

Brake Caliper DV 020 PFK

pneumatically activated – spring released

Morskate®



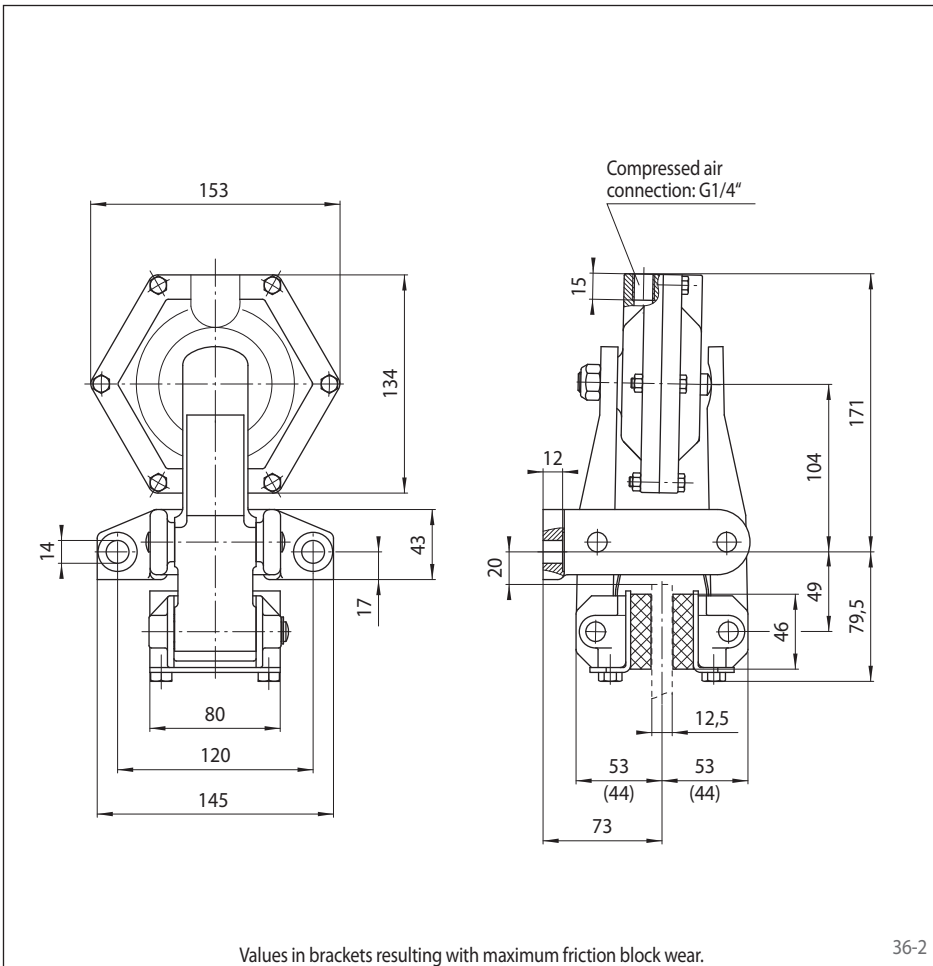
Features

Features	Code
Brake Caliper	D
Mounting to the machine parallel to the brake disc	V
Frame size 020	020
Pneumatically activated	P
Spring released	F
No adjustment to counter friction block wear	K
Thruster 630	630
Thruster mounted in central position	M
Thickness of brake disc 12,5 mm	12

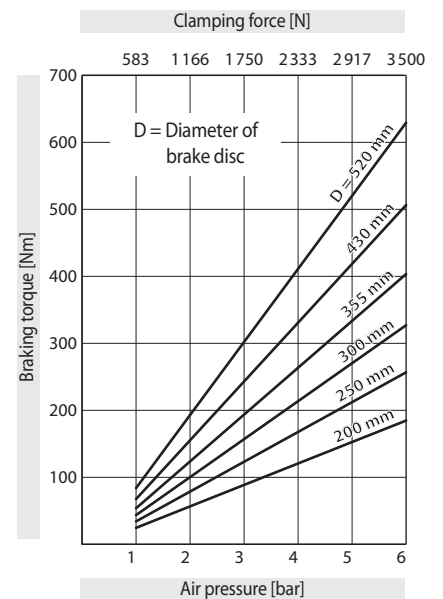
Example for ordering

Brake Caliper DV 020 PFK, thruster 630, thruster mounted in central position, thickness of brake disc 12,5 mm:

DV 020 PFK - 630 M - 12



Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar

Air volume: max. 120 cm³ per activation

Weight: 4,8 kg

Brake Caliper DH 020 PFK

pneumatically activated – spring released



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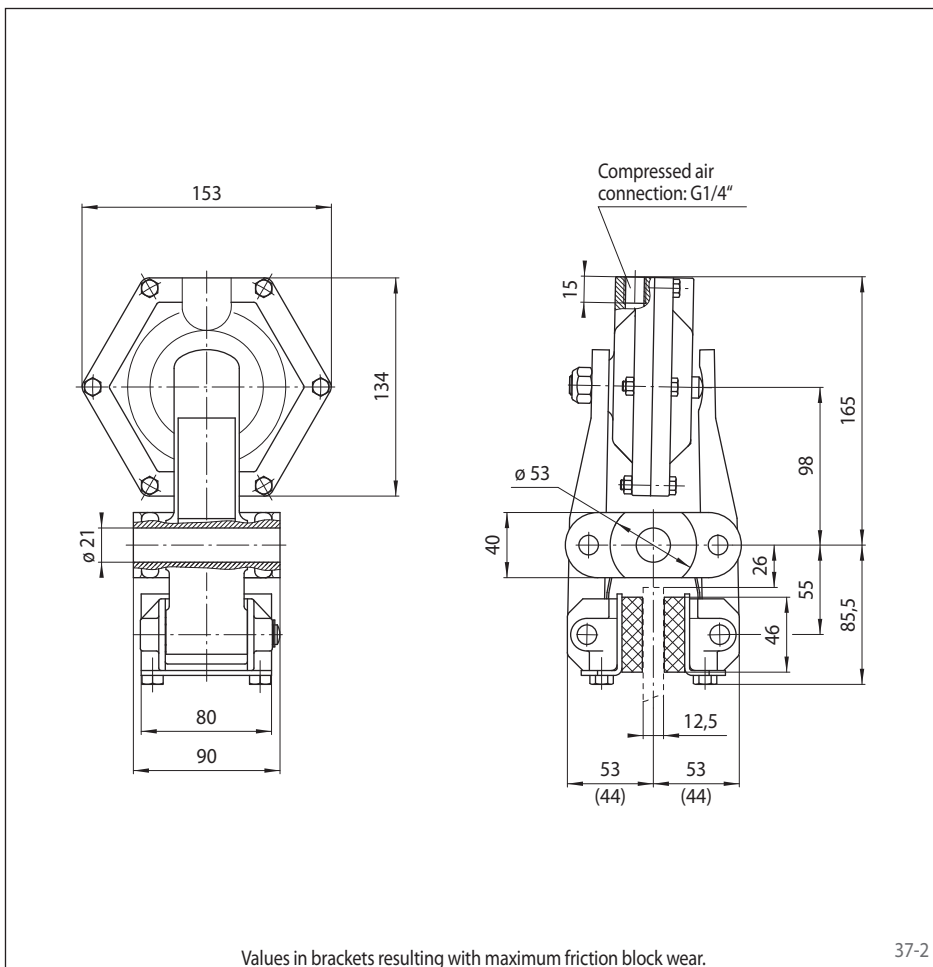
Features

Features	Code
Brake Caliper	D
Mounting to the machine at right angles to the brake disc	H
Frame size 020	020
Pneumatically activated	P
Spring released	F
No adjustment to counter friction block wear	K
Thruster 630	630
Thruster mounted in central position	M
Thickness of brake disc 12,5 mm	12

Example for ordering

Brake Caliper DH 020 PFK, thruster 630, thruster mounted in central position, thickness of brake disc 12,5 mm:

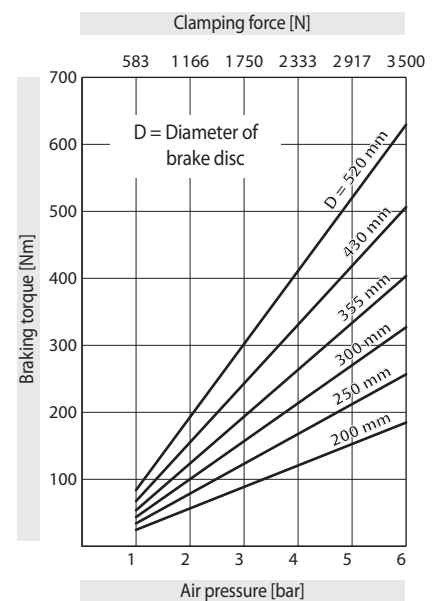
DH 020 PFK - 630 M - 12



Values in brackets resulting with maximum friction block wear.

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Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar

Air volume: max. 120 cm³ per activation

Weight: 4,8 kg

Brake Caliper DV 030 PFK

pneumatically activated – spring released



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Features

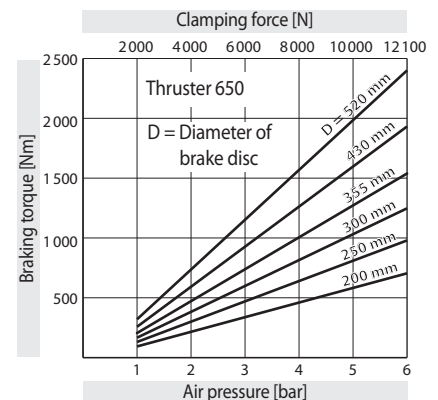
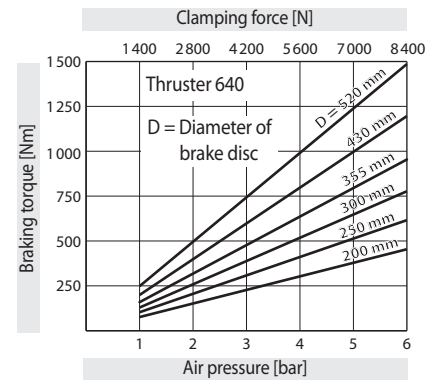
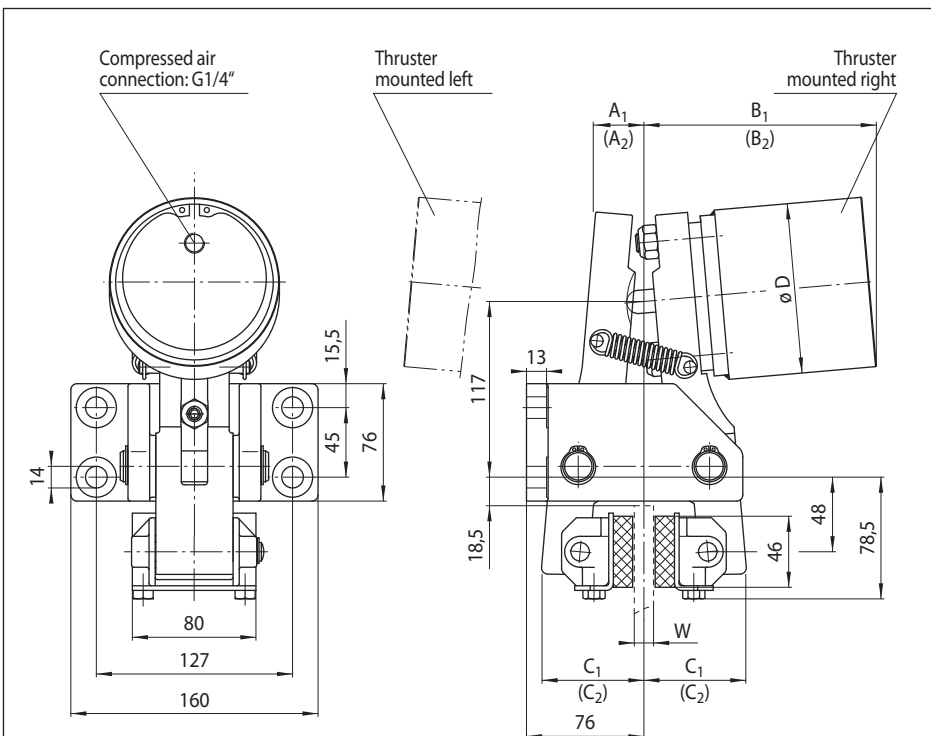
Features	Code
Brake Caliper	D
Mounting to the machine parallel to the brake disc	V
Frame size 030	030
Pneumatically activated	P
Spring released	F
No adjustment to counter friction block wear	K
Thrusters 640 or 650 are available for selection	640 650
Thruster mounted right or left available	R L
Thickness of brake disc 12,5 mm or 25 mm	12 25

Example for ordering

Brake Caliper DV 030 PFK, thruster 640, thruster mounted right, thickness of brake disc 12,5 mm:

DV 030 PFK - 640 R - 12

Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar
 Air volume per activation: max. 313 cm³ (Thruster 640) / max. 490 cm³ (Thruster 650)
 Weight: 11,8 kg (Thruster 640) / 12,7 kg (Thruster 650)

Thruster	D	Thickness of brake disc W	A ₁	(A ₂)	B ₁	(B ₂)	C ₁	(C ₂)
	mm	mm	mm	mm	mm	mm	mm	mm
640	110	12,5	33	(60)	153	(173)	67	(58)
650	135	25	40	(67)	160	(180)	74	(65)

Values in brackets resulting with maximum friction block wear.

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Brake Caliper DV 035 PFM

pneumatically activated – spring released



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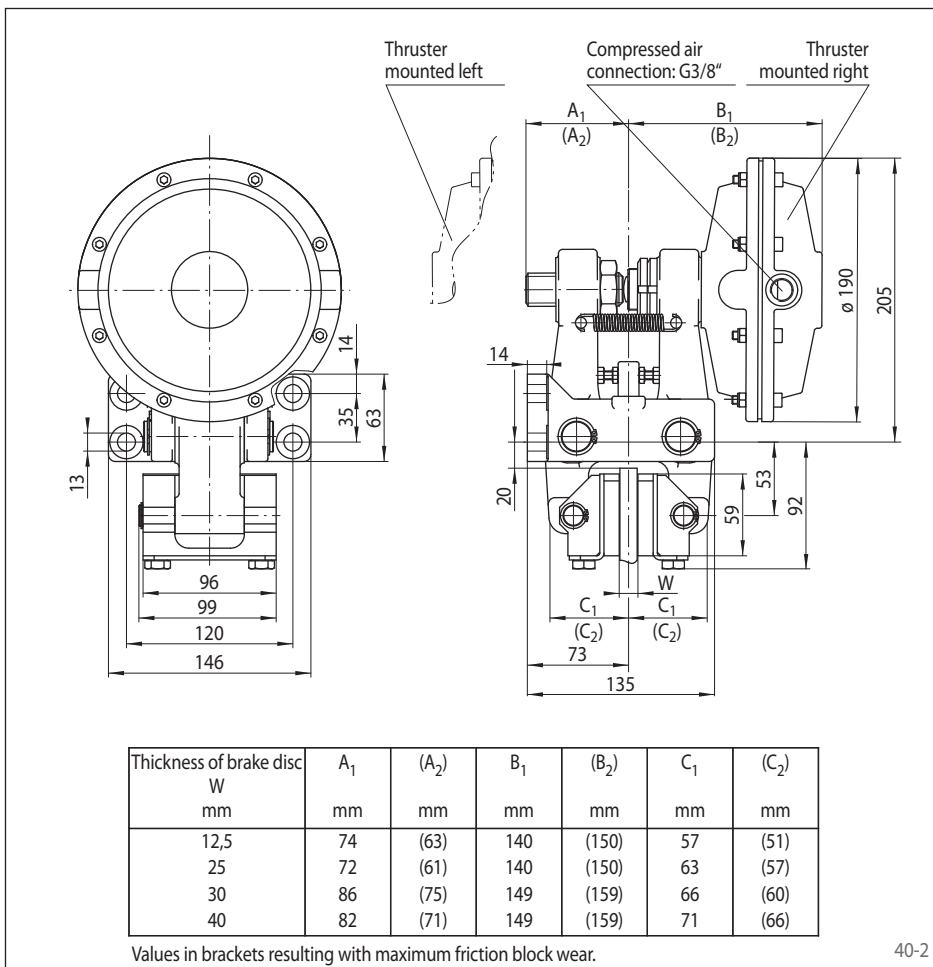
Features

Features	Code
Brake Caliper	D
Mounting to the machine parallel to the brake disc	V
Frame size 035	035
Pneumatically activated	P
Spring released	F
Manual adjustment to counter friction block wear	M
Thruster 660	660
Thruster mounted right or left available	R L
Thickness of brake disc 12,5 mm, 25 mm, 30 mm or 40 mm	12 25 30 40

Example for ordering

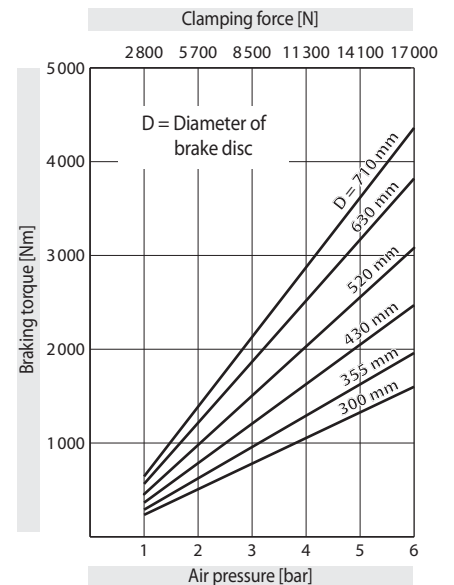
Brake Caliper DV 035 PFM, thruster 660, thruster mounted right, thickness of brake disc 12,5 mm:

DV 035 PFM - 660 R - 12



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Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

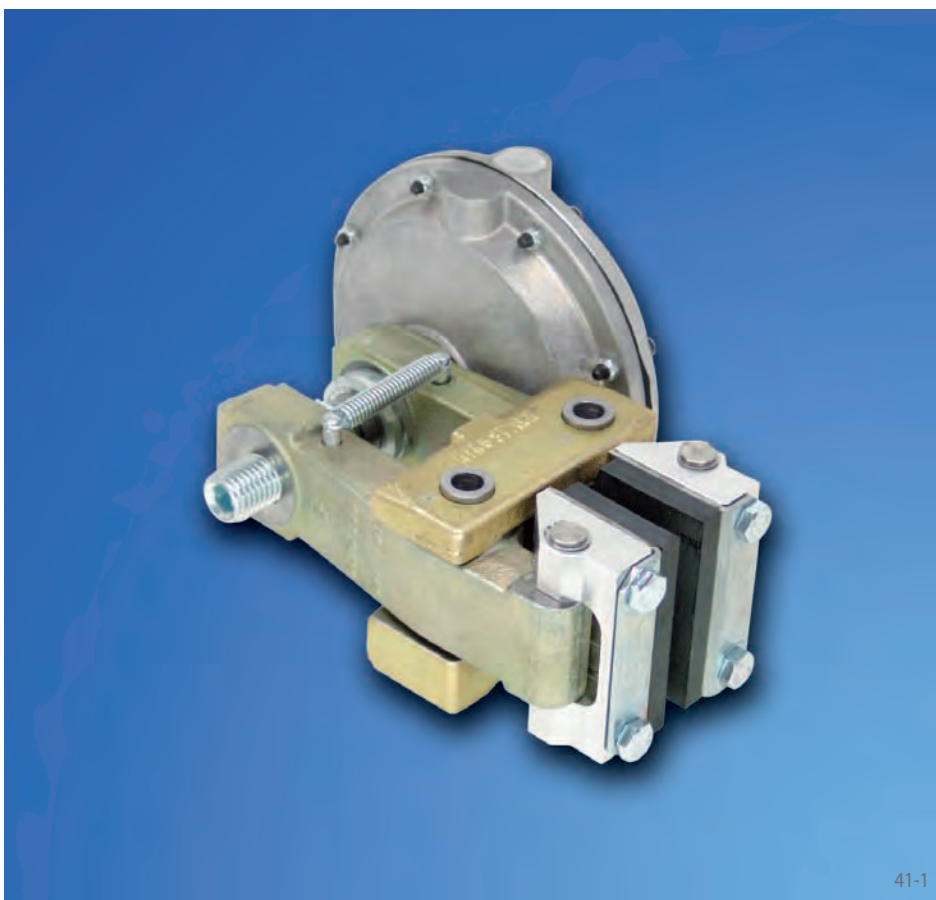
Air pressure: max. 6 bar

Air volume: max. 280 cm³ per activation

Weight: 11 kg

Brake Caliper DH 035 PFM

pneumatically activated – spring released



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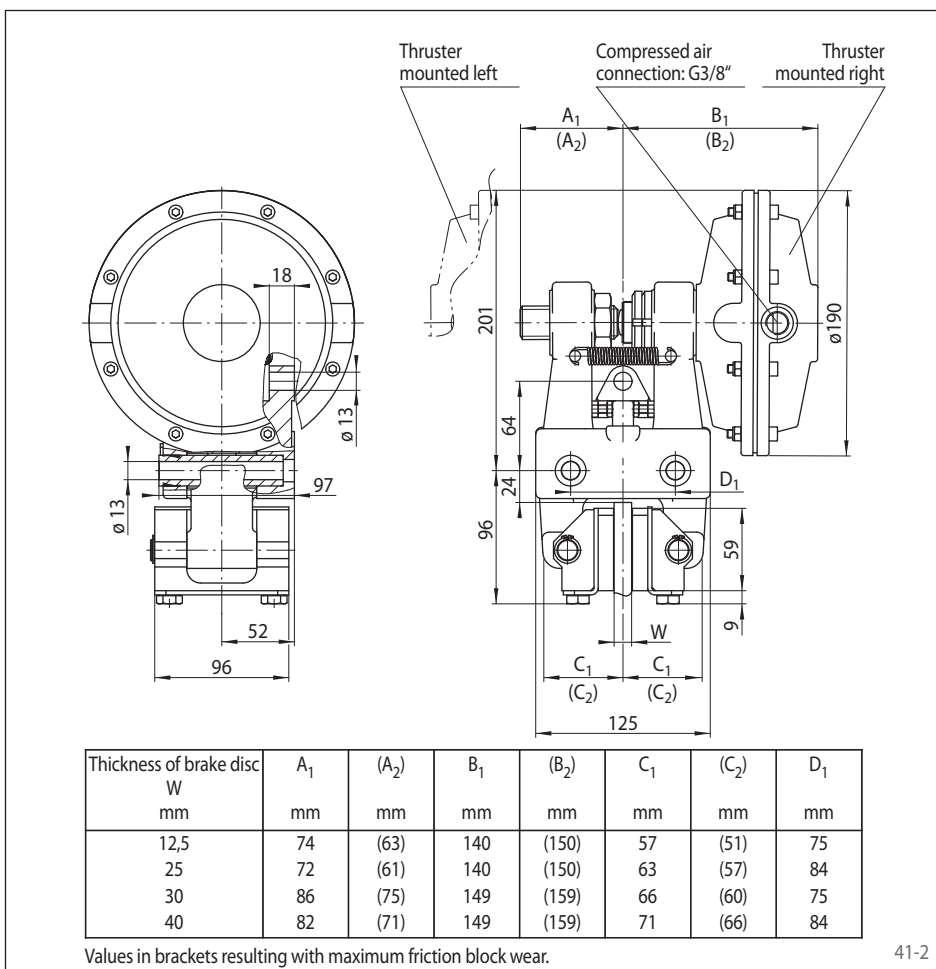
Features

Features	Code
Brake Caliper	D
Mounting to the machine at right angles to the brake disc	H
Frame size 035	035
Pneumatically activated	P
Spring released	F
Manual adjustment to counter friction block wear	M
Thruster 660	660
Thruster mounted right or left available	R L
Thickness of brake disc 12,5 mm, 25 mm, 30 mm or 40 mm	12 25 30 40

Example for ordering

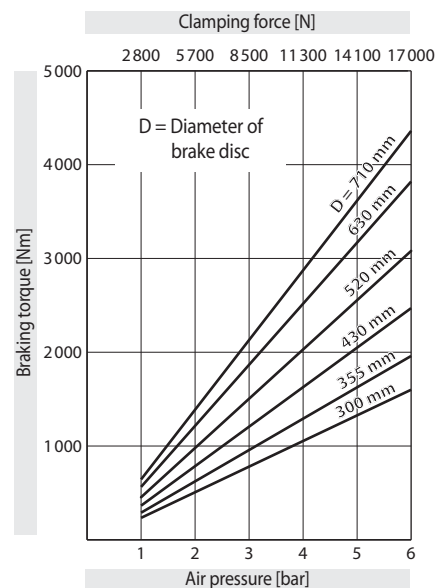
Brake Caliper DH 035 PFM, thruster 660, thruster mounted right, thickness of brake disc 12,5 mm:

DH 035 PFM - 660 R - 12



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Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar

Air volume: max. 280 cm³ per activation

Weight: 11 kg

Brake Caliper DU 060 PFM

pneumatically activated – spring released



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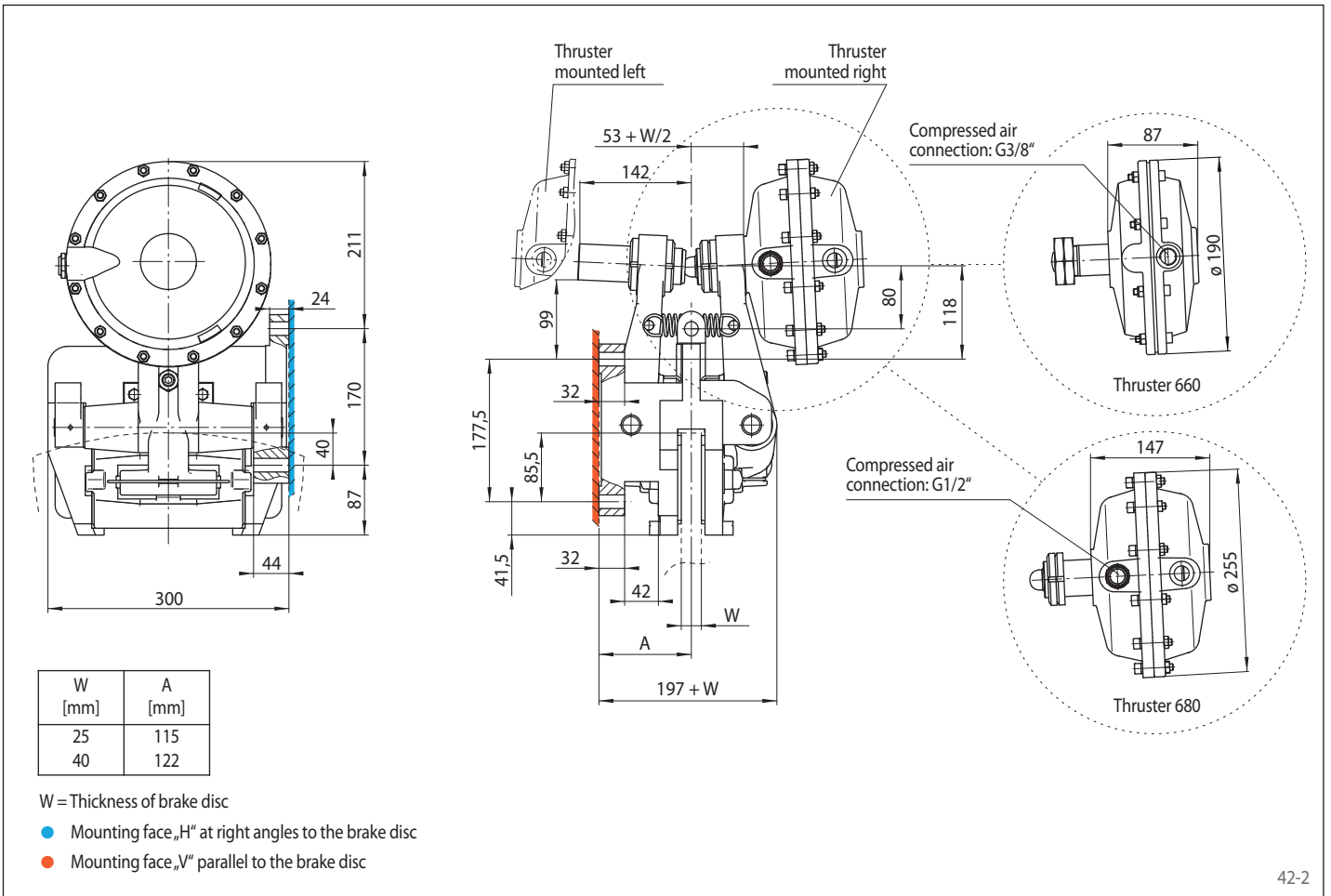
Features

Features	Code
Brake Caliper	D
Mounting to the machine, can be made either parallel or at the right angles to the brake disc	U
Frame size 060	060
Pneumatically activated	P
Spring released	F
Manual adjustment to counter friction block wear	M
Thrusters 660 or 680 are available for selection	660 680
Thruster mounted right or left available	R L
For brake discs with thicknesses W of 25 mm or 40 mm	25 40

Example for ordering

Brake Caliper DU 060 PFM, thruster 680, thruster mounted right, thickness of brake disc 25 mm:

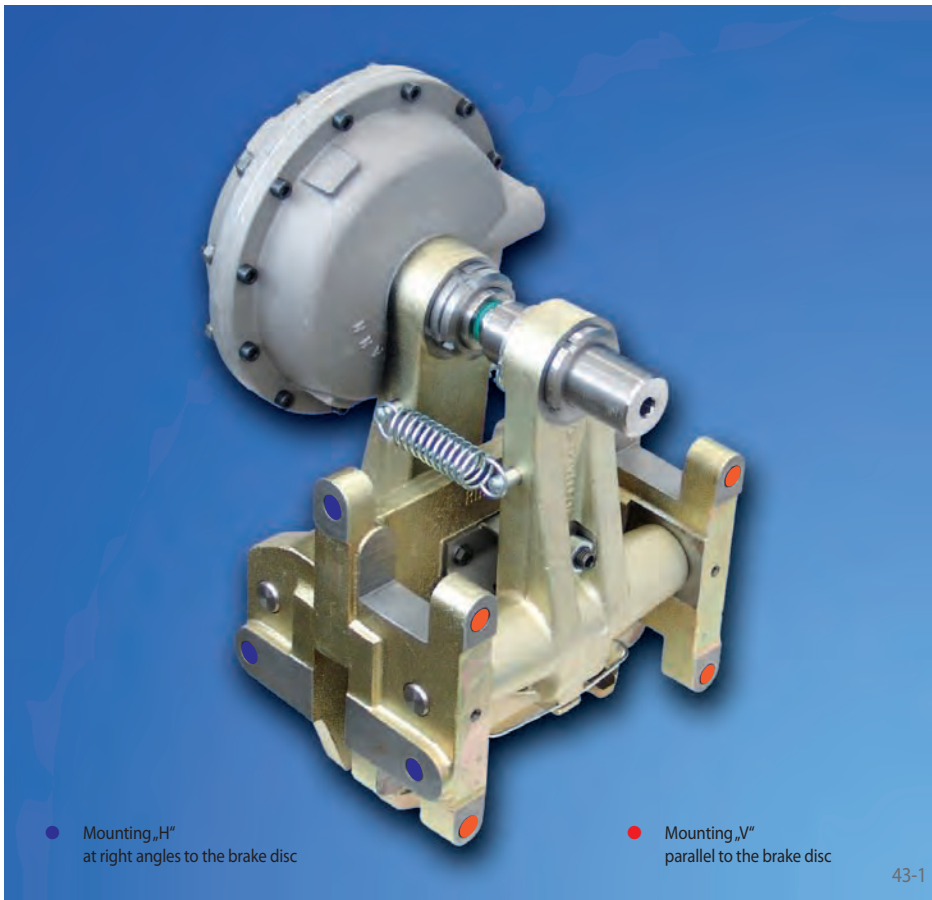
DU 060 PFM - 680 R - 25



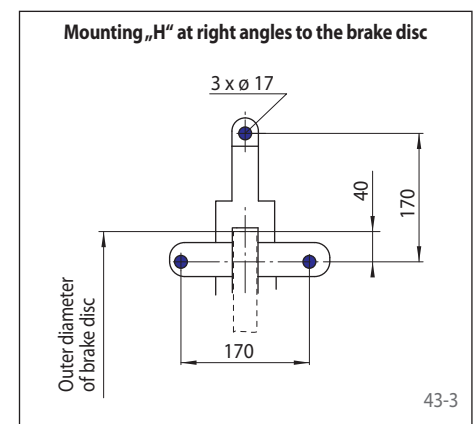
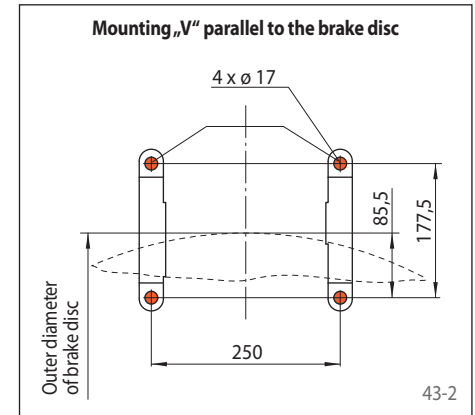
42-2

Brake Caliper DU 060 PFM

pneumatically activated – spring released

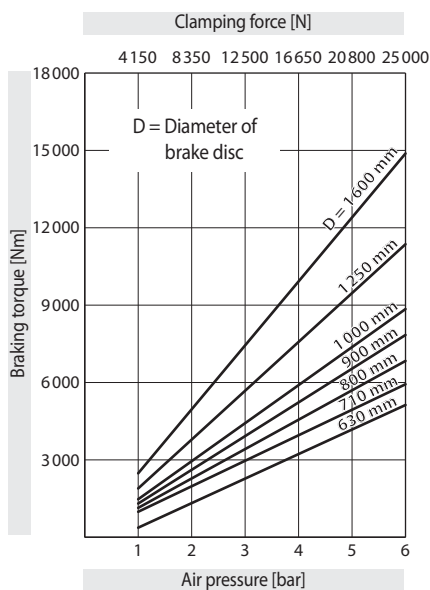


Frame Design



Technical Data

Brake Caliper DU 060 PFM - 660



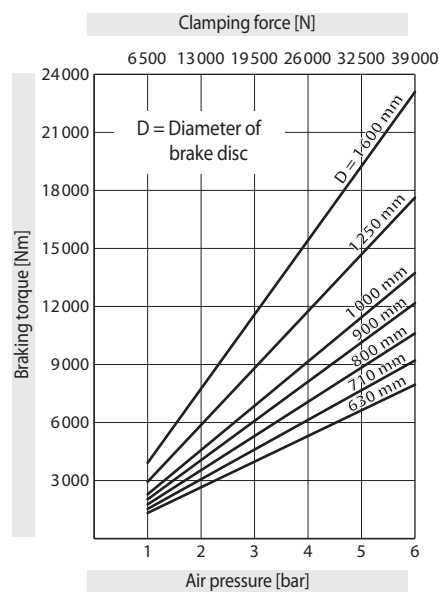
The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar

Air volume: max. 280 cm³ per activation

Weight: 54 kg

Brake Caliper DU 060 PFM - 680



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Air pressure: max. 6 bar

Air volume: max. 2000 cm³ per activation

Weight: 56 kg

Brake Caliper DH 010 MSM

manually activated – manually released
with hand wheel



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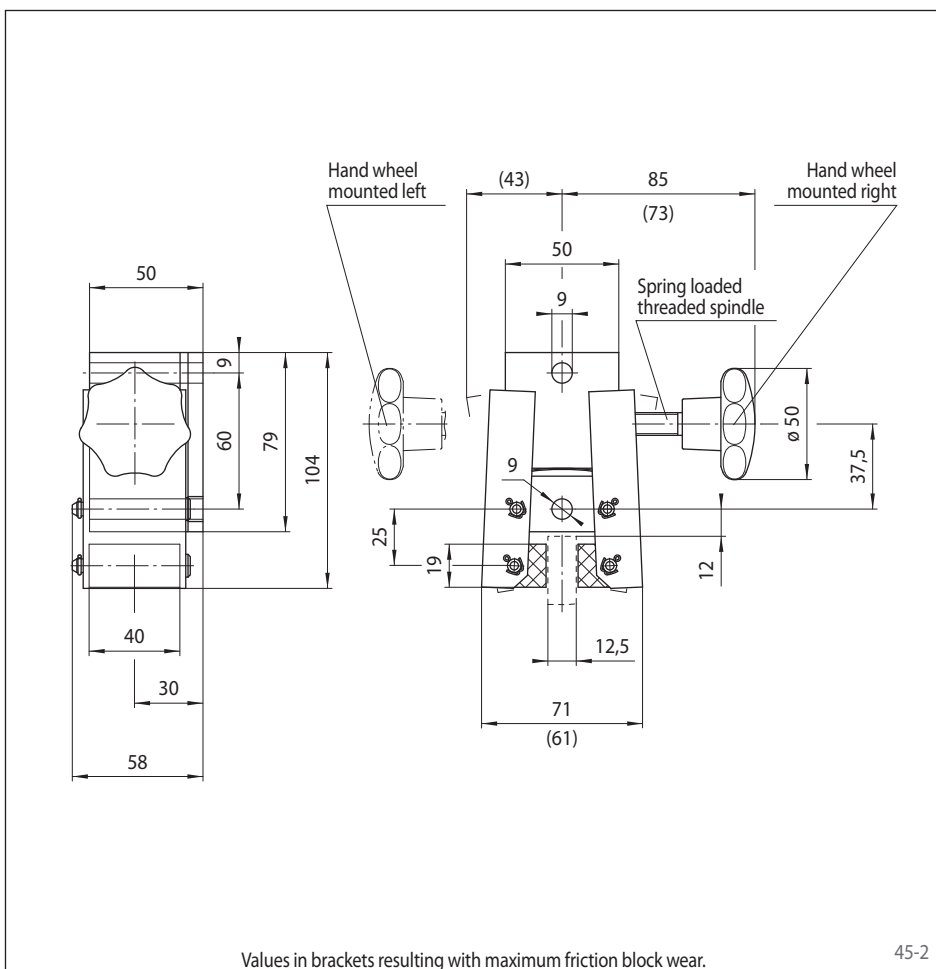
Features

Features	Code
Brake Caliper	D
Mounting to the machine at right angles to the brake disc	H
Frame size 010	010
Manually activated	M
Manually released	S
Manual adjustment to counter friction block wear	M
Hand wheel 710	710
Hand wheel mounted right or left available	R L
Thickness of brake disc 12,5 mm	12

Example for ordering

Brake Caliper DH 010 MSM, hand wheel 710, hand wheel mounted right, thickness of brake disc 12,5 mm:

DH 010 MSM - 710 R - 12



Values in brackets resulting with maximum friction block wear.

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Technical Data

Brake Caliper DH 010 MSM with hand wheel 710	
Brake disc diameter	Braking torque
[mm]	[Nm]
125	20
150	30
200	40
250	50
300	60
355	75
Clamping force	576 N
Weight	1,1 kg

The braking torques shown in the table are based on a theoretical friction coefficient of 0,4. The maximum braking torques are based on an operating torque of 0,8 Nm at the hand wheel.

A spring loaded threaded spindle compensates for wear of the friction block during the braking action.

Brake Caliper DV 020 MSM

manually activated – manually released
with hand wheel



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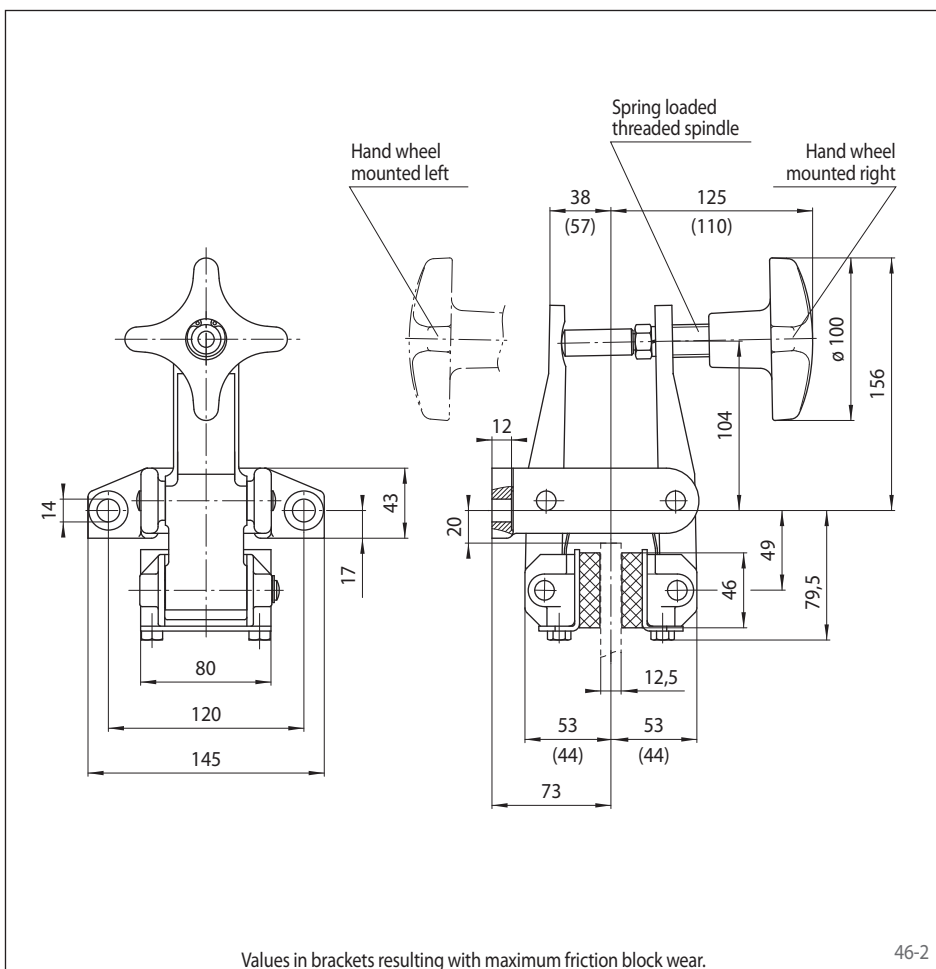
Features

Features	Code
Brake Caliper	D
Mounting to the machine parallel to the brake disc	V
Frame size 020	020
Manually activated	M
Manually released	S
Manual adjustment to counter friction block wear	M
Hand wheel 720	720
Hand wheel mounted right or left available	R L
Thickness of brake disc 12,5 mm	12

Example for ordering

Brake Caliper DV 020 MSM, hand wheel 720, hand wheel mounted right, thickness of brake disc 12,5 mm:

DV 020 MSM - 720 R - 12



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Technical Data

Brake Caliper DV 020 MSM with hand wheel 720	
Brake disc diameter [mm]	Braking torque [Nm]
200	160
250	215
300	270
355	335
430	420
520	520
Clamping force	2800 N
Weight	4,8 kg

The braking torques shown in the table are based on a theoretical friction coefficient of 0,4. The maximum braking torques are based on an operating torque of 7,7 Nm at the hand wheel.

A spring loaded threaded spindle compensates for wear of the friction block during the braking action.

Brake Caliper DH 020 MSM

manually activated – manually released
with hand wheel



47-1

Features

Features	Code
Brake Caliper	D
Mounting to the machine at right angles to the brake disc	H
Frame size 020	020
Manually activated	M
Manually released	S
Manual adjustment to counter friction block wear	M
Hand wheel 720	720
Position of the hand wheel to the right or left can be determined by turning the brake during installation	U
Thickness of brake disc 12,5 mm	12

Example for ordering

Brake Caliper DH 020 MSM, hand wheel 720, position of the hand wheel can be to the right or left, thickness of brake disc 12,5 mm:

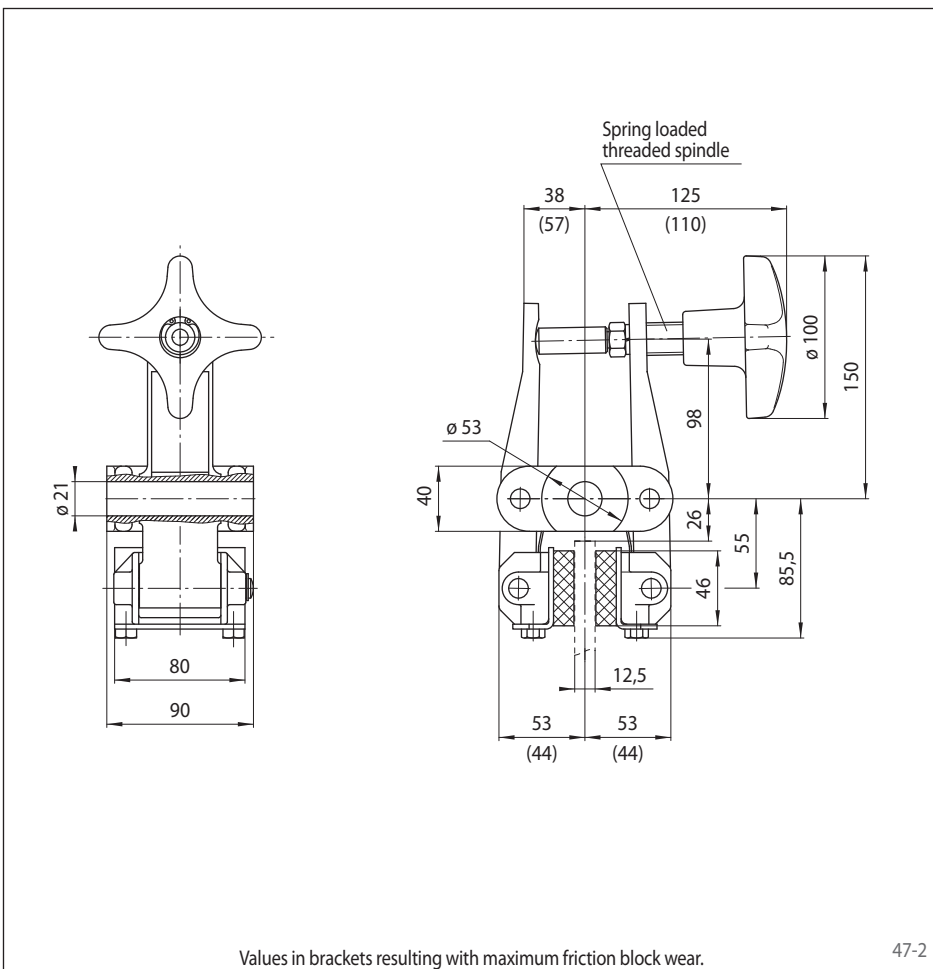
DH 020 MSM - 720 U - 12

Technical Data

Brake Caliper DH 020 MSM with hand wheel 720	
Brake disc diameter [mm]	Braking torque [Nm]
200	160
250	215
300	270
355	335
430	420
520	520
Clamping force	2800 N
Weight	4,8 kg

The braking torques shown in the table are based on a theoretical friction coefficient of 0,4. The maximum braking torques are based on an operating torque of 7,7 Nm at the hand wheel.

A spring loaded threaded spindle compensates for wear of the friction block during the braking action.

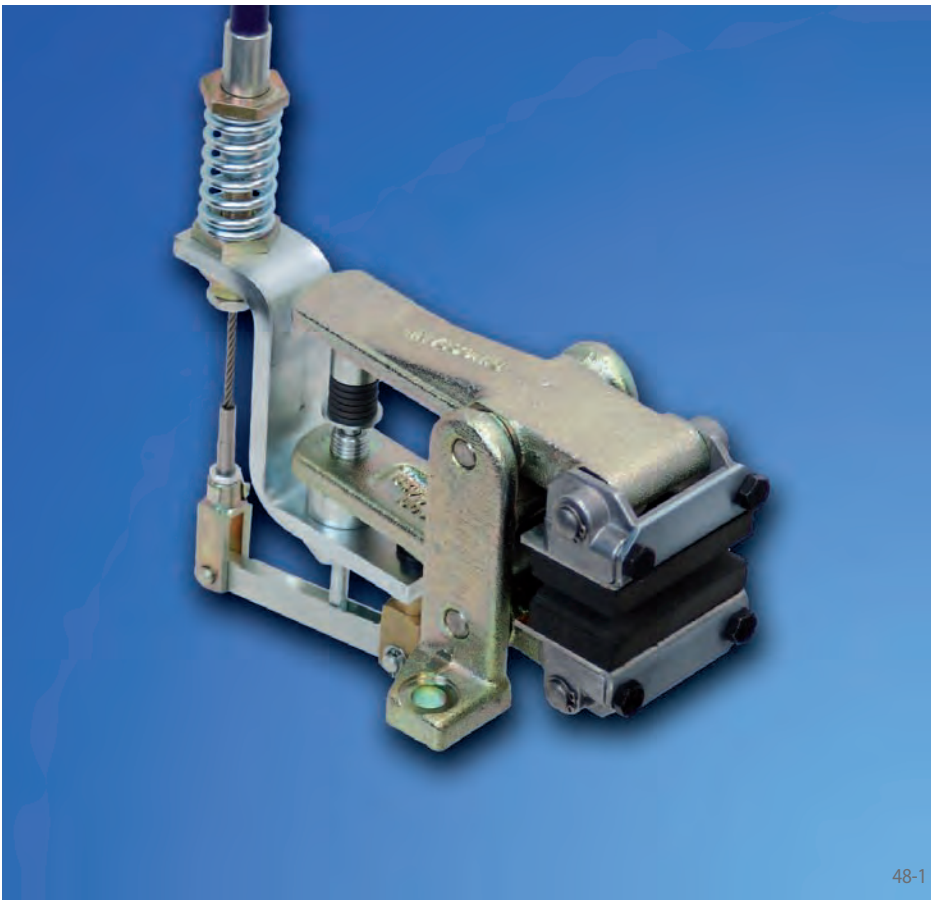


Values in brackets resulting with maximum friction block wear.

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Brake Caliper DV 020 MKM

manually activated – manually released
by Pull Cable



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Features

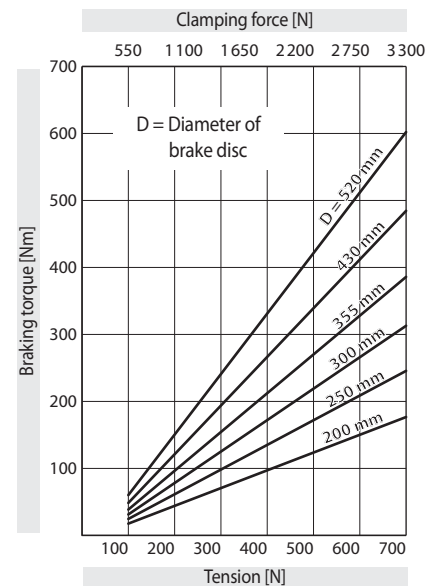
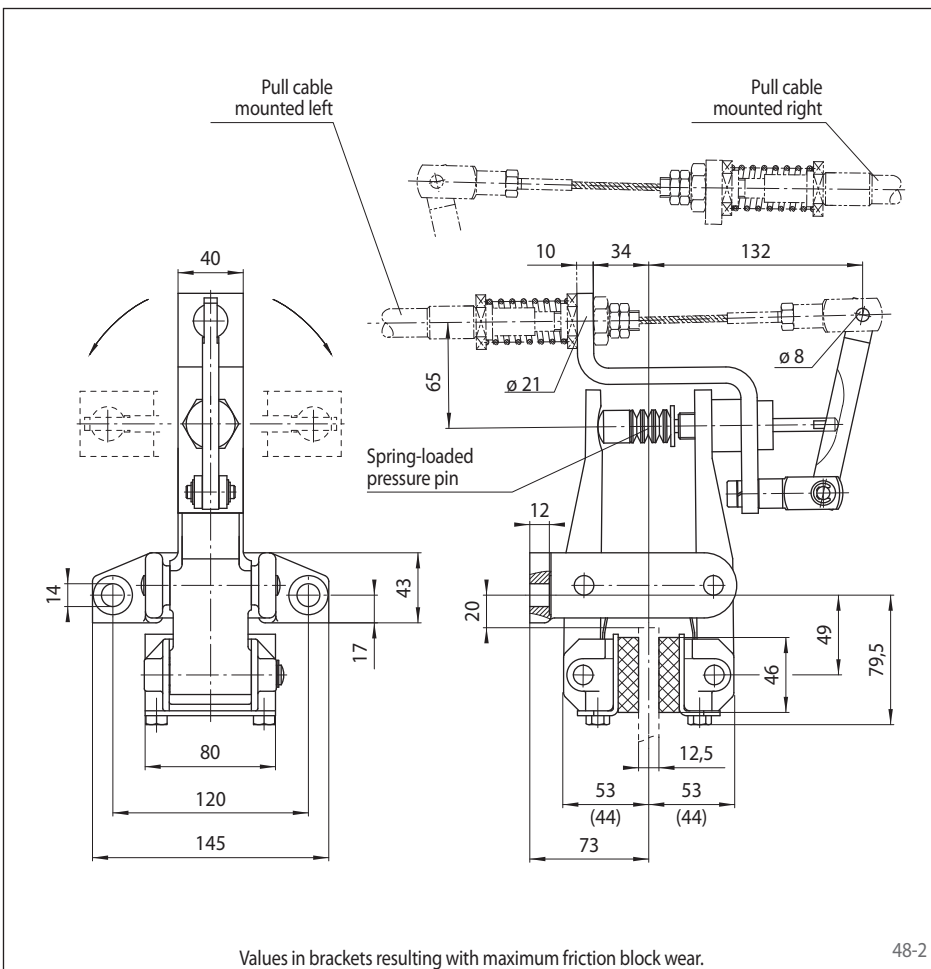
Features	Code
Brake Caliper	D
Mounting to the machine parallel to the brake disc	V
Frame size 020	020
Manually activated	M
Manually released	K
Manual adjustment to counter friction block wear	M
Spring-loaded pressure pin 730	730
Pull cable installation mounted right or left available	R L
Thickness of brake disc 12,5 mm	12

Example for ordering

Brake Caliper DV 020 MKM, pressure pin 730, pull cable installation mounted right, thickness of brake disc 12,5 mm:

DV 020 MKM - 730 R - 12

Technical Data



The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

Weight: 5,1 kg

Accessories

The Brake Caliper can be delivered fully assembled with Pull Cable and Hand Brake Lever. Please indicate the required cable length.

For further information regarding Pull Cables and Hand Brake Lever see page 71.

A spring loaded pressure pin compensates for wear of the friction block during the braking action.

Brake Caliper HS 075 FHM

spring activated – hydraulically released
for wind turbines or conveyor systems



Features

Features	Code
Brake Caliper	H
Floating caliper	S
With piston diameter 75 mm	075
Spring activated	F
Hydraulically released	H
Manual adjustment to counter friction block wear	M
Spring packages available for clamping forces of 10 kN, 20 kN, 30 kN, 40 kN or 55 kN	010 to 055

Example for ordering

Brake Caliper HS 075 FHM, spring package for clamping force 10 kN:

HS 075 FHM - 010

