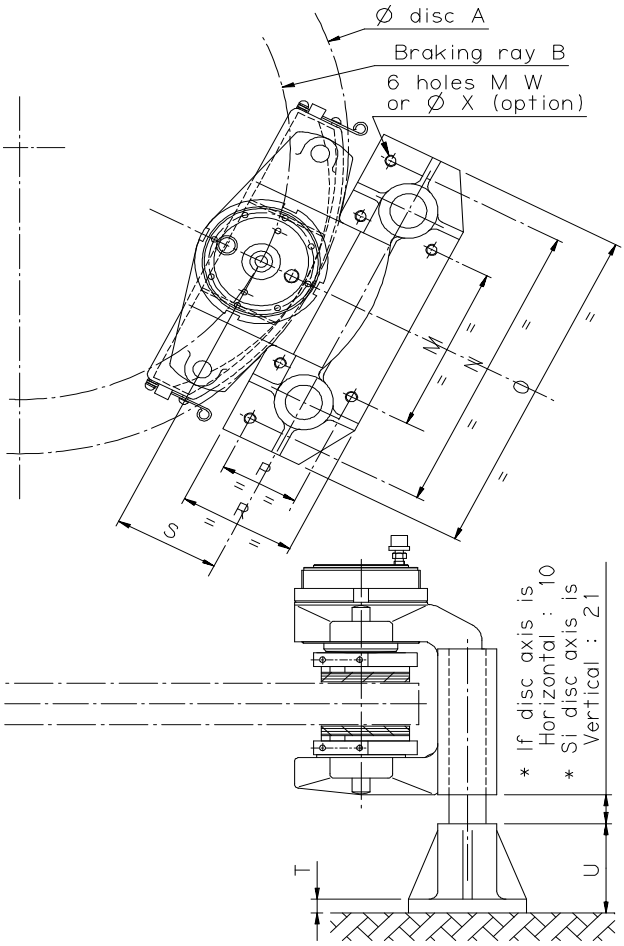
Appareils Transformation de Vitesse

Direction Technique et Commerciale Paris
54, Route de Sartrouville
F 78230 Le Pecq
Tel : (33) - 1 - 30.15.41.00.
Fax : (33) - 1 - 30.15.41.19.

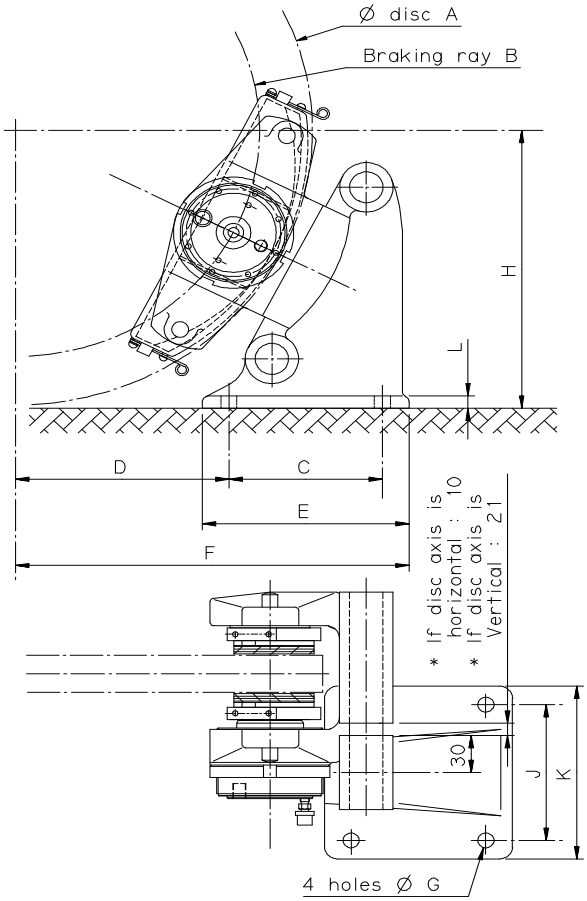
ADH 60 - ADH 90 ADH 120

GENERAL MOUNTING OF THE BRAKES ADH 60 - ADH 90 - ADH 120

Fitting with foot plate parallel to the disc



Fitting with bracket perpendicular to the disc



Dimensions and Data open to improvement

BRAKE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	W	X
ADH	**315**	117	90	135	130	245	12	**160**	110	140	10	120	210	240	54	80	72	10	65	8	9
ADP	**355**	138	95	145	135	260	12	**180**	110	140	10	120	210	240	54	80	72	10	65	8	9
60	**395**	156	105	150	145	275	12	**200**	110	140	10	120	210	240	54	80	72	10	65	8	9
	445	183	115	160	155	295	12	**225**	110	140	10	120	210	240	54	80	72	10	65	8	9
ADH	**495**	190	145	165	195	335	14	**250**	120	150	15	160	270	300	66	96	80	12	70	10	11
90	**550**	220	155	180	205	360	14	**280**	120	150	15	160	270	300	66	96	80	12	70	10	11
	625	255	170	190	220	385	14	**315**	120	150	15	160	270	300	66	96	80	12	70	10	11
ADH	**705**	278	210	230	270	470	16	**355**	140	175	20	200	370	400	70	100	103	15	85	12	13
120	**795**	322	230	250	290	510	16	**400**	140	175	20	200	370	400	70	100	103	15	85	12	13

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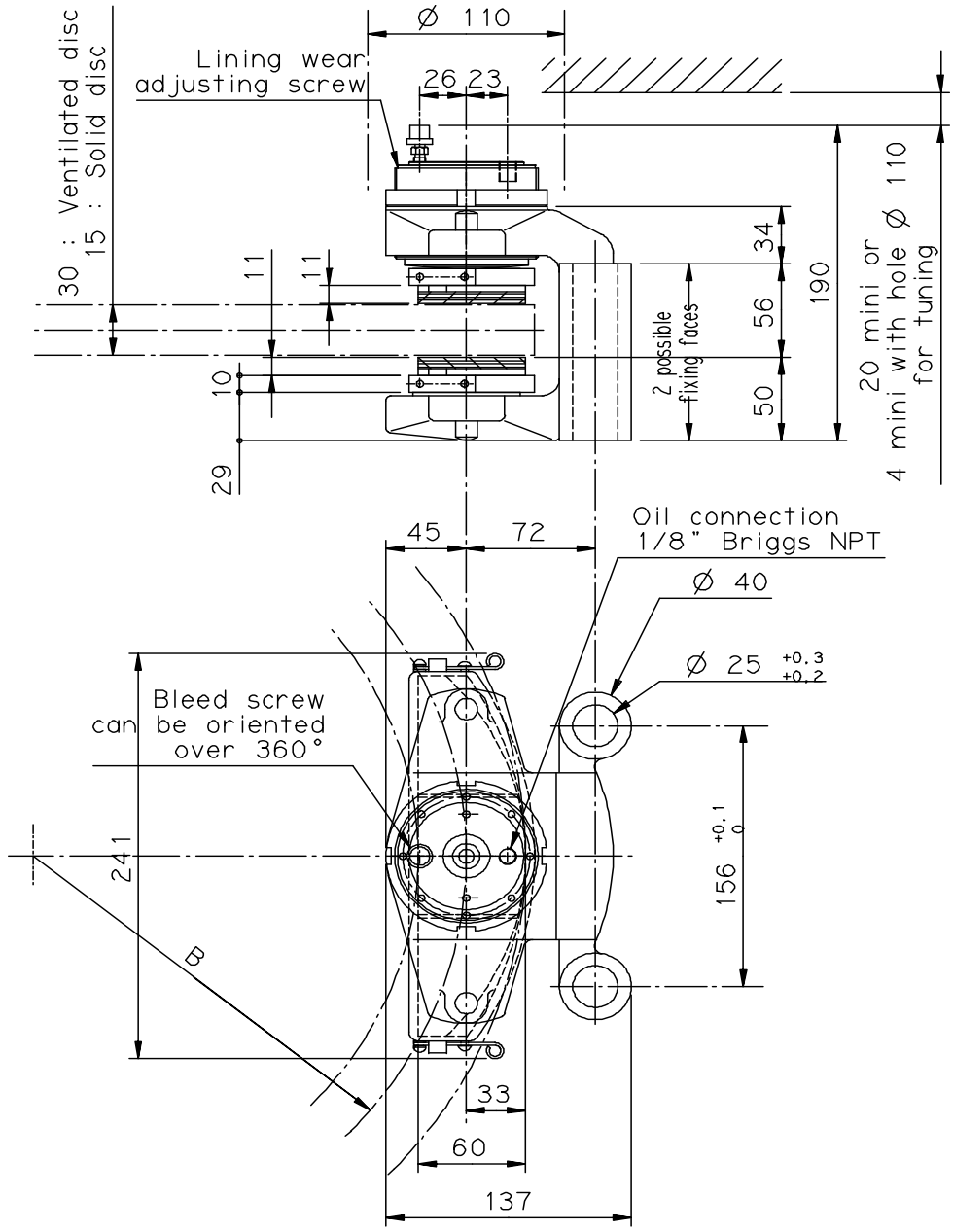
ADH 60

HYDRAULIC DIRECT ACTION BRAKE



Dimensions and Data open to

Braking torque = Braking force / 1000 x B (B = Friction radius in mm)

For "B" dimension and fixing data, see general mounting page D1/10

Service pressure	bar	50
Cylinder volume	cm³	26
Braking force **P = Available pressure (bar)**	N	F = (P-2,5) x 156
Weight	kg	11

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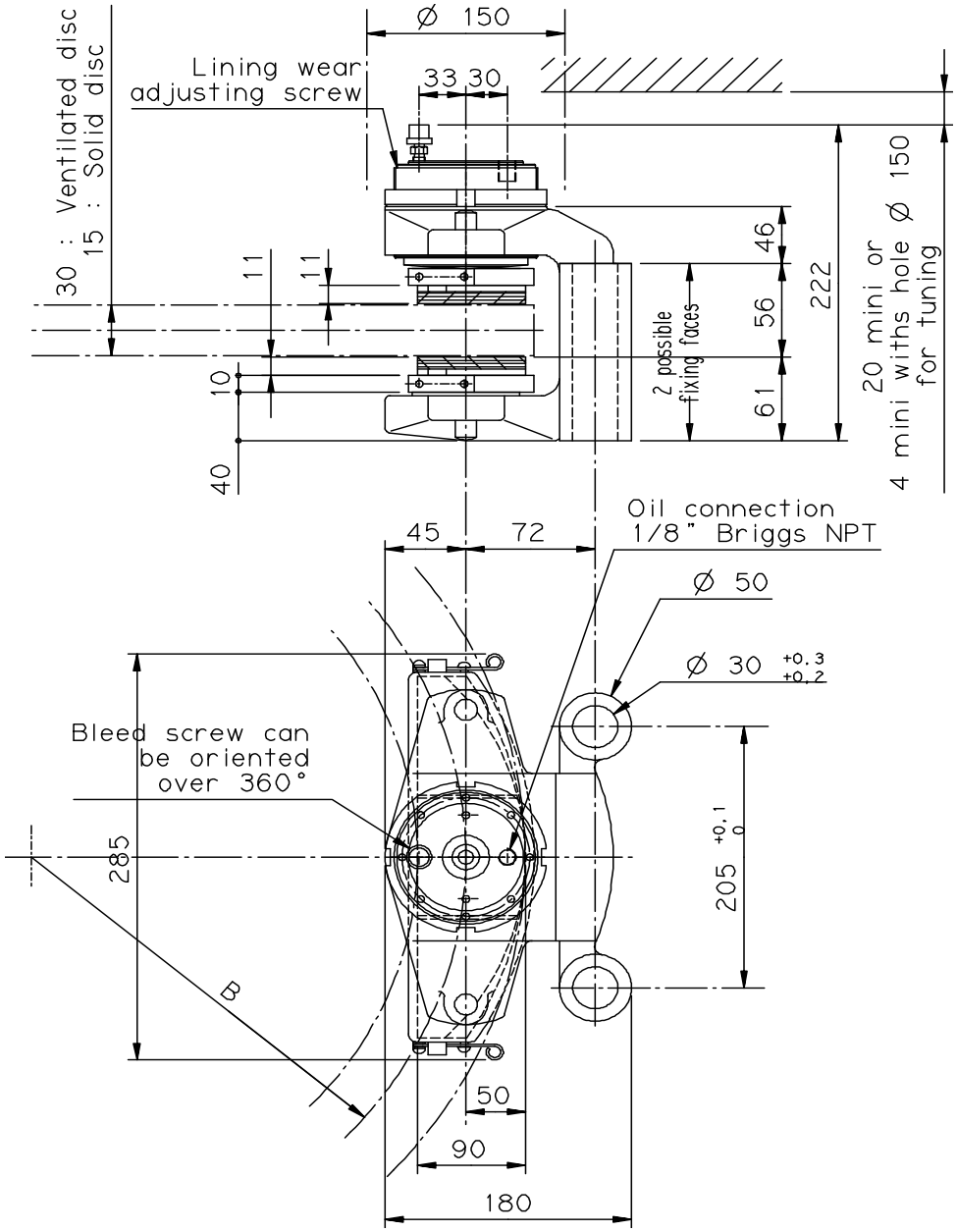
ADH 90

HYDRAULIC DIRECT ACTION BRAKE



Dimensions and Data open to improvement

Braking torque = Braking force / 1000 x B (B = Friction radius in mm)

For "B" dimension and fixing data, see general mounting page D1/10

Service pressure	bar	50
Cylinder volume	cm³	35
Braking force **P = Available pressure (bar)**	N	F = (P-2,5) x 300
Weight	kg	23

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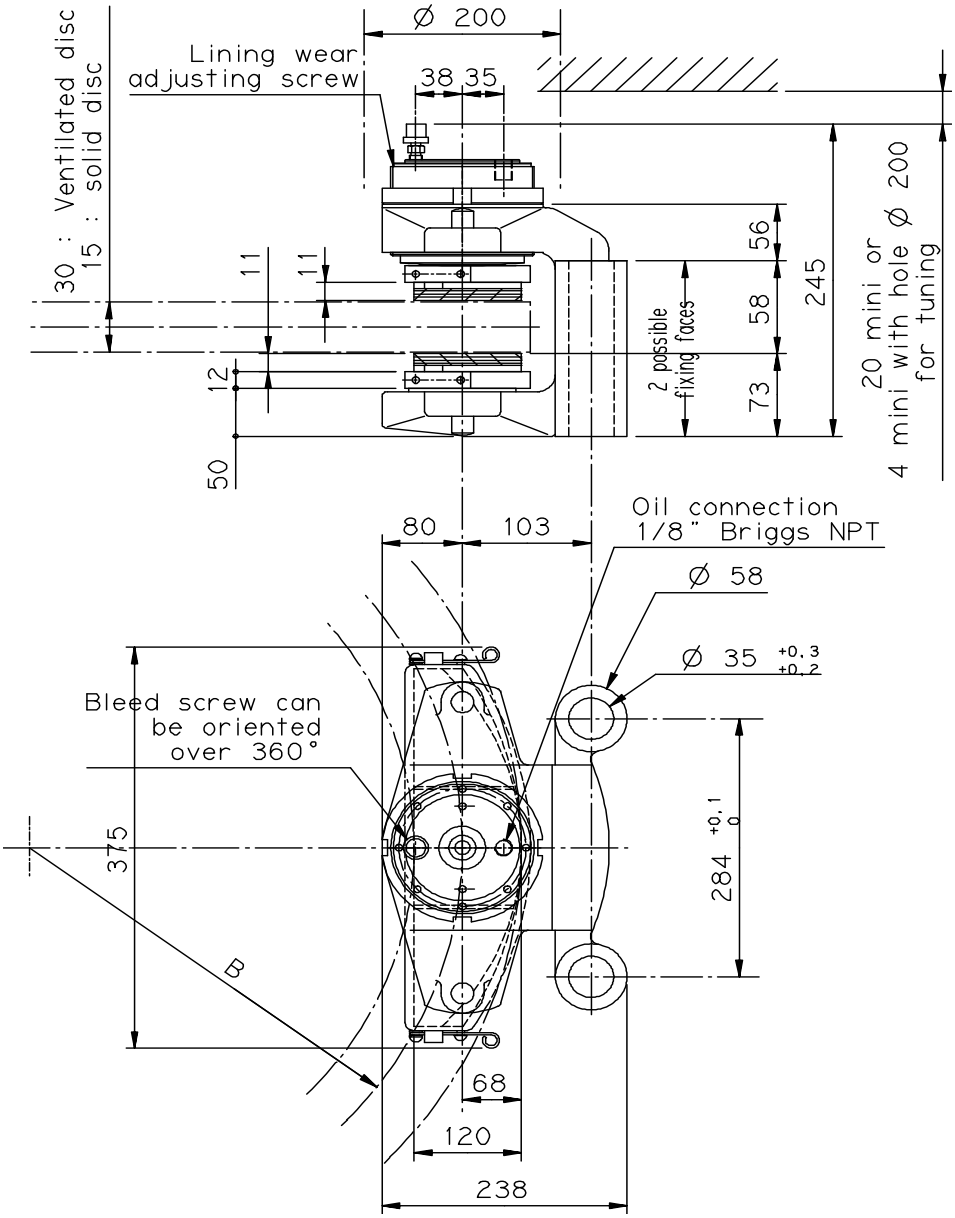
ADH 120

HYDRAULIC DIRECT ACTION BRAKE



Dimensions and Data open to improvement

Braking torque = Braking force / 1000 x B (B = Friction radius in mm)

For "B" dimension and fixing data, see general mounting page D1/10

Service pressure	bar	50
Cylinder volume	cm³	54,9
Braking force **P =Available pressure(bar)**	N	F = (P-2,5) x 471
Weight	kg	45

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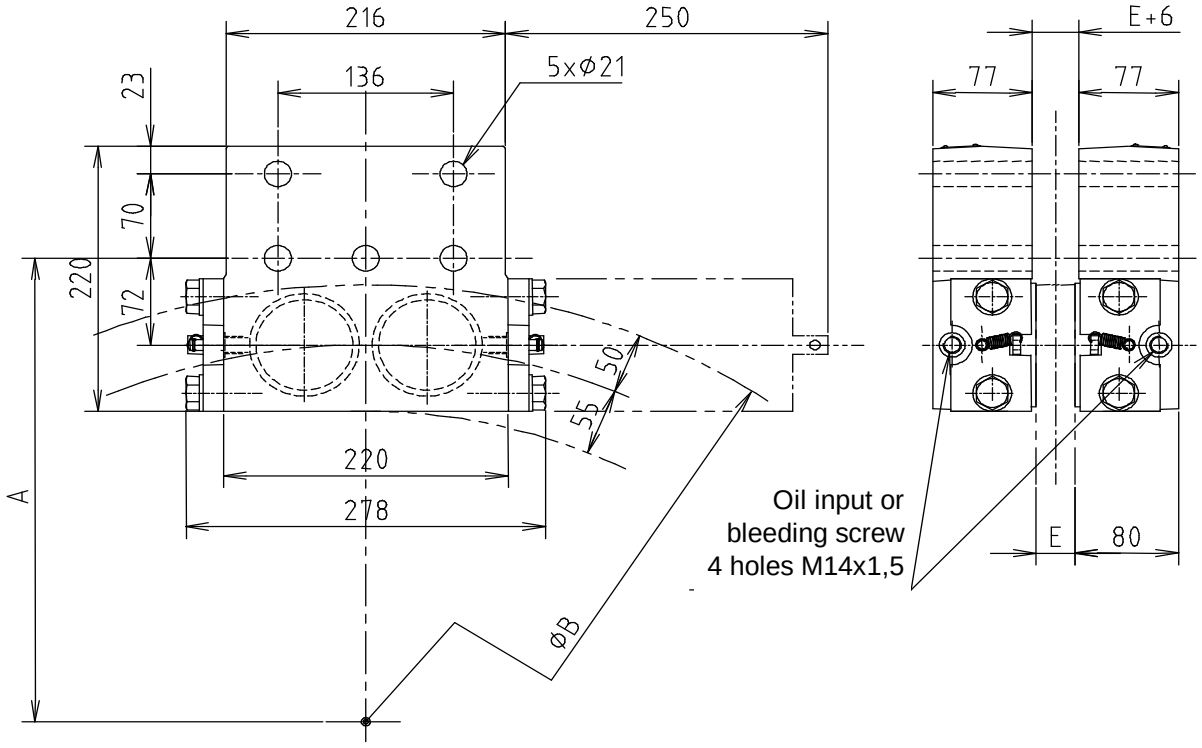
DADH 75

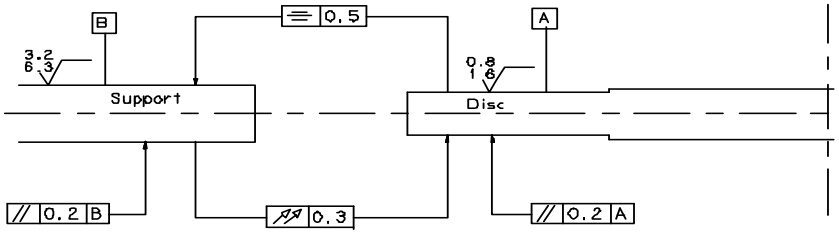
HYDRAULIC DIRECT ACTION BRAKE - PRESSURE APPLIED

- FASTENING -
5 screw M 20 : Class 10-9
Tightening torque : 430 N.m



Dimensions and Data open to improvement

Installation



Braking torque (N.m) = Braking force / 1000 x [(ØB)/2 - 50]

BRAKING FORCE					Max.		
Service pressure	bar	30	60	100	160	200	
Static	N	19 000	38 000	63 000	101 000	127 000 (Lining A)	**DADH 75-A**
Dynamic	N	14 000	28 000	47 000	76 000	95 000 (Lining M)	**DADH 75-M**

CALIPER			
Displaced volume for complete braking	cm³	17	(4,25 cm³ per piston)
Total volume (worn linings)	cm³	176	(44 cm³ per piston)
Response time		< 0,1	
Weight	kg	60	
A	mm	= (ØB)/2 + 22	

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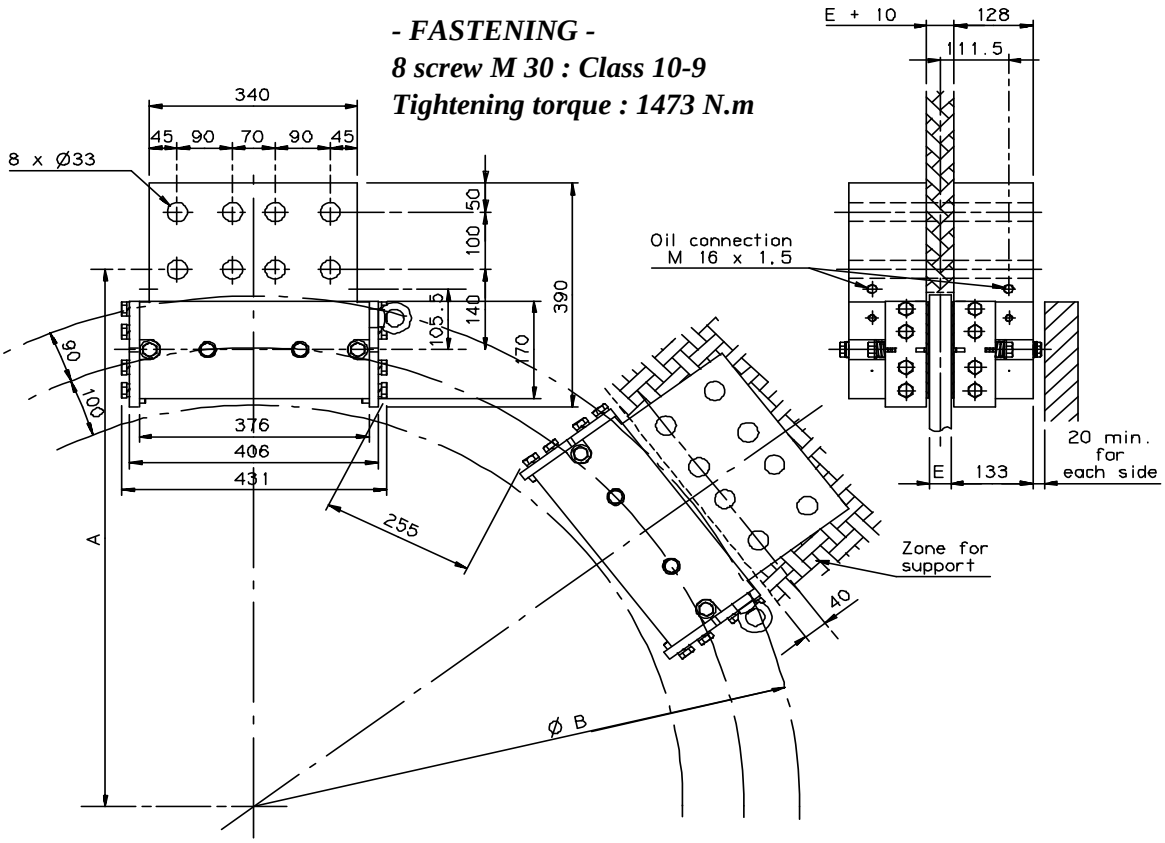
DADH 195

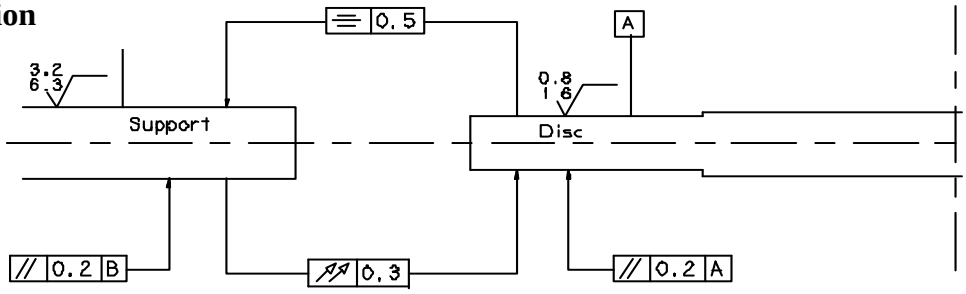
HYDRAULIC DIRECT ACTION BRAKE - PRESSURE APPLIED

- FASTENING -
8 screw M 30 : Class 10-9
Tightening torque : 1473 N.m



Dimensions and Data open to improvement

Installation



With automatic lining wear adjustment

Braking torque (N.m) = Braking force / 1000 x [(ØB)/2 - 90]

BRAKING FORCE						
Service pressure	bar	50	75	100		
Static	N	77 000	126 000	195 000	(Lining A)	**DADH 195-A**
Dynamic	N	55 000	85 000	145 000	(Lining M)	**DADH 195-M**

CALIPER			
Displaced volume for complete braking	cm³	57	(14,25 cm³ per piston)
Total volume (worn linings)	cm³	1726	(431,5 cm³ per piston)
Response time	s	<0,1	
Weight	kg	230	
A	mm	= (ØB)/2 + 50	

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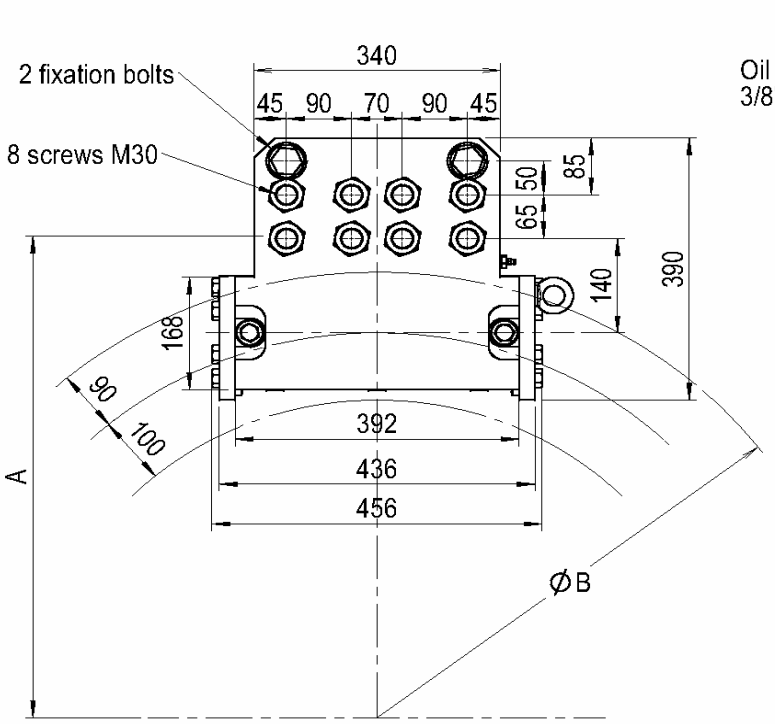
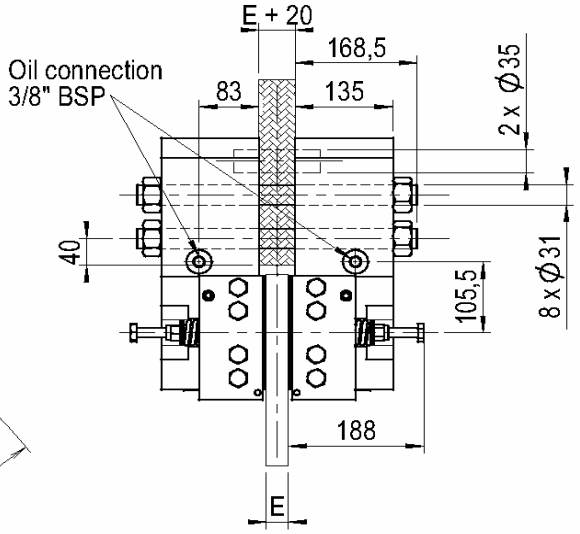
DADH 350

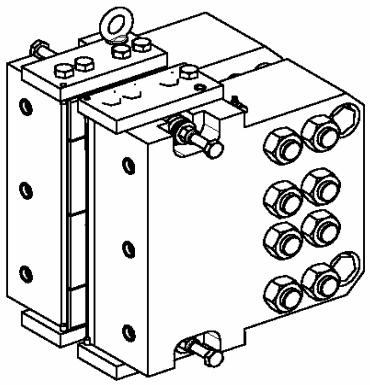
HYDRAULIC DIRECT ACTION DISC BRAKE

- FASTENING -
8 screws M 30
Tightening torque : 1500 Nm
+ 2 fixation bolts

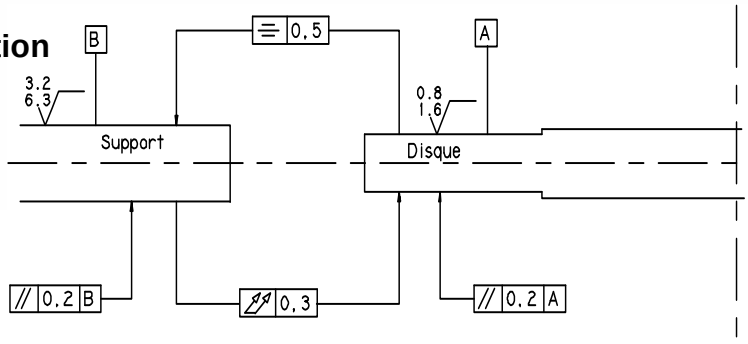




Dimensions and Data open to improvement



Installation



Braking torque (N.m) = Braking force / 1000 x [(ØB/2 - 90]

BRAKING FORCE						
Service pressure		bar	160	180	200	
Static	**(Lining A)**	N	330 000	370 000	410 000	**DADH 350-A**
Dynamic	**(Lining M)**	N	300 000	330 000	370 000	**DADH 350-M**

CALIPER			
Displaced volume for complete braking	cm³	180	(With 1mm gap)
Total volume (worn linings)	cm³	1100	(8mm of wear per lining)
Response time	s		according to volume
Weight	kg	280	(With fixation screws)
A	mm	= (ØB)/2 + 50	

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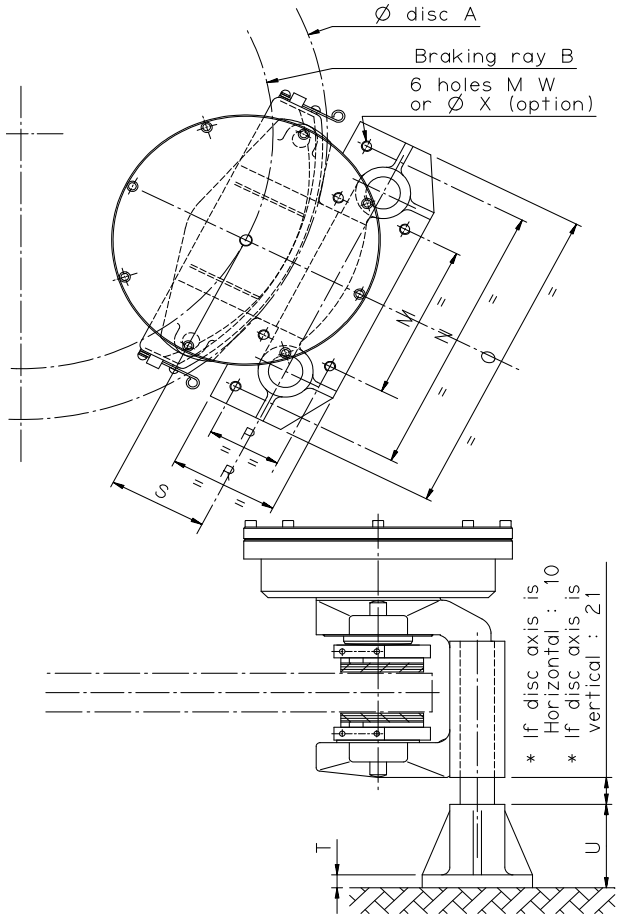
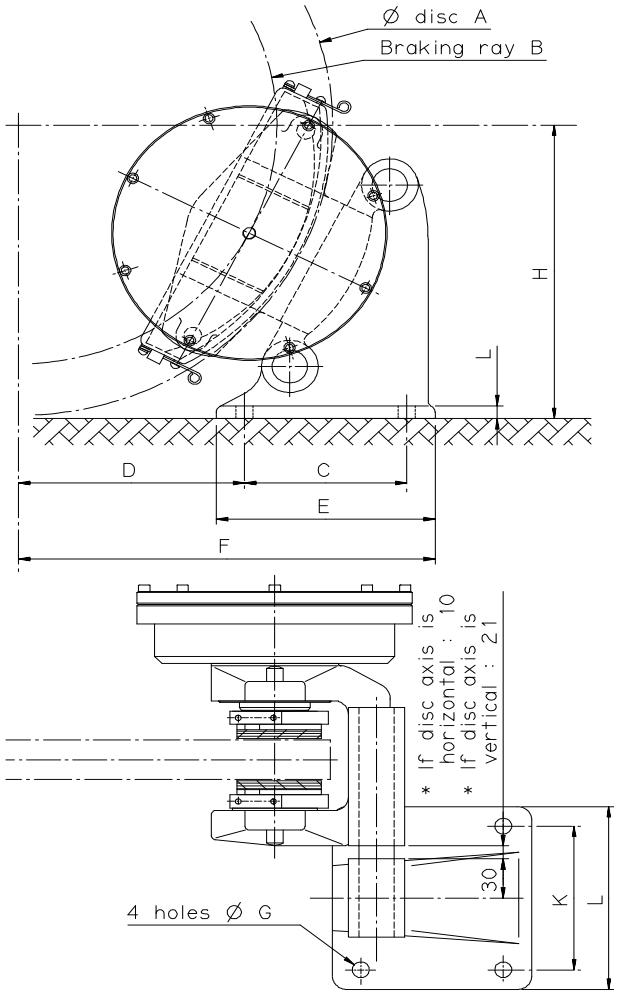
ADP 60M - ADP 61M ADP 62M

GENERAL MOUNTING OF THE BRAKES ADP 60M - ADP 61M - ADP 62M

Fitting with foot plate parallel to the disc



Fitting with bracket perpendicular to the disc



Dimensions and Data to open to improvement

For non standard discs, please contact ATV

BRAKE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	W	X
ADP 60M	**315**	117	90	135	130	245	12	**160**	110	140	10	120	210	240	54	80	72	10	65	8	9
ADP 61M	**355**	138	95	145	135	260	12	**180**	110	140	10	120	210	240	54	80	72	10	65	8	9
and	**395**	156	105	150	145	275	12	**200**	110	140	10	120	210	240	54	80	72	10	65	8	9
ADP 62M	**445**	183	115	160	155	295	12	**225**	110	140	10	120	210	240	54	80	72	10	65	8	9

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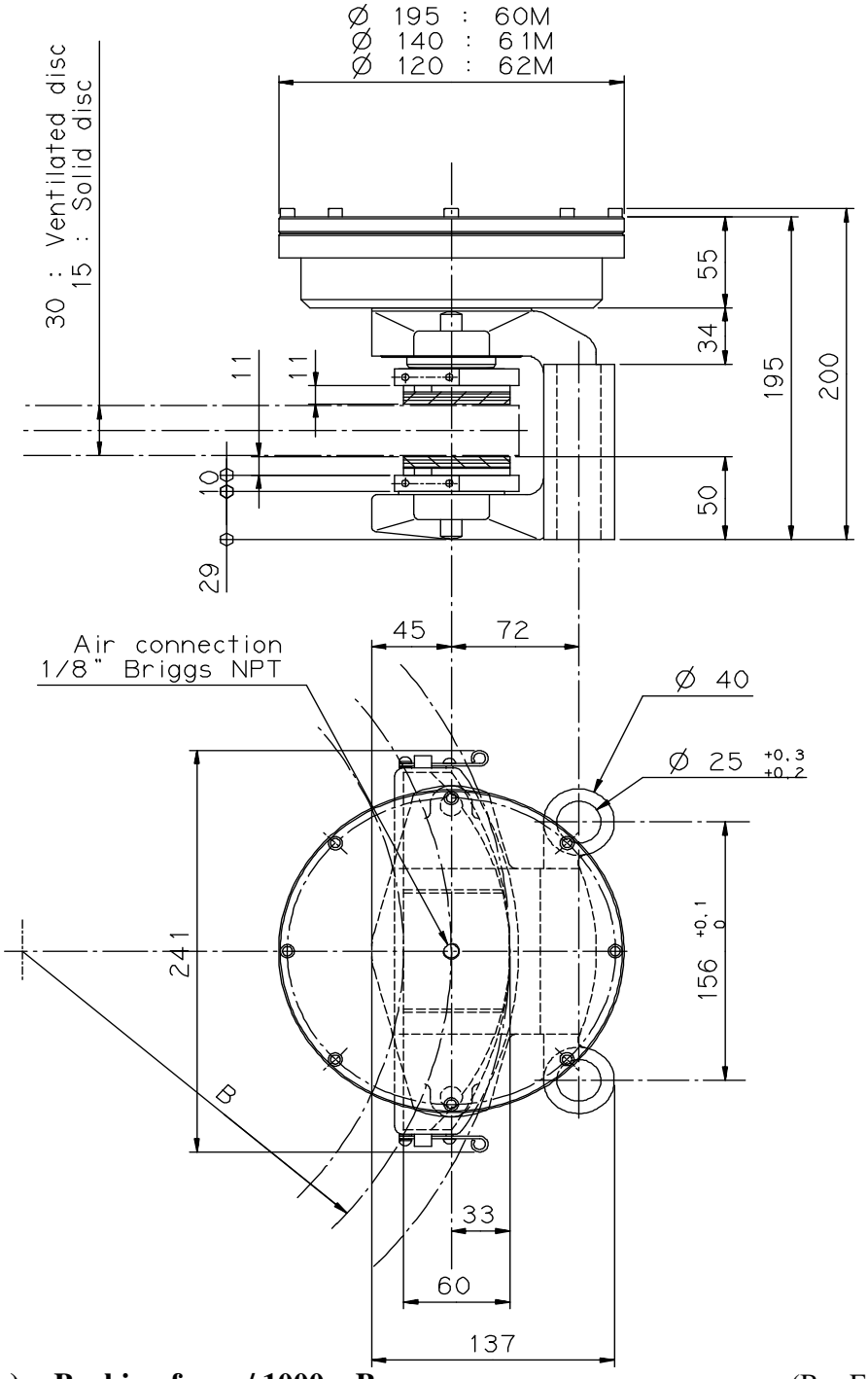
ADP 60M - ADP61M
ADP 62M

PNEUMATIC DIRECT ACTION BRAKE



Dimensions and Data open to improvement

Braking torque (N.m) = Braking force / 1000 x B (B = Friction radius in mm)

**** For "B" dimension and fixing data, see general mounting page D2/10***

		ADP 60M	ADP 61M	ADP 62M
Pressure	bar	7,5	15	15
Braking force *	N	F = P x 990	F = P x 424	F = P x 265
	* P = Available pressure (bar)			
Weight	kg	12	11	10

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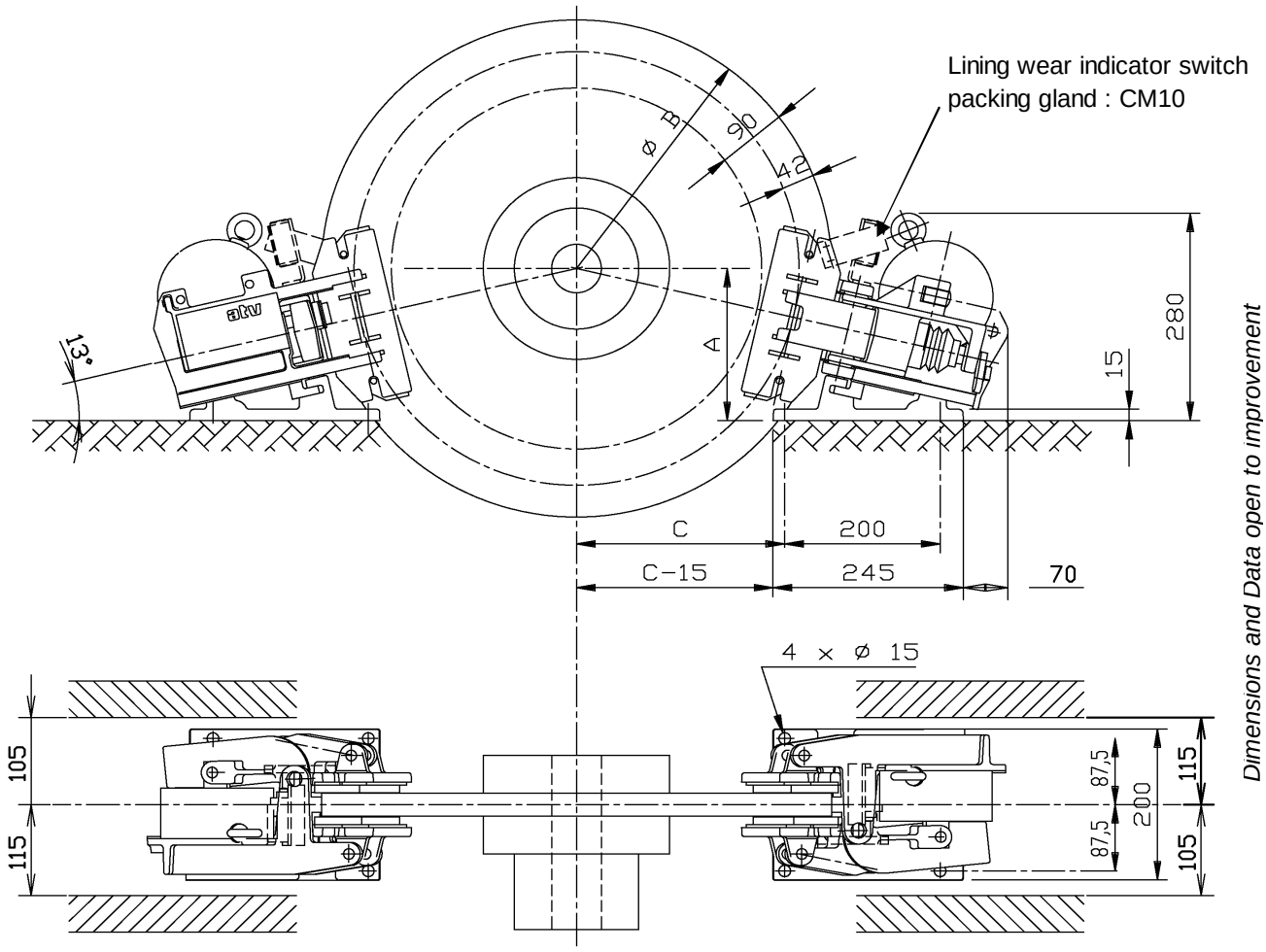
5 ADE

ELECTRIC DIRECT ACTION DISC BRAKE

Electric current applied



Dimensions and Data open to improvement

Without automatic lining wear adjustment (REF : 5 ADERM)
For power supplier, please contact ATV

Brake disc diameter ØB	mm	315	355	395	445	495	550	625
Braking torque	N.m	190	220	260	300	340	390	460
Braking force	N	1650	Adjustable from 50% to 120%					
Maxi Reaction force	N	1 Caliper : 1980 N - 2 Calipers : 890 N						

CALIPER								
Power consumption		W	100 Voltage 24 V DC					
Response time		s	0,2					
Weight		kg	34					
	A	mm	160	165	170	180	186	195	205
	C	mm	100	120	140	160	190	220	255

For non standard discs : please contact ATV

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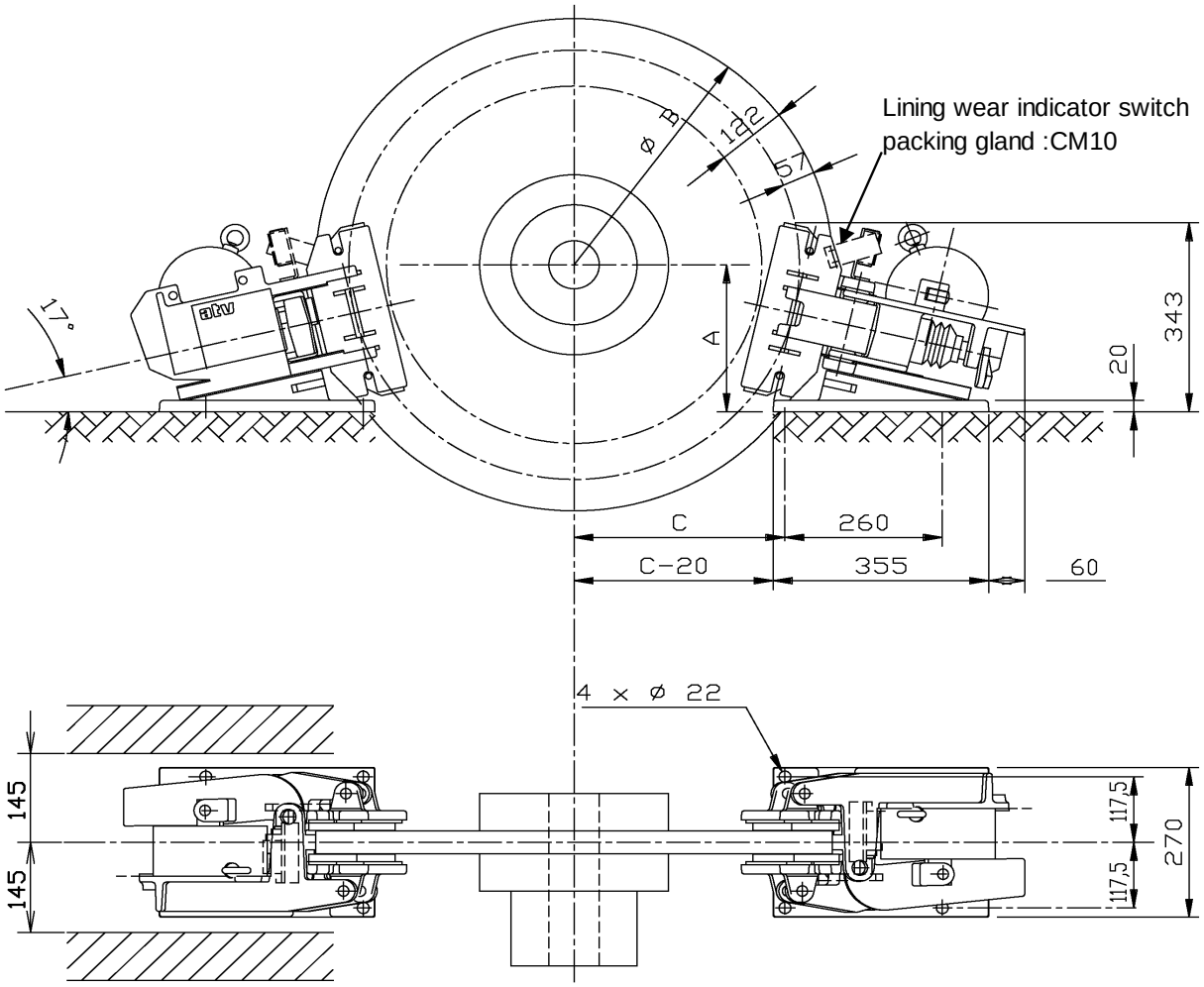
4 ADE

ELECTRIC DIRECT ACTION BRAKE
Electric current applied



Dimensions and Data open to improvement

Without automatic lining wear adjustment (REF : 4 ADERM)
With automatic lining wear adjustment (REF : 4 ADE)
For power supplier, please contact ATV

Brake disc diameter ØB	mm	445	495	550	625	705	795
Braking torque	N.m	950	1120	1270	1500	1750	2000
Braking force	N	5880	Adjustable from 50% to 120%				
Maxi Reaction force	N	1 Caliper : 7060 N - 2 Calipers : 4130 N					

CALIPER

Power consumption	W	115 W under voltage of 24 V (voltage from 0 to 24 V)					
Response time	s	0,2					
Weight	kg	77					
A	mm	225	232	240	250	260	275
C	mm	130	154	180	215	255	295

For non standard discs : please contact ATV