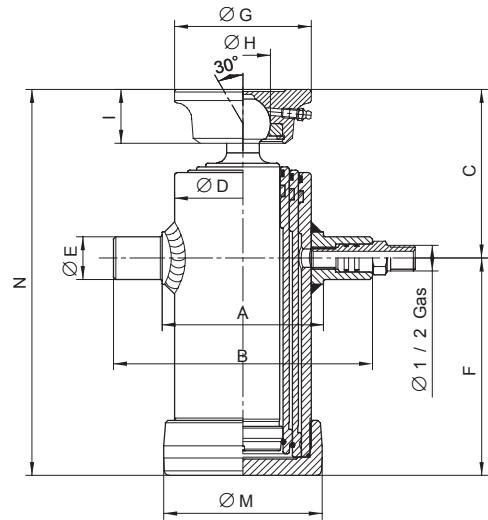


TELESCOPIC JACKS LIGHT SERIES

MASL

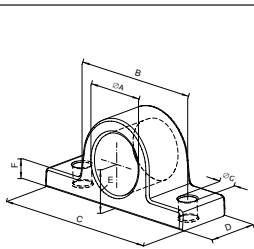
MASL jacks with anchoring pins on cylinder and spherical projecting rod. Complete with spherical support on end of rod and union for connecting oil hose.

WORKING PRESSURE MAX. 180 bar



ORDER CODE	STROKE mm	Numbers of stages N°	Stages diameter					DIMENSIONS										WEIGHT Kg	CAPACITY l	
			46 ton. 2,9	61 ton. 5,2	76 ton. 8,1	91 ton. 11,7	107 ton. 16,1	A	B	C	D	E	F	G	H	I	M			N
13900300307	840	5						150	230	150	124	40	185	112	45	45	144	335	25	4,5

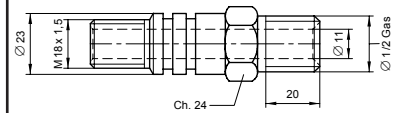
BRACKETS FOR CYLINDERS



Q.TY 2

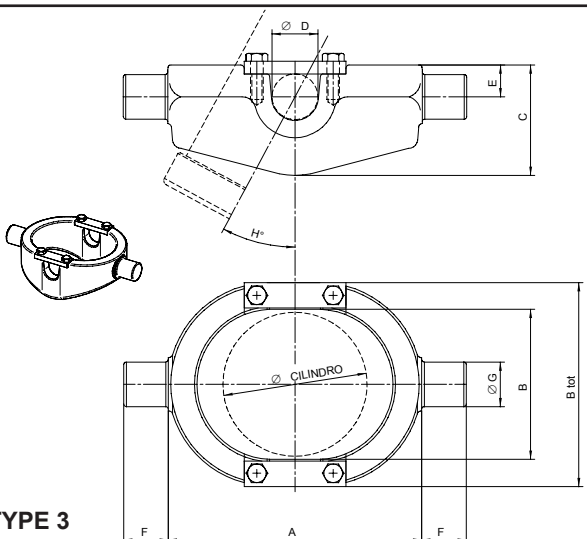
TYPE	CODE	DIMENSIONS							WEIGHT kg
		Ø A	B	C	D	E	F	Ø G	
Ø 40	14000100020	40,5	105	140	45	33	15	15	1,2

OIL INLET PINS



14000300028 Ø 23 - 1/2 GAS M
UNI 338-66

Already included with cylinder.
Only for spare parts



TYPE 3

14000200038

DIMENSIONS CRADLES FOR CYLINDERS										Charge	Weight
A	B	B tot.	C	Ø D	E	F	Ø G	H°	Ø Cil.	ton.	kg
230	155	215	107	40	31	40	40	30°	124	16	10,5

TECHNICAL SPECIFICATIONS
<p align="center">MATERIAL</p> <p>The telescopic cylinders are made with seamless rolled tube big thickness: ST. 52.0 DIN -1629 R=500-650 N/mm² Rs=355 N/mm² MW 450 20 Mnv 6 R=550-720 N/mm² Rs=420 N/mm² base and ball socket joints in pressed steel: Fe 510 R=450-630 N/mm²</p>
<p align="center">STAGES</p> <p>The saline nitriding treatment means that the stages can be free from bushings or guide rings as they have sliding surfaces which are highly resistant to wear and seizing, principally as a result of high surface hardness of HV-5/12=500-550. The prima advantage of these stages is that due to the characteristics described above, they are free from the related ring and bushing seats, giving them mechanical strength at the extremities which far exceeds the standard available on the market and leaving them free from problems with burring. This also allows a longer guide and enables the cylinder to be operated at maximum pressure at the end of its stroke.</p>
<p align="center">SURFACES</p> <p>The outer surfaces of the stages are subjected to an initial grinding phase followed by honing, giving them a degree of roughness of 0,10 - 0,25 µm, tested by a surface roughness. Event at this stages of the production cycle every piece undergoes inspection by means of a profilometer.</p>
<p align="center">SEALS</p> <p>The specially shaped seals and scrapers: Material : polyurethane Maximum pressure 400 Kg/cm² (395 Bar) Temperature from -40 to +110 C. Maximum piston speed 0.5 m/s Oil : Hydraulic oils and lubricants mineral based.</p>
<p align="center">TESTING</p> <p>All cylinders are subjected to final operational testing at hydraulic pressures of 240 Kg/cm² (235 bar). Cylinders from diameter 240 are tested at 205 Kg/cm² (200 bar).</p>
<p align="center">REGULATIONS</p> <p>All the products are projected by international regulations CNR-UNI 10011 considered a safety factor Ks= 1,5.</p>

PRECAUTIONS TO BE TAKEN FOR CORRECT MOUNTING

- Protect the stages from welding spatter, splashes of paint and other foreign bodies during mounting.
- Always protect the upper part of the stages by means of a masking tape or others when painting to avoid that paint gets into the stages and damages the seals.
- Fit a relief valve to the hydraulic system, set to 200 Bars.
- Clean inside the reservoirs and pipelines and fit suitable filters, and leak of air the circuit before use.
- When at rest the body must not be supported by the closed cylinder, should be at least 20 mm.
- Check that during the tipping the cylinder doesn't hinder to the body components, and check the angle of cup ball.
- Do not wash the cylinders with high pressure jet cleaner.
- Use mineral hydraulic oils and lubricants with a viscosity of 2 to 6 Engler at 50°C.
- Recommended density oil:
 - ISO 22 for temperatures from -18°C to +5°C
 - ISO 32 for temperatures from 0°C to +25°C
 - ISO 68 for temperatures from -10°C to +38°C

IMPORTANT SAFETY INSTRUCTIONS

- Never exceed the maximum working pressure
- Always ensure the load is within the maximum payload
- Always ensure that the load is evenly distributed
- Tip on firm level ground
- The vehicle should be stationary when tipping
- Before tipping ensure working area is clear of people and obstructions
- If the body does not tip smoothly immediately lower and check cause
- Do not shunt the vehicle to loosen sticking loads
- If the load sticks lower the body before resuming tipping operation
- Always verify that tyre pressure is correct
- Never work under a body unless it is correctly propped and in a safe environment
- Never tamper with pressure relief valve or end of stroke valve for cylinder.
- We recommended to use the nipple with the pressure check valve stopping the dump body stroke in case of damage or breakage of the oil piping.
- OMFB informs that our products cannot be used until the machine they shall be fitted in is declared to be in compliance with Machine Guideline ECC-89/392 and further amendments and is provided with CE mark approval.

ATTENTION

NOT OBSERVANCE OF THE ABOVE INSTRUCTIONS WILL AUTOMATICALLY VOID ANY WARRANTY ON THE CYLINDER.

Data: Lunedì 29 luglio 2013

Codice foglio: 99713990304 Rev: //