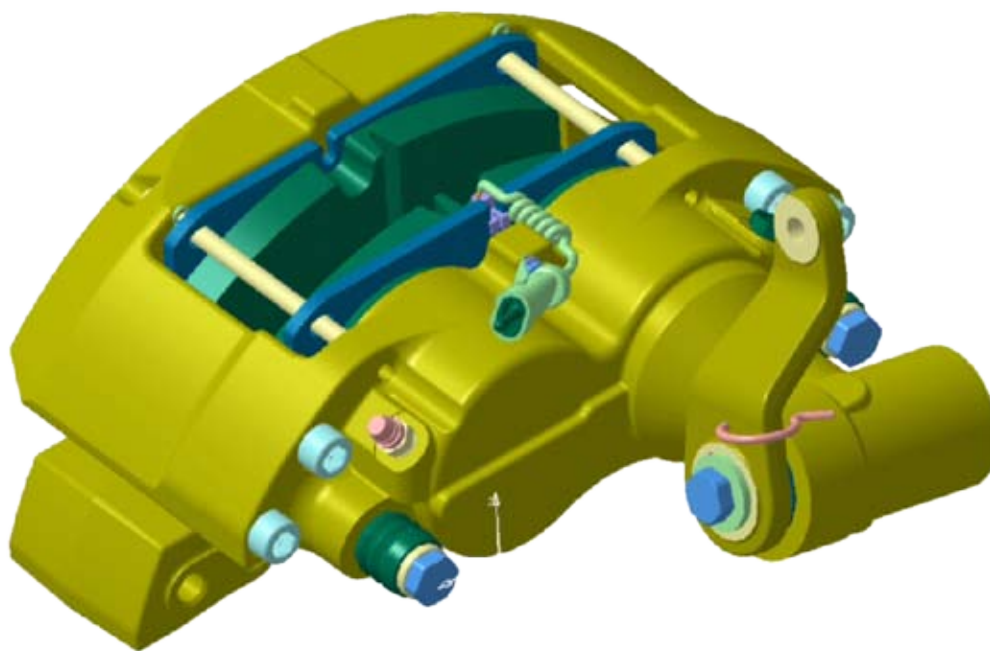
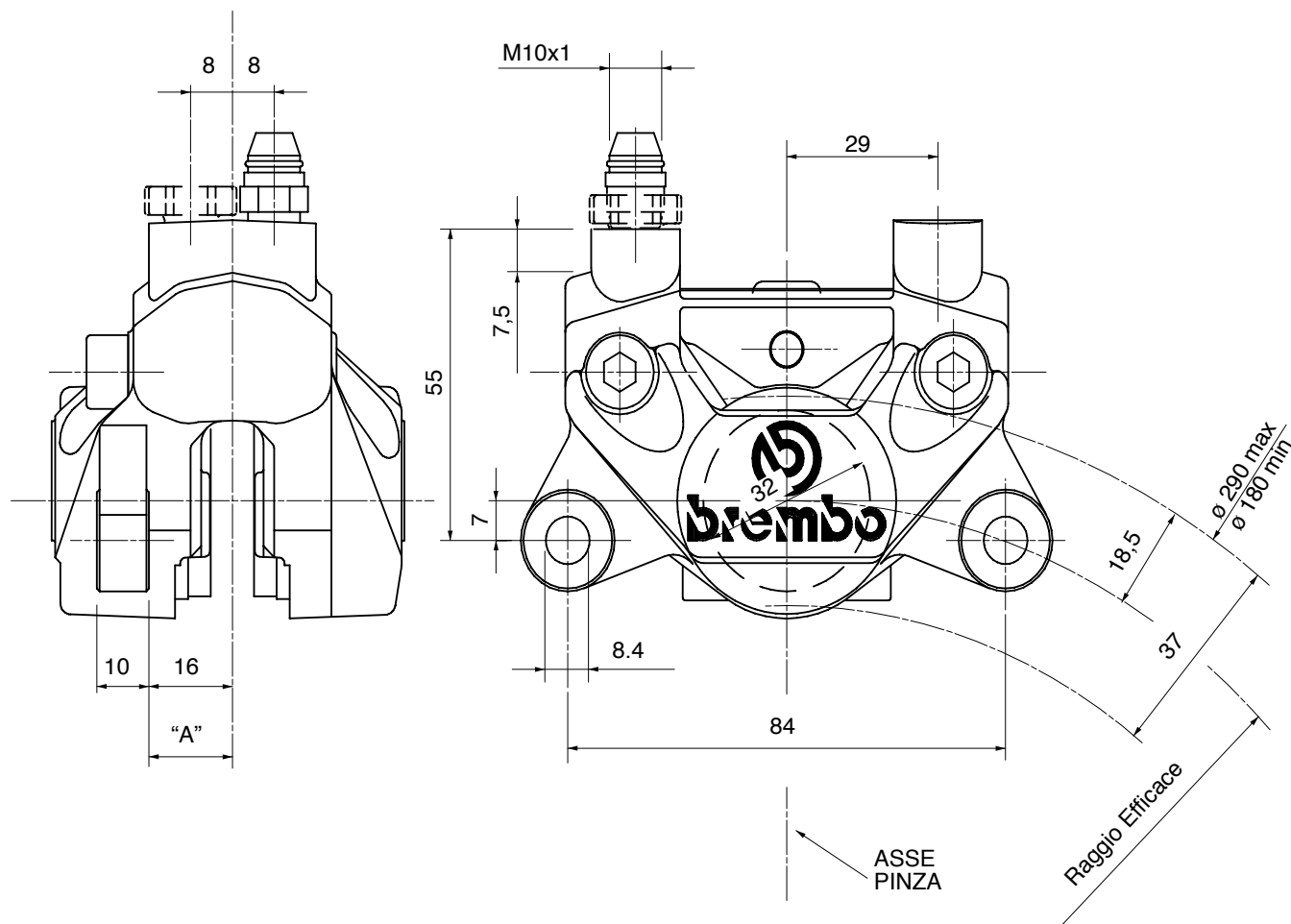


**CATALOGO
CATALOGUE**

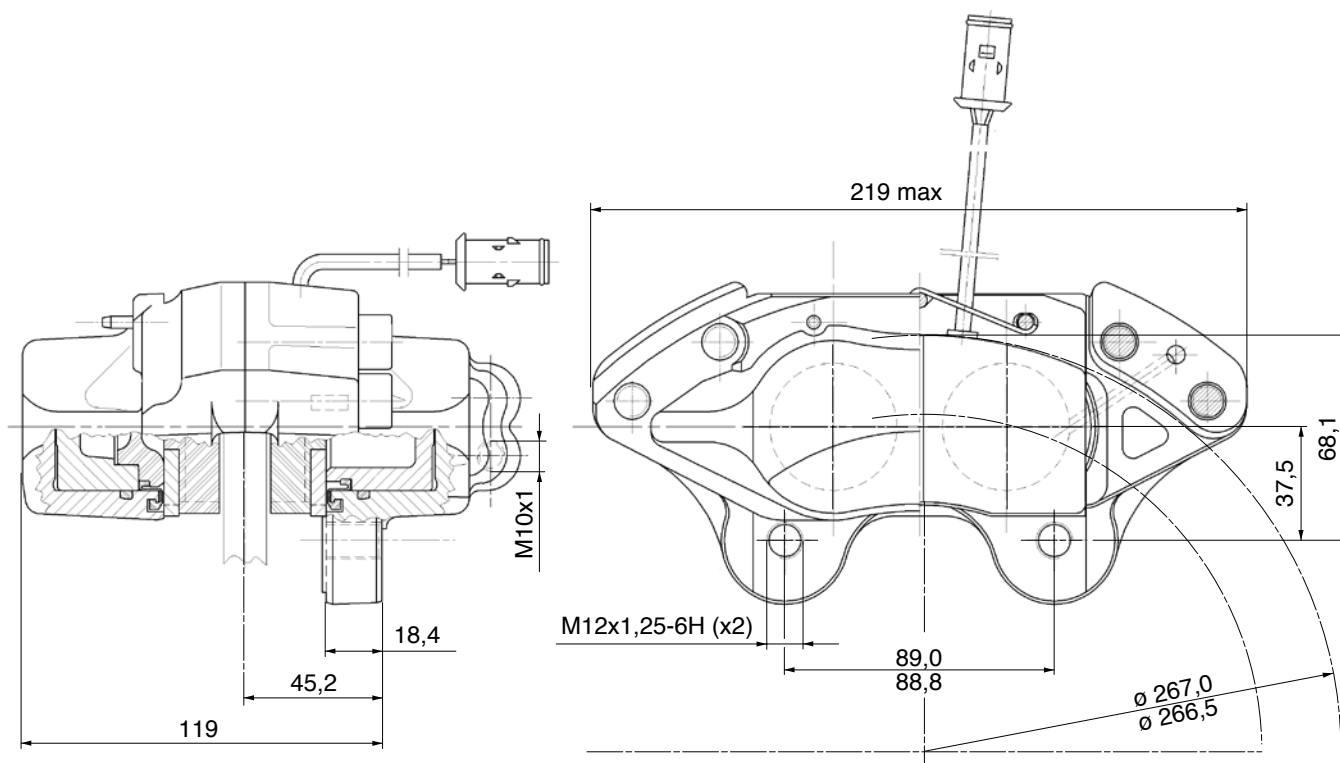


**FRENI A DISCO
PER APPLICAZIONI INDUSTRIALI
DISC BRAKES
*FOR INDUSTRIAL APPLICATIONS***

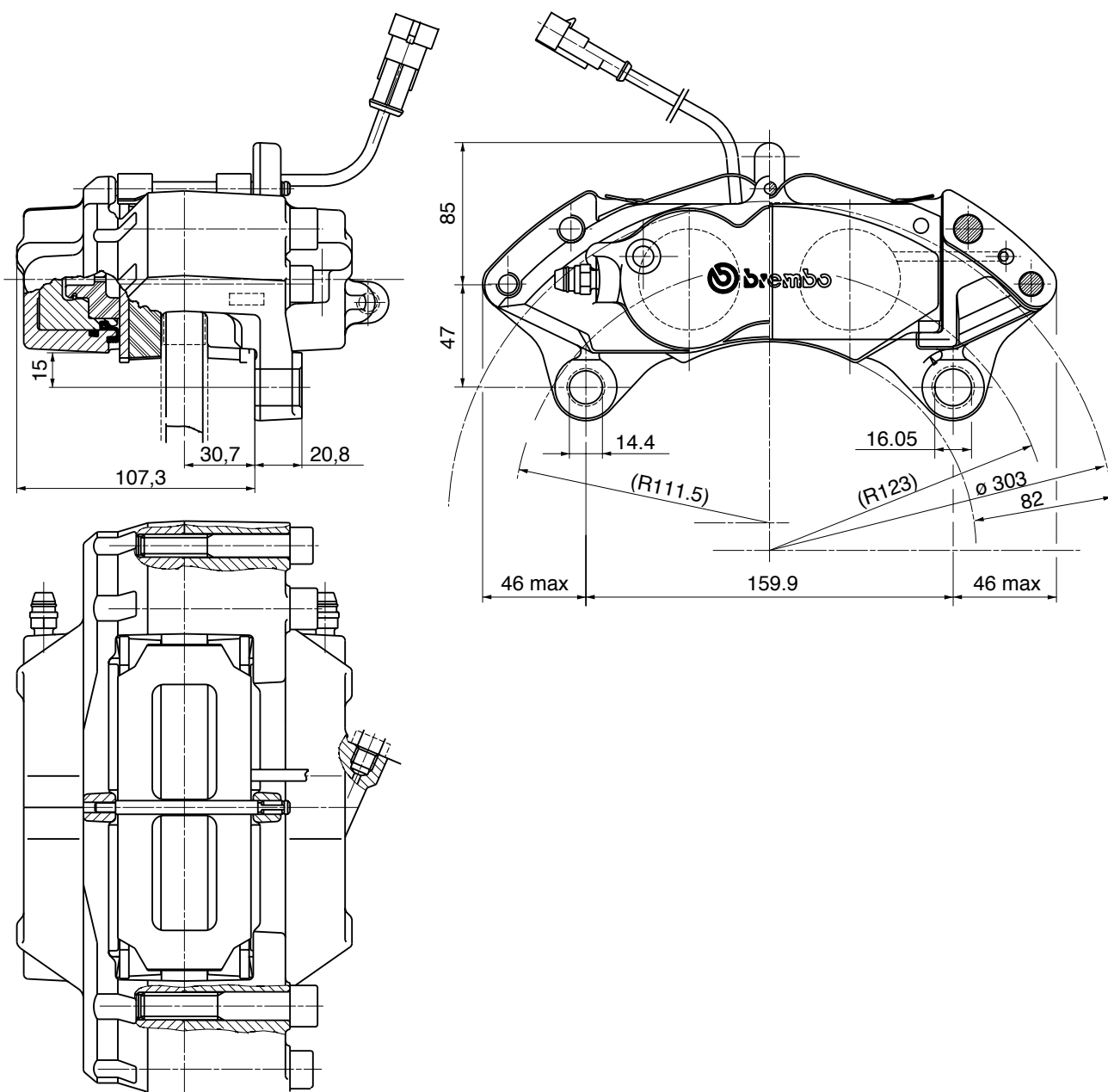
COD	DESCRIZIONE	DESCRIPTION	PAGE
P32F	PINZA FRENO	<i>BRAKE CALIPER</i>	2
P2108N	PINZA FRENO IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	3
P4.42a	PINZA FRENO IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	4
P4.44	PINZA FRENO IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	5
ø 267	DISCO FRENO	<i>DISC BRAKE</i>	6
P4.44	PINZA IDRAULICA	<i>HYDRAULIC CALIPER</i>	7
ø 280	DISCO FRENO	<i>DISC BRAKE</i>	8
P4x60	PINZA IDRAULICA	<i>HYDRAULIC CALIPER</i>	9
PF2x44	PINZA IDRAULICA	<i>HYDRAULIC CALIPER</i>	10
ø 290	DISCO FRENO	<i>DISC BRAKE</i>	11
PF2x44	PINZA IDRAULICA ASSALE POSTERIORE	<i>HYDRAULIC CALIPER REAR AXLE</i>	12
ø 289	DISCO FRENO	<i>DISC BRAKE</i>	13
D.I.H	PIATTO COMPLETO Ø 172	<i>DRUM IN HAT Ø 172</i>	14
PF2x52	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	15
ø 290	DISCO FRENO	<i>DISC BRAKE</i>	16
PF2x46	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	17
D.I.H	PIATTO COMPLETO Ø 190	<i>DRUM IN HAT Ø 190</i>	18
PF46/52	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	19
PFC1.52	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	20
ø 276	DISCO FRENO	<i>DISC BRAKE</i>	21
PF2.60	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	22
PFC2.60	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	23
ø 304	DISCO FRENO	<i>DISC BRAKE</i>	24
PF2.68	PINZA FRENO	<i>HYDRAULIC BRAKE CALIPER</i>	25
ø 322	DISCO FRENO	<i>DISC BRAKE</i>	26
PFC2.68	PINZA IDRAULICA	<i>HYDRAULIC BRAKE CALIPER</i>	27



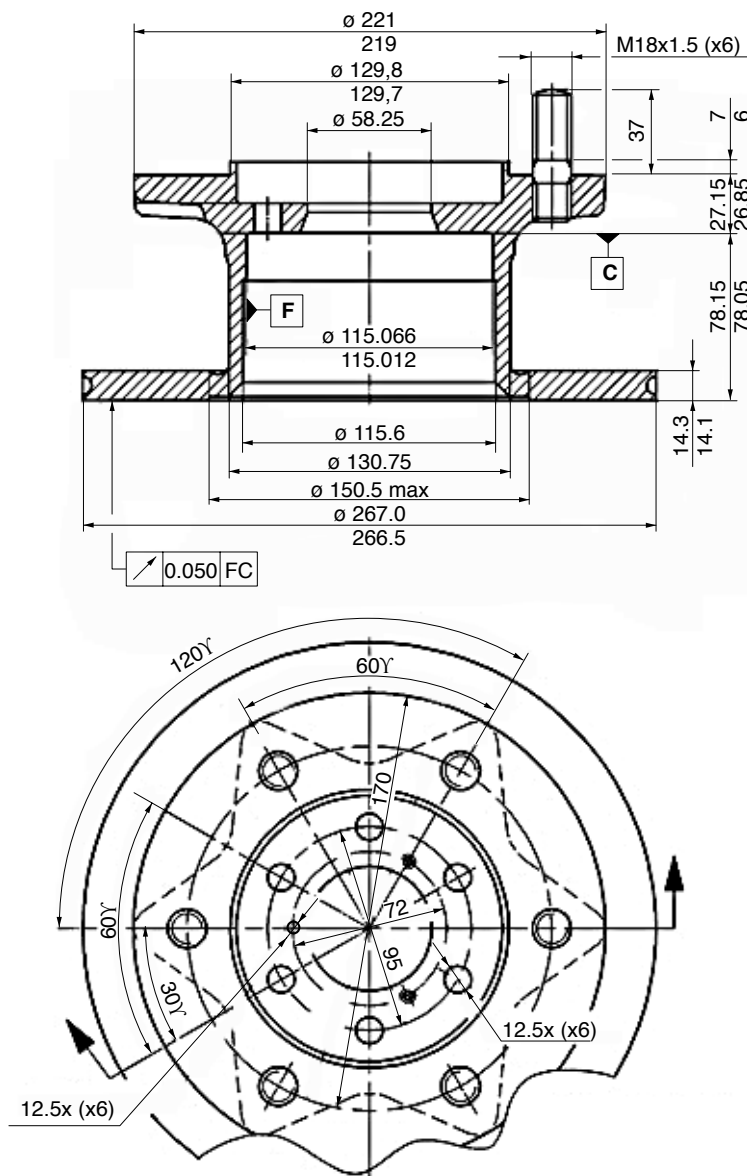
DATI TECNICI • TECHNICAL DATA		
Diametro pistoni	<i>Piston diameter</i>	2X32 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	100 bar
Superficie pastiglie	<i>Pads area</i>	2X12 cm²
Diametro disco	<i>Disc diameter</i>	(D) da 150 a 290 mm
Spessore disco Max. e Min. usurato	<i>Disc thickness,Max.and Min. worn</i>	7± 5.6
Posizione di montaggio	<i>Mounting location</i>	h 12
Raggio efficace (Re)	<i>Effective rolling radius Re</i>	(D/2) – 18,5 mm
Fluido di azionamento	<i>Actuation fluid</i>	DOT3-DOT4
Assorbimento volumetrico a 100 bar	<i>Fluid displacement at 100 bar</i>	0,85 cm³
Peso	<i>Weight</i>	


DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	4x42 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2X59 cm²
Diametro disco	<i>Disc diameter</i>	(D) da 250 a 290 mm
Spessore disco Max. e Min. usurato	<i>Disc thickness, Max. and Min. worn</i>	14,2 ±12,8 mm
Cerchio min. di montaggio	<i>Mounting wheel diameter</i>	16 in
Assorbimento volumetrico a 150 bar	<i>Fluid displacement at 15 bar</i>	2,1 cm²
Posizione di montaggio	<i>Mounting location</i>	h 3 - 9
Raggio efficace (Re)	<i>Effective rolling radius</i>	(D/2) - 26 mm
Fluido di azionamento	<i>Actuation fluid</i>	DOT3 - DOT4
Peso	<i>Weight</i>	

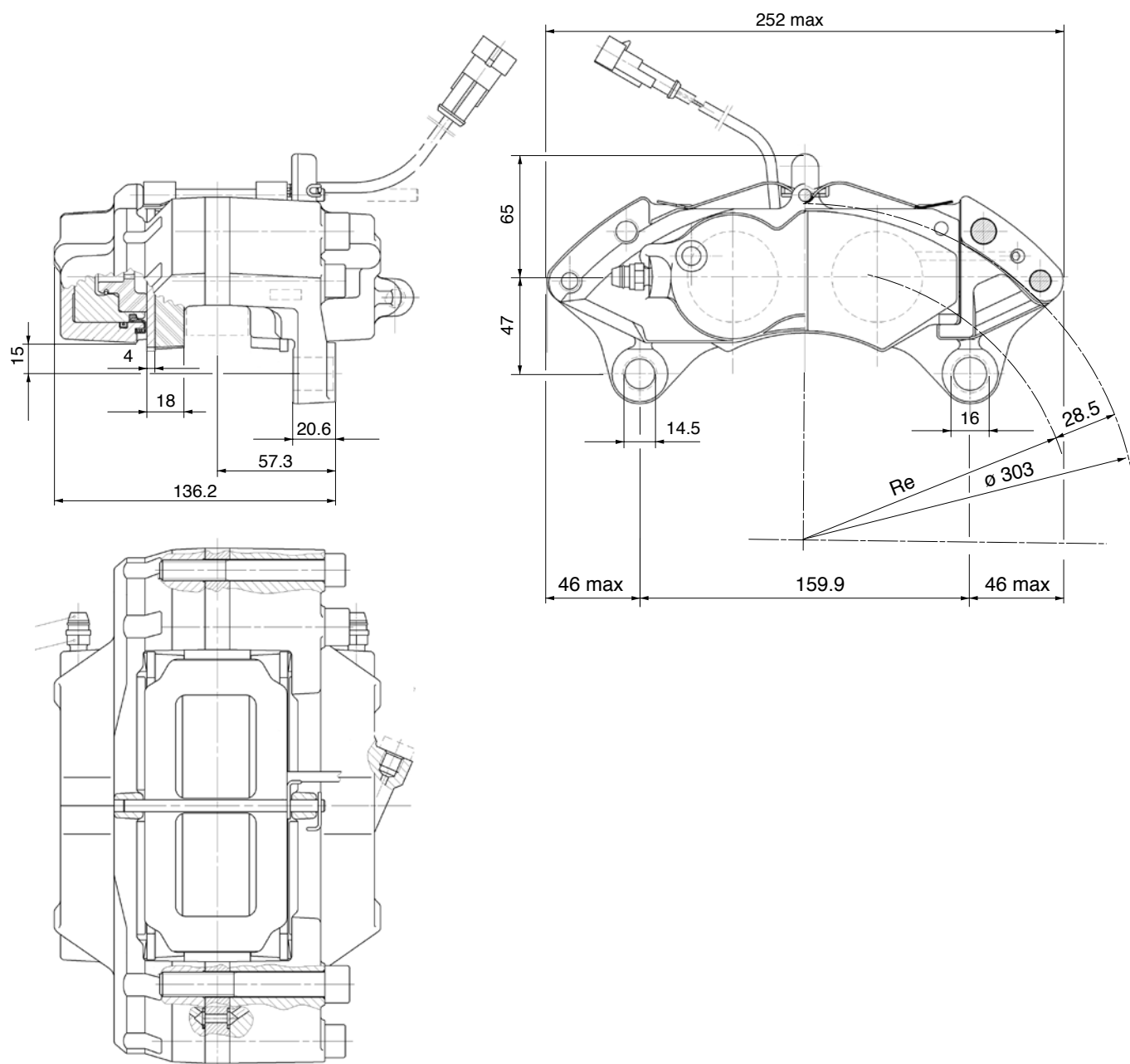

DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	4x44 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2X76 cm²
Diametro disco	<i>Disc diameter</i>	(D) da 270 a 310 mm
Spessore disco Max. e Min. usurato	<i>Disc thickness, Max. and Min. worn</i>	16,2 ±13 mm
Cerchio min. di montaggio	<i>Mounting wheel diameter</i>	16 in
Assorbimento volumetrico a 150 bar	<i>Fluid displacement at 15 bar</i>	3,6 cm³
Posizione di montaggio	<i>Mounting location</i>	h 3 - 9
Raggio efficace (Re)	<i>Effective rolling radius</i>	(D/2) – 28.5 mm
Fluido di azionamento	<i>Actuation fluid</i>	DOT3 – DOT4
Peso	<i>Weight</i>	

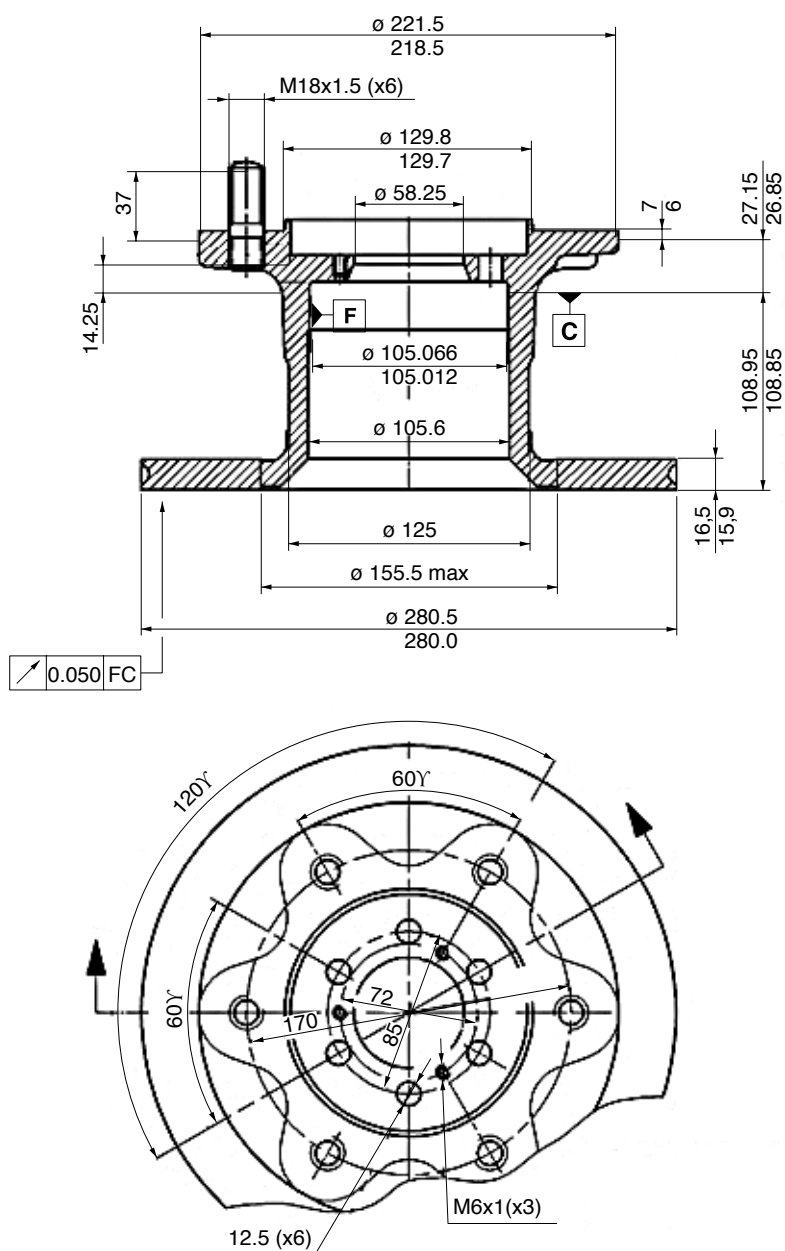


DATI TECNICI • TECHNICAL DATA

Lato Montaggio	Mounting face	min th 12.8 mm
Peso	Weight	10.4 kg

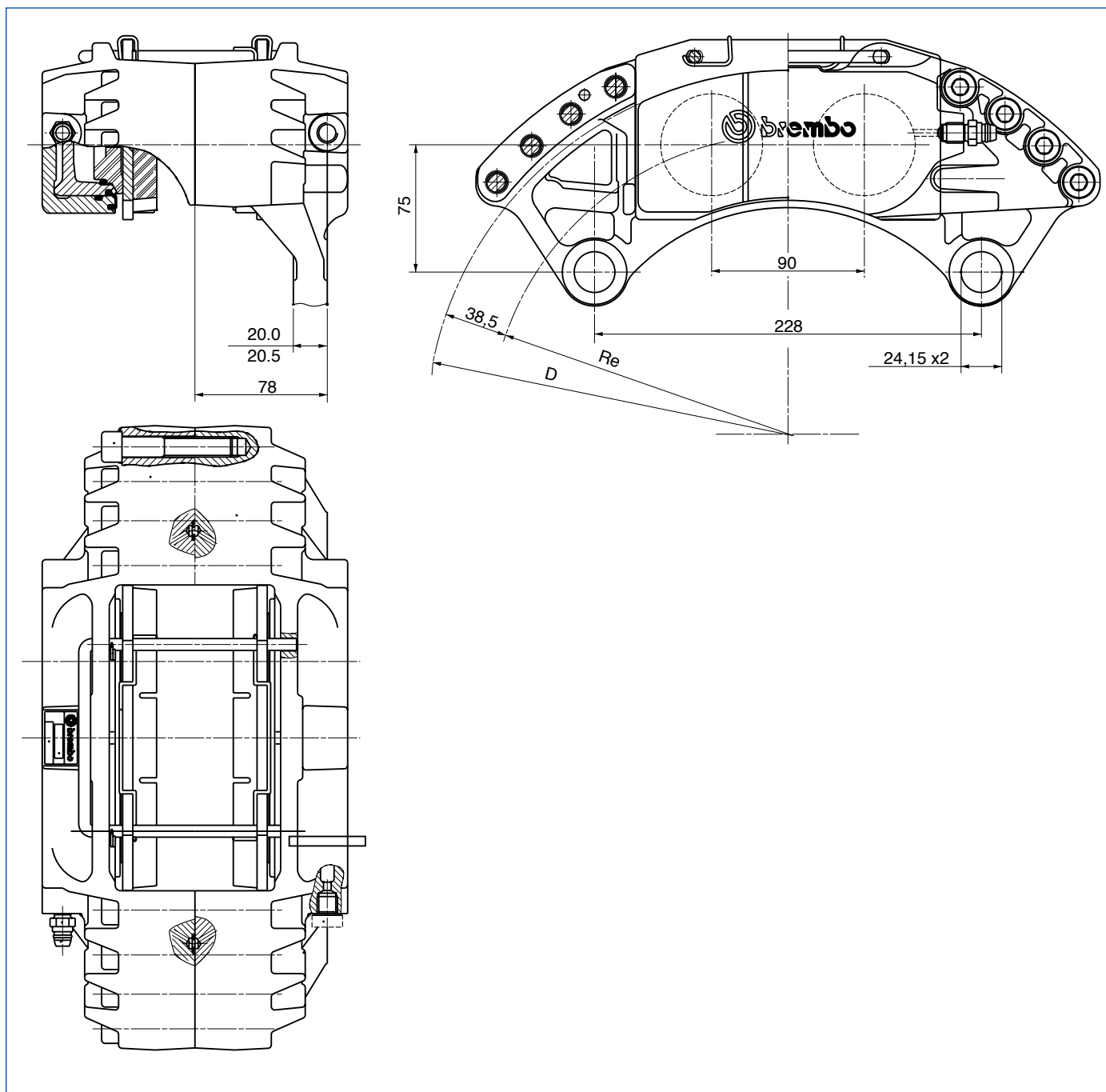

DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	4x44 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2x76 cm²
Diametro disco	<i>Disc diameter</i>	303 mm
Spessore disco	<i>Disc thickness</i>	28 mm
Posizione di montaggio	<i>Mounting location</i>	16 in
Raggio efficace (Re)	<i>Effective rolling radius</i>	(D/2) – 28.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	4250 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	7,5 kg

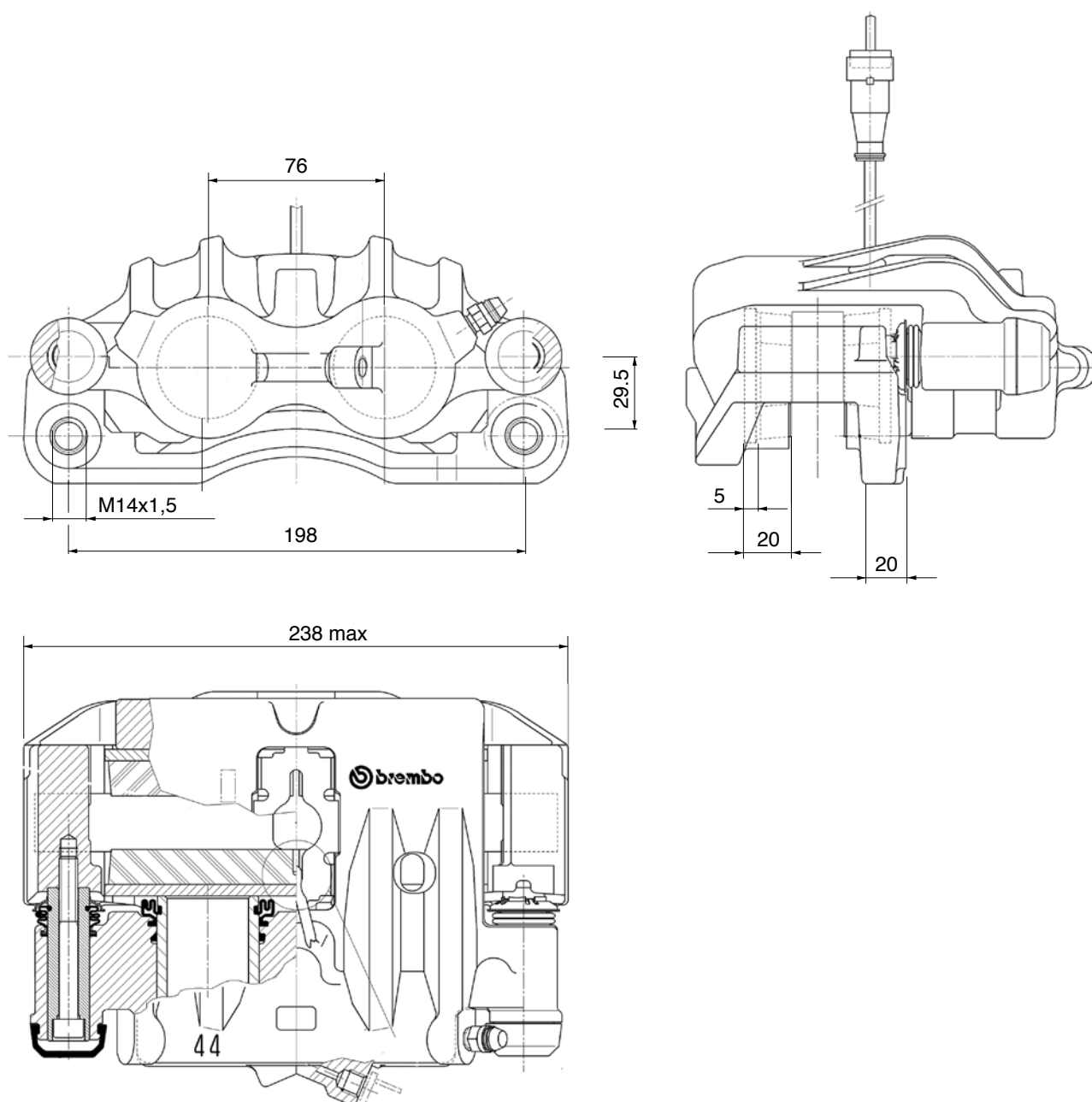


DATI TECNICI • TECHNICAL DATA

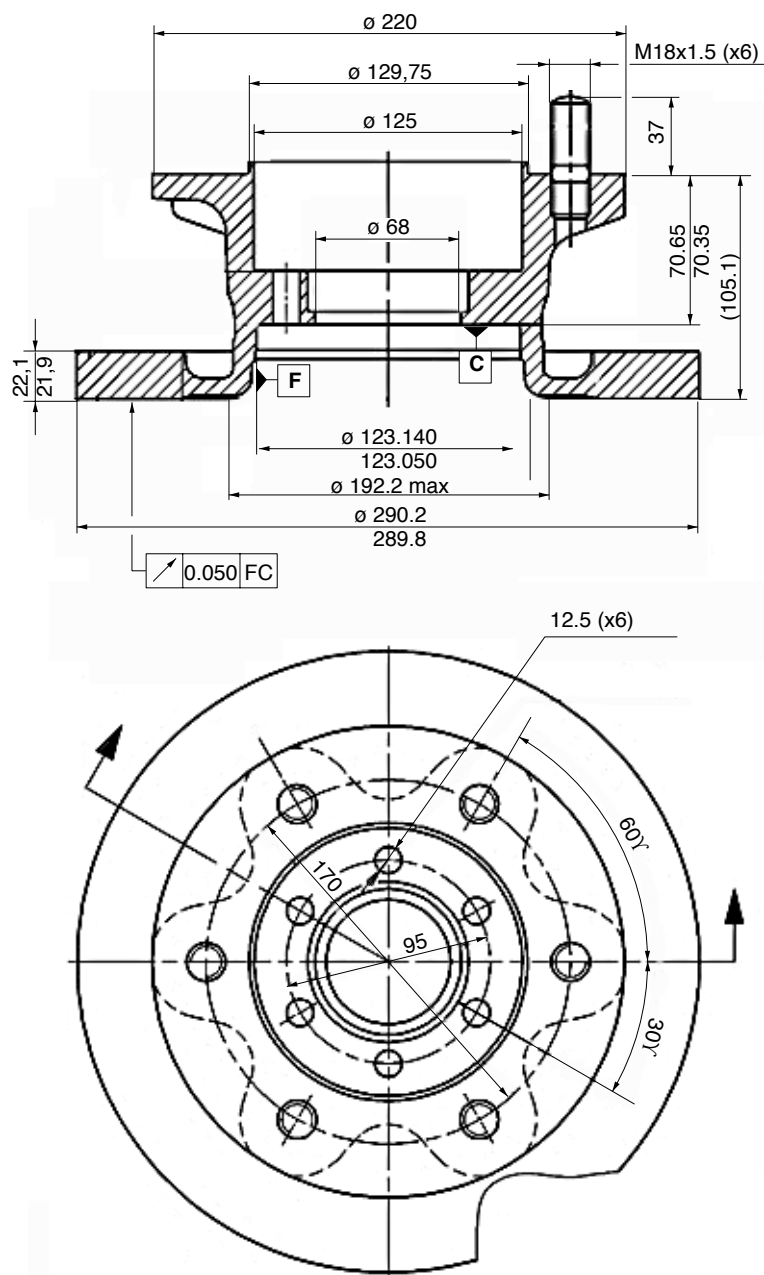
Lato montaggio	Mounting face	min th 14.5 mm
Peso	Weight	13.3 kg


DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	4x60 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	42 mm
Diametro disco	<i>Disc diameter</i>	2x128 cm²
Spessore disco	<i>Disc thickness</i>	410 mm
Posizione di montaggio	<i>Mounting location</i>	22 in
Raggio effettivo (Re)	<i>Effective radius (Re)</i>	(D/2) – 38.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	20000 X2 Calipers Nm
Fluido di azionamento	<i>Actuation fluid</i>	DOT3 – DOT4
Peso	<i>Weight</i>	18 kg

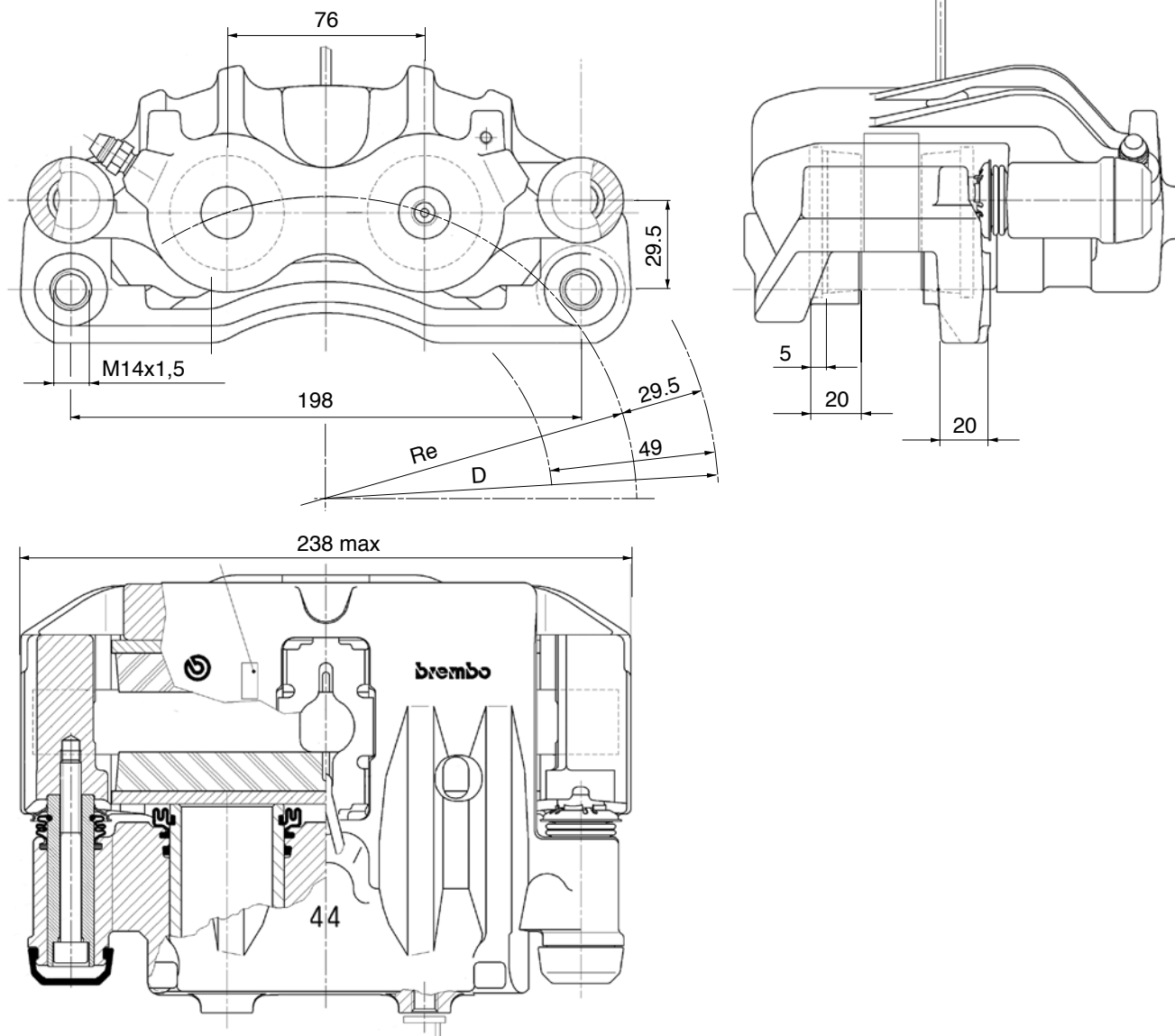

DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	2X44 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2x69 cm²
Diametro disco	<i>Disc diameter</i>	290 mm
Spessore disco	<i>Disc thickness</i>	22 mm
Posizione di montaggio	<i>Mounting location</i>	16 in
Raggio efficace (Re)	<i>Effective radius (Re)</i>	(D/2) – 24.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	3180 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	8,9 kg

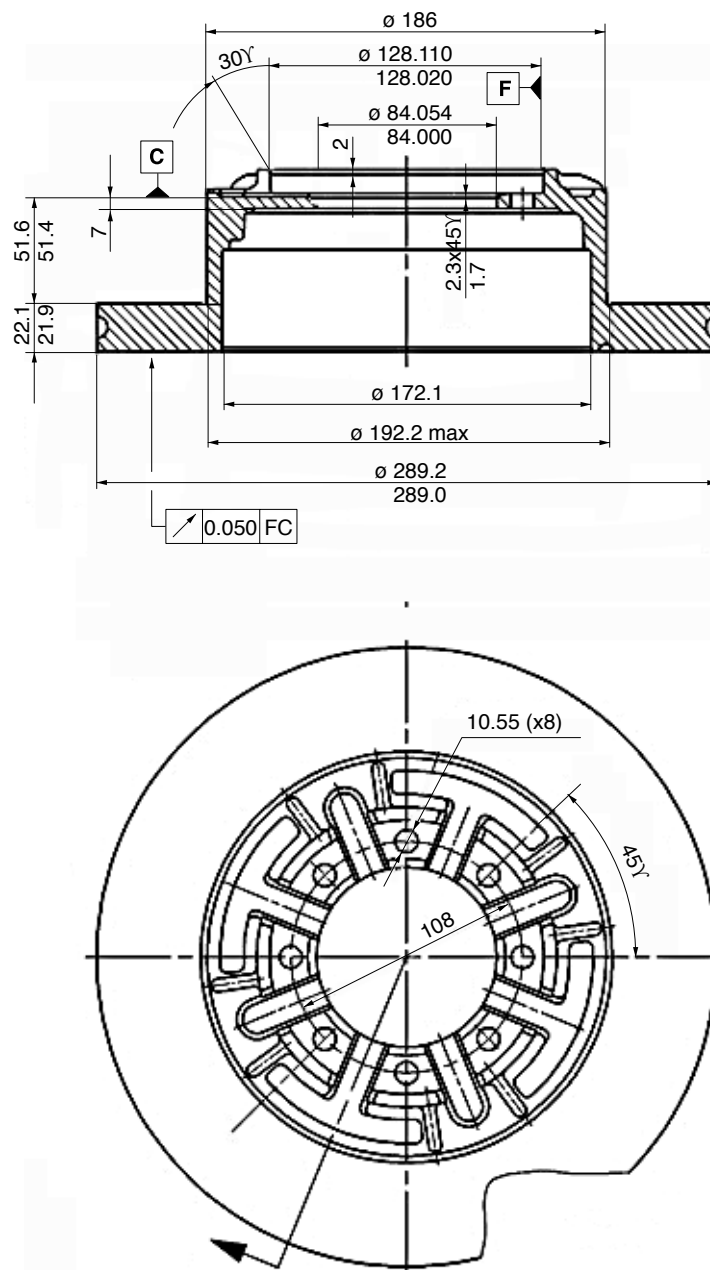


DATI TECNICI • TECHNICAL DATA

Lato montaggio	Mounting face	min th 19 mm
Peso	Weight	14.5 kg

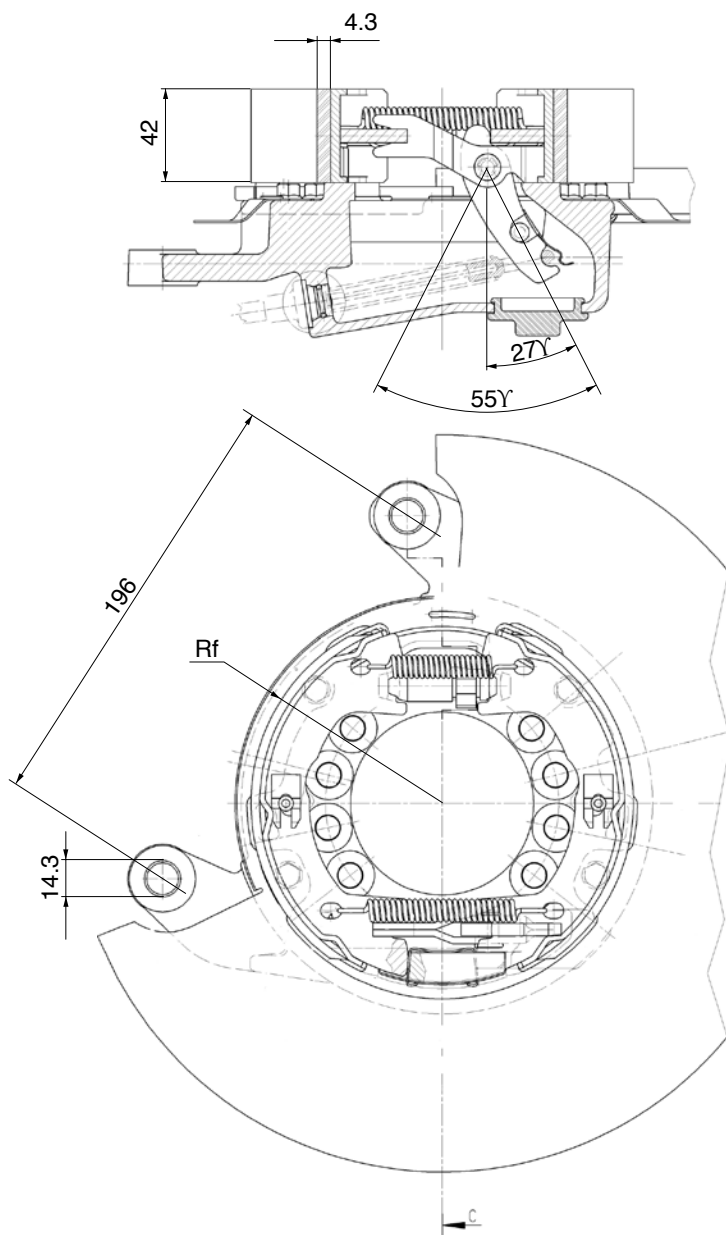

DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	2X44 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2x69 cm²
Diametro disco	<i>Disc diameter</i>	290 mm
Spessore disco	<i>Disc thickness</i>	22 mm
Cerchio Min. di montaggio	<i>Mounting wheel diameter</i>	16 in
Raggio efficace (Re)	<i>Effective radius (Re)</i>	(D/2) – 24.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	3180 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	8,8 kg

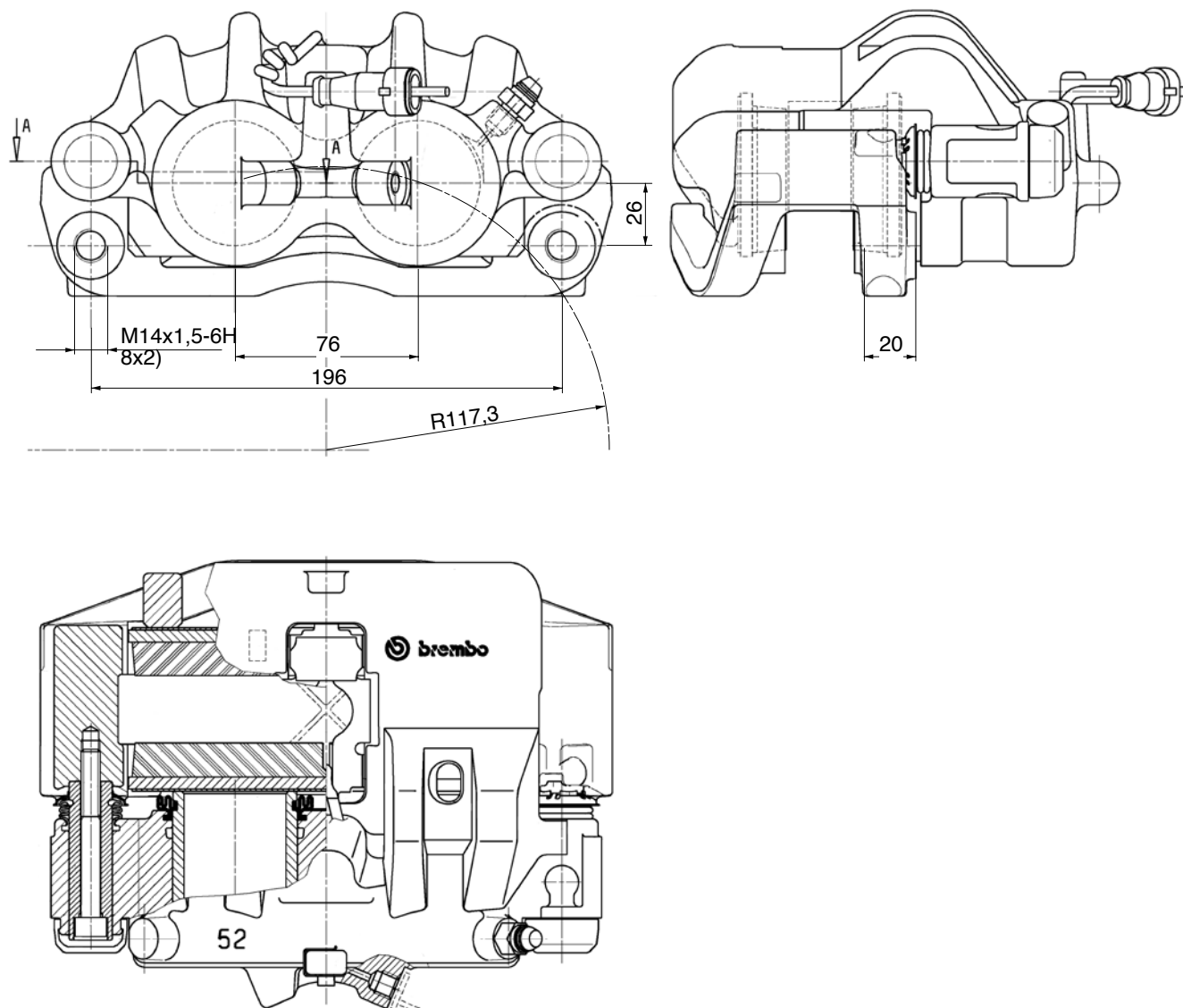


DATI TECNICI • TECHNICAL DATA

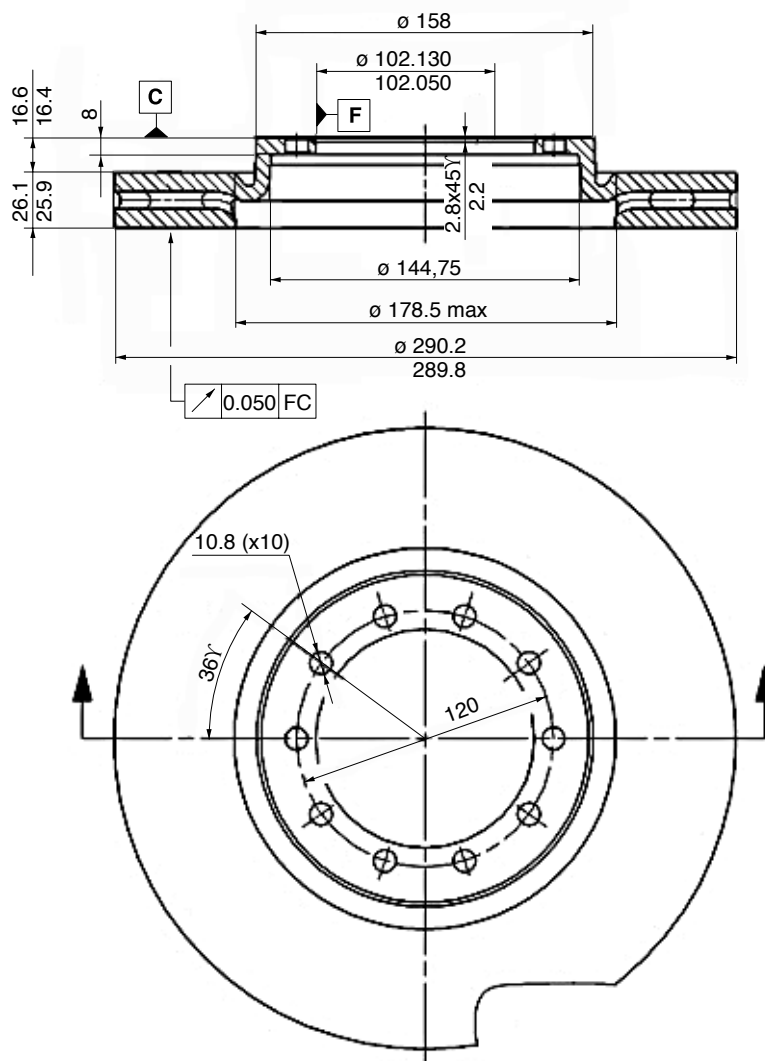
Lato montaggio	Mounting face	min th 19 mm
Peso	Weight	9.5 kg


DATI TECNICI • TECHNICAL DATA

Carico max sulla leva freno	Cable load on lever	FL = 1560 max N
Raggio del tamburo	Drum radius	RT = 86 mm
Numero ganasce e area	Shoe number and area	2x81 cm²
Corsa max con 1560 N	Lever travel with a 1560 N load	CL = 20 max mm
Coppia max con tiro alla leva freno di 1560 N	Parking torque ($\mu=0.32$) with a lever load of 1560 N	2350 Nm
Peso	Weight	4,2 kg

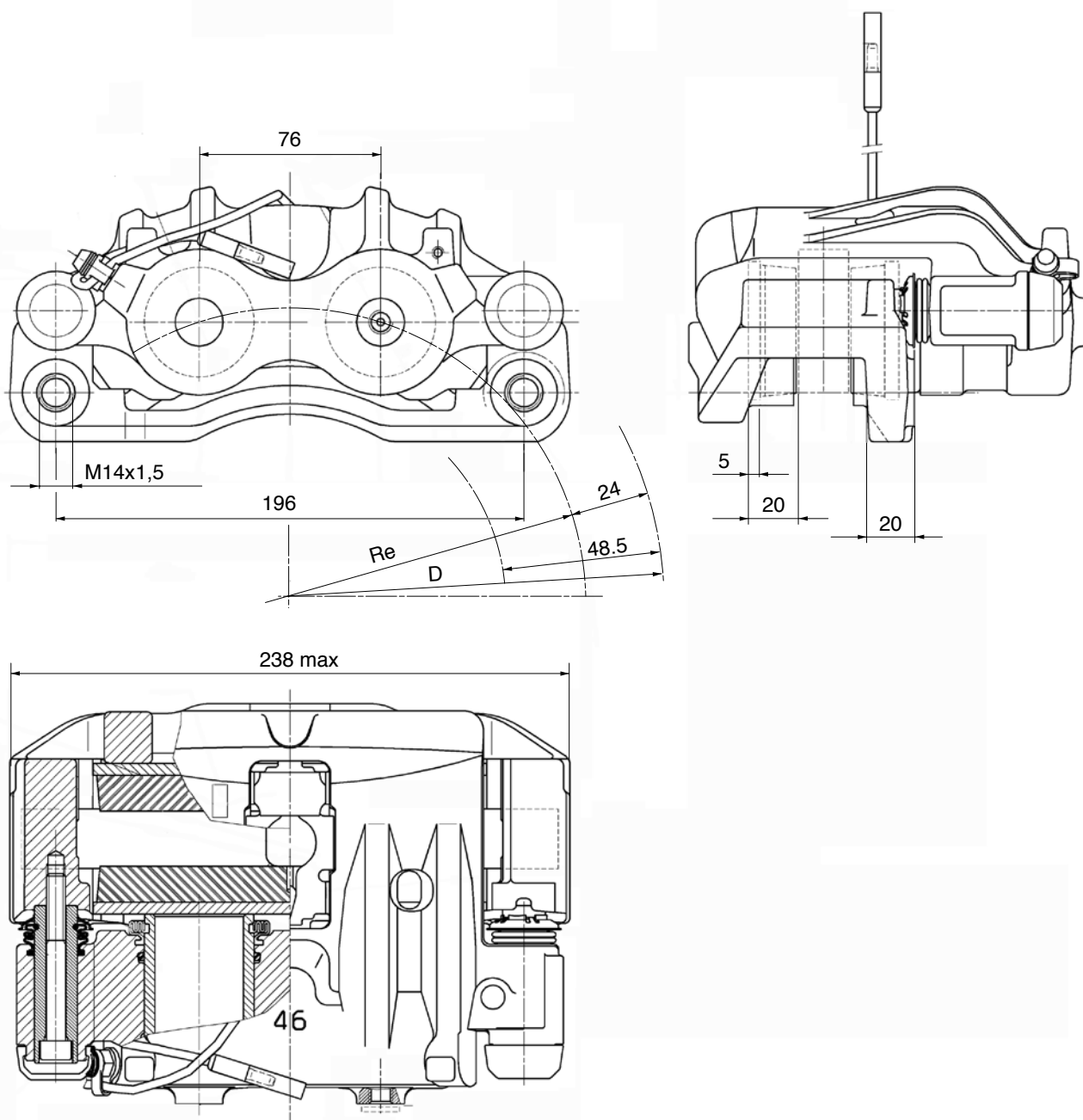

DATI TECNICI • TECHNICAL DATA

Diametro pistoni	<i>Piston diameter</i>	2X52 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2x78.5 cm²
Diametro disco	<i>Disc diameter</i>	290 mm
Spessore disco	<i>Disc thickness</i>	26 mm
Cerchio Min. di montaggio	<i>Mounting wheel diameter</i>	16 in
Raggio effettivo (Re)	<i>Effective radius (Re)</i>	(D/2) – 27.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	4320 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	9,8 kg

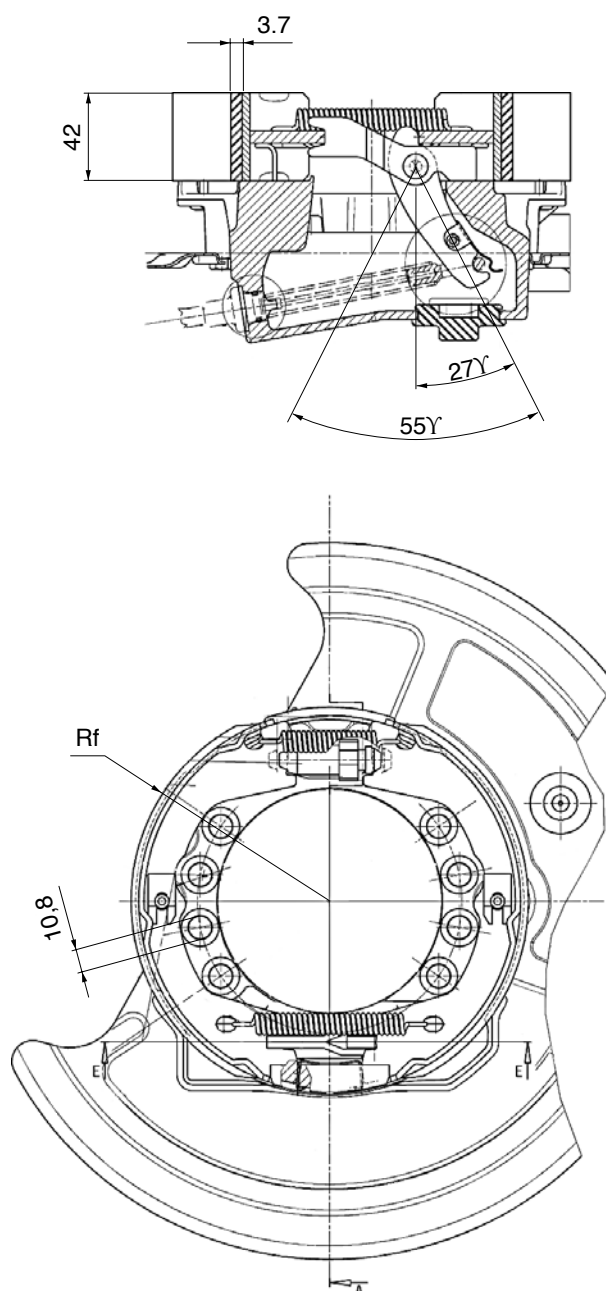


DATI TECNICI • TECHNICAL DATA

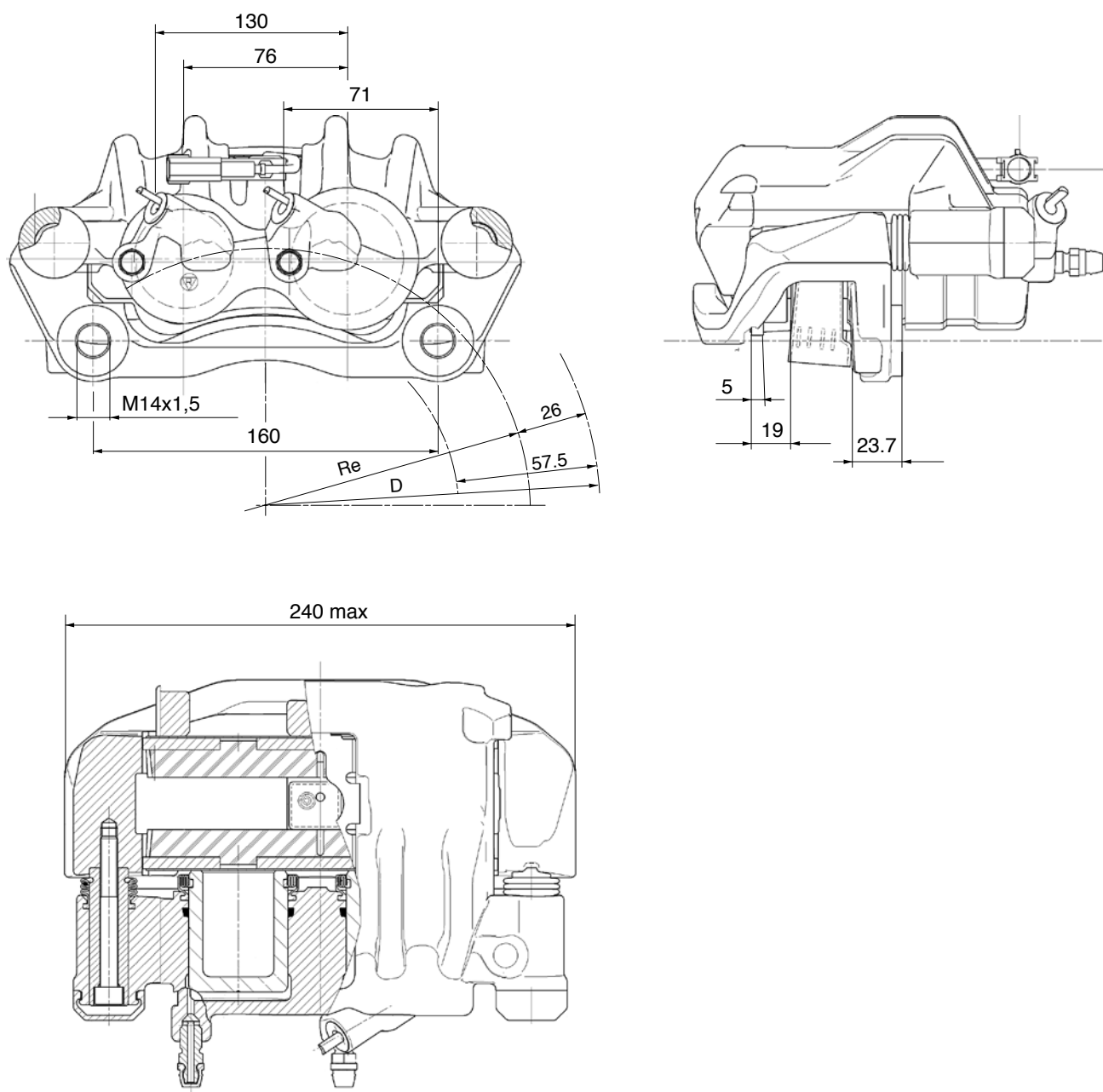
Lato montaggio	Mounting face	min th 23 mm
Peso	Weight	7.5 kg


DATI TECNICI • TECHNICAL DATA

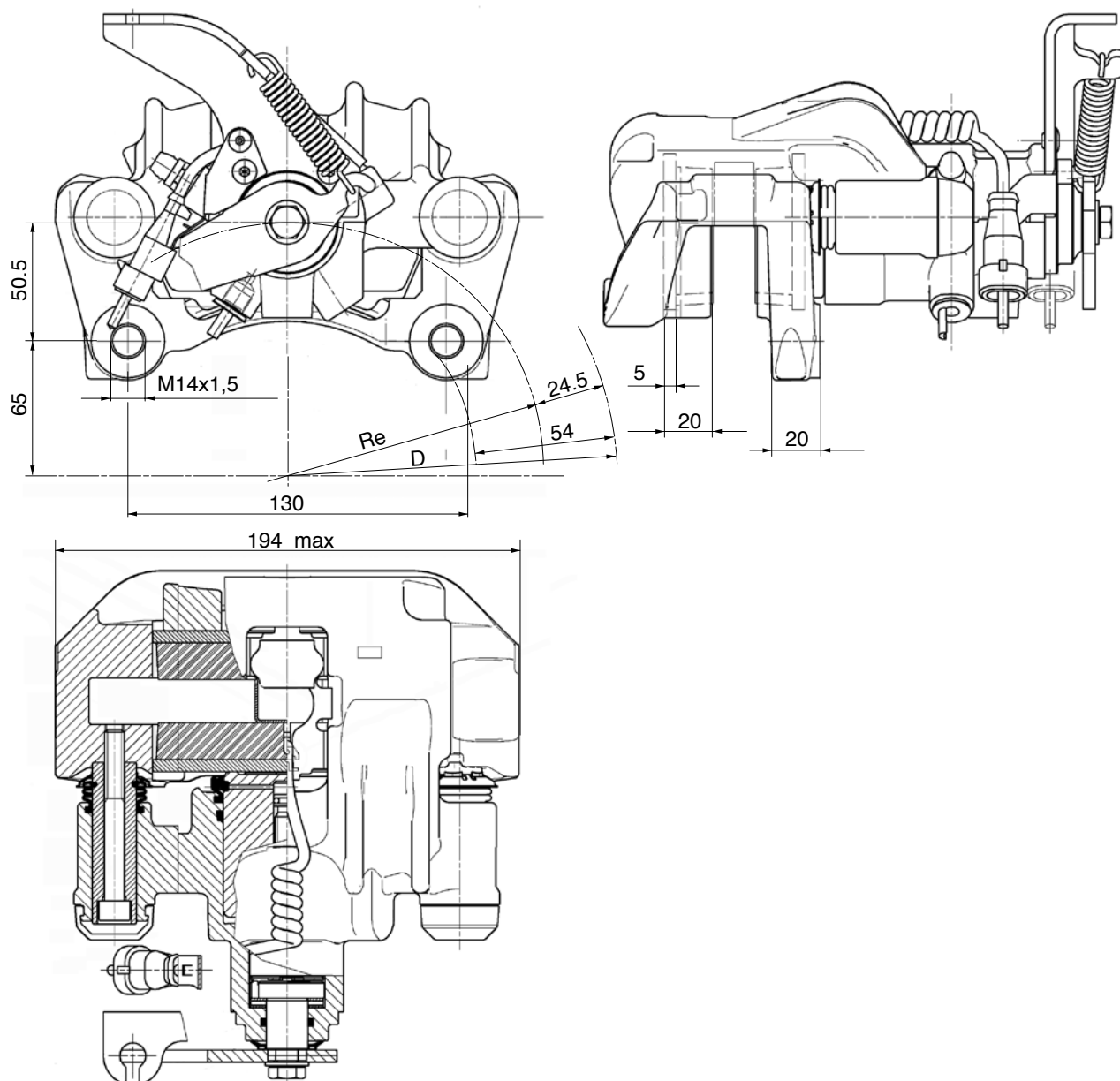
Diametro pistoni	<i>Piston diameter</i>	2X46 mm
Pressione max di funzionamento	<i>Max operating pressure</i>	150 bar
Superficie pastiglie	<i>Pads area</i>	2x69.5 cm²
Diametro disco	<i>Disc diameter</i>	22 mm
Spessore disco	<i>Disc thickness</i>	306 mm
Cerchio Min. di montaggio	<i>Mounting wheel diameter</i>	16 in
Raggio effettivo (Re)	<i>Effective radius (Re)</i>	(D/2) – 24 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	3700 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	9 kg


DATI TECNICI • TECHNICAL DATA

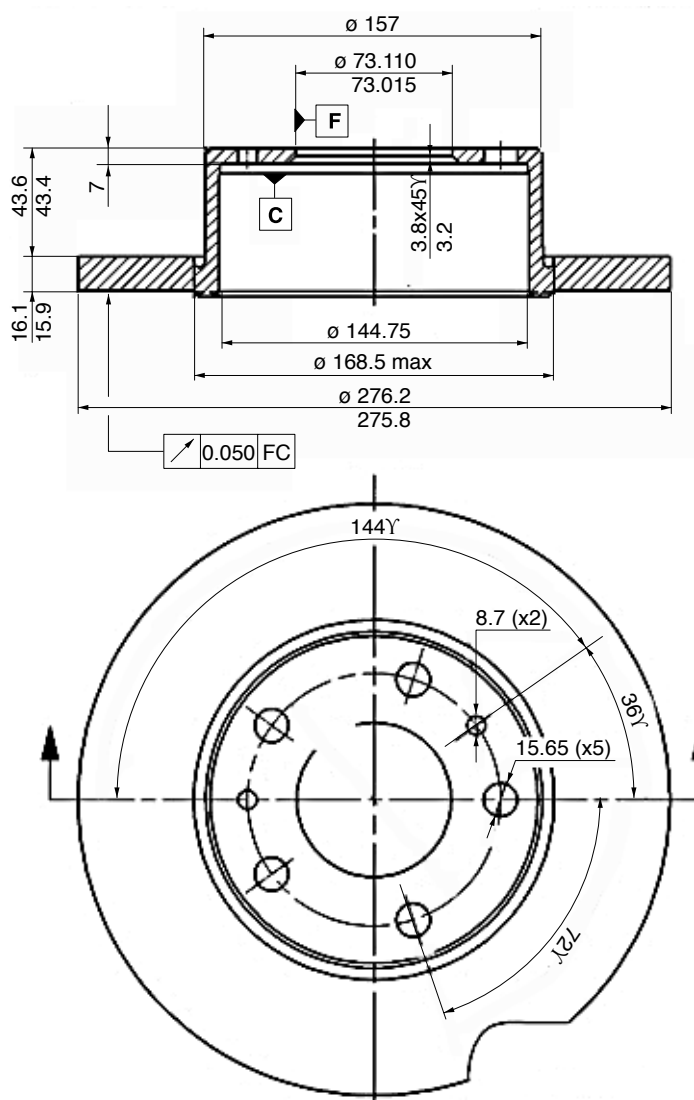
Carico max sulla leva freno	Cable load on lever	FL = 1560 max N
Raggio del tamburo	Drum radius	RT = 95 mm
Numero ganasce e area	Shoe number and area	2x73 cm²
Corsa max con 1560 N	Lever travel with a 1560 N load	CL = 25 max mm
Coppia max con tiro alla leva freno di 1560 N	Parking torque ($\mu=0.32$) with a lever load of 1560 N	3150 Nm
Peso	Weight	3,9


DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	2X46/52 mm
Pressione max di lavoro	<i>Max operating pressure</i>	150 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x76.6 cm²
Diametro disco	<i>Disc diameter</i>	300 mm
Spessore disco	<i>Disc thickness</i>	24 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	15 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 26 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	3744 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	9,3 kg

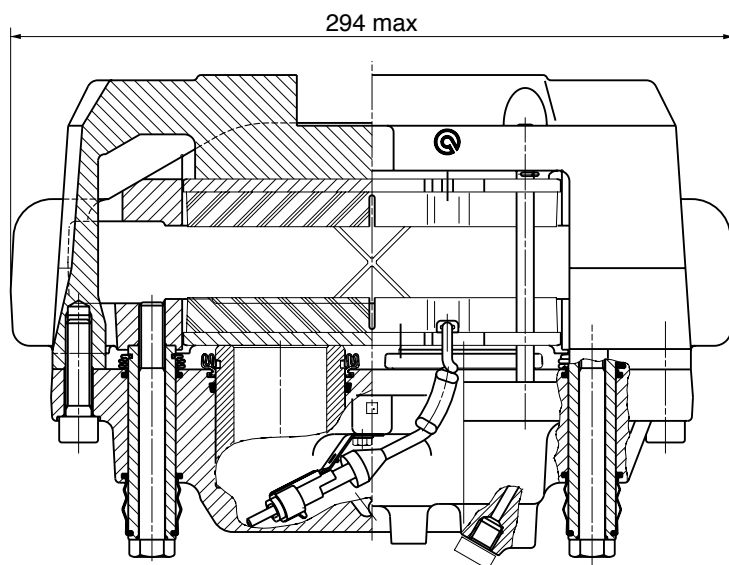
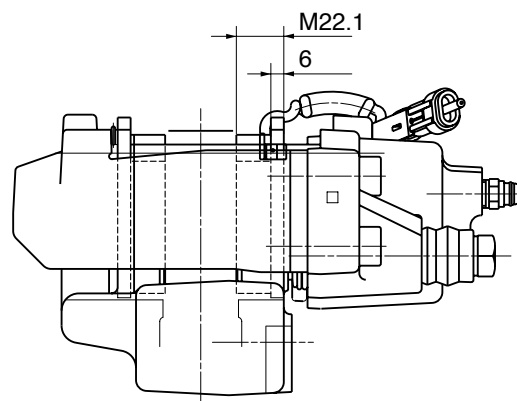
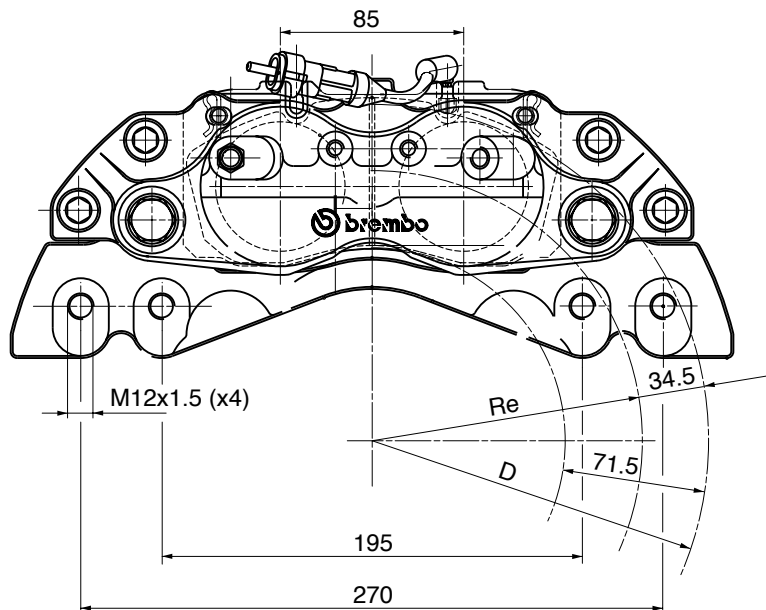

DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	1x52 mm
Pressione max di lavoro	<i>Max operating pressure</i>	150 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x49 cm²
Diametro disco	<i>Disc diameter</i>	276 mm
Spessore disco	<i>Disc thickness</i>	16 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	15 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 24.5 mm
Forza max applicata alla leva	<i>Max force applied on lever</i>	2088 Nm
Forza min. di serraggio	<i>Min clamping force</i>	1720 N
Coppia frenante	<i>Braking torque (μ 0.38)</i>	18500 N
Peso (con pastiglie)	<i>Weight (With pads)</i>	7 kg

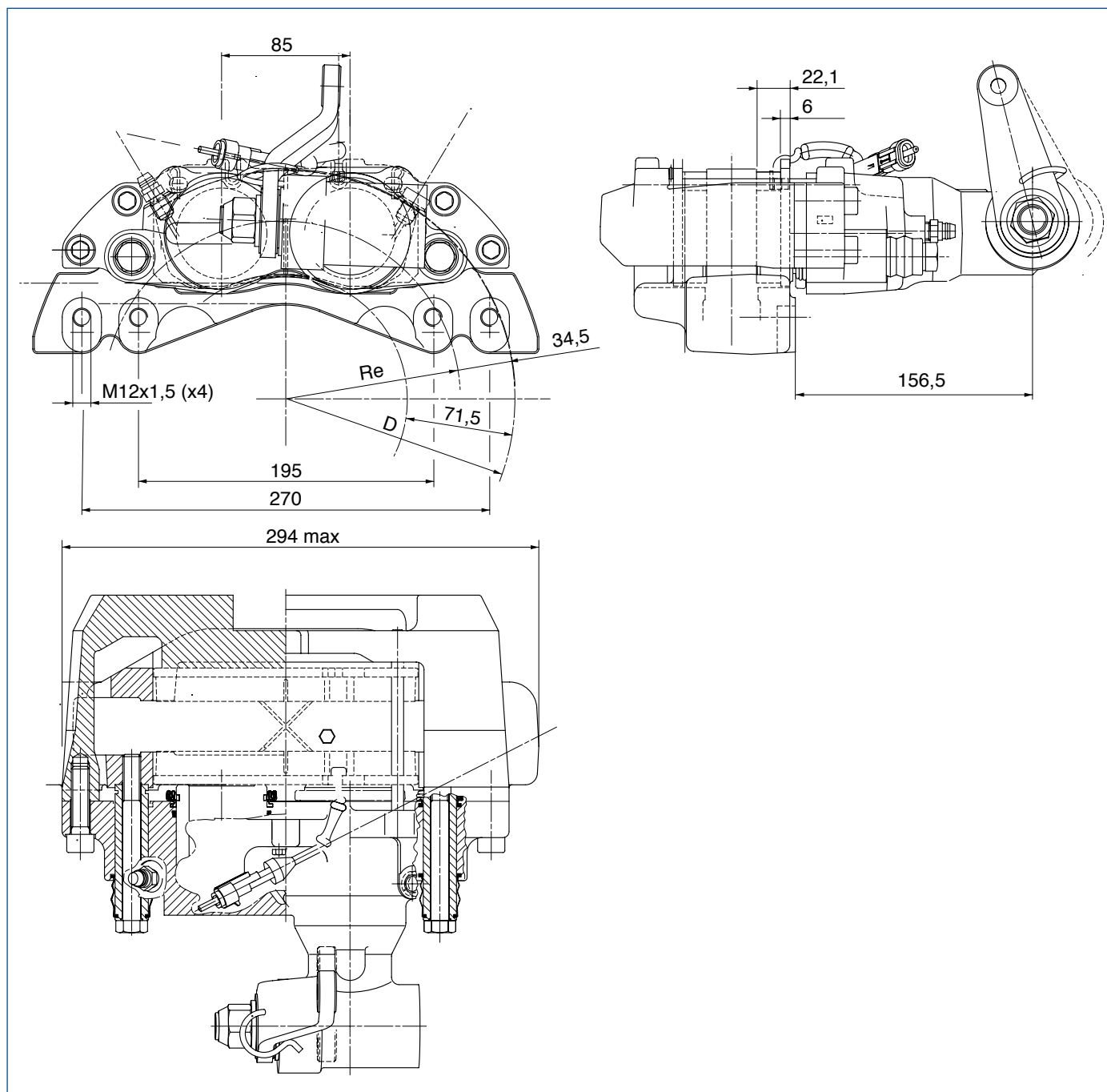


DATI TECNICI • TECHNICAL DATA

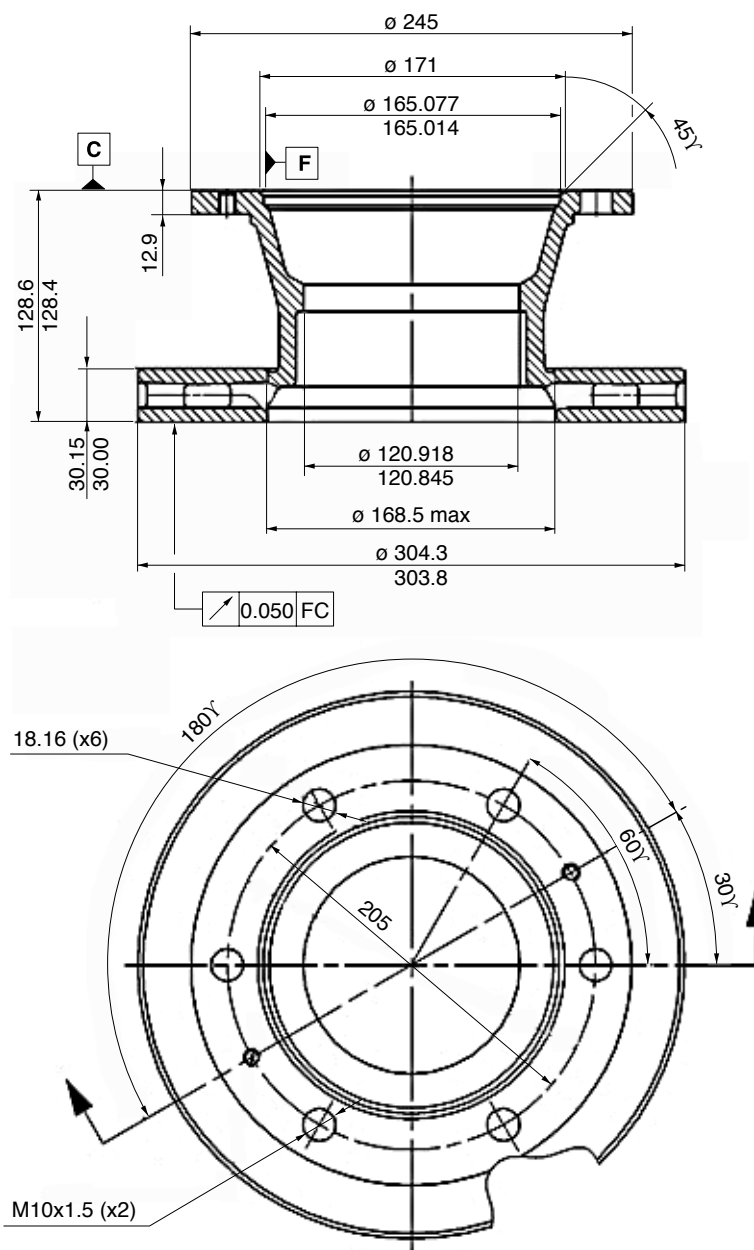
Lato montaggio	Mounting face	min th 13 mm
Peso	Weight	6.7 kg


DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	2X60 mm
Pressione max di lavoro	<i>Max operating pressure</i>	150 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x110 cm²
Diametro disco	<i>Disc diameter</i>	304 mm
Spessore disco	<i>Disc thickness</i>	30 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	16 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 34.5 mm
Coppia frenante	<i>Braking torque (μ 0.38)</i>	5750 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	15 kg

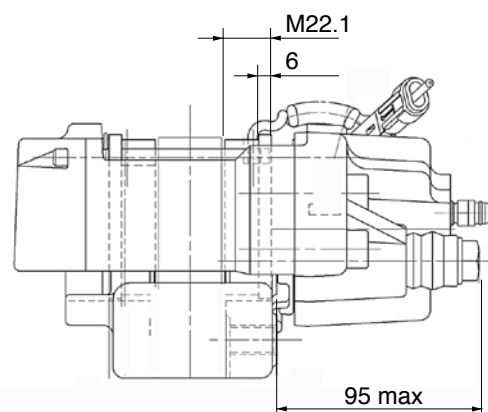
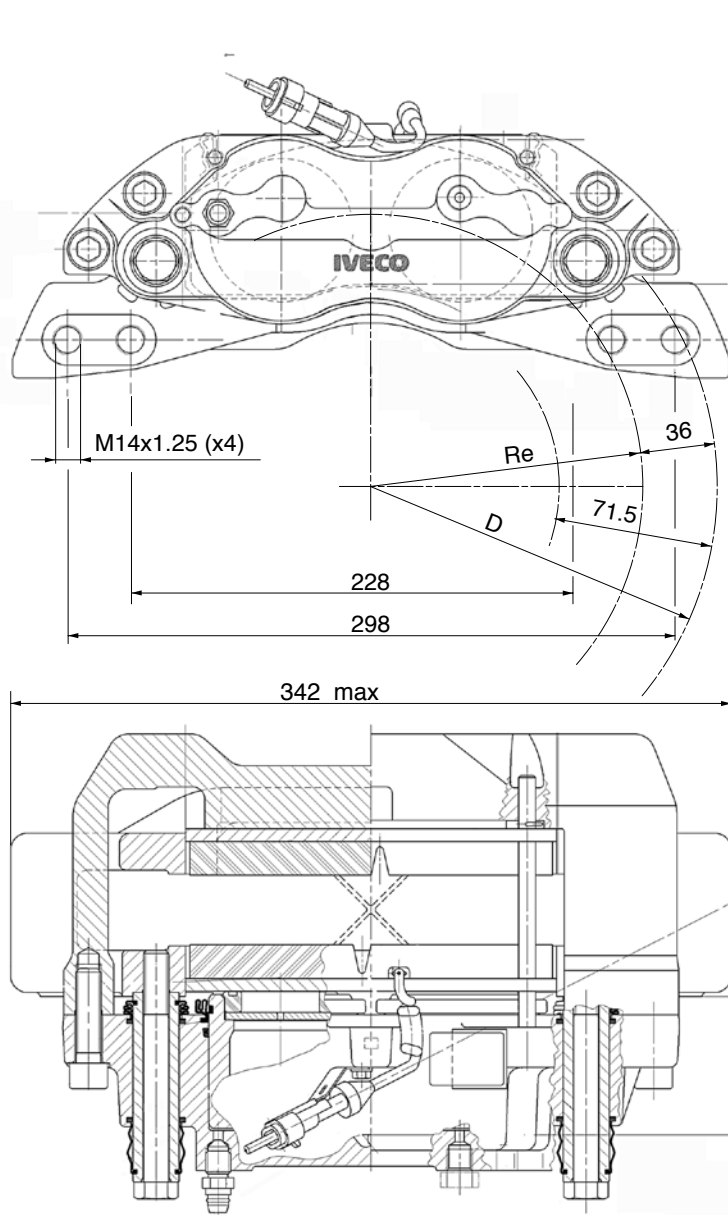

DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	2x60 mm
Pressione max di lavoro	<i>Max operating pressure</i>	120 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x110 cm²
Diametro disco	<i>Disc diameter</i>	304 mm
Spessore disco	<i>Disc thickness</i>	30 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	16 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 34.5 mm
Forza min. di serraggio con 5200 N tiro alla leva	<i>Min. clamping force with 5200 N on lever</i>	68000 N
Coppia frenante	<i>Braking torque (μ 0.38)</i>	5750 Nm
Peso (con pastiglie)	<i>Weight (With pads)</i>	18 kg.

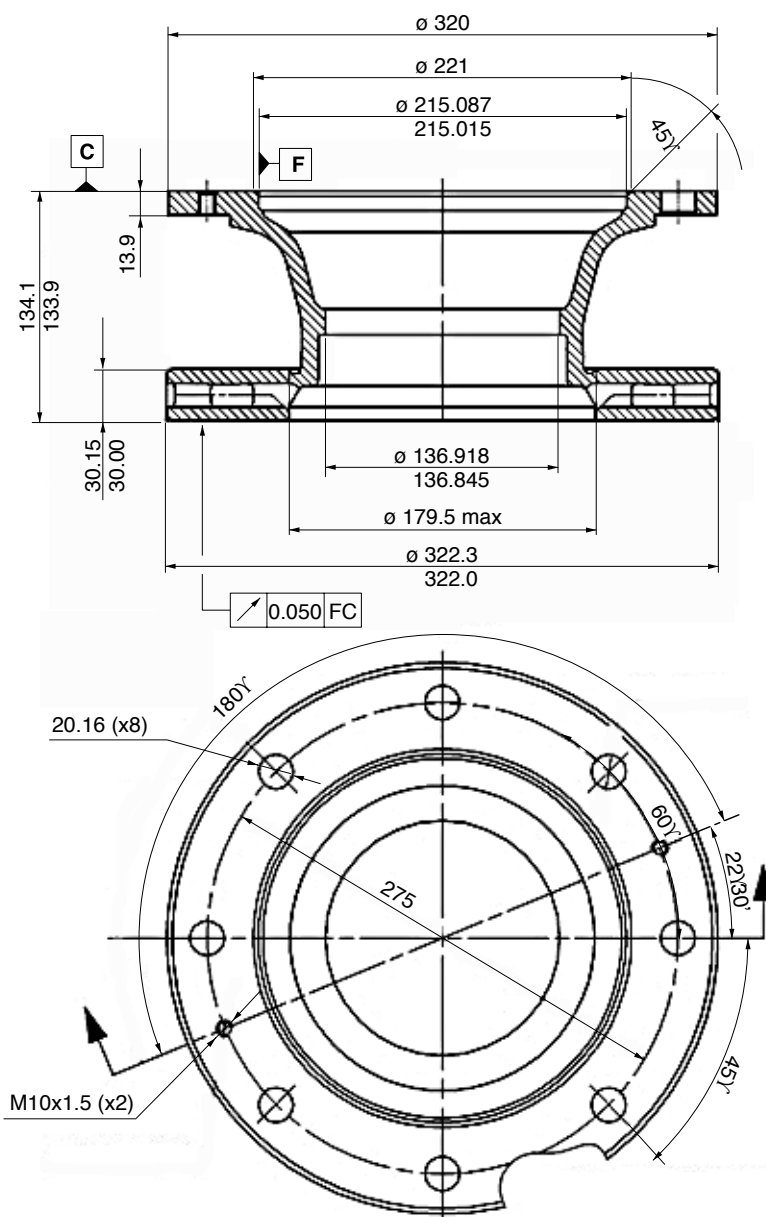


DATI TECNICI • TECHNICAL DATA

Lato montaggio	Mounting face	min th 27.75 mm
Peso	Weight	13.8 kg

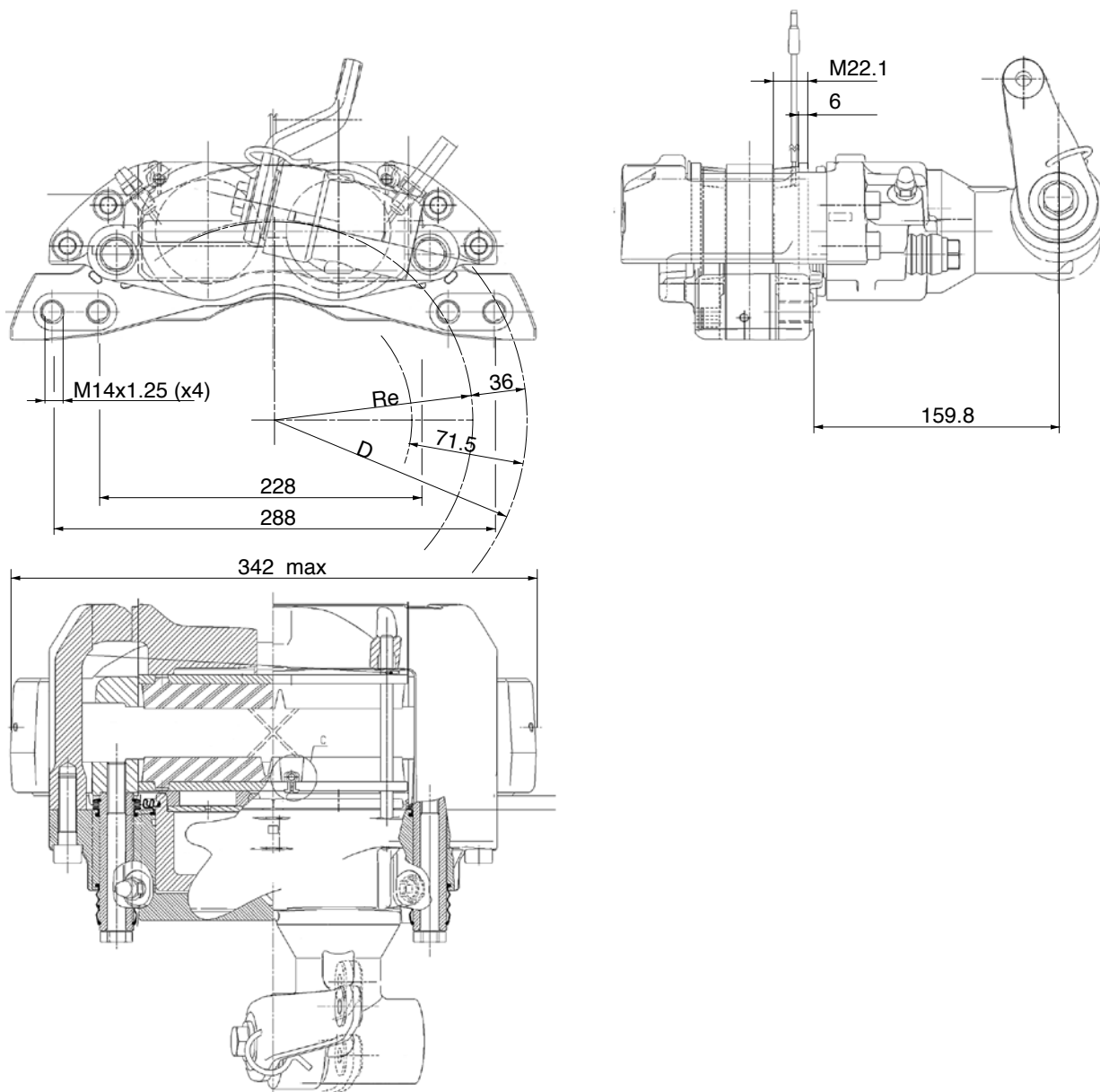

DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	2x60 mm
Pressione max di lavoro	<i>Max operating pressure</i>	120 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x110 cm²
Diametro disco	<i>Disc diameter</i>	304 mm
Spessore disco	<i>Disc thickness</i>	30 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	16 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 34.5 mm
Forza min. di serraggio con 5200 N tiro alla leva	<i>Min. clamping force with 5200 N on lever</i>	68000 N
Coppia frenante	<i>Braking torque (μ 0.38)</i>	5750 Nm
Peso totale con pastiglie	<i>Weight (With pads)</i>	21,5 Kg



DATI TECNICI • TECHNICAL DATA

Lato montaggio	Mounting face	min th 27.75 mm
Peso	Weight	17.3 kg


DATI TECNICI • TECHNICAL DATA

Diametro e numero pistoni	<i>Piston number and diameter</i>	2x68 mm
Pressione max di lavoro	<i>Max operating pressure</i>	150 bar
Numero pastiglie e superficie	<i>Pads number and surface</i>	2x110 cm²
Diametro disco	<i>Disc diameter</i>	322 mm
Spessore disco	<i>Disc thickness</i>	30 mm
Diametro cerchio ruota	<i>Mounting wheel diameter</i>	17.5 in
Raggio medio effettivo	<i>Effective radius (Re)</i>	(D/2) – 36 mm
Forza min. di serraggio con 5200 N tiro alla leva	<i>Min. clamping force with 5200 N on lever</i>	68000 N
Coppia frenante	<i>Braking torque (μ 0.38)</i>	7900 Nm
Peso totale con pastiglie	<i>Weight (With pads)</i>	17,5 Kg



EUROCAR TOGLIANI s.r.l.

Via Monte Ortigara 2A/2B
20010 Bareggio (Milano)
ITALIA

Tel. +39 02 9013287 / 90364085

Fax +39 02 90276307

email: bsys@eurocartogliani.191.it

web: www.eurocartogliani.191.it