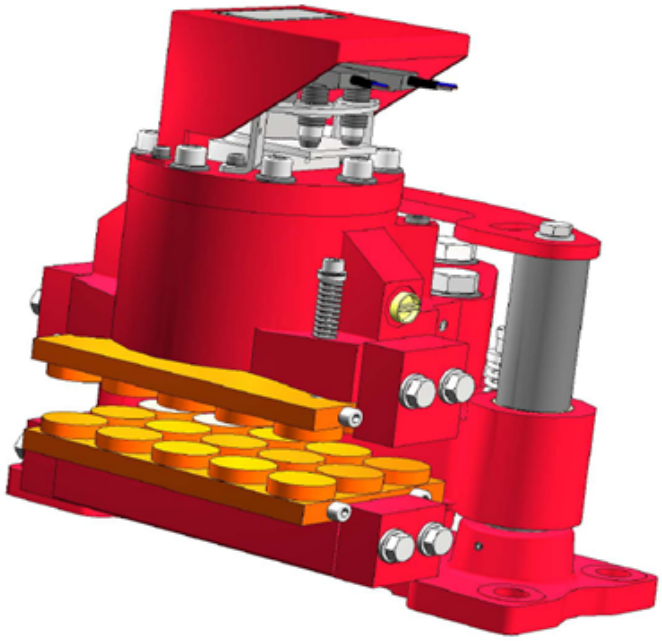
antec
APLICACIÓN NUEVAS TECNOLOGÍAS ANTEC, S.A.

NHC-900

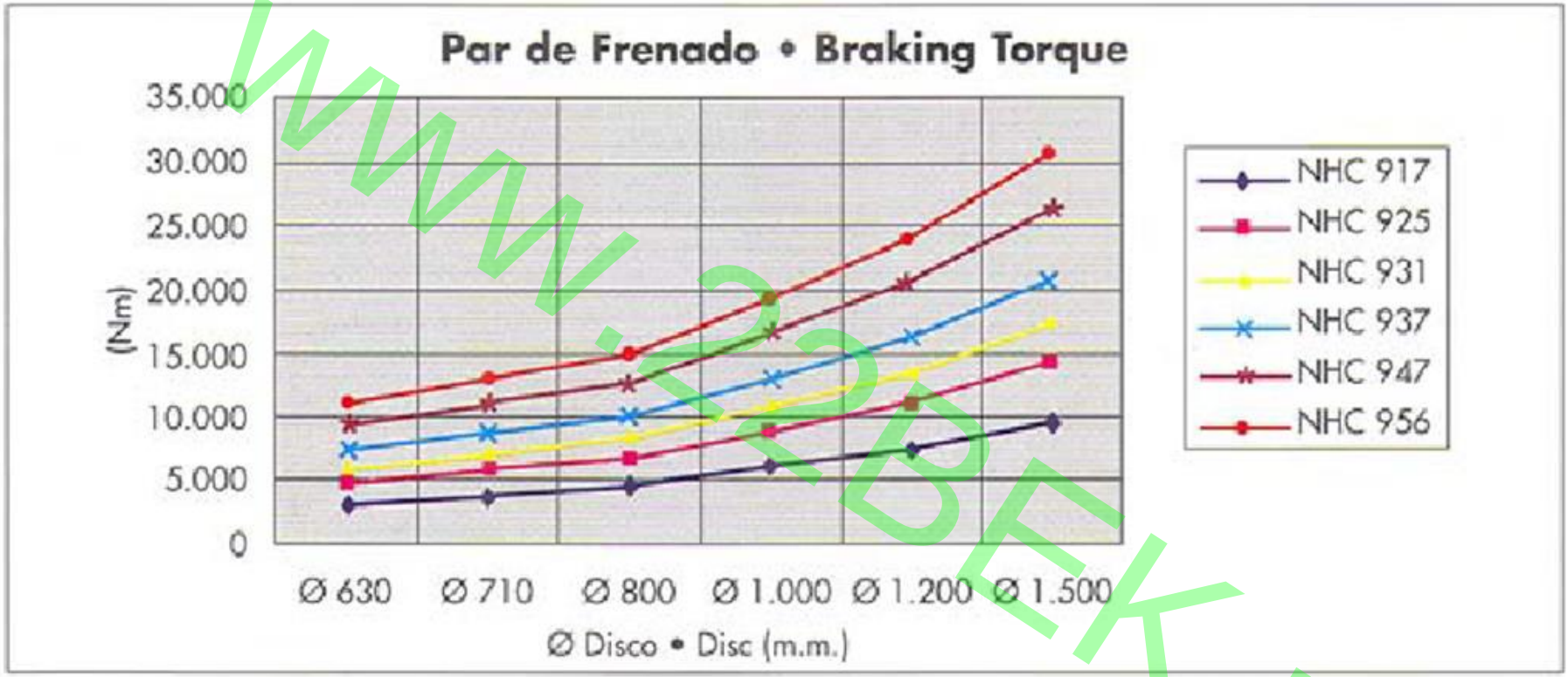
- Failsafe monospring emergency brake
- Self aligned



Designation		NHC-917	NHC-922	NHC-931	NHC-940	NHC-947
Clamping force 1 mm	N	17.000	22.000	31.000	40.000	47.000
Braking force (0,4)	N	13.600	17.600	24.800	32.000	37.600
Min opening pressure	bar	60	80	100	120	160
Max pressure	bar	210				
Lining dimension	mm	132 x 229				
Friction coefficient		0,4				
Lining material		Sintermetal MD550				
Lining thickness	mm	25				
Friction material thickness	mm	10				
Max pad wear	mm	8				
Open brake switch indicator		Optional				
Pad wear indicator		Optional				
Automatic wear adjustment system		Optional				
Weight	kg	76				
Temperature range *	ºC	-20 ºC to 70 ºC				

*For lower temperatures please contact us

NHC-900



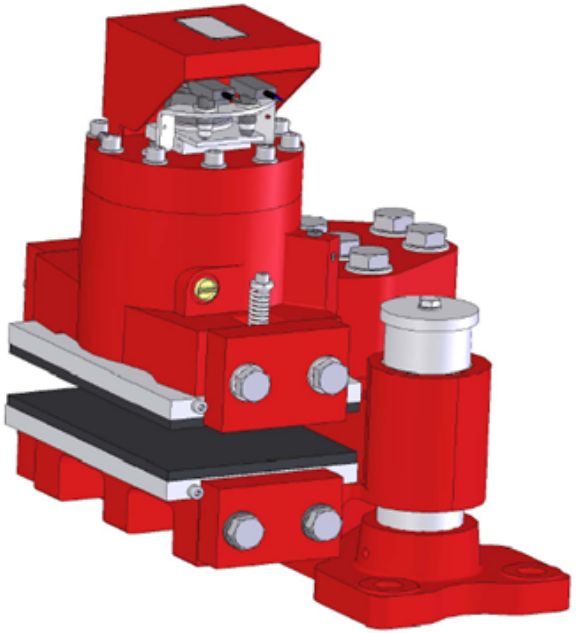
- Braking Torque (Nm)
  - Brake installed towards disc centre

$$Torque_{Brake} = n \cdot B_f \cdot \left(\frac{\varnothing_{Ext} - 0{,}13}{2} \right)$$

n= Number of brakes
B=Braking force
Ø= Diameter (m)

NHC-1400

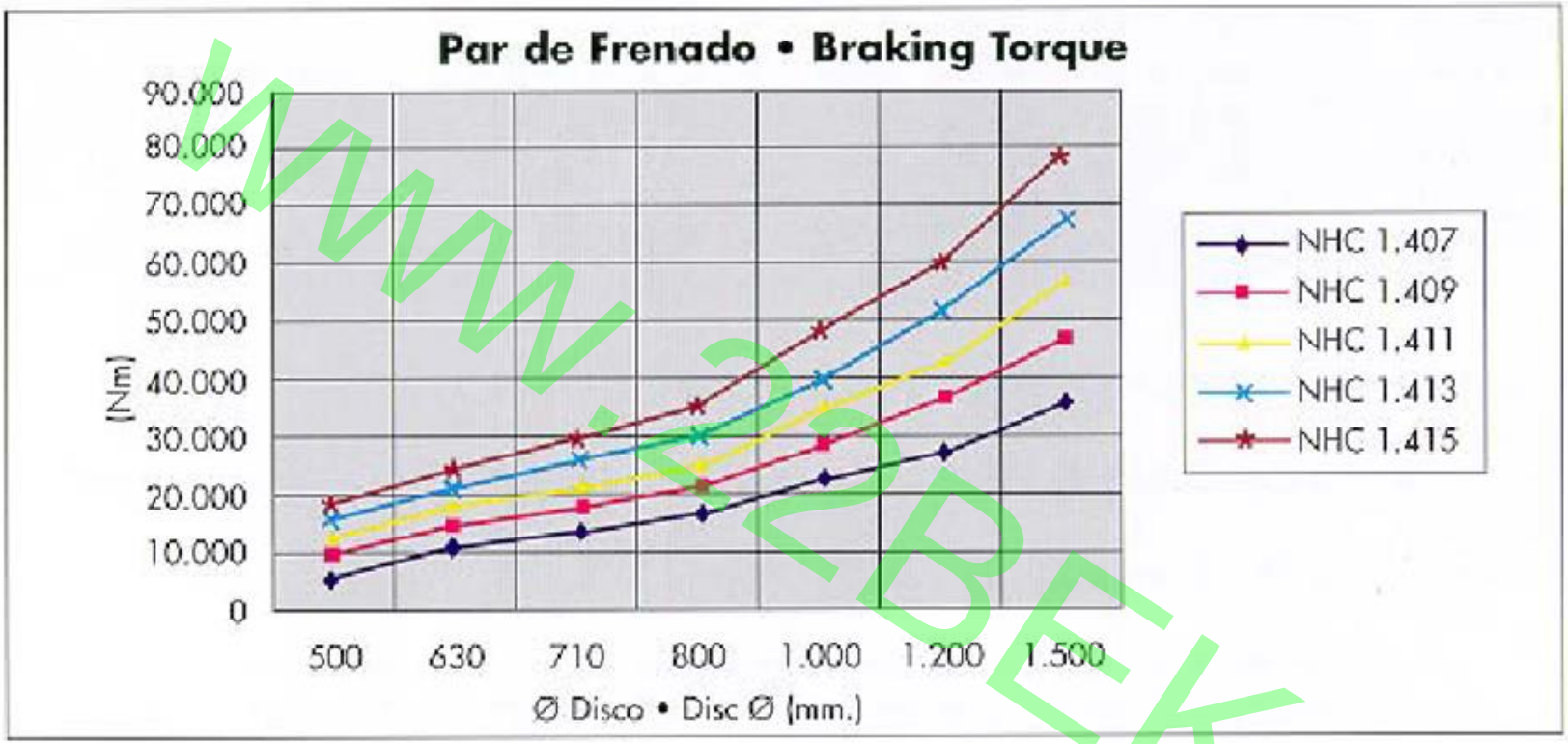
- Failsafe monospring emergency brake
- Self aligned



Designation		NHC-1408	NHC-1409	NHC-1411	NHC-1413	NHC-1415
Clamping force 1 mm	N	80.000	90.000	111.000	130.000	150.000
Braking force (0,4)	N	64.000	72.000	88.000	104.000	120.000
Min opening pressure	bar	100	120	140	180	210
Max pressure	bar	210				
Lining dimension	mm	304 x 200				
Friction coefficient		0,4				
Lining material		Sintermetal MD550				
Lining thickness	mm	30				
Friction material thickness	mm	10				
Max pad wear	mm	8				
Open brake switch indicator		Optional				
Pad wear indicator		Optional				
Automatic wear adjustment system		Optional				
Weight	kg	76				
Temperature range *	ºC	-20 ºC to 70 ºC				

*For lower temperatures please contact us

NHC-1400



- Braking Torque (Nm)
  - Brake installed towards disc centre

$$Torque_{Brake} = n \cdot B_f \cdot \left(\frac{\varnothing_{Ext} - 0{,}2}{2} \right)$$

n= Number of brakes
B=Braking force
Ø= Diameter (m)

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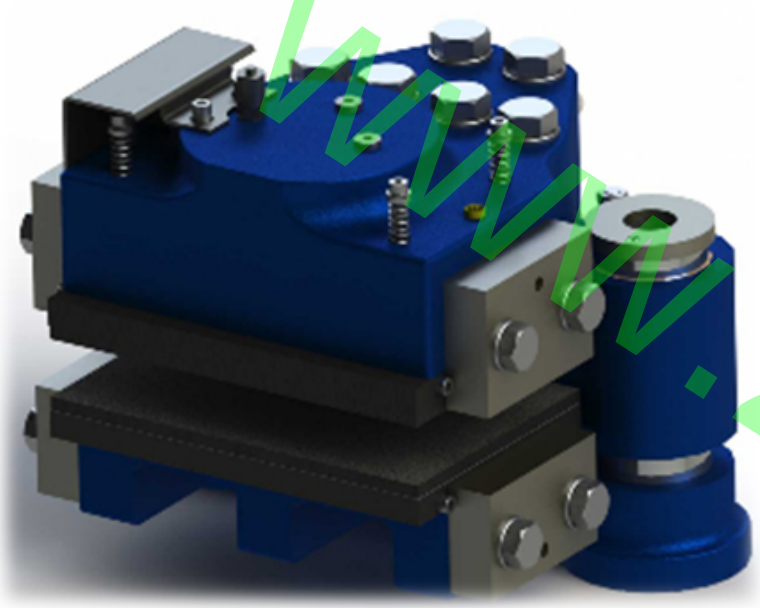
NHCEN-120

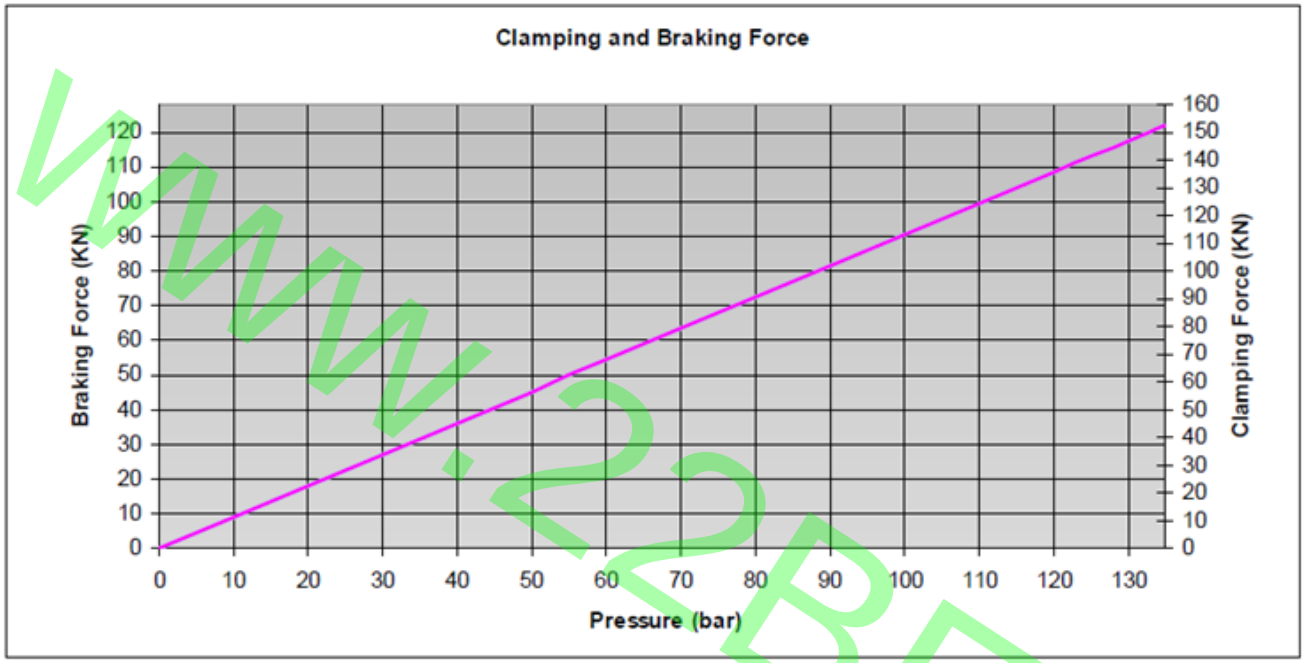


Self aligned	The brake has a device that maintains the same distance from the disc to each lining
Clamping force	Cf=152 KN
Braking force	Bf=122 KN
Maximum pressure	P=135 bar
Piston diameter	120 mm
Piston area	A=113 cm2
Lining dimension	304 x 200
Lining material	Sintermetal MD550
Wear Indicator	Avaliable
Considered friction coefficient	0,4
Maximum pad wear	8 mm
Retraction bolt spring	Avaliable
End stop	Avaliable
Weight	180 Kg
Temperature Range*	*-20ºC to 70ºC

*For lower temperatures please contact us

- Active brake
- Hydraulically applied
- Spring retracted
- Self aligned

NHCEN-120



Maximum clamping force at 135 bar = 152.671 N.
Maximum braking force at 135 bar = 122.136 N.

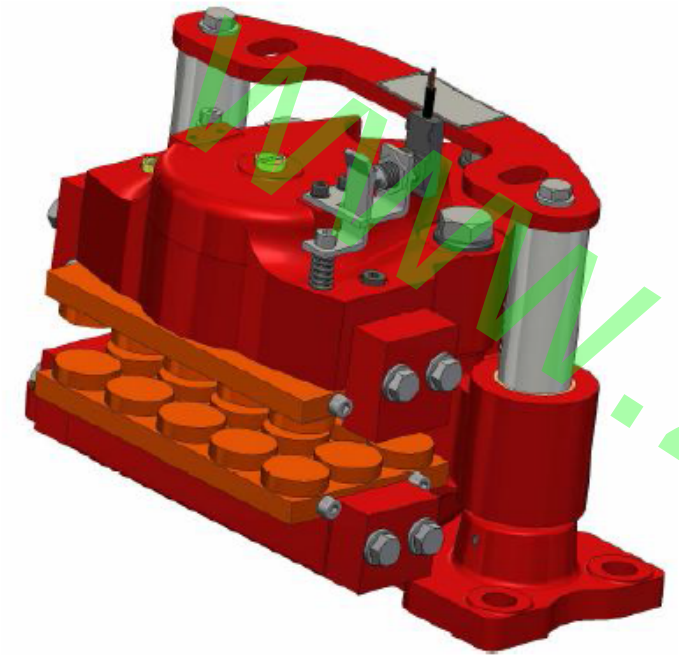
- Braking Torque (Nm)
  - Brake installed towards disc centre

$$Torque_{Brake} = n \cdot \mu \cdot 2 \cdot P \cdot 10 \cdot A \cdot \left(\frac{\varnothing_{Ext} - 0{,}2}{2} \right)$$

n= Number of brakes
μ =0.4 (*)
P= Pressure (bar)
A= Piston area (1 Piston) (cm^2)
Ø= Diameter (m)

(*) The friction coefficient depends on different factors such as disc material, speed, temperature, application and may vary between 0.25 and 0.5

NHCEN-900 *General Data-sheet & Dimensions*

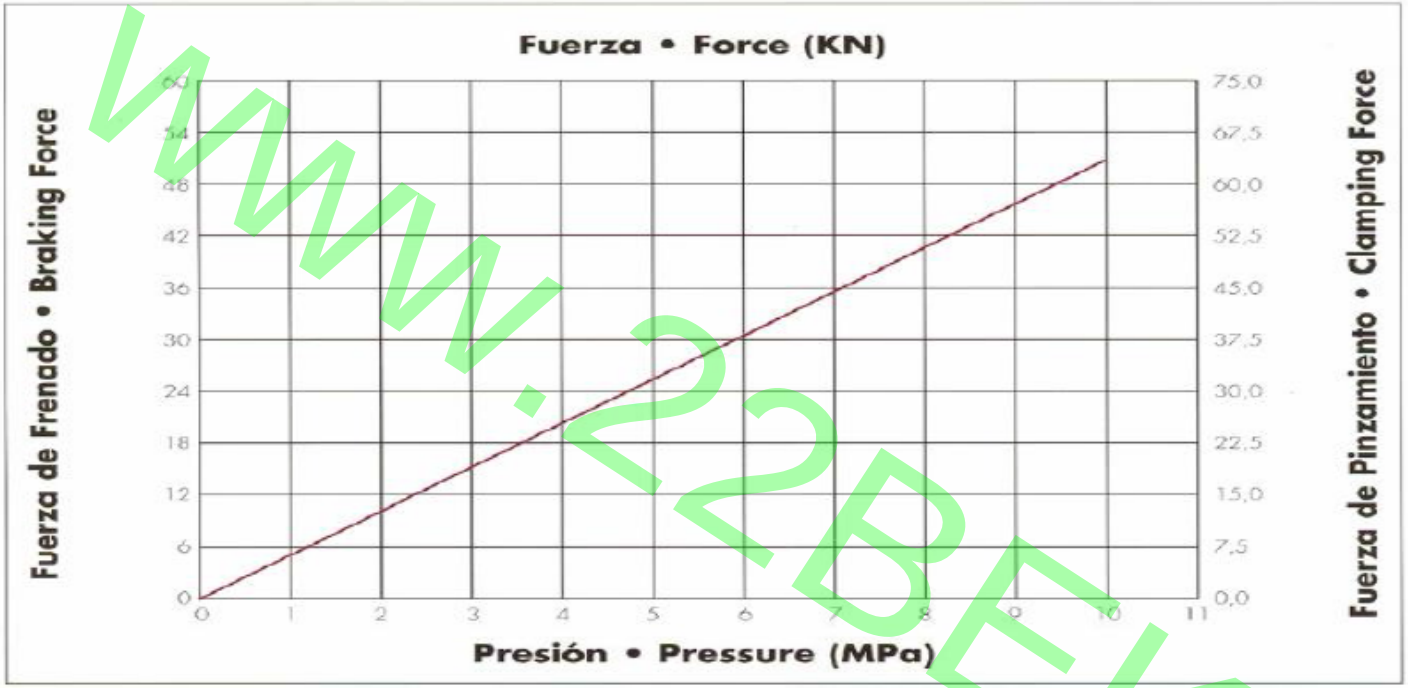


- Active brake
- Hydraulically applied
- Spring retracted
- Self-aligned

Brake material (Normal Climate)	Nodular Cast Iron GGG.50.7
Self aligned	The brake has a device that maintains the same distance from the disc to each lining
Clamping force	Cf=56 KN
Braking force	Bf=44,8 KN
Maximum pressure	P=130 bar
Piston diameter	75 mm
Piston area	A= 44,2 cm2
Lining dimension	132 x 229
Lining material	Sintermetal MD550
Wear Indicator	Included
Considered friction coefficient	0,4
Maximum pad wear	8 mm
Retraction bolt spring	Included
End stop	Included
Weight	76 Kg
Temperature Range*	-20ºC to 70ºC

*For lower temperatures please contact us

NHCEN-900 General Data-sheet & Dimensions



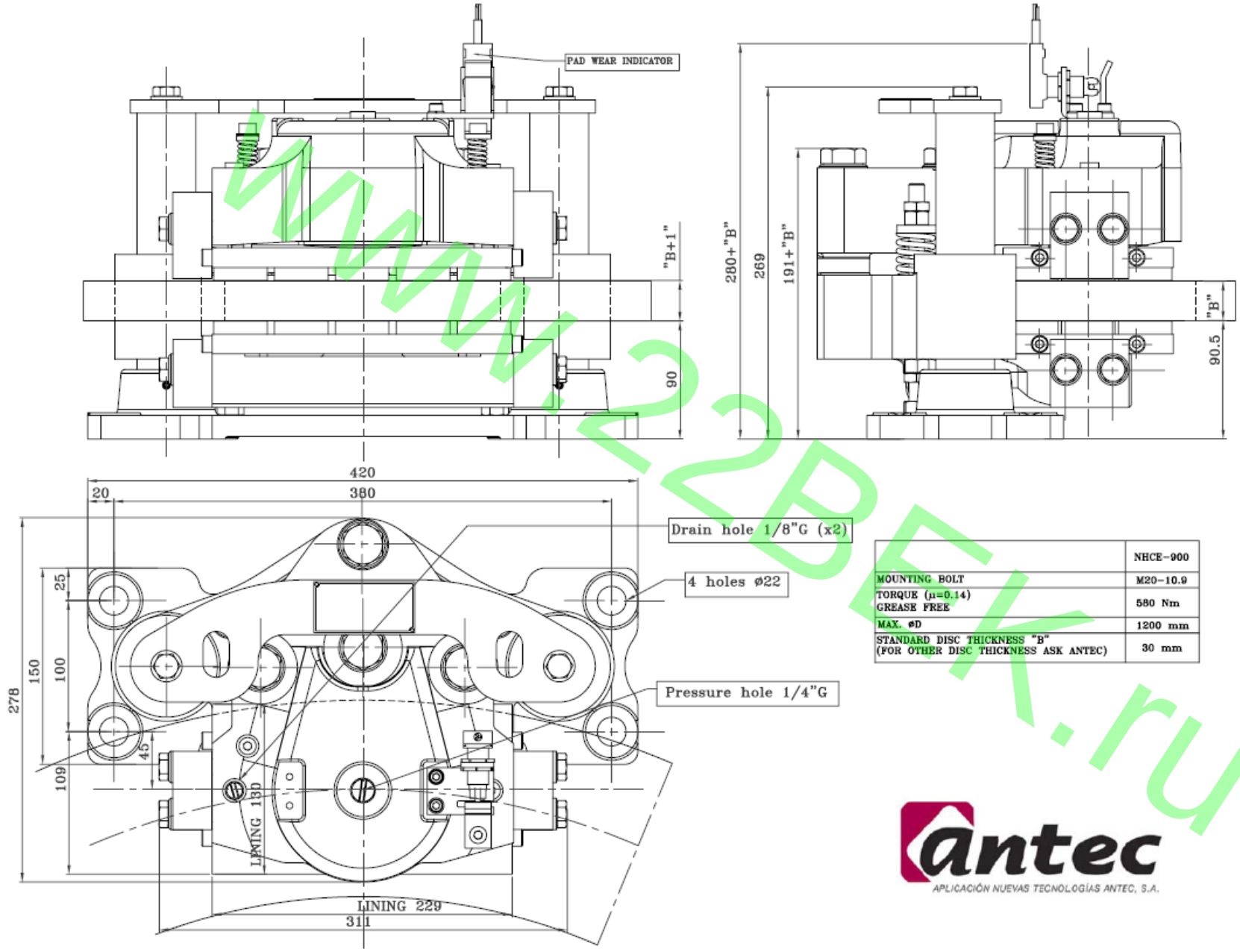
- Braking Torque (Nm)
  - Brake installed towards disc centre

$$Torque_{Brake} = n \cdot \mu \cdot 2 \cdot P \cdot 10 \cdot A \cdot \left(\frac{\varnothing_{Ext} - 0{,}13}{2} \right)$$

n= Number of brakes
μ= 0.4 (*)
P= Pressure (bar)
A= Area per piston (cm²)
Ø= Diameter (m)

(*) The friction coefficient depends on different factors such as disc material, speed, temperature, application and may vary between 0.25 and 0.5

GENERAL DIMENSIONS DRAWING



	NHCE-900
MOUNTING BOLT	M20-10.9
TORQUE (μ=0.14) GREASE FREE	580 Nm
MAX. øD	1200 mm
STANDARD DISC THICKNESS "B" (FOR OTHER DISC THICKNESS ASK ANTEC)	30 mm

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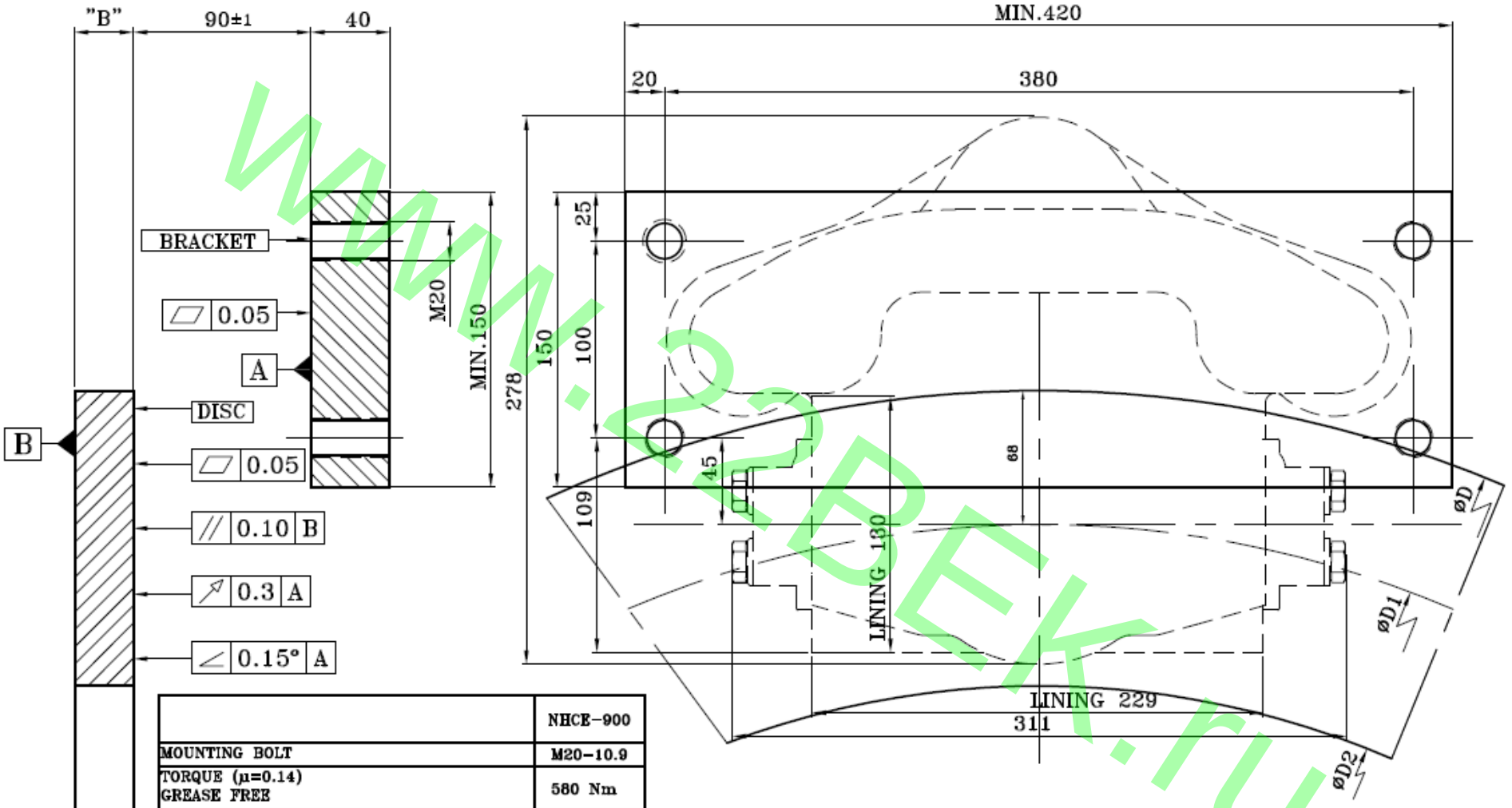
BRAKE INSTALATION TOWARDS DISC CENTRE



	NHCE-900
MOUNTING BOLT	M20-10.9
TORQUE (μ=0.14) GREASE FREE	580 Nm
MAX. øD	1200 mm
STANDARD DISC THICKNESS "B" (FOR OTHER DISC THICKNESS ASK ANTEC)	30 mm