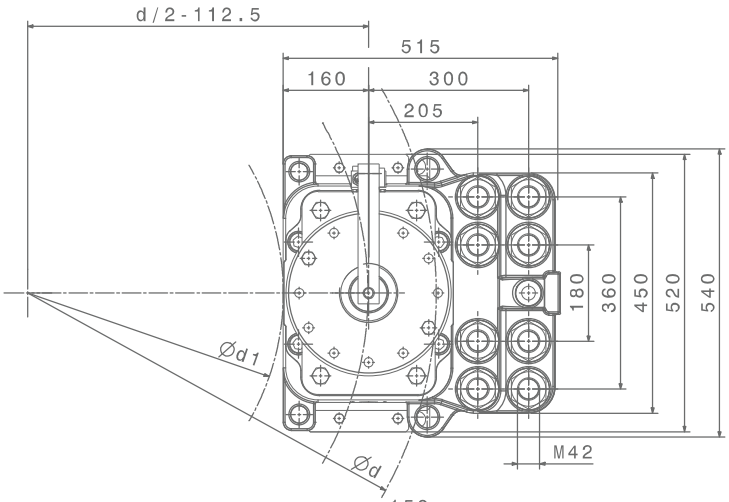
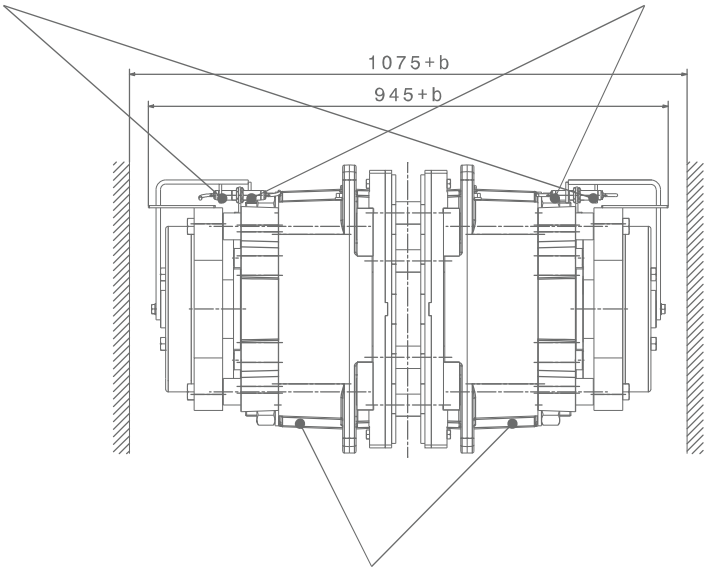
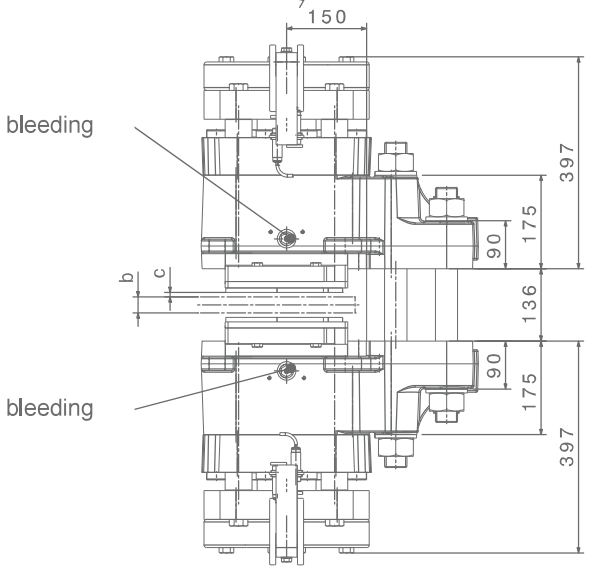
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection G ½"



manual release device is optionally available

SHI-Type			281	282
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	455	555
F_A	with airgap c = 2 mm	kN	425	510
F_A	with airgap c = 3 mm	kN	395	465
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-112,5)	
Hydraulic				
P_L	release pressure	bar	135	165
P_{max}	max. pressure	bar	175	205
V_{max}	volume at c= 2,0 mm	ltr	0,181	

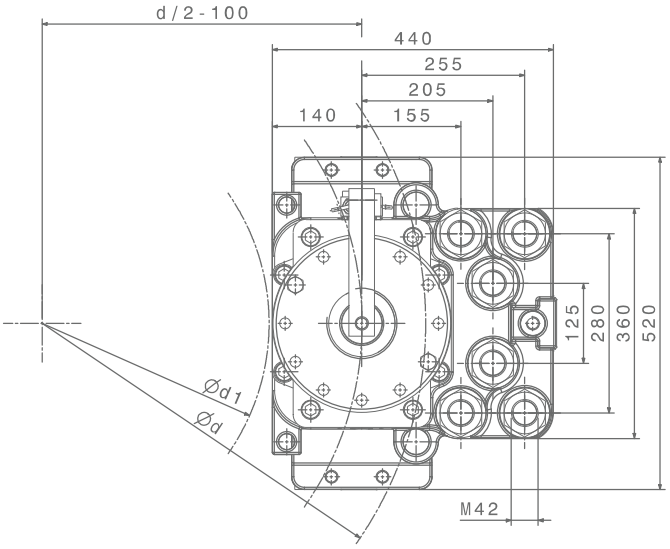
Mounting Studs			
n	quantity		8
	size, grade		M42, 12.9
M_A	fastening torque	Nm	6200 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 30
d	disc-Ø	mm	≥ 1600
d_1	max. hub or drum-Ø	mm	d-545mm
Dimensions			
L x W x H = 515 x (945+b) x 540 mm			
weight: 900 kgs			

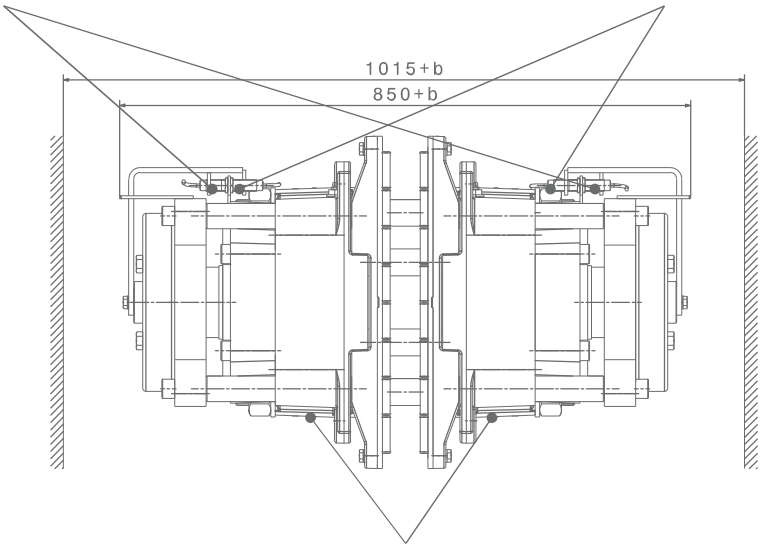
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

Alterations reserved
SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

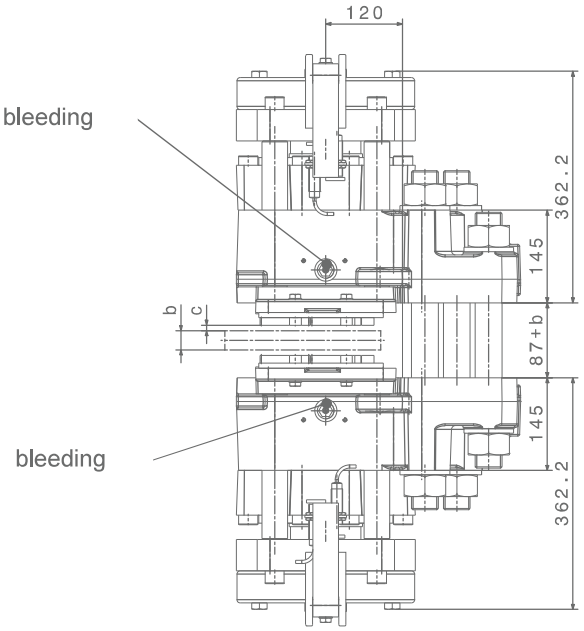
optional: proximity switch "brake open / closed"



optional: proximity switch "lining wear"



hydraulic connection G ½"



manual release device is optionally available

SHI-Type			251	252
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	335	440
F_A	with airgap c = 2 mm	kN	302	400
F_A	with airgap c = 3 mm	kN	270	360
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-100)	
Hydraulic				
P_L	release pressure	bar	105	140
P_{max}	max. pressure	bar	150	175
V_{max}	volume at c= 2,0 mm	ltr	0,142	

Mounting Studs			
n	quantity		6
	size, grade		M42, 12.9
M_A	fastening torque	Nm	6000 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 1200
d_1	max. hub or drum-Ø	mm	d-490mm
Dimensions			
L x W x H = 440 x (850+b) x 520 mm			
weight: 610 kgs			

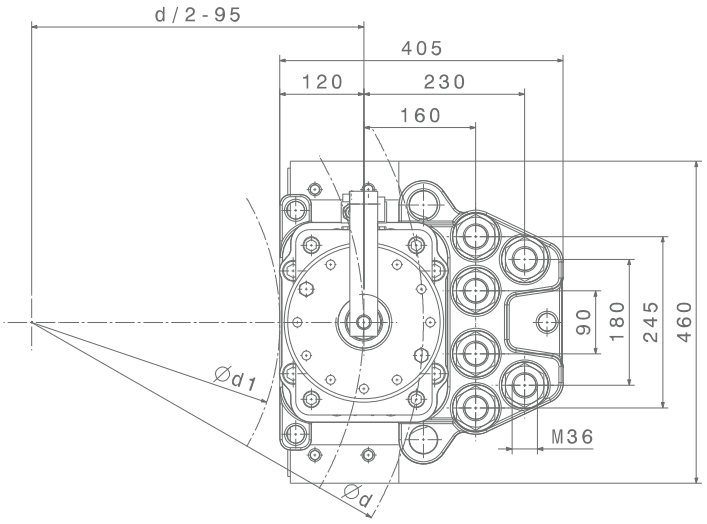
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

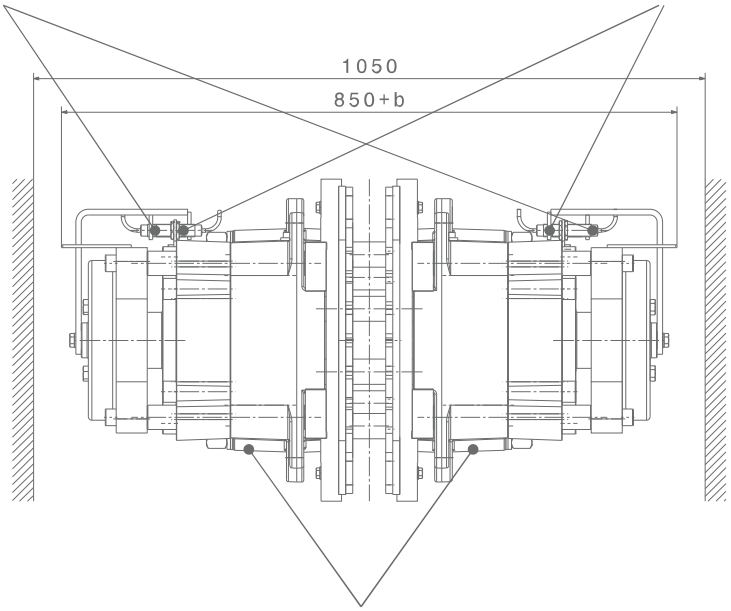
Alterations reserved

SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

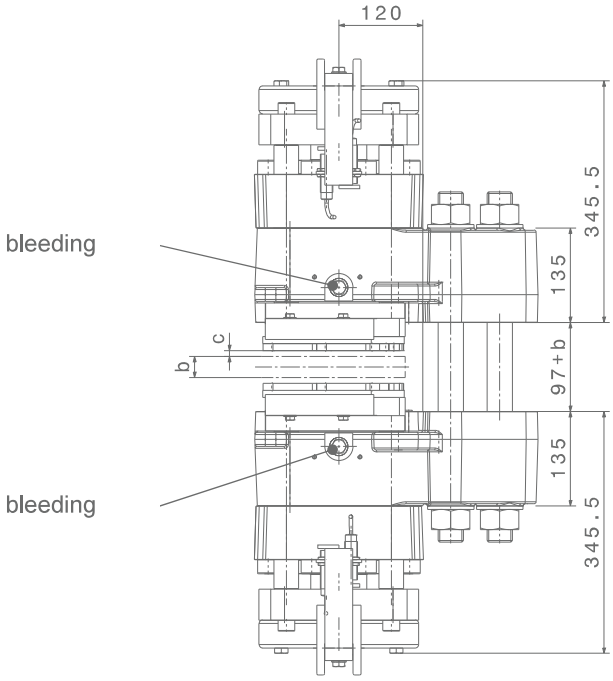
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection G ½"



manual release device is optionally available

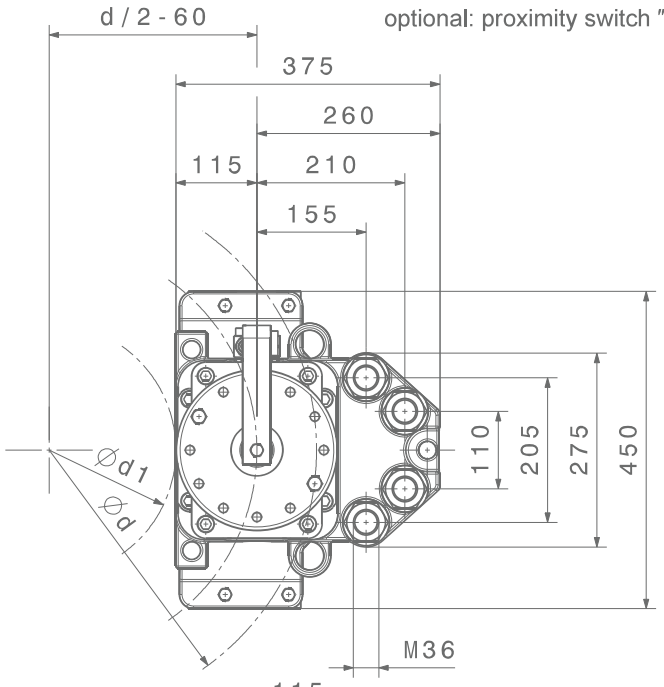
SHI-Type			231	232
Clamping Force F_A				
F_A	with airgap c = 2 mm	kN	240	300
F_A	with airgap c = 3 mm	kN	225	270
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-95)	
Hydraulic				
P_L	release pressure	bar	130	170
P_{max}	max. pressure	bar	175	205
V_{max}	volume at c= 2,0 mm	ltr	0,102	

Mounting Studs			
n	quantity		6
	size, grade		M36, 12.9
M_A	fastening torque	Nm	4000 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 1100
d_1	max. hub or drum-Ø	mm	d-440mm
Dimensions			
L x B x H = 405 x (850+b) x 460 mm			
weight: 415 kgs			

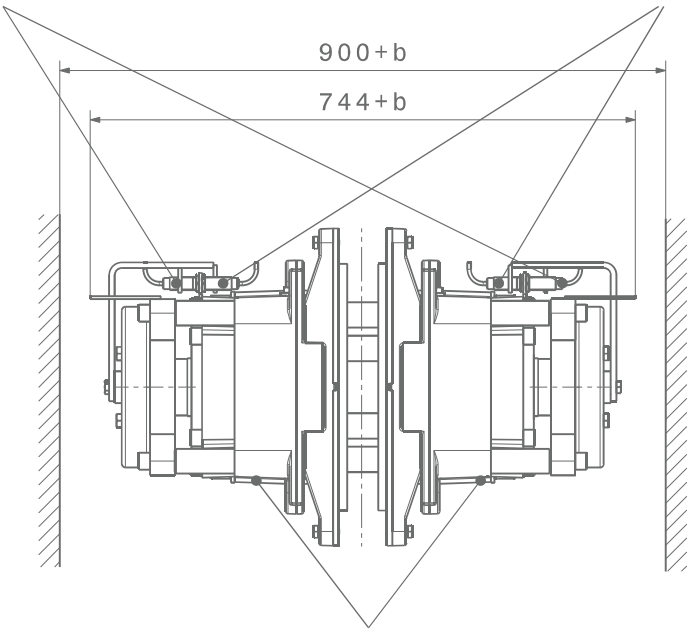
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

Alterations reserved
SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

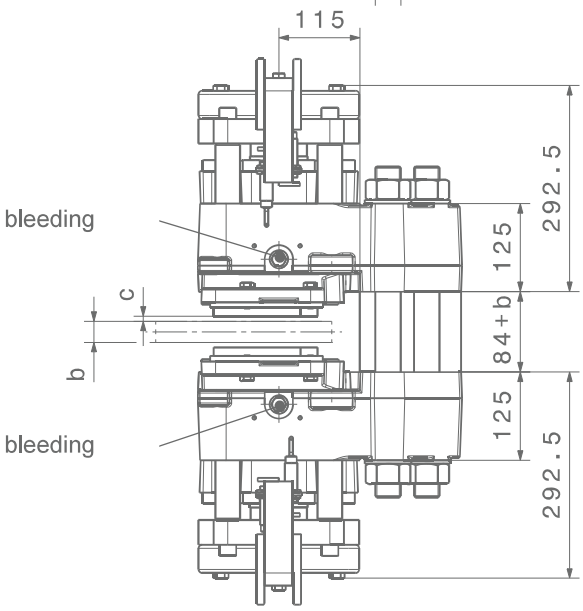


optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"



hydraulic connection G ½"



manual release device is optionally available

SHI-Type			201	202
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	170	240
F_A	with airgap c = 2 mm	kN	160	220
F_A	with airgap c = 3 mm	kN	150	200
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-60)	
Hydraulic				
P_L	release pressure	bar	115	160
P_{max}	max. pressure	bar	150	205
V_{max}	volume at c= 2,0 mm	ltr	0,071	

Mounting Studs			
n	quantity		4
	size, grade		M36, 12.9
M_A	fastening torque	Nm	4280 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 1100
d_1	max. hub or drum-Ø	mm	d-360mm
Dimensions			
L x B x H = 375 x (744+b) x 450 mm			
weight: 300 kgs			

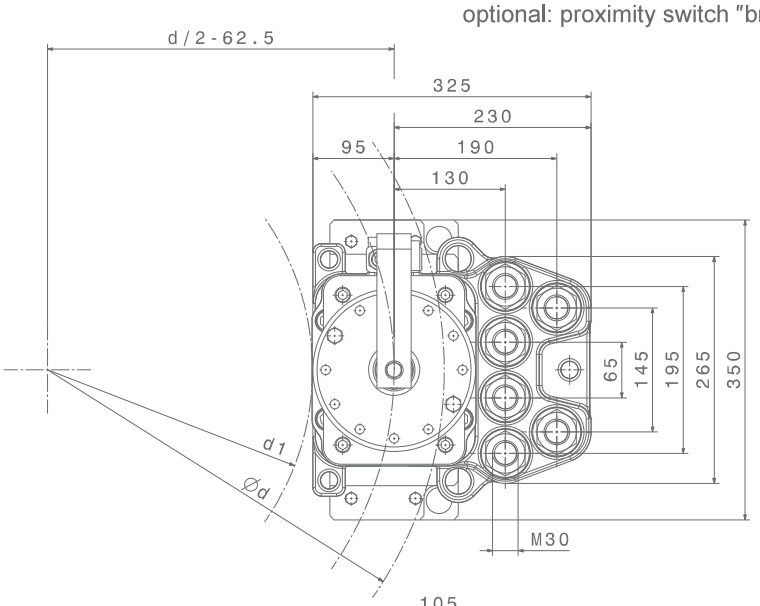
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

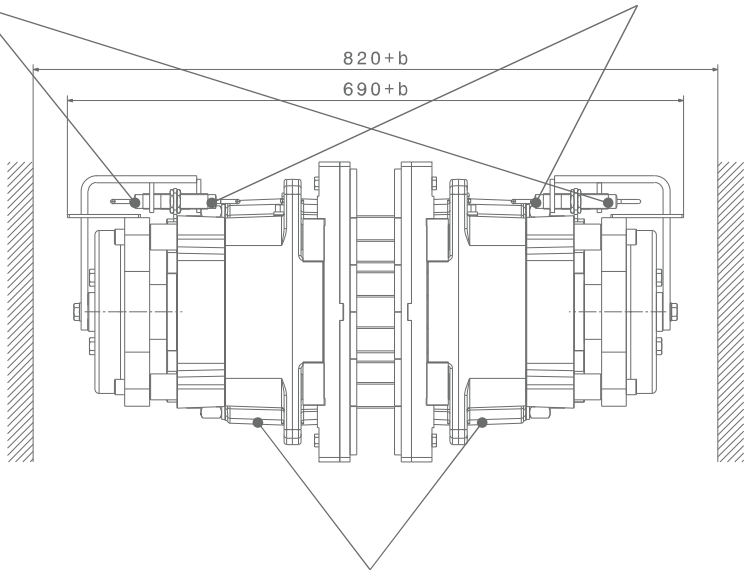
Alterations reserved

SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

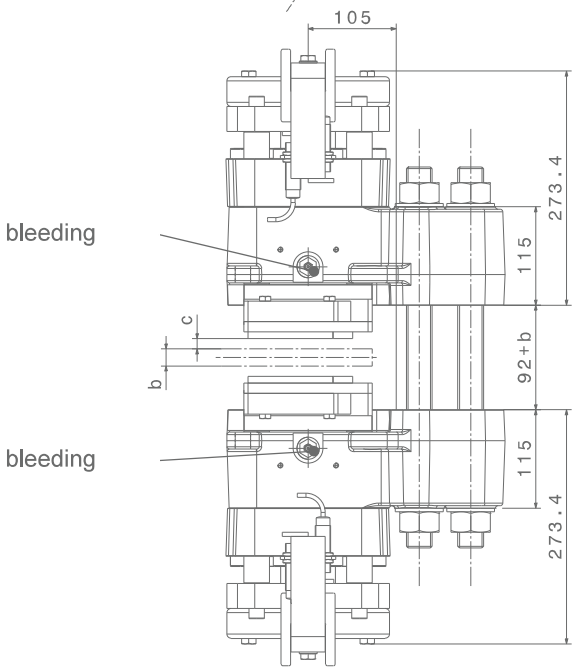
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection G ½"



manual release device is optionally available

SHI-Type			161	162
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	108	190
F_A	with airgap c = 2 mm	kN	98	160
F_A	with airgap c = 3 mm	kN	88	128
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-62,5)	
Hydraulic				
P_L	release pressure	bar	90	170
P_{max}	max. pressure	bar	150	205
V_{max}	volume at c= 2,0 mm	ltr	0,062	

Mounting Studs			
n	quantity		6
	size, grade		M30, 12.9
M_A	fastening torque	Nm	2200 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

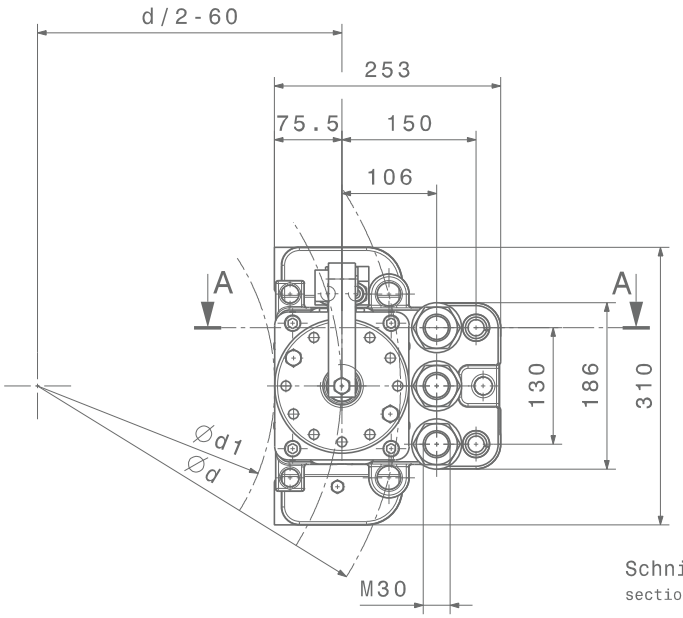
Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 900
d_1	max. hub or drum-Ø	mm	d-325mm
Dimensions			
L x B x H = 325 x (690+b) x 350 mm			
weight: 230 kgs			

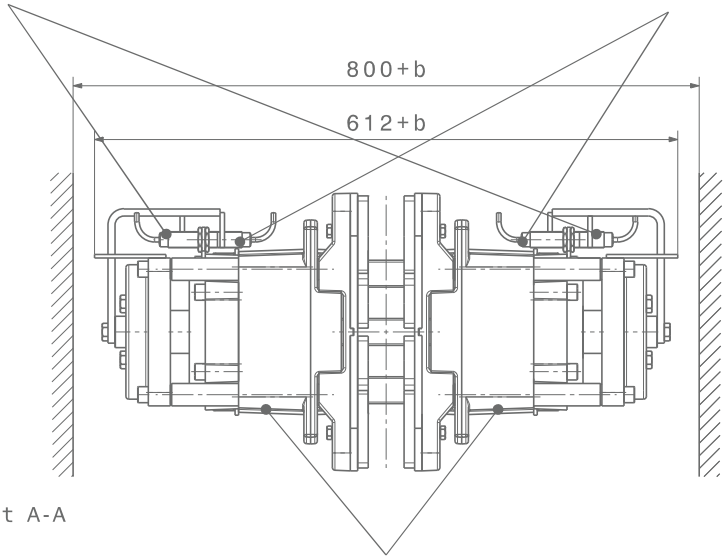
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

Alterations reserved
SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

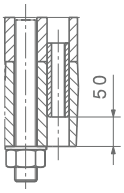
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"



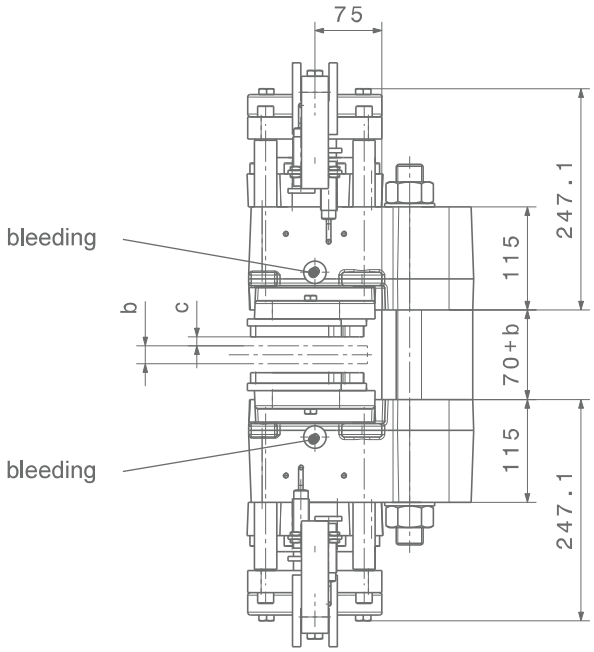


Schnitt A-A
section



hydraulic connection M16x1.5

manual release device is optionally available



SHI-Type			106	107
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	110	140
F_A	with airgap c = 2 mm	kN	98	115
F_A	with airgap c = 3 mm	kN	88	94
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-60)	
Hydraulic				
P_L	release pressure	bar	145	175
P_{max}	max. pressure	bar	175	205
V_{max}	volume at c= 2,0 mm	ltr	0,046	
Brake Discs				
b	disc thickness	mm	≥ 20	
d	disc-Ø	mm	≥ 650	
d_1	max. hub or drum-Ø	mm	d-280mm	
Dimensions				
L x W x H = 253 x (612+b) x 310 mm				
weight: 130 kgs				

Mounting Studs			
n	quantity, size, grade		3x M30, 12.9 + 4x DIN1481 Ø30x100
M_A	fastening torque	Nm	2400 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

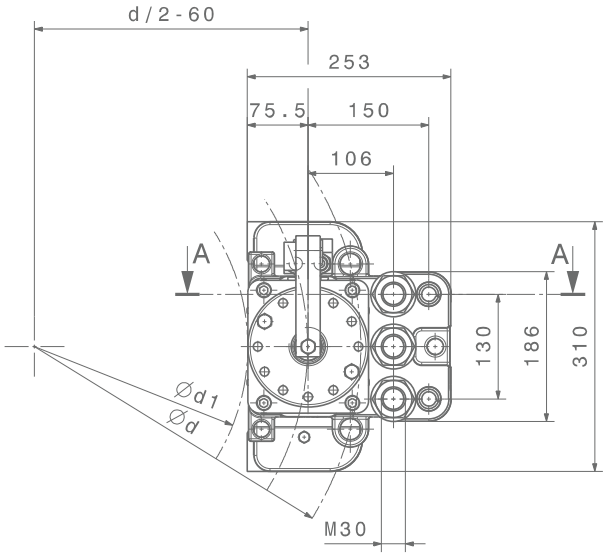
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

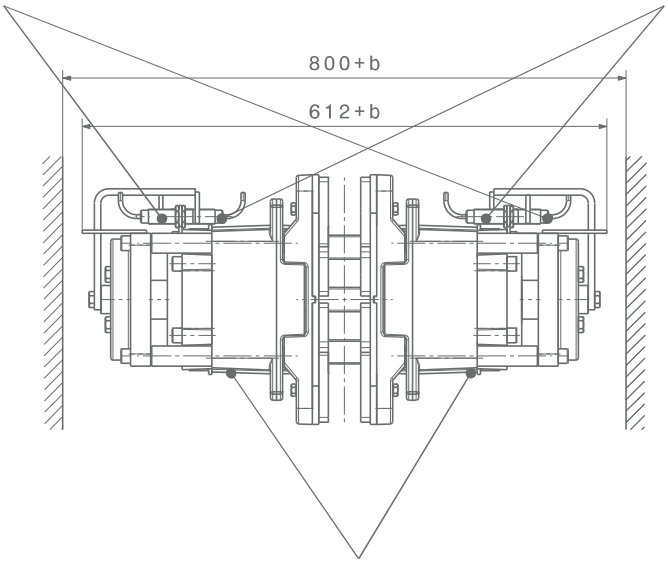
Alterations reserved

SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

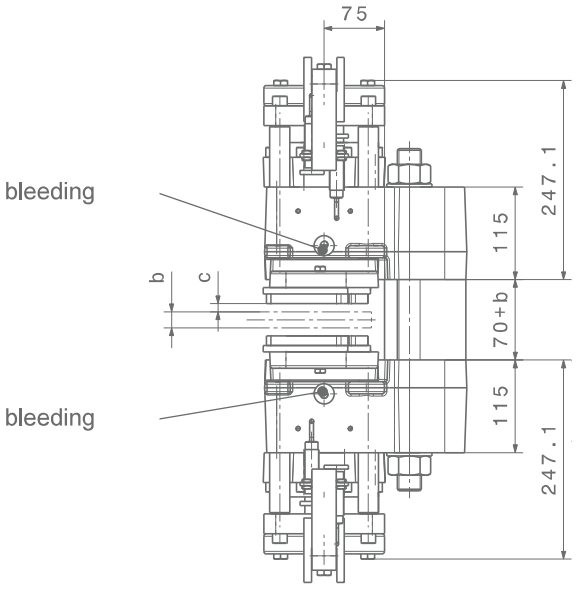
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection M16x1.5



manual release device is optionally available

SHI-Type			104	105
Clamping Force F_A				
F_A	with airgap c = 1 mm	kN	74,1	83,2
F_A	with airgap c = 2 mm	kN	68,7	77,0
F_A	with airgap c = 3 mm	kN	62,7	74,4
Torque Calculation				
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-60)	
Hydraulic				
P_L	release pressure	bar	80	95
P_{max}	max. pressure	bar	110	150
V_{max}	volume at c= 2,0 mm	ltr	0,046	

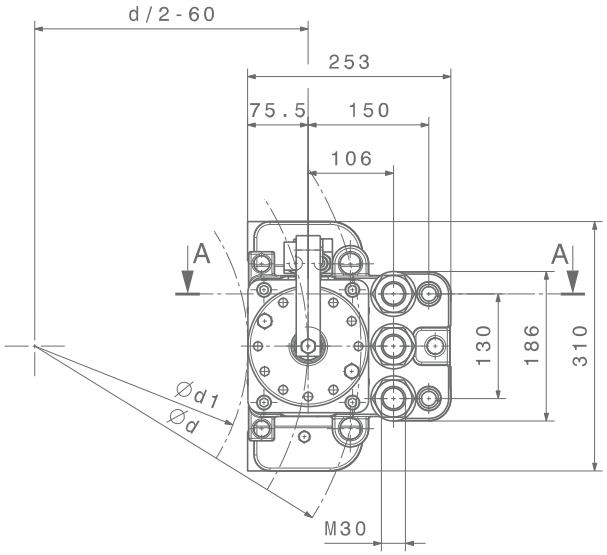
Mounting Studs			
n	quantity		3
	size, grade		M30, 12.9
M_A	fastening torque	Nm	2400 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

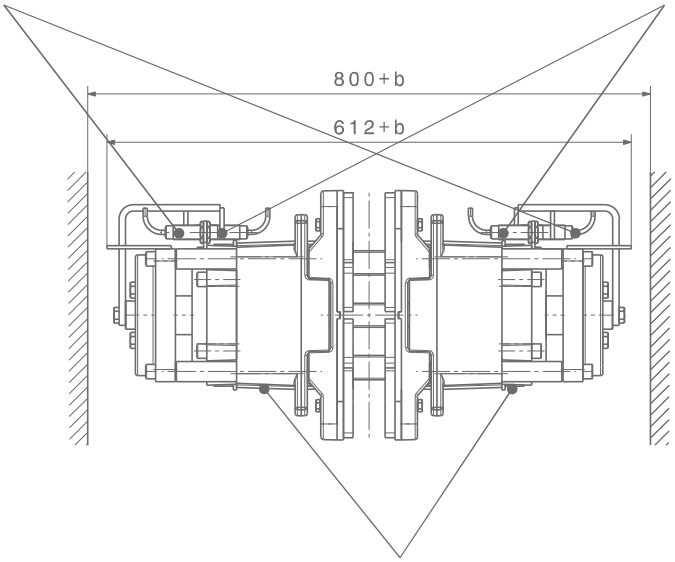
Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 650
d_1	max. hub or drum-Ø	mm	d-280mm
Dimensions			
L x B x H = 253 x (612+b) x 310 mm			
weight: 130 kgs			

**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

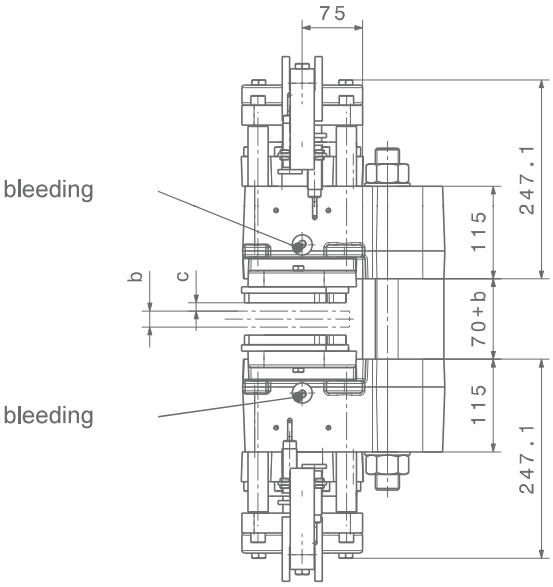
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection M16x1.5



manual release device is optionally available

SHI-Type			103
Clamping Force F_A			
F_A	with airgap c = 1 mm	kN	55,4
F_A	with airgap c = 2 mm	kN	52,2
F_A	with airgap c = 3 mm	kN	48,8
Torque Calculation			
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-60)
Hydraulic			
P_L	release pressure	bar	60
P_{max}	max. pressure	bar	110
V_{max}	volume at c= 2,0 mm	ltr	0,046

Mounting Studs			
n	quantity		3
	size, grade		M30, 8.8
M_A	fastening torque	Nm	1450 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 650
d_1	max. hub or drum-Ø	mm	d-280mm
Dimensions			
L x B x H = 253 x (612+b) x 310 mm			
weight: 130 kgs			

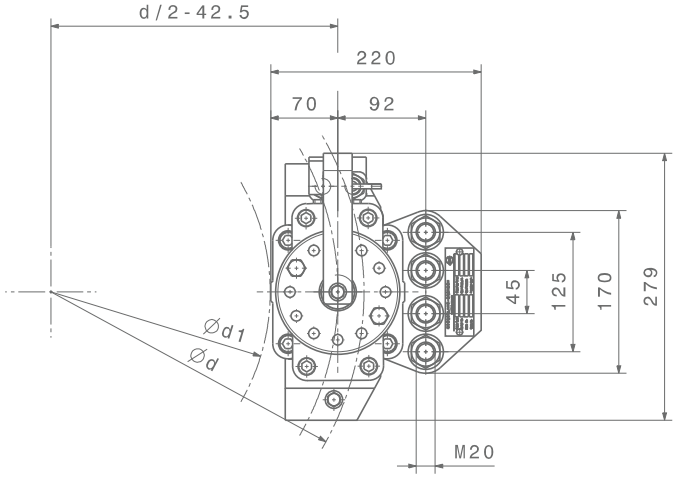
**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

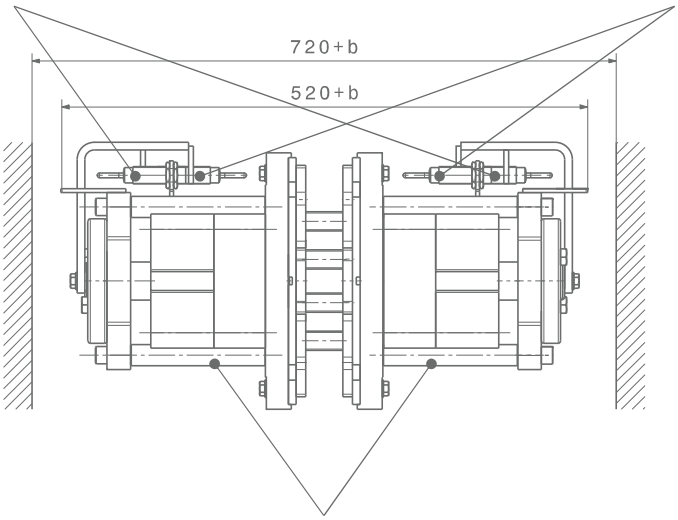
Alterations reserved

SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de

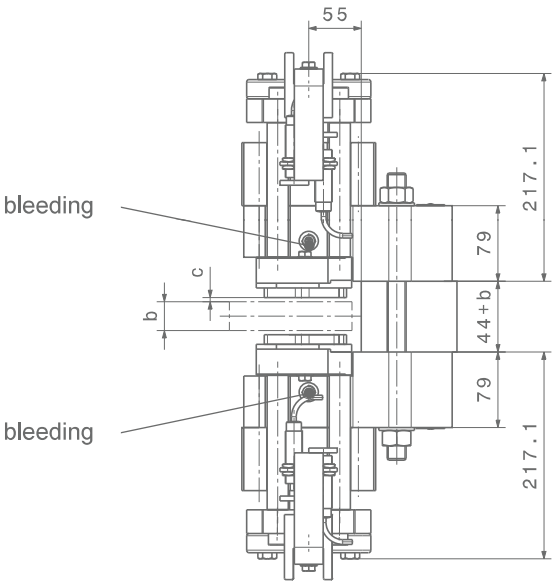
optional: proximity switch "brake open / closed"

optional: proximity switch "lining wear"





hydraulic connection M14x1.5



manual release device is optionally available

SHI-Type 75-			1	2	3	4	5	6
Clamping Force F_A								
F_A	with airgap c = 1 mm	kN	18,3	22,4	25,4	30,6	44,5	49,8
F_A	with airgap c = 2 mm	kN	17,9	20,7	23,9	27,6	41,0	47,3
F_A	with airgap c = 3 mm	kN	17,6	19,0	22,4	24,6	37,0	44,4
Torque Calculation								
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-42,5)					
Hydraulic								
P_L	release pressure	bar	45	55	65	80	120	135
P_{max}	max. pressure	bar	85	85	110	110	150	175
V_{max}	volume at c= 2,0 mm	ltr	0,032					

Mounting Studs			
n	quantity		4
	size, grade		M20, 12.9
M_A	fastening torque	Nm	690 at μ=0,14
Linings			
	material		sinter
	friction coefficient*		0,4

Brake Discs			
b	disc thickness	mm	≥ 20
d	disc-Ø	mm	≥ 400
d_1	max. hub / drum-Ø	mm	d-230mm
Dimensions			
L x W x H = 220 x (520+b) x 279 mm			
weight: 80 kgs			

**average friction coefficient with standard material combination and a circumferential speed up to 15 m/s*

Alterations reserved

SIBRE - Siegerland Bremsen GmbH
Auf der Stücke 1-5 · D-35708 Haiger · phone +49 2773 9400-0 · fax +49 2773 9400-10 · mail info@sibre.de · home www.sibre.de