
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NOTE

Brake with automatic wear adjustment.



2D-drawing and dimensions see pg. 2



min. pressure: 36 bar / max. pressure: 50 bar

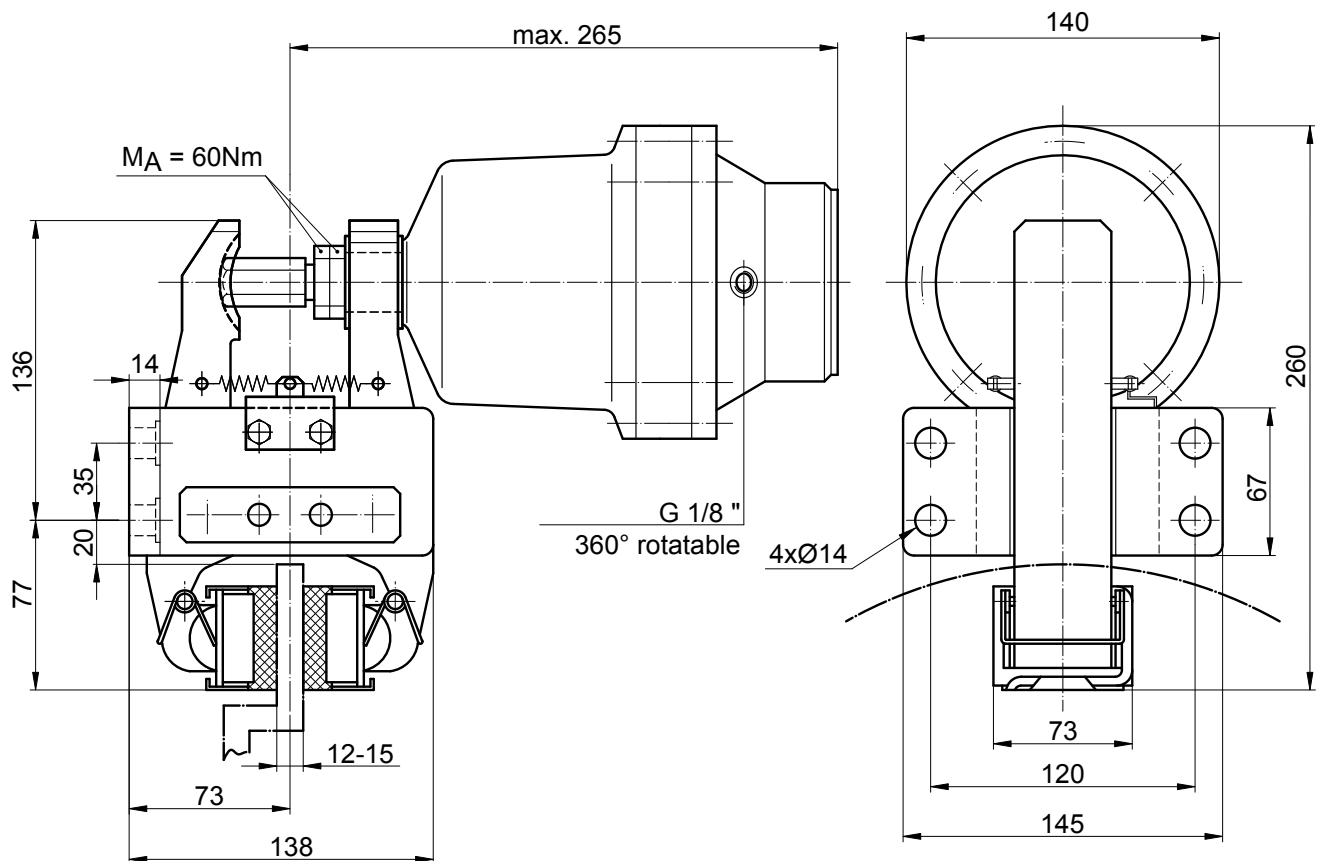
oil volume = 20,3 dm³ / stroke

weight: 13,6 kg

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Mounting position: horizontal; with inclined positions please contact manufacturer

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2D-drawing and dimensions see pg. 2

Actuating force 100%	Nominal diameter of disc [mm]							
	350	400	460	515	610	710	810	915
	dyn. braking torque [Nm] (static torque = dyn. torque x 0,9)							
R&H 215.560.01 R&H 225.560.01 R&H 230.560.01	630	740	870	990	1200	1420	1640	1870
R&H 215.550.01	1000	1180	1390	1580	1920	2270	2620	2990
R&H 215.551.01	1130	1330	1570	1790	2170	2570	2970	3390
R&H 215.552.01 R&H 225.552.01 R&H 230.552.01 R&H 245.552.01	1620	1910	2250	2570	3110	3680	4260	4860

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Low pressure



2D-drawing and dimensions see pg. 2

NOTE

Brake with automatic wear adjustment.

Actuating force	Nominal diameter of disc [mm]							
	350	400	460	515	610	710	810	915
	dyn. braking torque [Nm] (static torque = dyn. torque x 0,9)							
100%	1620	1910	2250	2570	3110	3680	4260	7860

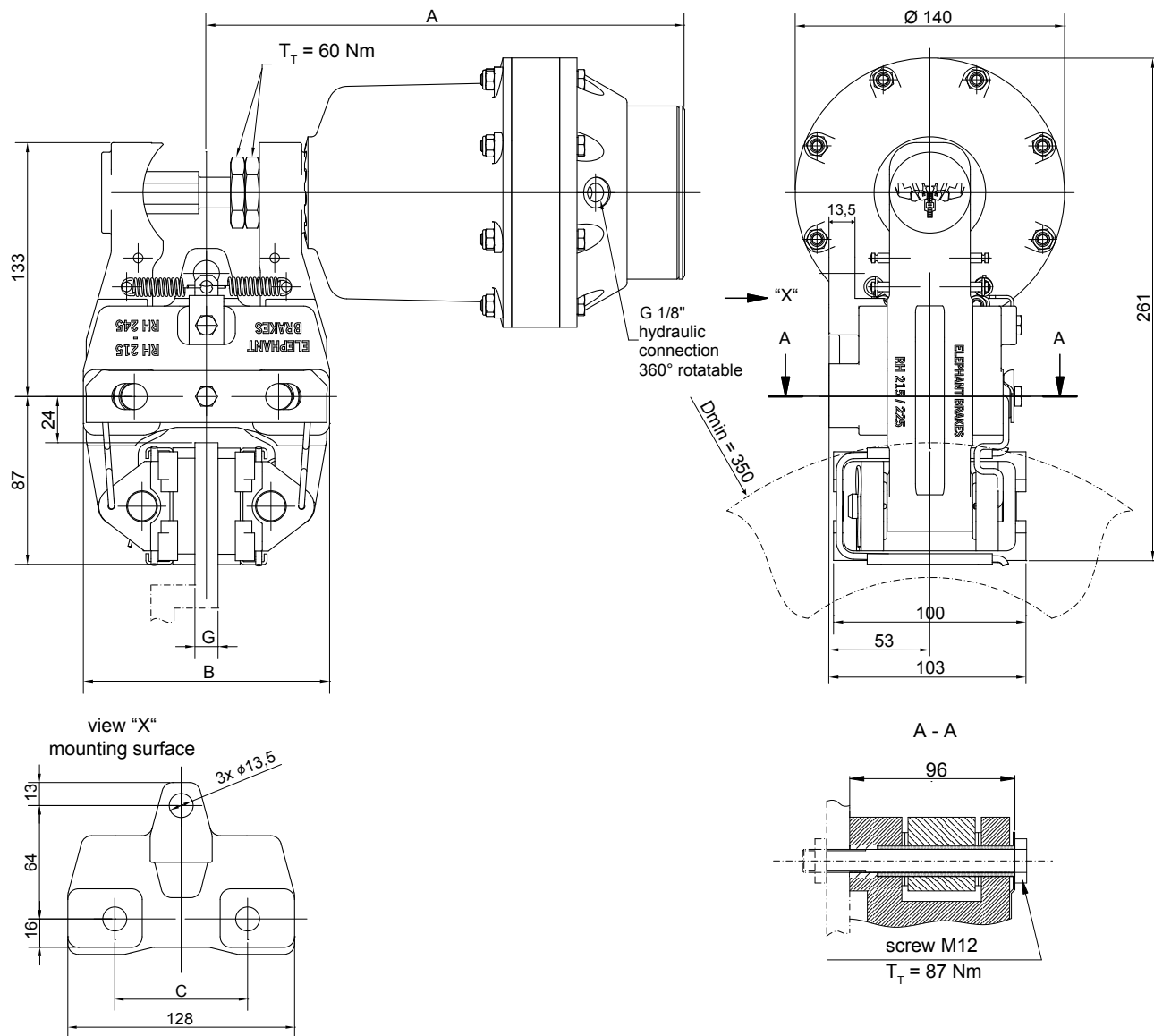
min. oil pressure: 36 bar

max. oil pressure: 50 bar

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Right hand mounted as shown is standard. Left hand mounted please state with order.
Mounting position: horizontal – with inclined positions please contact manufacturer.

Type	Part-No.:	A [mm]	B [mm]	C [mm]	G [mm]	airt cons. / stroke [cm ³]	Weight [kg]
R&H 215.558.01 m. Automatik	10899	265	130	75	12-15	20,3	12,6
R&H 225.558.01 m. Automatik	11103	270	140	84	25,4		
R&H 230.558.01 m. Automatik	11116	265	144	75	30		

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2D-drawing and dimensions see pg. 2

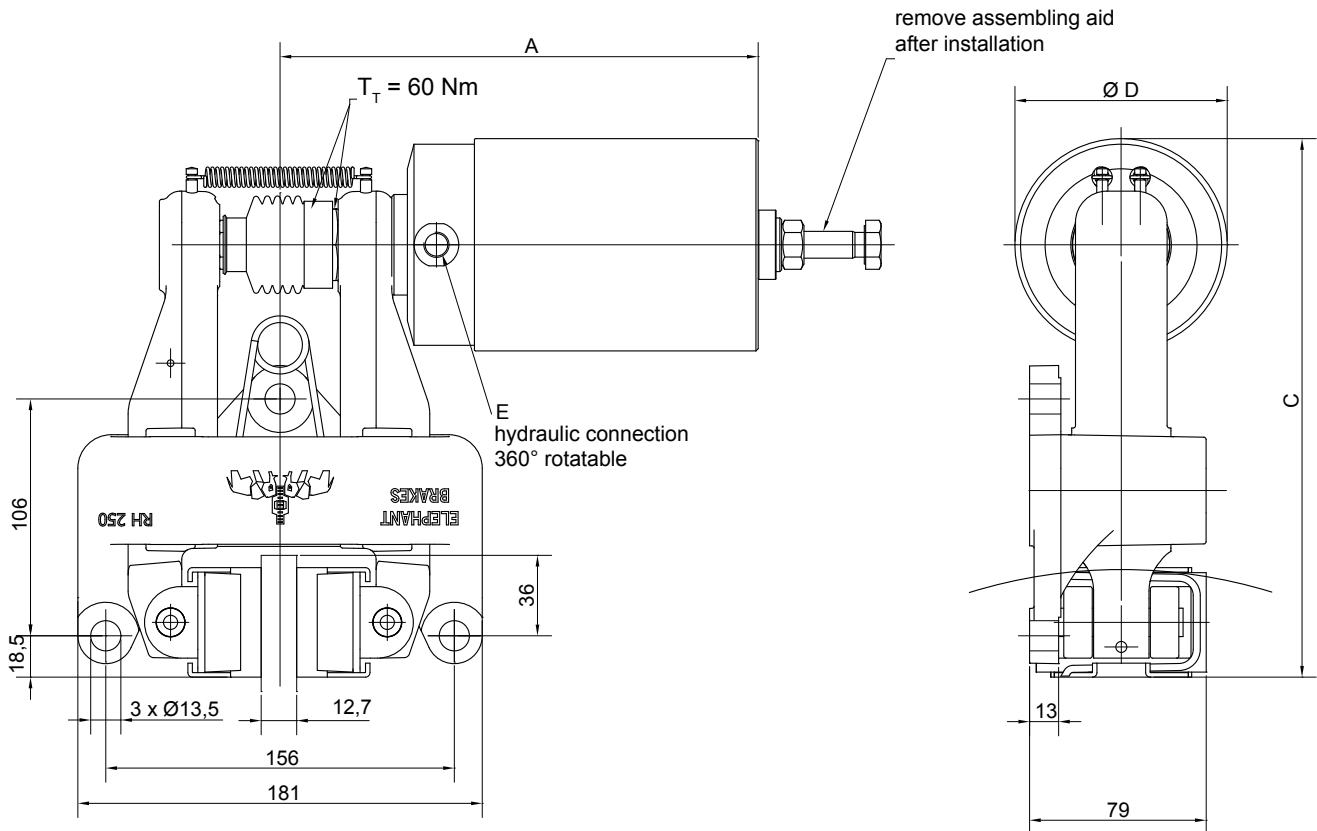
Actuating force	Nominal diameter of disc [mm]										
	200	250	300	350	400	460	515	610	710	810	915
	dyn. braking torque [Nm] (static torque = dyn. torque x 0,9)										
R&H 250.560.01 R&H 250.560.01 HP	310	420	530	640	750	880	1000	1210	1430	1650	1880
R&H 250.550.01 R&H 250.550.01 HP	490	570	850	1020	1200	1410	1600	1940	2390	2640	3010
R&H 250.551.01	560	760	960	1160	1360	1600	1810	2190	2590	2990	3410

max. oil volume: 25 cm³

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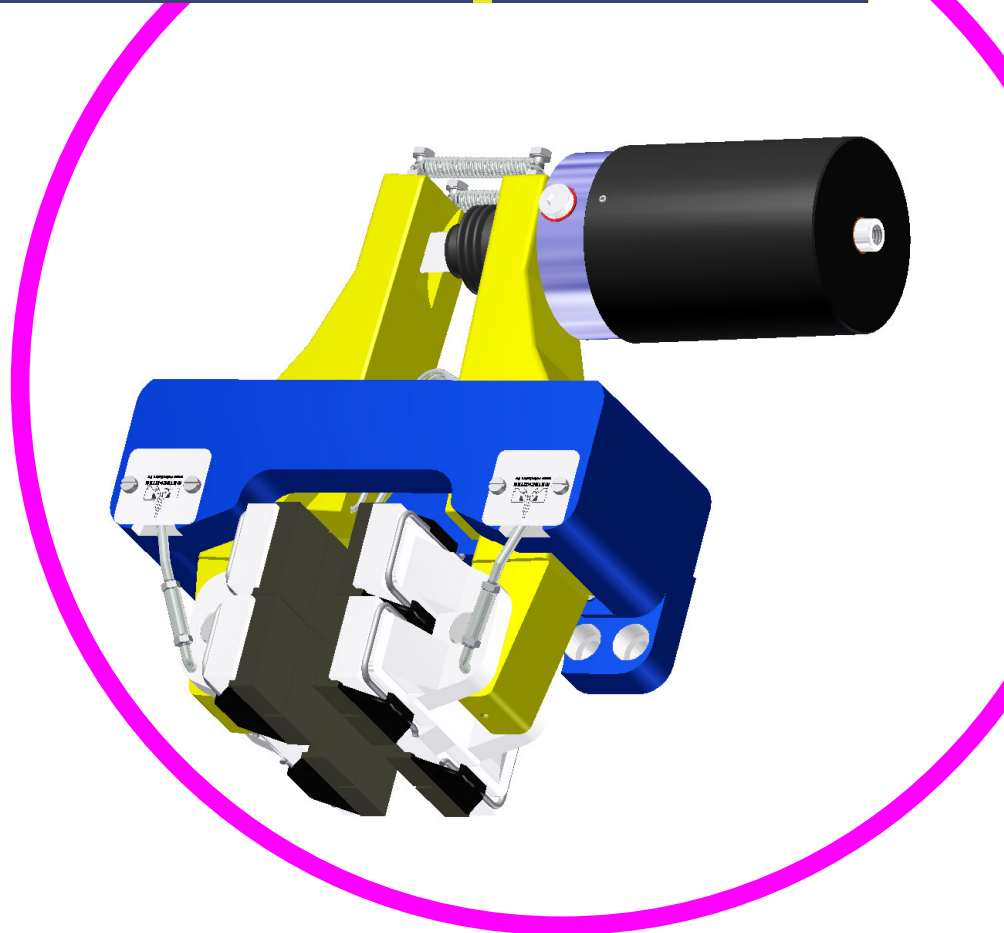
Mounting position: horizontal – with inclined positions please contact manufacturer.

Type	Part-No.:	A [mm]	C [mm]	D [mm]	E	p _{min} [bar]	p _{max} [bar]	Weight [kg]
R&H 250.560.01	11843	233	234	80	G 1/8"	40	160	11,5
R&H 250.550.01	12129	240	241	95	G 1/4"	55	160	14
R&H 250.551.01	12130	240	241	95	G 1/4"	65	160	13,4
R&H 250.560.01 High Pressure	14179	233	234	80	G 1/8"	55	210	11,5
R&H 250.550.01 High Pressure	14176	240	241	95	G 1/4"	75	210	14

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2D-drawing and dimensions see pg. 2

	Nominal disc diameter (mm)							
	560	630	710	800	900	1000	1250	1600
Type	Braking torque (Nm)							
R&H 300.551.04	1880	2120	2445	2815	3230	3620	4610	6010
R&H 300.552.04	2810	3160	3650	4210	4810	5400	6885	8970
R&H 300.563.04	3320	3730	4310	4970	5680	6370	8125	10585

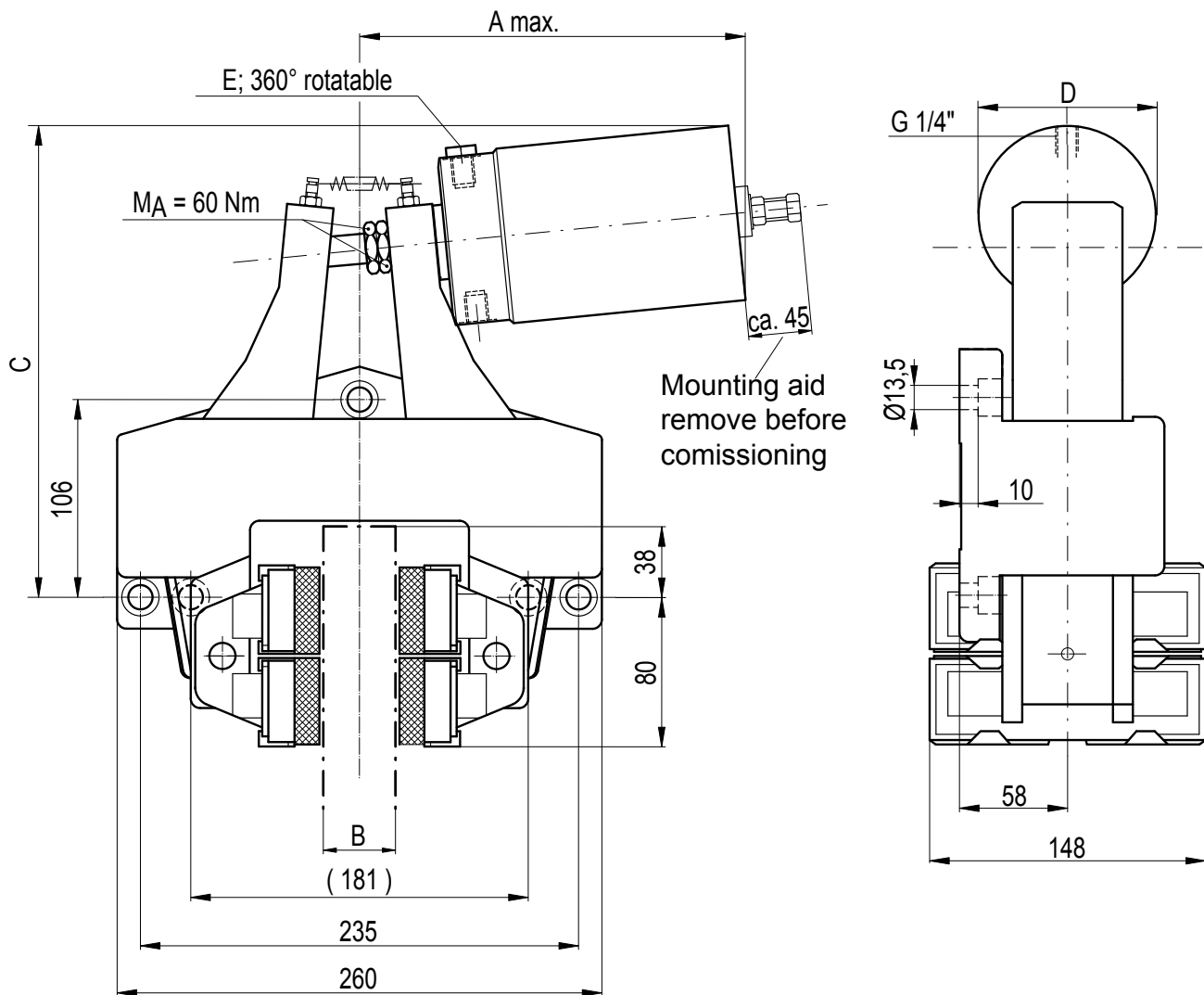
dyn. braking torque [Nm] {static torque = dyn. torque x 0.9}

oil volume = 25 cm³ / stroke

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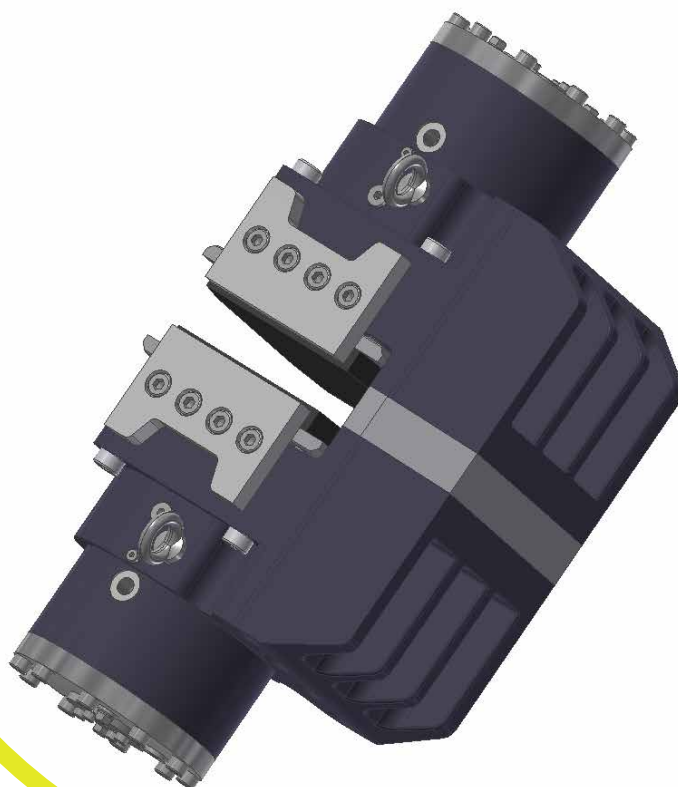
Right hand mounted as shown = Standard; left hand mounted please state with order.

Type	Part-No.:	A (mm)	B (mm)	C (mm)	D (mm)	E	pmin (bar)	pmax (bar)	weight (kg)
R&H 300.551.04	12260	230	30	250	95	G 1/4"	65	160	29
R&H 300.552.04	12261	230	30	250	95	G 1/4"	100	160	29
R&H 300.563.04	12256	230	30	250	95	G 1/4"	130	160	29

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2D-drawing and dimensions see pg. 2

Braking torque M_{Br} [kNm] = Braking force [kN] x eff. disc radius [m]
 eff. disc radius = (0,5 x brake disc Ø [m]) - 0,078 m

Type	Part-No.	braking force [kN]	Loss of force per 1 mm [%]	$p_{min.}$ [bar]	$p_{max.}$ [bar]
EBS 002 – 50	60096-50	50	9	134	180
EBS 002 – 46	60096-46	46	10	125	171
EBS 002 – 41	60096-41	41	6,6	106	162
EBS 002 – 39	60096-39	38	7,5	100	146
EBS 002 – 36	60096-36	36	8,5	95	141
EBS 002 – 31	60096-31	31	8,2	73	119
EBS 002 – 29	60096-29	29	9,2	64	110

Oil demand at 2 mm air gap: 27 cm³

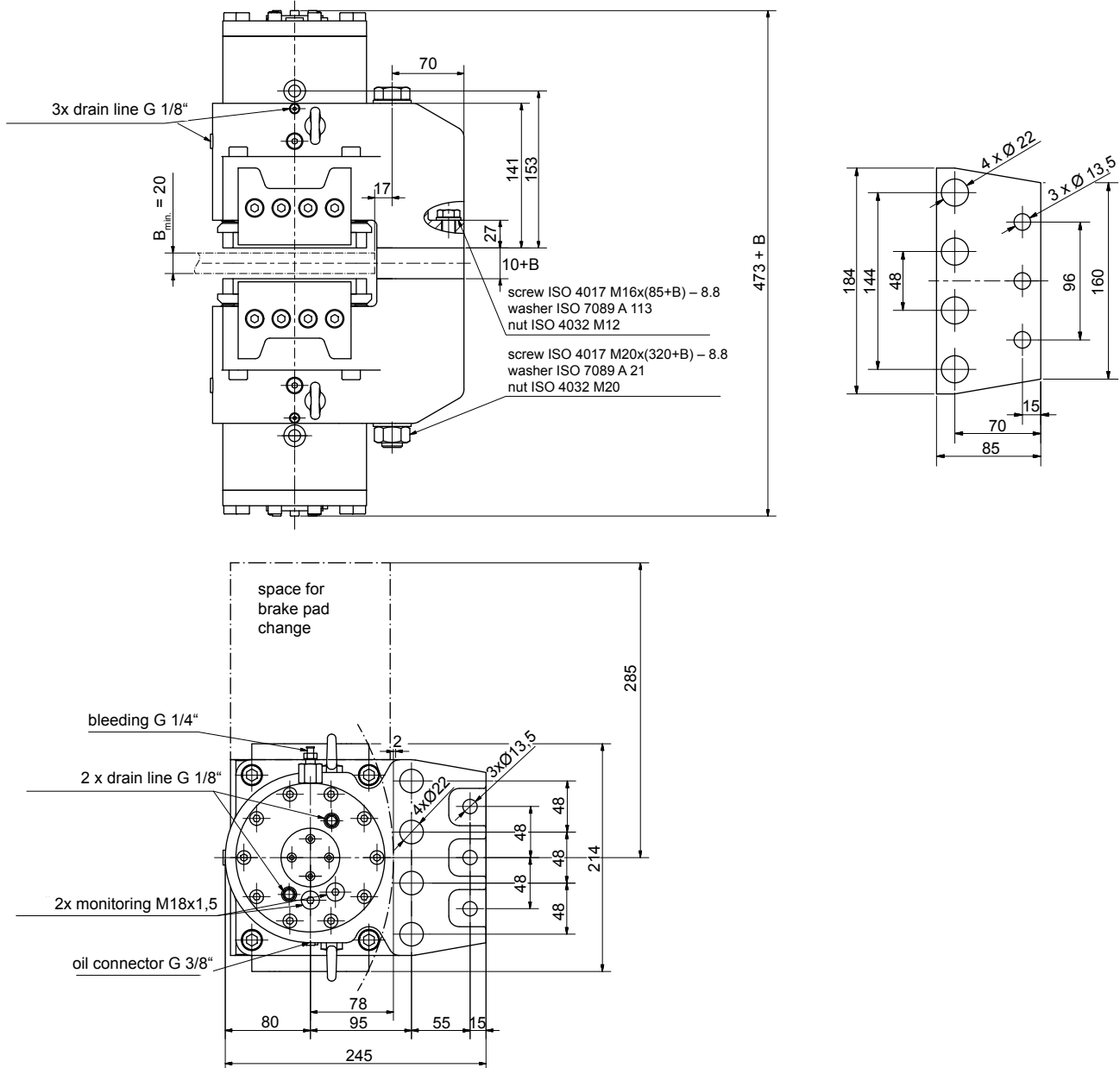
Brake suitable for mounting on brake discs according to DIN 15433 Dmin. Ø > 500 mm

Weight: one half of caliper 45 kg (total weight: 90 kg)

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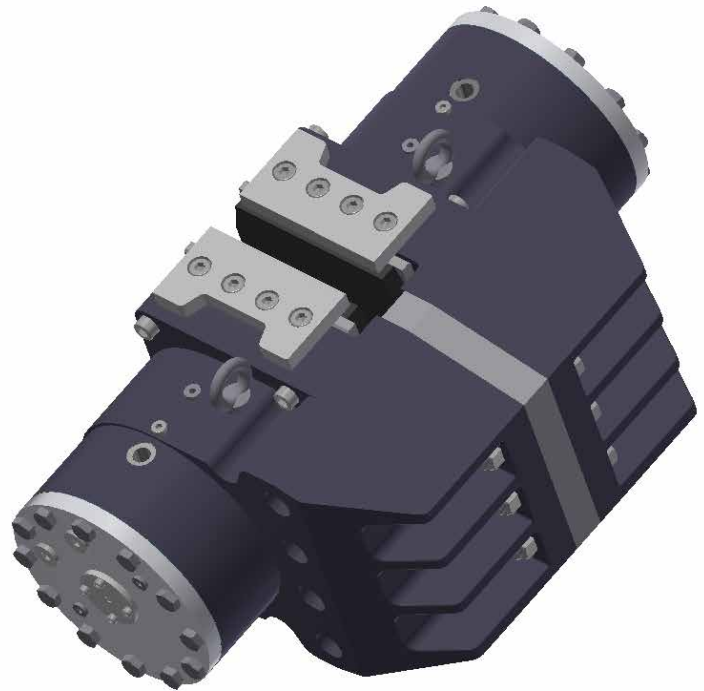
Threaded bolts, screws and nuts are not scope of supply!

Min. quality of fixing materials: 8.8

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2D-drawing and dimensions see pg. 2

Braking torque M_{Br} [kNm] = Braking force [kN] x eff. disc radius [m]
 eff. disc radius = (0,5 x brake disc Ø [m]) - 0,095 m

Type	Part-No.	braking force [kN]	Loss of force per 1 mm [%]	$p_{min.}$ [bar]	$p_{max.}$ [bar]
EBS 004 – 104	60095-104	104	8	130	180
EBS 004 – 96	60095-96	96	9	122	172
EBS 004 – 88	60095-88	88	10,2	114	164
EBS 004 – 80	60095-80	80	11,8	106	156
EBS 004 – 72	60095-72	72	13,9	97	147
EBS 004 – 62	60095-62	62	16,9	88	138
EBS 004 – 56	60095-56	56	6	68	118
EBS 004 – 53	60095-53	53	6,7	65	115
EBS 004 – 49	60095-49	49	7,6	62	112

Oil demand at 2 mm air gap (per side): 56 cm³

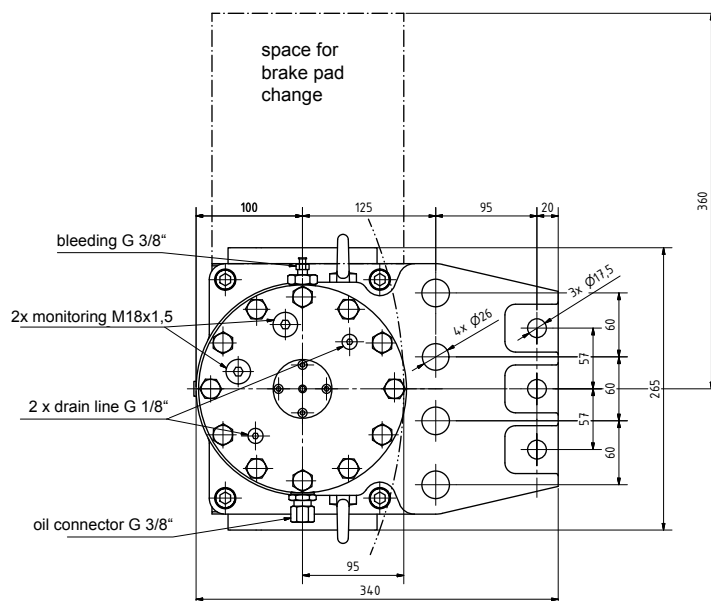
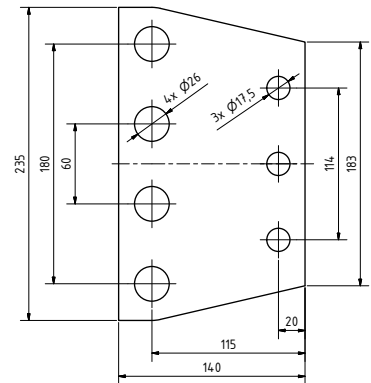
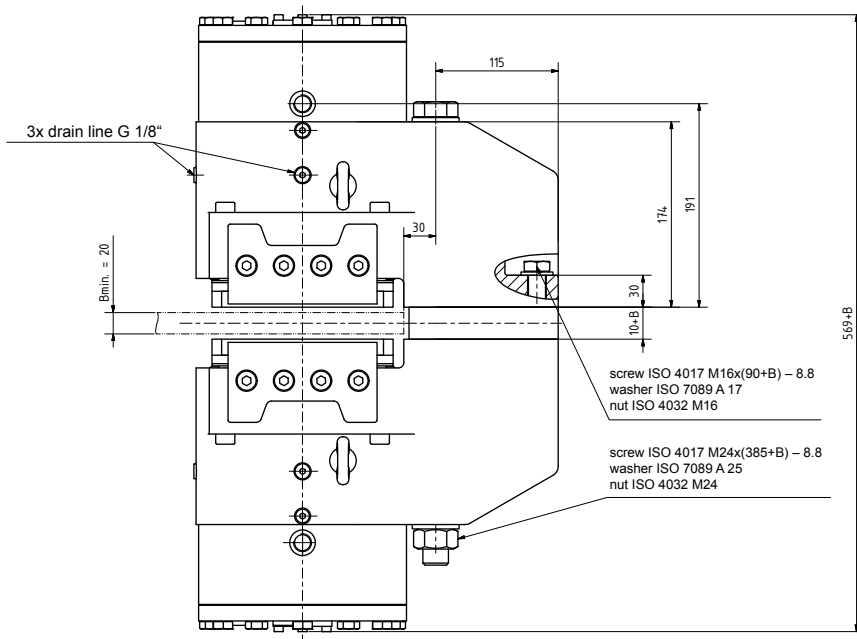
Brake suitable for mounting on brake discs according to DIN 15433 Dmin. Ø > 800 mm

Weight: one half of caliper 95 kg (total weight: 190 kg)

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Min. quality of fixing materials: 8.8

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