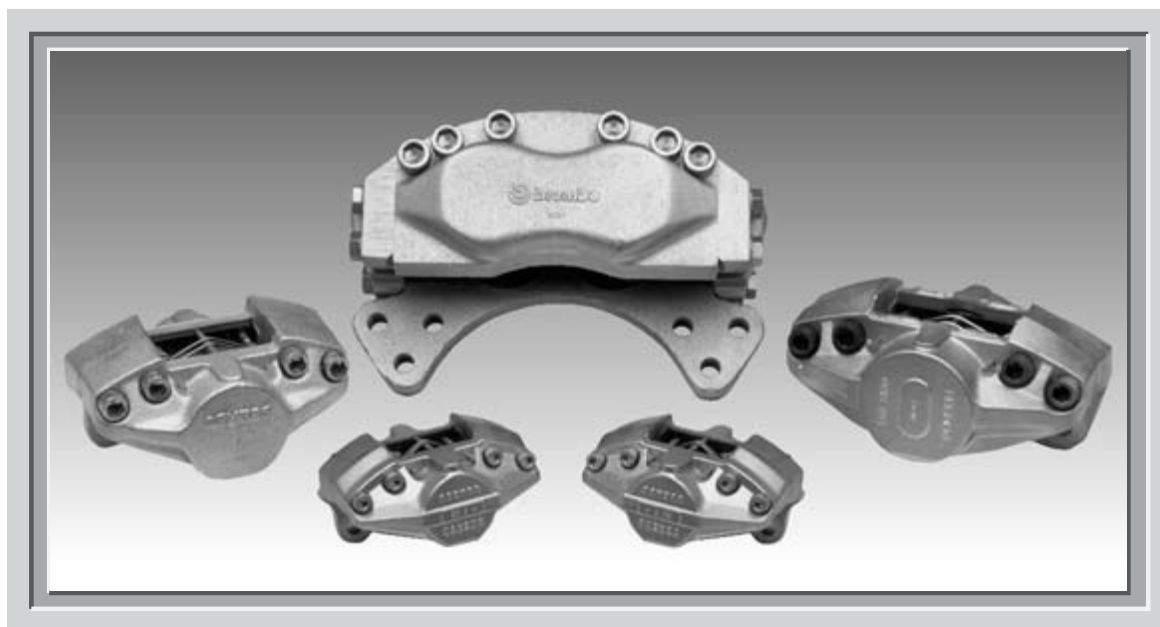


brake **CALIPERS** **PINZE** freno



Besides of being the sole distributor of Brembo products for the industrial sector, Vimoter has recently acquired the equipments and relative know-how from the same to produce five groups of calipers directly . Vimoter's competitiveness and flexibility, together with Brembo's project acknowledgements enable to offer a fully reliable product , which is also marked "Engineered by Brembo".

Distributore da diversi anni dei prodotti Brembo per il settore industriale, Vimoter ha acquistato dalla stessa Brembo le attrezzature ed il relativo know-how del ramo d'azienda per la produzione di pinze freno per il settore industriale. La competenza e la flessibilità della Vimoter unite all'esperienza progettuale della Brembo permettono di offrire un prodotto conveniente e di assoluta affidabilità, contraddistinto dal marchio "Engineered by Brembo".

All our products arise from the cooperation between our technical dept. and the client's one. Do not hesitate to contact us since the first stages of your machine's development.

Tutti i nostri prodotti nascono dalla collaborazione tra il nostro Ufficio Tecnico e quello del cliente. Contattateci fin dalle prime fasi di sviluppo della vostra macchina.

ENGINEERED BY
brembo

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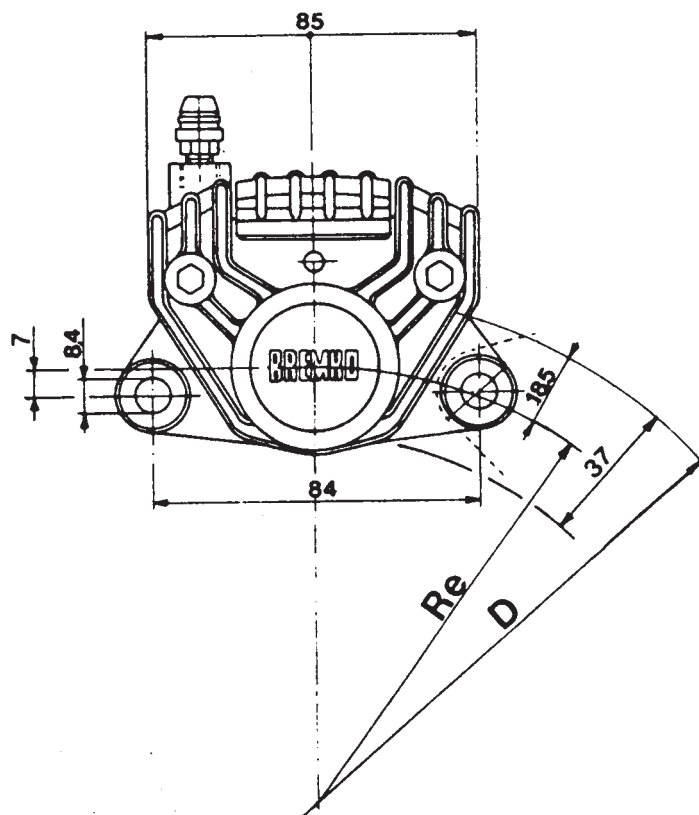
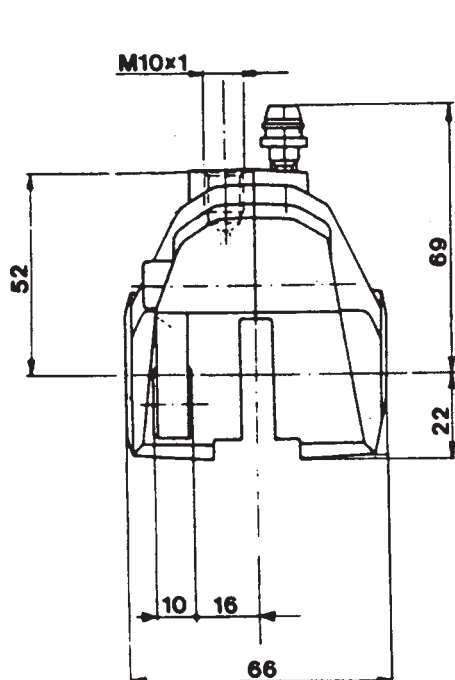


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Pinza idraulica *Hydraulic brake caliper*

P32e
20.5161.51



Caratteristiche Tecniche *Technical characteristics*

Materiale costruzione **alluminio**
Construction material **aluminium**

Numero e diametro pistoni **2x32 mm**
Pistons number and diameter

Pressione max di funzionamento **100 bar**
Max operating pressure

Numero e superficie pastiglie **2x12 cm²**
Pads number and area

Diametro disco (D) **da 150 a 290 mm**
Disc diameter

Spessore disco max e min usurato **7 - 5,6 mm**
Disc thickness, max and min worn

Assorbimento volumetrico a 100 bar **0,85 cm³**
Fluid displacement at 100 bar

Posizione di montaggio **ore 12**
Mounting location

Raggio efficace (Re) **(D/2)-18,5 mm**
Effective rolling radius (Re)

Massa (con pastiglie) **0,53 Kg**
Weight (with pads)

Fluido di azionamento - Actuation fluid:

dis. 20.5161.51 liquido freni - *Brake fluid*

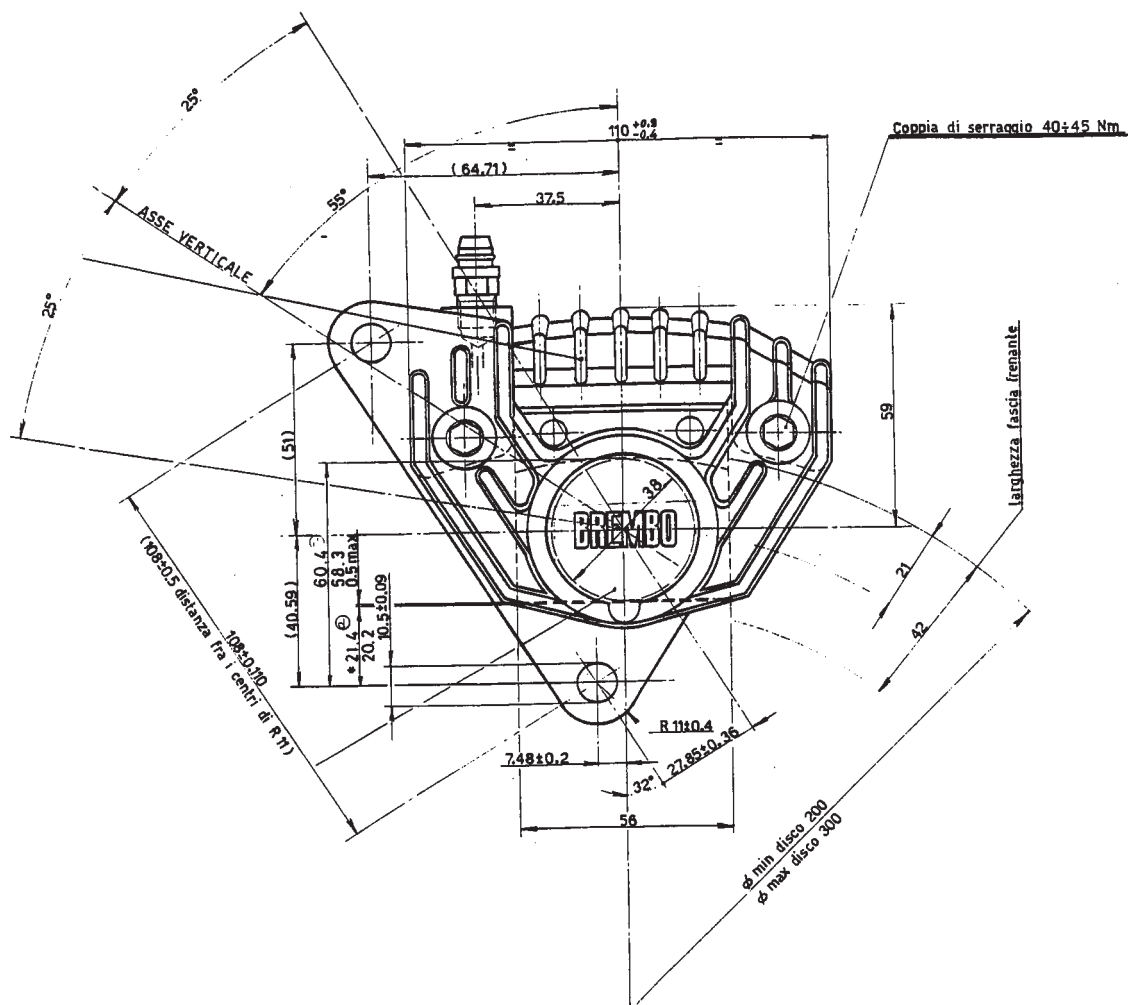
Ultimo aggiornamento:
ottobre 2001





Pinza idraulica Hydraulic brake caliper

P2F08N/3
20.3556.40/41



Caratteristiche Tecniche Technical characteristics

Materiale costruzione **ghisa**
Construction material **cast iron**

Numero e diametro pistoni **2x38 mm**
Pistons number and diameter

Pressione max di funzionamento **100 bar**
Max operating pressure

Numero e superficie pastiglie **2x20 cm²**
Pads number and area

Diametro disco (D) **da 200 a 300 mm**
Disc diameter

Spessore disco max e min usurato **5 - 4,5 mm**
Disc thickness, max and min worn

Assorbimento volumetrico a 100 bar **0,67 cm³**
Fluid displacement at 100 bar

Raggio efficace (Re) **(D/2)-21 mm**
Effective rolling radius (Re)

Massa (con pastiglie) **0,840 Kg**
Weight (with pads)

Fluido di azionamento - Actuation fluid:

dis. 20.3556.40/41 liquido freni - Brake fluid

Ultimo aggiornamento:
ottobre 2001

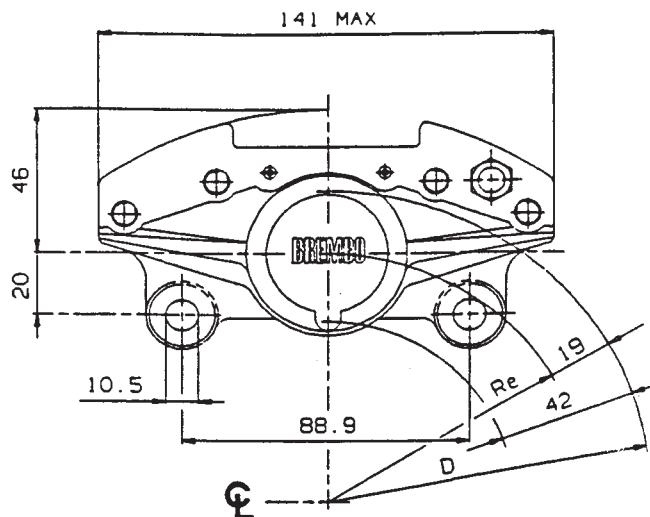
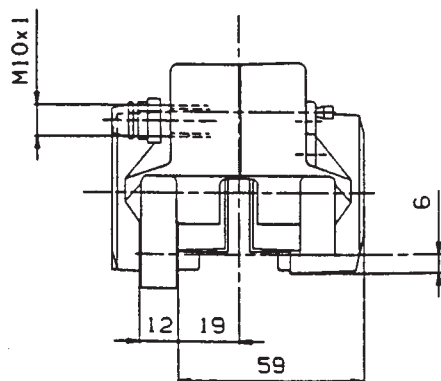




Pinza idraulica

Hydraulic brake caliper

P38d
20.2945.12



Caratteristiche Tecniche

Technical characteristics

Materiale costruzione Construction material	alluminio aluminium
Numero e diametro pistoni Pistons number and diameter	2x38 mm
Pressione max di funzionamento Max operating pressure	70 bar
Numero e superficie pastiglie Pads number and area	2x18,8 cm²
Diametro disco (D) Disc diameter	da 160 a 300 mm
Spessore disco max e min usurato Disc thickness, max and min worn	6,6 - 5,8 mm
Posizione di montaggio Mounting location	ore 3-9
Raggio efficace (Re) Effective rolling radius (Re)	(D/2)-19 mm
Massa (con pastiglie) Weight (with pads)	0,96 Kg

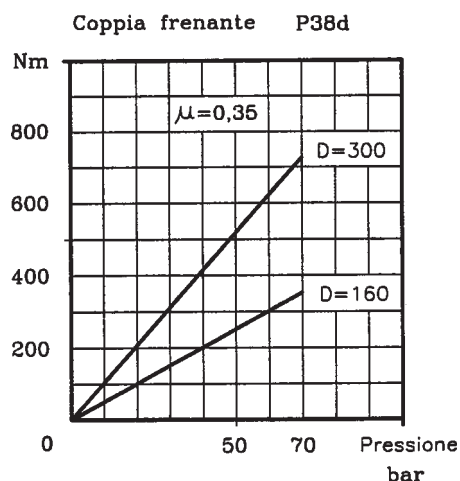
Fluido di azionamento - Actuation fluid:

dis. 20.2945.12

liquido freni - Brake fluid

Prestazioni

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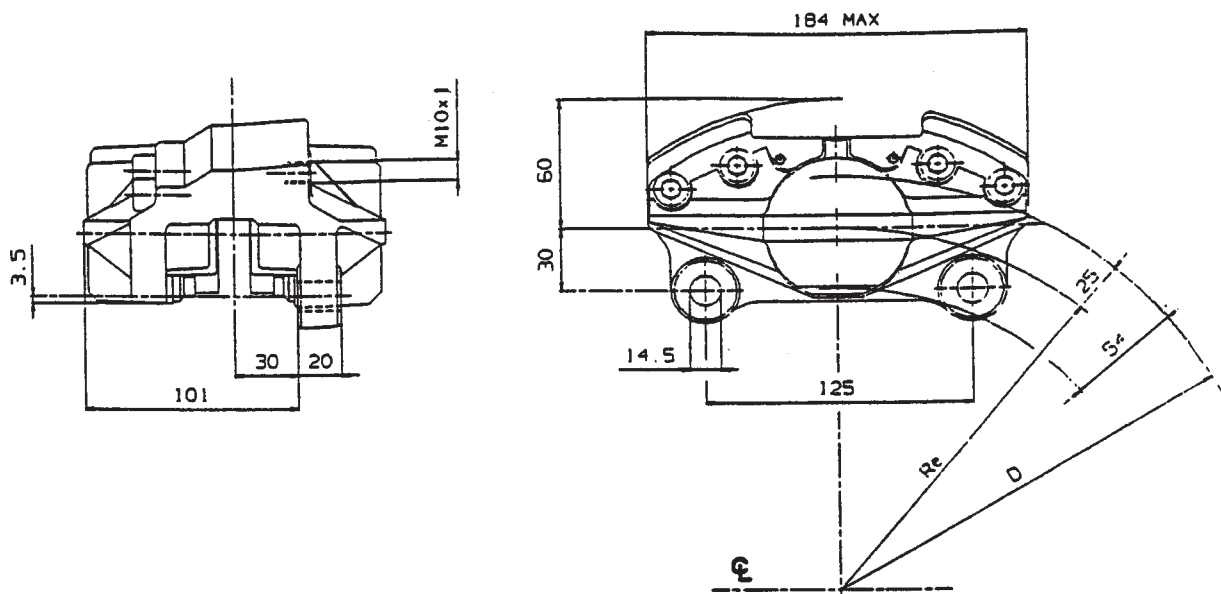


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Pinza idraulica

Hydraulic brake caliper

P48d
20.3195.11/31
.51/71



Caratteristiche Tecniche

Technical characteristics

Materiale costruzione Construction material	ghisa cast iron
Numero e diametro pistoni Pistons number and diameter	2x48 mm
Pressione max di funzionamento Max operating pressure	150 bar
Numero e superficie pastiglie Pads number and area	2x37 cm ²
Diametro disco (D) Disc diameter	da 200 a 400 mm
Spessore disco max e min usurato Disc thickness, max and min worn	13-11 mm
Assorbimento volumetrico a 150 bar Fluid displacement at 150 bar	3,3 cm ³
Assorbimento volumetrico a 150 bar (A) Fluid displacement at 150 bar (A)	2 cm ³
Posizione di montaggio Mounting location	ore 3 - 9
Raggio efficace (Re) Effective rolling radius (Re)	(D/2)-25 mm
Massa (con pastiglie) Weight (with pads)	6,4 Kg

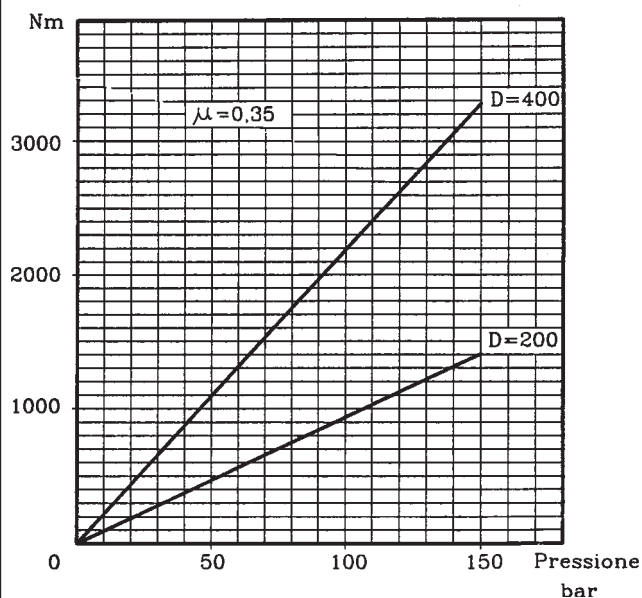
Fluido di azionamento - Actuation fluid:

dis. 20.3195.11 / 51(A)	liquido freni - Brake fluid
dis. 20.3195.31 / 71(A)	olio minerale - Hydraulic oil

Prestazioni

Performances

Coppia frenante P48d



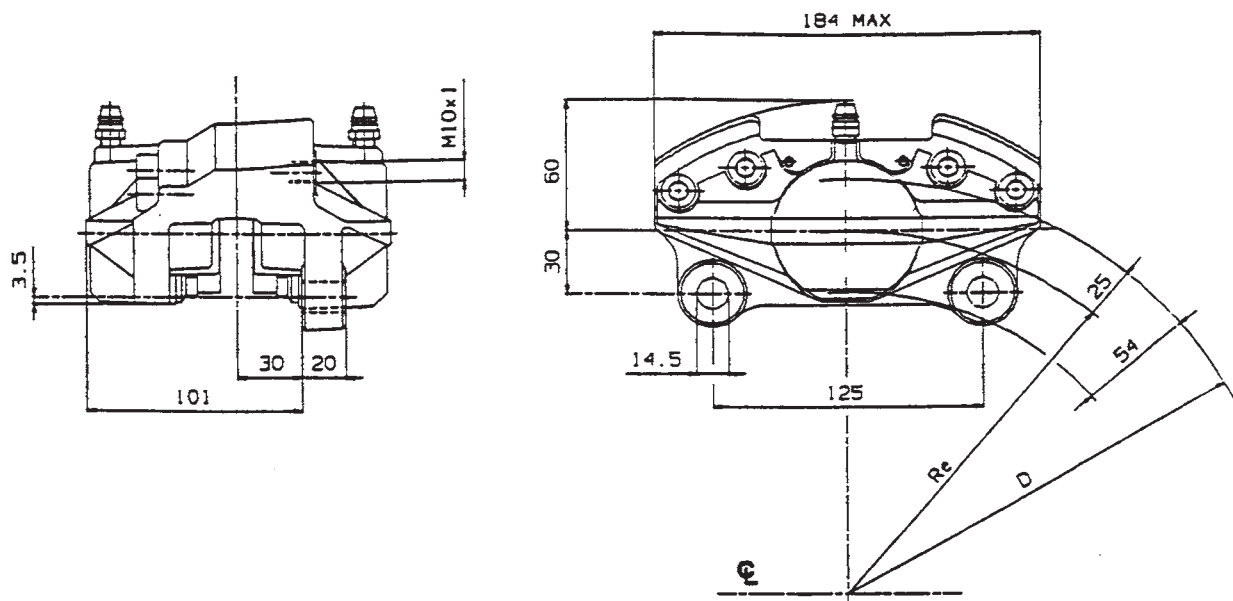
(A): Pinza con dispositivo anti arretramento dei pistoni
(per veicoli con velocità max inferiore a 30 km/h)
Brake caliper with pistons anti retracting device
(for vehicles with top speed lower than 30 km/h)

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Pinza idraulica

Hydraulic brake caliper

P48d
20.4522.11/31



Caratteristiche Tecniche

Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **2x48 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x37 cm²**

Diametro disco (D)
Disc diameter **da 200 a 400 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **13 - 11 mm**

Assorbimento volumetrico a 150 bar
Fluid displacement at 150 bar **3,3 cm³**

Posizione di montaggio
Mounting location **ore 12**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-25 mm**

Massa (con pastiglie)
Weight (with pads) **6,4 Kg**

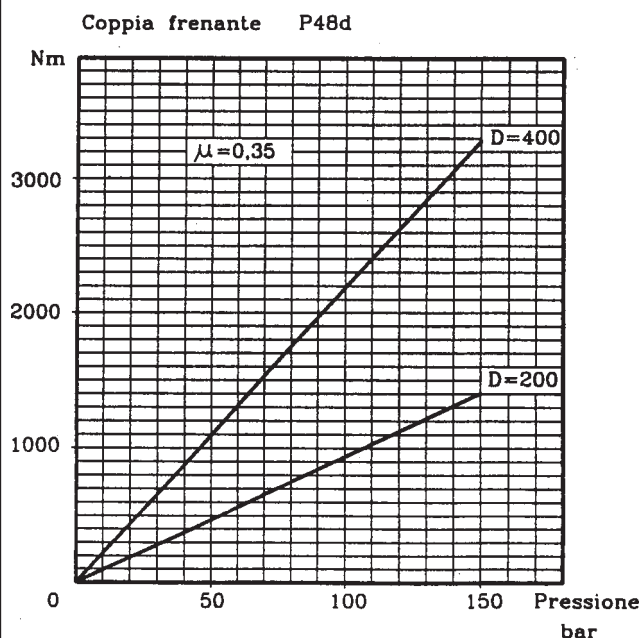
Fluido di azionamento - Actuation fluid:

dis. 20.4522.11 **liquido freni - Brake fluid**

dis. 20.4522.31 **olio minerale - Hydraulic oil**

Prestazioni

Performances

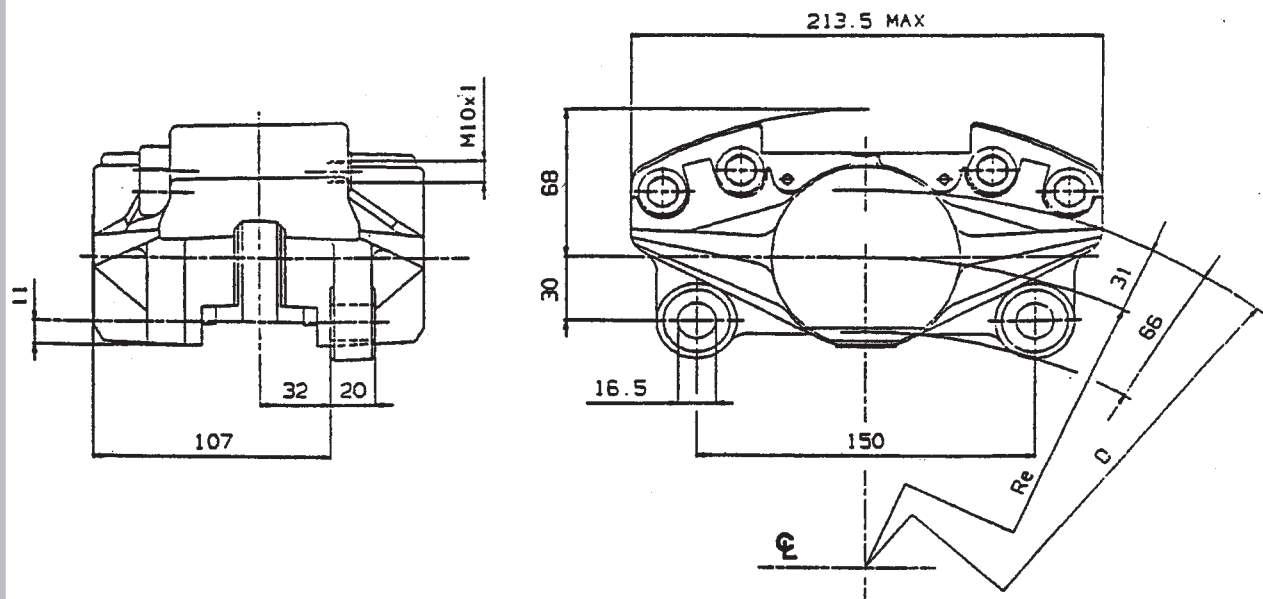


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Pinza idraulica

Hydraulic brake caliper

P60a
20.2846.11/31
.51/71



Caratteristiche Tecniche

Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **2x60 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x50 cm²**

Diametro disco (D)
Disc diameter **da 300 a 600 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **16 - 14,5 mm**

Assorbimento volumetrico a 150 bar
Fluid displacement at 150 bar **5,7 cm³**

Assorbimento volumetrico a 150 bar (A)
Fluid displacement at 150 bar (A) **3,8 cm³**

Posizione di montaggio
Mounting location **ore 3 - 9**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-31 mm**

Massa (con pastiglie)
Weight (with pads) **9,35 Kg**

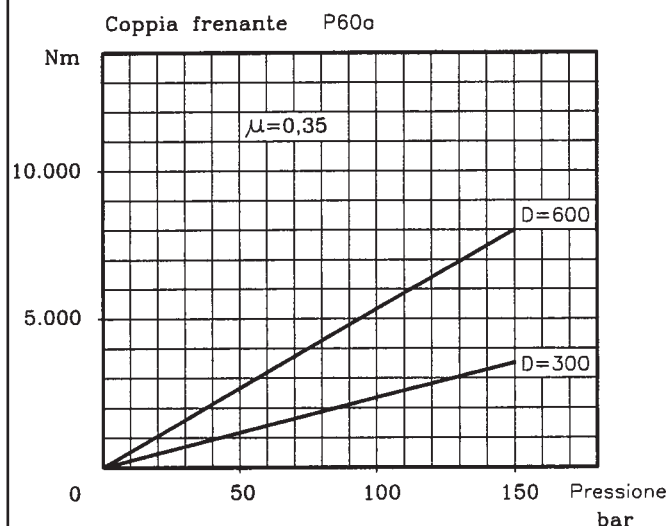
Fluido di azionamento - Actuation fluid:

dis. 20.2846.11 / 51(A) liquido freni - **Brake fluid**

dis. 20.2846.31 / 71(A) olio minerale - **Hydraulic oil**

Prestazioni

Performances



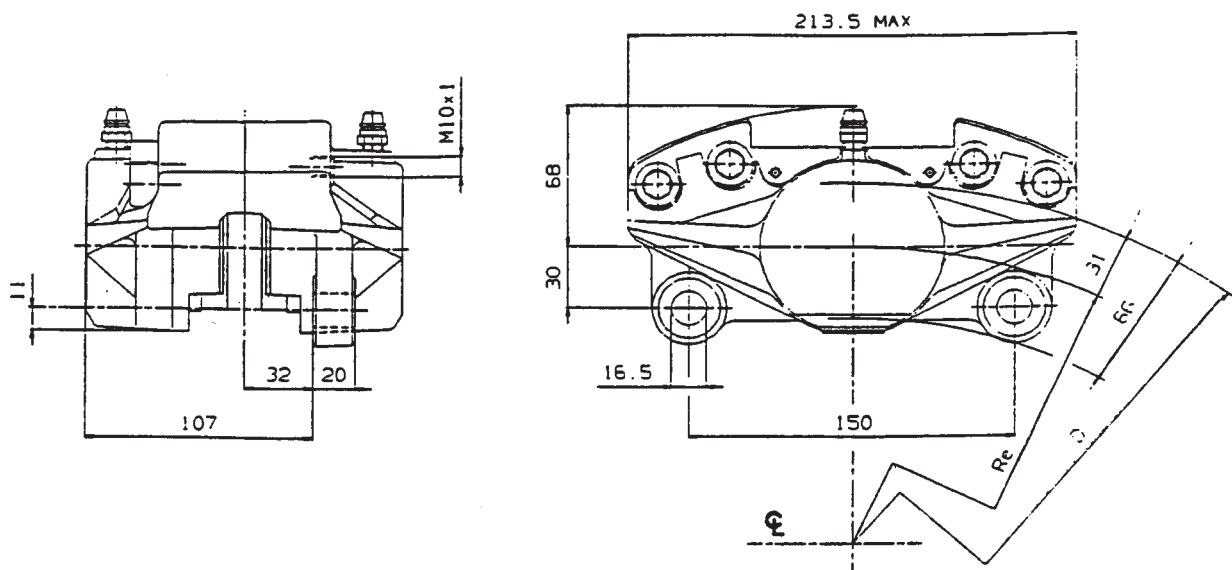
(A): Pinza con dispositivo anti arretramento dei pistoni
(per veicoli con velocità max inferiore a 30 km/h)
Brake caliper with pistons anti retracting device
(for vehicles with top speed lower than 30 km/h)

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Pinza idraulica

Hydraulic brake caliper

P60a
20.3662.50



Caratteristiche Tecniche

Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **2x60 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x50 cm²**

Diametro disco (D)
Disc diameter **da 300 a 600 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **16 - 14,5 mm**

Assorbimento volumetrico a 150 bar
Fluid displacement at 150 bar **3,8 cm³**

Posizione di montaggio
Mounting location **ore 3 - 9**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-31 mm**

Massa (con pastiglie)
Weight (with pads) **9,35 Kg**

Fluido di azionamento - Actuation fluid:

dis. 20.3662.50

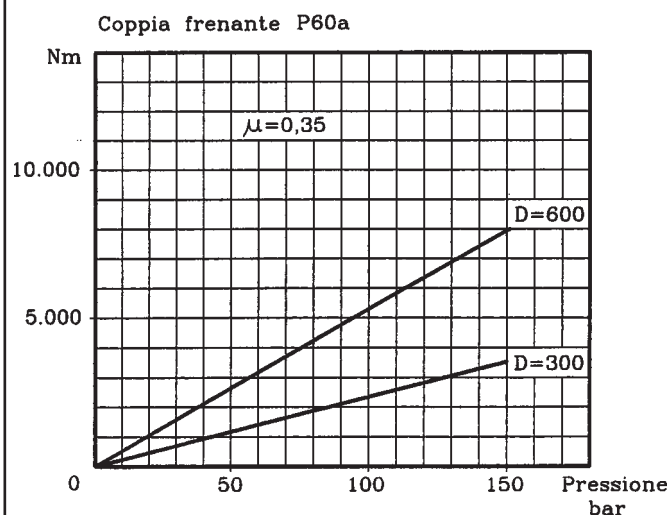
liquido freni - Brake fluid

N.B.:

La pinza è indicata per veicoli con velocità max di 30 km/h

Prestazioni

Performances

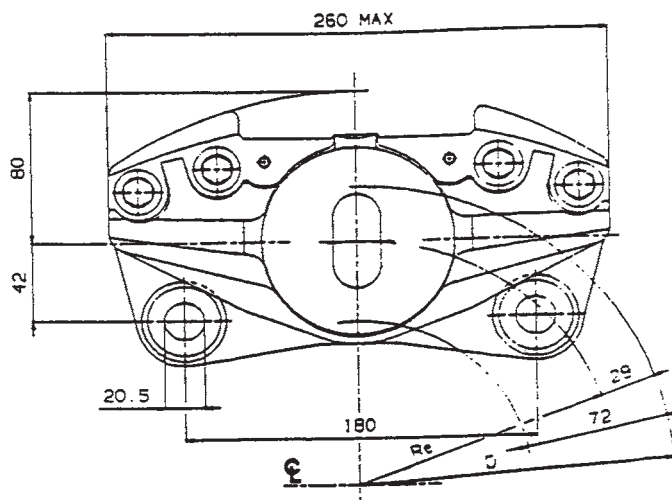
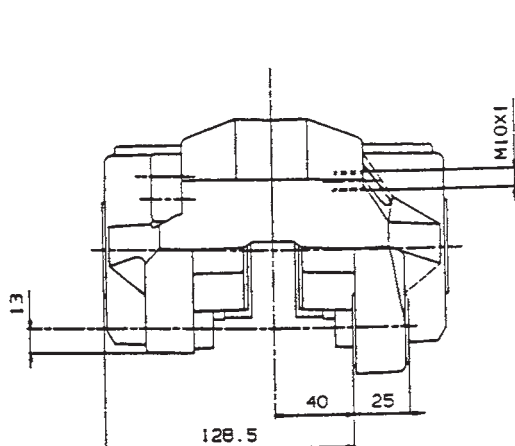


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Pinza idraulica

Hydraulic brake caliper

P75b
20.2802.11/31
.51/71



Caratteristiche Tecniche

Technical characteristics

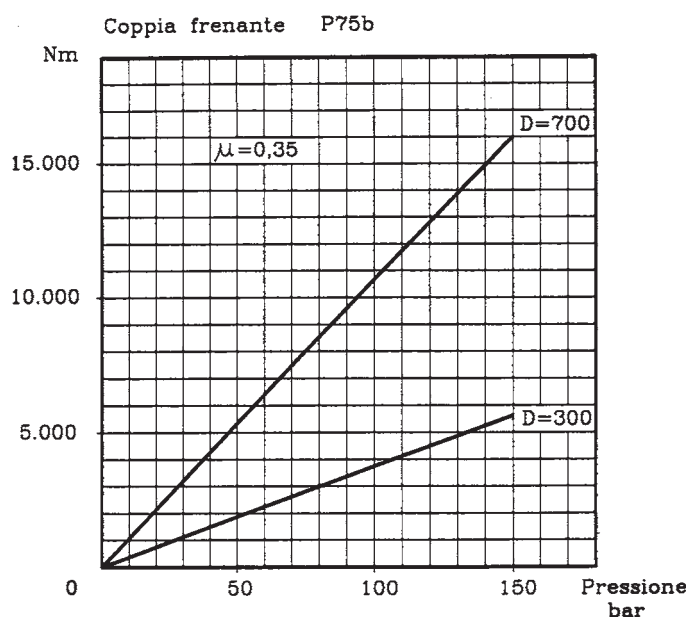
Materiale costruzione Construction material	ghisa cast iron
Numero e diametro pistoni Pistons number and diameter	2x75 mm
Pressione max di funzionamento Max operating pressure	150 bar
Numero e superficie pastiglie Pads number and area	2x74,5 cm ²
Diametro disco (D) Disc diameter	da 300 a 700 mm
Spessore disco max e min usurato Disc thickness, max and min worn	22 - 20 mm
Assorbimento volumetrico a 150 bar Fluid displacement at 150 bar	9,2 cm ³
Posizione di montaggio Mounting location	ore 3 - 9
Raggio efficace (Re) Effective rolling radius (Re)	(D/2)-29 mm
Massa (con pastiglie) Weight (with pads)	15,6 Kg

Fluido di azionamento - Actuation fluid:

dis. 20.2802.11 / 51(A)	liquido freni - Brake fluid
dis. 20.2802.31 / 71(A)	olio minerale - Hydraulic oil

Prestazioni

Performances

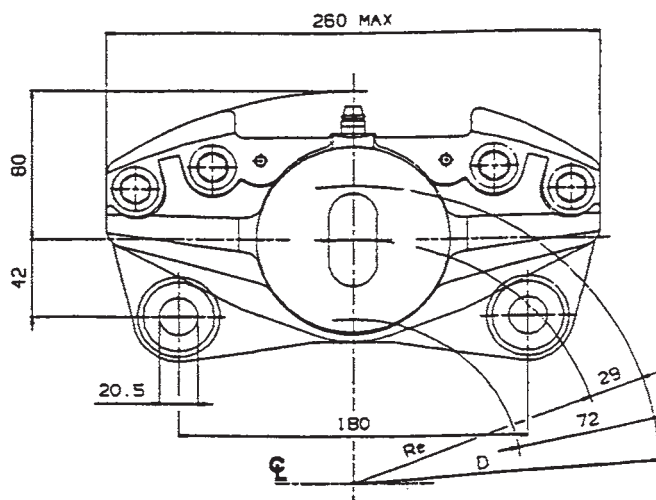
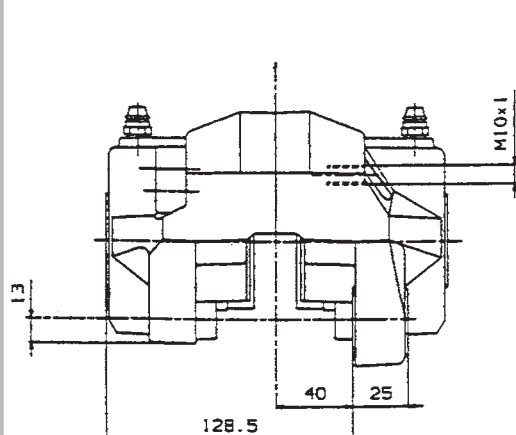


(A): Pinza con dispositivo anti arretramento dei pistoni
(per veicoli con velocità max inferiore a 30 km/h)
Brake caliper with pistons anti retracting device
(for vehicles with top speed lower than 30 km/h)

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Pinza idraulica Hydraulic brake caliper

P75b
20.3100.31



Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **2x75 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x74,5 cm²**

Diametro disco (D)
Disc diameter **da 300 a 700 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **22 - 20 mm**

Assorbimento volumetrico a 150 bar
Fluid displacement at 150 bar **9,2 cm³**

Posizione di montaggio
Mounting location **ore 12**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-29 mm**

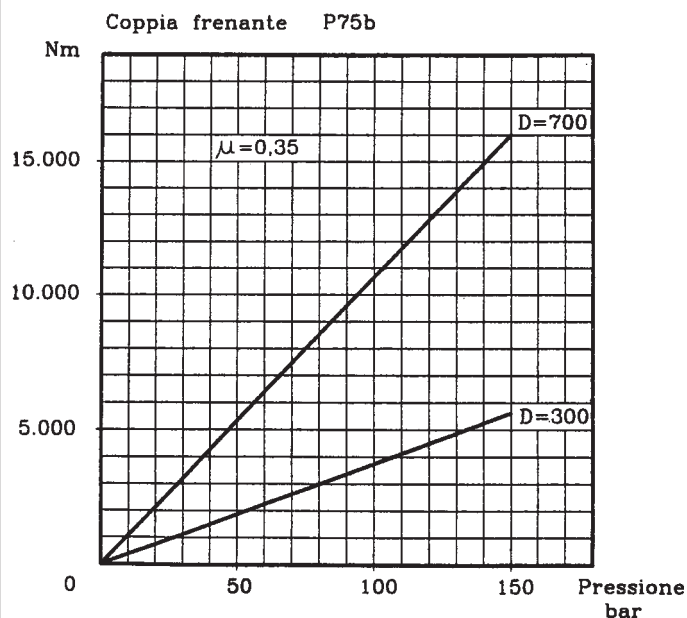
Massa (con pastiglie)
Weight (with pads) **15,6 Kg**

Fluido di azionamento - Actuation fluid:

dis. 20.3100.31

olio minerale - Hydraulic oil

Prestazioni Performances



Ultimo aggiornamento:
ottobre 2001



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Pinza idraulica Hydraulic brake caliper

P4.40a

20.4940.11/21
20.4950.11/21

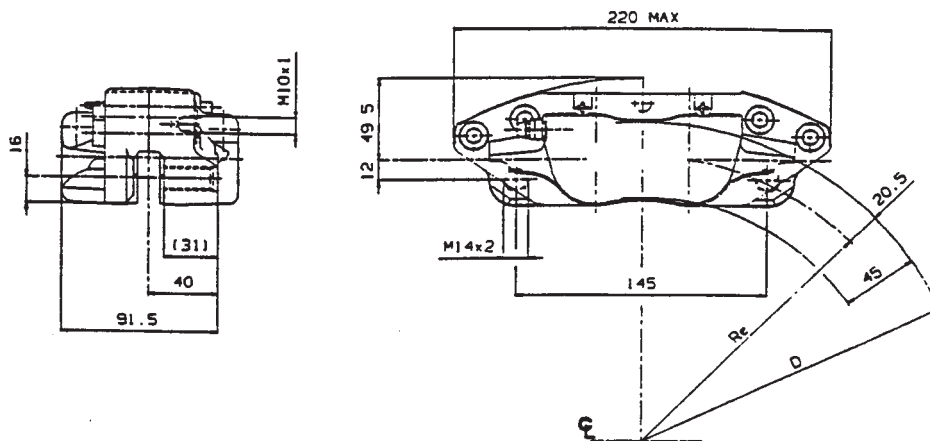


Figura A (.11)



Figura B (.21)



Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **4x40 mm**

Pressione max di funzionamento
Max operating pressure **100 bar**

Numero e superficie pastiglie
Pads number and area **2x44 cm²**

Diametro disco (D)
Disc diameter **da 300 a 500 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **10,1 - 9 mm**

Assorbimento volumetrico a 100 bar
Fluid displacement at 100 bar **1,8 cm³**

Posizione di montaggio
Mounting location **ore 12**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-20,5 mm**

Massa (con pastiglie)
Weight (with pads) **5 Kg**

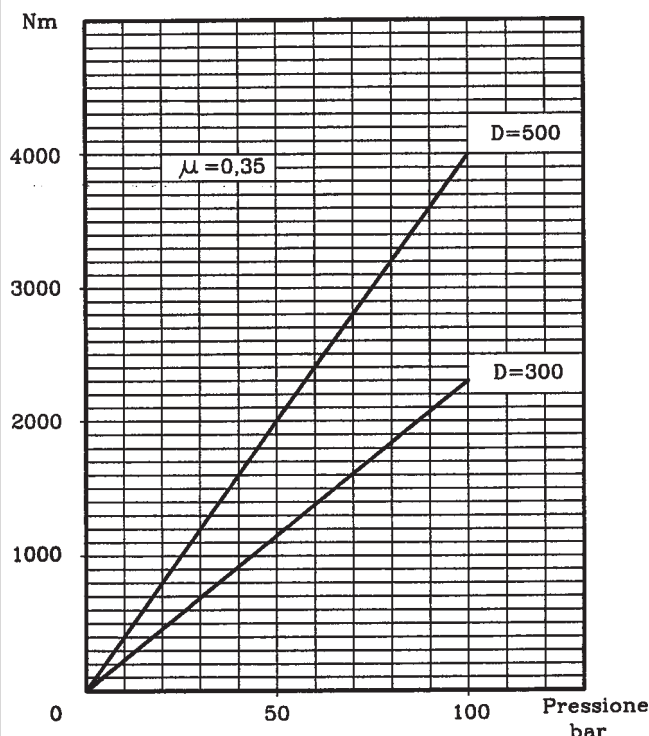
Fluido di azionamento - Actuation fluid:

dis. 20.4940.11/21 liquido freni - **Brake fluid**

dis. 20.4950.11/21 olio minerale - **Hydraulic oil**

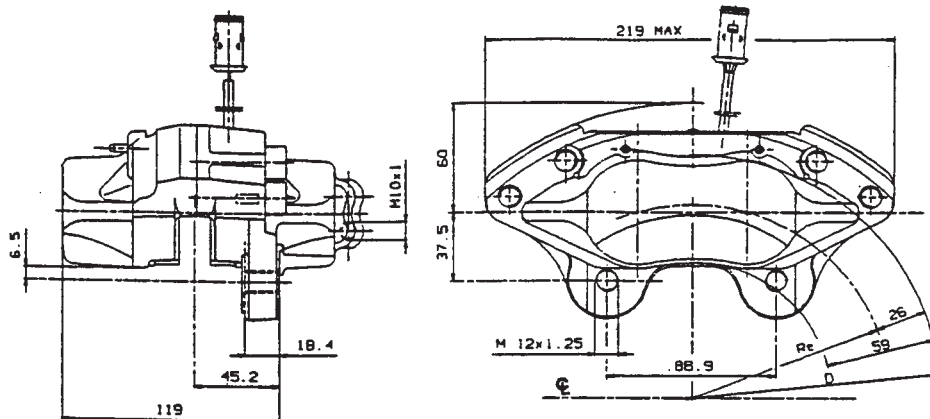
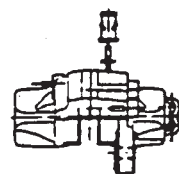
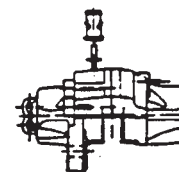
Prestazioni Performances

Coppia frenante P4.40a





Pinza idraulica Hydraulic brake caliper

P4.42**20.4910.12/22****Figura A****Figura B**

Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material

ghisa
cast iron

Numero e diametro pistoni
Pistons number and diameter

4x42 mm

Pressione max di funzionamento
Max operating pressure

100 bar

Numero e superficie pastiglie
Pads number and area

2x59 cm²

Diametro disco (D)
Disc diameter

da 250 a 290 mm

Spessore disco max e min usurato
Disc thickness, max and min worn

14,2 - 12,8 mm

Assorbimento volumetrico a 100 bar
Fluid displacement at 100 bar

2,1 cm³

Posizione di montaggio
Mounting location

ore 9

Raggio efficace (Re)
Effective rolling radius (Re)

(D/2)-26 mm

Versioni
Type

20.4910.12 fig.A

20.4910.22 fig.B

Massa (con pastiglie)
Weight (with pads)

7,5 Kg

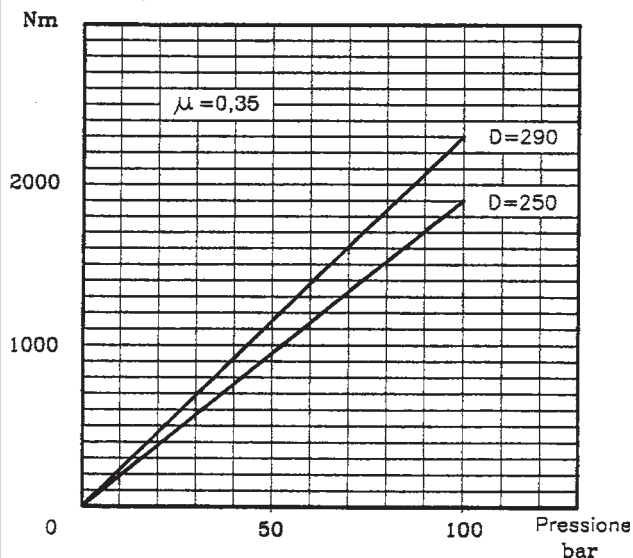
Fluido di azionamento - Actuation fluid:

dis. 20.4910.12/22

Liquido freni - Brake fluid

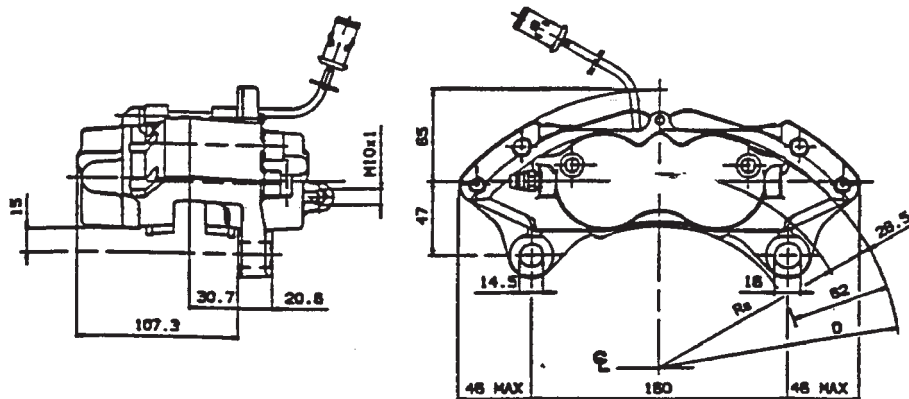
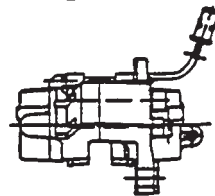
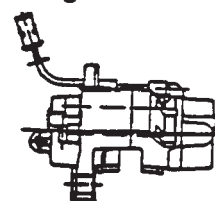
Prestazioni Performances

Coppia frenante P4.42a





Pinza idraulica Hydraulic brake caliper

P4.44**20.5150.10/20****Figura A****Figura B**

Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material

**ghisa
cast iron**

Numero e diametro pistoni
Pistons number and diameter

4x44 mm

Pressione max di funzionamento
Max operating pressure

150 bar

Numero e superficie pastiglie
Pads number and area

2x76 cm²

Diametro disco (D)
Disc diameter

da 270 a 310 mm

Spessore disco max e min usurato
Disc thickness, max and min worn

16,2 - 13 mm

Assorbimento volumetrico a 100 bar
Fluid displacement at 100 bar

3,6 cm³

Posizione di montaggio
Mounting location

ore 3 - 9

Raggio efficace (Re)
Effective rolling radius (Re)

(D/2)-28,5 mm

Massa (con pastiglie)
Weight (with pads)

7,5 Kg

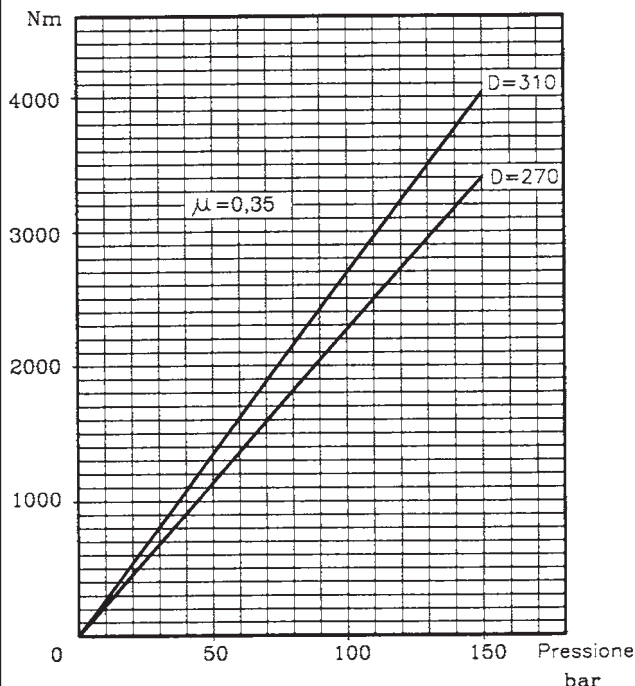
Fluido di azionamento - Actuation fluid:

dis. 20.5150.10/20

liquido freni - Brake fluid

Prestazioni Performances

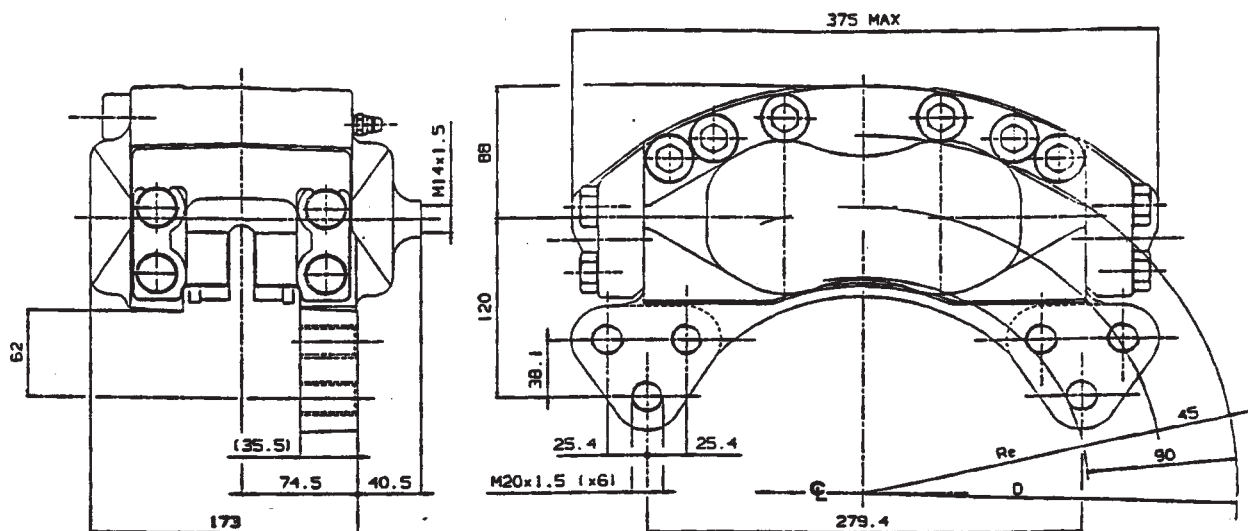
Coppia frenante P4.44



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Pinza idraulica Hydraulic brake caliper

P4.75a
20.2899.13



Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **4x75 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x153 cm²**

Diametro disco (D)
Disc diameter **da 380 a 670 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **13,2 - 11,5 mm**

Assorbimento volumetrico a 150 bar
Fluid displacement at 150 bar **12 cm³**

Posizione di montaggio
Mounting location **ore 3 - 12 - 9**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-45 mm**

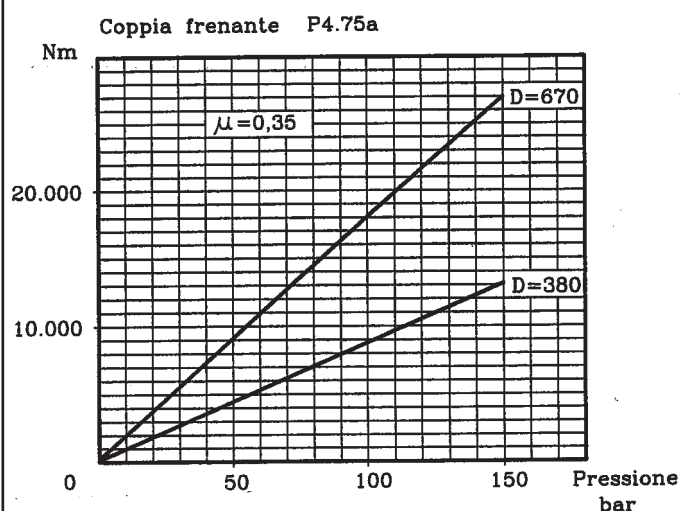
Massa (con pastiglie)
Weight (with pads) **39,2 Kg**

Fluido di azionamento - Actuation fluid:

dis. 20.2899.13

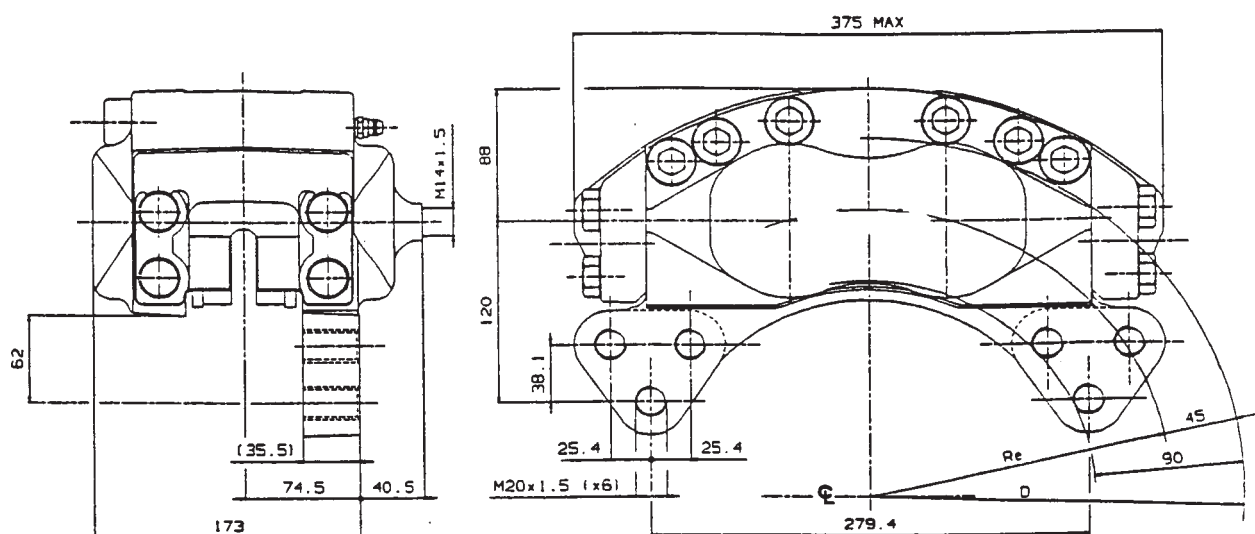
liquido freni - Brake fluid

Prestazioni Performances



ENGINEERED BY
brembo

Pinza idraulica Hydraulic brake caliper



Caratteristiche Tecniche Technical characteristics

Materiale costruzione
Construction material **ghisa**
cast iron

Numero e diametro pistoni
Pistons number and diameter **4x75 mm**

Pressione max di funzionamento
Max operating pressure **150 bar**

Numero e superficie pastiglie
Pads number and area **2x210 cm²**

Diametro disco (D)
Disc diameter **da 380 a 670 mm**

Spessore disco max e min usurato
Disc thickness, max and min worn **16,5 - 14,8 mm**

Assorbimento volumetrico a 100 bar
Fluid displacement at 100 bar **14 cm³**

Posizione di montaggio
Mounting location **ore 3 - 9 - 12**

Raggio efficace (Re)
Effective rolling radius (Re) **(D/2)-45 mm**

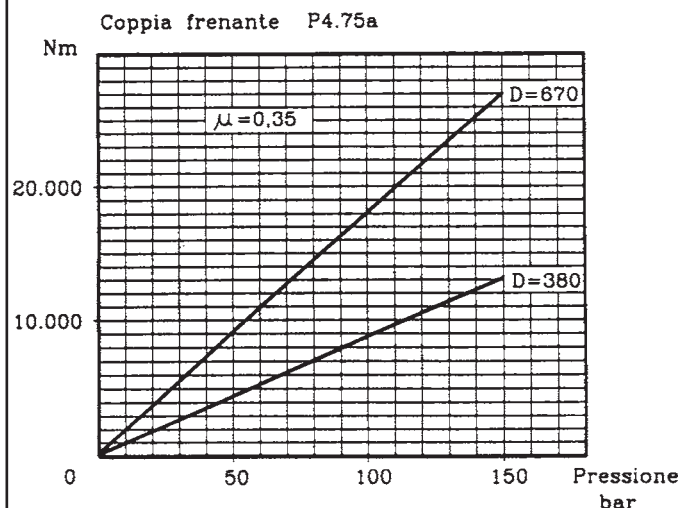
Massa (con pastiglie)
Weight (with pads) **40,7 Kg**

Fluido di azionamento - Actuation fluid:

dis. 20.2899.74 **liquido freni - Brake fluid**

dis. 20.2899.84 **olio minerale - Hydraulic oil**

Prestazioni Performances



RICAMBI PINZE FRENO – Spare parts for brake calipers												
PINZE FRENO	KIT PASTIGLIE	KIT GUARNIZIONI	KIT PERNO	KIT SPURGO	KIT PISTONE	KIT PARAPOL.	KIT MOLLA	KIT CUFFIE	KIT COPERCHIO	KIT PIASTRA	KIT	
Caliper	Lining set	Seal set	Pin set	Bleeder set	Piston set	Rubber boot	Spring set	Casing set	Cover set	Plate set	Spacer set	LAMIERINO
20.2802.01		120.3250.10	120.3248.10	105.3246.11	120.5179.20	105.1502.10						
20.2802.11	107.1710.24	120.3250.10	120.3248.10	105.3246.11	120.5179.20	105.1502.10						
20.2802.15	107.1710.60	120.3250.10	120.3248.10	105.3387.20	120.5179.20	105.1502.10						107.3551.11
20.2802.31	107.1710.24	120.3250.11	120.3248.10	105.3246.11	120.5179.20	105.1502.10						
20.2802.51	107.1710.24	120.3250.10	120.3248.20	105.3246.11	120.5179.10	105.1502.10	120.2782.20					
20.2802.71	107.1710.24	120.3250.11	120.3248.20	105.3246.11	120.5179.10	105.1502.10	120.2782.20					
20.2805.55	107.1710.50	120.3250.10	120.3248.20	105.3246.11	120.5179.10	105.1502.10	120.2782.20					107.3551.11
20.2805.65	107.1710.60	120.3250.10	120.3248.20	105.3246.11	120.5179.10	105.1502.10	120.2782.20					107.3551.11
20.2846.11	107.2850.20	120.3249.12	120.3247.10	105.3246.11	120.2849.20	105.1502.10						
20.2846.31	107.2850.20	120.3249.13	120.3247.10	105.3246.11	120.2849.20	105.1502.10						
20.2846.51	107.2850.20	120.3249.12	120.3847.50	105.3246.11	120.2849.10	105.1502.10	120.2782.10					
20.2846.71	107.2850.20	120.3249.13	120.3847.50	105.3246.11	120.2849.10	105.1502.10	120.2782.10					
20.2899.13	107.4169.17	120.3203.16		105.3794.11	120.5179.40	105.1502.10		120.3560.10		120.3228.10		
20.3100.31	107.1710.24	120.3250.11	120.3248.10	105.3246.11	120.5179.20	105.1502.10						
20.3195.01		120.3203.10	120.3204.10	105.3246.11	120.3198.20	105.1502.10						
20.3195.11	107.3199.20	120.3203.10	120.3204.10	105.3246.11	120.3198.20	105.1502.10						
20.3195.31	107.3199.20	120.3203.11	120.3204.10	105.3246.11	120.3198.20	105.1502.10						
20.3195.51	107.3199.20	120.3203.10	120.3892.15	105.3246.11	120.3198.10	105.1502.10	120.2782.10					
20.3195.71	107.3199.20	120.3203.11	120.3892.15	105.3246.11	120.3198.20	105.1502.10	120.2782.10					
20.4522.11	107.3199.20	120.3203.10	120.3204.10	105.3246.11	120.3198.20	105.1502.10						
20.4522.31	107.3199.20	120.3203.11	120.3204.10	105.3246.11	120.3198.20	105.1502.10						
20.2899.74	107.4193.50	120.3203.16		105.3794.11	120.5179.40	105.1502.10		120.3560.10		120.3228.12		
20.2899.84	107.4193.50	120.3203.24		105.3794.11	120.5179.40	105.1502.10		120.3560.10		120.3228.12		
20.4940.11	107.4943.11	120.3203.21	120.3892.20	105.2812.13	120.3888.60							
20.4940.21	107.4943.11	120.3203.21	120.3892.20	105.2812.13	120.3888.60							
20.4950.11	107.4943.11	120.3203.53	120.3892.20	105.2812.13	120.3888.60							
20.4950.21	107.4943.11	120.3203.53	120.3892.20	105.2812.13	120.3888.60							
20.4960.11	107.4943.11	120.3203.52	120.3892.25	105.2812.13	120.3888.60							
20.4960.21	107.4943.11	120.3203.52	120.3892.25	105.2812.13	120.3888.60							
20.4910.12	107.4146.45	120.3203.14	220.3204.14	105.3246.16	120.4909.10			120.3905.10				
20.4910.22	107.4146.45	120.3203.14	220.3204.14	105.3246.16	120.4909.10			120.3905.10				
20.3662.50	107.2850.20	120.3249.12	120.3247.50	105.3246.11	120.2849.10	105.1502.10	120.2782.10					
20.2945.12	107.4183.20	120.2741.40	120.2742.10	105.3387.20	120.2252.20	105.1502.10						
20.5150.10	107.4146.57	120.3203.20	122.4839.70	105.3246.12	120.4909.20		120.5158.10					
20.5150.20	107.4146.57	120.3203.20	122.4839.70	105.3246.12	120.4909.20		120.5158.10					
20.5161.50	107.2686.32	120.2799.10	120.2800.10	105.2087.12	120.2679.20	105.1502.10			120.2688.10			
20.3556.40	107.4183.20	120.2741.10	120.2742.10	105.3387.10	120.2252.20	105.1502.10			120.3254.10			