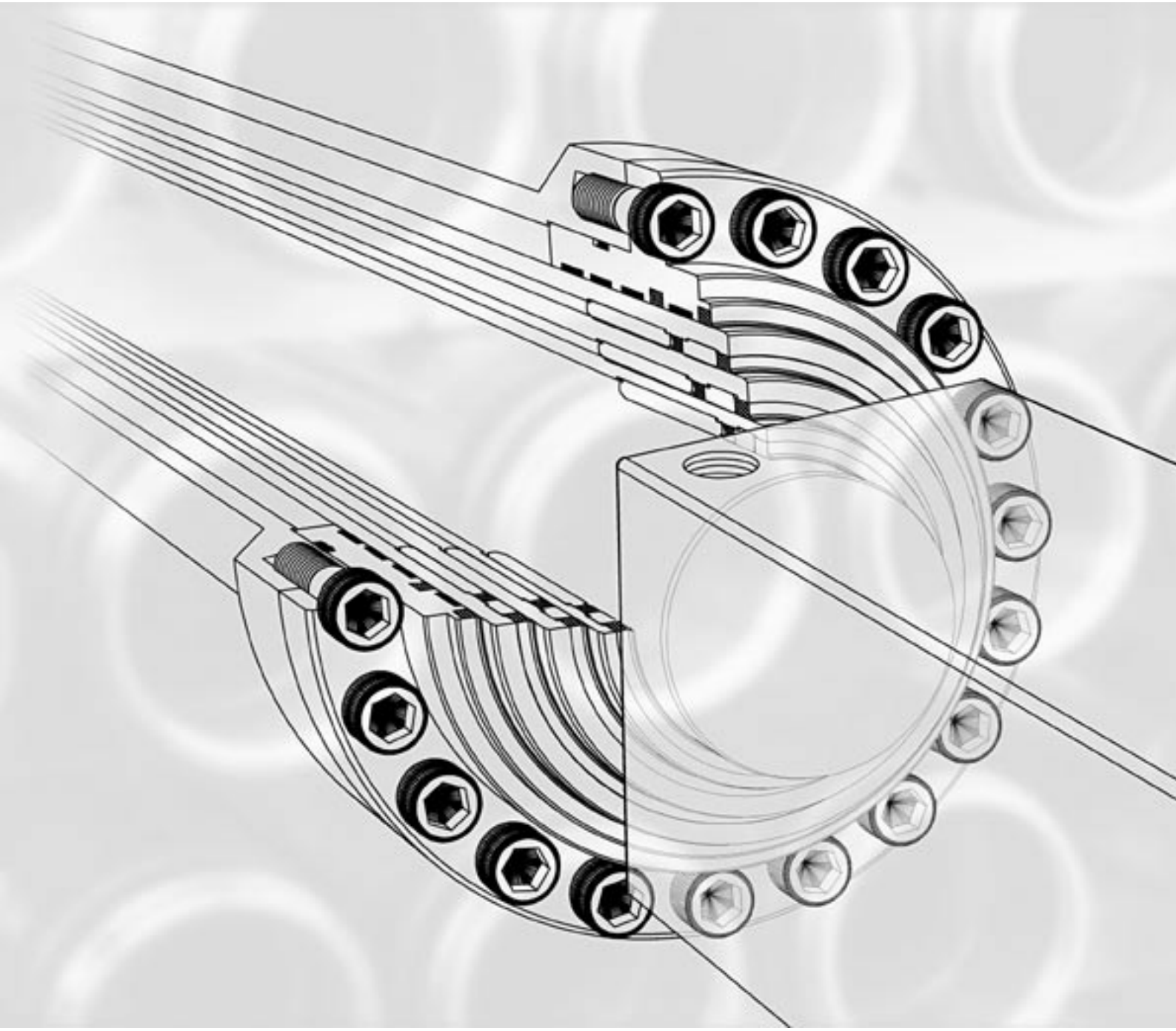
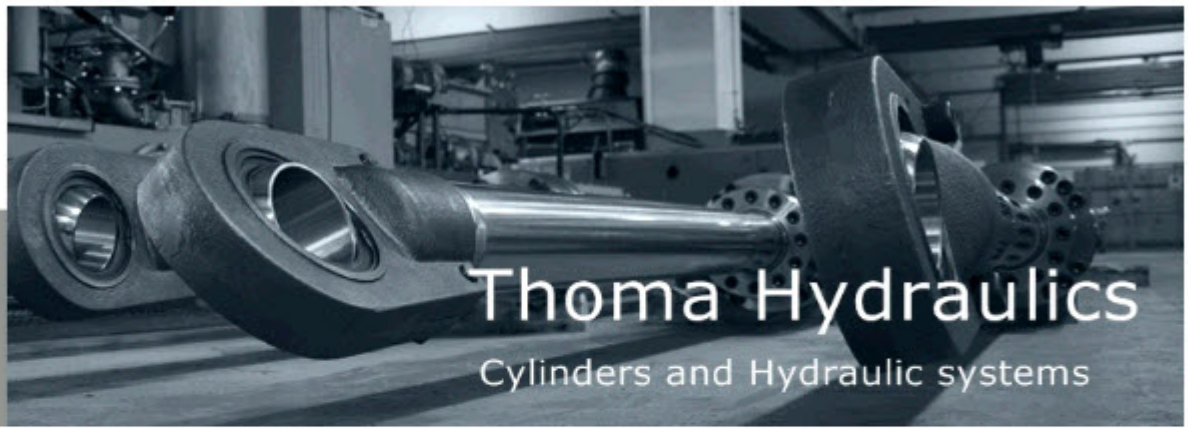
TELESCOPING DOUBLE-ACTING CYLINDERS
FOR AUTOCOMPACTORS AND SEMI-TRAILERS
CILINDRI TELESCOPICI DOPPIO EFFETTO
PER AUTOCOMPATTATORI E SEMI-RIMORCHI



HYDRAULIC CYLINDERS **CILINDRI OLEODINAMICI**

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems



Thoma Hydraulics B.V.

De Factorij 8a, 1689 AL Zwaag

Telefoon : +31(0)229 272759

K.v.K. nr. : 56010087

COMPOSIZIONE CODICE CILINDRO

Il codice è formato da lettere e numeri:

- Le prime lettere indicano il modello di appartenenza: **TL TW TS**
- Il numero immediatamente successivo indica il numero degli sfili: **TL3 TW4 TS6**
- La lettera successiva al numero degli sfili indica il tipo di cilindro.
- I numeri seguenti la lettera indicano la lunghezza chiusa del cilindro stesso:



Ovviamente si utilizza questo codice solo se il cilindro richiesto è perfettamente uguale al catalogo.

Nel caso venisse modificata solo la lunghezza (vedi istruzioni seguenti), si farà solamente la variazione del numero indicante la lunghezza dell'interasse chiuso Lc.

I cilindri possono essere forniti con i PV anche nei modelli raffigurati con gli snodi.

La gamma di cilindri telescopici per autocompattatori indicata nel presente catalogo, in alcuni casi non soddisfa le esigenze della clientela, per cui a volte necessitano delle lunghezze diverse di quelle da noi proposte.

In questo caso bisogna considerare che un eventuale aumento (o riduzione) della corsa indicata nel catalogo, produce una variazione dell'interasse chiuso Lc, pari al valore di incremento (o diminuzione), diviso il numero degli sfili.

- **Esempio**
  Codice di catalogo

TL4A1100 **Lc**=1100 **La**=4215 **Corsa**=3115

Si tratta di un cilindro a 4 sfili con interasse chiuso a 1100 mm.

Se vogliamo aumentare la corsa di 40 mm da 3115 a 3155: 40 mm / 4 sfili = 10 mm per ogni sfilo, per cui l'ingombro chiuso sarà 1110 mm anziché 1100.

- **Il codice diventa così:**

TL4A1100 **Lc**=1110 **La**=4265 **Corsa**=3155

CYLINDERS COMPOSITION CODE

The code is formed of letters and numbers:

- The first letters indicate the model: **TL TW TS**
- The next number indicates the number of extensions: **TL3 TW4 TS6**
- The letter after the number of extensions indicates the type of the cylinder.
- The numbers after the letter indicate the closed lenght of the cylinder itself:



Obviously this code if only used if the cylinder you required is perfectly identical to the one in the catalogue.

If you want only to modify the length (see instructions below) just change the number indicating the closed c/c length.

Cylinders can be supplied with PVs even in the models illustrated with joints.

The range of telescopic cylinders for truck-mounted solid waste compacters indicate in this catalogue may not, in some cases, suit customer requirements.
Customers, in particular, may require lengths that are different from those we propose.

In this case remember that an increase (or decrease) in total strokes indicated in the catalogue, creates a variation in closed c/c length equal to be increase (or decrease) dimension divided by the number of extensions.

- **For example**
  Catalogue code

TL4A1100 **Lc**=1100 **La**=4215 **Stroke**=3115

This is a cylinder with n. 4 extensions with a closed c/c length of 1100 mm.

If we want to increase the stroke by 40 mm, from 3115 to 3155: 40 mm / 4 extensions = 10 mm to each extension, as a consequence, will be 1110 mm rather than 1100.

- **The code becomes:**

TL4A1100 **Lc**=1110 **La**=4265 **Stroke**=3155

CILINDRI OLEODINAMICI TELESCOPICI DOPPIO EFFETTO

TELESCOPIC DOUBLE-ACTING HYDRAULIC CYLINDERS

PER AUTOCOMPATTATORI/*FOR AUTOCOMPACTORS*

Pag./*Page*	Tipo/*Tipo*	N° Sfili/*Extension*	Diametro sfilate/*Extension diameter*						Canna/*Ext. tube*
5	TL2A	2	40	60					70/85
6	TL2B	2		60	80				90/105
7	TL2C	2			80	100			110/125
8	TL2D	2				100	125		140/155
9	TL3A	3	40	60	80				90/105
10	TL3B	3		60	80	100			110/125
11	TL3C	3			80	100	125		140/155
12	TL4A	4	40	60	80	100			110/125
13	TL4B	4		60	80	100	125		140/155
14	TL4C	4			80	100	125	155	170/190
15	TL5A	5	40	60	80	100	125		140/155
16	TL5B	5		60	80	100	125	155	170/190
17	TL6	6	40	60	80	100	125	155	170/190
18	TW2A	2	30	50					60/75
19	TW2B	2		50	70				80/95
20	TW2C	2			70	90			100/115
21	TW2D	2				90	115		130/145
22	TW3A	3	30	50	70				80/95
23	TW3B	3		50	70	90			100/115
24	TW3C	3			70	90	115		130/145
25	TW4A	4	30	50	70	90			100/115
26	TW4B	4		50	70	90	115		130/145
27	TW4C	4			70	90	115	140	150/170
28	TW5A	5	30	50	70	90	115		130/145
29	TW5B	5		50	70	90	115	140	150/170
30	TW5C	5			70	90	115	140	165	180/200
31	TW6	6		50	70	90	115	140	165	180/200

PER SEMIRIMORCHI/*FOR SEMI-TRAILERS*

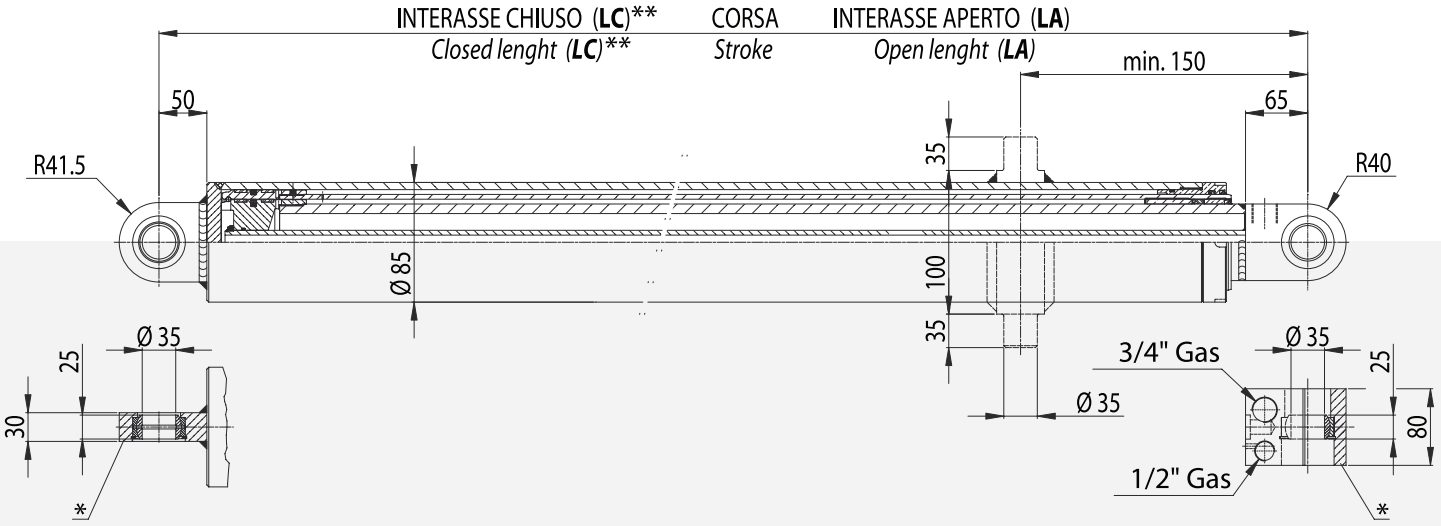
Pag./*Page*	Tipo/*Tipo*	N° Sfili/*Extension*	Diametro sfilate/*Extension diameter*						Canna/*Ext. tube*
33	TS3	3			120	145	180		190/219
34	TS4	4		90	120	145	180		190/219
35	TS5	5		90	120	145	180	220	240/273
36	TS6	6	65	90	120	145	180	220	240/273

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems

CILINDRI OLEODINAMICI PER AUTOCOMPATTATORI

HYDRAULIC CYLINDERS FOR TRUCK-MOUNTED SOLID WASTE COMPACTERS

Tipo/*Type* TL2A



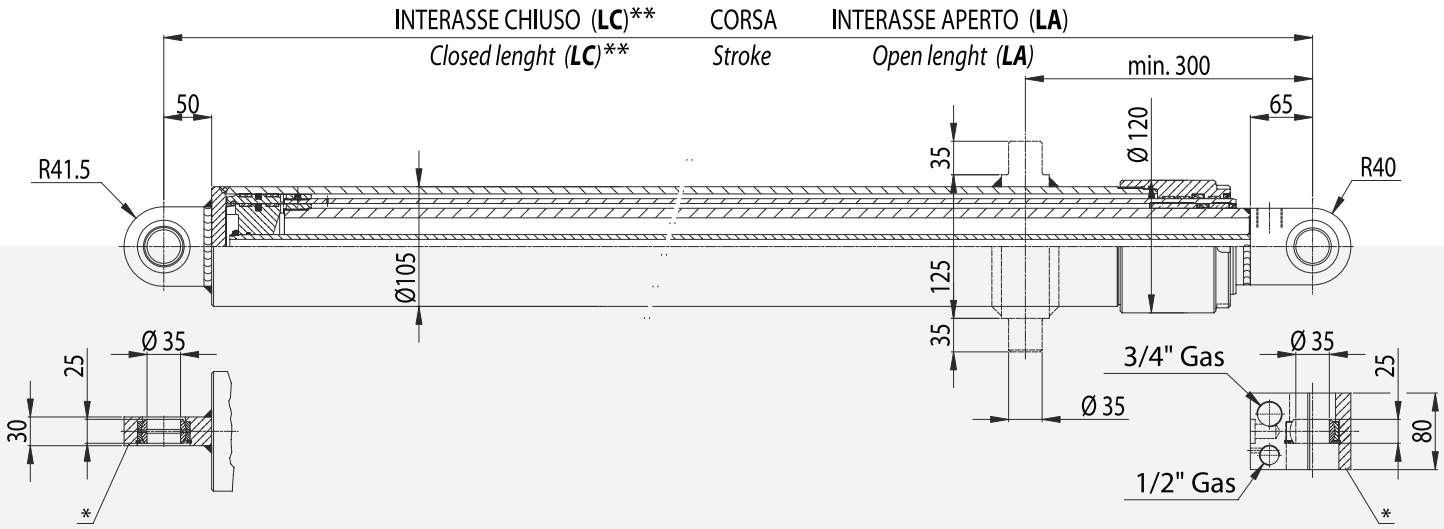
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 60	6.700	1.230
2° = 40	3.400	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL2A0700	700	1475	775
TL2A0750	750	1625	875
TL2A0800	800	1775	975
TL2A0850	850	1925	1075
TL2A0900	900	2075	1175
TL2A0950	950	2225	1275
TL2A1000	1000	2375	1375
TL2A1050	1050	2525	1475
TL2A1100	1100	2675	1575
TL2A1150	1150	2825	1675
TL2A1200	1200	2975	1775

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL2B



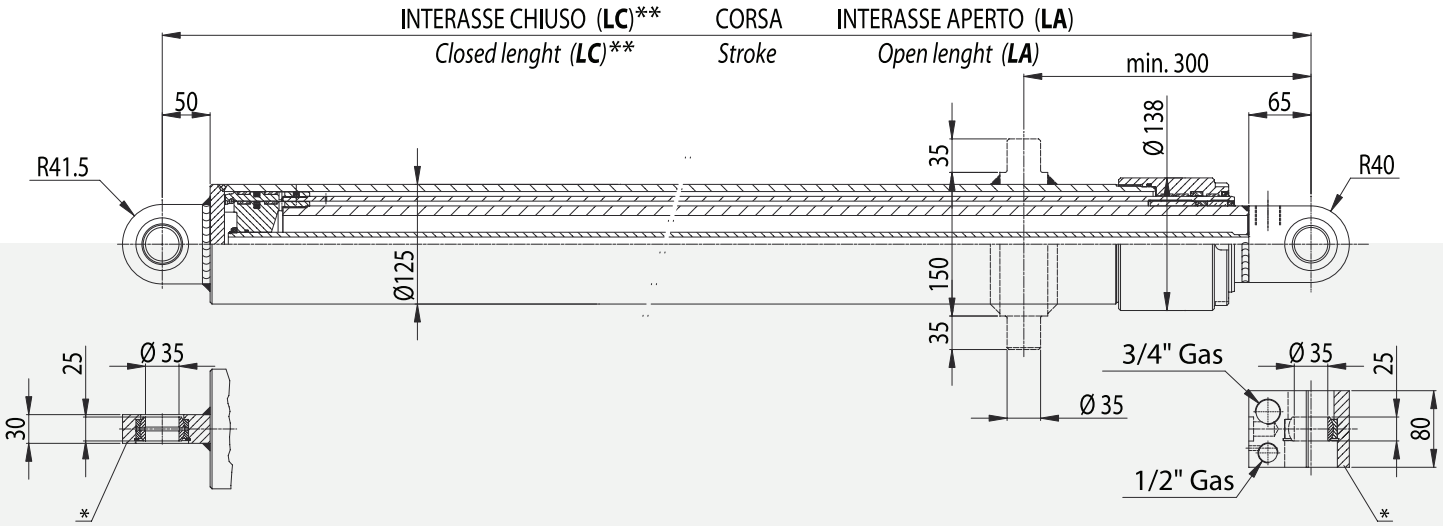
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 80	11.120	1.780
2° = 60	6.730	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL2B0700	700	1470	770
TL2B0750	750	1620	870
TL2B0800	800	1770	970
TL2B0850	850	1920	1070
TL2B0900	900	2070	1170
TL2B0950	950	2220	1270
TL2B1000	1000	2370	1370
TL2B1050	1050	2520	1470
TL2B1100	1100	2670	1570
TL2B1150	1150	2820	1670
TL2B1200	1200	2970	1770

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL2C



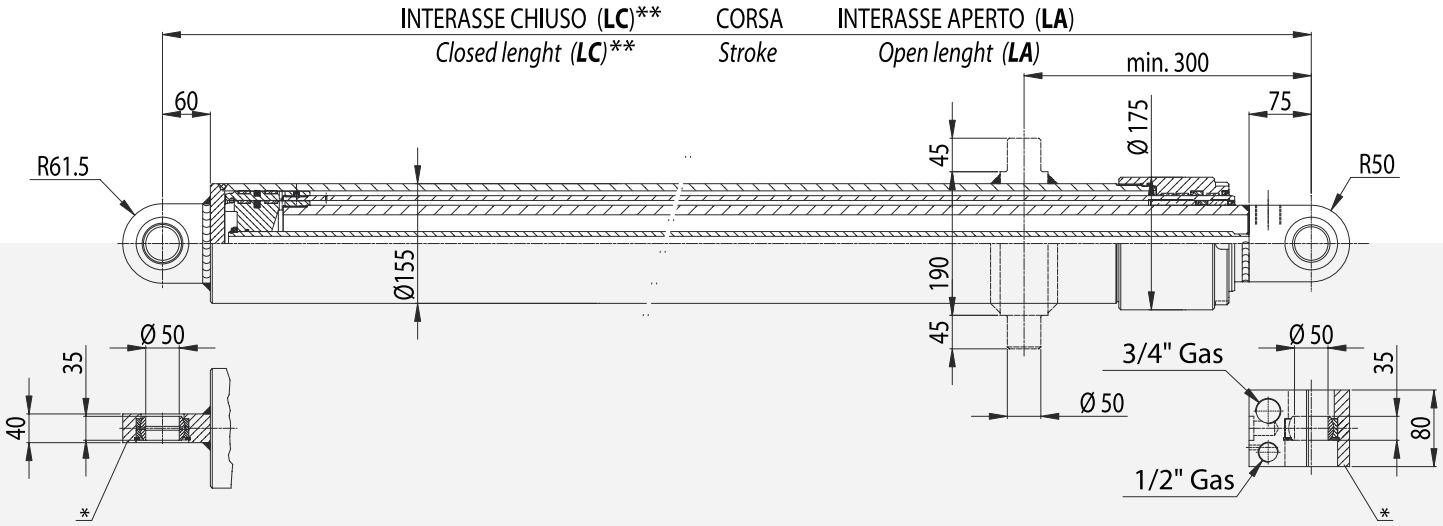
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 100	16.620	2.330
2° = 80	11.120	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL2C0700	700	1460	760
TL2C0750	750	1610	860
TL2C0800	800	1760	960
TL2C0850	850	1910	1060
TL2C0900	900	2060	1160
TL2C0950	950	2210	1260
TL2C1000	1000	2360	1360
TL2C1050	1050	2510	1460
TL2C1100	1100	2660	1560
TL2C1150	1150	2810	1660
TL2C1200	1200	2960	1760

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL2D



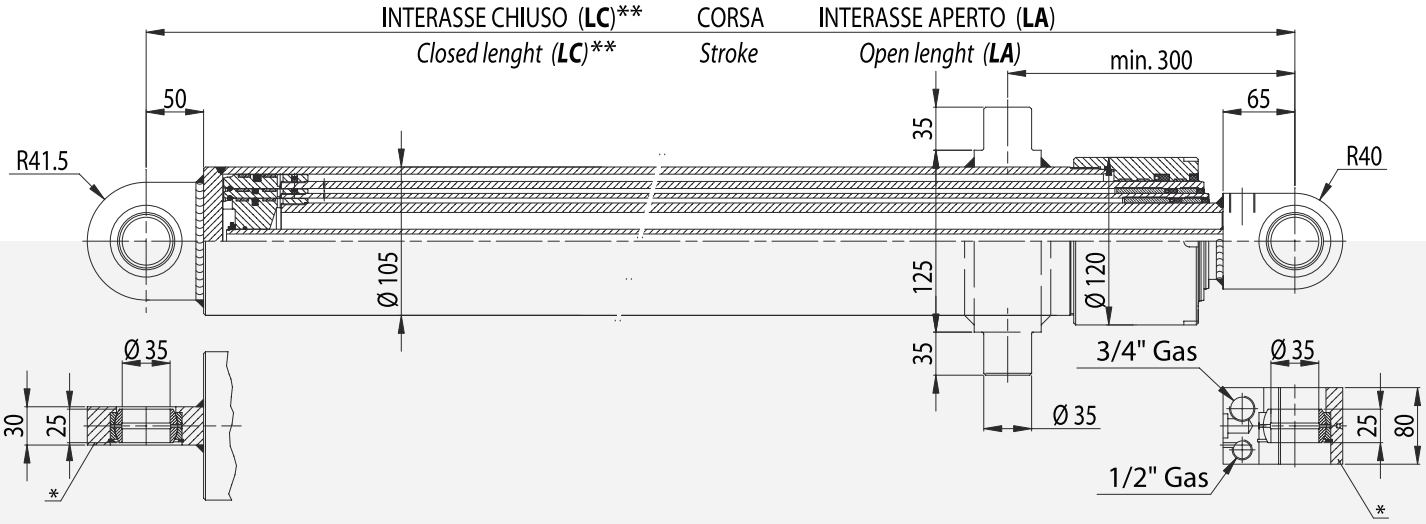
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 125	26.900	2.800
2° = 100	16.620	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL2D0700	700	1395	695
TL2D0750	750	1545	795
TL2D0800	800	1695	895
TL2D0850	850	1845	995
TL2D0900	900	1995	1095
TL2D0950	950	2145	1195
TL2D1000	1000	2295	1295
TL2D1050	1050	2445	1395
TL2D1100	1100	2595	1495
TL2D1150	1150	2745	1595
TL2D1200	1200	2895	1695

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL3A



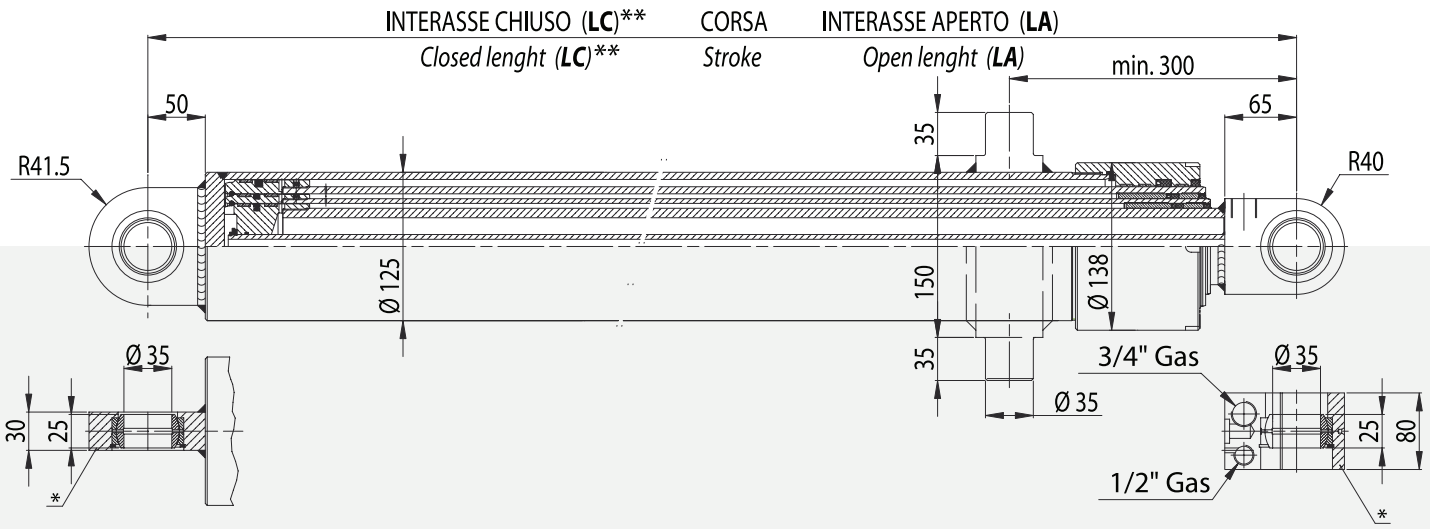
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 80	11.120	1.230
2° = 60	6.730	
3° = 40	3.430	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL3A0700	700	1850	1150
TL3A0750	750	2050	1300
TL3A0800	800	2250	1450
TL3A0850	850	2450	1600
TL3A0900	900	2650	1750
TL3A0950	950	2850	1900
TL3A1000	1000	3050	2050
TL3A1050	1050	3250	2200
TL3A1100	1100	3450	2350
TL3A1150	1150	3650	2500
TL3A1200	1200	3850	2650

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL3B



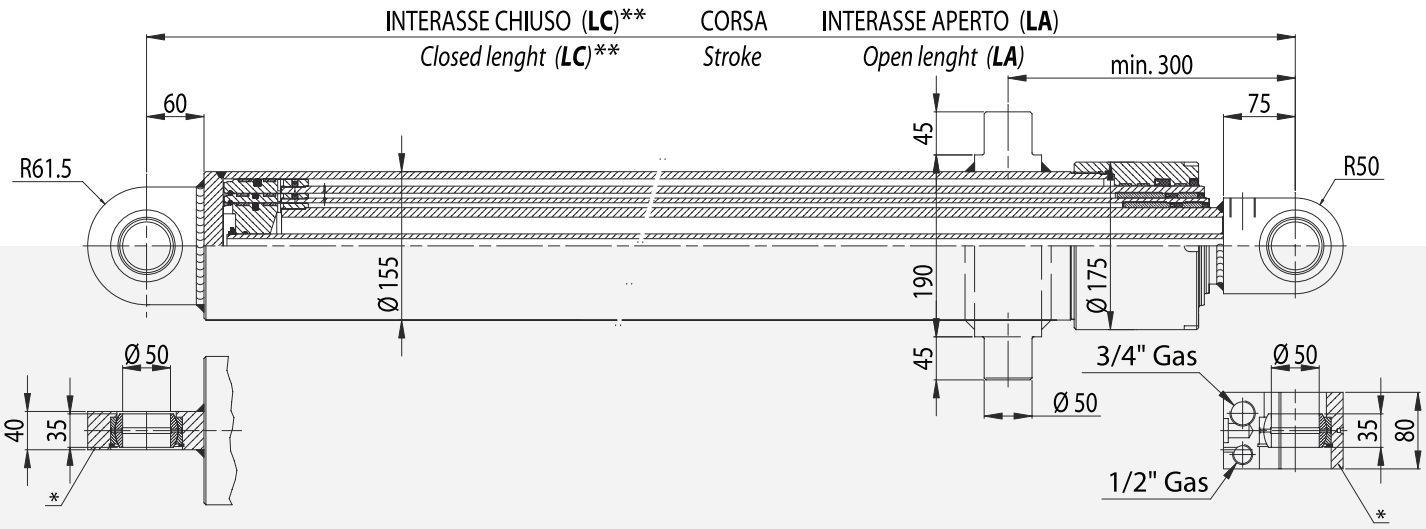
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 100	16.620	1.780
2° = 80	11.120	
3° = 60	6.730	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL3B0700	700	1840	1140
TL3B0750	750	2040	1290
TL3B0800	800	2240	1440
TL3B0850	850	2440	1590
TL3B0900	900	2640	1740
TL3B0950	950	2840	1890
TL3B1000	1000	3040	2040
TL3B1050	1050	3240	2190
TL3B1100	1100	3440	2340
TL3B1150	1150	3640	2490
TL3B1200	1200	3840	2640
TL3B1250	1250	4040	2790
TL3B1300	1300	4120	2820
TL3B1350	1350	4320	2970
TL3B1400	1400	4520	3120
TL3B1450	1450	4720	3270
TL3B1500	1500	4920	3420

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL3C



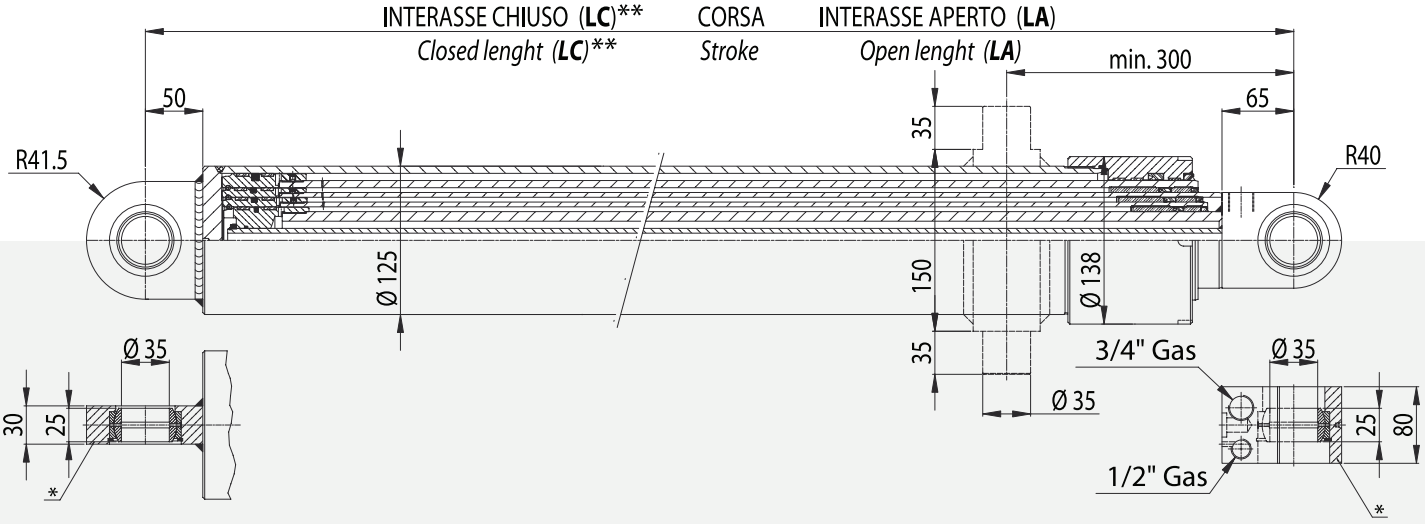
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 125	26.900	2.330
2° = 100	16.620	
3° = 80	11.120	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL3C1000	1000	2940	1940
TL3C1050	1050	3140	2090
TL3C1100	1100	3340	2240
TL3C1150	1150	3540	2390
TL3C1200	1200	3740	2540
TL3C1250	1250	3940	2690
TL3C1300	1300	4140	2840
TL3C1350	1350	4340	2990
TL3C1400	1400	4450	3050
TL3C1450	1450	4650	3200
TL3C1500	1500	4850	3350
TL3C1550	1550	5050	3500
TL3C1600	1600	5250	3650
TL3C1650	1650	5360	3710
TL3C1700	1700	5560	3860
TL3C1750	1750	5760	4010

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL4A



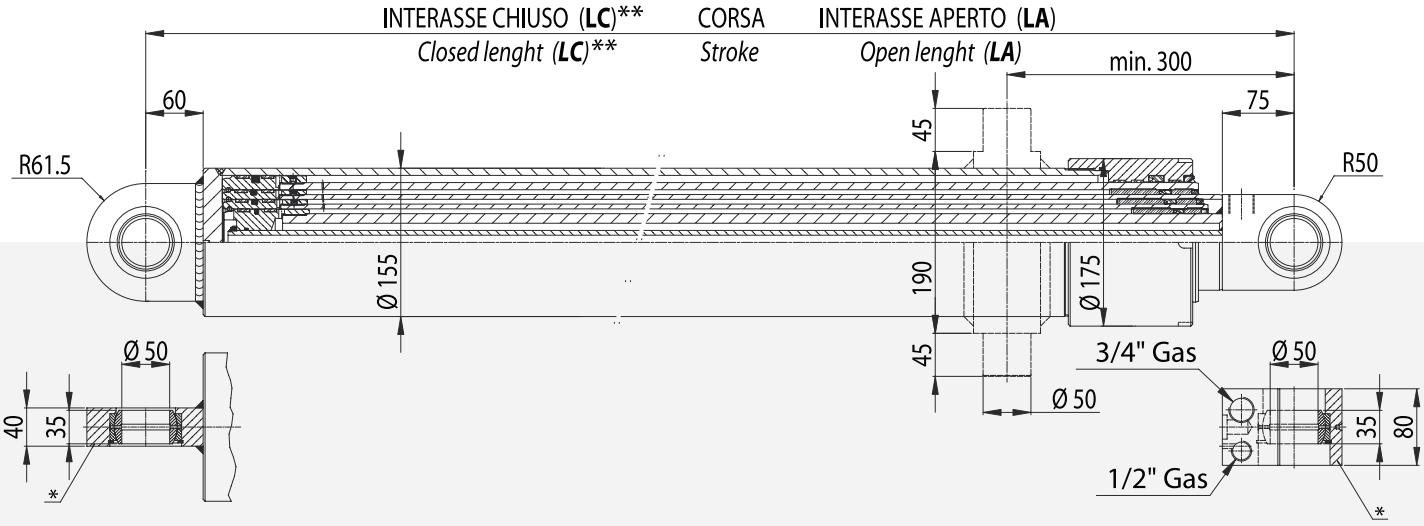
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 100	16.620	1.230
2° = 80	11.120	
3° = 60	6.730	
4° = 40	3.430	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL4A0700	700	2215	1515
TL4A0750	750	2465	1715
TL4A0800	800	2715	1915
TL4A0850	850	2965	2115
TL4A0900	900	3215	2315
TL4A0950	950	3465	2515
TL4A1000	1000	3715	2715
TL4A1050	1050	3965	2915
TL4A1100	1100	4215	3115
TL4A1150	1150	4465	3315
TL4A1200	1200	4715	3515

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL4B



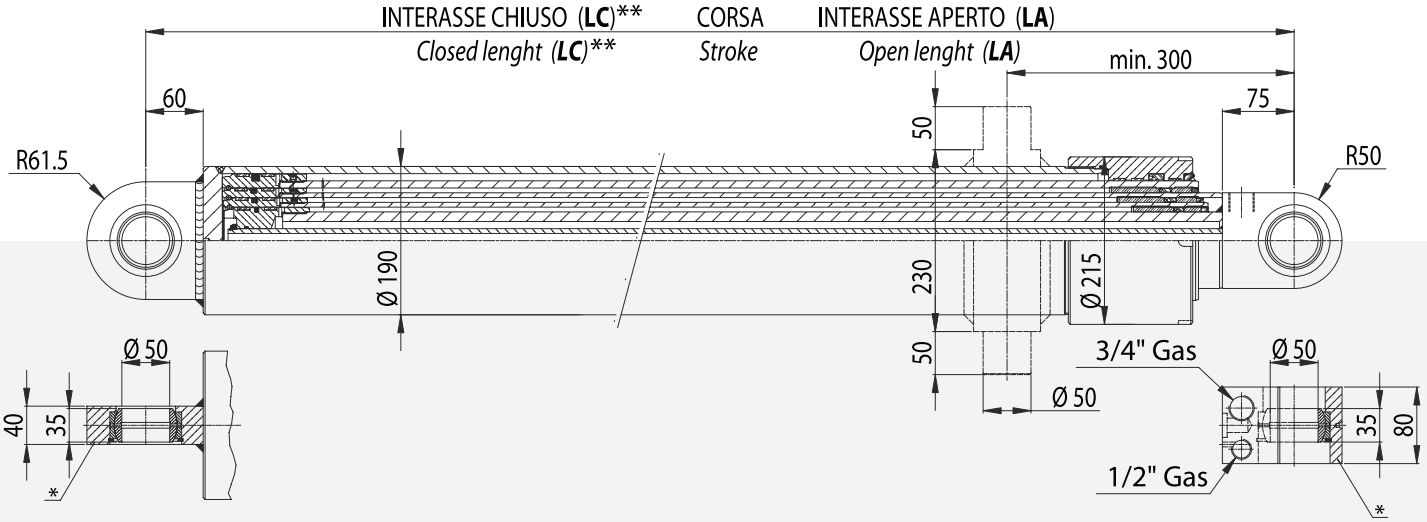
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 125	26.900	1.780
2° = 100	16.620	
3° = 80	11.120	
4° = 60	6.730	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL4B0900	900	3090	2190
TL4B0950	950	3340	2390
TL4B1000	1000	3590	2590
TL4B1050	1050	3840	2790
TL4B1100	1100	4090	2990
TL4B1150	1150	4340	3190
TL4B1200	1200	4590	3390
TL4B1250	1250	4840	3590
TL4B1300	1300	5090	3790
TL4B1350	1350	5340	3990
TL4B1400	1400	5590	4190
TL4B1450	1450	5840	4390
TL4B1500	1500	6090	4590

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL4C



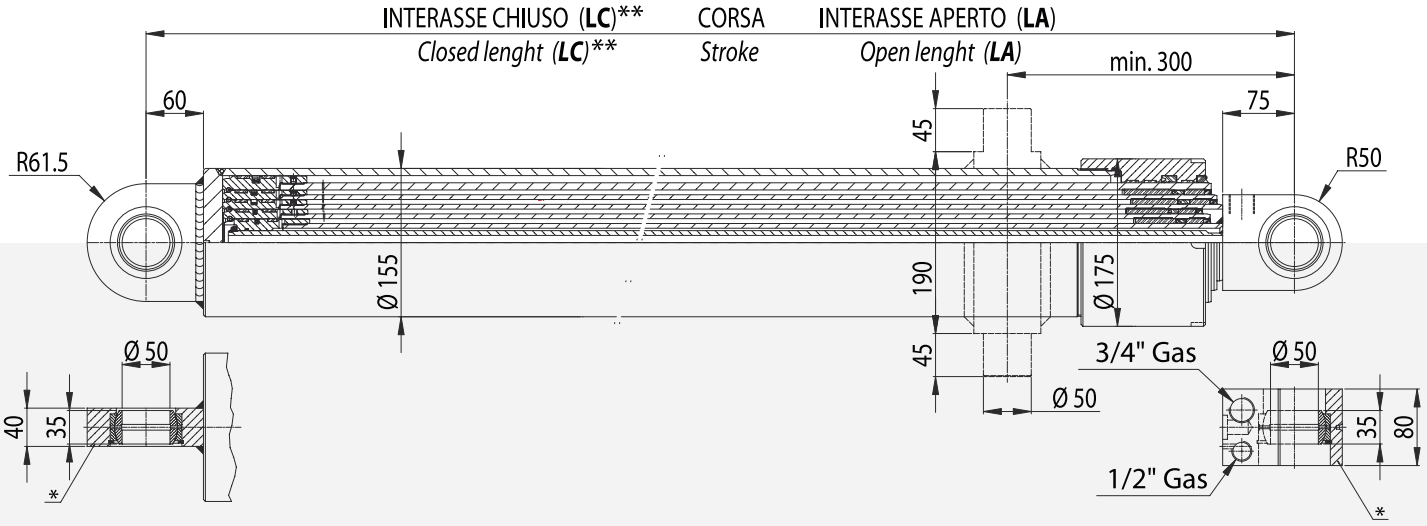
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 155	39.700	2.330
2° = 125	26.900	
3° = 100	16.620	
4° = 80	11.120	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL4C0900	900	3060	2160
TL4C0950	950	3310	2360
TL4C1000	1000	3560	2560
TL4C1050	1050	3810	2760
TL4C1100	1100	4060	2960
TL4C1150	1150	4310	3160
TL4C1200	1200	4560	3360
TL4C1250	1250	4810	3560
TL4C1300	1300	5060	3760
TL4C1350	1350	5310	3960
TL4C1400	1400	5560	4160
TL4C1450	1450	5810	4360
TL4C1500	1500	6060	4560

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL5A



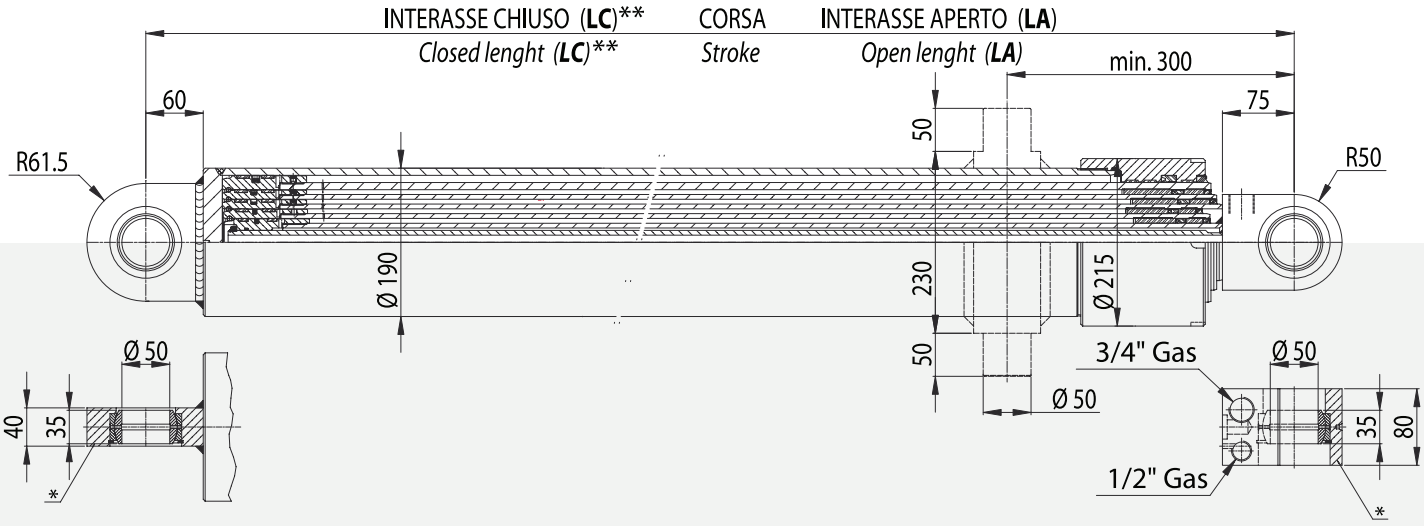
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 125	26.900	1.230
2° = 100	16.620	
3° = 80	11.120	
4° = 60	6.730	
5° = 40	3.430	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL5A0600	600	1880	1280
TL5A0650	650	2180	1530
TL5A0700	700	2480	1780
TL5A0750	750	2780	2030
TL5A0800	800	3080	2280
TL5A0850	850	3380	2530
TL5A0900	900	3680	2780
TL5A0950	950	3980	3030
TL5A1000	1000	4280	3280

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL5B



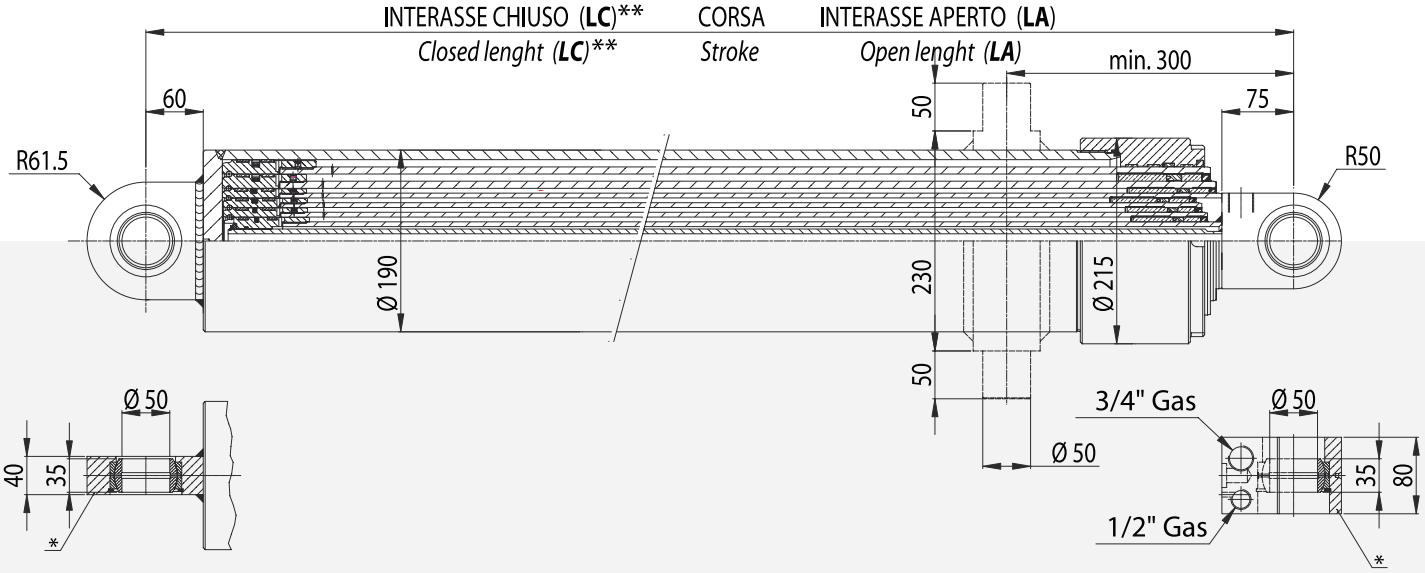
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 155	39.700	1.780
2° = 125	26.900	
3° = 100	16.620	
4° = 80	11.120	
5° = 60	6.730	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL5B0900	900	3650	2750
TL5B0950	950	3950	3000
TL5B1000	1000	4250	3250
TL5B1050	1050	4550	3500
TL5B1100	1100	4850	3750
TL5B1150	1150	5150	4000
TL5B1200	1200	5450	4250
TL5B1250	1250	5750	4500

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TL6



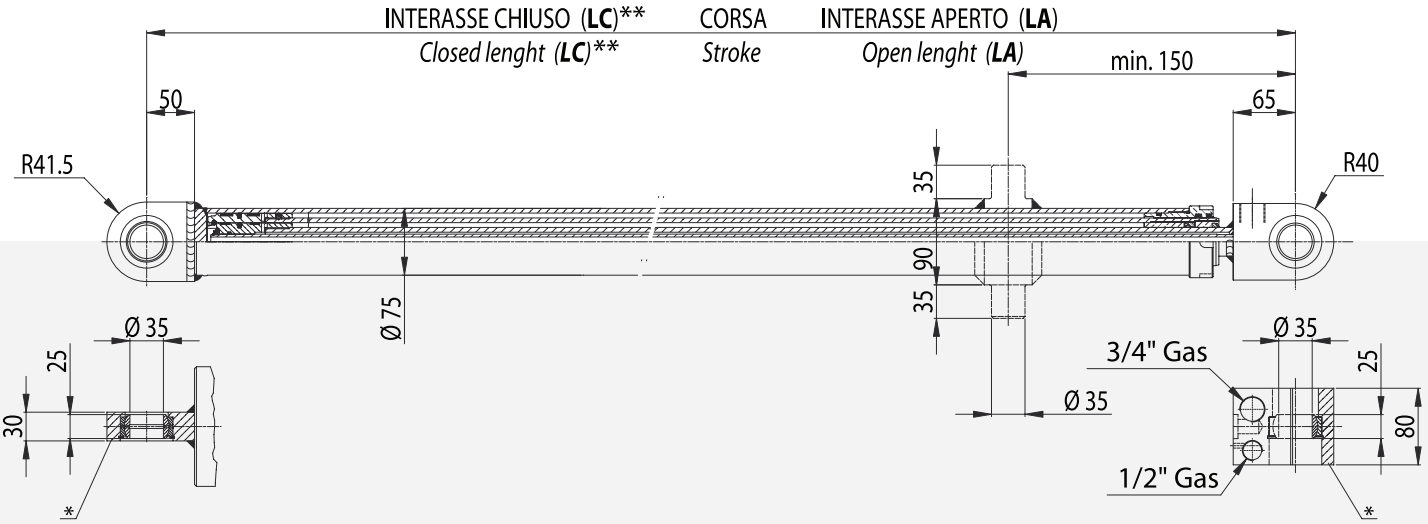
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 155	39.700	1.230
2° = 125	26.900	
3° = 100	16.620	
4° = 80	11.120	
5° = 60	6.730	
6° = 40	3.430	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TL60600	600	2100	1500
TL60650	650	2450	1800
TL60700	700	2800	2100
TL60750	750	3150	2400
TL60800	800	3500	2700
TL60850	850	3850	3000
TL60900	900	4200	3300
TL60950	950	4550	3600
TL61000	1000	4900	3900

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW2A



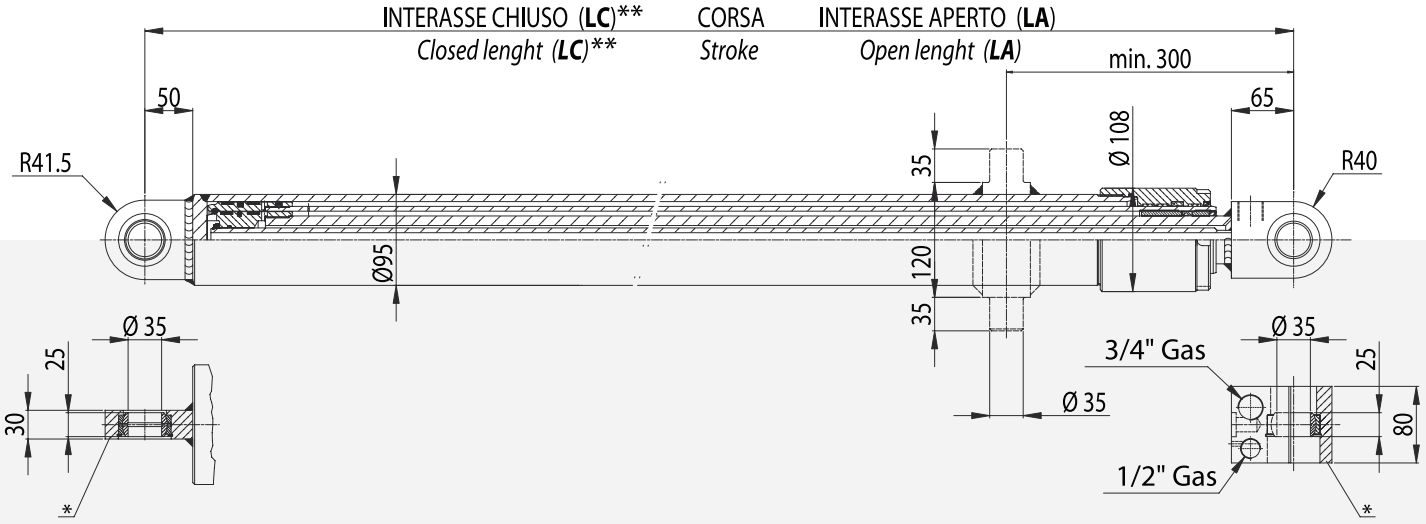
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 50	4.900	950
2° = 30	2.100	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW2A0700	700	1480	780
TW2A0750	750	1630	880
TW2A0800	800	1780	980
TW2A0850	850	1930	1080
TW2A0900	900	2080	1180
TW2A0950	950	2230	1280
TW2A1000	1000	2380	1380
TW2A1050	1050	2530	1480
TW2A1100	1100	2680	1580
TW2A1150	1150	2830	1680
TW2A1200	1200	2980	1780

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW2B



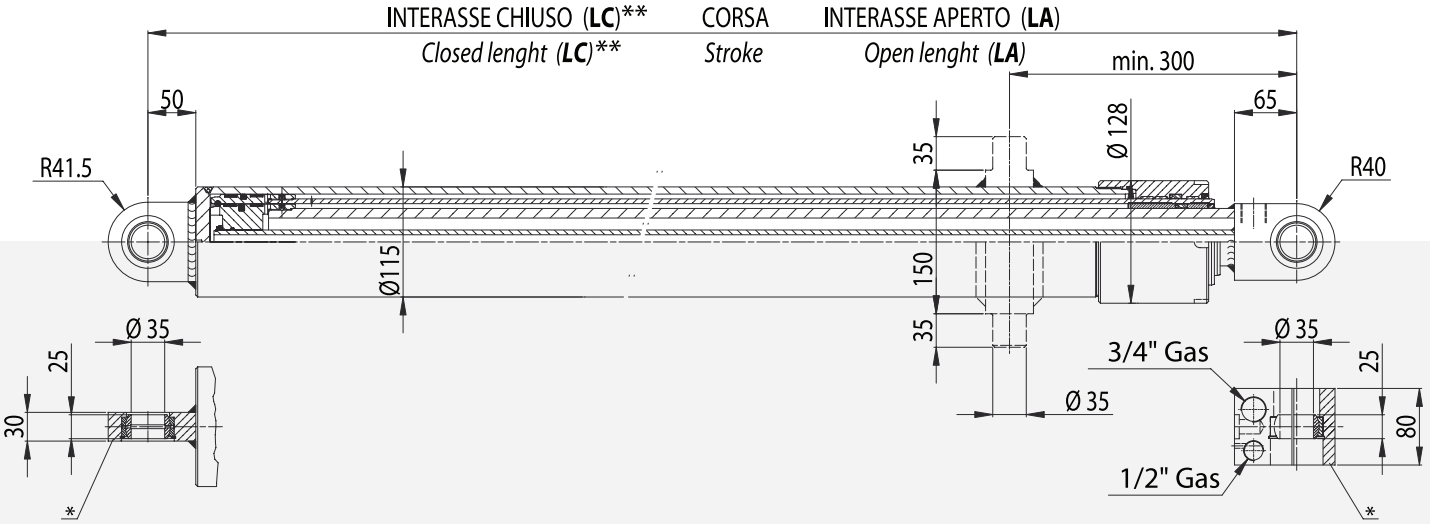
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 70	8.790	1.510
2° = 50	4.940	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW2B0700	700	1470	770
TW2B0750	750	1620	870
TW2B0800	800	1770	970
TW2B0850	850	1920	1070
TW2B0900	900	2070	1170
TW2B0950	950	2220	1270
TW2B1000	1000	2370	1370
TW2B1050	1050	2520	1470
TW2B1100	1100	2670	1570
TW2B1150	1150	2820	1670
TW2B1200	1200	2970	1770

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW2C



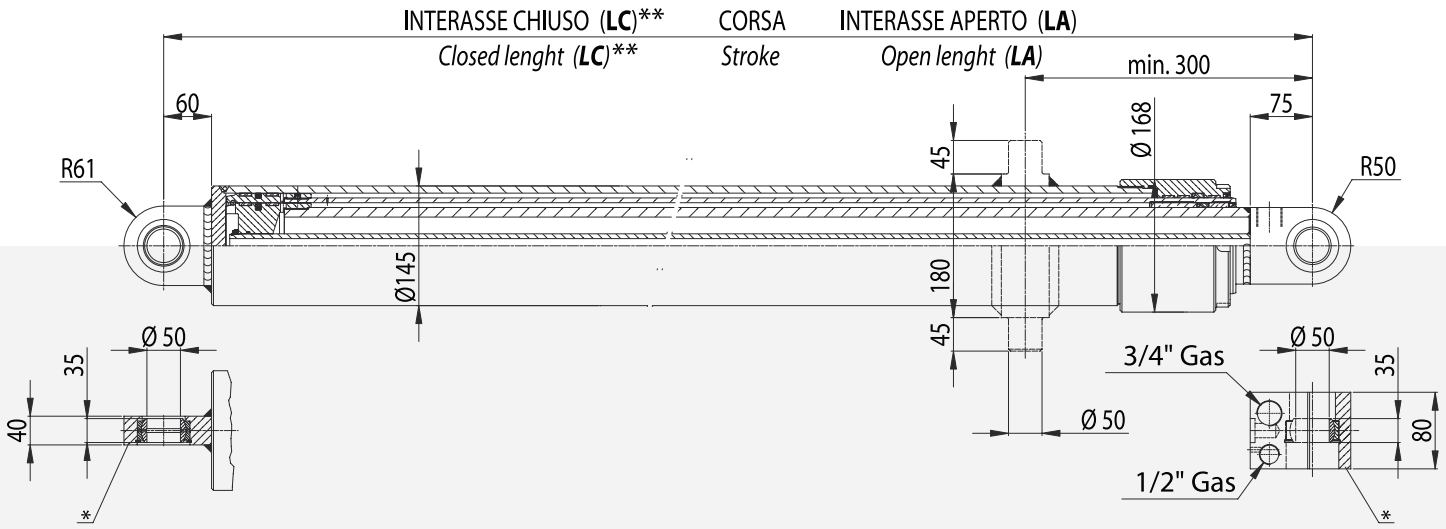
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 90	13.730	2.060
2° = 70	8.790	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW2C0700	700	1460	760
TW2C0750	750	1610	860
TW2C0800	800	1760	960
TW2C0850	850	1910	1060
TW2C0900	900	2060	1160
TW2C0950	950	2210	1260
TW2C1000	1000	2360	1360
TW2C1050	1050	2510	1460
TW2C1100	1100	2660	1560
TW2C1150	1150	2810	1660
TW2C1200	1200	2960	1760

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW2D



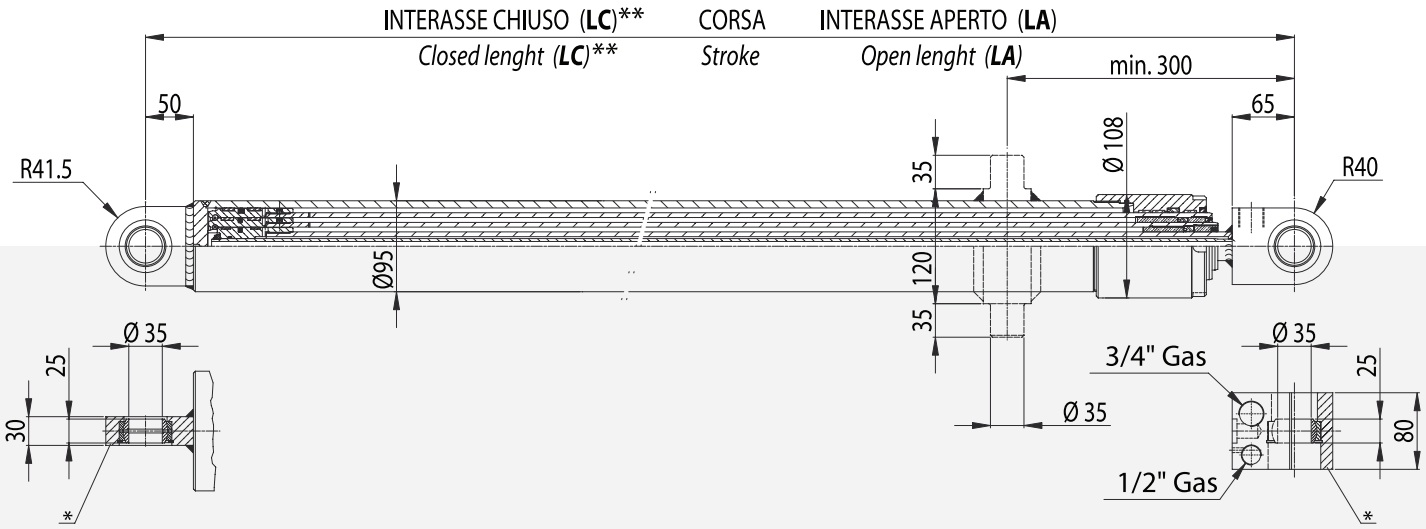
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 115	23.210	2.600
2° = 90	13.730	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW2D0700	700	1400	700
TW2D0750	750	1550	800
TW2D0800	800	1700	900
TW2D0850	850	1850	1000
TW2D0900	900	2000	1100
TW2D0950	950	2150	1200
TW2D1000	1000	2300	1300
TW2D1050	1050	2450	1400
TW2D1100	1100	2600	1500
TW2D1150	1150	2750	1600
TW2D1200	1200	2900	1700

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW3A



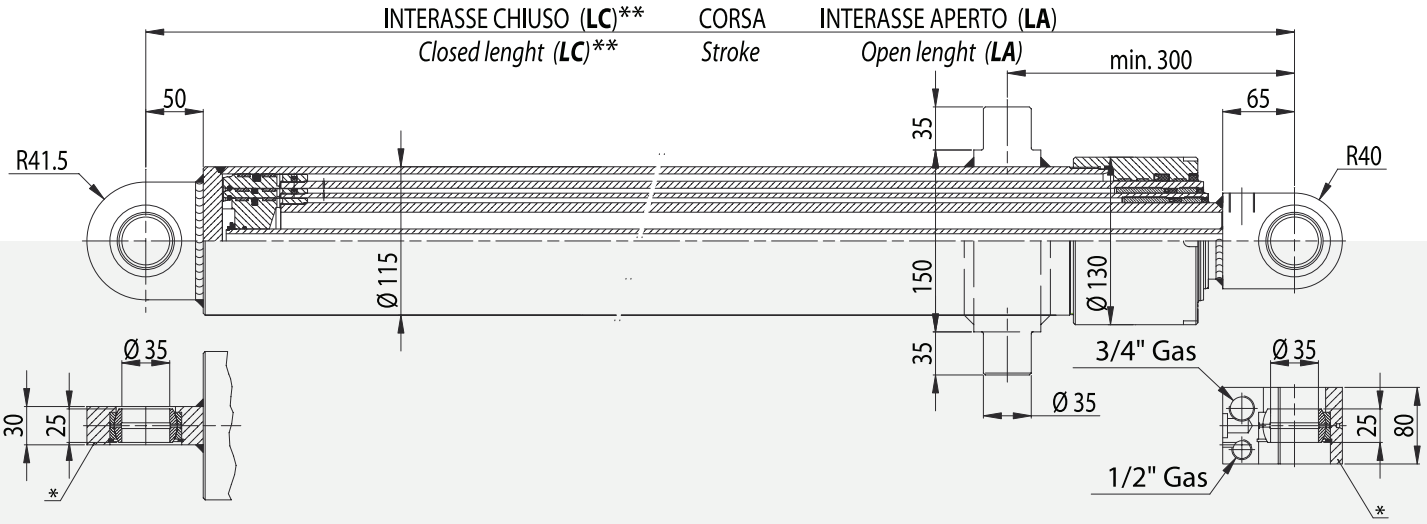
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 70	8.700	950
2° = 50	4.900	
3° = 30	2.100	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW3A0700	700	1850	1150
TW3A0750	750	2050	1300
TW3A0800	800	2250	1450
TW3A0850	850	2450	1600
TW3A0900	900	2650	1750
TW3A0950	950	2850	1900
TW3A1000	1000	3050	2050
TW3A1050	1050	3250	2200
TW3A1100	1100	3450	2350
TW3A1150	1150	3650	2500
TW3A1200	1200	3850	2650

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW3B



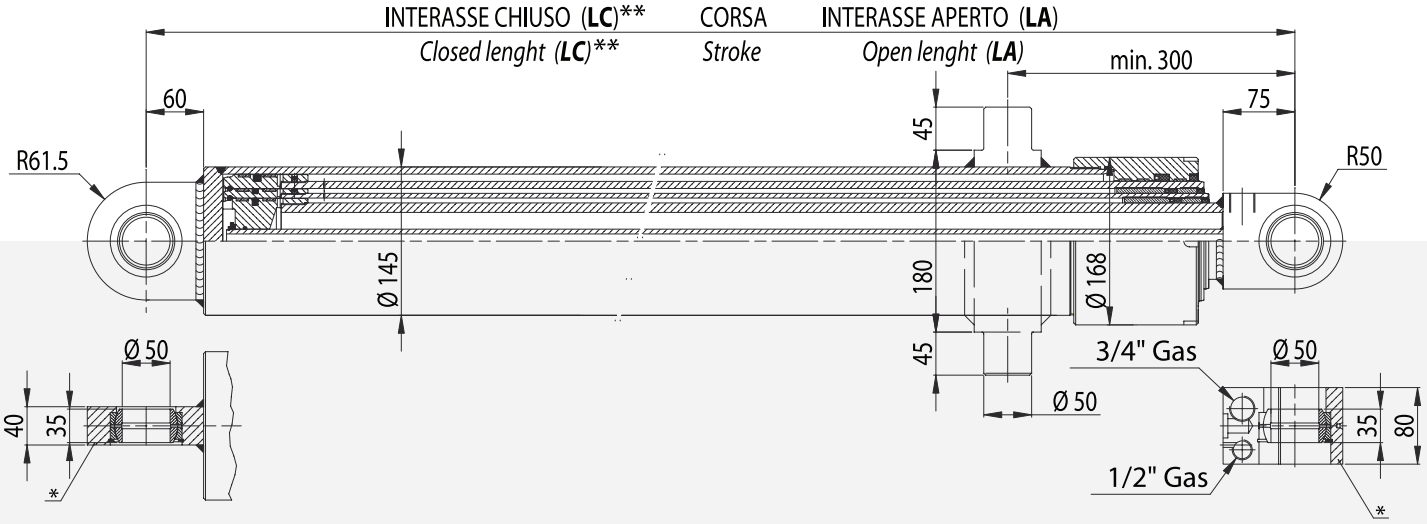
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 90	13.730	1.510
2° = 70	8.790	
3° = 50	4.940	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW3B0700	700	1840	1140
TW3B0750	750	2040	1290
TW3B0800	800	2240	1440
TW3B0850	850	2440	1590
TW3B0900	900	2640	1740
TW3B0950	950	2840	1890
TW3B1000	1000	3040	2040
TW3B1050	1050	3240	2190
TW3B1100	1100	3440	2340
TW3B1150	1150	3640	2490
TW3B1200	1200	3840	2640
TW3B1250	1250	4040	2790
TW3B1300	1300	4240	2940
TW3B1350	1350	4440	3090
TW3B1400	1400	4640	3240
TW3B1450	1450	4840	3390
TW3B1500	1500	5040	3540

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW3C



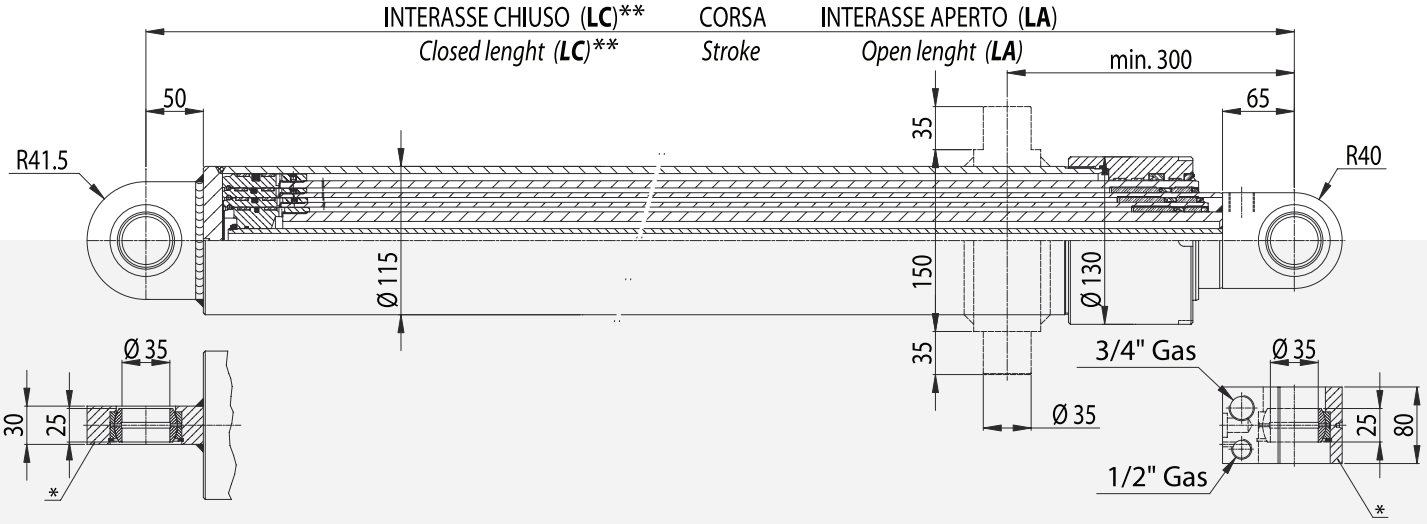
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 115	23.210	2.060
2° = 90	13.730	
3° = 70	8.790	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW3C1000	1000	2945	1945
TW3C1050	1050	3145	2095
TW3C1100	1100	3345	2245
TW3C1150	1150	3545	2395
TW3C1200	1200	3745	2545
TW3C1250	1250	3945	2695
TW3C1300	1300	4145	2845
TW3C1350	1350	4345	2995
TW3C1400	1400	4425	3025
TW3C1450	1450	4625	3175
TW3C1500	1500	4825	3325
TW3C1550	1550	5025	3475
TW3C1600	1600	5225	3625
TW3C1650	1650	5335	3685
TW3C1700	1700	5535	3835
TW3C1750	1750	5735	3985
TW3C1800	1800	5935	4135

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/Type TW4A



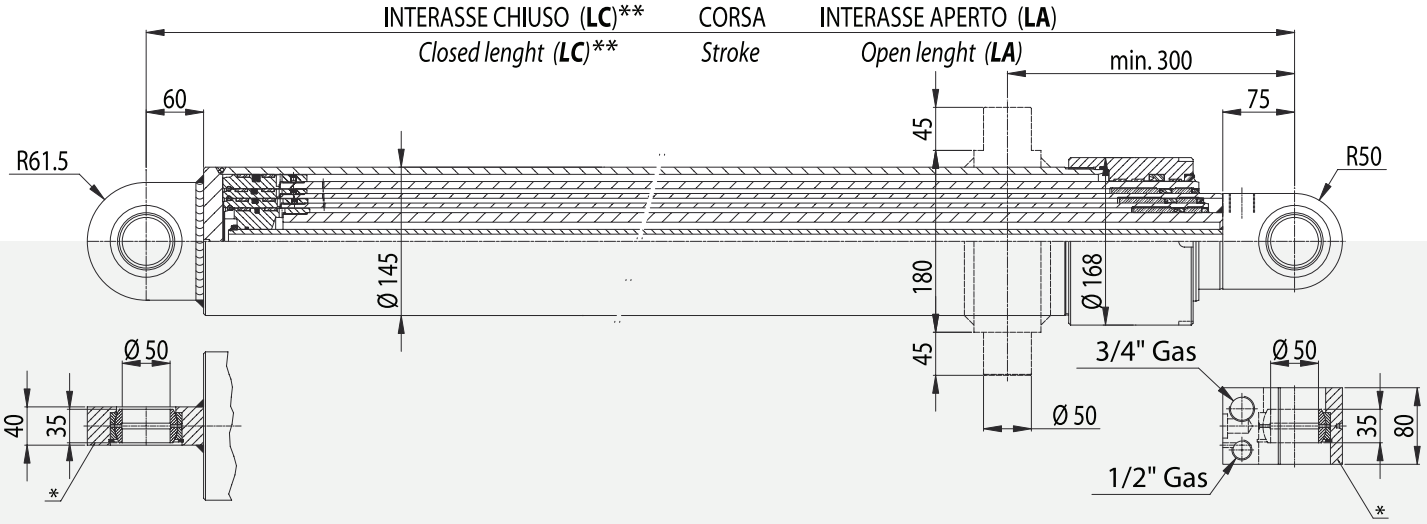
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 90	13.700	950
2° = 70	8.700	
3° = 50	4.900	
4° = 30	2.100	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/Type	LC	LA	Corsa/Stroke
TW4A0700	700	2215	1515
TW4A0750	750	2465	1715
TW4A0800	800	2715	1915
TW4A0850	850	2965	2115
TW4A0900	900	3215	2315
TW4A0950	950	3465	2515
TW4A1000	1000	3715	2715
TW4A1050	1050	3965	2915
TW4A1100	1100	4215	3115
TW4A1150	1150	4465	3315
TW4A1200	1200	4715	3515

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW4B



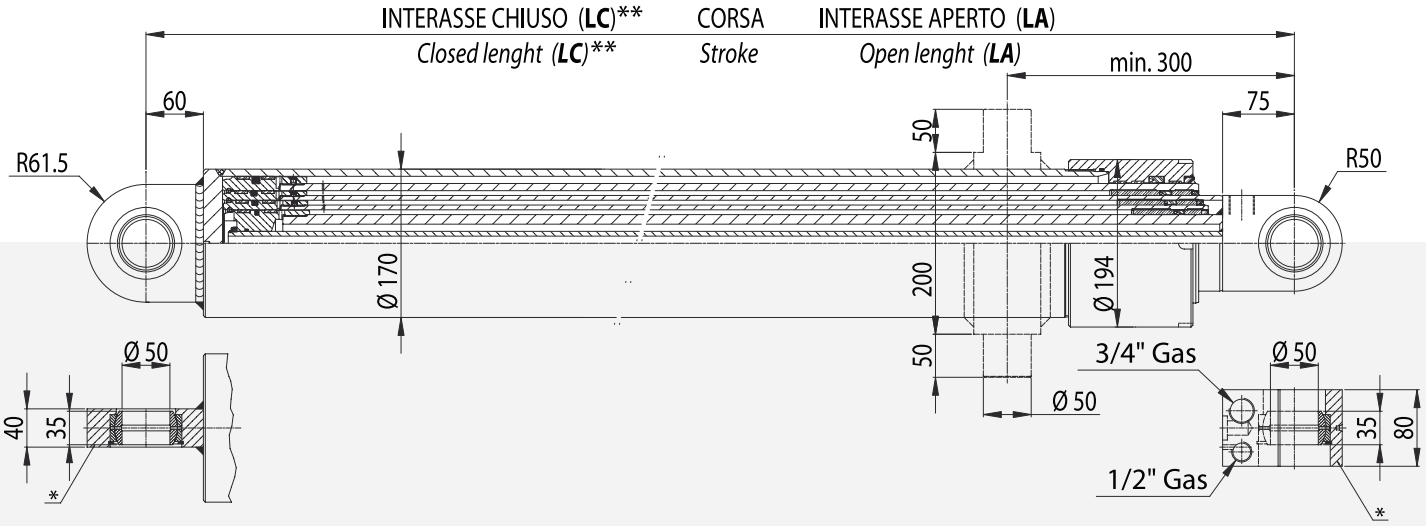
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 115	23.210	1.510
2° = 90	13.730	
3° = 70	8.790	
4° = 50	4.940	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW4B0850	850	2840	1990
TW4B0900	900	3090	2190
TW4B0950	950	3340	2390
TW4B1000	1000	3590	2590
TW4B1050	1050	3840	2790
TW4B1100	1100	4090	2990
TW4B1150	1150	4340	3190
TW4B1200	1200	4590	3390
TW4B1250	1250	4840	3590
TW4B1300	1300	4990	3690
TW4B1350	1350	5240	3890
TW4B1400	1400	5430	4030
TW4B1450	1450	5680	4230
TW4B1500	1500	5930	4430

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW4C



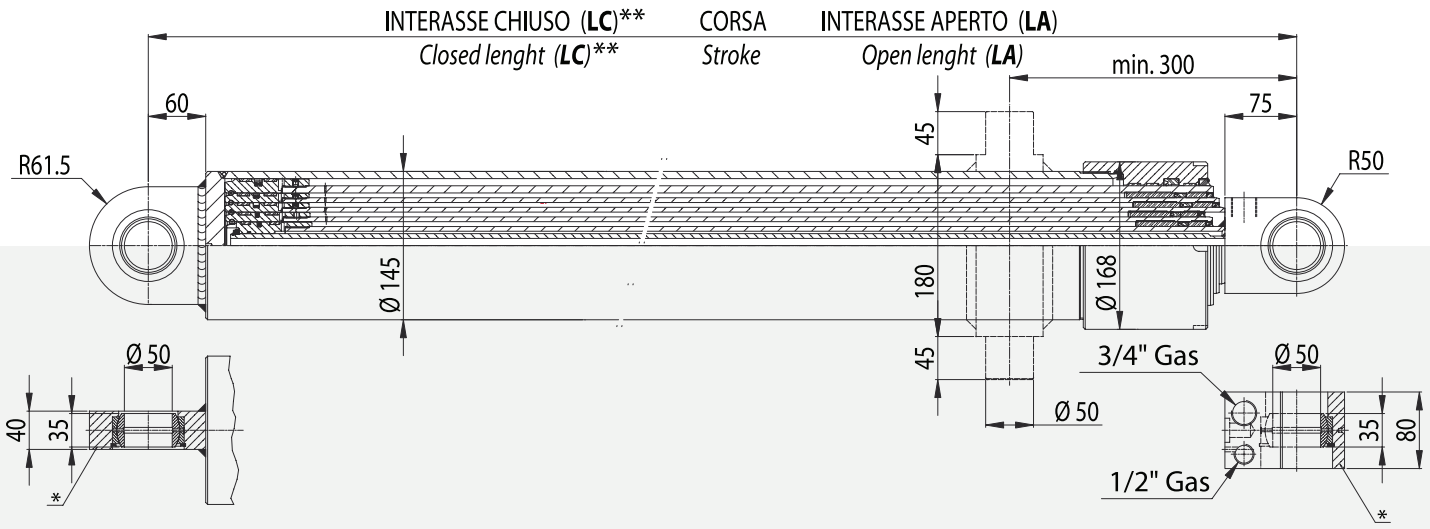
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 140	30.900	2.060
2° = 115	21.400	
3° = 90	13.730	
4° = 70	8.790	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW4C0900	900	3080	2180
TW4C0950	950	3330	2380
TW4C1000	1000	3580	2580
TW4C1050	1050	3830	2780
TW4C1100	1100	4080	2980
TW4C1150	1150	4330	3180
TW4C1200	1200	4580	3380
TW4C1250	1250	4830	3580
TW4C1300	1300	5080	3780
TW4C1350	1350	5330	3980
TW4C1400	1400	5580	4180
TW4C1450	1450	5830	4380
TW4C1500	1500	6080	4580

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW5A



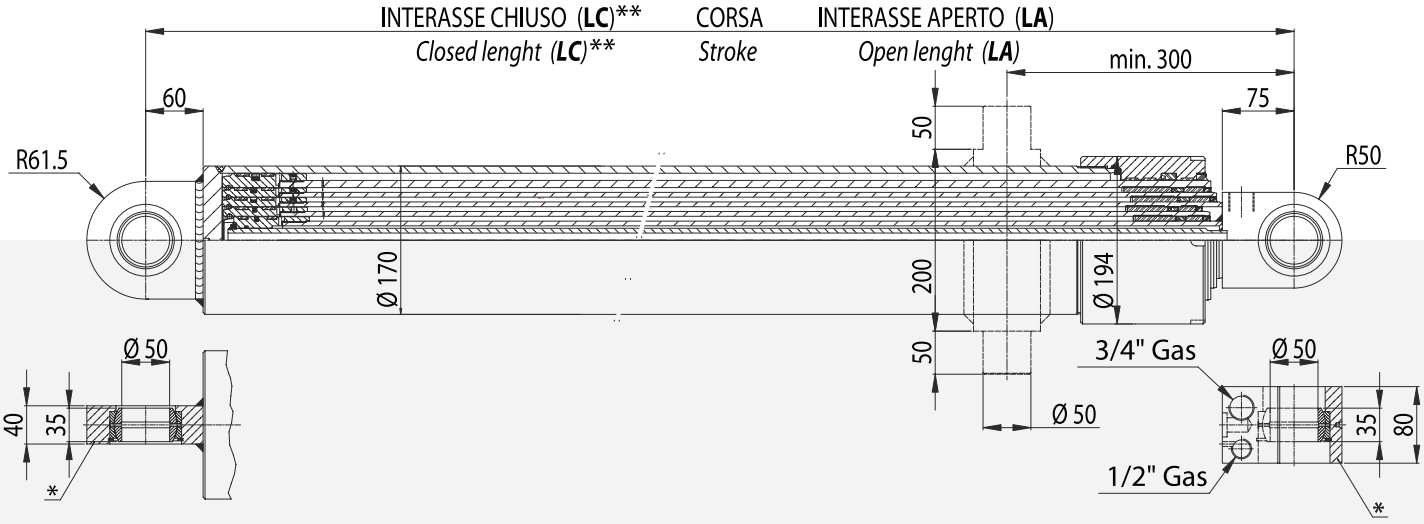
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 115	23.210	950
2° = 90	13.700	
3° = 70	8.700	
4° = 50	4.900	
5° = 30	2.100	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW5A0600	600	1880	1280
TW5A0650	650	2180	1530
TW5A0700	700	2480	1780
TW5A0750	750	2780	2030
TW5A0800	800	3080	2280
TW5A0850	850	3380	2530
TW5A0900	900	3680	2780
TW5A0950	950	3980	3030
TW5A1000	1000	4280	3280

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW5B



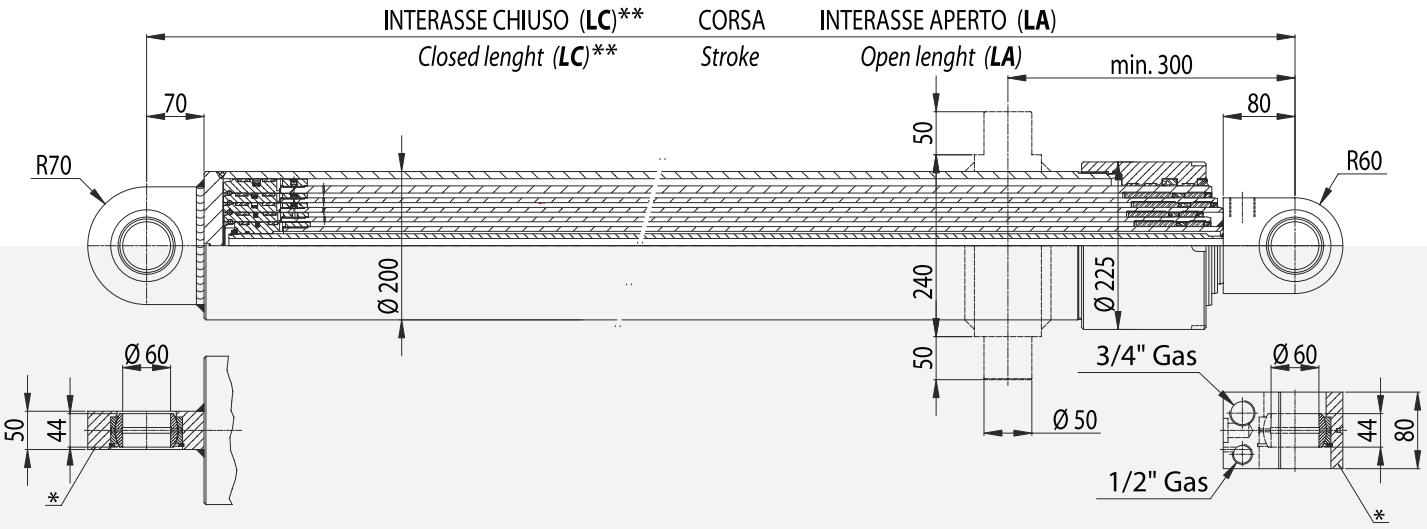
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 140	30.900	1.510
2° = 115	21.400	
3° = 90	13.730	
4° = 70	8.790	
5° = 50	4.940	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW5B0900	900	3660	2760
TW5B0950	950	3960	3010
TW5B1000	1000	4260	3260
TW5B1050	1050	4560	3510
TW5B1100	1100	4860	3760
TW5B1150	1150	5160	4010
TW5B1200	1200	5460	4260
TW5B1250	1250	5760	4510

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW5C



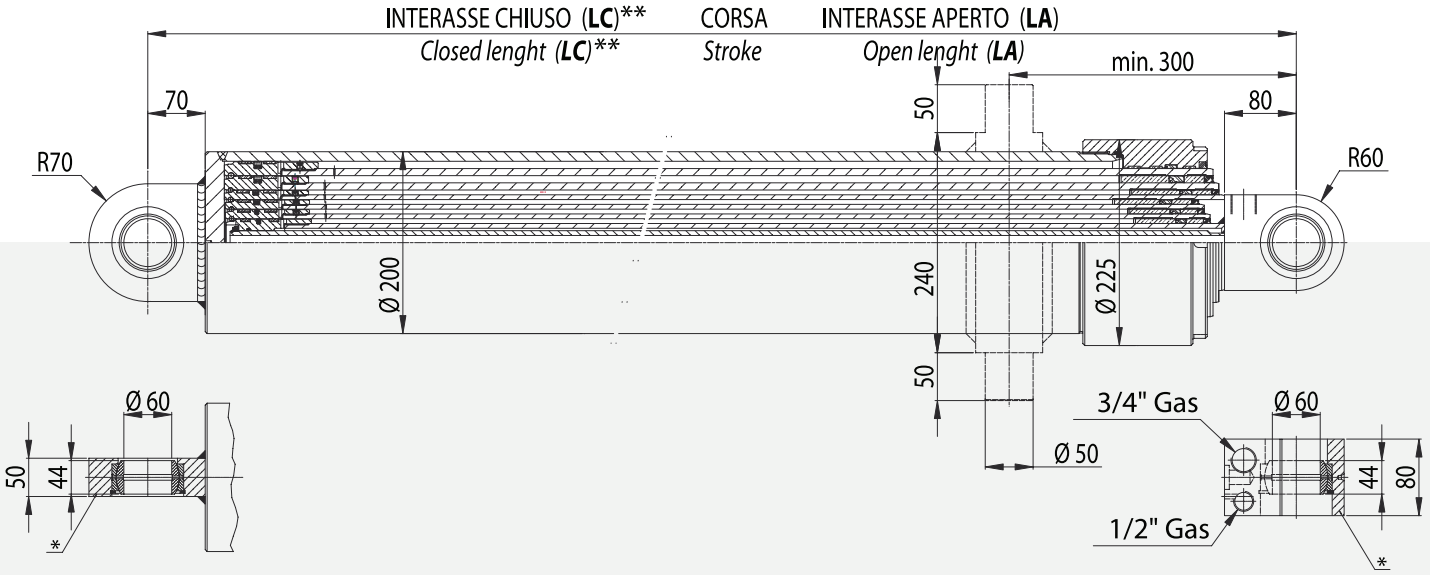
Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 165	44.500	2.060
2° = 140	30.900	
3° = 115	21.400	
4° = 90	13.730	
5° = 70	8.790	

Valori teorici a 175 bar
Theoretical values at 175 bars

Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW5C0900	900	3540	2640
TW5C0950	950	3840	2890
TW5C1000	1000	4140	3140
TW5C1050	1050	4440	3390
TW5C1100	1100	4740	3640
TW5C1150	1150	5040	3890
TW5C1200	1200	5340	4140
TW5C1250	1250	5640	4390

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Tipo/*Type* TW6



Diametro sfilo *Ext. Diameter*	Kg. spinta *Thrust Kg*	Kg. trazione *Traction Kg*
1° = 165	44.500	1.510
2° = 140	30.900	
3° = 115	21.400	
4° = 90	13.730	
5° = 70	8.790	
6° = 50	4.940	

Valori teorici a 175 bar
Theoretical values at 175 bars

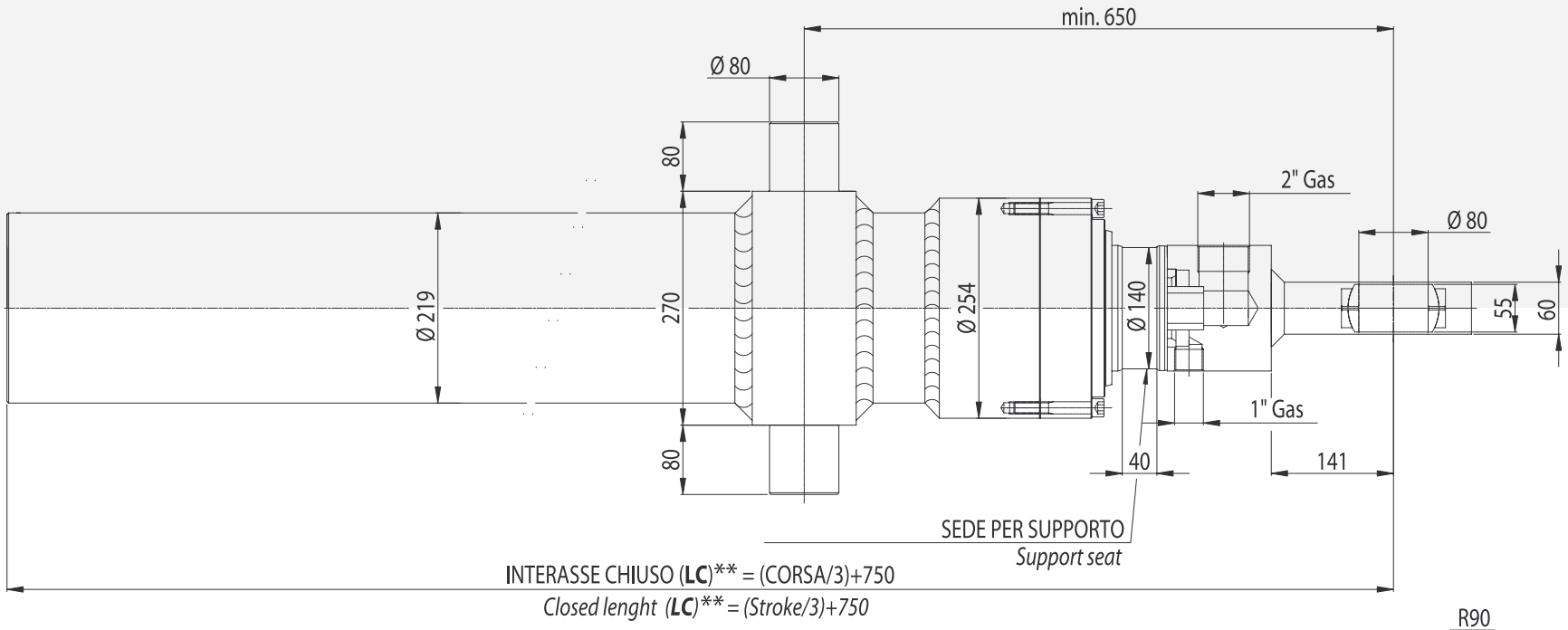
Tipo/*Type*	LC	LA	Corsa/*Stroke*
TW60600	600	1870	1270
TW60650	650	2220	1570
TW60700	700	2570	1870
TW60750	750	2920	2170
TW60800	800	3270	2470
TW60850	850	3620	2770
TW60900	900	3970	3070
TW60950	950	4320	3370
TW61000	1000	4670	3670

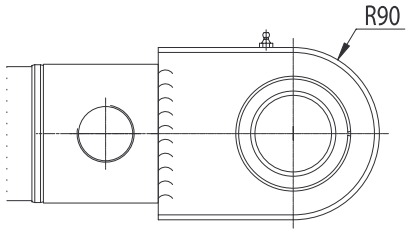
* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems

CILINDRI OLEODINAMICI PER SEMIRIMORCHI

HYDRAULIC CYLINDERS FOR SEMI-TRAILERS



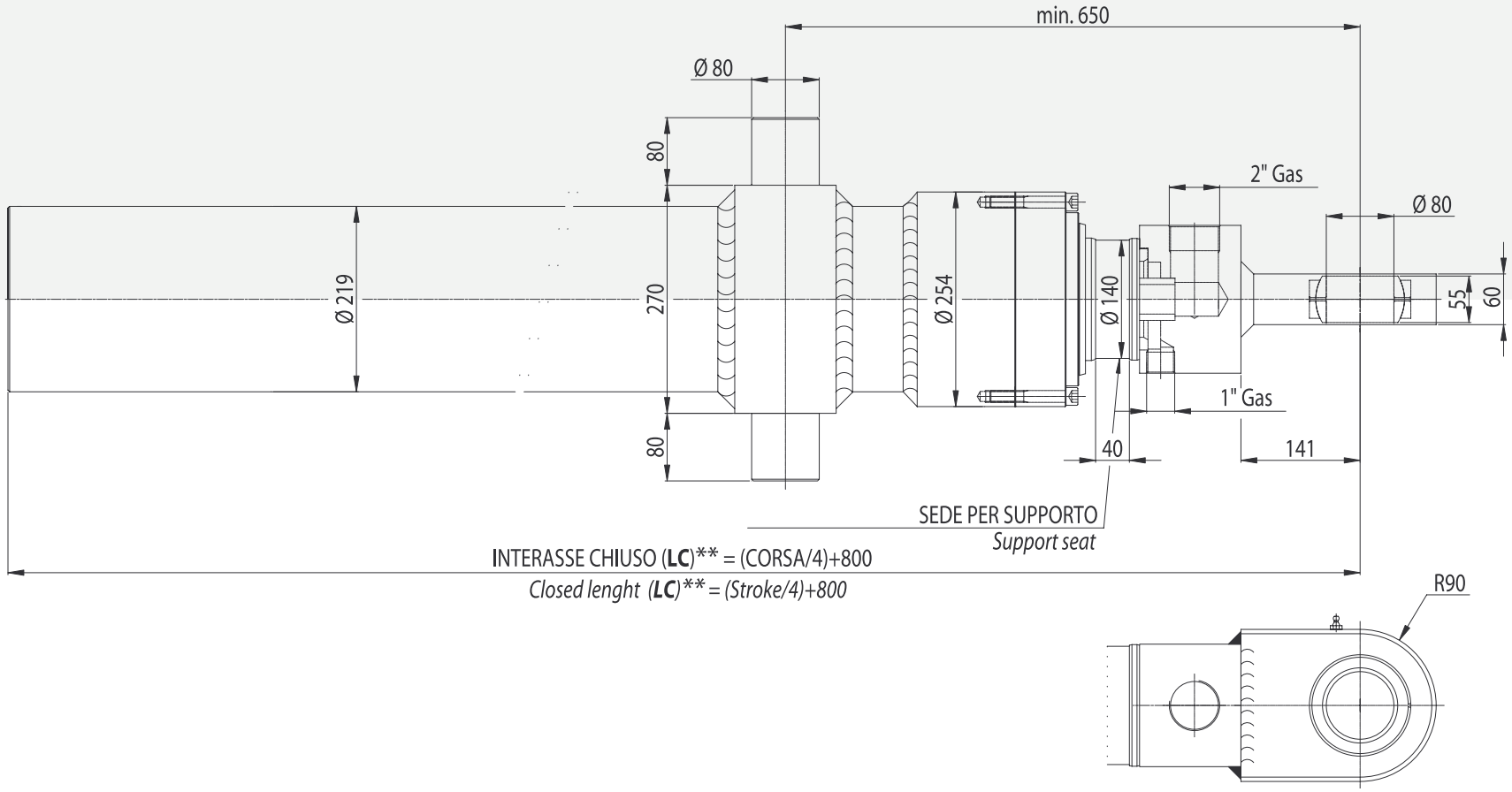


Diametro sfilo/*Ext. Diameter*	Kg. spinta/*Thrust Kg*	Kg. trazione/*Traction Kg*
1° = 180	56.000	3.900
2° = 145	40.000	
3° = 120	28.000	

Pressione di utilizzo 200 bar/*Operating pressure 200 bar*

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems

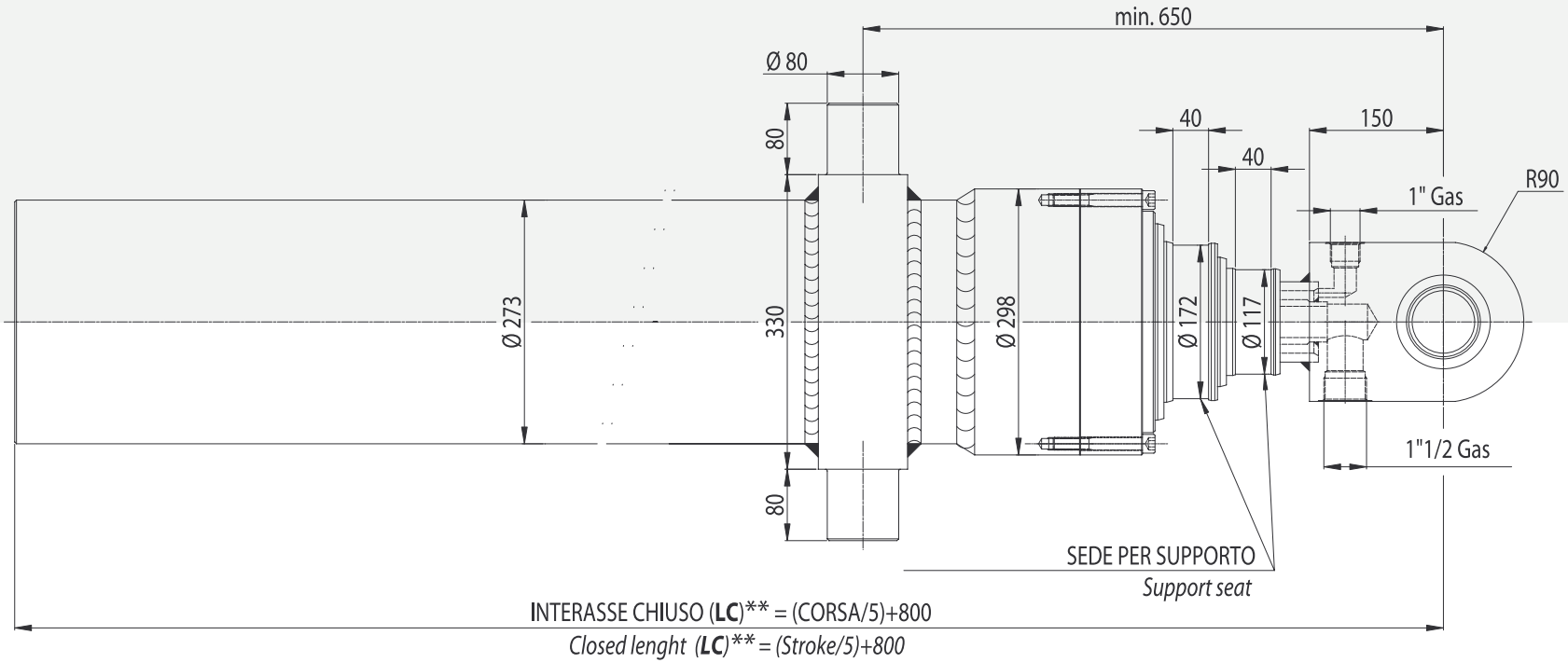


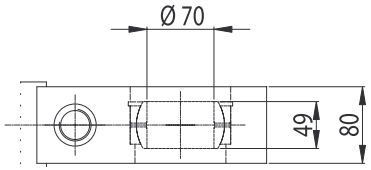
Diametro sfilo/*Ext. Diameter*	Kg. spinta/*Thrust Kg*	Kg. trazione/*Traction Kg*
1° = 180	56.000	3.900
2° = 145	40.000	
3° = 120	28.000	
4° = 90	17.000	

Pressione di utilizzo 200 bar/*Operating pressure 200 bar*

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems



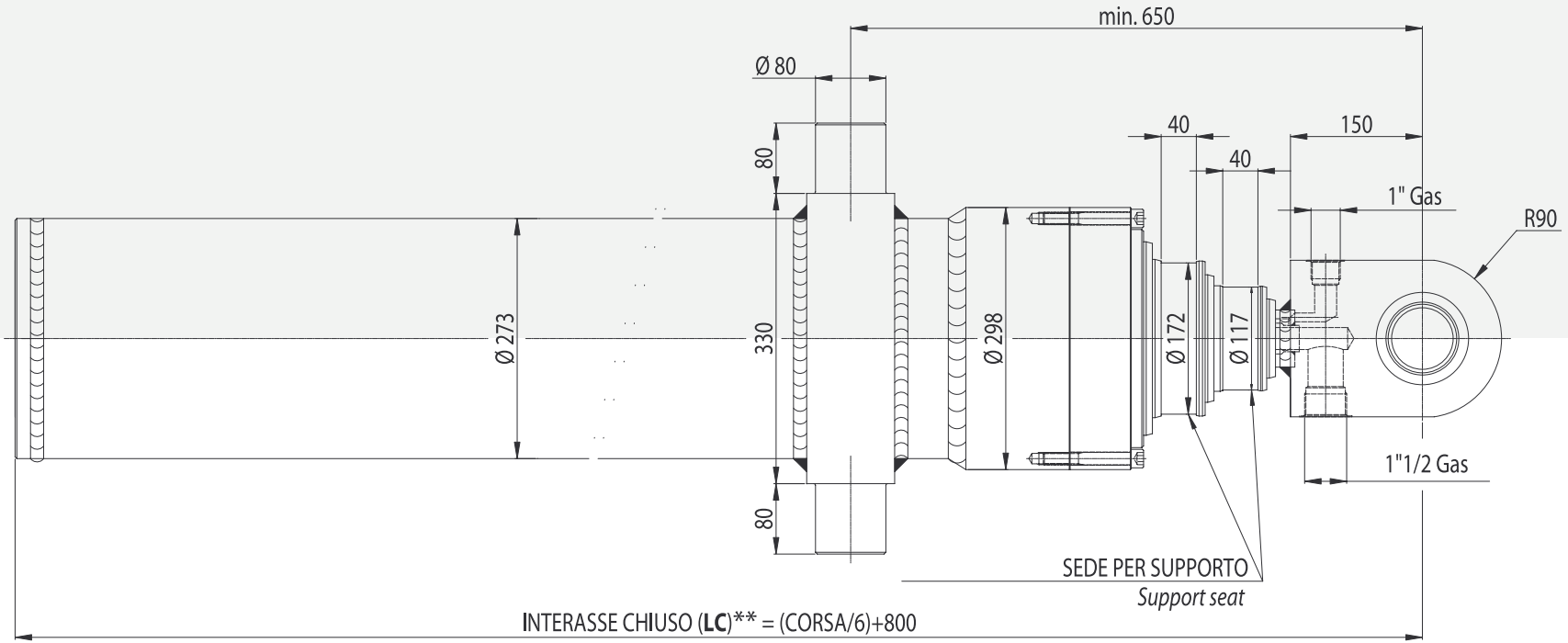


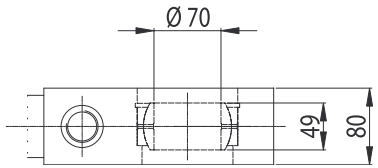
Diametro sfilo/*Ext. Diameter*	Kg. spinta/*Thrust Kg*	Kg. trazione/*Traction Kg*
1° = 220	98.000	3.900
2° = 180	56.000	
3° = 145	40.000	
4° = 120	28.000	
5° = 90	17.000	

Pressione di utilizzo 200 bar/*Operating pressure 200 bar*

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems



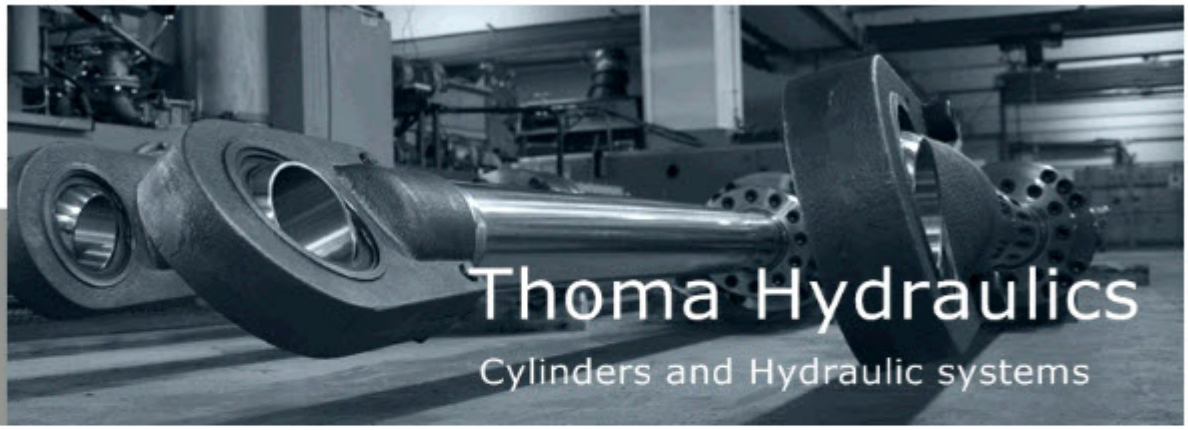


Diametro sfilo/*Ext. Diameter*	Kg. spinta/*Thrust Kg*	Kg. trazione/*Traction Kg*
1° = 220	98.000	2.000
2° = 180	56.000	
3° = 145	40.000	
4° = 120	28.000	
5° = 90	17.000	
6° = 65	10.000	

Pressione di utilizzo 200 bar/*Operating pressure 200 bar*

* A richiesta fissaggi personalizzati/*Customized connection on request*
** Dimensioni intermedie a richiesta/*Intermediate dimensions available on request*

Thoma Hydraulics B.V.
Cylinders and Hydraulic Systems



Thoma Hydraulics B.V.

De Factorij 8a, 1689 AL Zwaag

Telefoon : +31(0)229 272759

K.v.K. nr. : 56010087