

**PNEUMO-HYDRAULICS UNITS**

**CYLINDERS WITH HYDRAULIC CONTROL  
SERIES UDR**



The UDS assemblies are devices consisting of three elements :

1. The US series unit by simple or double adjustment.
2. A pneumatic valve by 5/2 bistable mechanical control, fixed on the unit.
3. An adjustable mechanical device by double cams for the commutation (change of direction).

Manufactured for users requiring continuous automatic alternative movements.

**AVAILABLE REGULATIONS**

As for US units, both in thrusting and in polling, available functions of adjusted strokes, of SKIP and STOP valve.



**EXPANSION TANK**

Units include the integrated expansion tank.

**RANGE**

**BORES and STROKES**

BORE mm	STROKES mm					
	100	150	200	250	300	400
63	●	●	●	●	●	●
80	●	●	●	●	●	●
100	●	●	●	●	●	●
125	●	●	●	●	●	●
160	●	●	●	●	●	●
200	●	●	●	●	●	●

## CONSTRUCTIVE OPTIONS

VERSION STANDARD OR MAGNETIC

### Available versions :

Regulated in thrust - free return (model RS)

Regulated in pull - free in thrust (model RT)

## TECHNICAL DATA

**Pressure max:** 7 bar

**Fluid:** filtered air with or without lubrication

**Temperature range:** -20°C; +70°C

## CONSTRUCTIVE FEATURES

.Unit US standard

.Connection interface in anodized aluminium and cadmium plated steel

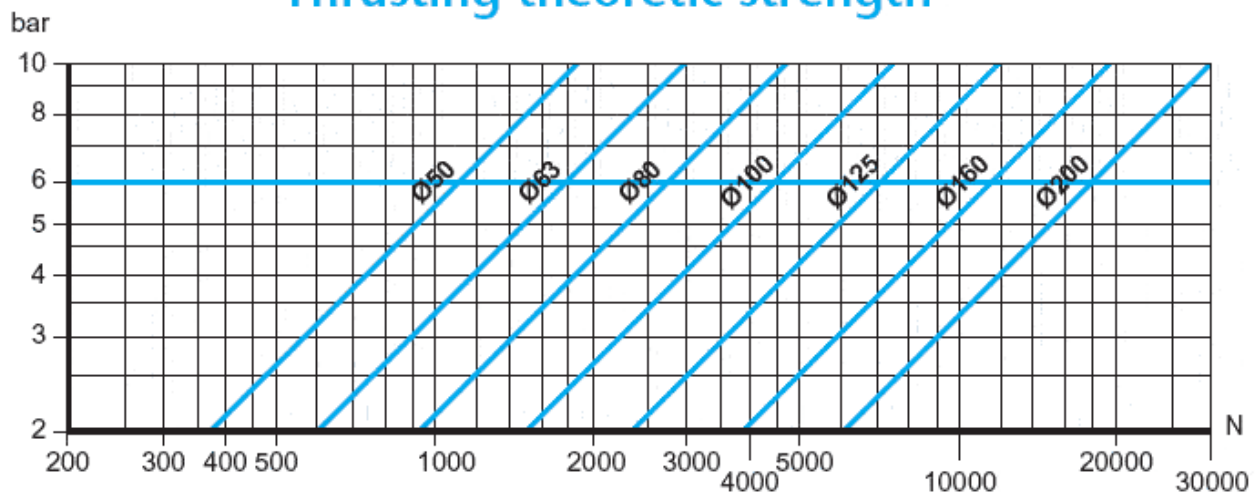
.Pneumatic valve 5/2 bistable mechanical, size 1/4".

.Double cams witching device composed by clamp for piston rod connection, translation rod and cams in zinc plated steel.

## THRUST FORCES

### FORZA TEORICA IN SPINTA

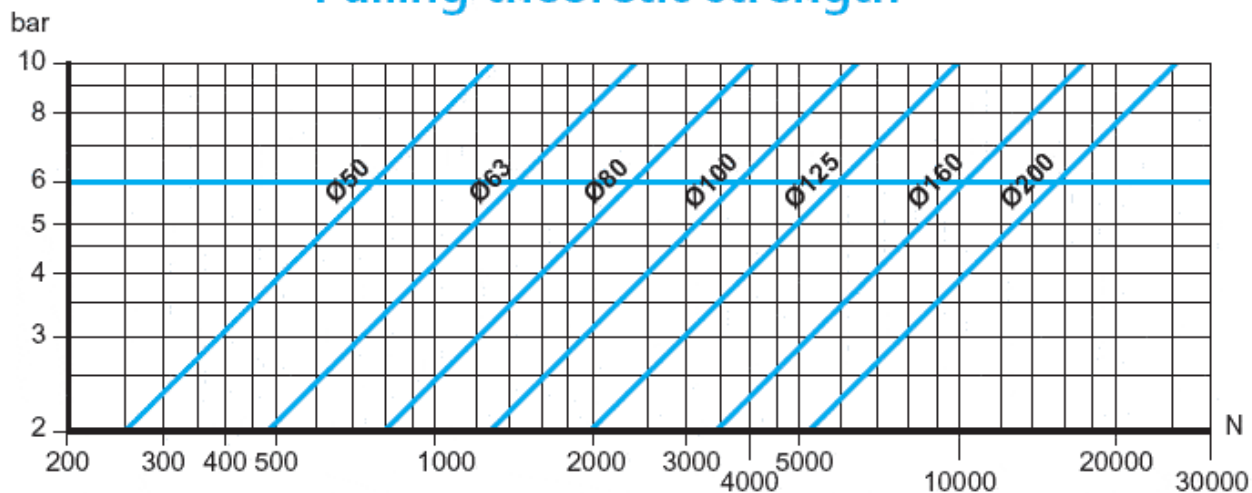
## Thrusting theoretic strength



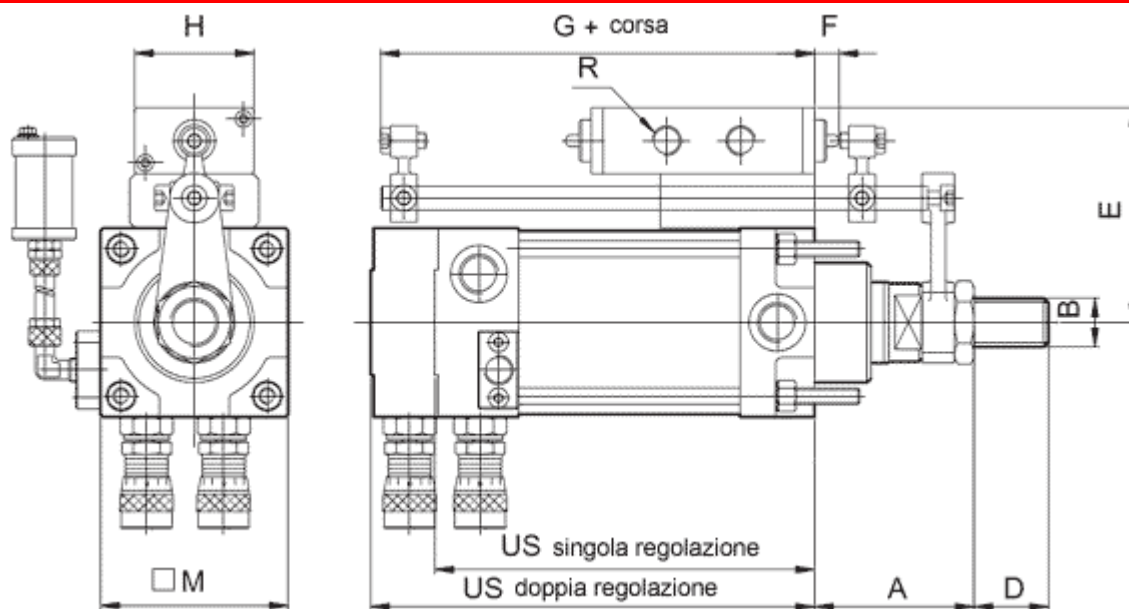
### FORZA TEORICA IN TRAZIONE



## Pulling theoretic strength



### DIMENSIONS



Ø mm	A	B	D	E	F	G	H	M	R
63	64	M16x1,5	32	90	15	160	40	60	G1/8"
80	64	M16x1,5	32	100	15	160	40	80	G1/8"
100	77	M20x1,5	40	105	15	160	40	90	G1/8"
125	72	M20x1,5	40	115	15	160	40	110	G1/8"
160	87	M27x2	54	130	21	200	52	140	G3/8"
200	96	M36x2	72	145	21	200	52	170	G3/8"

