



I SERIES



SHORT CODE	Stages	Total Stroke [mm]	External [mm]	Tipping weight [Tons]	Page
3A	3	700	Ø95	4,3	4
2AB	4	1200	Ø95	3,5	5
5	3	530	Ø110	6,7	6
7	3	700	Ø110	6,7	7
8	3	800	Ø110	6,7	8
9 NV	3	900	Ø110	6,7	9
10 NV	3	1050	Ø110	6,7	10
10B	3	1110	Ø110	6,7	11
5AB	4	550	Ø110	5,6	12
11AL27 NV	4	825	Ø110	5,6	13
11A NV	4	90	Ø110	5,6	14
11AB NV	4	1200	Ø110	5,6	15
11A5S NV	5	1200	Ø110	4,0	16
RML9 NV	3	900	Ø125	9,6	17
16CD	3	1285	Ø125	9,6	18
12 NV	4	825	Ø125	8,3	19
13B NV	4	930	Ø125	8,3	20
14 NV	4	1070	Ø125	8,3	21
15 NV	4	1200	Ø125	8,3	22
17 NV	4	1350	Ø125	8,3	23
18 NV	4	1500	Ø125	8,3	24
19 NV	4	1700	Ø125	8,3	25
12AL22	5	840	Ø125	7,1	26
12AL27 NV	5	1050	Ø125	7,1	27
12A NV	5	1200	Ø125	7,1	28
12ALC NV	5	1260	Ø125	7,1	29
12ALS NV	5	1460	Ø125	7,1	30
18A NV	5	1875	Ø125	7,1	31
12A6B	6	1160	Ø125	6,1	32
12A627 NV	6	1250	Ø125	6,1	33
12A6S NV	6	1420	Ø125	6,1	34

STAGES		Ø 32	Ø 45	Ø 60	Ø 75	Ø 90	Ø 105	Ø 120	Ø 140	Ø 160	STAGES		Ø 32	Ø 45	Ø 60	Ø 75	Ø 90	Ø 105	Ø 120	Ø 140	Ø 160
TRUST 150 BAR		1.2T	2.4T	4.8T	6.6T	9.5T	13.0T	17.0T	23.1T	30.2T	TRUST 150 BAR		1.2T	2.4T	4.8T	6.6T	9.5T	13.0T	17.0T	23.1T	30.2T
2	Ø 95			●	●						4	Ø 185						●	●	●	●
2	Ø 110				●	●					5	Ø 110	●	●	●	●	●				
3	Ø 95		●	●	●						5	Ø 125		●	●	●	●	●			
3	Ø 110			●	●	●					5	Ø 145			●	●	●	●	●		
3	Ø 125				●	●	●				5	Ø 165				●	●	●	●	●	
3	Ø 145					●	●	●			5	Ø 185					●	●	●	●	●
4	Ø 95	●	●	●	●						6	Ø 125	●	●	●	●	●	●			
4	Ø 110		●	●	●	●					6	Ø 145		●	●	●	●	●	●		
4	Ø 125			●	●	●	●				6	Ø 165			●	●	●	●	●	●	
4	Ø 145				●	●	●	●			6	Ø 185				●	●	●	●	●	●
4	Ø 165					●	●	●	●		7	Ø 165		●	●	●	●	●	●	●	●

SHORT CODE	Stages	Total Stroke [mm]	External [mm]	Tipping weight [Tons]	Page
RMP9	3	900	Ø145	13,1	35
RMP10	3	1000	Ø145	13,1	36
20C	4	1000	Ø145	11,4	37
20B	4	1200	Ø145	11,4	38
22 NV	4	1350	Ø145	11,4	39
23 NV	4	1500	Ø145	11,4	40
24 NV	4	1700	Ø145	11,4	41
24LC NV	4	2000	Ø145	11,4	42
25CP	5	960	Ø145	10	43
26	5	1250	Ø145	10	44
27	5	1500	Ø145	10	45
22A NV	5	1680	Ø145	10	46
28 NV	5	1875	Ø145	10	47
28B NV	5	2125	Ø145	10	48
28AB NV	5	2500	Ø145	10	49
26A	6	1500	Ø145	8,7	50
31	4	1200	Ø165	15,5	51
31C NV	4	1700	Ø165	15,5	52
31LC NV	4	2000	Ø165	15,5	53
32 NV	5	1500	Ø165	13,7	54
29 NV	5	1875	Ø165	13,7	55
31AB NV	5	2500	Ø165	13,7	56
33A NV	6	1500	Ø165	12,1	57
33 NV	6	1800	Ø165	12,1	58
30 NV	6	2250	Ø165	12,1	59
33SB	7	910	Ø165	10,7	60
40	5	1450	Ø185	18,6	61
41	6	1750	Ø185	16,6	62
42	4	2000	Ø185	20,8	63
45	5	2500	Ø185	18,6	64
48	6	3000	Ø185	18,6	65

STAGES		Ø 32	Ø 45	Ø 60	Ø 75	Ø 90	Ø 105	Ø 120	Ø 140	Ø 160	STAGES		Ø 32	Ø 45	Ø 60	Ø 75	Ø 90	Ø 105	Ø 120	Ø 140	Ø 160
TRUST 150 BAR		1.2T	2.4T	4.8T	6.6T	9.5T	13.0T	17.0T	23.1T	30.2T	TRUST 150 BAR		1.2T	2.4T	4.8T	6.6T	9.5T	13.0T	17.0T	23.1T	30.2T
2	Ø 95			●	●						4	Ø 185						●	●	●	●
2	Ø 110				●	●					5	Ø 110	●	●	●	●	●				
3	Ø 95		●	●	●						5	Ø 125		●	●	●	●	●			
3	Ø 110			●	●	●					5	Ø 145			●	●	●	●	●		
3	Ø 125				●	●	●				5	Ø 165				●	●	●	●	●	
3	Ø 145					●	●	●			5	Ø 185					●	●	●	●	●
4	Ø 95	●	●	●	●						6	Ø 125	●	●	●	●	●	●			
4	Ø 110		●	●	●	●					6	Ø 145		●	●	●	●	●	●		
4	Ø 125			●	●	●	●				6	Ø 165			●	●	●	●	●	●	
4	Ø 145				●	●	●	●			6	Ø 185				●	●	●	●	●	●
4	Ø 165					●	●	●	●		7	Ø 165		●	●	●	●	●	●	●	●

TABLE OF STROKE NECESSARY TO TILT THE BODY AT REQUIRED DEGREE

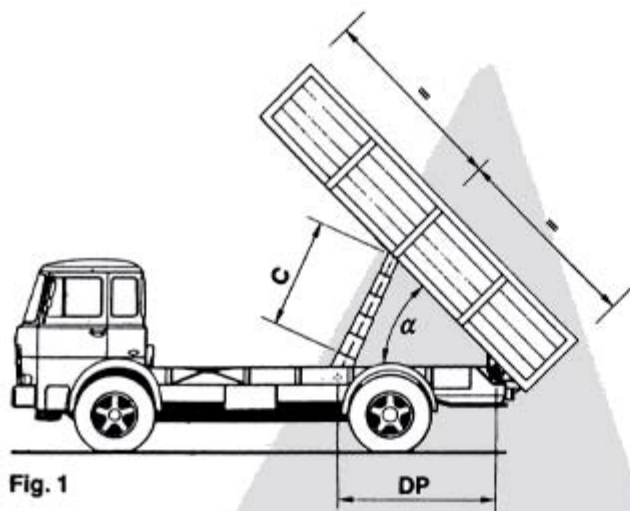


Fig. 1

- DP = Distance between cylinder pin and tipping pin
in mm
- α = Inclination of dump body
- C = Cylinder stroke

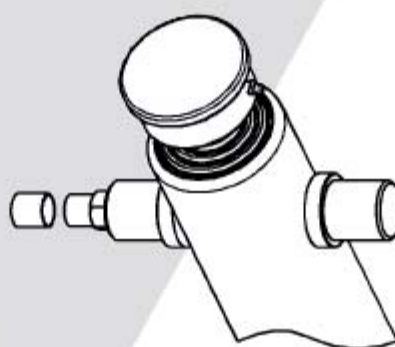
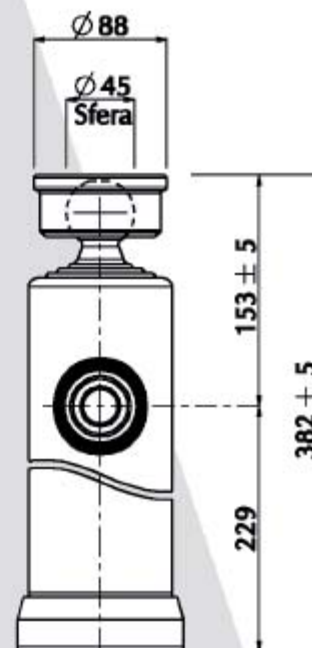
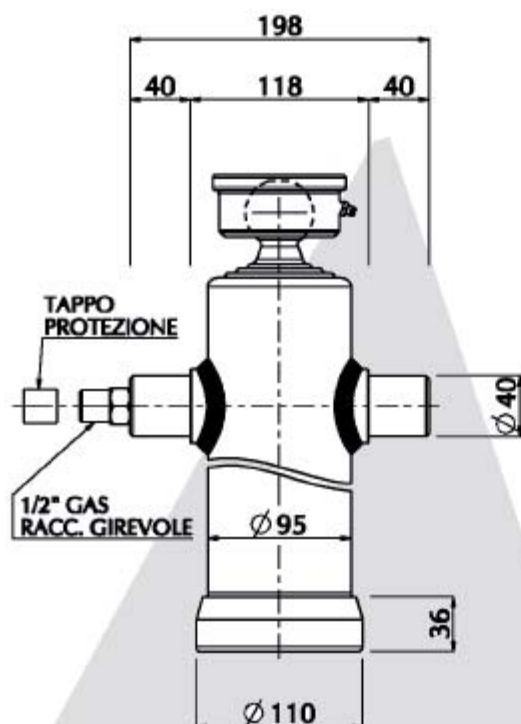
DP mm	C mm		
	45°	50°	55°
800	610	675	740
900	690	760	835
1000	765	845	925
1100	845	930	1020
1200	920	1015	1110
1300	995	1100	1205
1400	1075	1185	1295
1500	1150	1270	1390
1600	1225	1355	1480
1700	1300	1440	1575
1800	1380	1525	1665
1900	1455	1605	1760
2000	1530	1690	1850
2100	1610	1775	1945
2200	1685	1860	2035
2300	1760	1945	2130
2400	1840	2030	2220
2500	1915	2115	2315
2600	1990	2200	2405
2700	2065	2285	2500
2800	2145	2370	2590
2900	2220	2450	2685
3000	2300	2535	2775

- ATTENTION -

The cylinder is made for lifting purposes only and must not be considered has a body stabiliser.

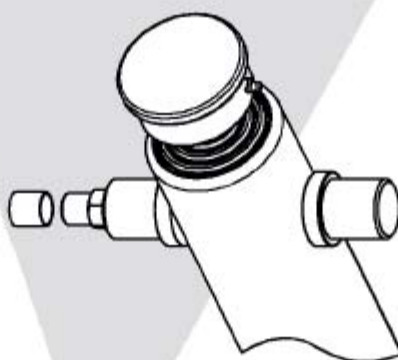
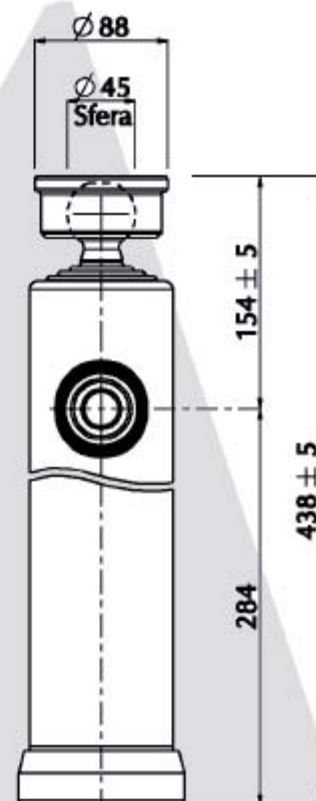
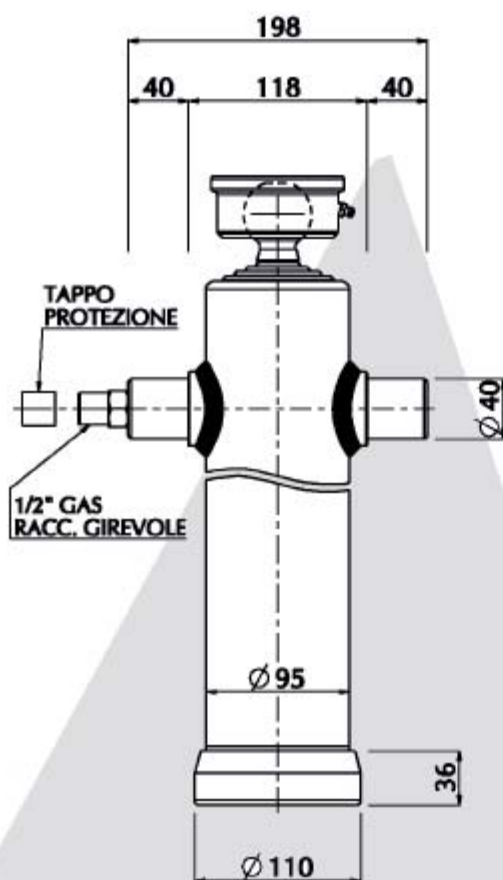
- 01) Always mount cylinders in a cradle;
- 02) Always protect the cylinders from welding spatter and foreign matter;
- 03) Carefully clean oil tank and pipes;
- 04) Fit suitable filter and pressure relief in the hydraulic system;
- 05) Use only good quality hydraulic oil;
- 06) Always fit an end of stroke device and allow 150-200mm of unused stroke;
Cylinders should never reach their stop limit.
- 07) When at rest the body must not be supported by the closed cylinders - the fitted centres of the cylinders should be at least 20mm greater than the closed centres;
- 08) On front mounted cylinders the spherical cover trunnions, lifting brackets spherical joints and oscillating collar should be greased at frequently;
- 09) Do not wash cylinders with high pressure jet cleaner;
- 10) Never exceed the maximum working pressure of the cylinder;
- 11) Check that the angle of tip is not excessive;
- 12) When welding do not use the cylinder ad en earthing point

In the case of a tipper overturning, the damage of the cylinder will be the consequence, not the cause of the overturn.

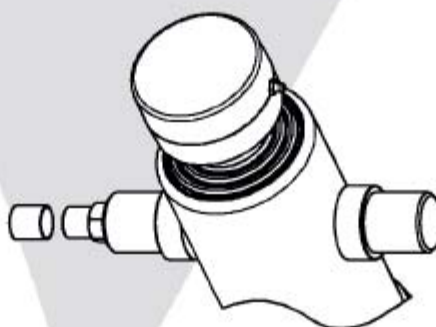
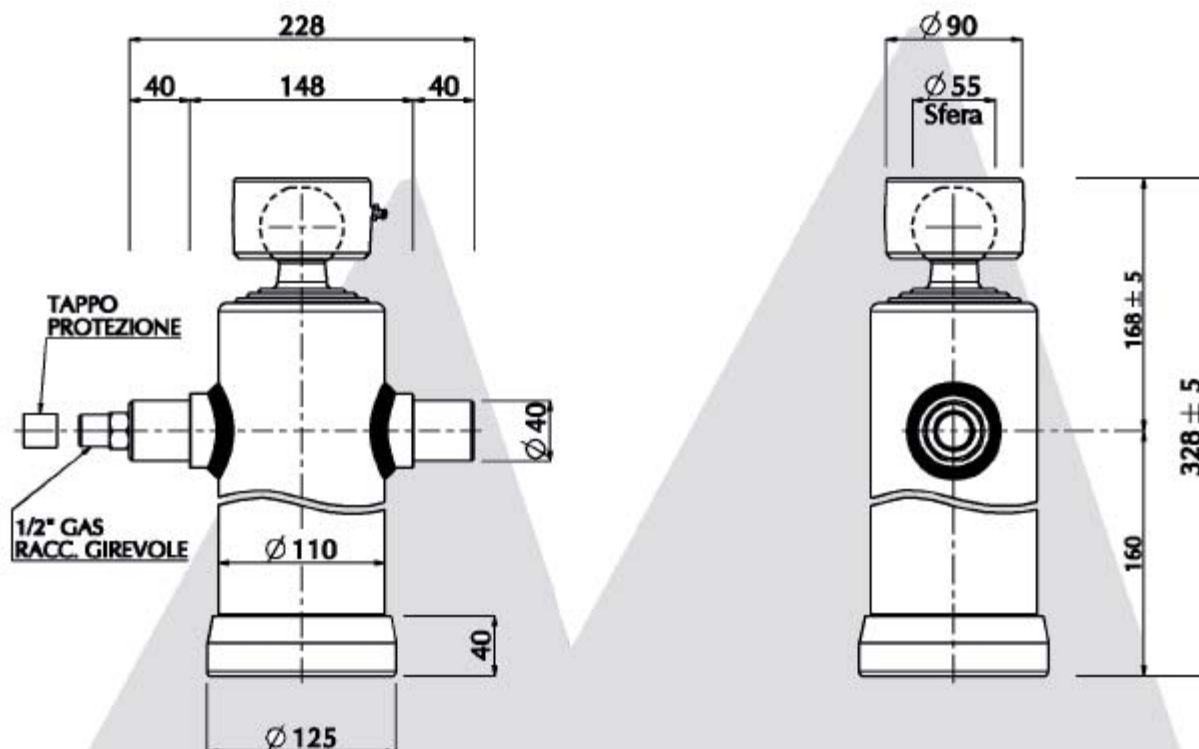


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 3
I	Ø 75	6.6	Corsa : 700 mm
II	Ø 60	4.2	Peso Cilindro : 17.45 Kg
III	Ø 45	2.4	Volume di lavoro : 2.4 Lt.
IV			Pressione max. di lavoro : 200 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : NON DISPONIBILE
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#EENPNIN
			Piastra per supporto : Ø 40 PSA#1

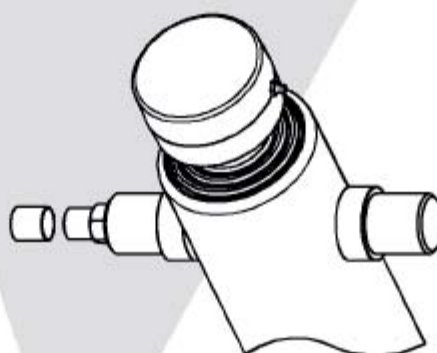
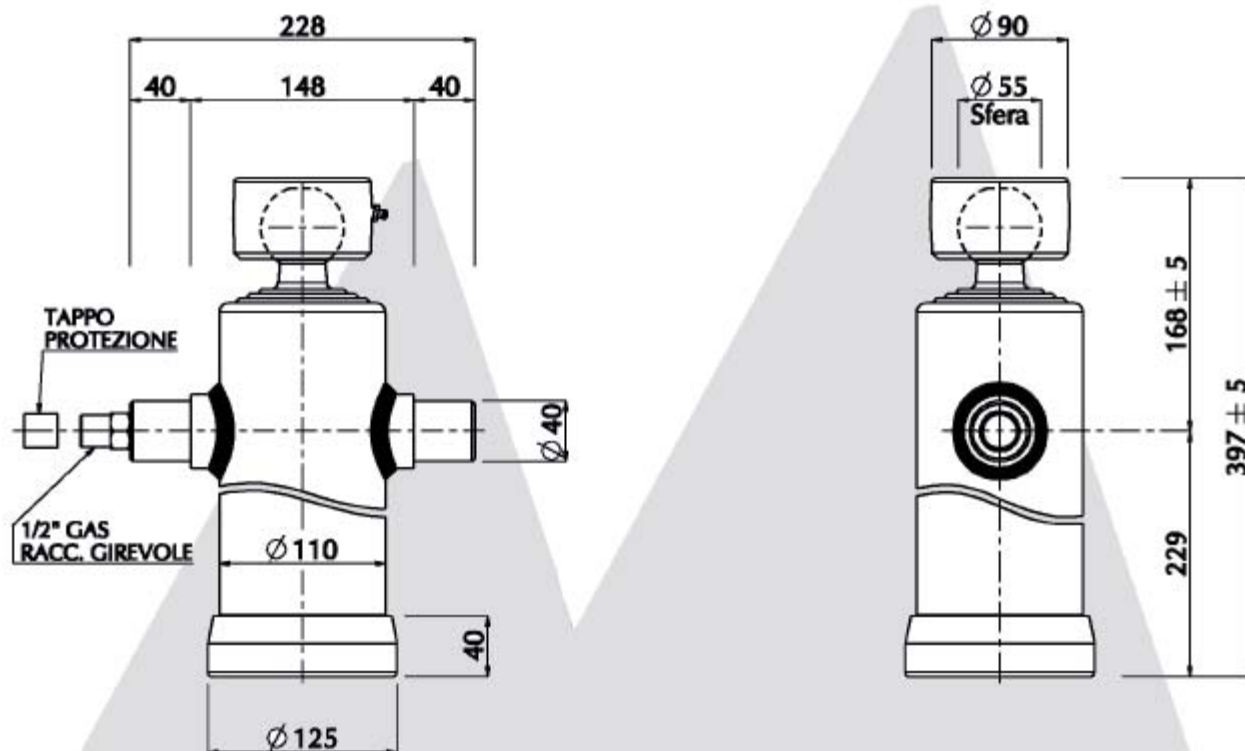
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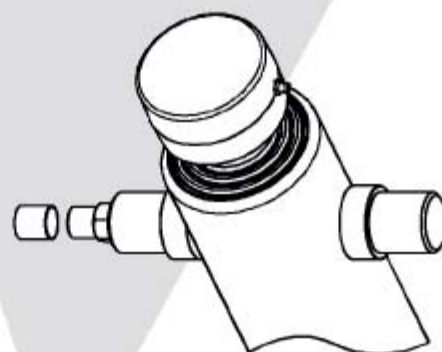
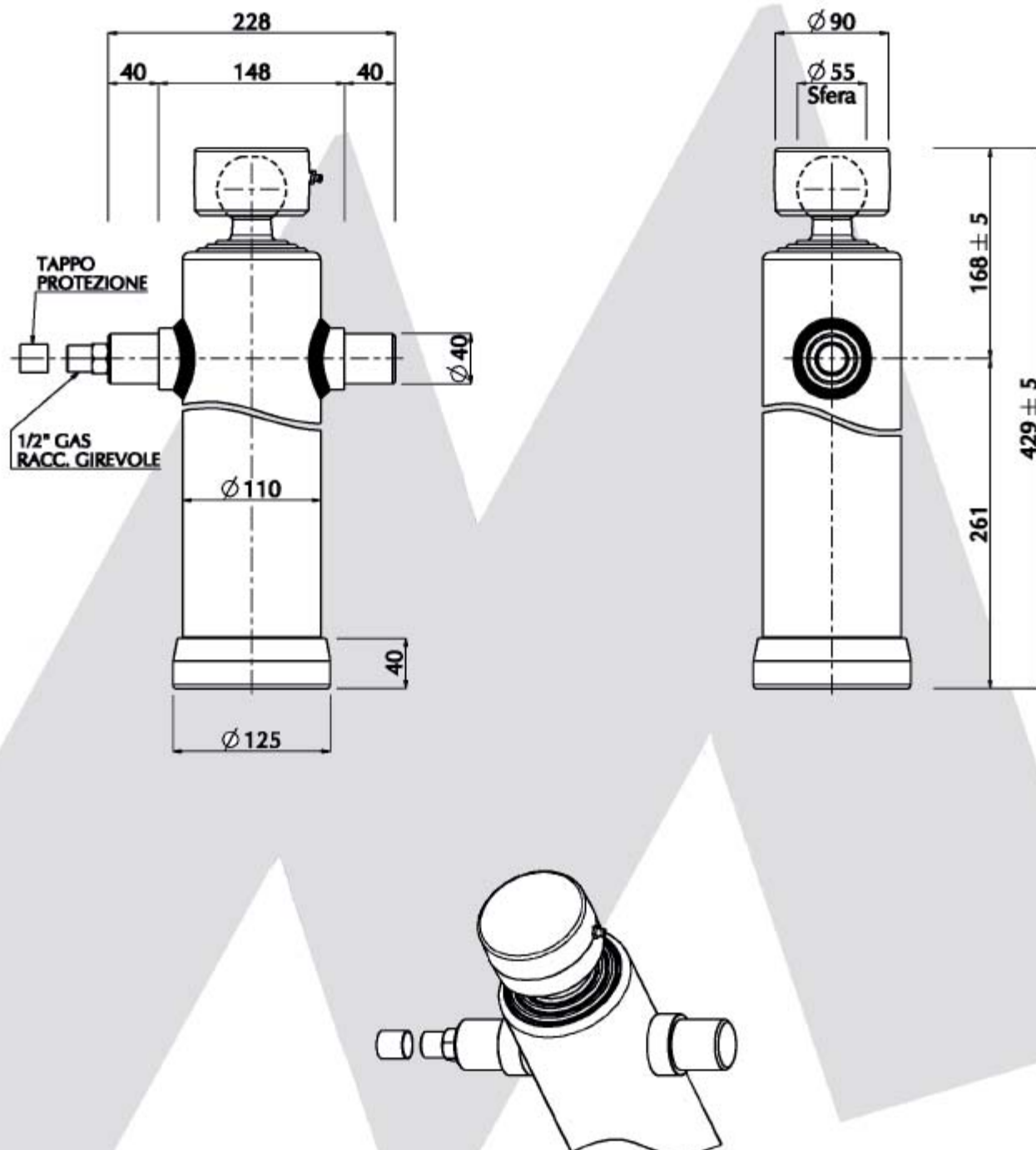
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 4
I	Ø 75	6.6	Corsa	: 1200 mm
II	Ø 60	4.2	Peso Cilindro	: 19.45 Kg
III	Ø 45	2.4	Volume di lavoro	: 3.4 Lt
IV	Ø 32	1.2	Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: NON DISPONIBILE
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN
			Supporto stamp. aperto	: Ø 40 SSA#C
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN
			Piastra per supporto	: Ø 40 PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 3
I	Ø 90	9.5	Corsa	: 530 mm
II	Ø 75	6.6	Peso Cilindro	: 19.90 Kg
III	Ø 60	4.2	Volume di lavoro	: 2.7 Lt
IV			Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN
			Supporto stamp. aperto	: Ø 40 SSA#C
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN
			Piastra per supporto	: Ø 40 PSA#1

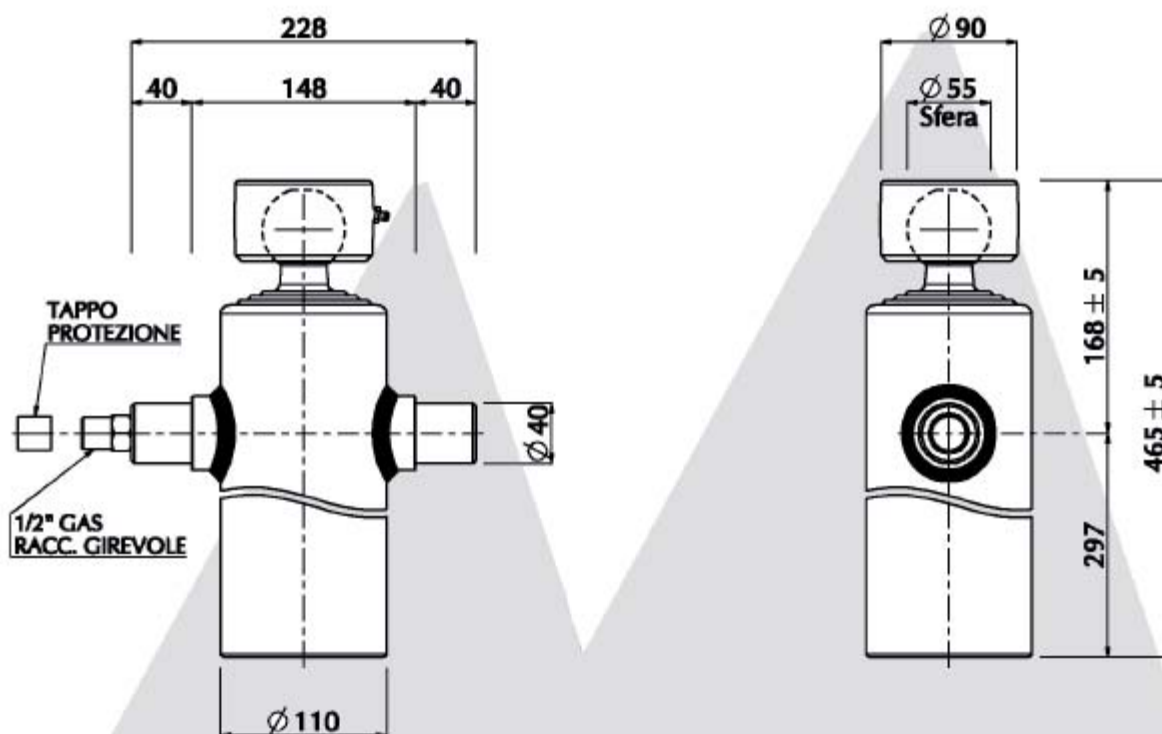


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Peso Cilindro	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	Ø 90	9.5	: 3	: 24.35 Kg	: 3.6 Lt	: 200 bar	: -30°C ↔ +100°C
II	Ø 75	6.6					
III	Ø 60	4.2					
IV							
V							
VI							
VII							
VIII							
ACCESSORI							
			Culla	: 3	CU#AB		
			Supporto stamp. chiuso c/ing.	: Ø 40	SC#CSSIN		
			Supporto stamp. aperto	: Ø 40	SSA#C		
			Supporto aperto tipo "E"	: Ø 40	SA#CENPNIN		
			Piastra per supporto	: Ø 40	PSA#1		

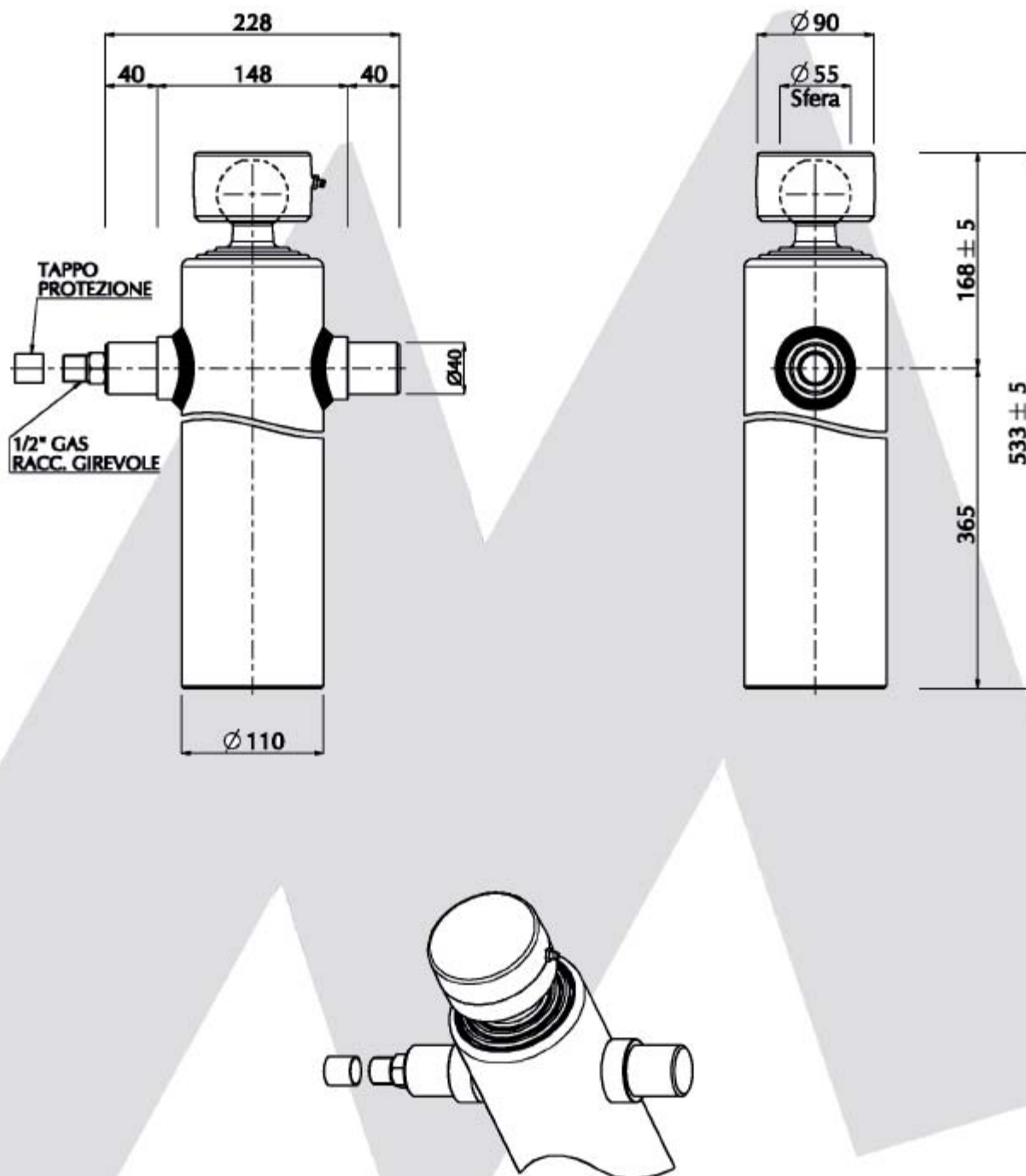


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 3
I	Ø 90	9.5	Corsa : 800 mm
II	Ø 75	6.6	Peso Cilindro : 26.10 Kg
III	Ø 60	4.2	Volume di lavoro : 4.1 Lt.
IV			Pressione max. di lavoro : 200 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 3 CU#AB
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1

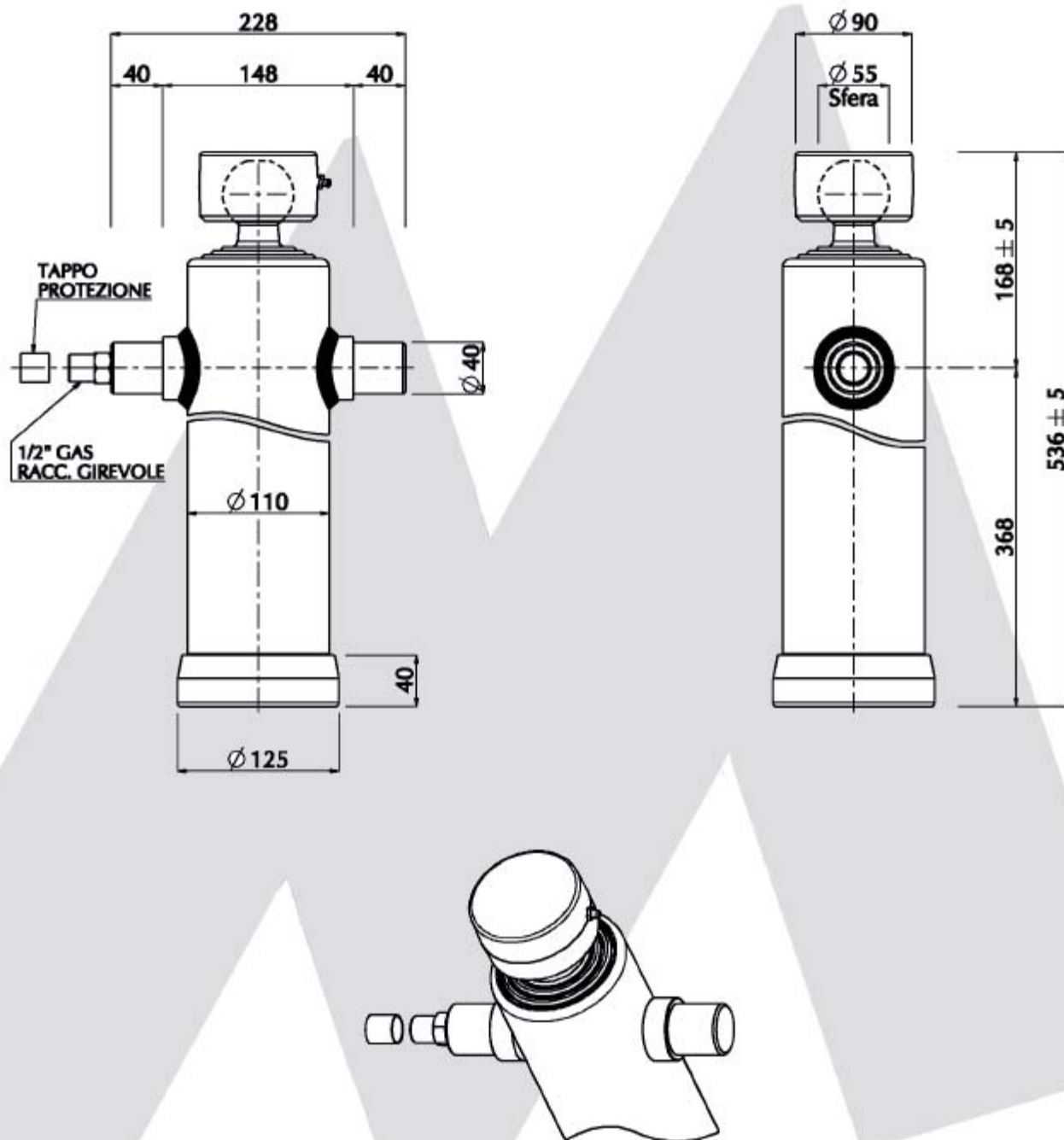
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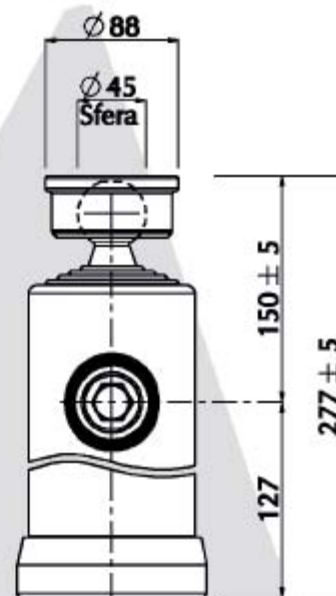
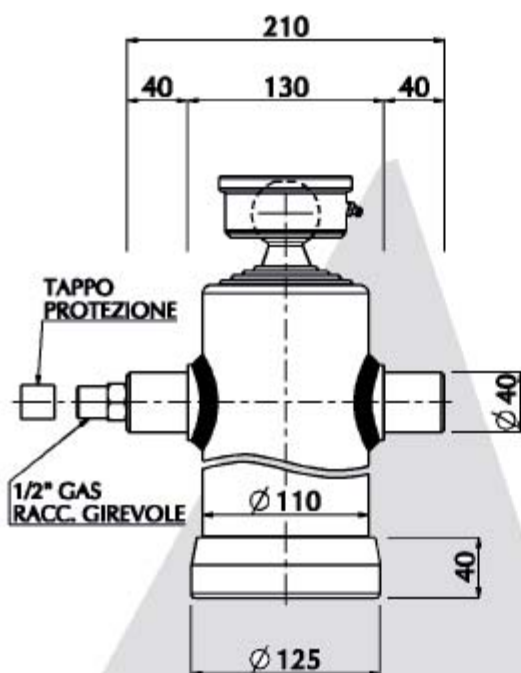
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 3
I	$\varnothing 90$	9.5	Corsa	: 900 mm
II	$\varnothing 75$	6.6	Peso Cilindro	: 27.45 Kg
III	$\varnothing 60$	4.2	Volume di lavoro	: 4.6 Lt.
IV			Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 40$ SC#CSSIN
			Supporto stamp. aperto	: $\varnothing 40$ SSA#C
			Supporto aperto tipo "E"	: $\varnothing 40$ SA#CENPNIN
			Piastra per supporto	: $\varnothing 40$ PSA#1



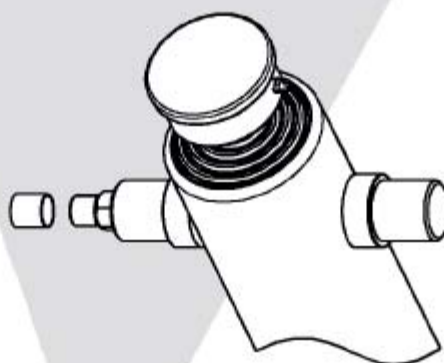
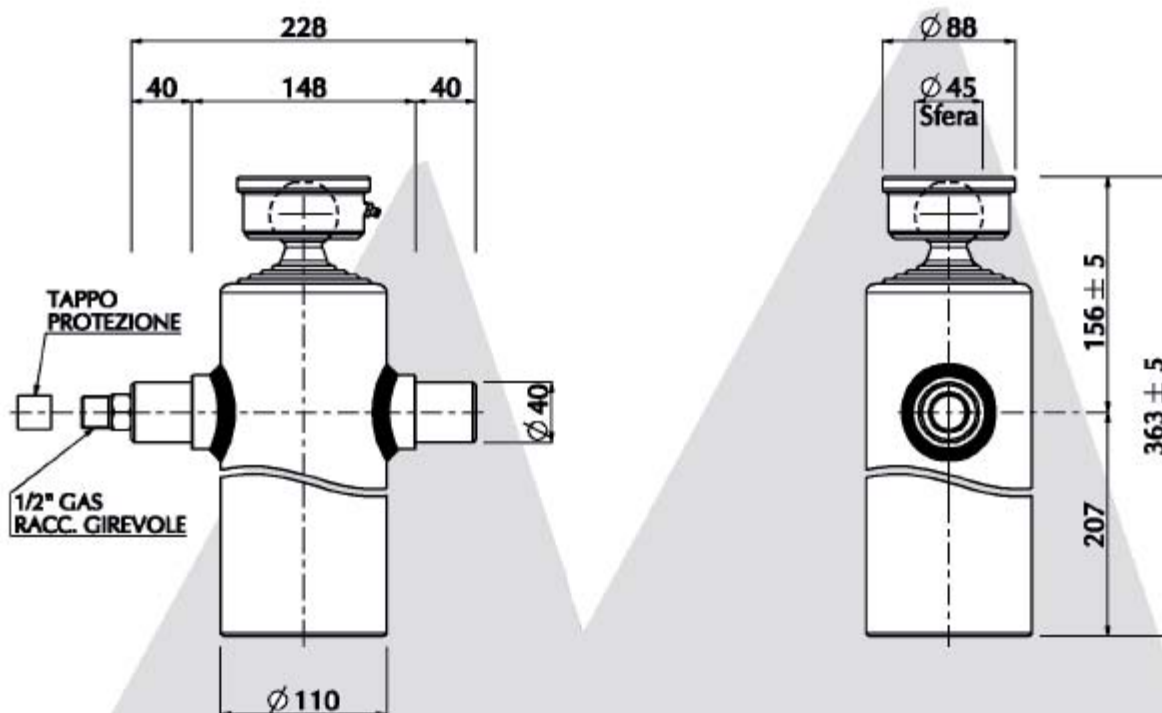
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 3
I	Ø 90	9.5	Corsa	: 1050 mm
II	Ø 75	6.6	Peso Cilindro	: 31.45 Kg
III	Ø 60	4.2	Volume di lavoro	: 5.4 Lt.
IV			Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN
			Supporto stamp. aperto	: Ø 40 SSA#C
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN
			Piastra per supporto	: Ø 40 PSA#1



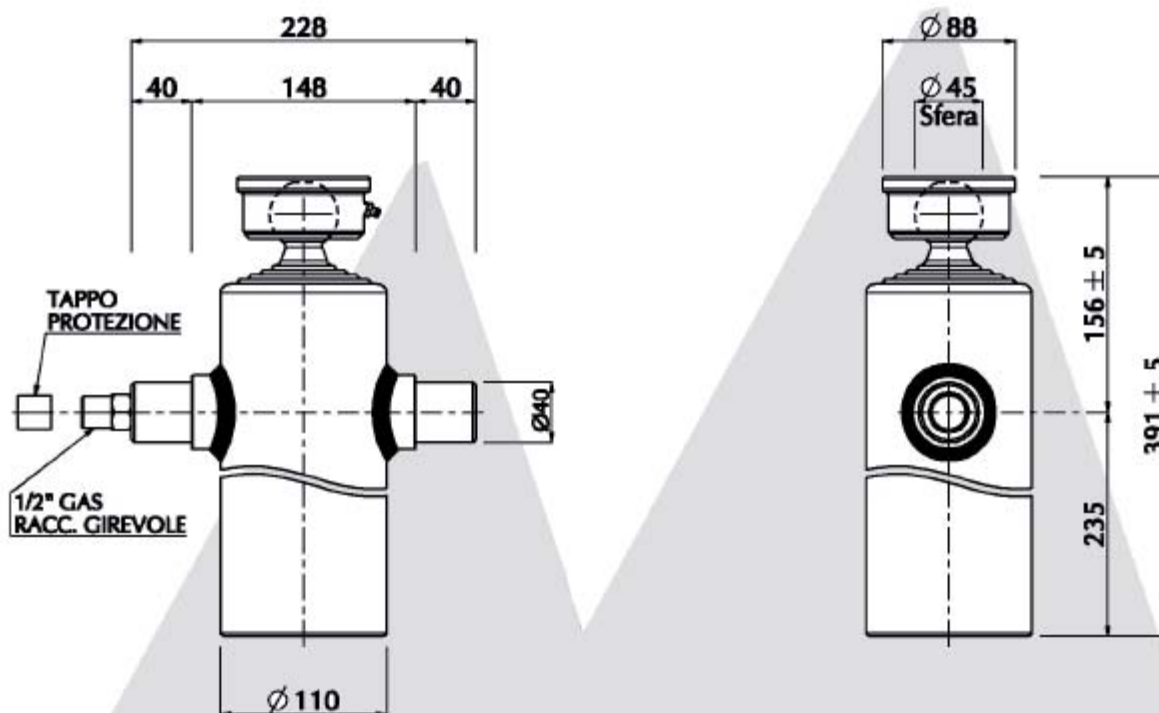
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	Ø 90	9.5	: 3 : 1110 mm	: 5.7 Lt.	: 200 bar	: -30°C ↔ +100°C
II	Ø 75	6.6	Peso Cilindro			
III	Ø 60	4.2	: 32.8 Kg			
IV			Volume di lavoro			
V			: 5.7 Lt.			
VI			Pressione max. di lavoro			
VII			: 200 bar			
VIII			Temperatura d'esercizio			
			: -30°C ↔ +100°C			
ACCESSORI						
			Culla	: 3	CU#AB	
			Supporto stamp. chiuso c/ing.	: Ø 40	SC#CSSIN	
			Supporto stamp. aperto	: Ø 40	SSA#C	
			Supporto aperto tipo "E"	: Ø 40	SA#CENPNIN	
			Piastra per supporto	: Ø 40	PSA#1	



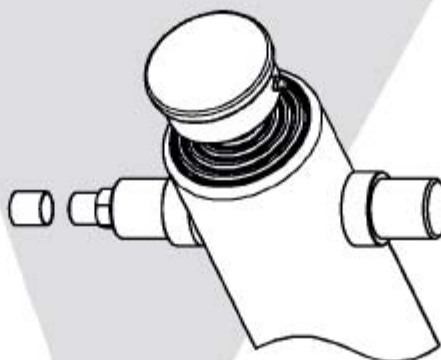
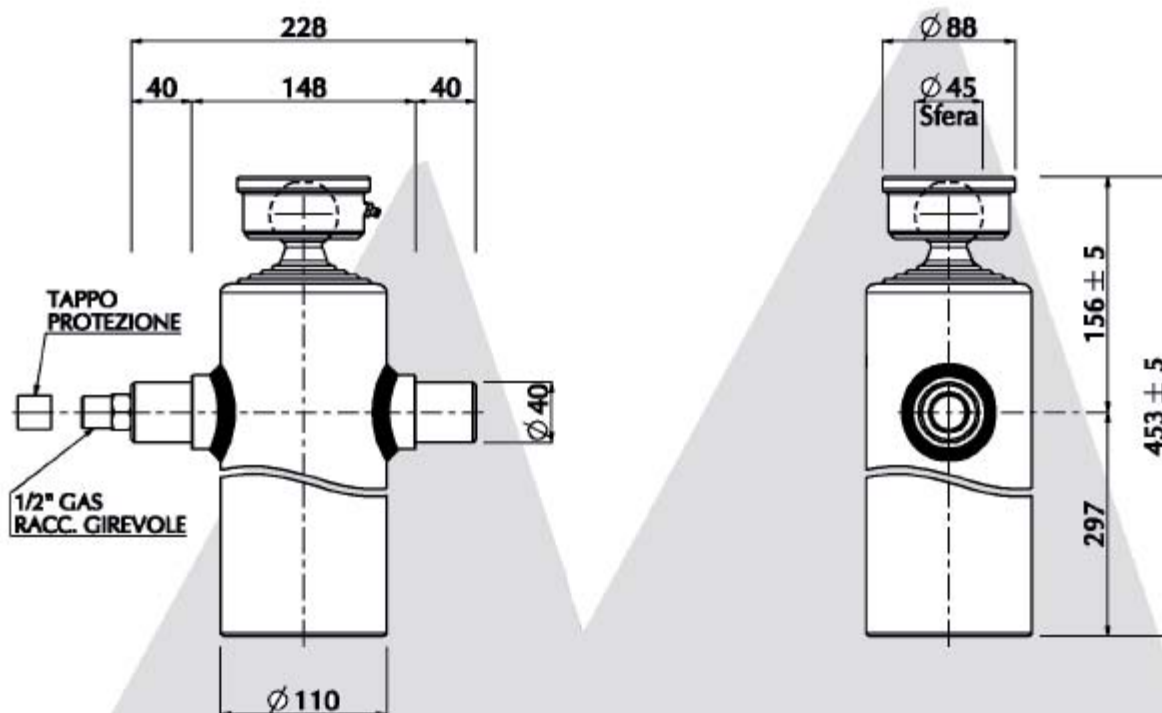
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 90	9.5	Corsa	: 550 mm
II	Ø 75	6.6	Peso Cilindro	: 15.6 Kg
III	Ø 60	4.2	Volume di lavoro	: 2.4 Lt.
IV	Ø 45	2.4	Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: NON DISPONIBILE pag. 10.01
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN pag. 11.01
			Supporto stamp. aperto	: Ø 40 SSA#C pag. 12.01
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN pag. 13.01
			Piastra per supporto	: Ø 40 PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 4
I	$\varnothing 90$	9.5	Corsa	: 825 mm
II	$\varnothing 75$	6.6	Peso Cilindro	: 20.2 Kg
III	$\varnothing 60$	4.2	Volume di lavoro	: 3.6 Lt
IV	$\varnothing 45$	2.4	Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 40$ SC#CSSIN
			Supporto stamp. aperto	: $\varnothing 40$ SSA#C
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			Piastra per supporto	: $\varnothing 40$ PSA#1

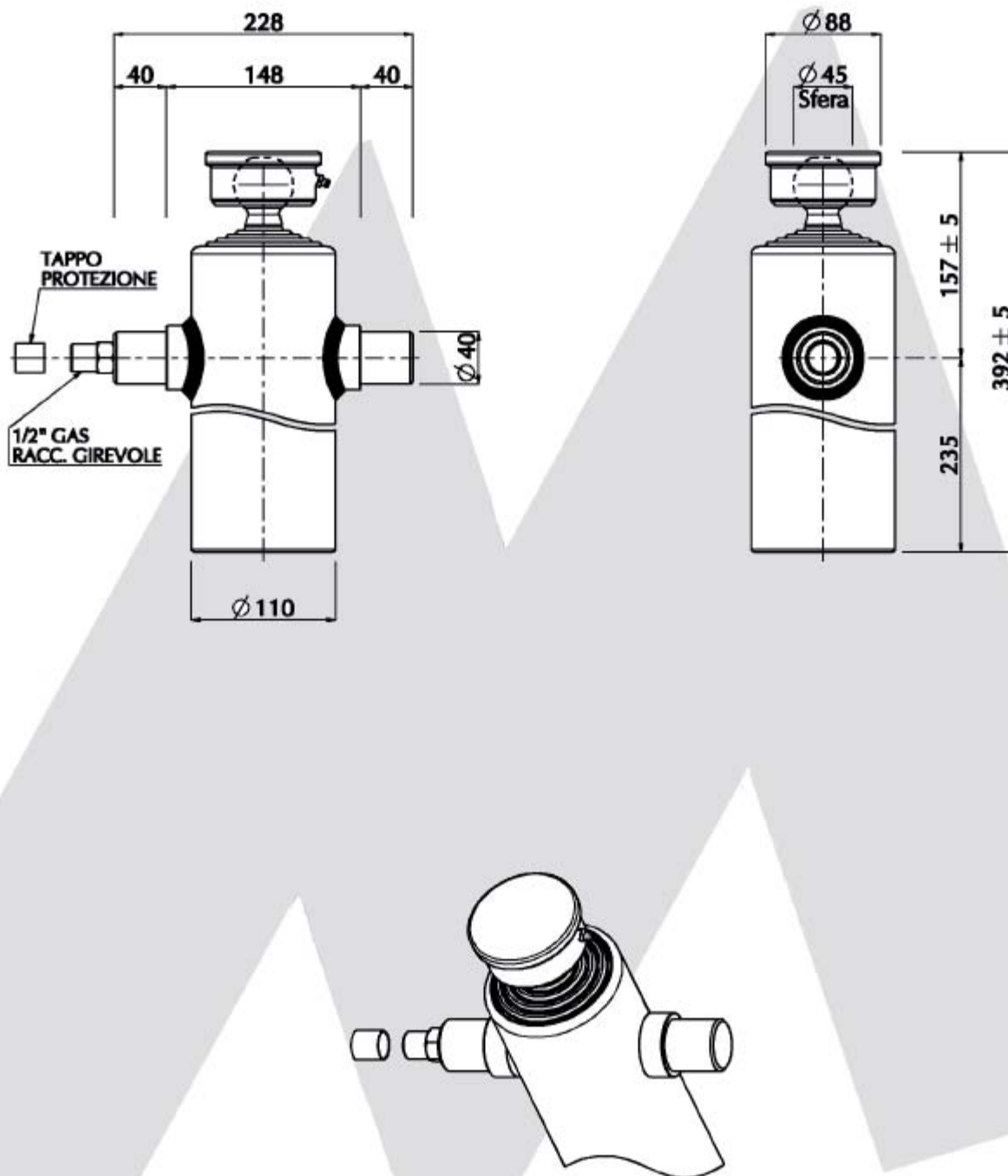


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4		
I	Ø 90	9.5	Corsa : 960 mm		
II	Ø 75	6.6	Peso Cilindro : 21.7 Kg		
III	Ø 60	4.2	Volume di lavoro : 4.2 Lt.		
IV	Ø 45	2.4	Pressione max. di lavoro : 200 bar		
V			Temperatura d'esercizio : -30°C ↔ +100°C		
VI					
VII					
VIII					
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI		
			Culla	: 3	CU#AB
			Supporto stamp. chiuso c/ing.	: Ø40	SC#CSSIN
			Supporto stamp. aperto	: Ø40	SSA#C
			Supporto aperto tipo "E"	: Ø40	SA#CENPNIN
			Piastra per supporto	: Ø40	PSA#1

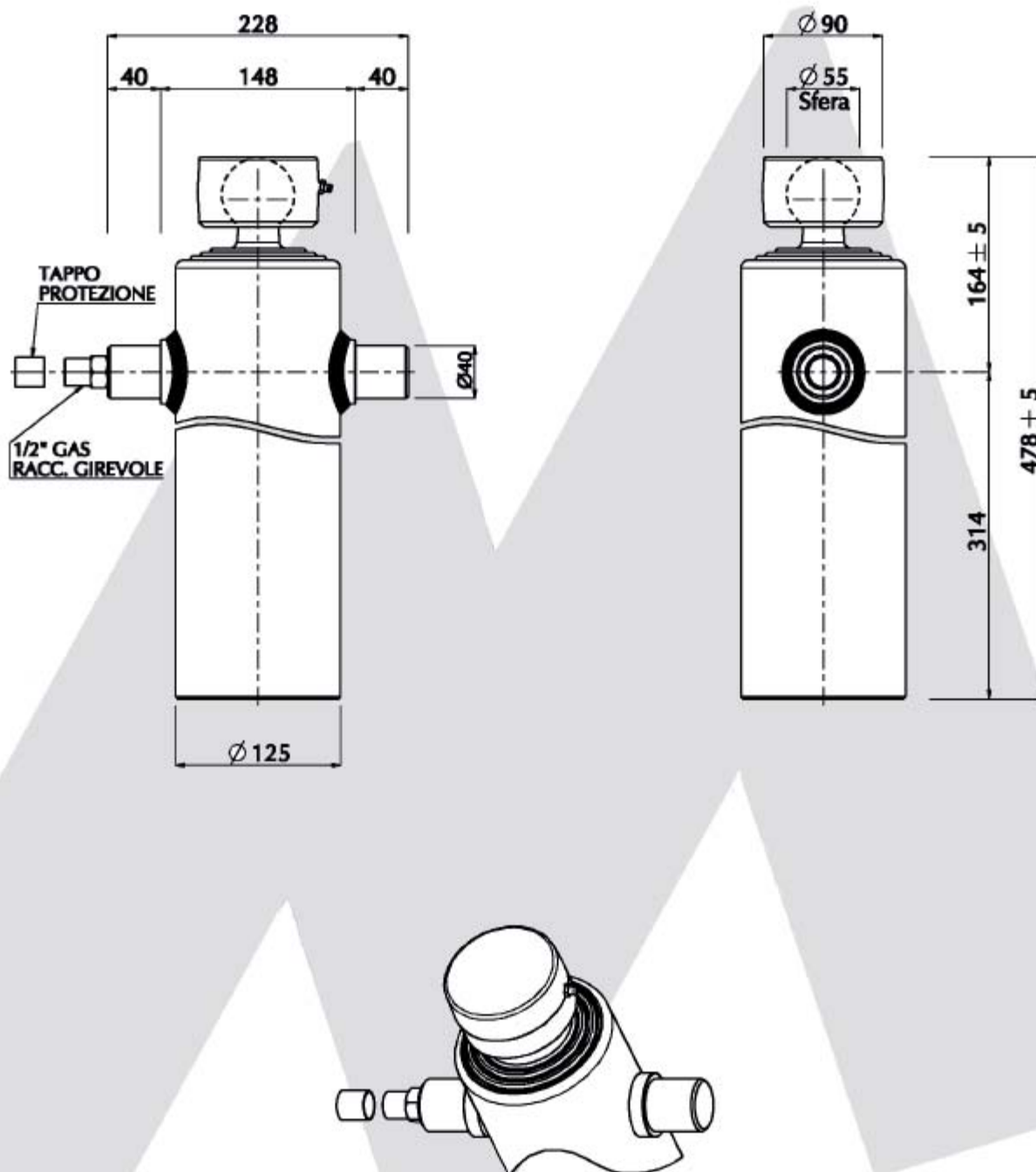


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Peso Cilindro	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	$\varnothing 90$	9.5	: 4	: 1200 mm	: 25.4 Kg	: 5.2 Lt	: 200 bar
II	$\varnothing 75$	6.6					: -30°C $\longleftrightarrow$ +100°C
III	$\varnothing 60$	4.2					
IV	$\varnothing 45$	2.4					
V							
VI							
VII							
VIII							

ACCESSORI		
Culla	: 3	CU#AB
Supporto stamp. chiuso c/ing.	: $\varnothing 40$	SC#CSSIN
Supporto stamp. aperto	: $\varnothing 40$	SSA#C
Supporto aperto tipo "E"	: $\varnothing 40$	SA#CENPNIN
Piastra per supporto	: $\varnothing 40$	PSA#1

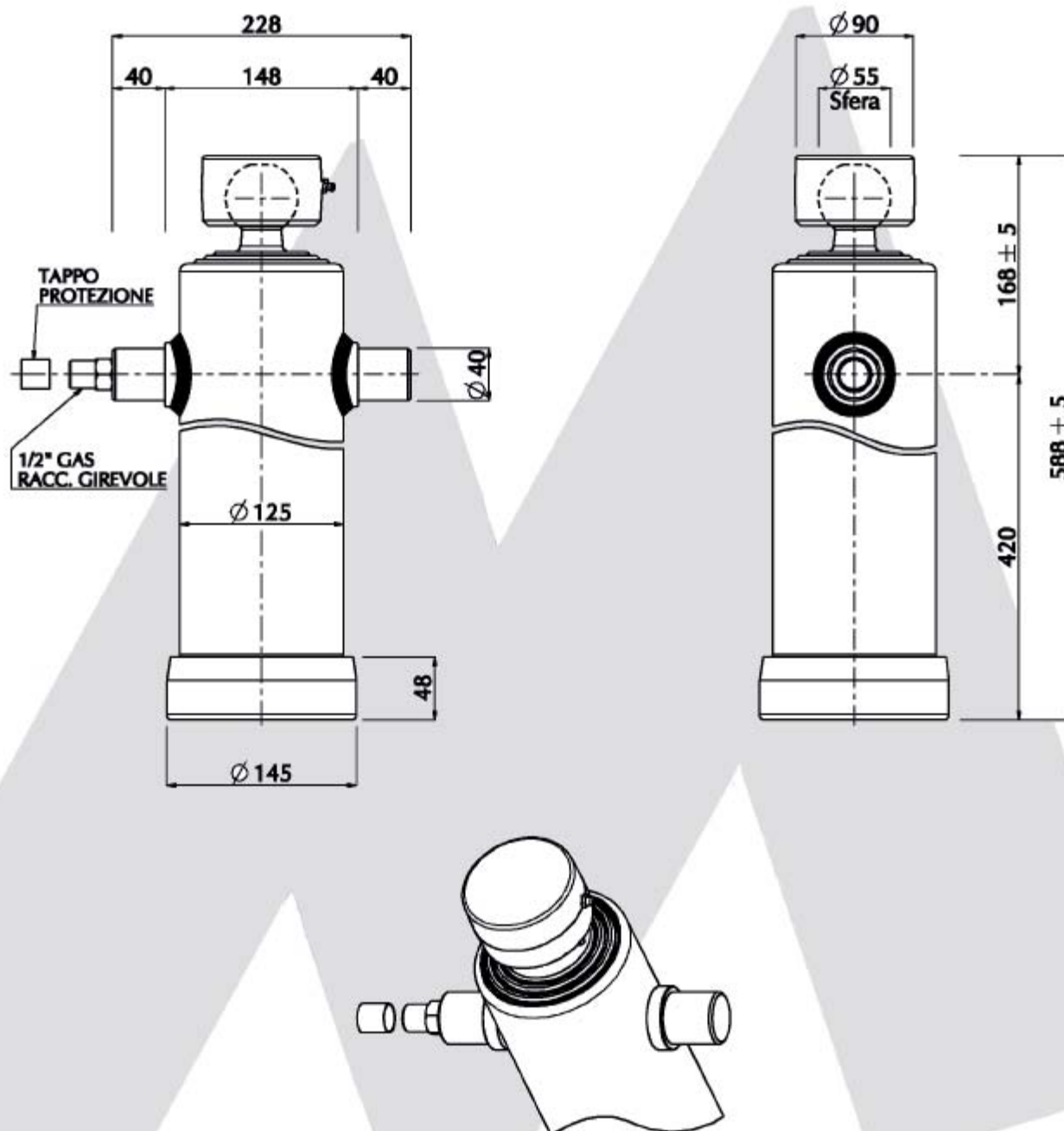


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 5
I	Ø 90	9.5	Corsa	: 1200 mm
II	Ø 75	6.6	Peso Cilindro	: 21.3 Kg
III	Ø 60	4.2	Volume di lavoro	: 4.4 Lt
IV	Ø 45	2.4	Pressione max. di lavoro	: 200 bar
V	Ø 32	1.2	Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN
			Supporto stamp. aperto	: Ø 40 SSA#C
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN
			Piastra per supporto	: Ø 40 PSA#1

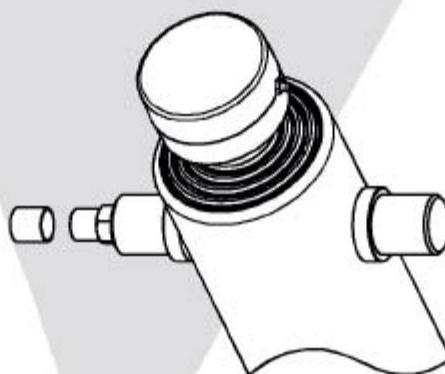
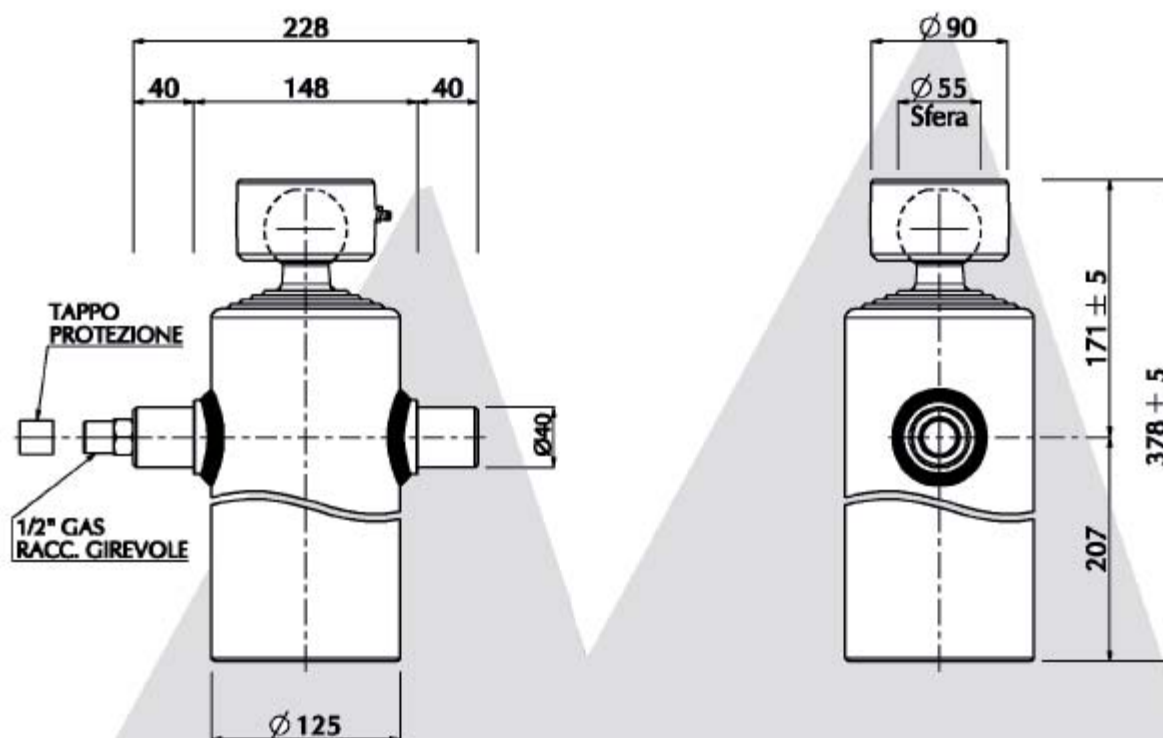


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 3
I	Ø 105	13.0	Corsa : 900 mm
II	Ø 90	9.5	Peso Cilindro : 27.45 Kg
III	Ø 75	6.6	Volume di lavoro : 7.5 Lt.
IV			Pressione max. di lavoro : 200 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 3 CU#AB
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1

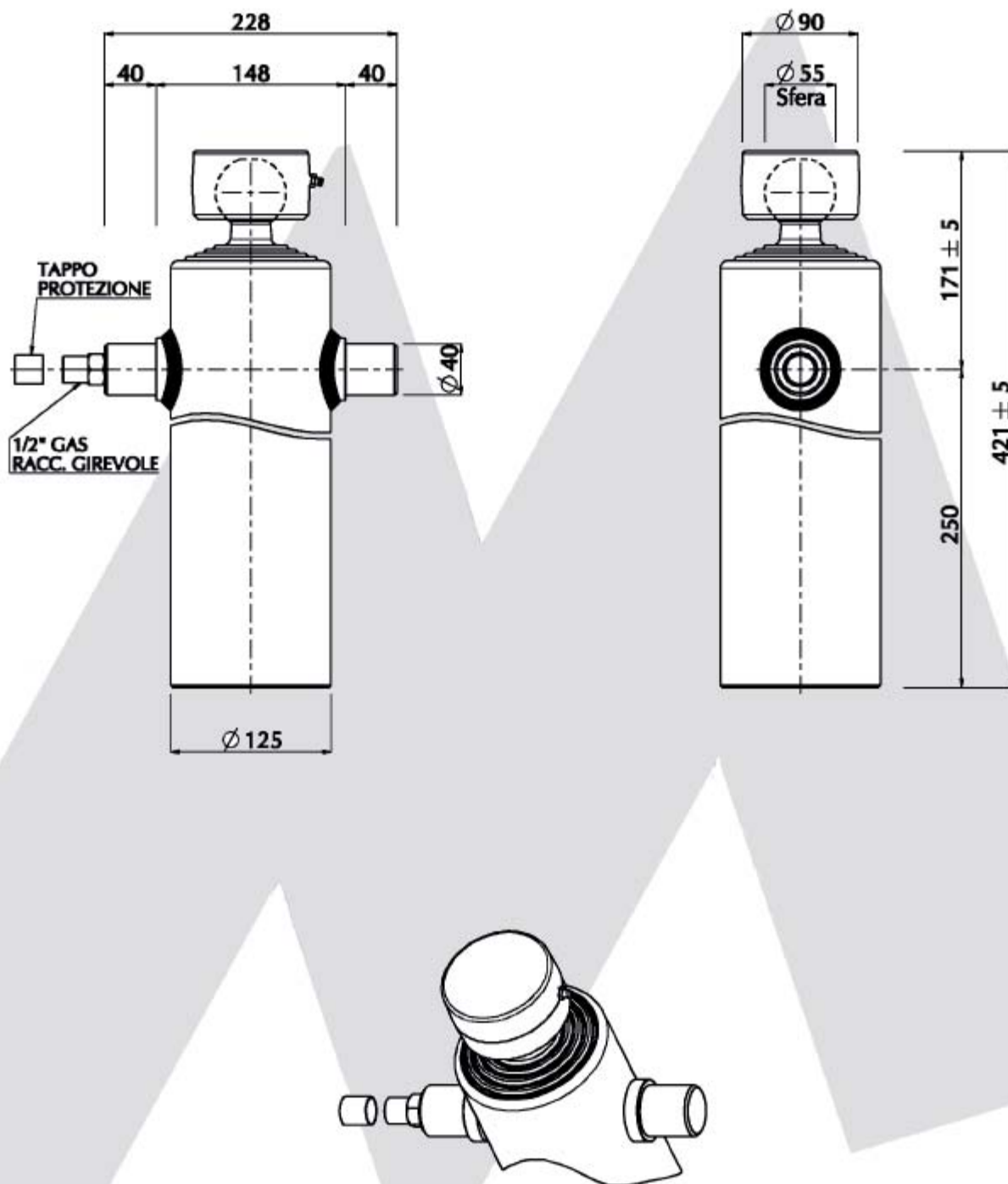
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Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Peso Cilindro	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	Ø 105	13.0	: 3 : 1285 mm	: 35.3 Kg	: 9.3 Lt.	: 200 bar	: -30°C ↔ +100°C
II	Ø 90	9.5					
III	Ø 75	6.6					
IV							
V							
VI							
VII							
VIII							
ACCESSORI							
			Culla	: 3	CU#AB		
			Supporto stamp. chiuso c/ing.	: Ø 40	SC#CSSIN		
			Supporto stamp. aperto	: Ø 40	SSA#C		
			Supporto aperto tipo "E"	: Ø 40	SA#CENPNIN		
			Piastra per supporto	: Ø 40	PSA#1		

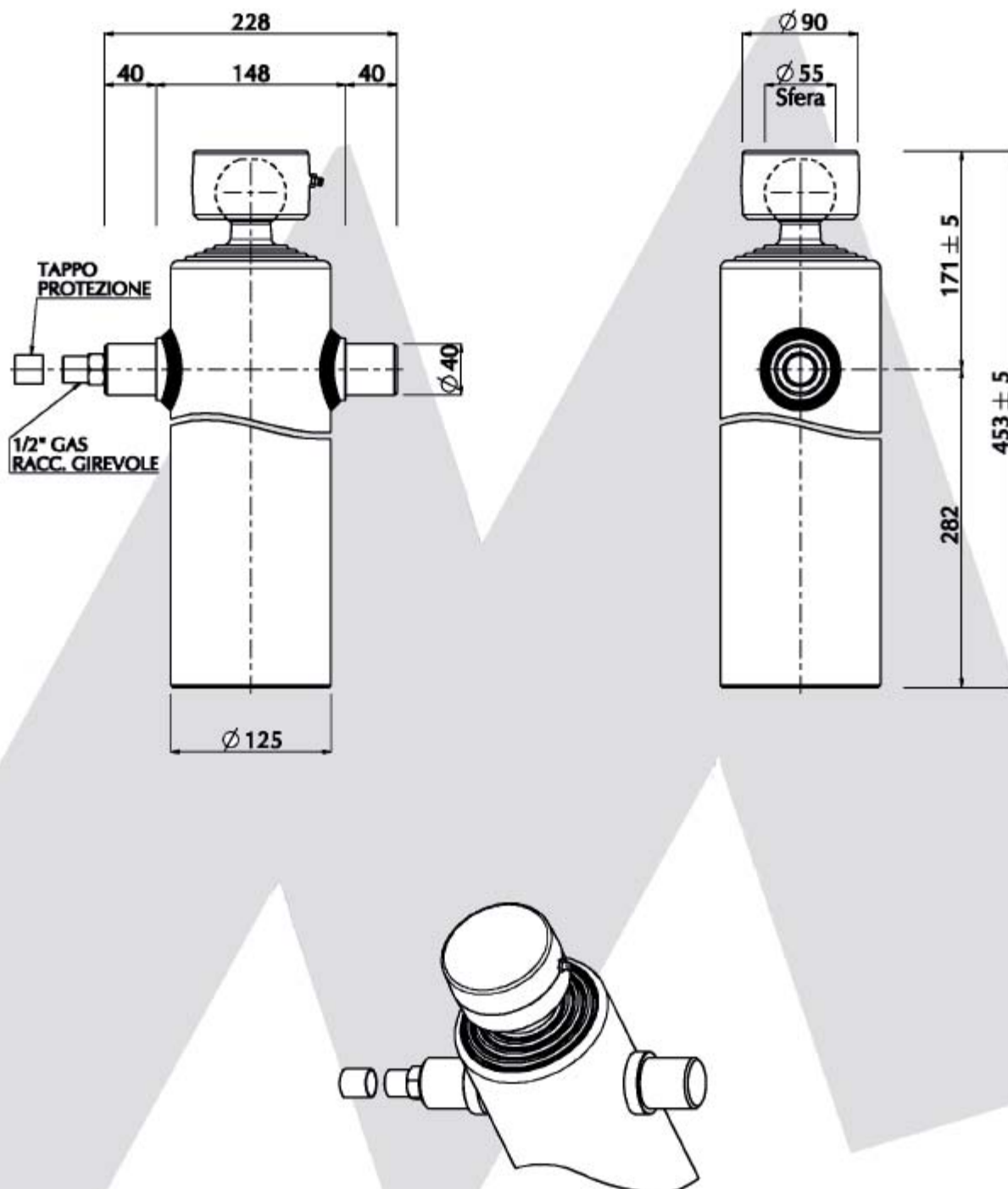


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 105	13.0	Corsa : 825 mm	
II	Ø 90	9.5	Peso Cilindro : 26.25Kg	
III	Ø 75	6.6	Volume di lavoro : 5.1 Lt.	
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 3	CU#AB
			Supporto stamp. chiuso c/ing. : Ø 40	SC#CSSIN
			Supporto stamp. aperto : Ø 40	SSA#C
			Supporto aperto tipo "E" : Ø 40	SA#CENPNIN
			Piastra per supporto : Ø 40	PSA#1

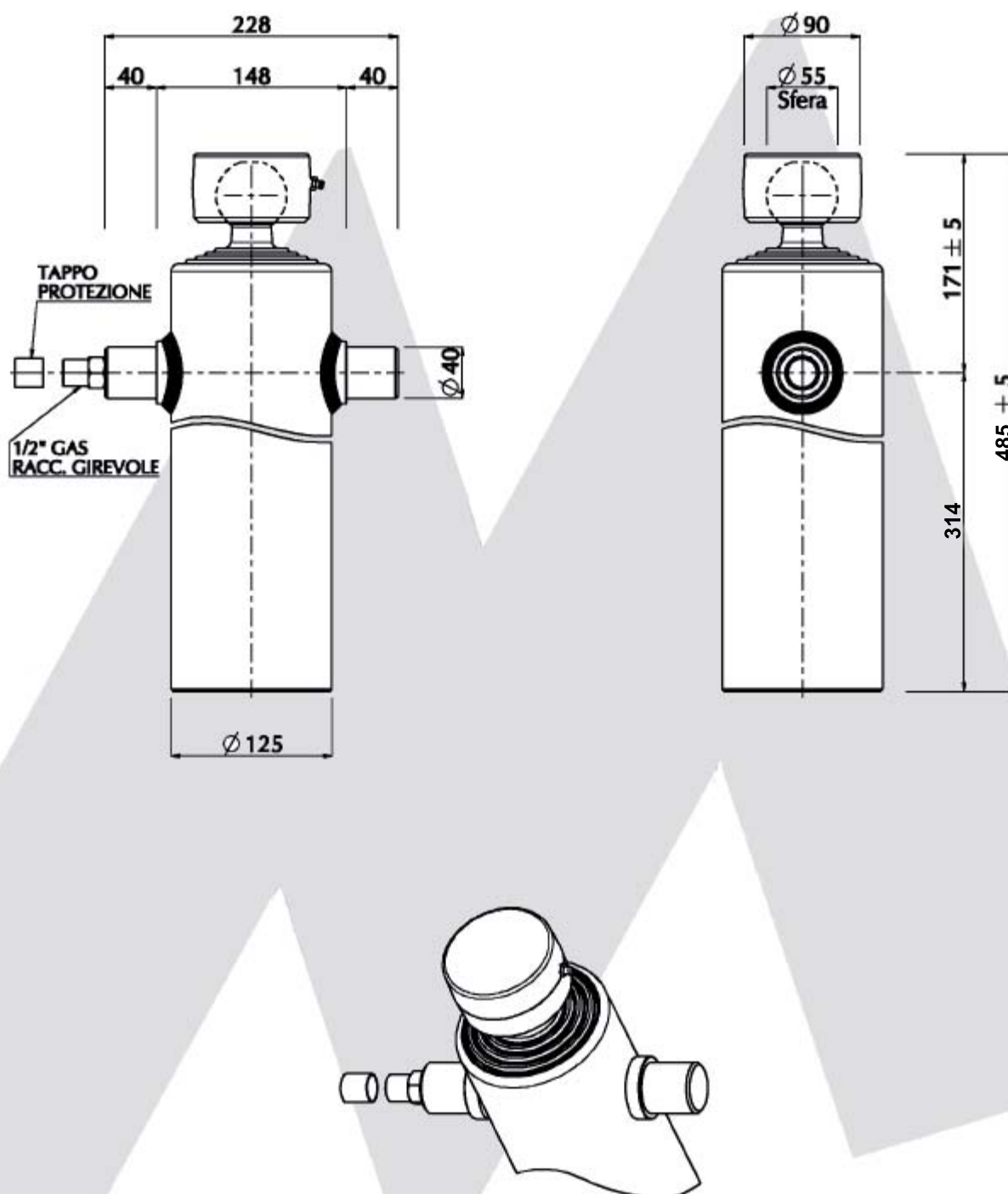


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4
I	Ø 105	13.0	Corsa : 930 mm
II	Ø 90	9.5	Peso Cilindro : 29.3 Kg
III	Ø 75	6.6	Volume di lavoro : 5.8 Lt.
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			
VII			
VIII			
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			

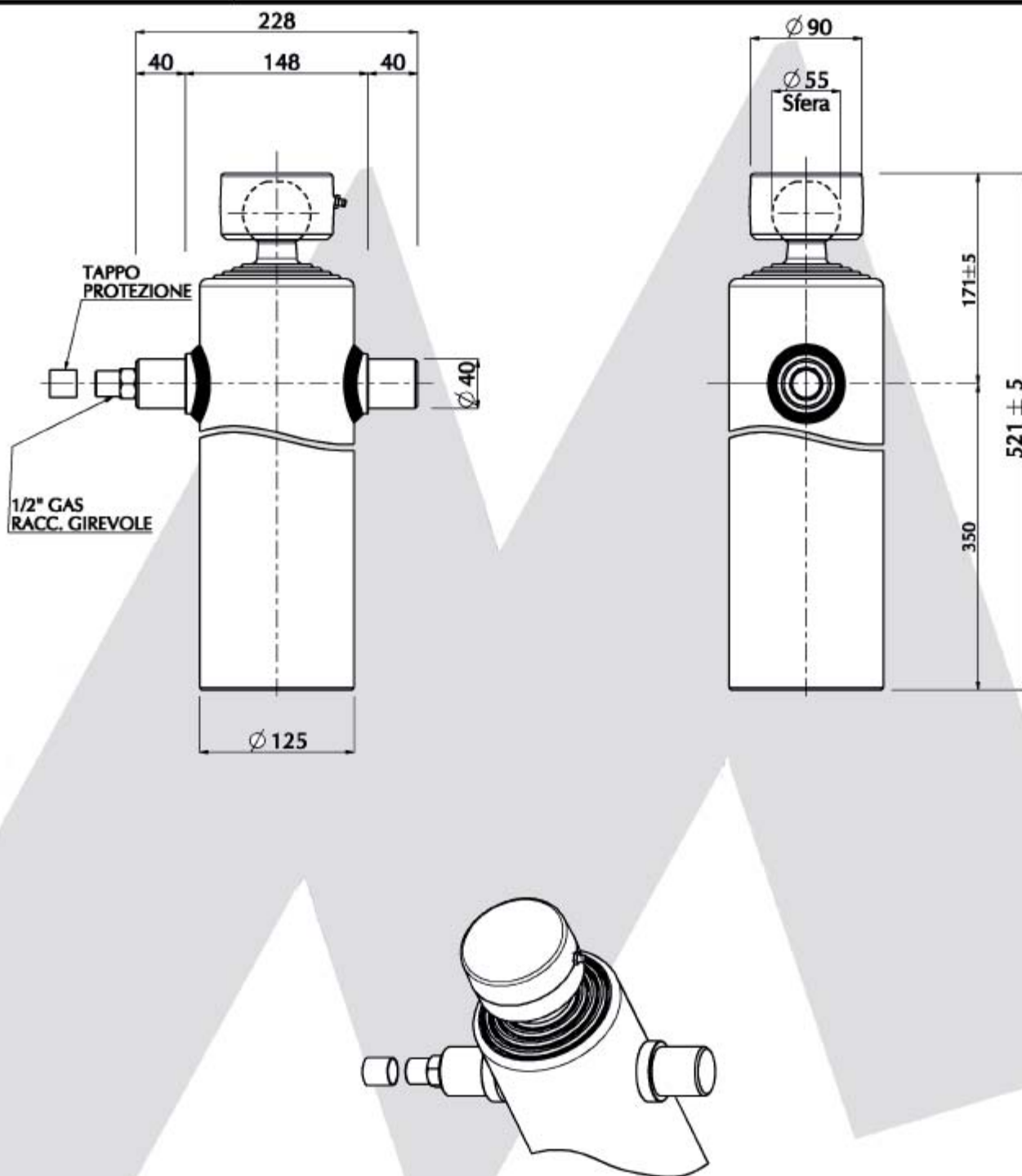
ACCESSORI		
Culla	: 3	CU#AB
Supporto stamp. chiuso c/ing.	: Ø 40	SC#CSSIN
Supporto stamp. aperto	: Ø 40	SSA#C
Supporto aperto tipo "E"	: Ø 40	SA#CENPNIN
Piastra per supporto	: Ø 40	PSA#1



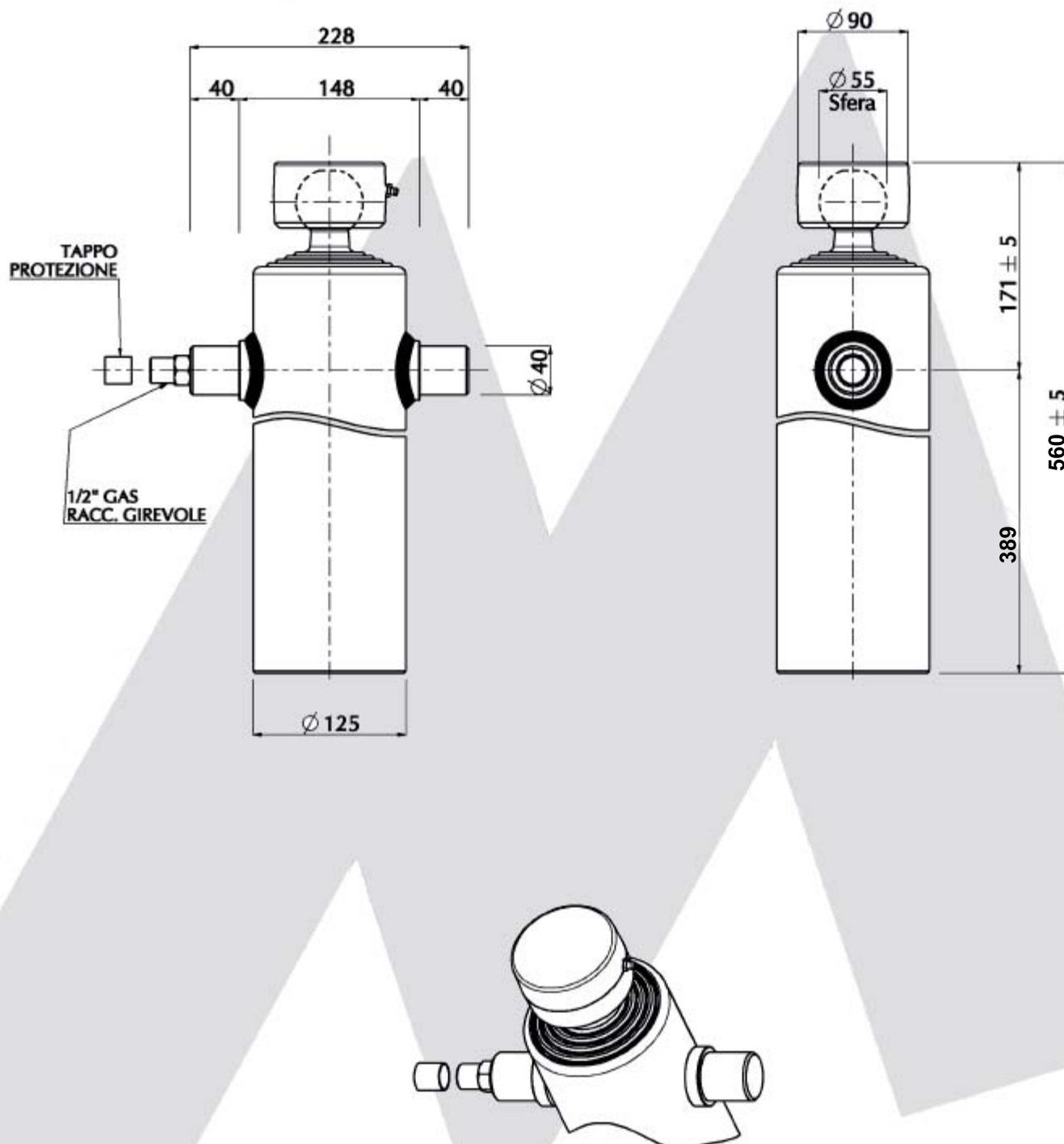
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 105	13.0	Corsa : 1070 mm	
II	Ø 90	9.5	Peso Cilindro : 31.9 Kg	
III	Ø 75	6.6	Volume di lavoro : 6.7 Lt.	
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 3	CU#AB
			Supporto stamp. chiuso c/ing. : Ø40	SC#CSSIN
			Supporto stamp. aperto : Ø40	SSA#C
			Supporto aperto tipo "E" : Ø40	SA#CENPNIN
			Piastra per supporto : Ø40	PSA#1



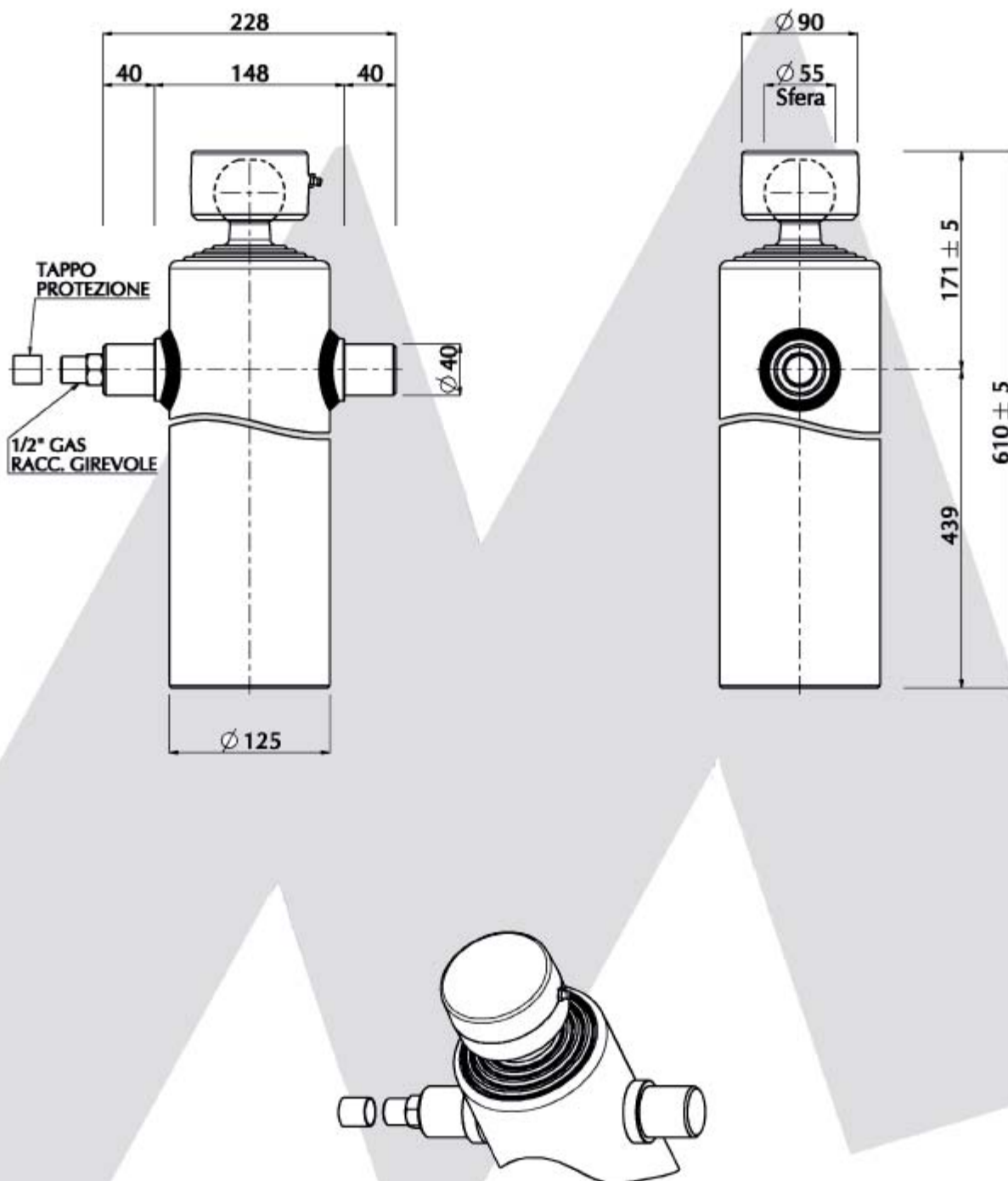
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 105	13.0	Corsa : 1200 mm	
II	Ø 90	9.5	Peso Cilindro : 34,2 Kg	
III	Ø 75	6.6	Volume di lavoro : 7,5 Lt.	
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 3	CU#AB
			Supporto stamp. chiuso c/ing. : Ø 40	SC#CSSIN
			Supporto stamp. aperto : Ø 40	SSA#C
			Supporto aperto tipo "E" : Ø 40	SA#CENPNIN
			Piastra per supporto : Ø 40	PSA#1



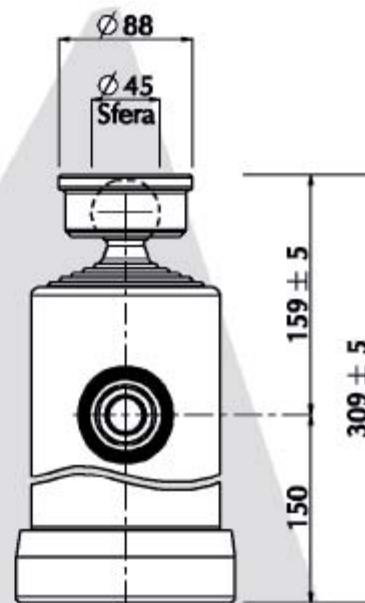
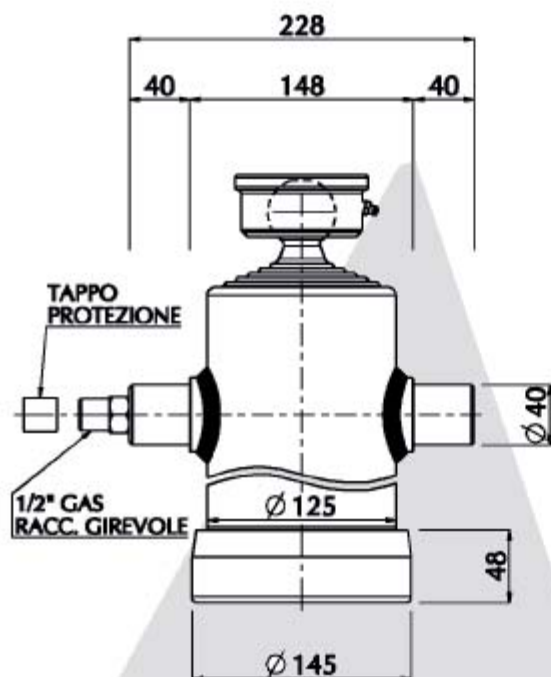
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 105	13.0	Corsa : 1350 mm	
II	Ø 90	9.5	Peso Cilindro : 37.25 Kg	
III	Ø 75	6.6	Volume di lavoro : 8.4 Lt.	
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 3	CU#AB
			Supporto stamp. chiuso c/ing. : Ø 40	SC#CSSIN
			Supporto stamp. aperto : Ø 40	SSA#C
			Supporto aperto tipo "E" : Ø 40	SA#CENPNIN
			Piastra per supporto : Ø 40	PSA#1



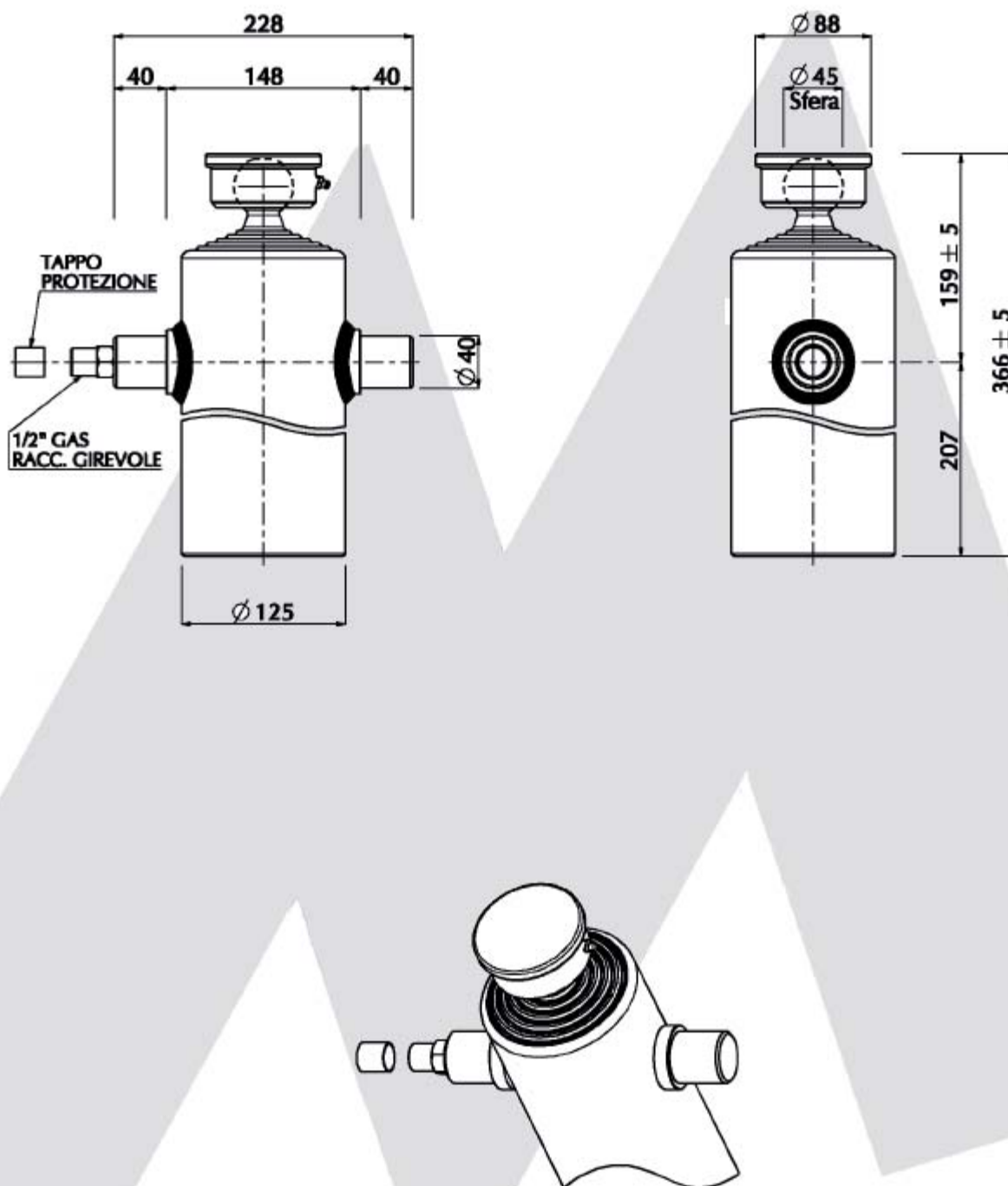
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 4
I	$\varnothing 105$	13.0	Corsa	: 1500 mm
II	$\varnothing 90$	9.5	Peso Cilindro	: 40.35 Kg
III	$\varnothing 75$	6.6	Volume di lavoro	: 9.4 Lt.
IV	$\varnothing 60$	4.2	Pressione max. di lavoro	: 200 bar
V			Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 40$ SC#CSSIN
			Supporto stamp. aperto	: $\varnothing 40$ SSA#C
			Supporto aperto tipo "E"	: $\varnothing 40$ SA#CENPNIN
			Piastra per supporto	: $\varnothing 40$ PSA#1



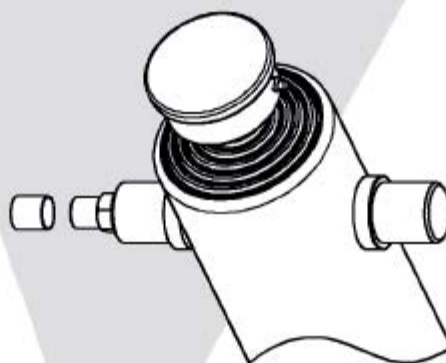
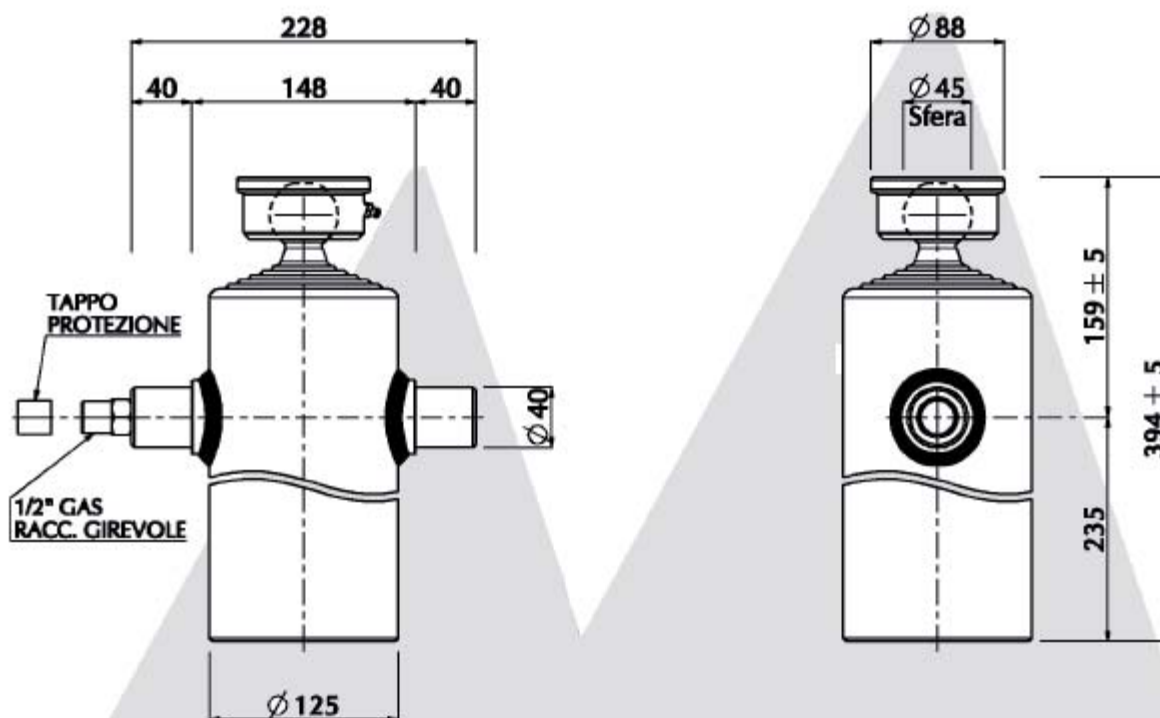
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 105	13.0	Corsa : 1700 mm	
II	Ø 90	9.5	Peso Cilindro : 44.2 Kg	
III	Ø 75	6.6	Volume di lavoro : 10.6 Lt.	
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 3	CU#AB
			Supporto stamp. chiuso c/ing. : Ø 40	SC#CSSIN
			Supporto stamp. aperto : Ø 40	SSA#C
			Supporto aperto tipo "E" : Ø 40	SA#CENPNIN
			Piastra per supporto : Ø 40	PSA#1



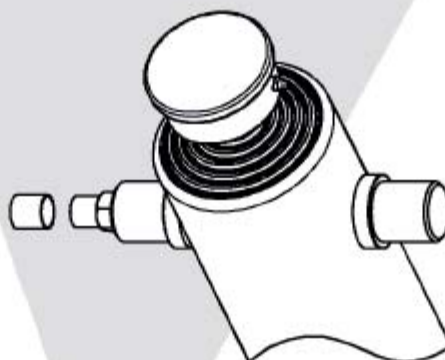
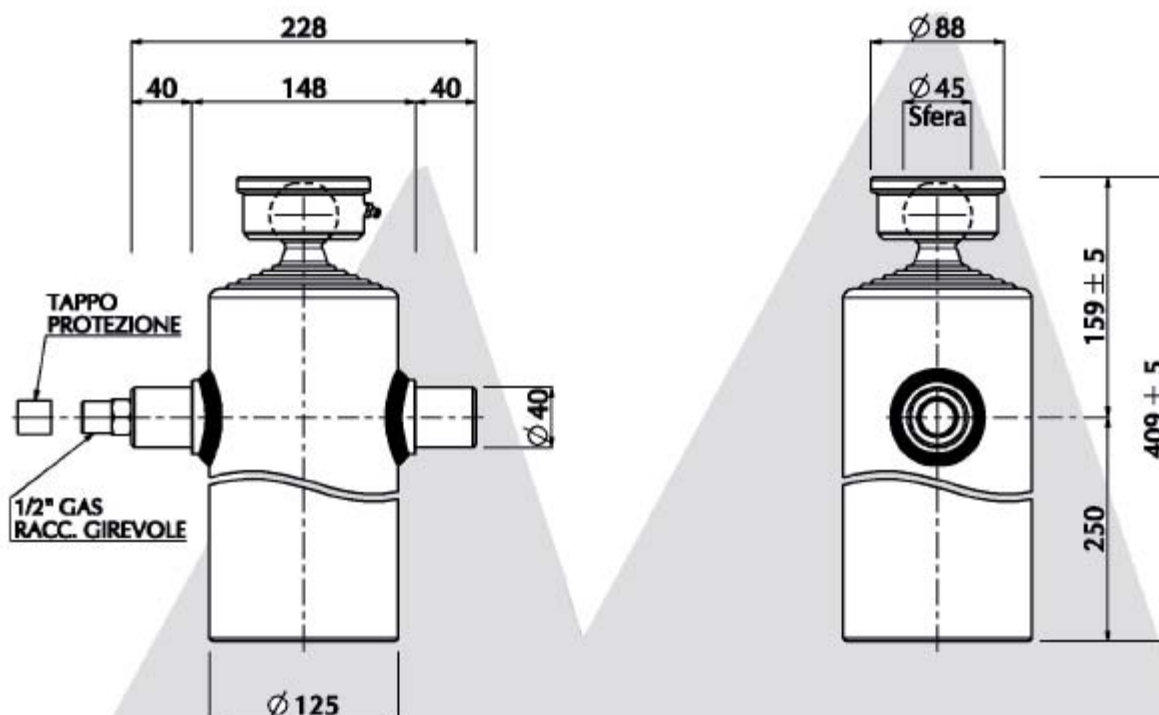
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 105	13.0	Corsa : 840 mm
II	Ø 90	9.5	Peso Cilindro : 22.25 Kg
III	Ø 75	6.6	Volume di lavoro : 4.5 Lt.
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V	Ø 45	2.4	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 3 CU#AB
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1



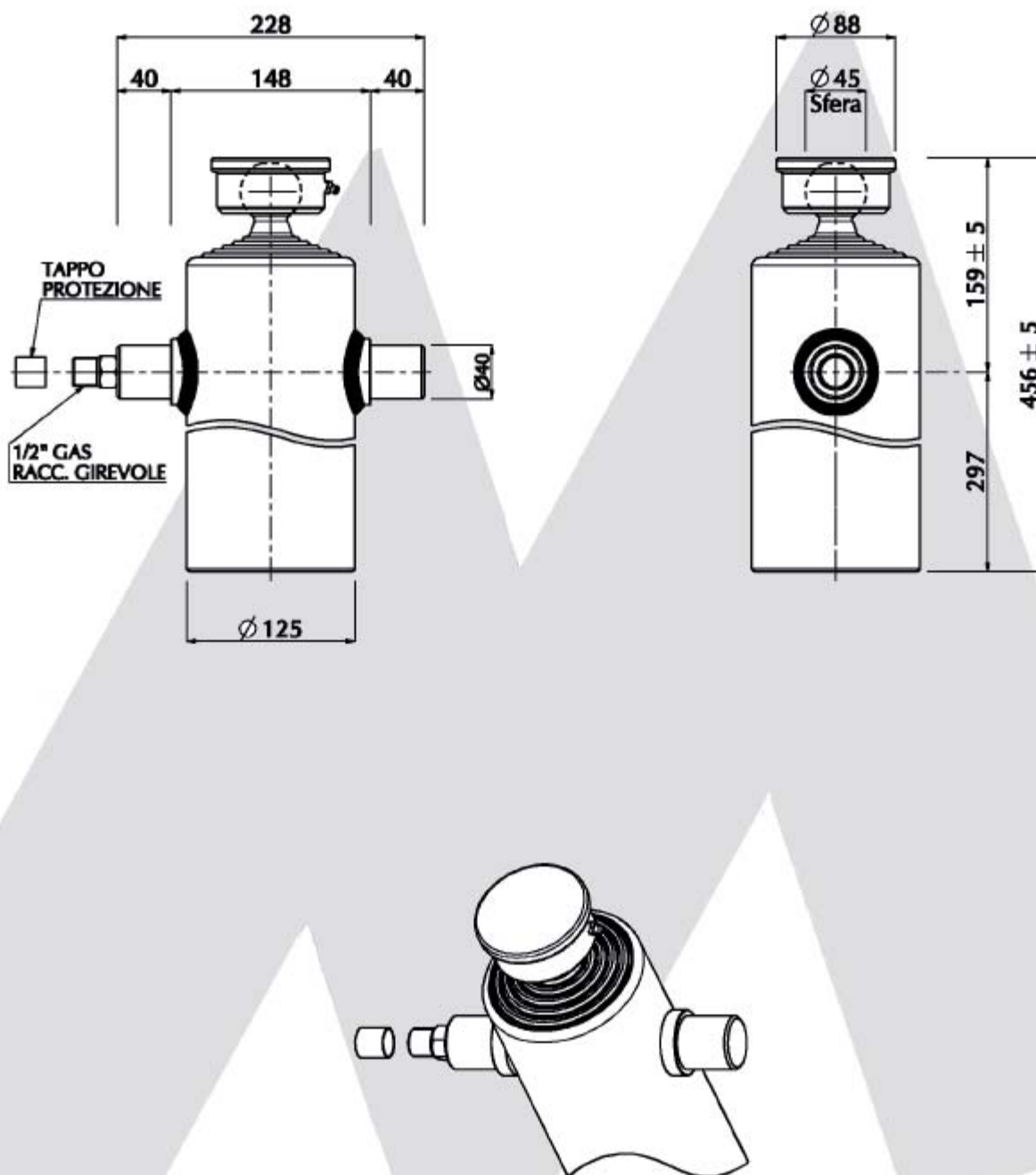
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 105	13.0	Corsa : 1050 mm
II	Ø 90	9.5	Peso Cilindro : 24.55Kg
III	Ø 75	6.6	Volume di lavoro : 5.7 Lt
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V	Ø 45	2.4	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 3 CU#AB
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1



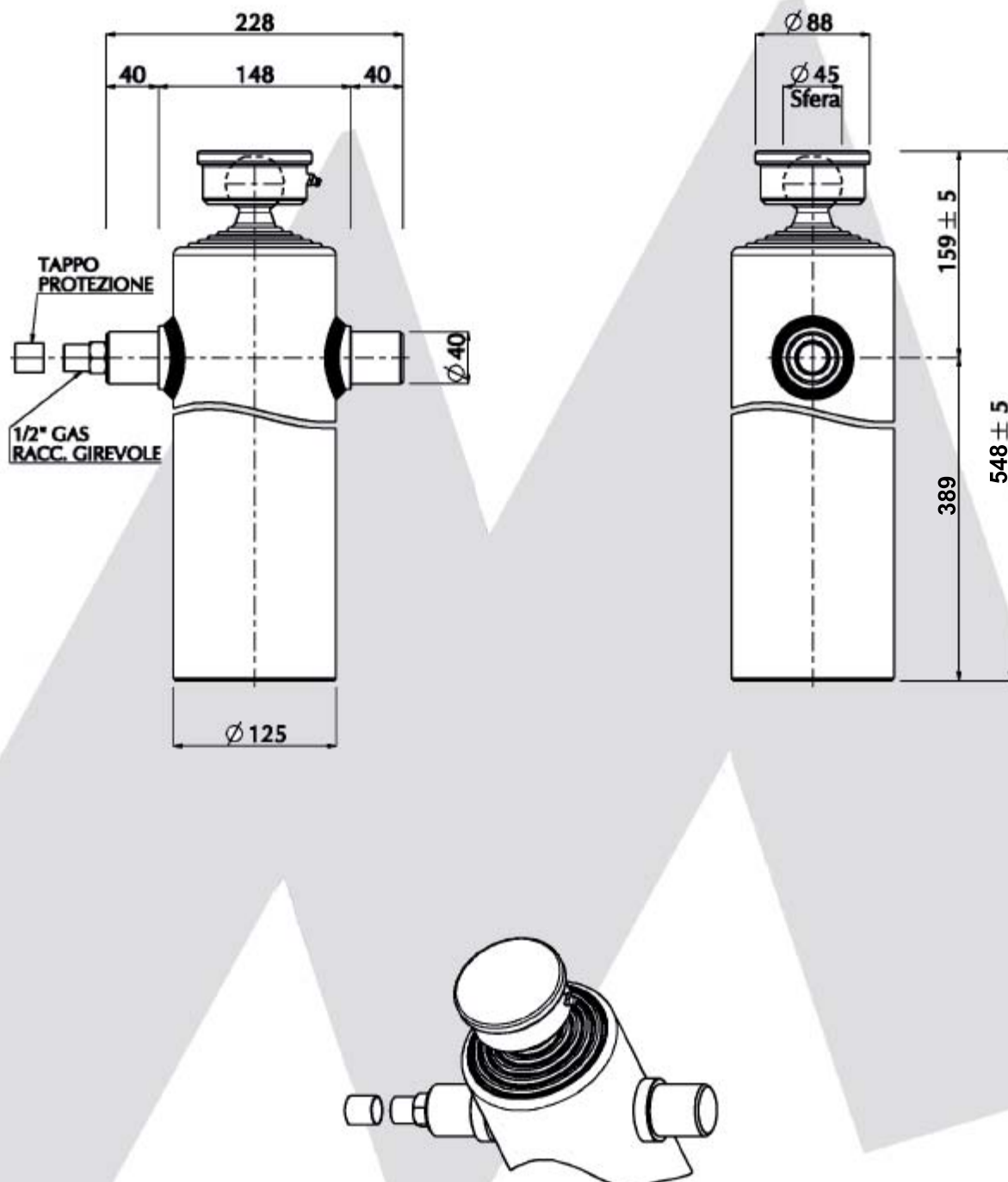
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]		
I	$\varnothing 105$	13.0	Numero sfilate	: 5
II	$\varnothing 90$	9.5	Corsa	: 1200 mm
III	$\varnothing 75$	6.6	Peso Cilindro	: 27.1 Kg
IV	$\varnothing 60$	4.2	Volume di lavoro	: 6.5 Lt.
V	$\varnothing 45$	2.4	Pressione max. di lavoro	: 200 bar
VI			Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VII			ACCESSORI	
VIII			Culla	: 3 CU#AB
			Supporto stamp. chiuso c/ing.	: $\varnothing 40$ SC#CSSIN
			Supporto stamp. aperto	: $\varnothing 40$ SSA#C
			Supporto aperto tipo "E"	: $\varnothing 40$ SA#CENPNIN
			Piastra per supporto	: $\varnothing 40$ PSA#1



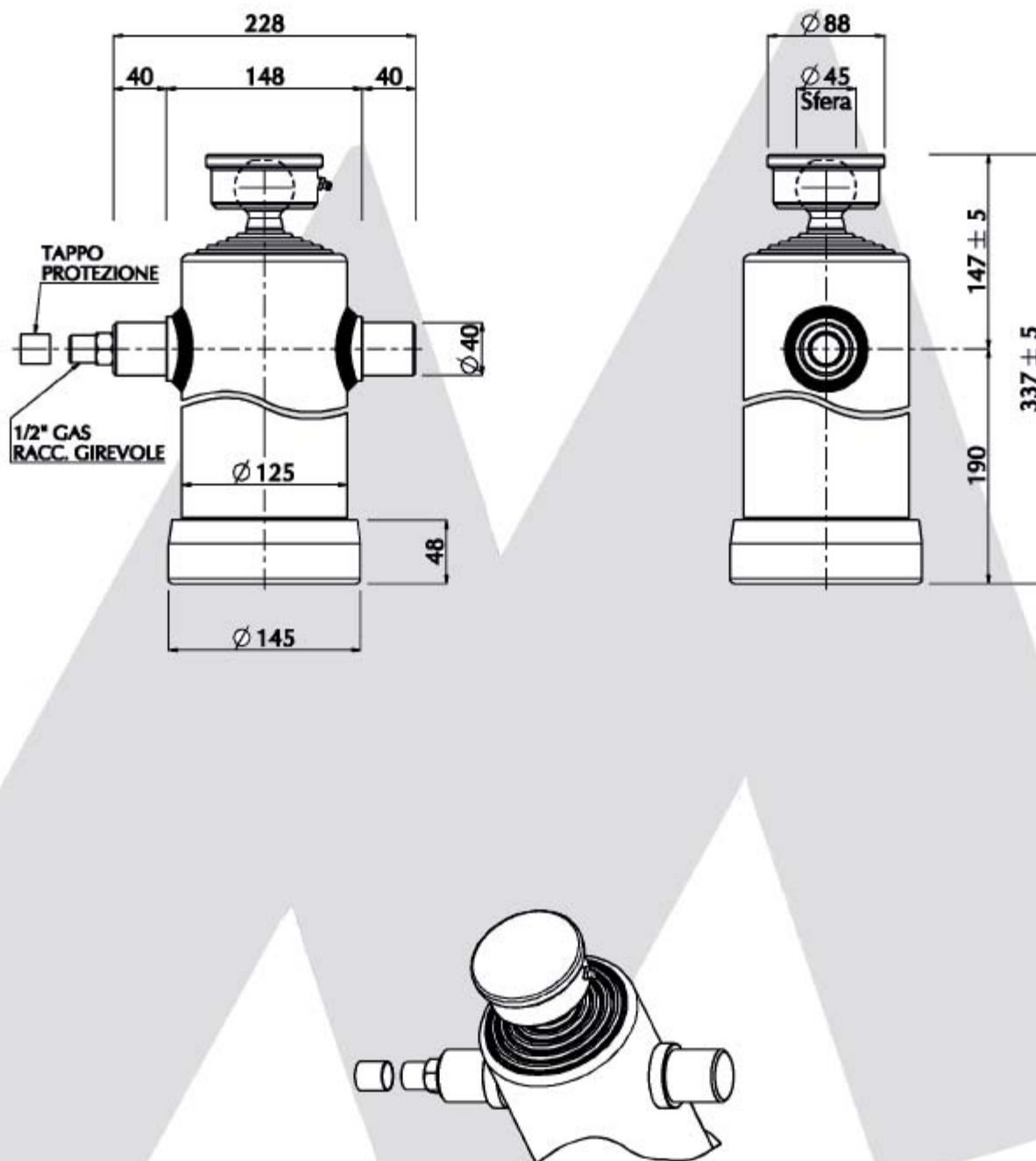
Sfilete [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilete	: 5
I	$\varnothing 105$	13.0	Corsa	: 1260 mm
II	$\varnothing 90$	9.5	Peso Cilindro	: 27.8 Kg
III	$\varnothing 75$	6.6	Volume di lavoro	: 6.8 Lt.
IV	$\varnothing 60$	4.2	Pressione max. di lavoro	: 200 bar
V	$\varnothing 45$	2.4	Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 40$ SC#CSSIN
			Supporto stamp. aperto	: $\varnothing 40$ SSA#C
			Supporto aperto tipo "E"	: $\varnothing 40$ SA#CENPNIN
			Piastra per supporto	: $\varnothing 40$ PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 105	13.0	Corsa : 1460 mm
II	Ø 90	9.5	Peso Cilindro : 31.5 Kg
III	Ø 75	6.6	Volume di lavoro : 7.9 Lt
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V	Ø 45	2.4	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 3 CU#AB
VIII			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1

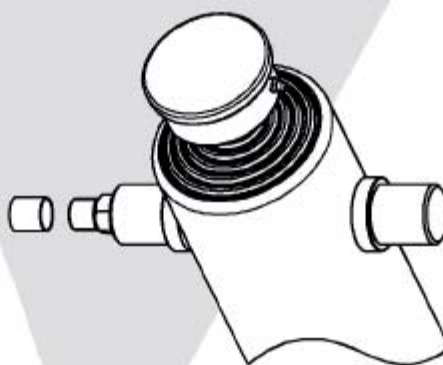
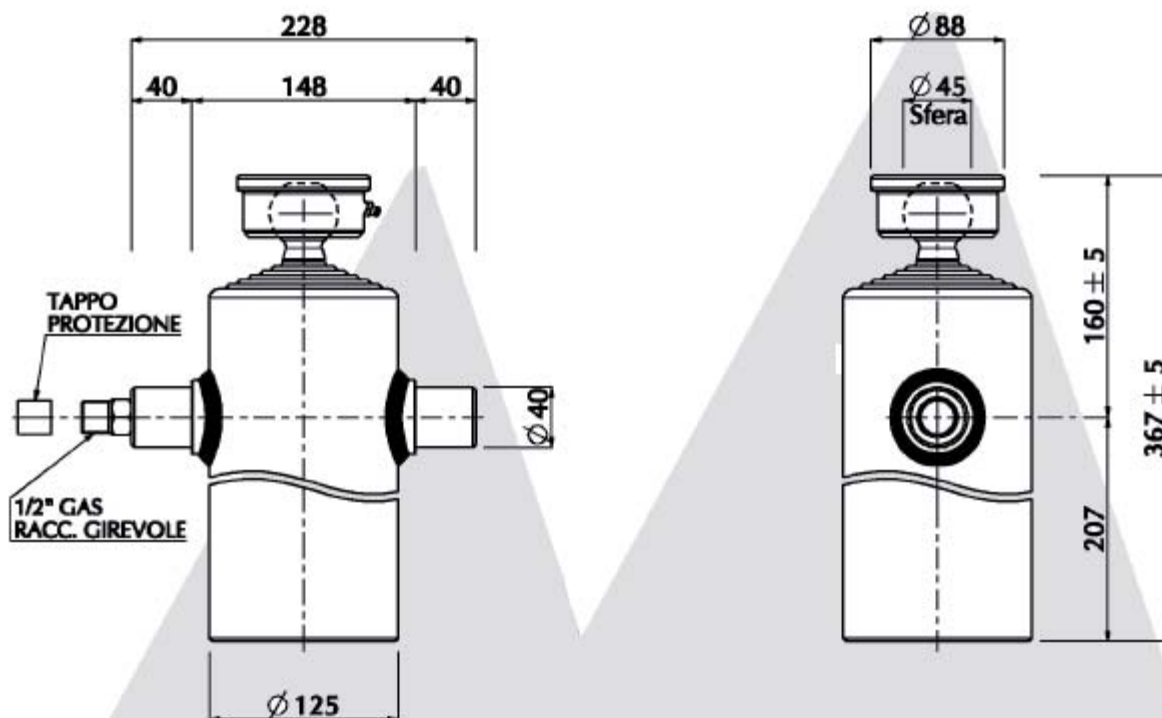


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 5
I	Ø 105	13.0	Corsa	: 1875 mm
II	Ø 90	9.5	Peso Cilindro	: 38.0 Kg
III	Ø 75	6.6	Volume di lavoro	: 10.1 Lt.
IV	Ø 60	4.2	Pressione max. di lavoro	: 200 bar
V	Ø 45	2.4	Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: 3 CU#AB
VIII			Supporto stamp. chiuso c/ing.	: Ø 40 SC#CSSIN
			Supporto stamp. aperto	: Ø 40 SSA#C
			Supporto aperto tipo "E"	: Ø 40 SA#CENPNIN
			Piastra per supporto	: Ø 40 PSA#1

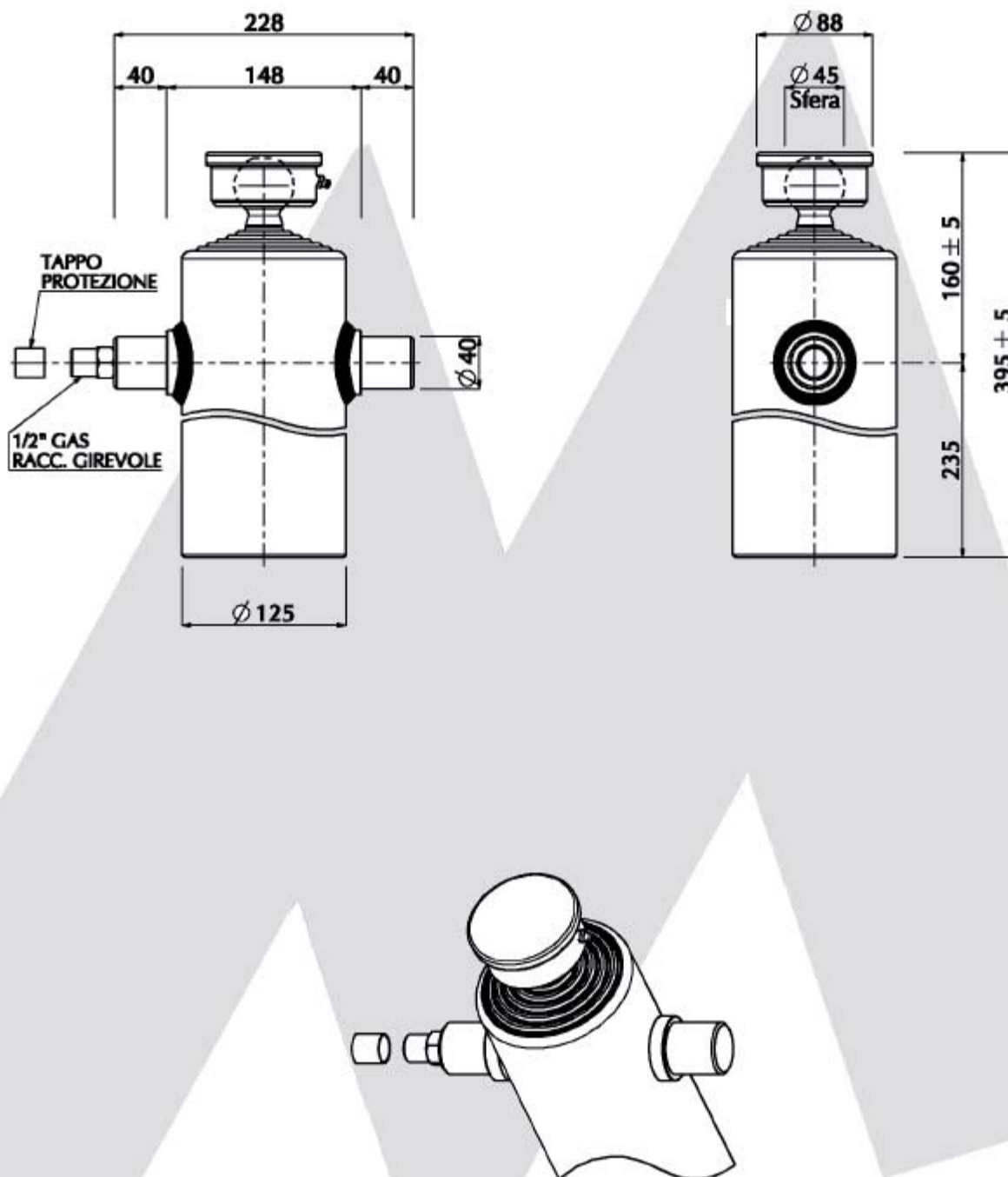


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Peso Cilindro	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	Ø 105	13.0	: 6	: 1160 mm	: 23.95 Kg	: 5.4 Lt	: 200 bar
II	Ø 90	9.5					: -30°C ↔ +100°C
III	Ø 75	6.6					
IV	Ø 60	4.2					
V	Ø 45	2.4					
VI	Ø 32	1.2					
VII							
VIII							

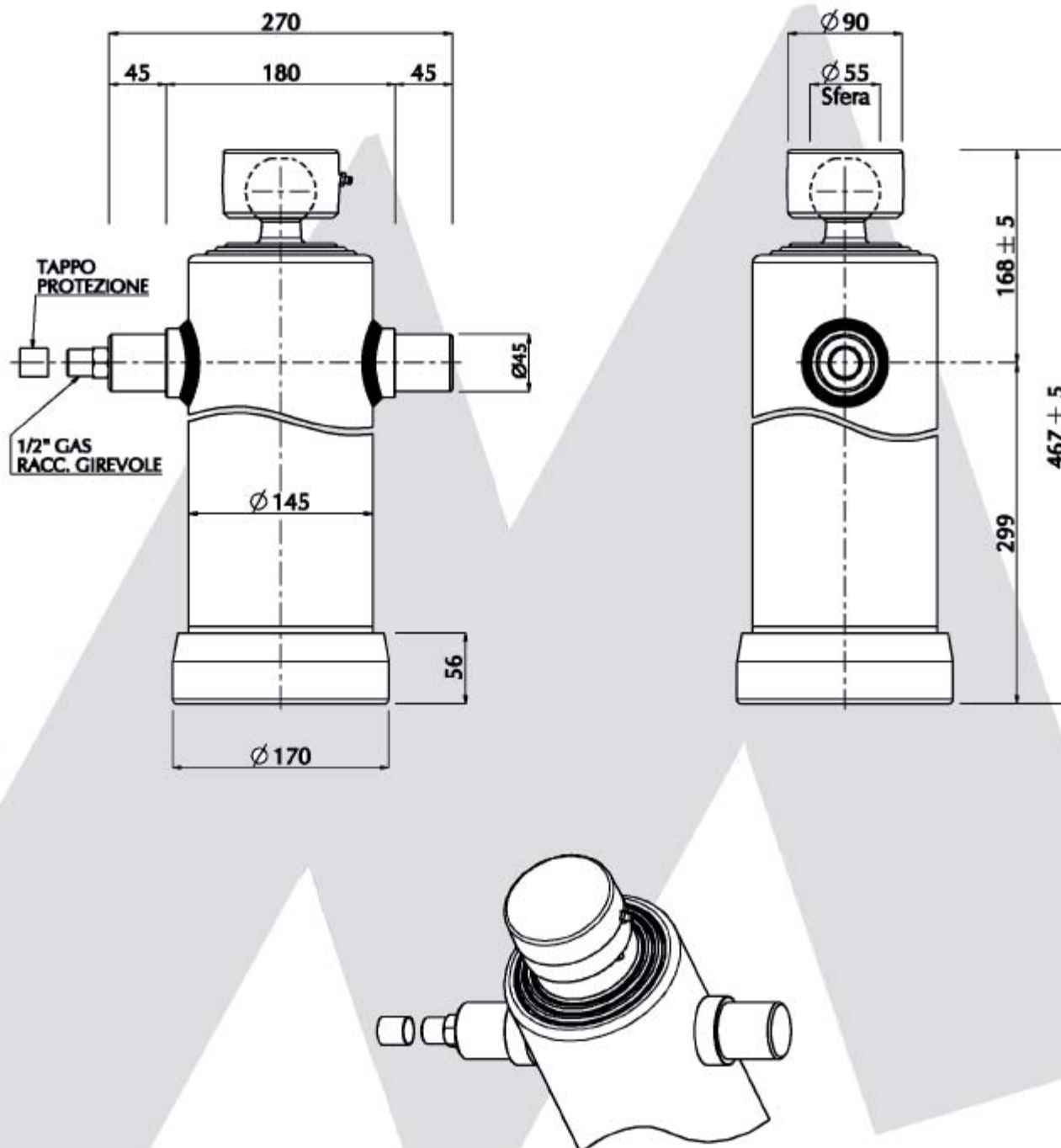
ACCESSORI		
Culla	: 3	CU#AB
Supporto stamp. chiuso c/ing.	: Ø 40	SC#CSSIN
Supporto stamp. aperto	: Ø 40	SSA#C
Supporto aperto tipo "E"	: Ø 40	SA#CENPNIN
Piastra per supporto	: Ø 40	PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6
I	Ø 105	13.0	Corsa : 1250 mm
II	Ø 90	9.5	Peso Cilindro : 24.25Kg
III	Ø 75	6.6	Volume di lavoro : 5.8 Lt.
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V	Ø 45	2.4	Temperatura d'esercizio : -30°C ↔ +100°C
VI	Ø 32	1.2	
VII			
VIII			
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI
			Culla : 3 CU#AB
			Supporto stamp. chiuso c/ing. : Ø 40 SC#CSSIN
			Supporto stamp. aperto : Ø 40 SSA#C
			Supporto aperto tipo "E" : Ø 40 SA#CENPNIN
			Piastra per supporto : Ø 40 PSA#1

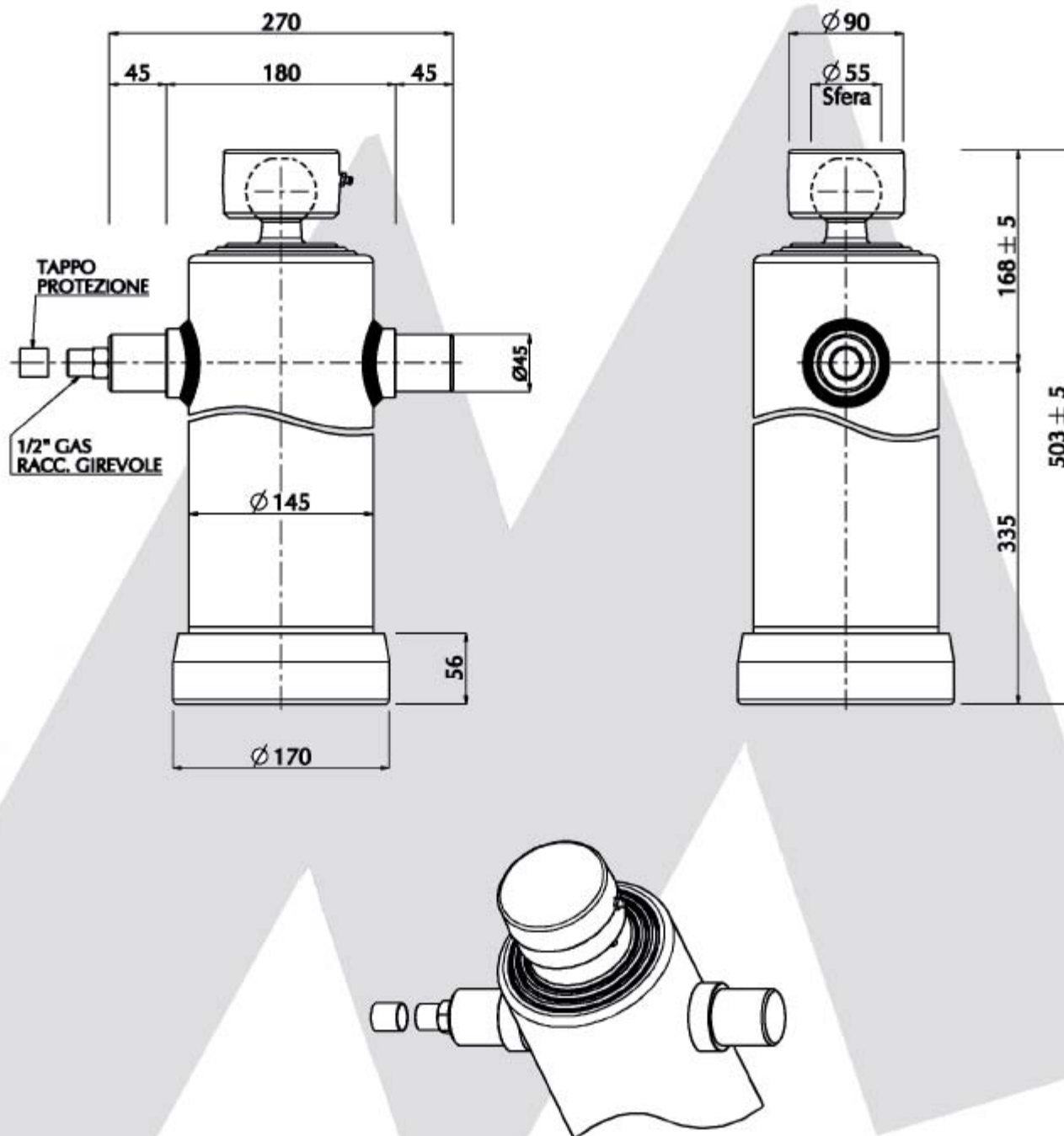


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6
I	Ø 105	13.0	Corsa : 1420 mm
II	Ø 90	9.5	Peso Cilindro : 26.15Kg
III	Ø 75	6.6	Volume di lavoro : 6.6 Lt.
IV	Ø 60	4.2	Pressione max. di lavoro : 200 bar
V	Ø 45	2.4	Temperatura d'esercizio : -30°C ⇄ +100°C
VI	Ø 32	1.2	
VII			
VIII			
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI
			Culla : 3 CU#AB
			Supporto stamp. chiuso c/ing. : Ø40 SC#CSSIN
			Supporto stamp. aperto : Ø40 SSA#C
			Supporto aperto tipo "E" : Ø40 SA#CENPNIN
			Piastra per supporto : Ø40 PSA#1



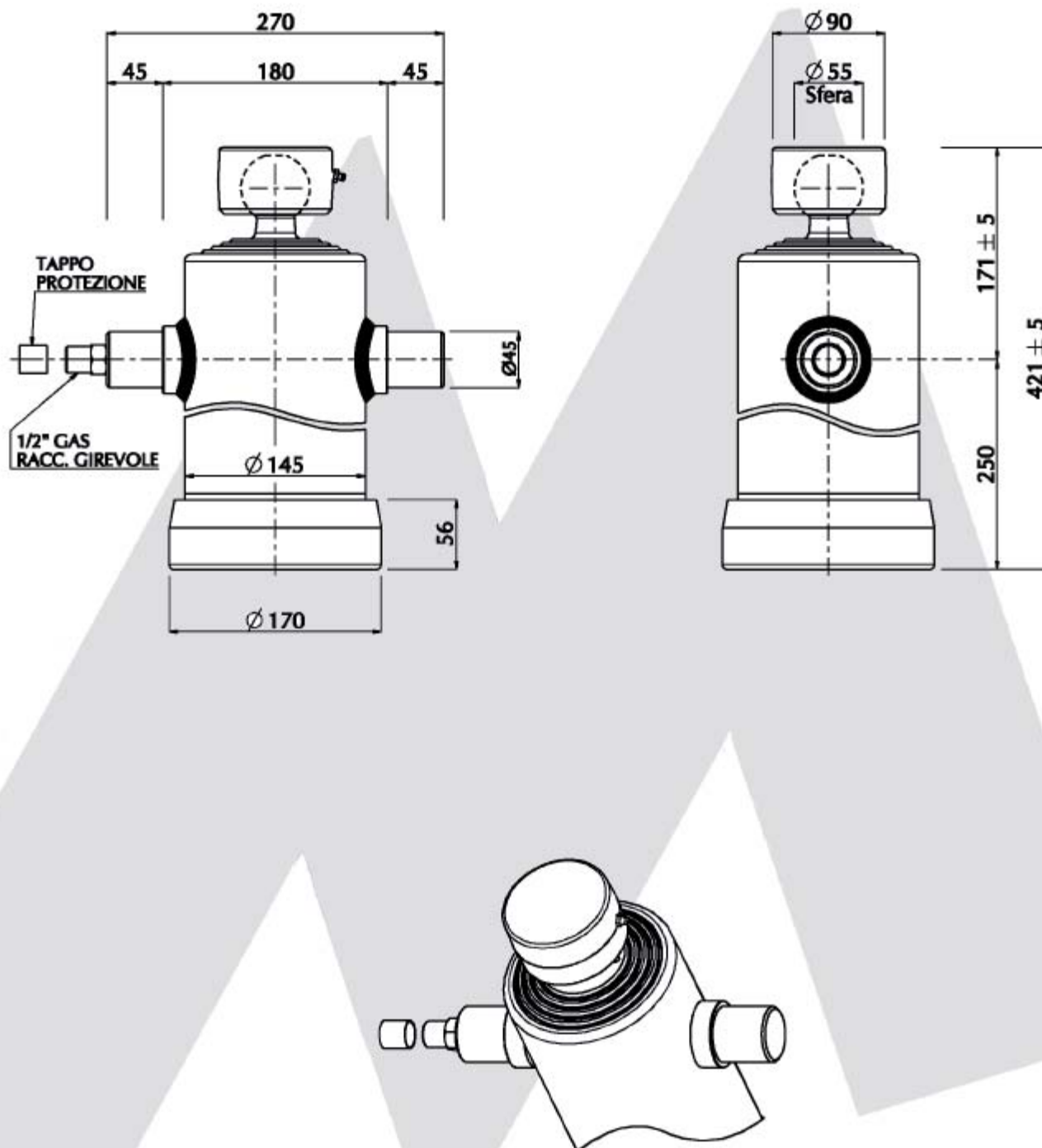
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 3
I	Ø 120	17.0	Corsa : 900 mm
II	Ø 105	13.0	Peso Cilindro : 36.85 Kg
III	Ø 90	9.5	Volume di lavoro : 10.2 Lt.
IV			Pressione max. di lavoro : 180 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 4 CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø45 SC#ESSIN
			Supporto stamp. aperto : Ø45 SSA#E
			Supporto aperto tipo "E" : Ø45 SA#EENPNIN
			Piastra per supporto : Ø45 PSA#1

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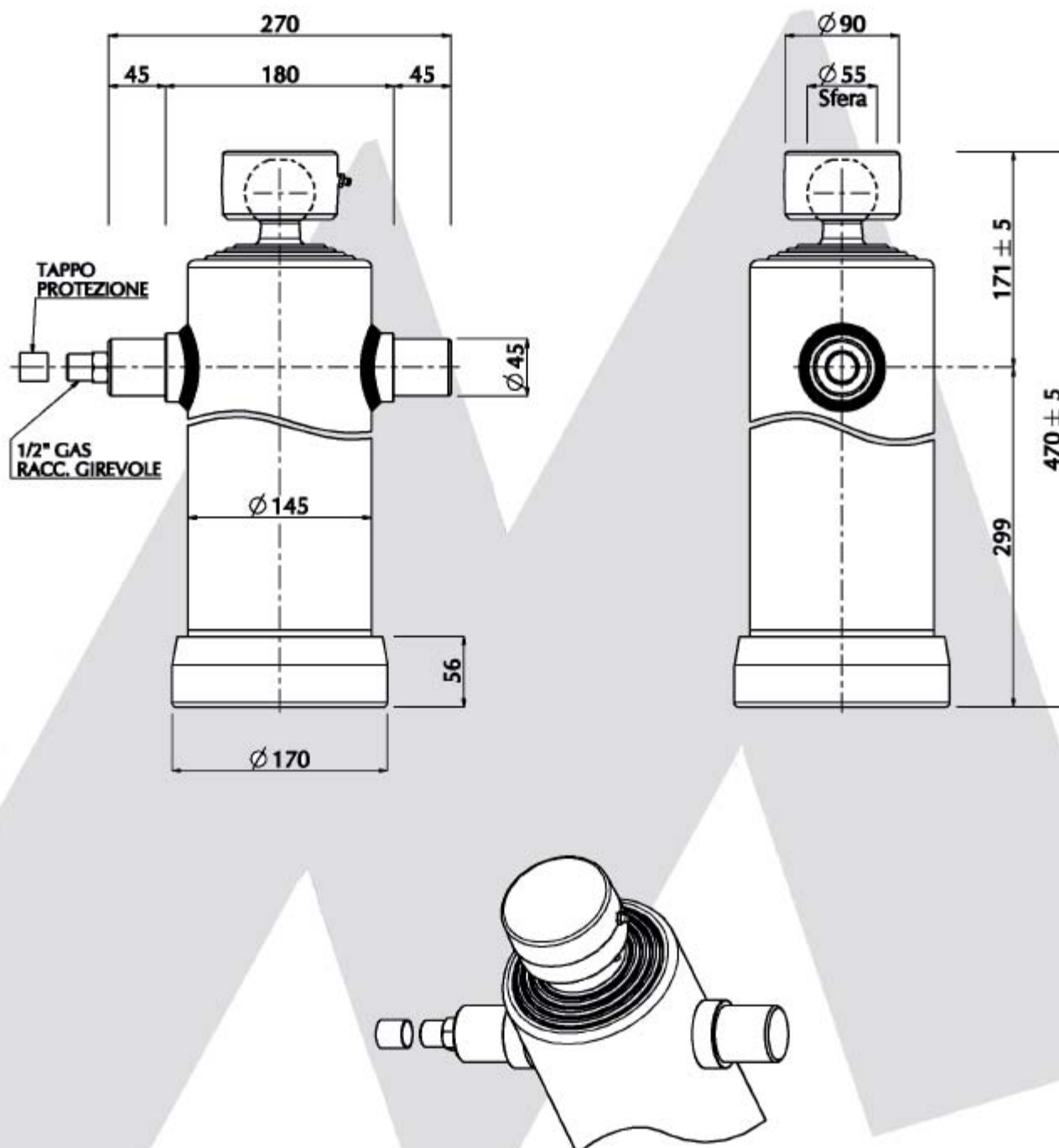


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 3	
I	Ø 120	17.0	Corsa : 1000 mm	
II	Ø 105	13.0	Peso Cilindro : 39.85 Kg	
III	Ø 90	9.5	Volume di lavoro : 11.3 Lt.	
IV			Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI			ACCESSORI	
VII			Culla : 4	CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø 45	SC#ESSIN
			Supporto stamp. aperto : Ø 45	SSA#E
			Supporto aperto tipo "E" : Ø 45	SA#EENPNIN
			Piastra per supporto : Ø 45	PSA#1

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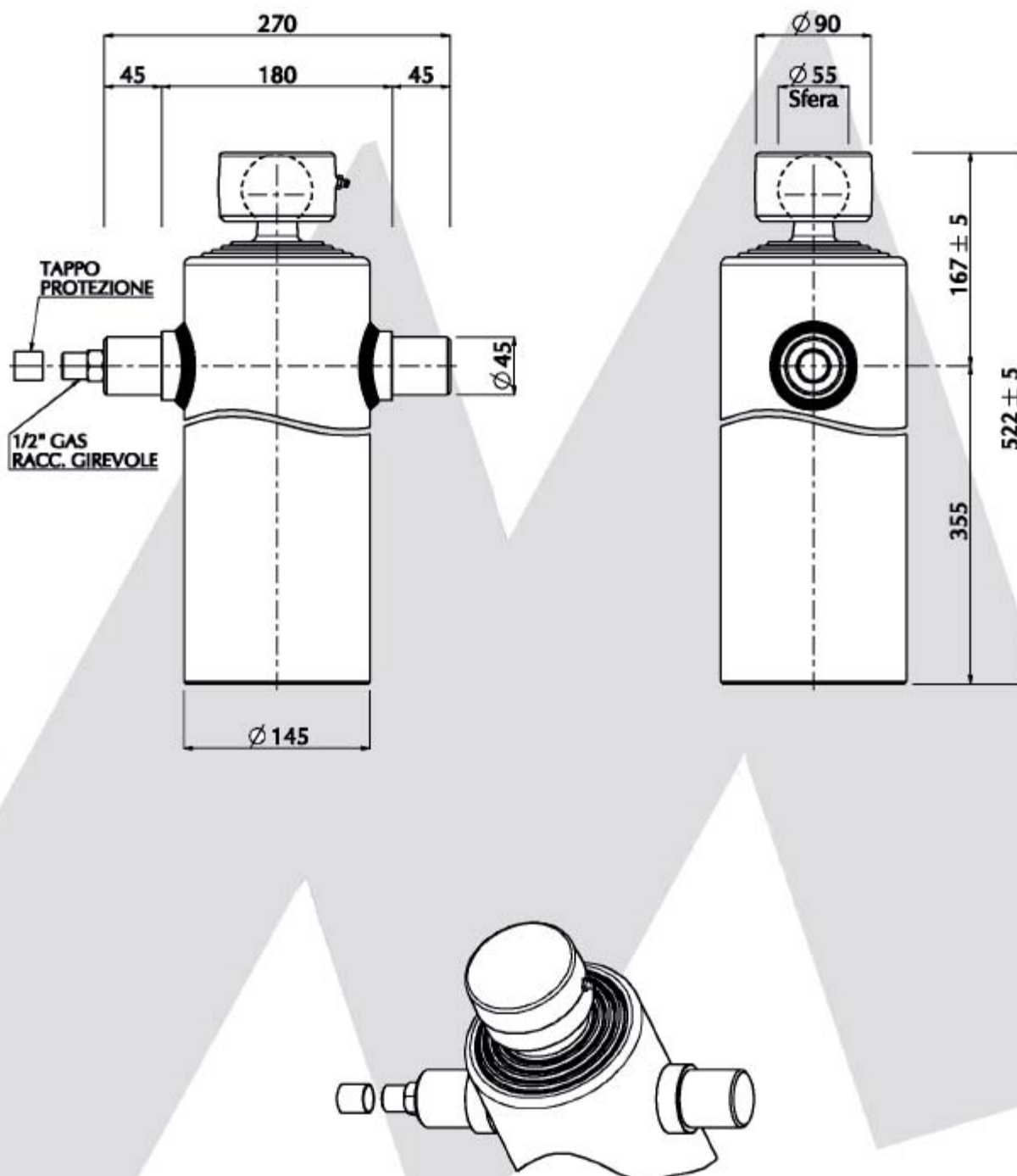


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 120	17.0	Corsa : 1000 mm	
II	Ø 105	13.0	Peso Cilindro : 35.95 Kg	
III	Ø 90	9.5	Volume di lavoro : 9.3 Lt.	
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 4	CU#EB
			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1

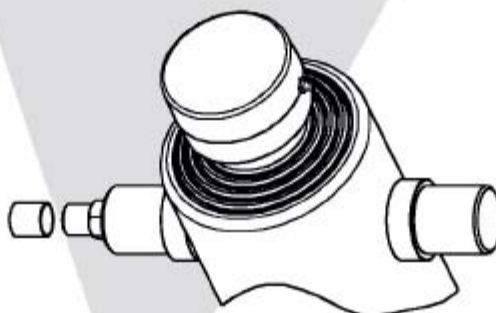
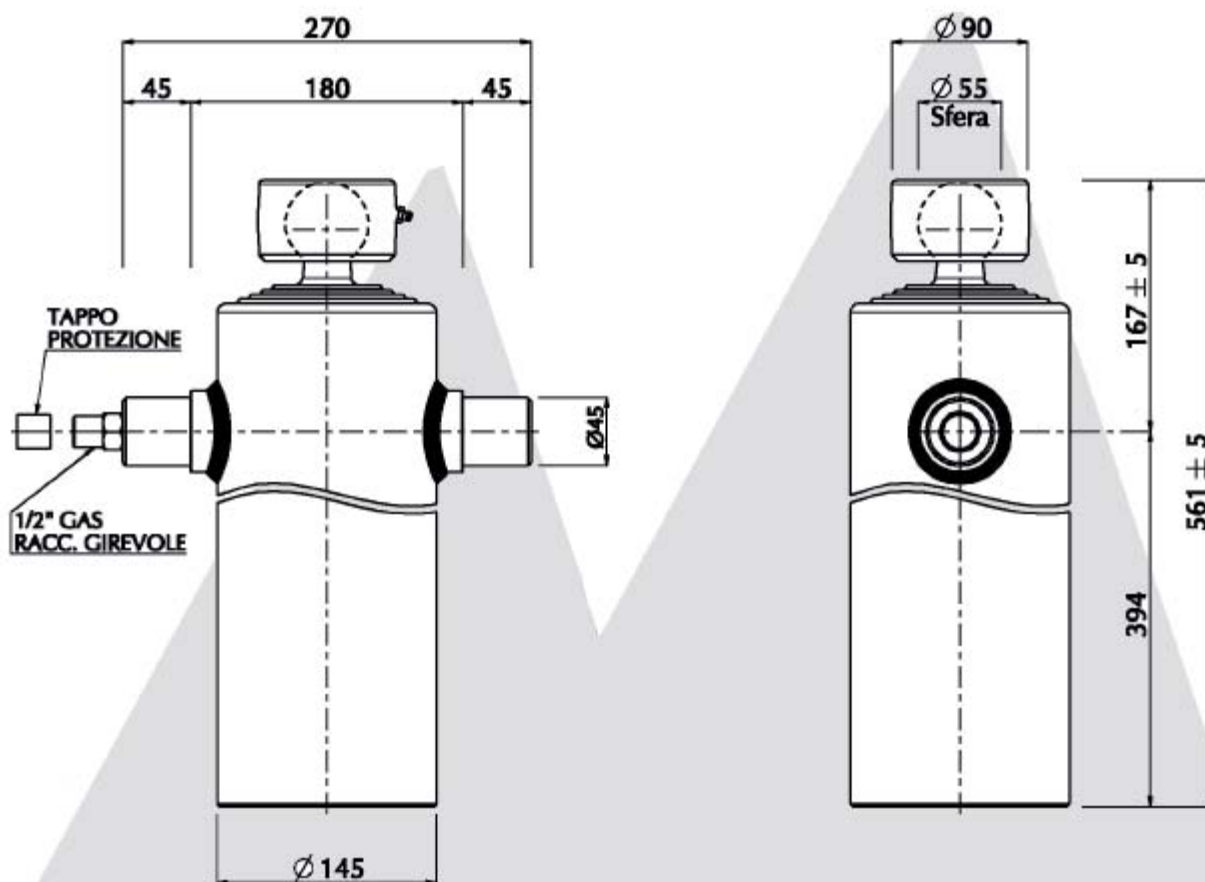


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 120	17.0	Corsa : 1200 mm	
II	Ø 105	13.0	Peso Cilindro : 40.0 Kg	
III	Ø 90	9.5	Volume di lavoro : 11.2 Lt.	
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 4	CU#EB
			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1

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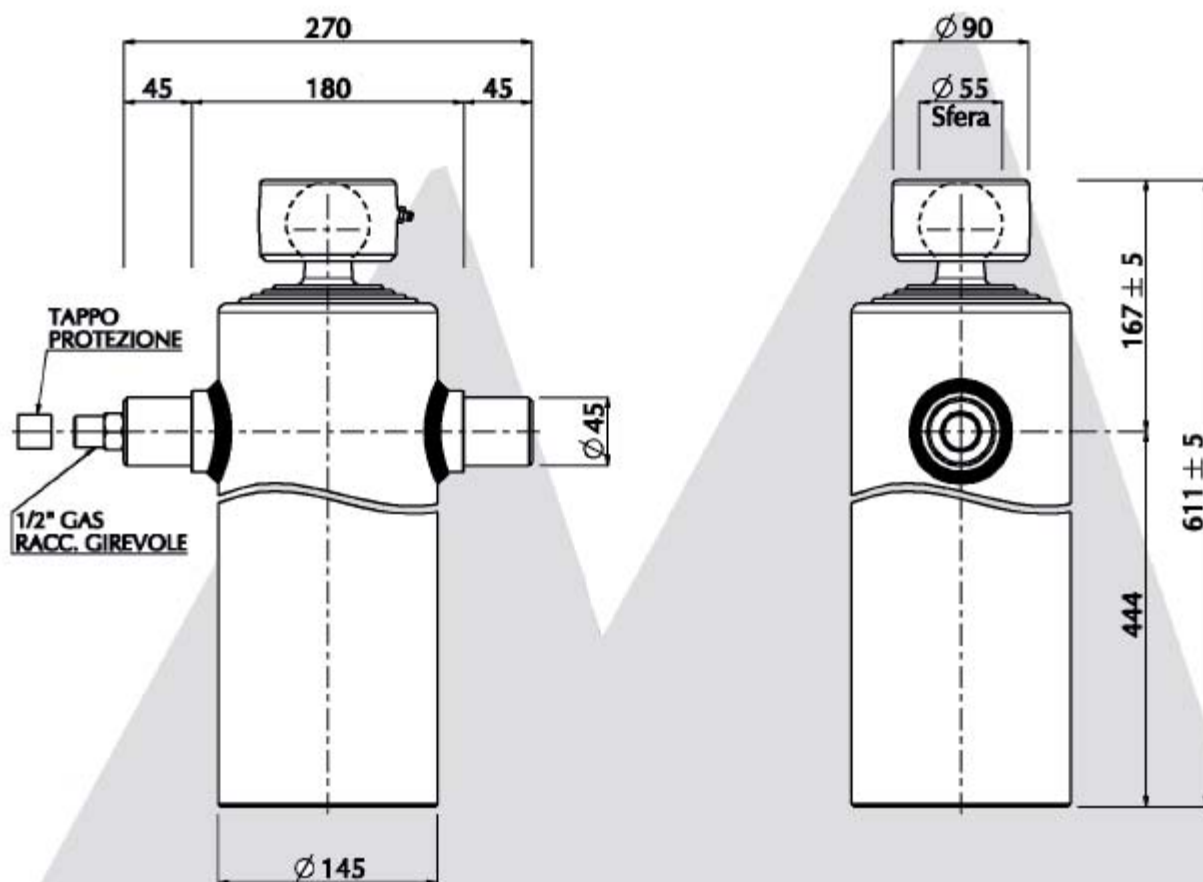


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 4
I	$\varnothing 120$	17.0	Corsa	: 1350 mm
II	$\varnothing 105$	13.0	Peso Cilindro	: 41.4 Kg
III	$\varnothing 90$	9.5	Volume di lavoro	: 12.6 Lt.
IV	$\varnothing 75$	6.6	Pressione max. di lavoro	: 180 bar
V			Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI	
VII			Culla	: 4 CU#EB
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 45$ SC#ESSIN
			Supporto stamp. aperto	: $\varnothing 45$ SSA#E
			Supporto aperto tipo "E"	: $\varnothing 45$ SA#EENPNIN
			Piastra per supporto	: $\varnothing 45$ PSA#1

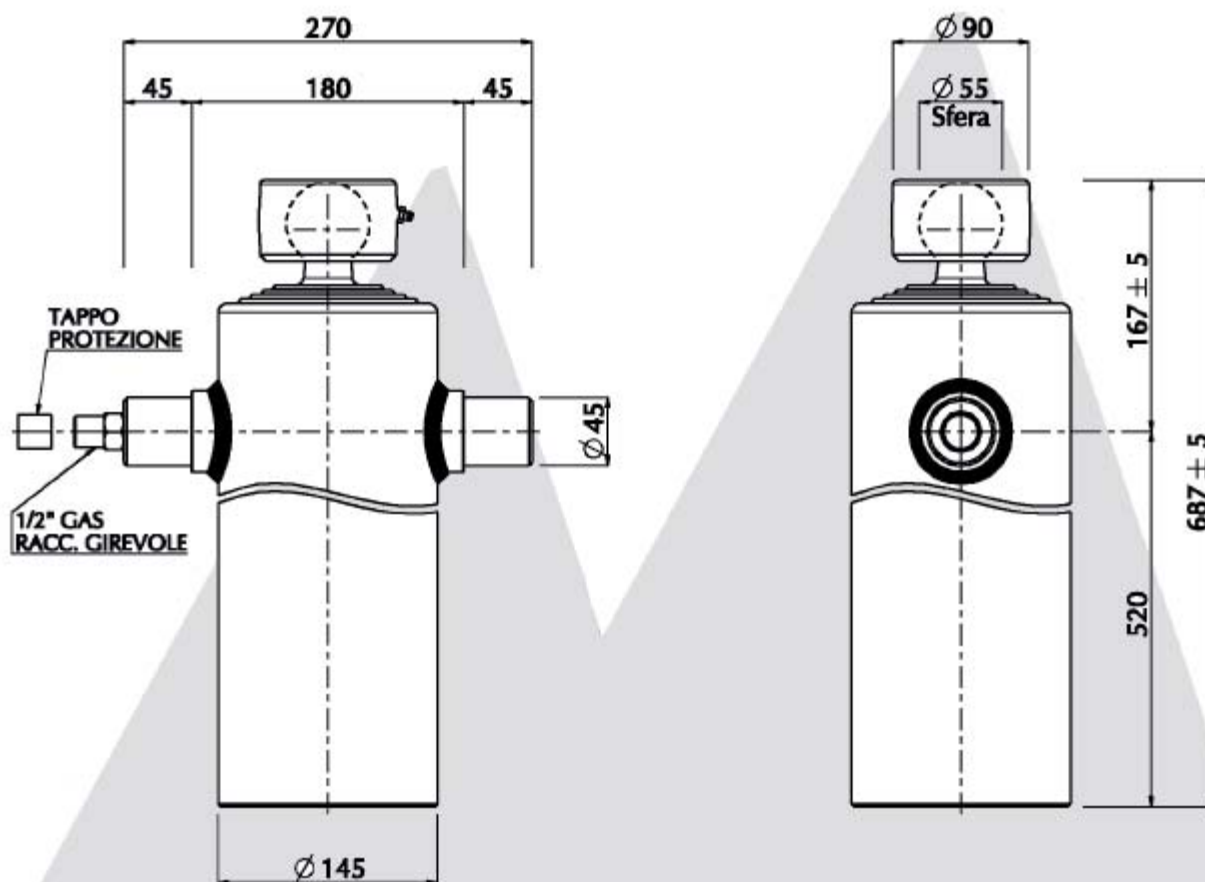


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 120	17.0	Corsa : 1500 mm	
II	Ø 105	13.0	Peso Cilindro : 44.65 Kg	
III	Ø 90	9.5	Volume di lavoro : 14.0 Lt.	
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI			ACCESSORI	
VII			Culla : 4	CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1

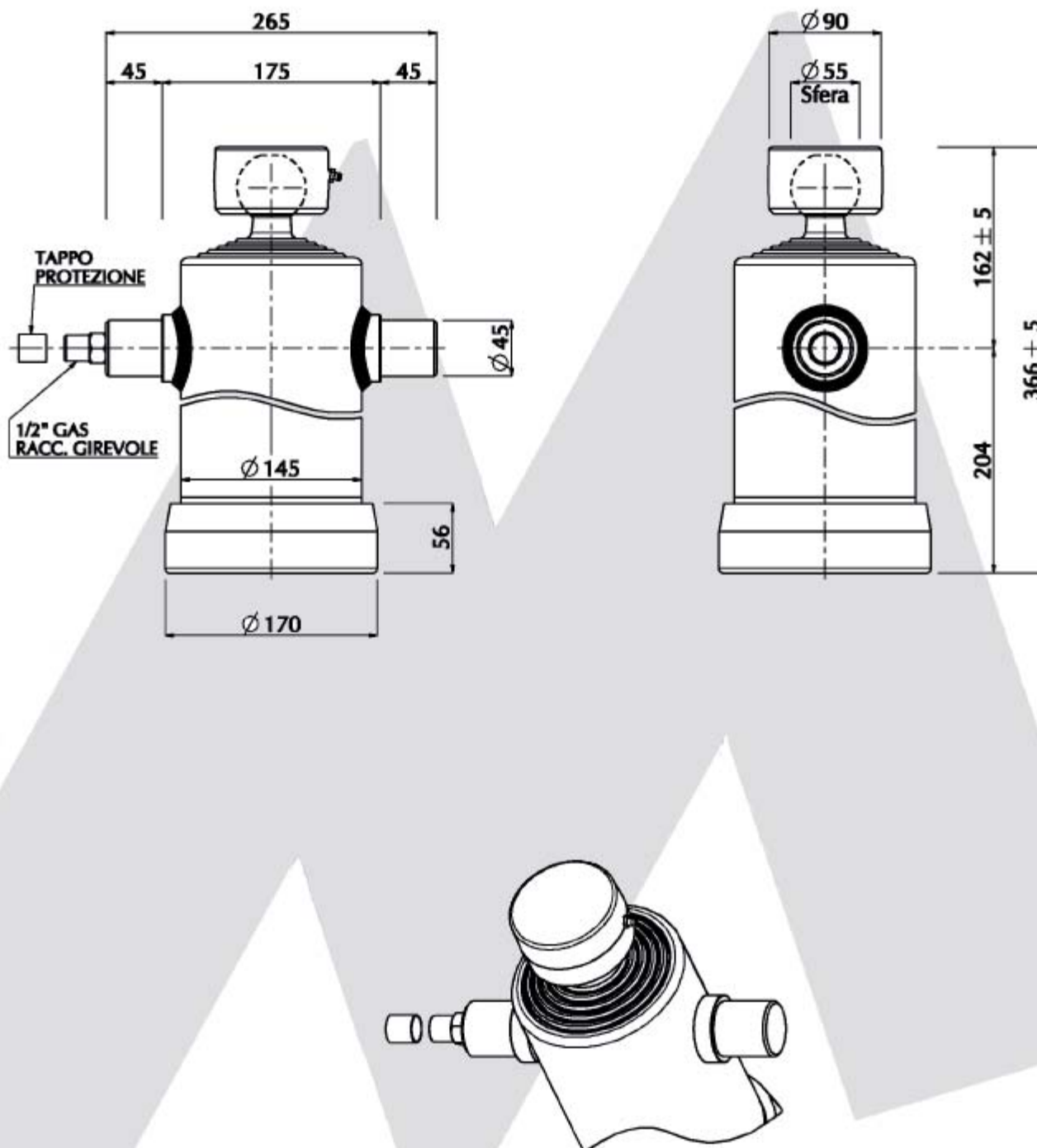
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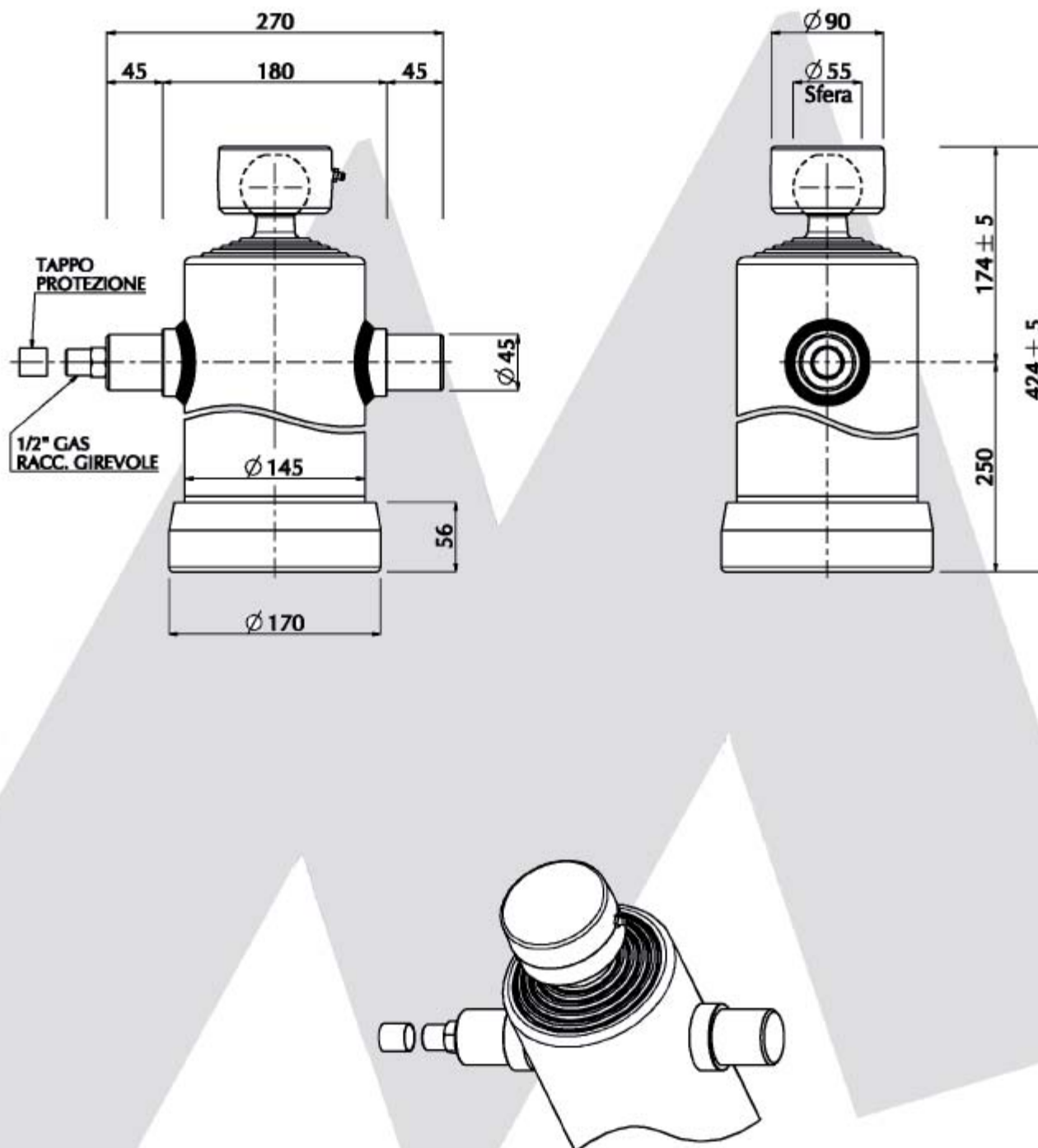
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 120	17.0	Corsa : 1700 mm	
II	Ø 105	13.0	Peso Cilindro : 48.5 Kg	
III	Ø 90	9.5	Volume di lavoro : 15.8 Lt.	
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 4	CU#EB
			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1



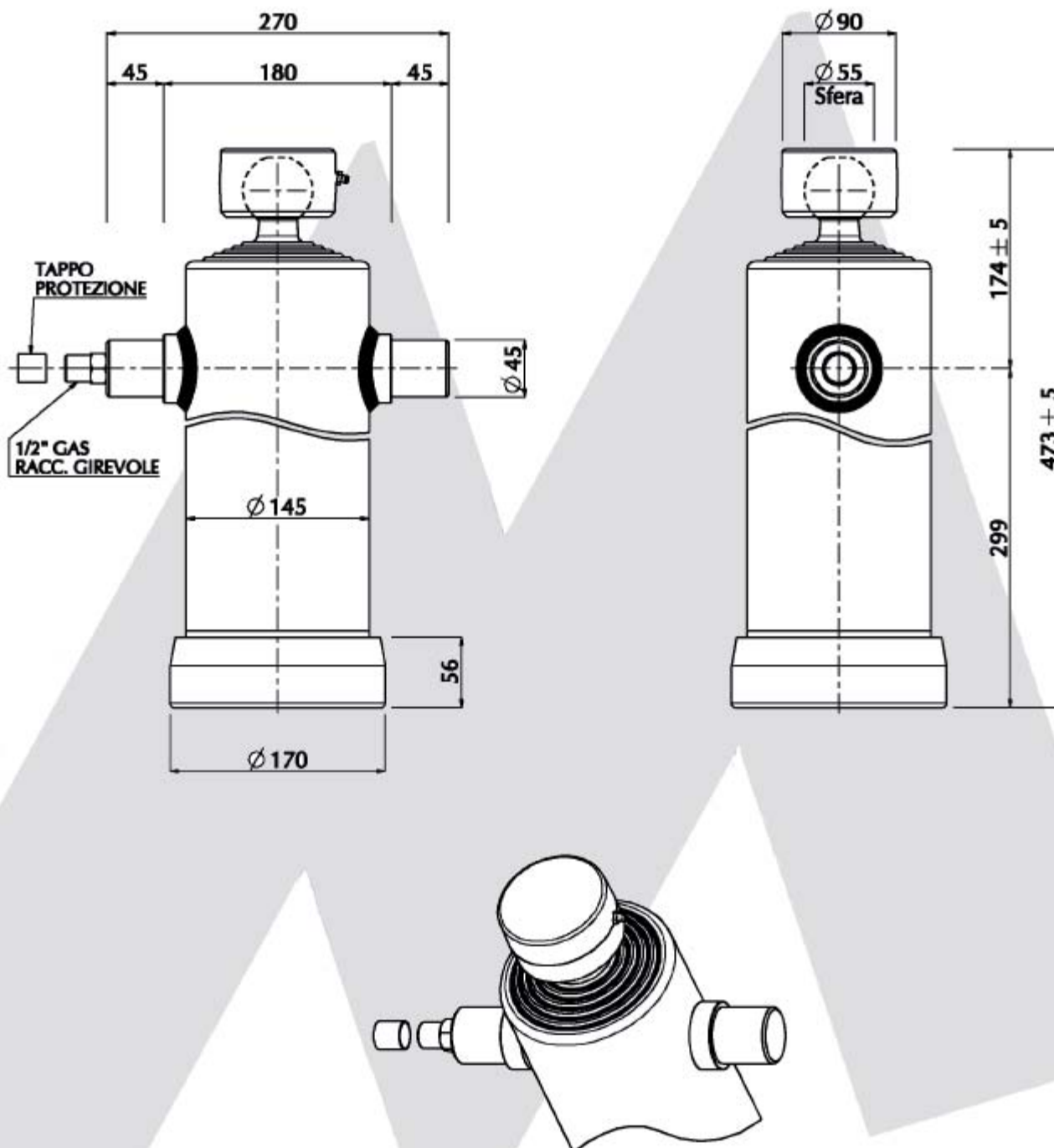
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4		
I	Ø 120	17.0	Corsa : 2000 mm		
II	Ø 105	13.0	Peso Cilindro : 54.8 Kg		
III	Ø 90	9.5	Volume di lavoro : 18.6 Lt.		
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar		
V			Temperatura d'esercizio : -30°C ↔ +100°C		
VI					
VII					
VIII					
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI		
			Culla	: 4	CU#EB
			Supporto stamp. chiuso c/ing.	: Ø 45	SC#ESSIN
			Supporto stamp. aperto	: Ø 45	SSA#E
			Supporto aperto tipo "E"	: Ø 45	SA#EENPNIN
			Piastra per supporto	: Ø 45	PSA#1



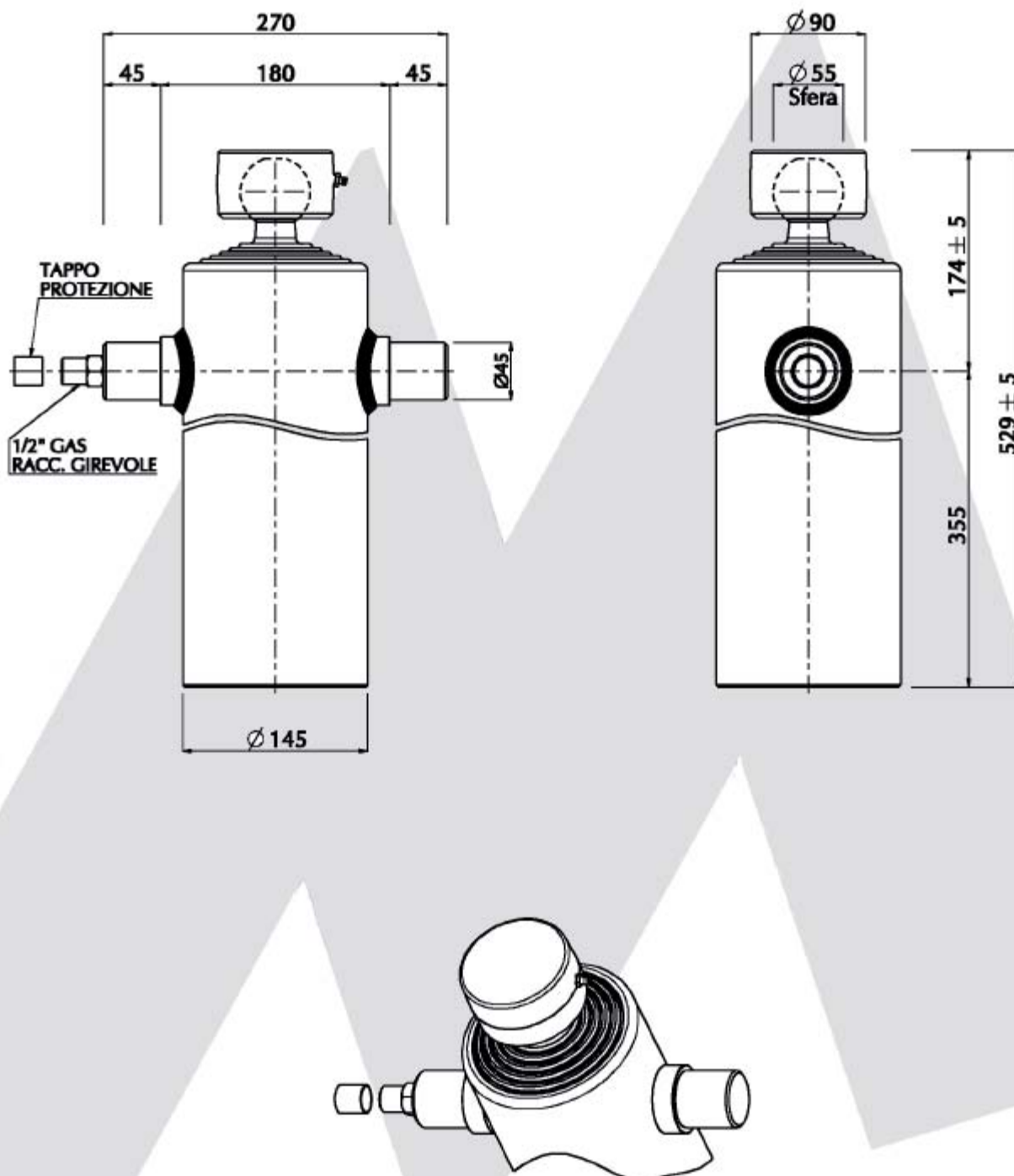
Sfilete [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilete : 5			
I	Ø 120	17.0	Corsa : 960 mm			
II	Ø 105	13.0	Peso Cilindro : 35.95 Kg			
III	Ø 90	9.5	Volume di lavoro : 7.1 Lt.			
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar			
V	Ø 60	4.2	Temperatura d'esercizio : -30°C ↔ +100°C			
VI			ACCESSORI			
VII			Culla : 4	CU#EB	pag.	10.01
VIII			Supporto stamp. chiuso c/ing. : Ø 45	SC#ESSIN	pag.	11.01
			Supporto stamp. aperto : Ø 45	SSA#E	pag.	12.01
			Supporto aperto tipo "E" : Ø 45	SA#EENPNIN	pag.	13.01
			Piastra per supporto : Ø 45	PSA#1		



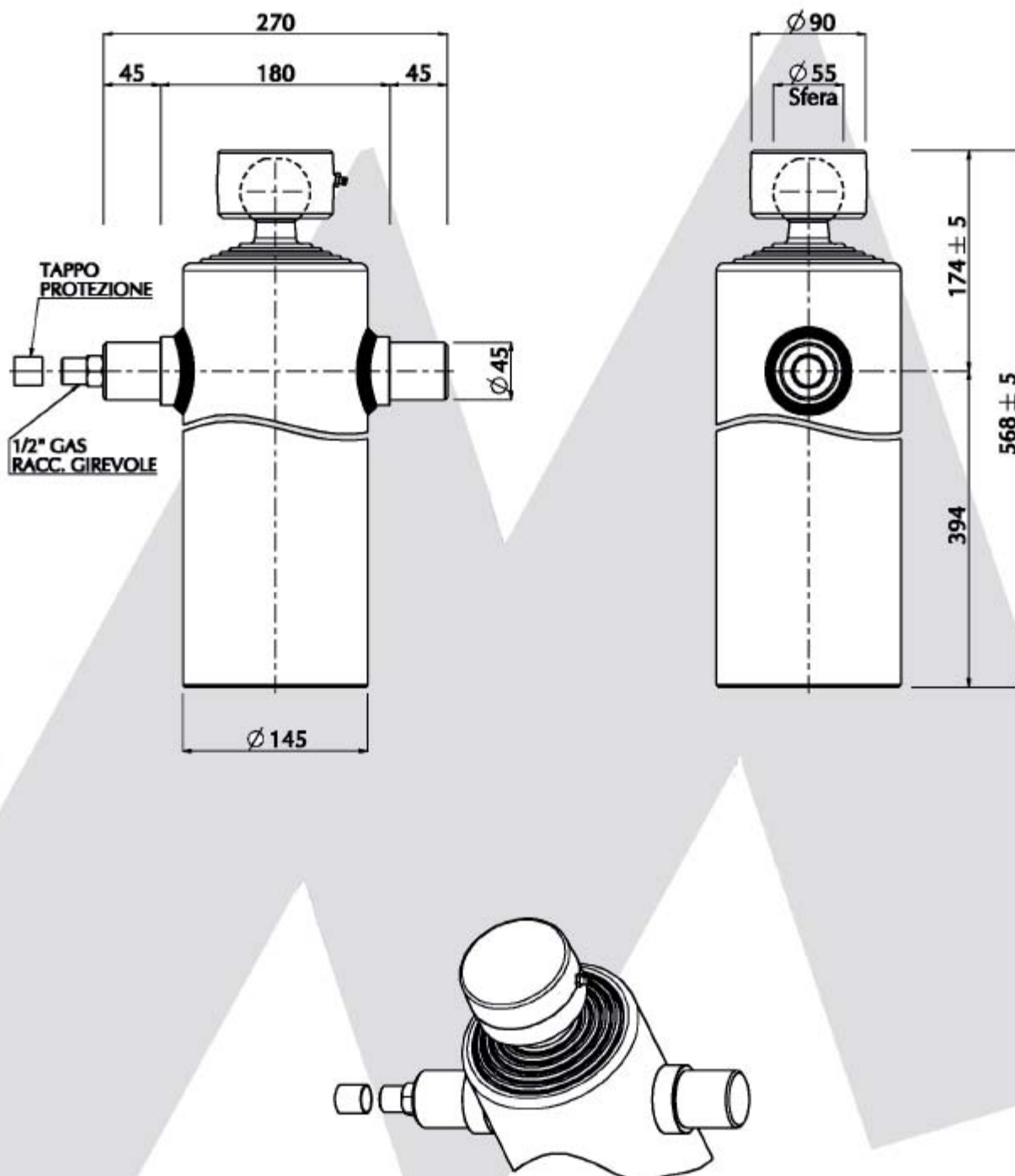
Sfilete [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilete : 5
I	Ø 120	17.0	Corsa : 1250 mm
II	Ø 105	13.0	Peso Cilindro : 41.75 Kg
III	Ø 90	9.5	Volume di lavoro : 9.3 Lt
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar
V	Ø 60	4.2	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 4 CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø 45 SC#ESSIN
			Supporto stamp. aperto : Ø 45 SSA#E
			Supporto aperto tipo "E" : Ø 45 SA#EENPNIN
			Piastra per supporto : Ø 45 PSA#1



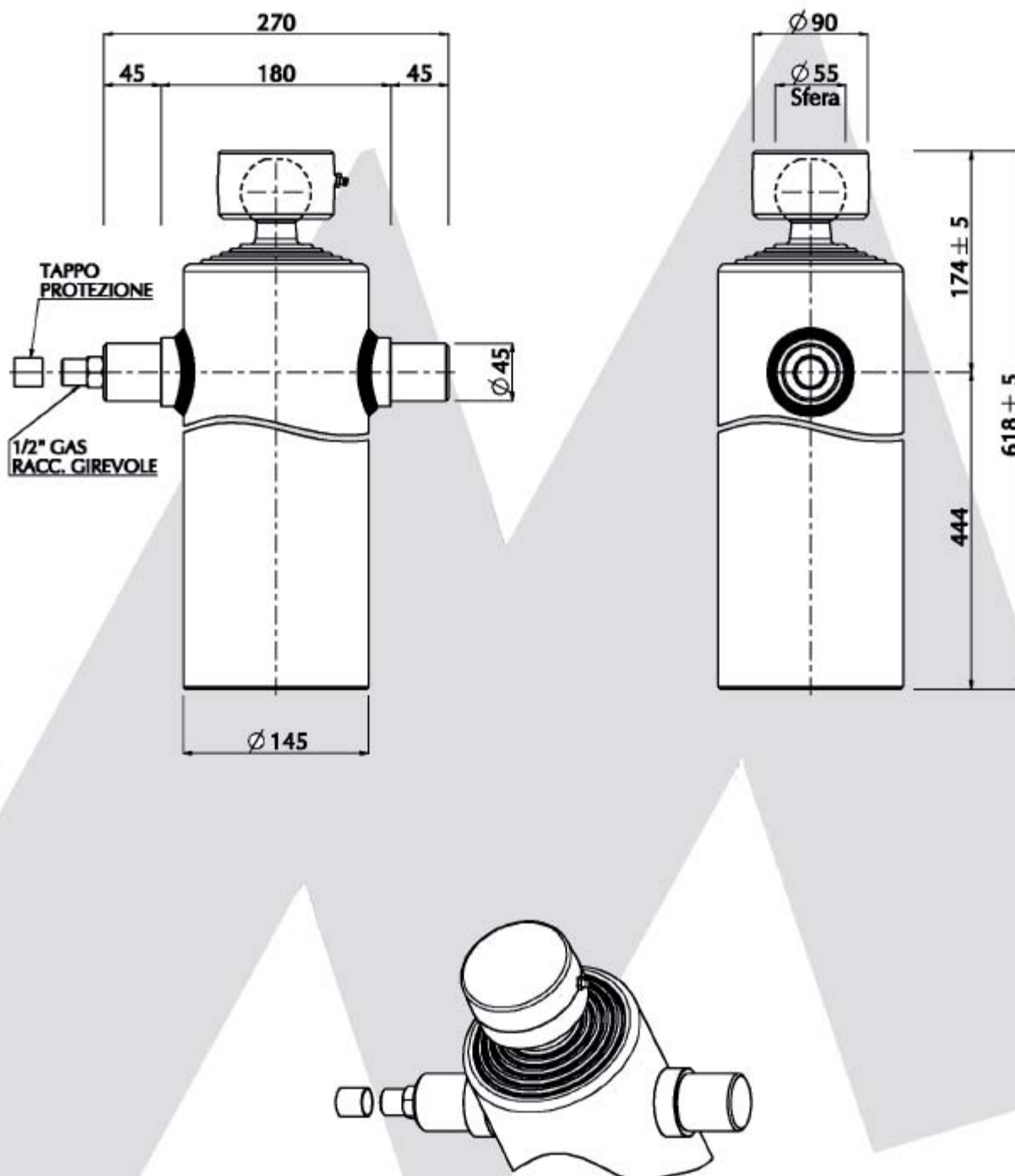
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	$\varnothing 120$	17.0	Corsa : 1500 mm
II	$\varnothing 105$	13.0	Peso Cilindro : 47.3 Kg
III	$\varnothing 90$	9.5	Volume di lavoro : 11.2 Lt.
IV	$\varnothing 75$	6.6	Pressione max. di lavoro : 180 bar
V	$\varnothing 60$	4.2	Temperatura d'esercizio : -30°C $\longleftrightarrow$ +100°C
VI			ACCESSORI
VII			Culla : 4 CU#EB
VIII			Supporto stamp. chiuso c/ing. : $\varnothing 45$ SC#ESSIN
			Supporto stamp. aperto : $\varnothing 45$ SSA#E
			Supporto aperto tipo "E" : $\varnothing 45$ SA#EENPNIN
			Piastra per supporto : $\varnothing 45$ PSA#1



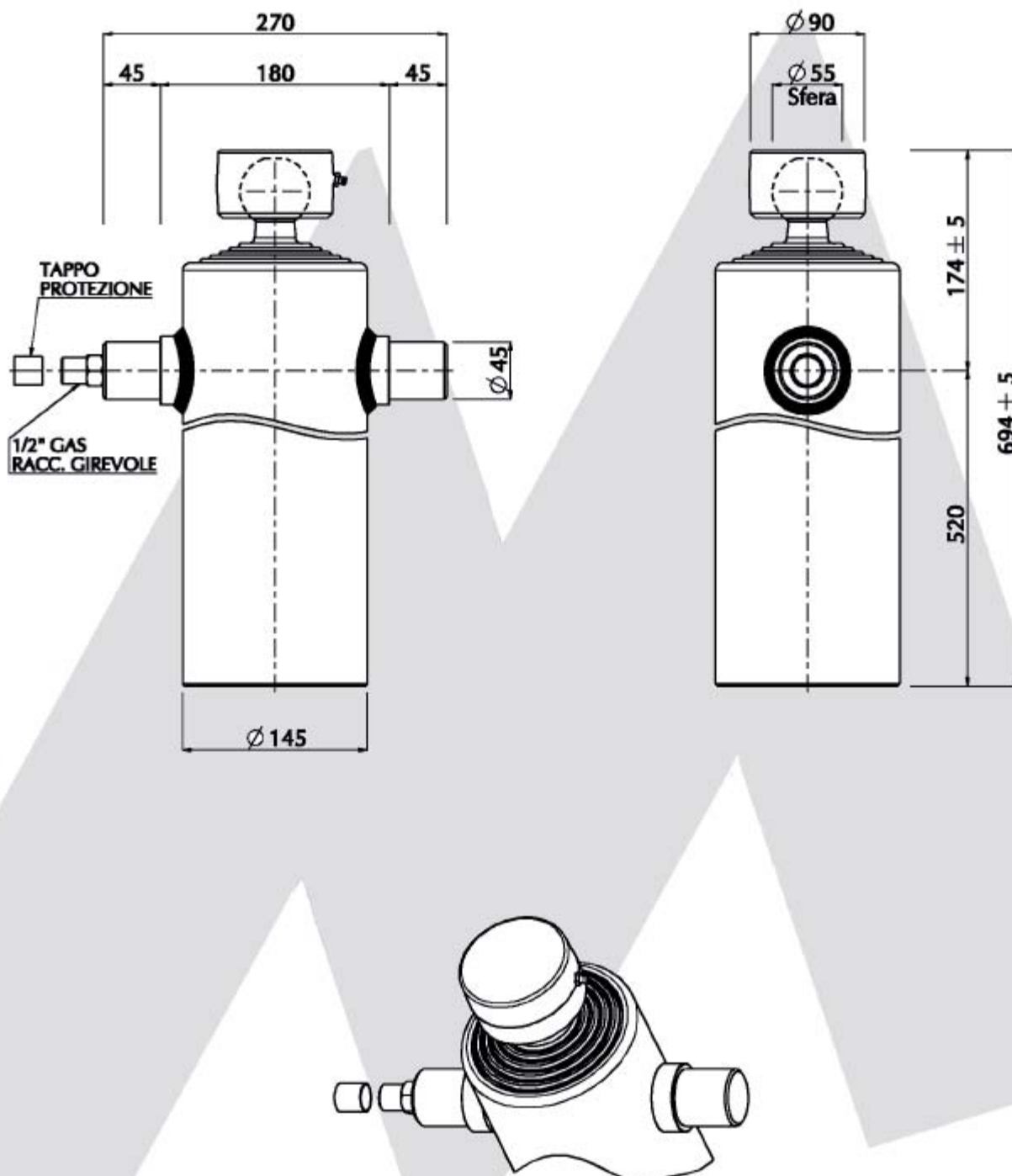
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 120	17.0	Corsa : 1680 mm
II	Ø 105	13.0	Peso Cilindro : 49.45 Kg
III	Ø 90	9.5	Volume di lavoro : 12.5 Lt
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar
V	Ø 60	4.2	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 4 CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø 45 SC#ESSIN
			Supporto stamp. aperto : Ø 45 SSA#E
			Supporto aperto tipo "E" : Ø 45 SA#EENPNIN
			Piastra per supporto : Ø 45 PSA#1



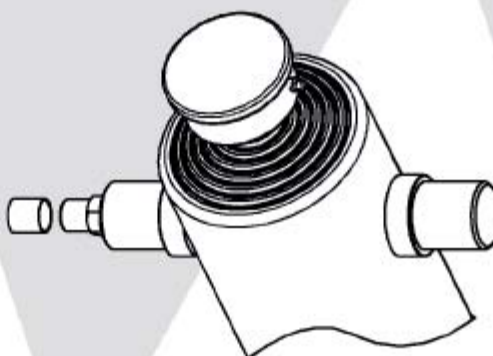
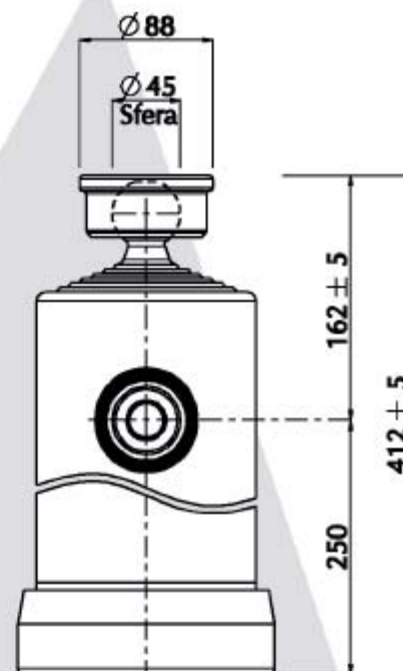
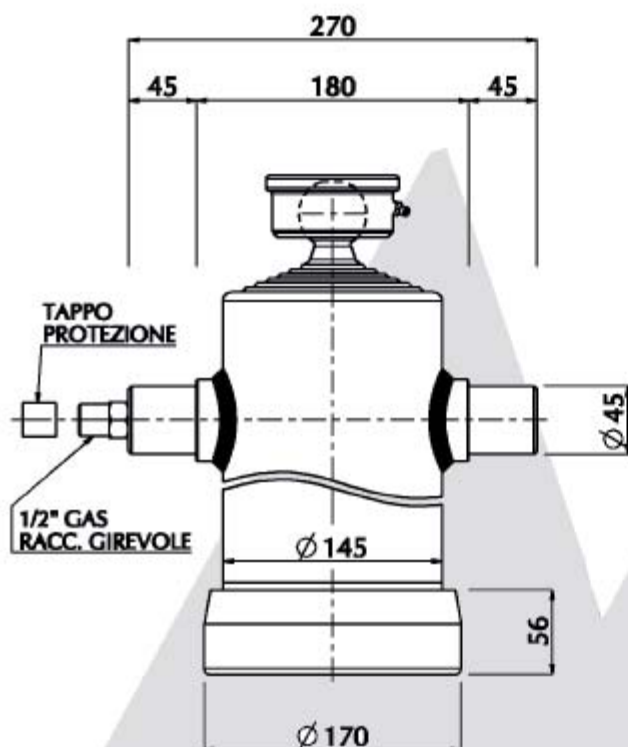
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 120	17.0	Corsa : 1875 mm
II	Ø 105	13.0	Peso Cilindro : 53.55 Kg
III	Ø 90	9.5	Volume di lavoro : 14.0 Lt
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar
V	Ø 60	4.2	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 4 CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø45 SC#ESSIN
			Supporto stamp. aperto : Ø45 SSA#E
			Supporto aperto tipo "E" : Ø45 SA#EENPNIN
			Piastra per supporto : Ø45 PSA#1



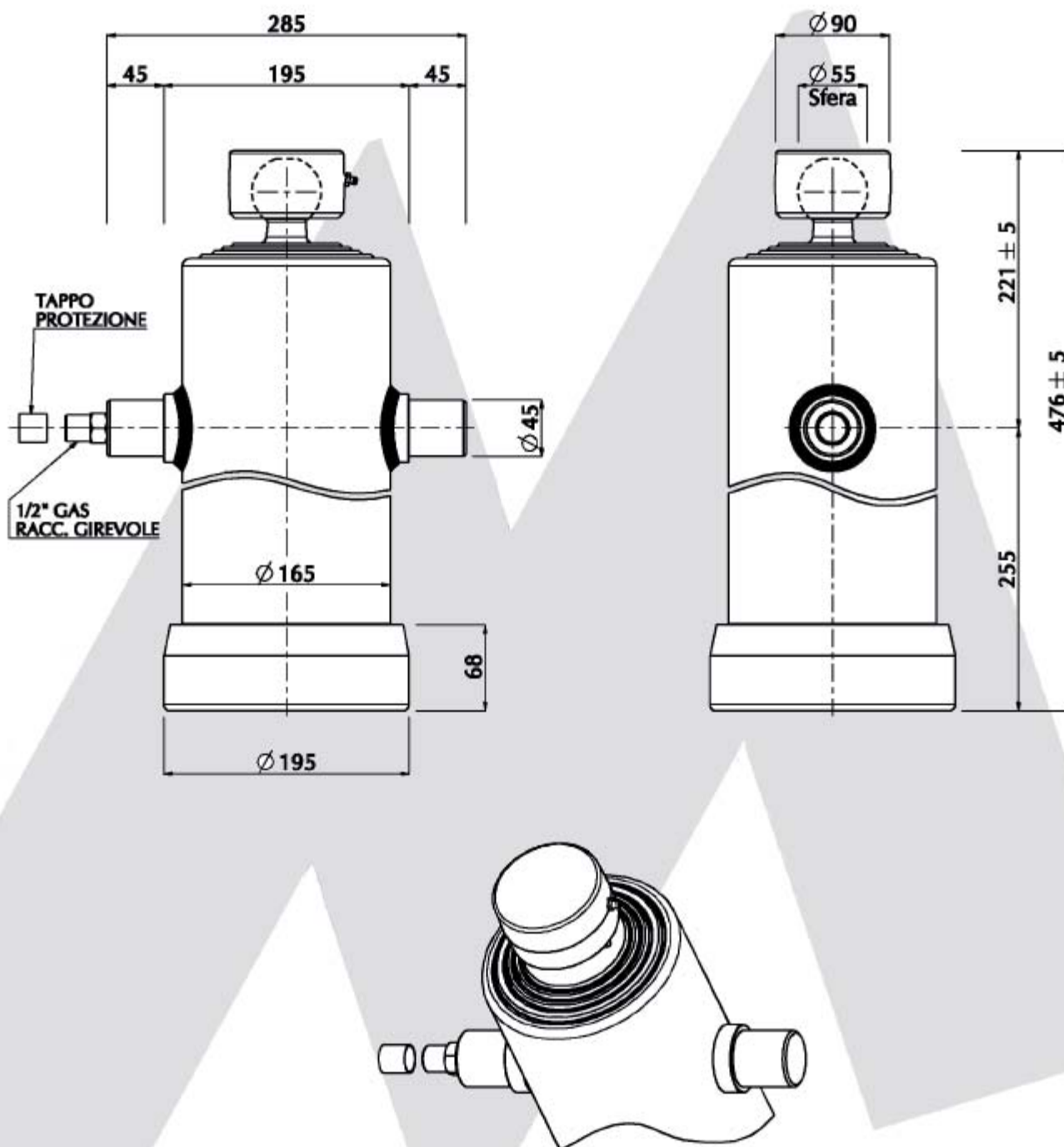
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 5
I	Ø 120	17.0	Corsa	: 2125 mm
II	Ø 105	13.0	Peso Cilindro	: 58.6 Kg
III	Ø 90	9.5	Volume di lavoro	: 15.8 Lt.
IV	Ø 75	6.6	Pressione max. di lavoro	: 180 bar
V	Ø 60	4.2	Temperatura d'esercizio	: -30°C ↔ +100°C
VI			ACCESSORI	
VII			Culla	: 4 CU#EB
VIII			Supporto stamp. chiuso c/ing.	: Ø 45 SC#ESSIN
			Supporto stamp. aperto	: Ø 45 SSA#E
			Supporto aperto tipo "E"	: Ø 45 SA#EENPNIN
			Piastra per supporto	: Ø 45 PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5	
I	Ø 120	17.0	Corsa : 2500 mm	
II	Ø 105	13.0	Peso Cilindro : 66.45Kg	
III	Ø 90	9.5	Volume di lavoro : 18.6 Lt.	
IV	Ø 75	6.6	Pressione max. di lavoro : 180 bar	
V	Ø 60	4.2	Temperatura d'esercizio : -30°C ↔ +100°C	
VI			ACCESSORI	
VII			Culla : 4	CU#EB
VIII			Supporto stamp. chiuso c/ing. : Ø 45	SC#ESSIN
			Supporto stamp. aperto : Ø 45	SSA#E
			Supporto aperto tipo "E" : Ø 45	SA#EENPNIN
			Piastra per supporto : Ø 45	PSA#1

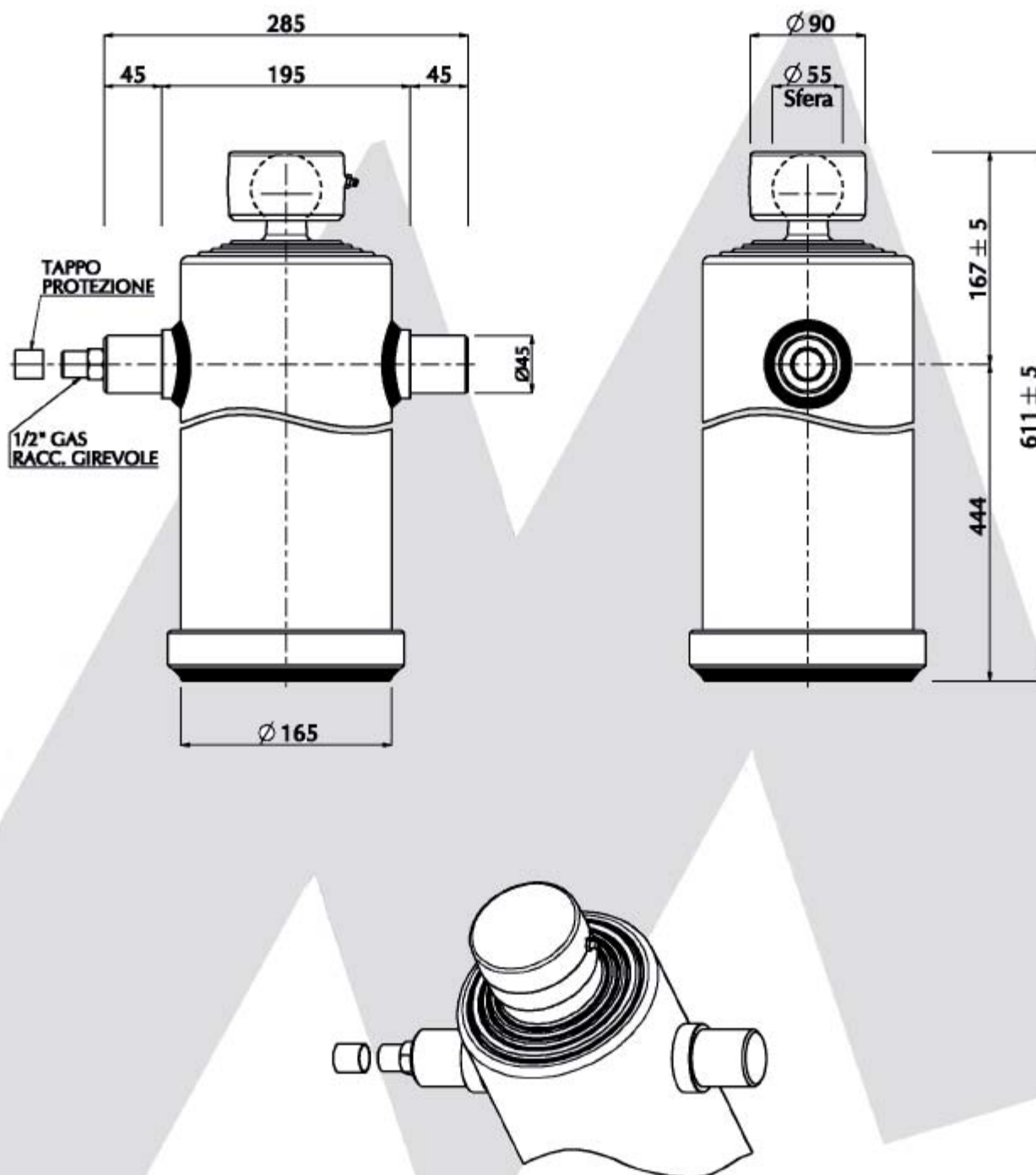


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]		
I	Ø 120	17.0	Numero sfilate	: 6
II	Ø 105	13.0	Corsa	: 1500 mm
III	Ø 90	9.5	Peso Cilindro	: 40.15Kg
IV	Ø 75	6.6	Volume di lavoro	: 9.8 Lt.
V	Ø 60	4.2	Pressione max. di lavoro	: 180 bar
VI	Ø 45	2.4	Temperatura d'esercizio	: -30°C ↔ +100°C
VII			ACCESSORI	
VIII			Culla	: 4 CU#EB
			Supporto stamp. chiuso c/ing.	: Ø 45 SC#ESSIN
			Supporto stamp. aperto	: Ø 45 SSA#E
			Supporto aperto tipo "E"	: Ø 45 SA#EENPNIN
			Piastra per supporto	: Ø 45 PSA#1

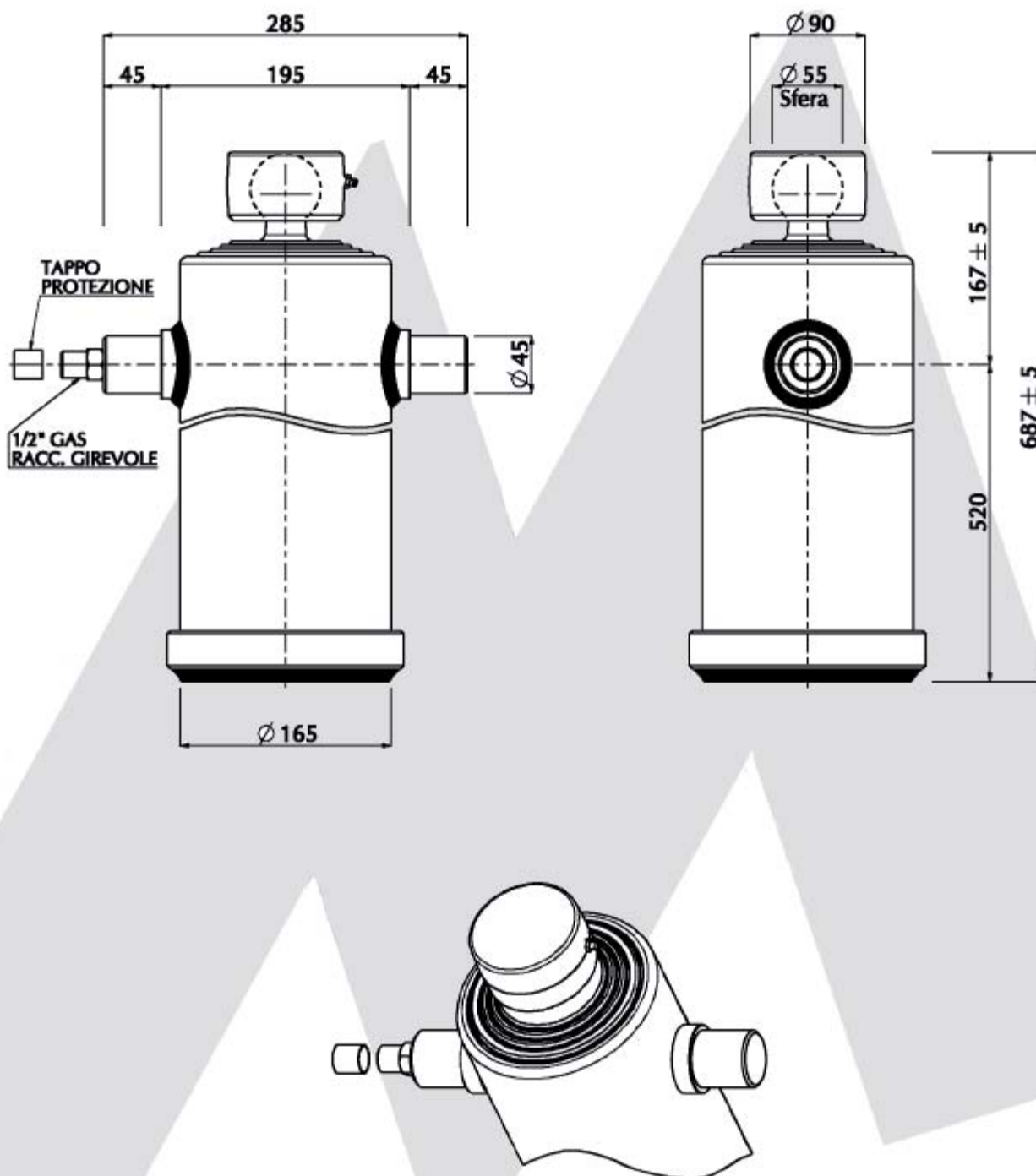


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4
I	Ø 140	23.1	Corsa : 1200 mm
II	Ø 120	17.0	Peso Cilindro : 51.1 Kg
III	Ø 105	13.0	Volume di lavoro : 15.1 Lt
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar
V			Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 5 CU#GG
VIII			Supporto stamp. chiuso c/ing. : Ø45 SC#CSSIN
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			Supporto aperto tipo "E" : Ø45 SA#EENPNIN
			Piastra per supporto : Ø45 PSA#1

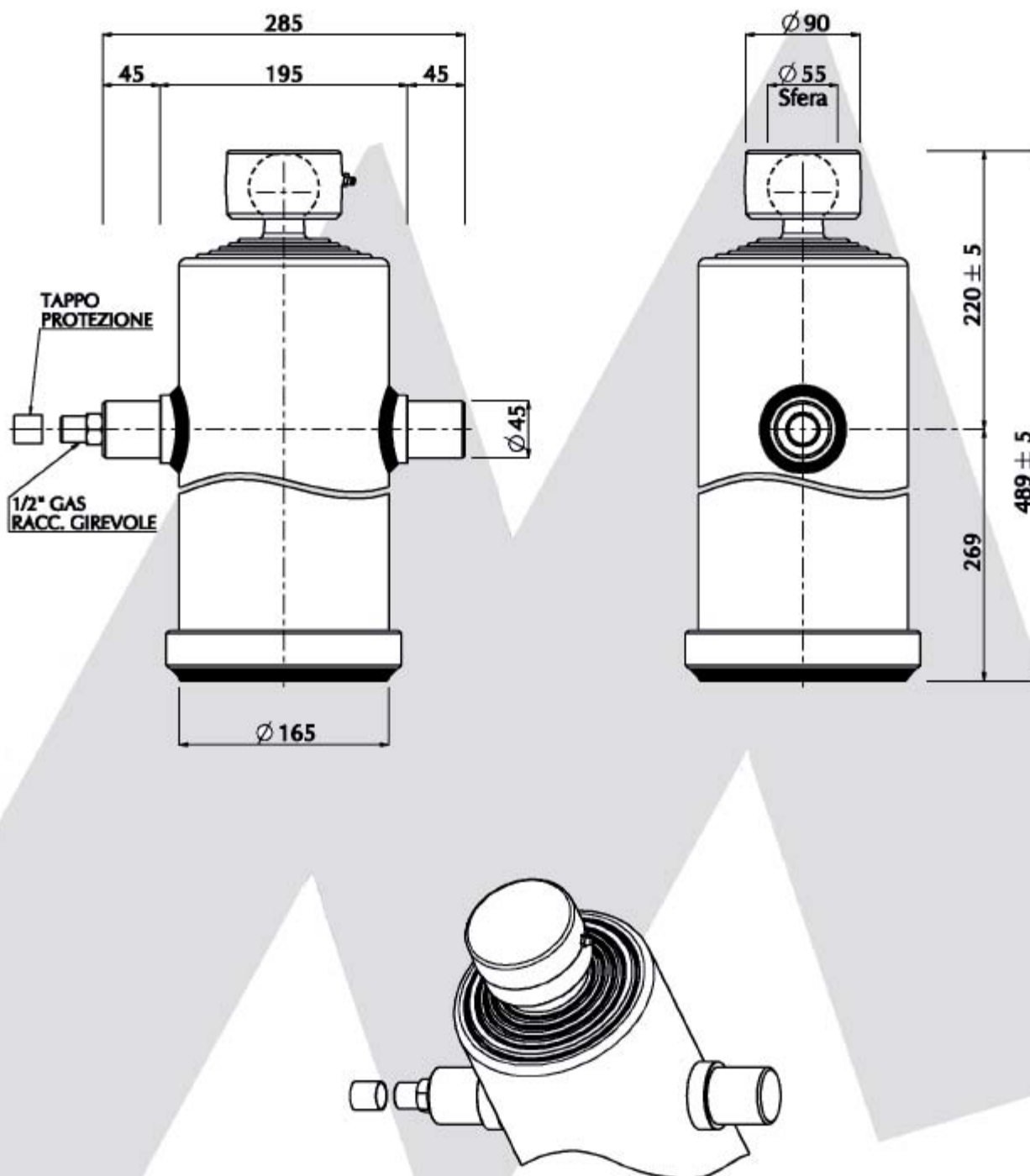
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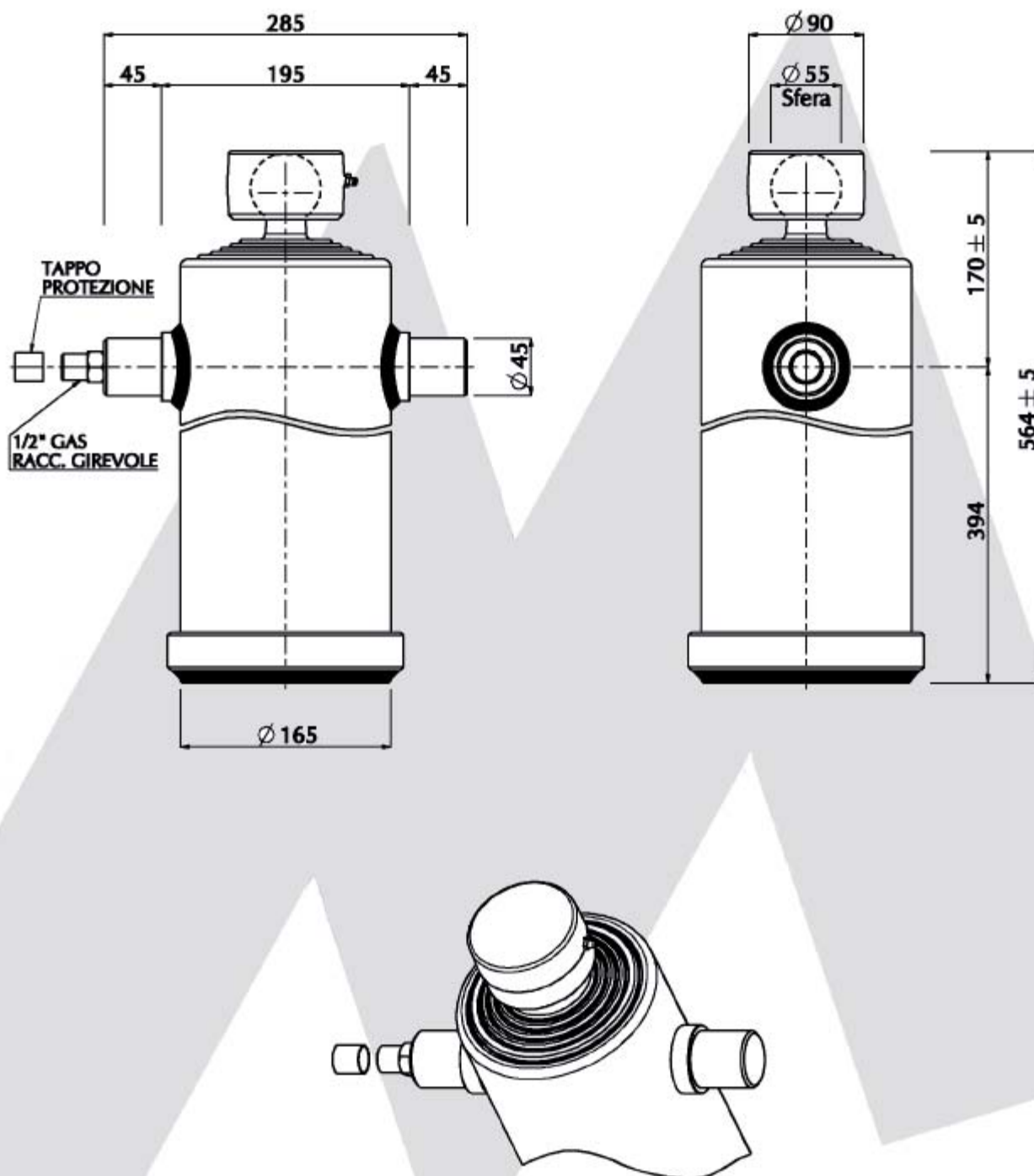
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 140	23.1	Corsa : 1700 mm	
II	Ø 120	17.0	Peso Cilindro : 61.8 Kg	
III	Ø 105	13.0	Volume di lavoro : 21.4 Lt.	
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 5	CU#GG
			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	
I	Ø 140	23.1	Corsa : 2000 mm	
II	Ø 120	17.0	Peso Cilindro : 69.95Kg	
III	Ø 105	13.0	Volume di lavoro : 25.2 Lt	
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar	
V			Temperatura d'esercizio : -30°C ↔ +100°C	
VI			ACCESSORI	
VII			Culla : 5	CU#GG
VIII			Supporto stamp. chiuso c/ing. : Ø 45	SC#ESSIN
			Supporto stamp. aperto : Ø 45	SSA#E
			Supporto aperto tipo "E" : Ø 45	SA#EENPNIN
			Plastra per supporto : Ø 45	PSA#1

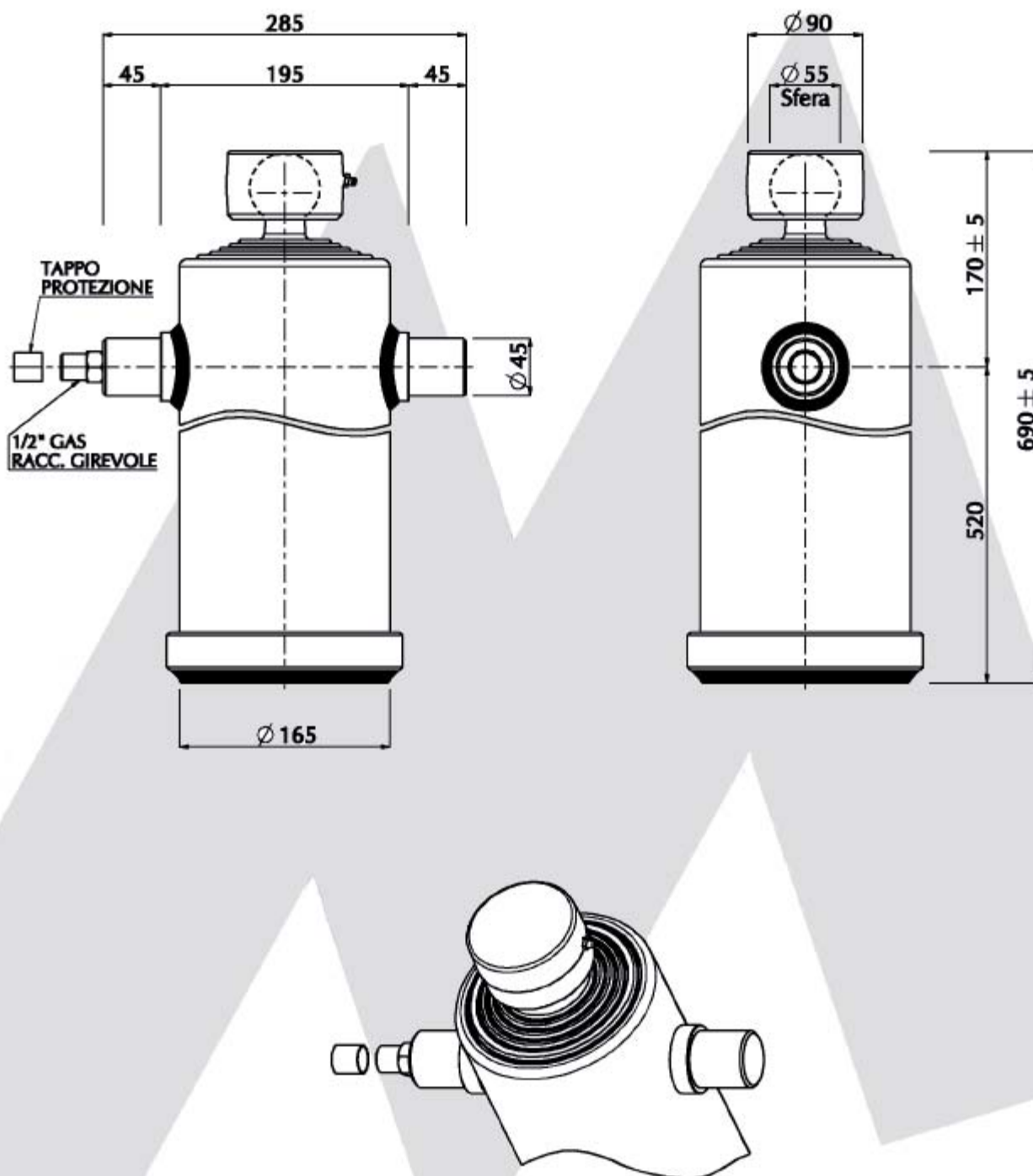


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5
I	Ø 140	23.1	Corsa : 1500 mm
II	Ø 120	17.0	Peso Cilindro : 51.8 Kg
III	Ø 105	13.0	Volume di lavoro : 16.1 Lt
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar
V	Ø 75	6.6	Temperatura d'esercizio : -30°C ↔ +100°C
VI			ACCESSORI
VII			Culla : 5 CU#GG
VIII			Supporto stamp. chiuso c/ing. : Ø 45 SC#ESSIN
			Supporto stamp. aperto : Ø 45 SSA#E
			Supporto aperto tipo "E" : Ø 45 SA#EENPNIN
			Piastra per supporto : Ø 45 PSA#1

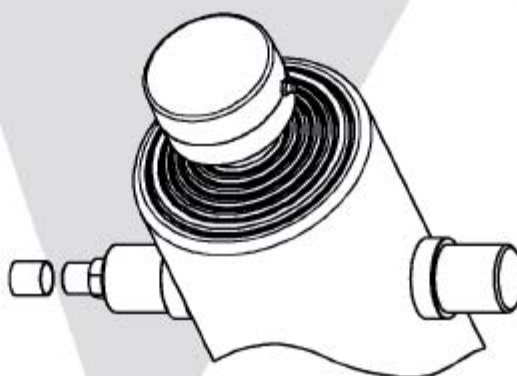
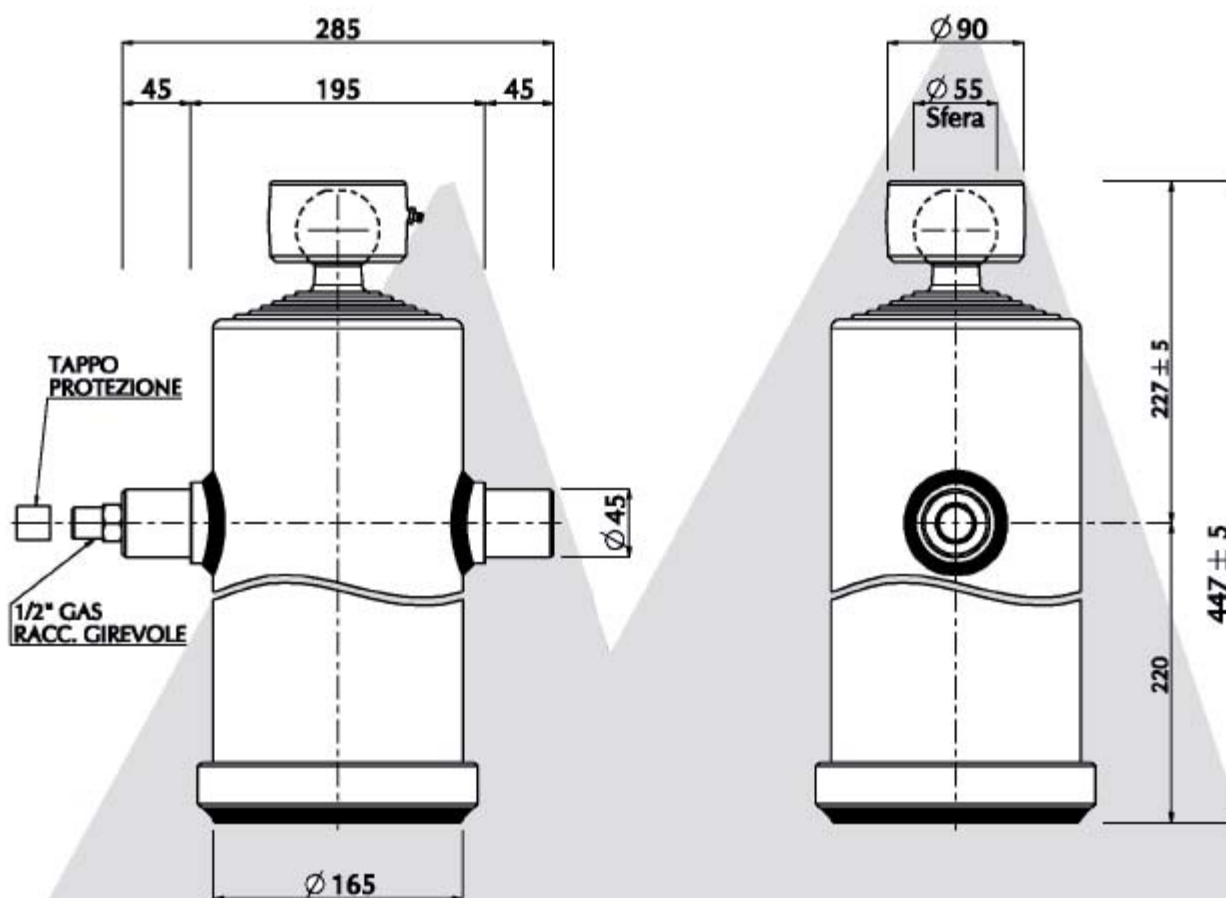


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate Corsa	Peso Cilindro	Volume di lavoro	Pressione max. di lavoro	Temperatura d'esercizio
I	Ø 140	23.1	: 5	: 1875 mm	: 59.55Kg	: 20.2 Lt	: 180 bar
II	Ø 120	17.0					: -30°C ↔ +100°C
III	Ø 105	13.0					
IV	Ø 90	9.5					
V	Ø 75	6.6					
VI							
VII							
VIII							

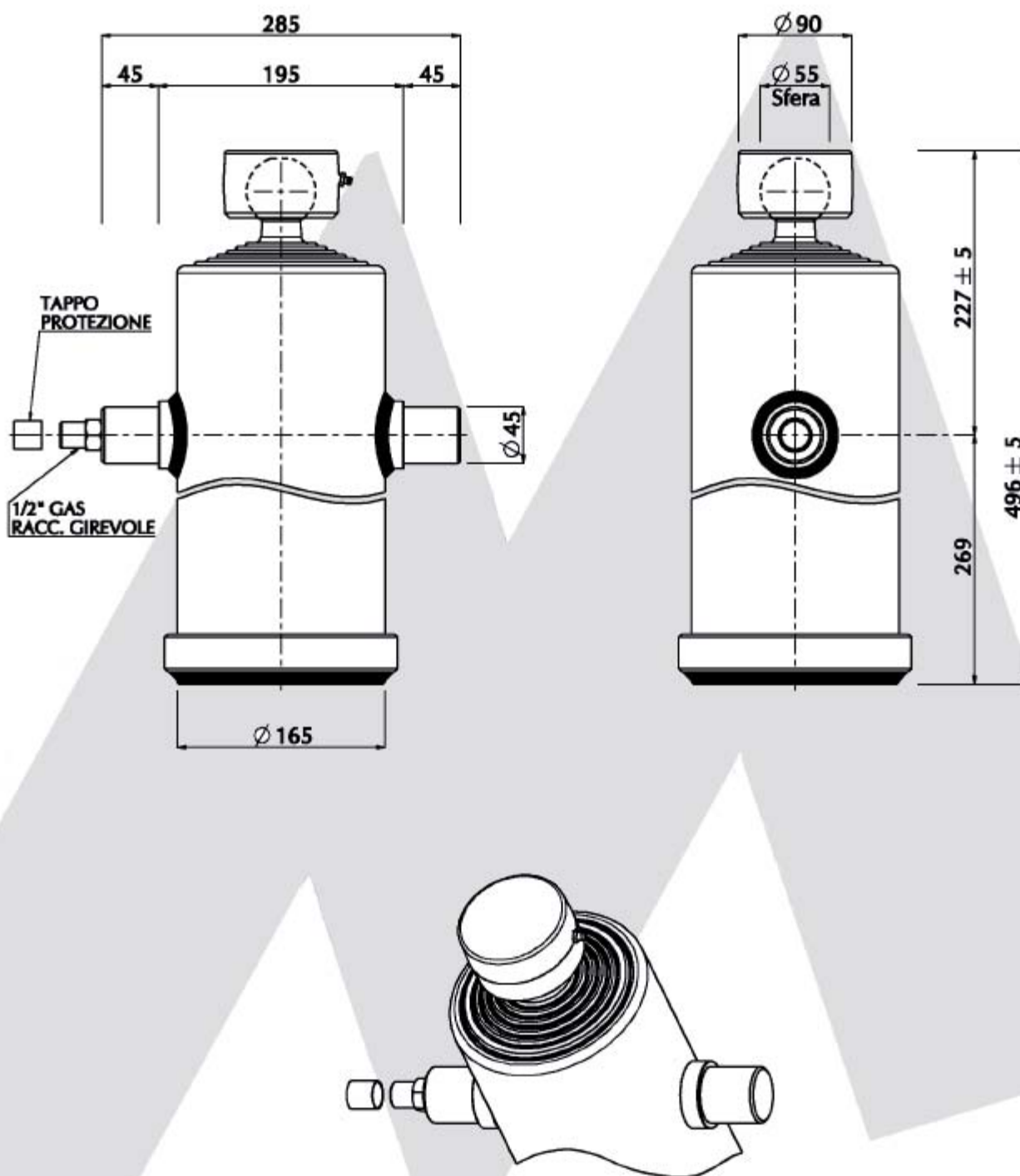
ACCESSORI		
Culla	: 5	CU#GG
Supporto stamp. chiuso c/ing.	: Ø 45	SC#ESSIN
Supporto stamp. aperto	: Ø 45	SSA#E
Supporto aperto tipo "E"	: Ø 45	SA#EENPNIN
Piastra per supporto	: Ø 45	PSA#1



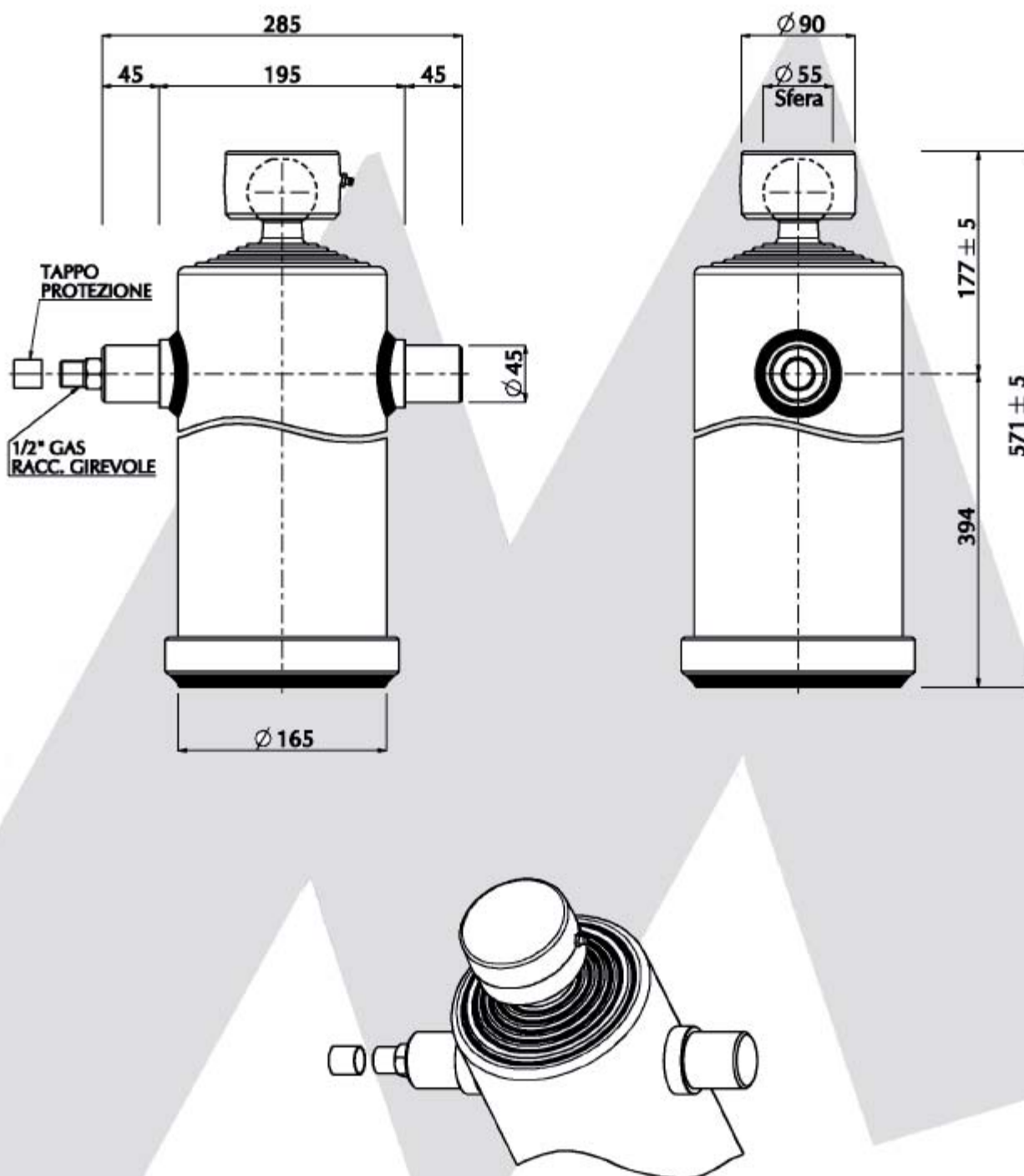
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]		
I	Ø 140	23.1	Numero sfilate	: 5
II	Ø 120	17.0	Corsa	: 2500 mm
III	Ø 105	13.0	Peso Cilindro	: 74.25Kg
IV	Ø 90	9.5	Volume di lavoro	: 26.9 Lt.
V	Ø 75	6.6	Pressione max. di lavoro	: 180 bar
VI			Temperatura d'esercizio	: -30°C ↔ +100°C
VII			ACCESSORI	
VIII			Culla	: 5 CU#GG
			Supporto stamp. chiuso c/ing.	: Ø 45 SC#ESSIN
			Supporto stamp. aperto	: Ø 45 SSA#E
			Supporto aperto tipo "E"	: Ø 45 SA#EENPNIN
			Piastra per supporto	: Ø 45 PSA#1



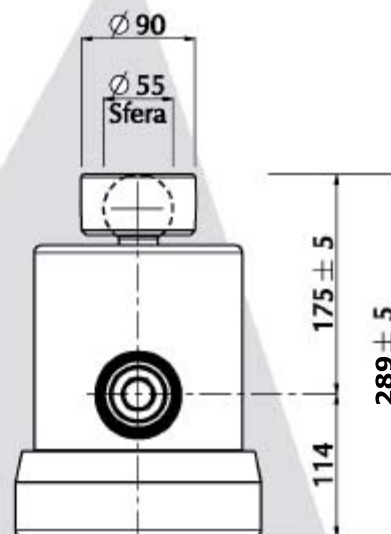
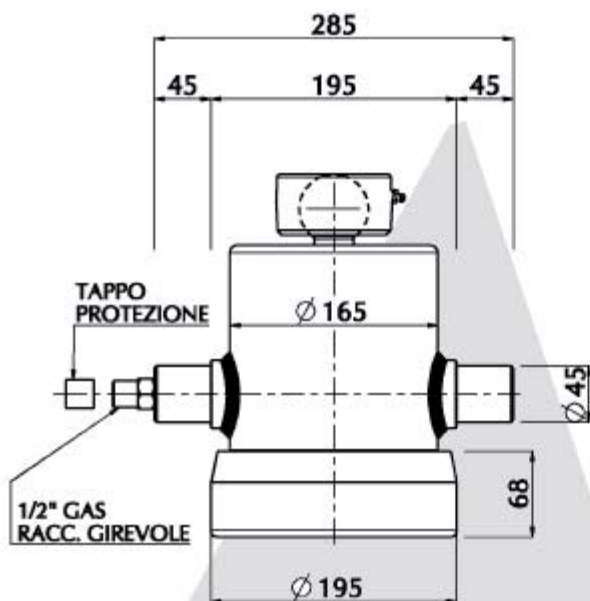
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6	Corsa : 1500 mm
I	$\varnothing 140$	23.1	Peso Cilindro : 52.35Kg	Volume di lavoro : 13.4 Lt
II	$\varnothing 120$	17.0	Pressione max. di lavoro : 180 bar	Temperatura d'esercizio : -30°C $\longleftrightarrow$ +100°C
III	$\varnothing 105$	13.0	ACCESSORI	
IV	$\varnothing 90$	9.5	Culla : 5	CU#GG
V	$\varnothing 75$	6.6	Supporto stamp. chiuso c/ing. : $\varnothing 45$	SC#ESSIN
VI	$\varnothing 60$	4.2	Supporto stamp. aperto : $\varnothing 45$	SSA#E
VII			Supporto aperto tipo "E" : $\varnothing 45$	SA#EENPNIN
VIII			Piastra per supporto : $\varnothing 45$	PSA#1



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6
I	Ø 140	23.1	Corsa : 1800 mm
II	Ø 120	17.0	Peso Cilindro : 58.6 Kg
III	Ø 105	13.0	Volume di lavoro : 16.1 Lt.
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar
V	Ø 75	6.6	Temperatura d'esercizio : -30°C ↔ +100°C
VI	Ø 60	4.2	
VII			
VIII			
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI
			Culla : 5 CU#GG
			Supporto stamp. chiuso c/ing. : Ø45 SC#ESSIN
			Supporto stamp. aperto : Ø45 SSA#E
			Supporto aperto tipo "E" : Ø45 SA#EENPNIN
			Piastra per supporto : Ø45 PSA#1

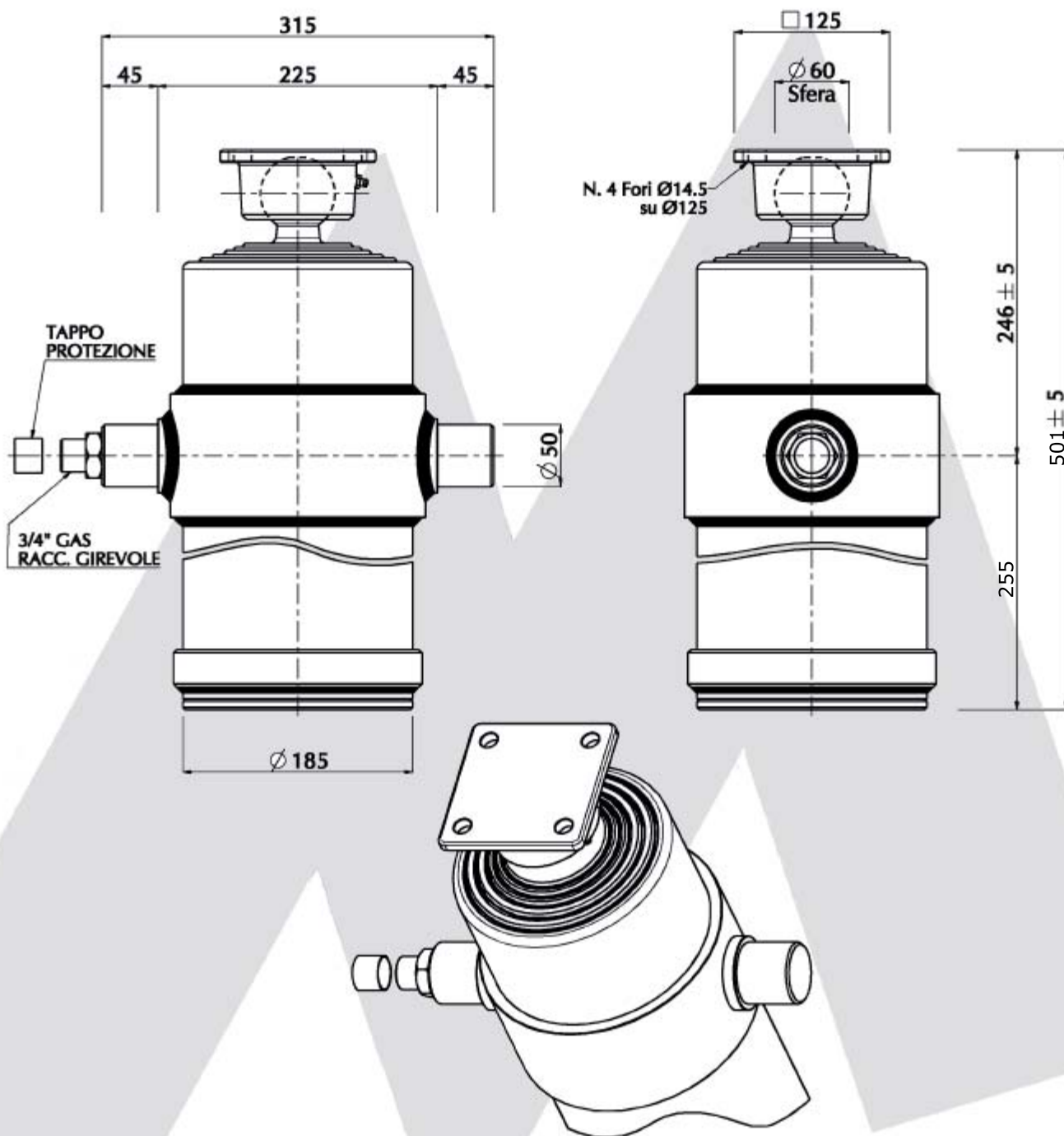


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6	
I	Ø 140	23.1	Corsa : 2250 mm	
II	Ø 120	17.0	Peso Cilindro : 69.25Kg	
III	Ø 105	13.0	Volume di lavoro : 19.2 Lt.	
IV	Ø 90	9.5	Pressione max. di lavoro : 180 bar	
V	Ø 75	6.6	Temperatura d'esercizio : -30°C ↔ +100°C	
VI	Ø 60	4.2		
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 5	CU#GG
			Supporto stamp. chiuso c/ing. : Ø45	SC#ESSIN
			Supporto stamp. aperto : Ø45	SSA#E
			Supporto aperto tipo "E" : Ø45	SA#EENPNIN
			Piastra per supporto : Ø45	PSA#1

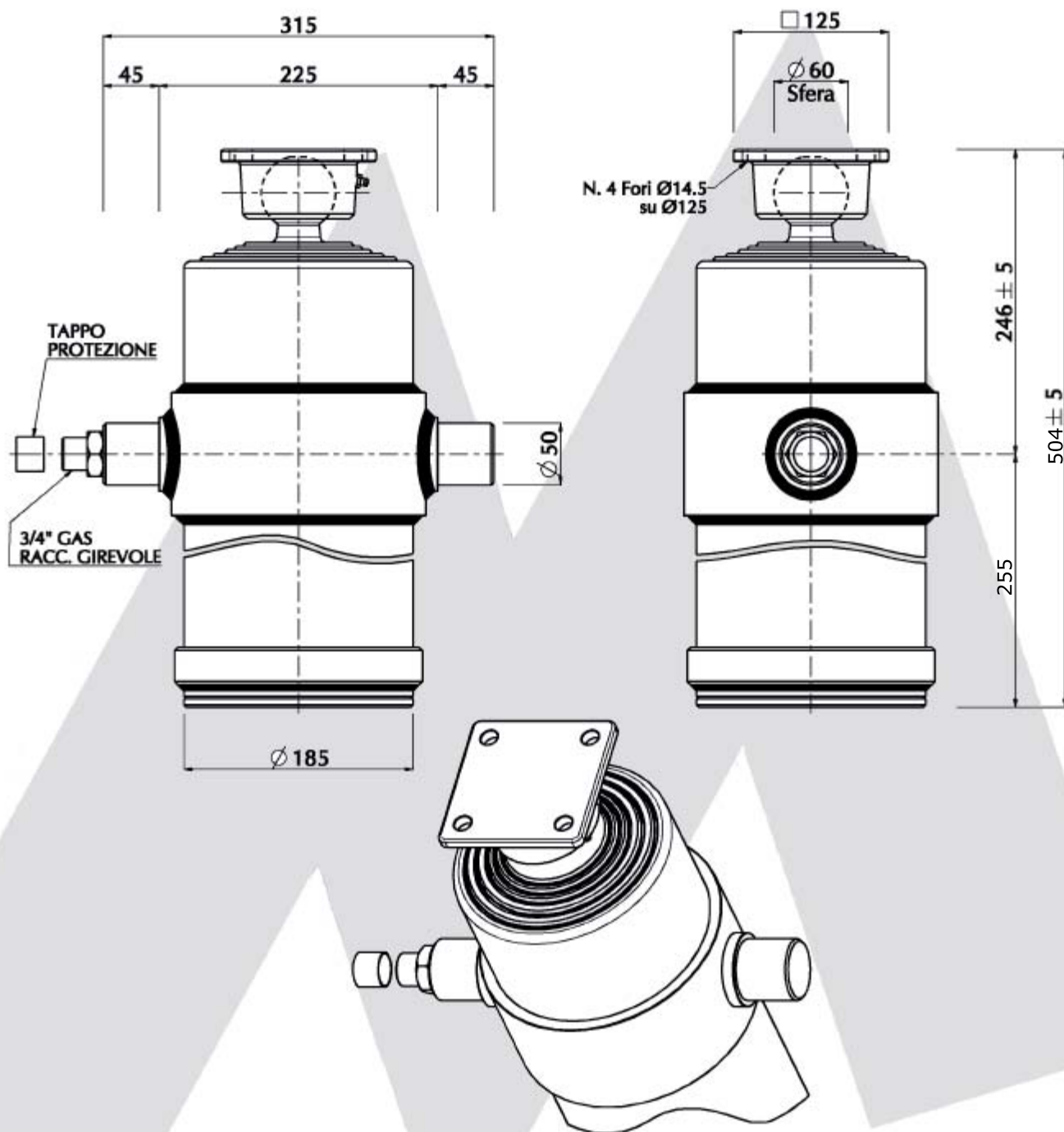


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 7	
I	Ø 140	23.1	Corsa : 910 mm	
II	Ø 120	17.0	Peso Cilindro : 37.45 Kg	
III	Ø 105	13.0	Volume di lavoro : 7.2 Lt.	
IV	Ø 90	9.5	Pressione max. di lavoro : 200 bar	
V	Ø 75	6.6	Temperatura d'esercizio : -30°C ↔ +100°C	
VI	Ø 60	4.2	ACCESSORI	
VII	Ø 45	2.4	Culla : --	
VIII			Supporto stamp. chiuso c/ing. : --	
			Supporto stamp. aperto : --	
			Supporto aperto tipo "E" : --	
			Piastra per supporto : --	

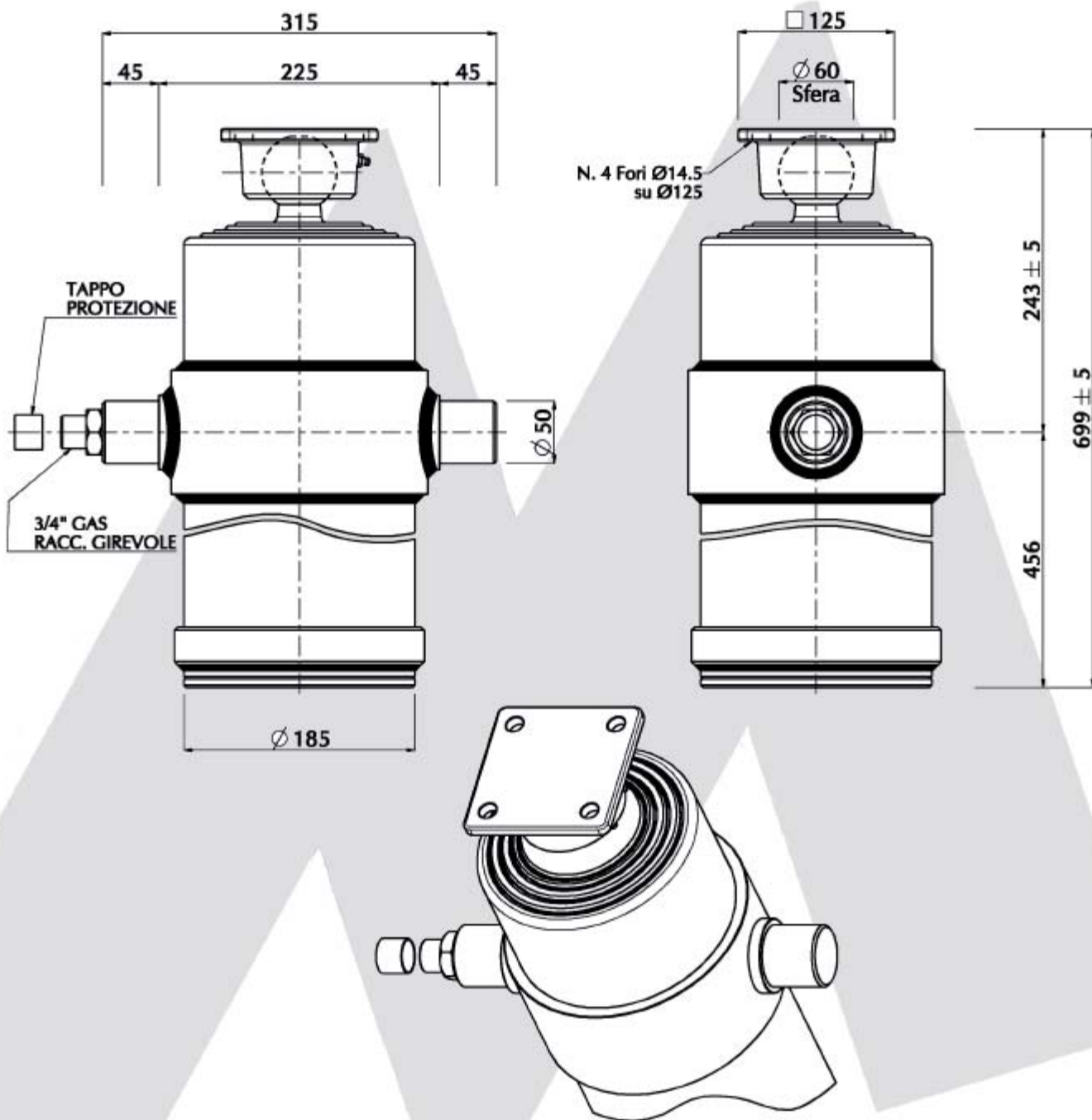
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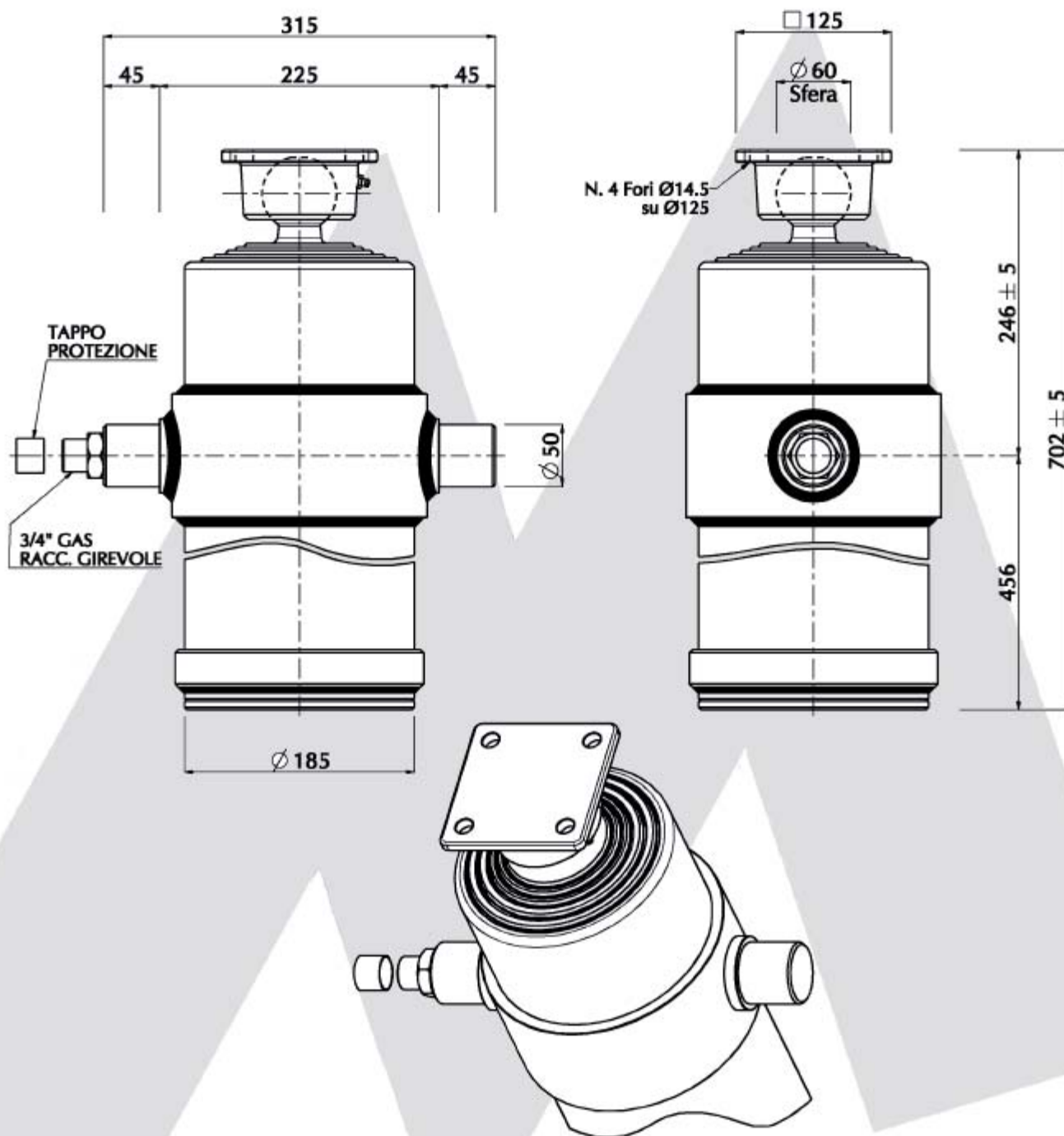
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5	
I	Ø 160	30.2	Corsa : 1450 mm	
II	Ø 140	23.1	Peso Cilindro : 70.9 Kg	
III	Ø 120	17.0	Volume di lavoro : 20,8 Lt.	
IV	Ø 105	13.0	Pressione max. di lavoro : 200 bar	
V	Ø 90	9.5	Temperatura d'esercizio : -30°C ↔ +100°C	
VI				
VII				
VIII				
International Edition, 07/2006, Last Update 02/2013 - Amendments and errors reserved - MARIZ s.r.l.®			ACCESSORI	
			Culla : 5B	CU#MN
			Supporto stamp. chiuso c/ing. : Ø 50	SC#GSSIN
			Supporto stamp. aperto : Ø 50	SSA#GSSPNIN
			Supporto aperto tipo "E" : Ø 50	—
			Piastra per supporto : Ø 50	PSA#2



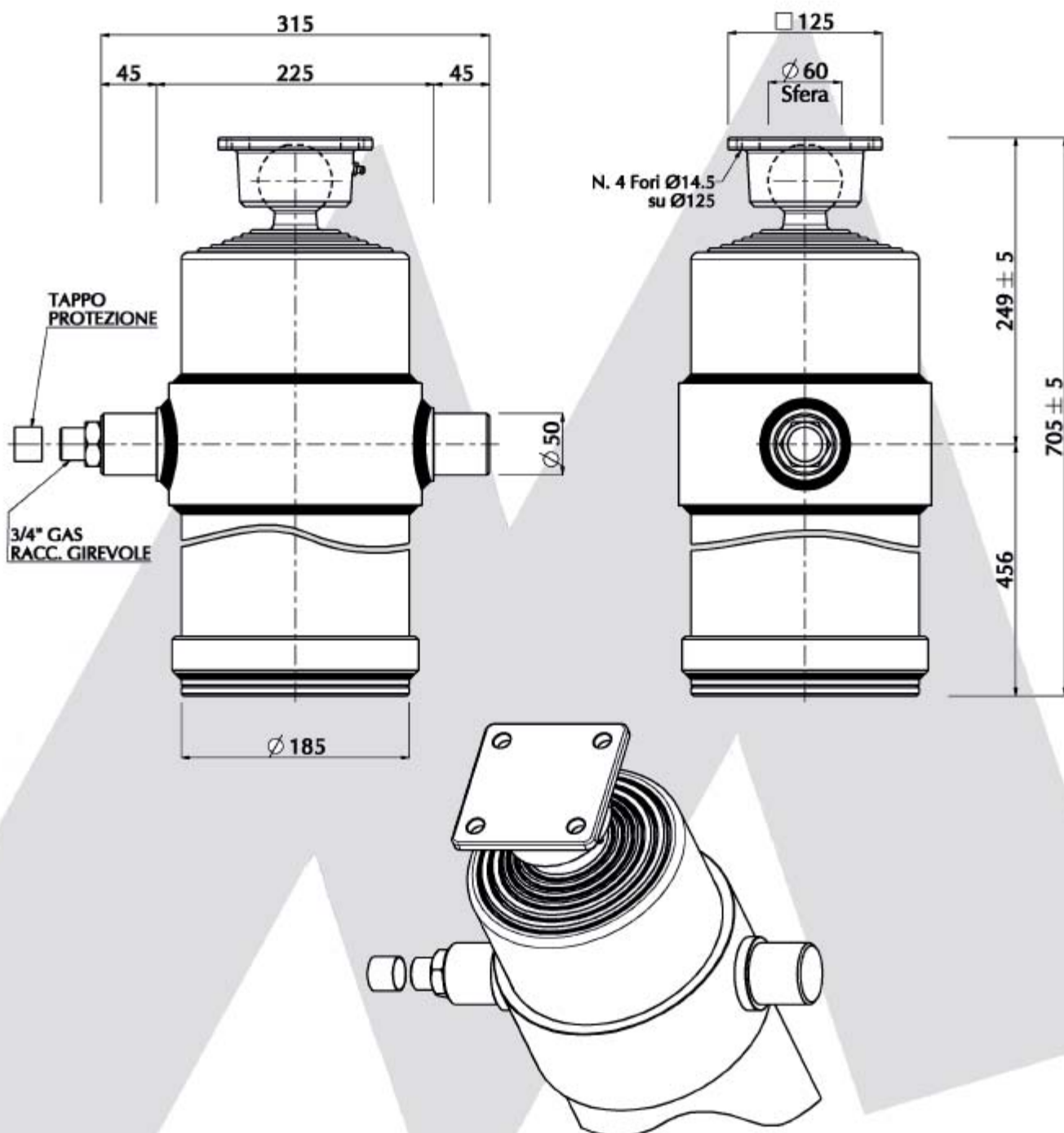
Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate	: 6
I	$\varnothing 160$	30.2	Corsa	: 1750 mm
II	$\varnothing 140$	23.1	Peso Cilindro	: 73.6 Kg
III	$\varnothing 120$	17.0	Volume di lavoro	: 21,96 Lt.
IV	$\varnothing 105$	13.0	Pressione max. di lavoro	: 200 bar
V	$\varnothing 90$	9.5	Temperatura d'esercizio	: -30°C $\longleftrightarrow$ +100°C
VI	$\varnothing 75$	6,6	ACCESSORI	
VII			Culla	: 5B CU#MN
VIII			Supporto stamp. chiuso c/ing.	: $\varnothing 50$ SC#GSSIN
			Supporto stamp. aperto	: $\varnothing 50$ SSA#GSSPNIN
			Supporto aperto tipo "E"	: $\varnothing 50$ —
			Piastra per supporto	: $\varnothing 50$ PSA#2



Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 4	Corsa : 2000 mm
I	$\phi 160$	30.2	Peso Cilindro : 92.65Kg	Volume di lavoro : 33.4 Lt.
II	$\phi 140$	23.1	Pressione max. di lavoro : 200 bar	Temperatura d'esercizio : -30°C $\leftrightarrow$ +100°C
III	$\phi 120$	17.0	ACCESSORI	
IV	$\phi 105$	13.0	Culla : 5B	CU#MN
V			Supporto stamp. chiuso c/ing. : $\phi 50$	SC#GSSIN
VI			Supporto stamp. aperto : $\phi 50$	SSA#GSSPIN
VII			Supporto aperto tipo "E" : $\phi 50$	—
VIII			Piastra per supporto : $\phi 50$	PSA#2

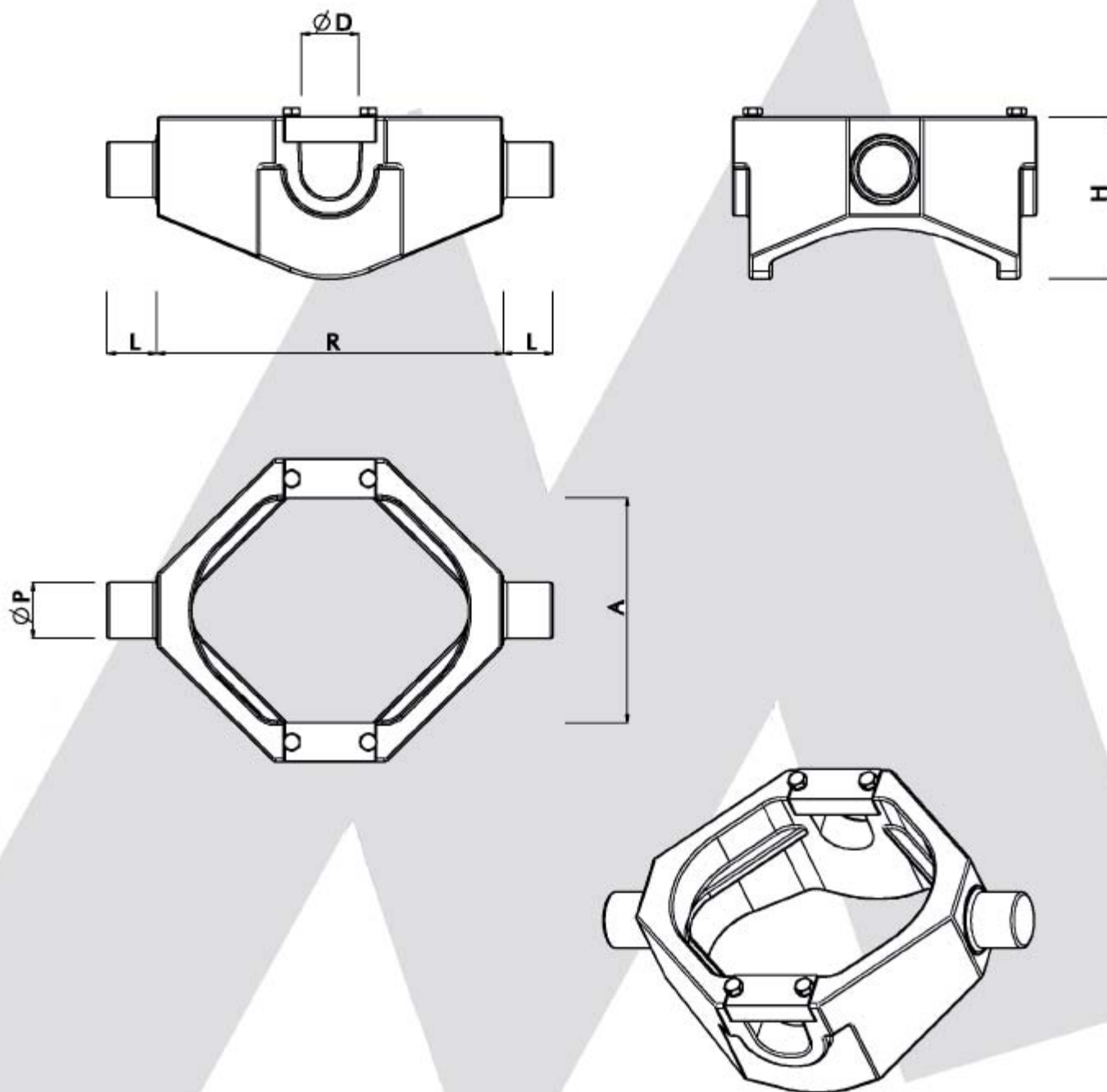


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 5	Corsa : 2500 mm
I	$\varnothing 160$	30.2	Peso Cilindro : 92.65Kg	Volume di lavoro : 35.9 Lt.
II	$\varnothing 140$	23.1	Pressione max. di lavoro : 200 bar	Temperatura d'esercizio : -30°C $\longleftrightarrow$ +100°C
III	$\varnothing 120$	17.0	ACCESSORI	
IV	$\varnothing 105$	13.0	Culla : 5B	CU#MN
V	$\varnothing 90$	9.5	Supporto stamp. chiuso c/ing. : $\varnothing 50$	SC#GSSIN
VI			Supporto stamp. aperto : $\varnothing 50$	SSA#GSSPIN
VII			Supporto aperto tipo "E" : $\varnothing 50$	—
VIII			Piastra per supporto : $\varnothing 50$	PSA#2

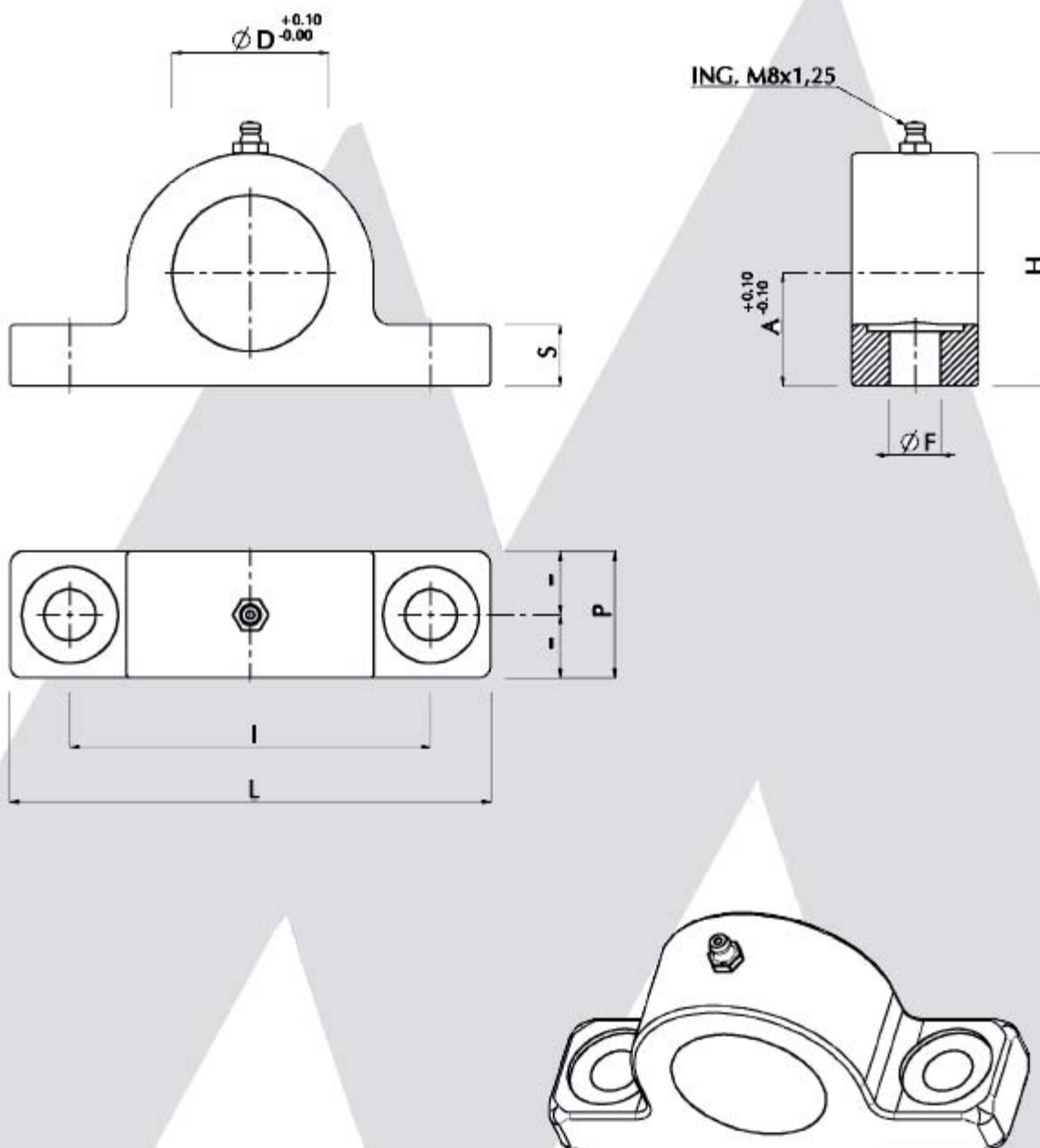


Sfilate [N]	Diametro Effettivo [mm]	Spinta a 150 bar [Ton]	Numero sfilate : 6	Corsa : 3000 mm
I	$\varnothing 160$	30.2	Peso Cilindro : 103.1 Kg	Volume di lavoro : 37.6 Lt.
II	$\varnothing 140$	23.1	Pressione max. di lavoro : 200 bar	Temperatura d'esercizio : -30°C $\longleftrightarrow$ +100°C
III	$\varnothing 120$	17.0	ACCESSORI	
IV	$\varnothing 105$	13.0	Culla : 5B	CU#MN
V	$\varnothing 90$	9.5	Supporto stamp. chiuso c/ing. : $\varnothing 50$	SC#GSSIN
VI	$\varnothing 75$	6.6	Supporto stamp. aperto : $\varnothing 50$	SSA#GSSPIN
VII			Supporto aperto tipo "E" : $\varnothing 50$	—
VIII			Piastra per supporto : $\varnothing 50$	PSA#2

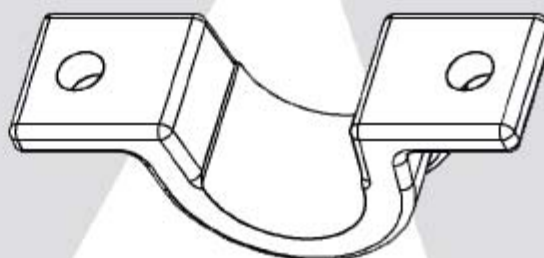
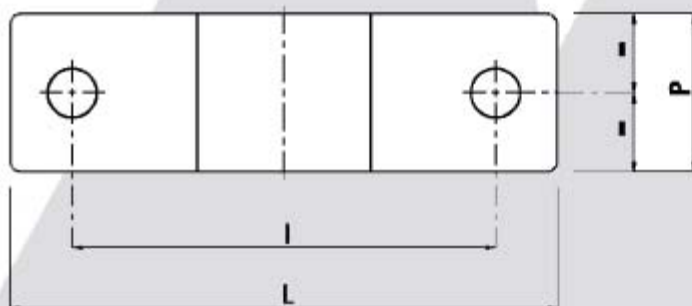
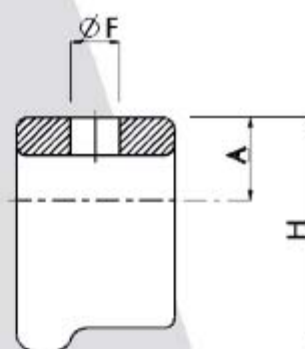
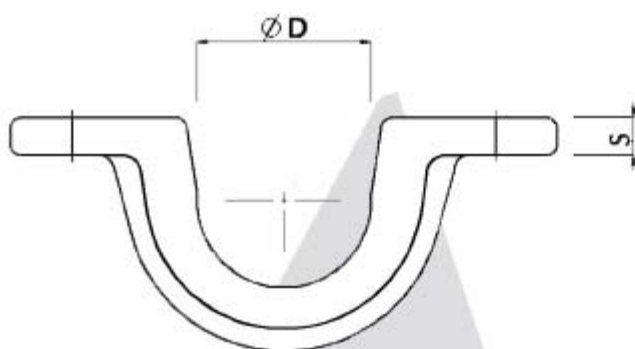
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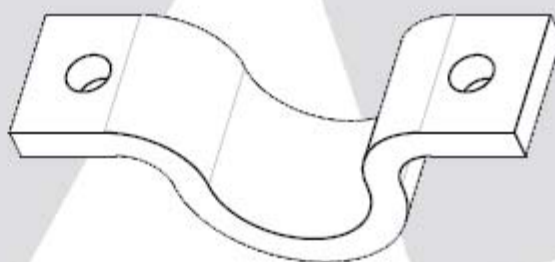
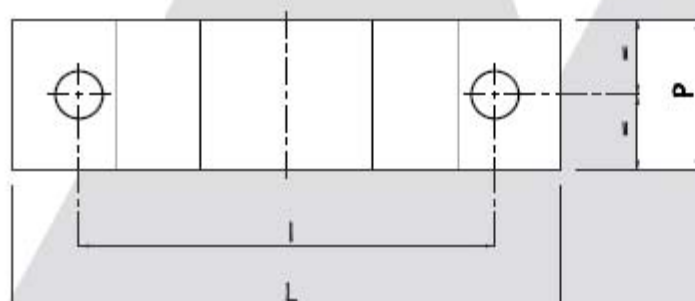
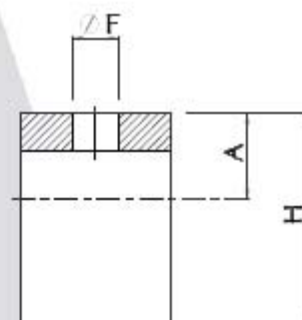
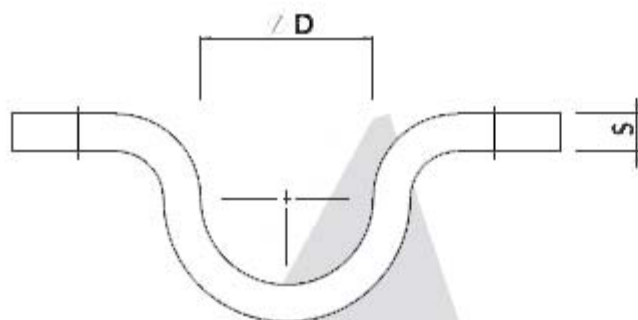
CODE	DESCRIPTION	$\varnothing D$ [mm]	A [mm]	$\varnothing P$ [mm]	R [mm]	L [mm]	H [mm]	WEIGHT [Kg]
CU#AB	Culla lav. - A=150-R=230 - P.ø40x40 - Pc.ø40 - [T.3]	41	150	40	230	40	106	7,35
CU#EB	Culla lav. - A=183-R=280 - P.ø40x40 - Pc.ø45 - [T.4]	46	182	45	280	40	131	12,9
CU#GG	Culla lav. - A=199-R=280 - P.ø45x40 - Pc.ø45 - [T.5]	46	203	45	280	40	126	15,75
CU#MN	Culla lav. - A=230-R=370 - P.ø50x40 - Pc.ø50 - [T.5b]	51	226	50	370	40	139	25,6



CODE	DESCRIPTION	ØD [mm]	A [mm]	ØF [mm]	I [mm]	S [mm]	L [mm]	P [mm]	H [mm]	Weight [Kg]
SC#CSSIN	Supp. chiuso stam. lav. - Ø40 + Ing.	40.5	33	15	105	18	140	37	68	1.1
SC#ESSIN	Supp. chiuso stam. lav. - Ø45 + Ing.	45.5	33	15	105	18	140	37	68	1.0
SC#GSSIN	Supp. chiuso stam. lav. - Ø50 + Ing.	50.5	33	15	105	18	140	37	68	0.9

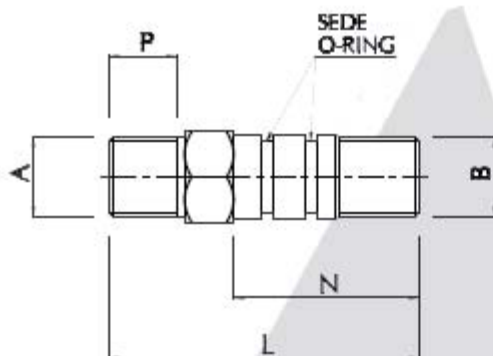


CODE	DESCRIPTION	ØD [mm]	A [mm]	ØF [mm]	I [mm]	S [mm]	L [mm]	P [mm]	H [mm]	Weight [Kg]
SSA#C	Supp. stamp. aperto - Ø40	41	20.5	13	110	10	145	40	61	0.8
SSA#E	Supp. stamp. aperto - Ø45	46	22.0	13	112	10	145	42	61	0.8
SSA#G	Supp. stamp. aperto - Ø50	51	24.5	13	116	13	190	70	83	1.7

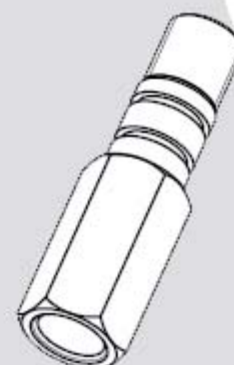
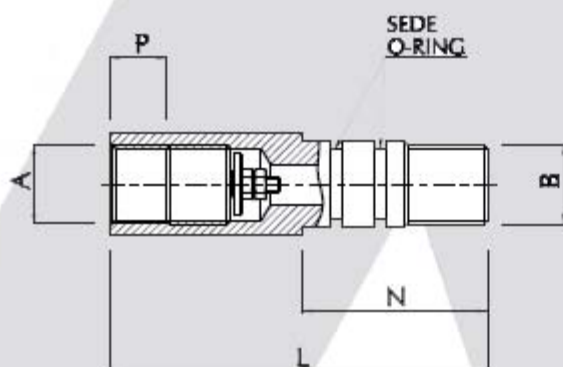


CODE	DESCRIPTION	$\varnothing D$ [mm]	A [mm]	$\varnothing F$ [mm]	I [mm]	S [mm]	L [mm]	P [mm]	H [mm]	Weight [Kg]
SA#CENPNIN	Supp. aperto econ. - $\varnothing 40$	40.5	20.0	12.5	110	10	145	40	51	0.6
SA#EENPNIN	Supp. aperto econ. - $\varnothing 45$	45.5	22.5	12.5	110	10	145	40	51	0.6

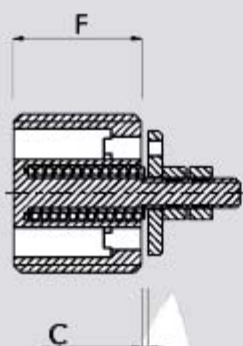
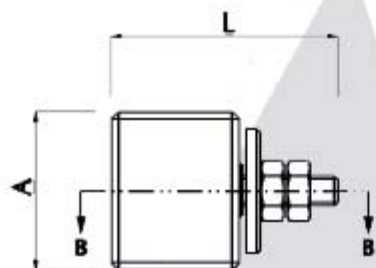
Type A



Type B



CODE	DESCRIPTION	A [in]	B [in]	CH [mm]	P [mm]	L [mm]	N [mm]	Weight [Kg]
	Type A							
RO#AN	Raccordo oscil. 00° - E24x082 - M.Gir.1/2" x M.1/2"	1/2"	1/2"	24	18	82	49	0.20
RO#EN	Raccordo oscil. 00° - E27x082 - M.Gir.1/2" x M.3/4"	3/4"	1/2"	27	18	82	49	0.22
	Type B							
RO#CN	Raccordo oscil. 00° - E27x100 - M.Gir.1/2" x F.1/2"	1/2"	1/2"	27	15	100	49	0.05



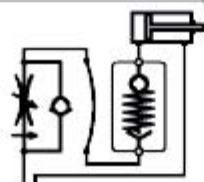
SEZIONE B-B



Symbol

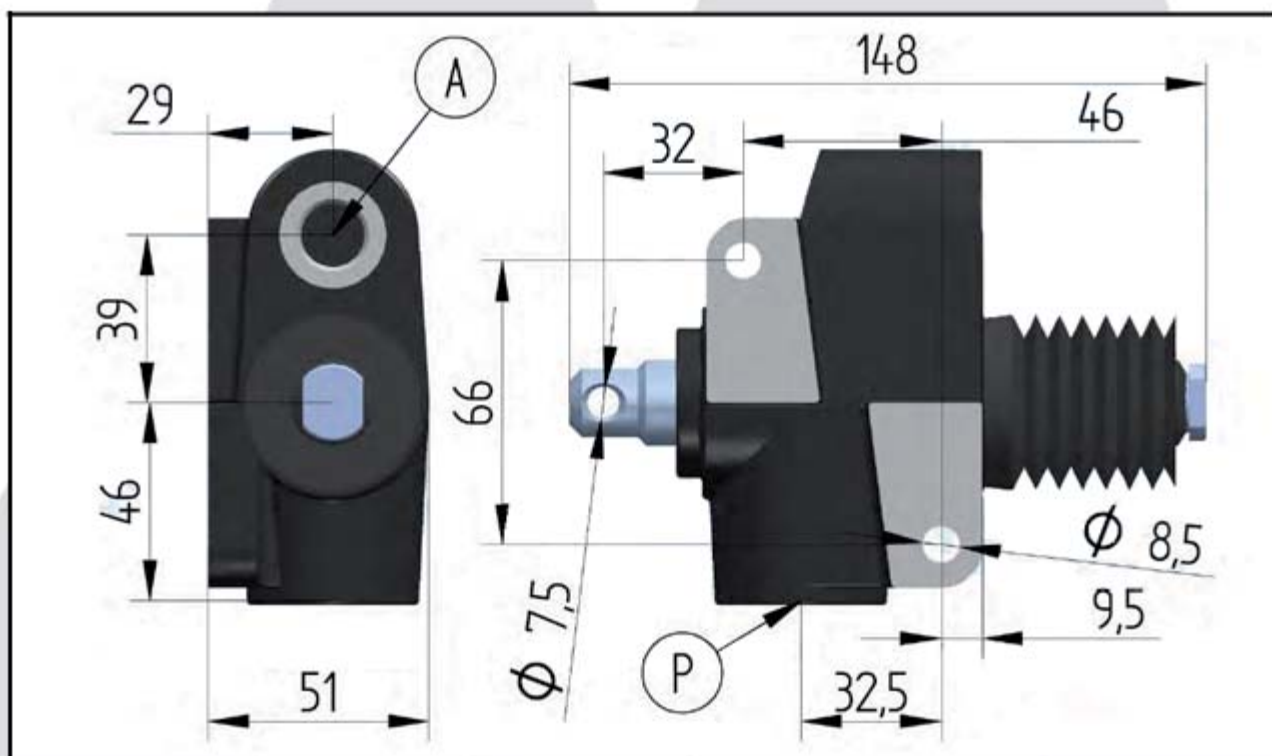
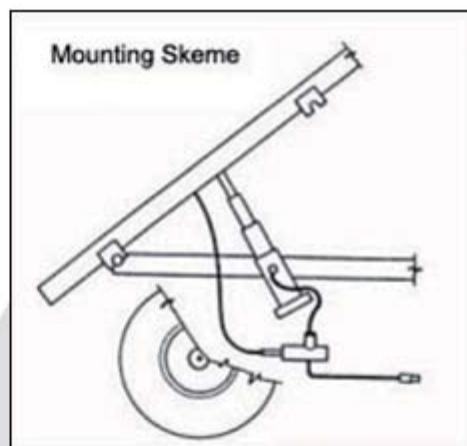


Mounting example



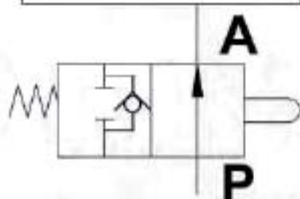
Max working pressure : 350 bar
Temperature : -20°C ↔ +70°C
Capacity : 04 ↔ 150 L/min

CODE	DESCRIPTION	A [in]	L [mm]	F [mm]	C [mm]	Weight [Kg]
VLV#AI01	Valvola paracadute - 1/2" c/fori	1/2	25	12	0.4 ↔ 1.2	0.02



**NORMALMENTE APERTO
OPEN CENTRE**

Direzione flusso da P a A
Flow direction from P to A



CODE [BI_VLV_]	_3/8-CRD	_1/2-CRD	_3/4-CRD
Max press. [bar]	250	250	250
Flow [lts/min]	60	80	100
Weight [kg]	1,7	1,65	1,6
P - A	3/8 GAS	1/2 GAS	3/4 GAS
Max stroke	14	14	14