



>>> Polyamide tubes

En www.rodavigo.net

Familia: Neumática
Producto: Tubos Legris

Calibrated semi-rigid and rigid polyamide tube

1100P semi-rigid polyamide tube, in 100m rolls

Codes in 100 m rolls <input type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	Codes in 100 m rolls <input checked="" type="checkbox"/>	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C	Weight
							mm	mm	mm	kg
2151100P0400	2151100P0401	2151100P0402	2151100P0403	2151100P0404	2151100P0405	2151100P0406	4	2	25	1,152
2151100P040027	2151100P040127	2151100P040227	2151100P040327	2151100P040427	2151100P040527	2151100P040627	4	2,7	30	0,893
2151100P050033	2151100P050133			2151100P050433			5	3,3	25	1,274
2151100P0600	2151100P0601	2151100P0602	2151100P0603	2151100P0604	2151100P0605	2151100P0606	6	4	35	1,799
2151100P0800	2151100P0801	2151100P0802	2151100P0803	2151100P0804	2151100P0805	2151100P0806	8	6	55	2,898
2151100P100075	2151100P100175			2151100P100475			10	7,5	75	4,400
2151100P1000	2151100P1001	2151100P1002	2151100P1003	2151100P1004	2151100P1005		10	8	90	3,667
2151100P120009	2151100P120109			2151100P120409			12	9	75	5,600
2151100P1200	2151100P1201			2151100P1204			12	10	90	5,052
2151100P140011	2151100P140111			2151100P140411			14	11	120	5,200
2151100P1400	2151100P1401			2151100P1404			14	12	100	4,800
2151100P160013							16	13	120	7,800



>>> Polyurethane tubes

At www.rodavigo.net

Family: Pneumatics
Product: Legris Tubes

Calibrated flexible polyurethane tube

1025U flexible polyester polyurethane tube, in 25m rolls

Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C	Weight
						mm	mm	mm	kg
2151025U030118						3	1,8	8	0,020
2151025U0401	2151025U0402	2151025U0403	2151025U0404	2151025U0405	2151025U0406	4	2,5	10	0,310
2151025U0501			2151025U0504			5	3	13	0,522
2151025U0601	2151025U0602	2151025U0603	2151025U0604	2151025U0605	2151025U0606	6	4	15	0,591
2151025U0801	2151025U0802	2151025U0803	2151025U0804	2151025U0805	2151025U0806	8	5,5	20	0,971
2151025U1001	2151025U1002		2151025U1004	2151025U1005	2151025U1006	10	7	25	1,467
2151025U1201	2151025U1202		2151025U1204	2151025U1205	2151025U1206	12	8	35	2,406
2151025U140195			2151025U140495			14	9,5	45	2,815

1100U flexible polyester polyurethane tube, in 100m rolls

Code in 100m rolls <input checked="" type="checkbox"/>	Code in 100m rolls <input checked="" type="checkbox"/>	Code in 100m rolls <input checked="" type="checkbox"/>	Code in 100m rolls <input checked="" type="checkbox"/>	Code in 100m rolls <input checked="" type="checkbox"/>	Code in 100m rolls <input checked="" type="checkbox"/>	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C	Weight
						mm	mm	mm	kg
2151100U0401	2151100U0402	2151100U0403	2151100U0404	2151100U0405	2151100U0406	4	2,5	10	1,092
2151100U0501			2151100U0504			5	3	13	1,605
2151100U0601	2151100U0602	2151100U0603	2151100U0604	2151100U0605	2151100U0606	6	4	15	2,064
2151100U0801	2151100U0802	2151100U0803	2151100U0804	2151100U0805	2151100U0806	8	5,5	20	3,610
2151100U1001			2151100U1004			10	7	25	6,105
2151100U1201			2151100U1204			12	8	35	8,610
2151100U140195			2151100U140495			14	9,5	45	11,215

1025U..R flexible polyester polyurethane tube, in 25 m rolls

Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input checked="" type="checkbox"/>	Code in 25m rolls <input type="checkbox"/>	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C	Weight
			mm	mm	mm	kg
2151025U04R01	2151025U04R04	2151025U04R08	4	2,5	8	0,310
		2151025U05R08	5	3	11	0,522
2151025U06R01	2151025U06R04	2151025U06R08	6	4	12	0,591
2151025U08R01	2151025U08R04	2151025U08R08	8	5,5	18	0,971
2151025U10R01	2151025U10R04	2151025U10R08	10	7	22	1,467
2151025U12R01	2151025U12R04	2151025U12R08	12	8	35	2,406
	2151025U14R0495	2151025U14R0895	14	9,5	45	2,815



>>> Polyurethane tubes



Calibrated flexible polyurethane tube

At www.rodavigo.net Family: Pneumatics
Product: Legris Tubes

1100U ... R flexible polyester polyurethane tube, in 100m rolls

Code in 100m rolls	Code in 100m rolls	Code in 100m rolls	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C	Weight
			mm	mm	mm	kg
2151100U04R01	2151100U04R04	2151100U04R08	4	2,5	8	1,092
2151100U06R01	2151100U06R04	2151100U06R08	6	4	12	2,064
2151100U08R01	2151100U08R04	2151100U08R08	8	5,5	18	3,610
		2151100U10R08	10	7	22	6,109
		2151100U12R08	12	8	35	8,610
		2151100U14R0895	14	9,5	45	11,215

Legris polyamide tubes are supplied in tubepack cases

- comfortable **storage**
- **protection** of the tube against any external aggression
- easy **winding** of the tube
- immediate **identification** of the tube



>>> PVC tubes



Technical tubes

Braided PVC tube

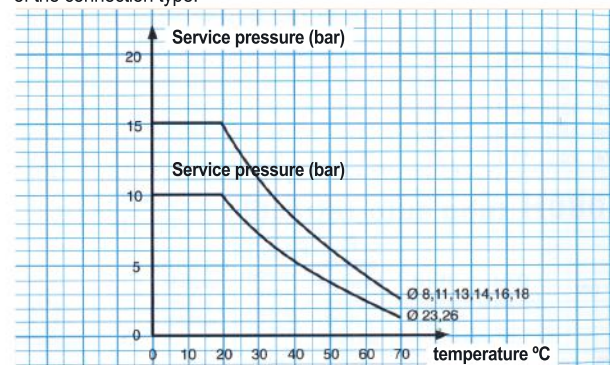


The Legris braided PVC tube is made of a braided coating of polyester fibers, coupled between two layers of polymer. Its food quality allows it to carry milk, wine, beer, water, etc. Its transparency allows to visualize the passage of the fluid, to verify its internal cleanliness or to detect the presence of air to the passage of fluid.

Pressure and temperature resistance of Legris braided PVC tube

On the next graph, each curve indicates, per diameter, the maximum admissible pressure at a certain temperature
example: braided PVC tube, 0 ext. 13, at 20°C, the maximum admissible pressure = 15 bar

The technical characteristics of the Legris braided PVC pipe also depend of the connection type.



For the bursting pressure, multiply by three the values indicated in the graph.

1025V-1050V Braided PVC tube

Code in 25m rolls	Weight	Code in 50m rolls	Weight	∅ ext. tube	∅ int. tube	(R)Radius curvature minimum at 20°C
	kg		kg	mm	mm	mm
2151025V080004	1,260	2151050V080004	2,500	8	4	10
2151025V110006	2,100	2151050V110006	4,200	11	6	12
2151025V130007	2,820	2151050V130007	5,600	13	7	14
2151025V140008	3,065	2151050V140008	6,000	14	8	16
2151025V160010	3,200	2151050V160010	6,400	16	10	25
2151025V180012	4,120	2151050V180012	8,250	18	12	30
2151025V230015	6,300	2151050V230015	12,600	23	15	40
2151025V260019	7,800	2151050V260019	15,600	26	19	60

Main advantages of Legris PVC tube:

- Food quality
- good aging
- flexibility
- transparency to visualize the inside of the tube
- numerous applications





>>> Spiral tubes

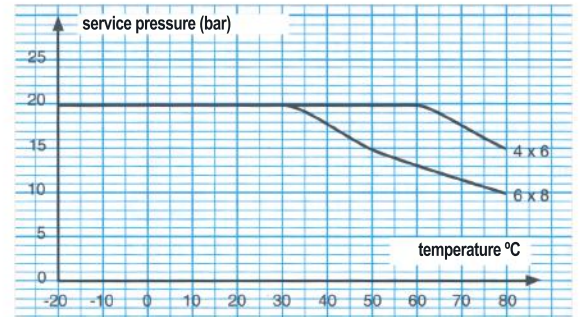
At www.rodavigo.net

Family: Pneumatics
Product: Legris Tubes

Calibrated spiral polyamide technical tubes



∅ ext. tube	tolerances about outer ∅
mm	mm
6 a 8	+0,05 -0,1



LLegris spiral polyamide tube has excellent recovery even after multiple uses. Equipped at the ends of inlet fittings, **R1/4 male thread** allows immediate use. To protect their ends, they are mounted with a protective spring. According to NFE 49.100, it is characterized by a hardness of 60° shore D. The technical characteristics of Legris spiral tubes also depend on the type of connection.

Pressure and temperature resistance of Legris calibrated spiral polyamide tube

On the next graph, each curve indicates, for each diameter, the maximum allowable pressure at a given temperature. Example: spiral polyamide tube, ext. 4x6, at 20°C, maximum admissible pressure = 20 bar

1470P 2m spiral polyamide tube (useful length 2m), with R1 / 4 thread

Code	Code	∅ ext. tube	∅ int. tube			Weight
		mm	mm			kg
2151470P060413	2151470P060713	6	4	120	60	0,143
2151470P080413	2151470P080713	8	6	160	70	0,174

1471P polyamide spiral tube 4m (useful length 4m), with R1 / 4 thread

Code	Code	∅ ext. tube	∅ int. tube			Weight
		mm	mm			kg
2151471P060413	2151471P060713	6	4	240	60	0,199
2151471P080413	2151471P080713	8	6	320	70	0,249

1472P 6m spiral polyamide tube (useful length 6m), with R1 / 4 thread

Code	Code	∅ ext. tube	∅ int. tube			Weight
		mm	mm			kg
2151472P060413	2151472P060713	6	4	360	60	0,260
2151472P080413	2151472P080713	8	6	480	70	0,329

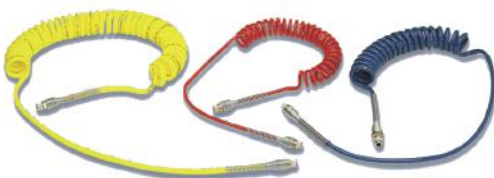
Legris spiral tube dimensional symbols:



length of the collected coils (in mm) ∅ of the coils (in mm)

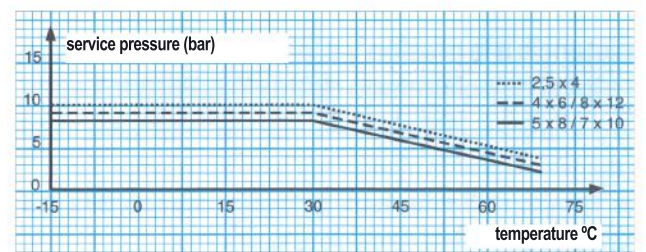
The useful length corresponds to the maximum recommended length to ensure your best recovery, after multiple uses.

Calibrated spiral polyurethane technical tubes



The technical characteristics of Legris spiral tubes also depend on the type of connection

∅ ext. tube	tolerances on external ∅
mm	mm
4 a 8	+0,10 -0,10
10 a 12	+0,15 -0,15



Pressure resistance and temperature of the polyurethane tube in Legris calibrated spiral

On the next graph, each curve indicates, for each diameter, the pressure maximum allowable at a given temperature, example: spiral polyurethane tube, 0ext. 4x6, at 20°C, the maximum pressure admissible = 9 bar

The Legris spiral polyurethane tube is perfectly adapted to installations that require significant flexibility in a small space, thanks to the small diameter of the turns.

Its design with straight terminals equipped with push-in fittings and its good resistance to shocks and abrasion guarantee an easy and absolute safety of use of pneumatic tools.

According to NFE 49.101, it is characterized by a hardness of 52° shore D.



>>> Spiral tubes










Technical calibrated spiral polyurethane tubes








At www.rodavigo.net

Family: Pneumatics
Product: Legris Tubes






1470U 2m spiral polyurethane tube (useful length 2m), with conical BSP threaded fittings

Code	Code	Code	∅ ext. tube	∅ int. tube	Conical BSP thread		Length of the long end of the tube	Length of the short end of the tube		Weight	
			mm	mm			mm	mm		kg	
2151470U040310	2151470U040410	2151470U040510	4	2,5	R1/8		190	300	100	24	0,060
2151470U060313	2151470U060413	2151470U060513	6	4	R1/4		230	300	100	32	0,120
2151470U080313	2151470U080413	2151470U080513	8	5	R1/4		190	500	100	42	0,160
2151470U100313	2151470U100413	2151470U100513	10	7	R1/4		190	500	100	62	0,190
2151470U120317	2151470U120417	2151470U120517	12	8	R3/8		200	500	100	65	0,220

1471U 4m spiral polyurethane tube (useful length 4m), with conical BSP threaded fittings

Code	Code	Code	∅ ext. tube	∅ int. tube	Conical BSP thread		Length of the long end of the tube	Length of the short end of the tube		Weight	
			mm	mm			mm	mm		kg	
2151471U040310	2151471U040410	2151471U040510	4	2,5	R1/8		390	300	100	24	0,100
2151471U060313	2151471U060413	2151471U060513	6	4	R1/4		480	300	100	32	0,160
2151471U080313	2151471U080413	2151471U080513	8	5	R1/4		400	500	100	42	0,200
2151471U100313	2151471U100413	2151471U100513	10	7	R1/4		400	500	100	62	0,230
2151471U120317	2151471U120417	2151471U120517	12	8	R3/8		400	500	100	65	0,260

1472U 6m spiral polyurethane tube (useful length 6m), with conical BSP threaded fittings

Code	Code	Code	∅ ext. tube	∅ int. tube	Conical BSP thread		Length of the long end of the tube	Length of the short end of the tube		Weight	
			mm	mm			mm	mm		kg	
2151472U080313	2151472U080413	2151472U080513	8	5	R1/4		650	500	100	42	0,280
2151472U100313	2151472U100413	2151472U100513	10	7	R1/4		680	500	100	62	0,295
2151472U120317	2151472U120417	2151472U120517	12	8	R3/8		700	500	100	65	0,310

Legris spiral tube dimensional symbols:



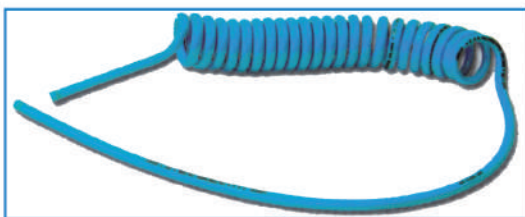
length of the collected coils (in mm)



of coils (in mm)

The useful length corresponds to the maximum recommended length to ensure its best recovery after multiple uses.

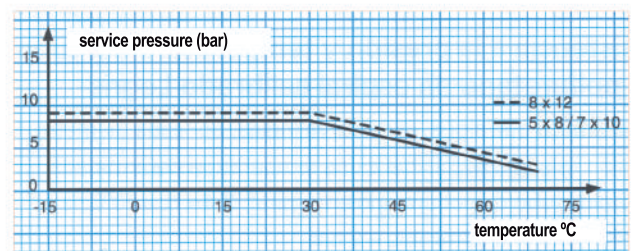
Technical calibrated bare polyurethane spiral tubes



The technical characteristics of the Legris bare polyurethane tube also depend on the type of connection to which it is connected.

∅ ext. tube	tolerances on external ∅	
mm	mm	mm
8	+0,10	-0,10
10 a 12	+0,15	-0,15

Thanks to the small diameter of the coils, the Legris bare polyurethane spiral tube is perfectly adapted to installations that require a highly flexible connection in a small space. Specially adapted to the Legris push-in fittings with protection spring, this tube guarantees a simple and totally safe use of pneumatic devices. According to NFE 49.101, it is characterized by a hardness of 52° shore D.



Pressure resistance and temperature of the spiral tube Legris calibrated naked polyurethane



On the next graph, each curve indicates, for each diameter, the pressure maximum allowable at a given temperature, example: spiral polyurethane tube, 08x6, at 20°C, maximum pressure admissible = 9 bar

>>> Spiral tubes



At www.rodavigo.net Family: Pneumatics
Product: Legris Tubes

Technical calibrated bare polyurethane spiral tubes



1460U bare polyurethane spiral tube, useful length 2m

Code	∅ ext. tube	∅ int. tube		Length of the long end of the tube	Length of the short end of the tube		Weight
	mm	mm		mm	mm		kg
2151460U0804	8	5	190	500	100	42	0,064
2151460U1004	10	7	190	500	100	62	0,122
2151460U1204	12	8	200	500	100	65	0,172

1461U bare polyurethane spiral tube, useful length 4m

Code	∅ ext. tube	∅ int. tube		Length of the long end of the tube	Length of the short end of the tube		Weight
	mm	mm		mm	mm		kg
2151461U0804	8	5	400	500	100	42	0,128
2151461U1004	10	7	400	500	100	62	0,244
2151461U1204	12	8	400	500	100	65	0,344

1462U bare polyurethane spiral tube, useful length 6m

Code	∅ ext. tube	∅ int. tube		Length of the long end of the tube	Length of the short end of the tube		Weight
	mm	mm		mm	mm		kg
2151462U0804	8	5	650	500	100	42	0,192
2151462U1004	10	7	680	500	100	62	0,246
2151462U1204	12	8	700	500	100	65	0,280

Legris spiral tube dimensional symbols:



length of coils collected (in mm)



∅ of coils (in mm)

The useful length corresponds to the maximum recommended length to ensure its best recovery, after multiple uses.

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

Technical tubes, push-in fittings with protection spring

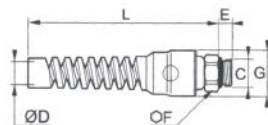


Legris push-in fittings with protection spring consist of an LF 3000

connection and a polymer protection spring. Attached to the bare polyurethane spiral tube, they protect equipment from scratches and prevent the tube from kinking unexpectedly.

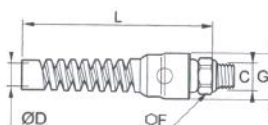
- fluid: compressed air
- operating temperature: -20° to + 60°C
- nature of the materials:
- protection spring: reinforced polymer
- fitting: nickel-plated brass
- cylindrical BSP model: sealing gasket: nitrile
- Conical BSP models: preliminary layer

0694 push-in fitting with protection spring, cylindrical BSP



Code	C	∅D	E	F	G	L	Weight(kg)
20506940813	G1/4	8	6,5	16	24	104,5	0,101
20506941013	G1/4	10	6,5	18	24	106,5	0,105
20506941217	G3/8	12	7,5	20	29,5	126	0,106

0695 push-in fitting with protection spring, conical BSP



Code	C	∅D	F	G	L	Weight(kg)
20506950813	R1/4	8	14	24	104,5	0,101
20506951013	R1/4	10	18	24	106,5	0,105
20506951217	R3/8	12	20	29,5	126	0,106

In the chapter dedicated to the quick couplings in this catalogue, you will find C 9000 tailpieces and bodies adapted in bare polyurethane spiral.

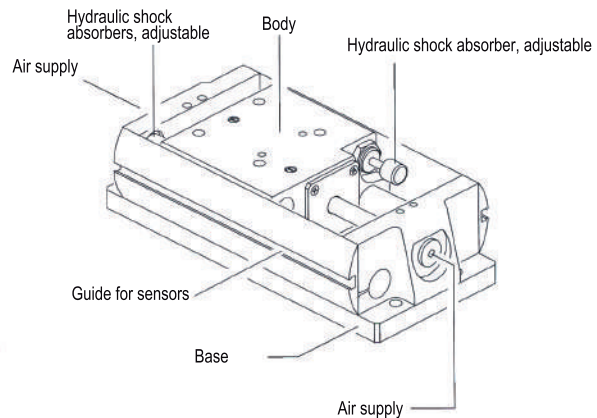
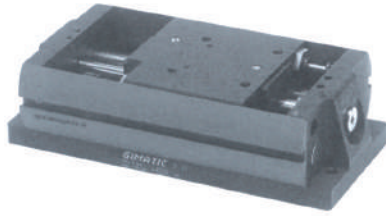


>>> Guiding units

GIMATIC

Pneumatic guiding unit

At www.rodavigo.net Family: Pneumatics
Product: Gimatic Material



Characteristics

Code	060D3250	060D32100
Fluid	Filtered, lubricated or non-lubricated compressed air	
Working pressure at 23°C	3 ÷ 8 bar	
Max stroke (A)	mm 0 ÷ 50	50 ÷ 100
Work temperature	°C 5° ÷ 60°C	
Theoretical strength in forward and reverse	N 148N (2bar); 296 N (4 bar); 444 N (8 bar); 592 N (8 bar)	
Air consumption at 6 bar	cm ³ 89	163
Position repeatability	mm 0,02	
Piston diameter	mm Ø 32	
Weight	kg 2,3	3,3

>>> Machining units

Machining units



Electro-pneumatic drill units

PNEUMATIC MOTOR (pneumatic push, advance and return).
Particularly suitable for making small and medium-sized precision drills.

Characteristics.

Pneumatic motor with device to start the motor at the start of the forward stroke and stop at the end of the return stroke.

Pneumatic advance and return.

Oleodynamic regulation of the speed of advance in work.

Arranged for connection with various control circuits depending on of employment conditions.

Work cycle

- Quick approach with automatic engine start.
- Working stroke regulated by hydraulic device.
- Stop at the end of the stroke and quick return with automatic engine stop.

Technical note. For replacement or refund of brake oil, use only oil with a viscosity of 3°E at 50°C (ex. ESSO Nuto H44 or an equivalent of another brand).

Reference	Vacuum speed	Drill capacity			Spindle connection	Spindle capacity	Total stroke	Max. working stroke with hydraulic regulation	Work push at 6 bar	Power	Weight	Connection for fitting	Ø min. tube	Air consumption	
		Wood Ø	Aluminum Ø	Steel Ø											
	r.p.m.	mm							kg	watts	HP	kg	mm	NI/min	
MRC1	5500	8	6	4	B10	4	50	50	27	100	0,13	2,7	1/4" GAS	6	200
TFLF1	3000	11	7	5	3/8"x24	6	50	50	70	160	0,22	6,5	1/4" GAS	6	300
	3000	11	7	5	3/8"x24	6	100	50	70	160	0,22	8	1/4" GAS	6	
TFLF2	1200	13	9	7	3/8"x24	8	50	50	70	160	0,22	6,5	1/4" GAS	6	300
	1200	13	9	7	3/8"x24	8	100	50	70	160	0,22	8	1/4" GAS	6	
TFLF3	700	14	11	8	3/8"x24	8	50	50	70	160	0,22	6,5	1/4" GAS	6	300
	700	14	11	8	3/8"x24	8	100	50	70	160	0,22	8	1/4" GAS	6	
TFLG0	5000	12	8	6	1/2"x20	6	50	50	100	285	0,38	8	1/4" GAS	8	500
	5000	12	8	6	1/2"x20	6	100	50	100	285	0,38	9,5	1/4" GAS	8	
TFLG2*	2500	14	10	8	1/2"x20	8	50	50	100	285	0,38	8	1/4" GAS	8	500
	2500	14	10	8	1/2"x20	8	100	50	100	285	0,38	9,5	1/4" GAS	8	
TFLG3*	1100	18	13	10	1/2"x20	10	50	50	100	285	0,38	8	1/4" GAS	8	500
	1100	18	13	10	1/2"x20	10	100	50	100	285	0,38	9,5	1/4" GAS	8	

* Multi-spindle heads can be used to make multiple holes.

All models with 100mm total stroke can be supplied with a regulated 75mm working stroke.

Order example: TFLG2100/50. Indicates a model TFLG2 drill unit with a total stroke of 100 mm and a working stroke of 50 mm (controlled - hydraulic regulation).

M/160300/M/11, M/160300/M/12 Angle grippers

Single acting, double acting - Magnetic plunger - Ø 8 to 25 mm



Smooth and precise movement
long duration running
in continuous
Light
Compact
Integrated feedback magnets
of the position

TECHNICAL DATA

Fluid:
Compressed air, filtered,
lubricated or not lubricated
Functioning:
Magnetic plunger, angular,
single acting (M / 160300 / M / 11)
Magnetic plunger, angular,
double acting (M160300 / M / 12)
Work pressure:
2 to 7 bar
(Ø 8 mm 3.6 to 7 bar
Ø 10 mm 3 to 7 bar)
Work temperature:
0 ° C to + 60 ° C
Consult our Technical Service
for temperatures below + 2 ° C
Fixings:
Three-sided mounting holes

STANDARD MODELS - SIMPLE EFFECT

Code	Ø	Connection size	Effective clamping force (n) at 5 bar*		Straight switch with integrated 3m cable	Elbow switch with integrated 3m cable	Straight fitting	Elbow
			Opening	Closing				
168M160305M11	8	M3 x 0,5	0,6	1,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160306M11	10	M3 x 0,5	1,0	1,4	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160307M11	16	M5 x 0,8	2,8	10,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160308M11	20	M5 x 0,8	6,0	18,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160309M11	25	M5 x 0,8	10,0	38,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403

STANDARD MODELS - DOUBLE EFFECT

Code	Ø	Connection size	Effective clamping force (n) at 5 bar*		Straight switch with integrated 3m cable	Elbow switch with integrated 3m cable	Straight fitting	Elbow
			Opening	Closing				
168M160305M12	8	M3 x 0,5	2,6	1,6	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160306M12	10	M3 x 0,5	3,8	2,5	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160307M12	16	M5 x 0,8	17,0	12,8	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160308M12	20	M5 x 0,8	32,0	24,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160309M12	25	M5 x 0,8	62,0	48,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403



>>> **Parallel grippers**



Parallel grippers

At www.rodavigo.net Family: Pneumatics
Product: Norgren Material

M/160340/M/11, M/160340/M/12 Parallel grippers

Single acting, double acting - Magnetic plunger - Ø 10 to 25 mm









Ideal for general gripper applications
Smooth and precise movement
Long lasting running on continuous
Light
Compact
Integrated feedback magnets of the position







TECHNICAL DATA

Fluid:
Compressed air, filtered, lubricated or not lubricated
Functioning:
Single acting, parallel, magnetic plunger (M / 160340 / M / 11)
Double acting, parallel, magnetic plunger (M / 160340 / M / 12)
Work pressure:
M / 160340 / M / 11: 2.5 to 7 bar (Ø 10 mm 3.5 to 7 bar)
M / 160340 / M / 12: 1 to 7 bar (Ø 10 mm 1.8 to 7 bar Ø 16 mm 1.2 to 7 bar)
Work temperature:
0 ° C to + 60 ° C
Consult our Technical Service for temperatures below + 2 ° C
Fixings:
Three-sided mounting holes
Clamping repeatability:
+/- 0.01 mm

STANDARD MODELS - SIMPLE EFFECT

Code	Ø	Connection size	Effective clamping force (n) at 5 bar*		ACCESSORIES			
			Opening	Closing	Straight switch with integrated 3m cable	Elbow switch with integrated 3m cable	Straight fitting	Elbow
								
168M160343M11	10	M3 x 0,5	2,0	4,9	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160344M11	16	M5 x 0,8	3,9	21,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160345M11	20	M5 x 0,8	6,9	36,4	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160346M11	25	M5 x 0,8	13,7	54,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403

STANDARD MODELS - DOUBLE EFFECT

Code	Ø	Connection size	Effective clamping force (n) at 5 bar**		ACCESSORIES			
			Opening	Closing	Straight switch with integrated 3m cable	Elbow switch with integrated 3m cable	Straight fitting	Elbow
								
168M160343M12	10	M3 x 0,5	14,6	9,4	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160344M12	16	M5 x 0,8	34,0	25,5	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160345M12	20	M5 x 0,8	60,9	45,7	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403
168M160346M12	25	M5 x 0,8	87,0	67,0	168M344EAU3PV	168M344EAU3APV	168M02250403	168M02470403

M/58112 Vacuum pumps in one stage

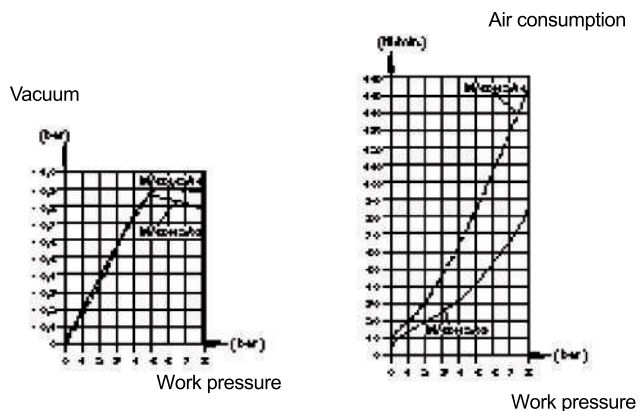


Large air intake capacity
14% lower air consumption than other single-stage units
Great durability
Compatible with large numbers of polluting particles in vacuum lines
Allows direct connection suction cups and facilitates escape of the line

TECHNICAL DATA

Fluid:
Compressed air, filtered and not lubricated
Work pressure:
5 bar optimal
8 bar maximum
Work temperature:
-20 ° to + 150 ° C
Consult our Technical Service for temperatures below + 2°C
Vacuum:
-0.85 bar maximum (M / 58112/09)
-0,90 bar maximum (M / 58112/11)

WORKING CHARACTERISTICS



BREATHED AIR (NL / MIN), FREE AIR

Code	Reference	0 bar	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar
168M5811209	M/58112/09	28,00	24,00	18,00	14,00	11,00	8,00	5,50	3,00	1,00
168M5811211	M/58112/11	55,00	47,00	36,00	28,00	23,00	17,00	12,00	6,00	2,50

TIME IN SECONDS TO EVACUATE A LITER OF AIR

Code	Reference	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar	-0,85 bar	-0,9 bar
168M5811209	M/58112/09	0,27	0,56	0,89	1,44	2,00	2,88	4,31	7,97	14,36	
168M5811211	M/58112/11	0,15	0,31	0,49	0,72	1,00	1,41	2,08	3,71	5,60	8,11

TUBE DIMENSIONS

Code	Reference	Compressed air	Vacuum	Escape
168M5811209	M/58112/09	> Ø 3	> Ø 5	> Ø 6
168M5811211	M/58112/11	> Ø 3	> Ø 7	> Ø 9



>>> Vacuum pump



At www.rodavigo.net Family: Pneumatics
Product: Norgren Material

Vacuum pumps

M/58102 Vacuum pumps



Quick response
Compact and lightweight units
Low sound level
Actuated by compressed air
Easy installation
Non-return and standard valves

TECHNICAL DATA

Fluid:
Compressed air, filtered
and not lubricated
Work pressure:
6 bar max.
Work temperature:
-20 ° C to + 80 ° C for M / 58102/10
to M / 58102/30
-20 ° C to + 60 ° C for M / 58102/60
to M / 58102/120
Consult our Technical Service
for temperatures below + 2 ° C
Vacuum:
-0.87 bar max.

Code	Type	Silencer**	Aspirated air (NI/min)*	Air consumption (NI/min)*	kg
168M5810210	Standard	Threaded	80	49	0,080
168M5810220	Standard	Threaded	160	98	0,095
168M5810230	Standard	Threaded	240	144	0,110
168M5810260	Standard	Integral	480	285	0,855
168M5810290	Standard	Integral	708	471	1,105
168M58102120	Standard	Integral	910	528	1,150
168M58102N10	Check valve	Threaded	80	49	0,080
168M58102N20	Check valve	Threaded	160	98	0,095
168M58102N30	Check valve	Threaded	240	144	0,110
168M58102N60	Check valve	Integral	480	285	0,855
168M58102N90	Check valve	Integral	708	471	1,105
168M58102N120	Check valve	Integral	910	528	1,150

CHARACTERISTICS

Aspirated air (NI / min), free air

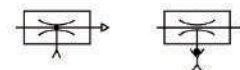
Code	0 bar	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar
168M5810210	80	55	32	28	25	18	13	5	1,5
168M5810220	160	110	64	56	50	36	26	10	3
168M5810230	240	165	96	84	75	54	39	15	4,5
168M5810260	480	270	182	168	150	108	78	30	9
168M5810290	708	427	273	252	225	162	117	45	13,5
168M58102120	910	568	355	336	300	216	156	60	18

TIME IN SECONDS TO EVACUATE A LITER OF AIR

Code	0 bar	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar
168M5810210	0,070	0,200	0,450	0,750	1,150	1,730	2,610	4,130	5,820
168M5810220	0,035	0,100	0,230	0,370	0,570	0,860	1,320	2,070	2,920
168M5810230	0,023	0,070	0,150	0,250	0,380	0,580	0,870	1,380	1,940
168M5810260	0,012	0,034	0,080	0,120	0,190	0,290	0,440	0,690	0,970
168M5810290	0,007	0,023	0,050	0,080	0,130	0,190	0,290	0,460	0,650
168M58102120	0,006	0,017	0,040	0,060	0,100	0,150	0,220	0,350	0,490

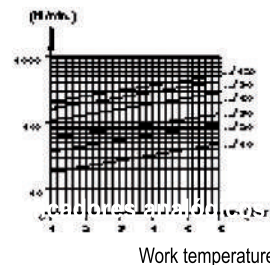
RECOMMENDED TUBE DIMENSIONS (INTERNAL DIAMETER)

Code	Compressed air	Vacuum	Escape
168M5810210	> Ø 3	> Ø 7	> Ø 9
168M5810220	> Ø 3	> Ø 7	> Ø 9
168M5810230	> Ø 4	> Ø 9	> Ø 9
168M5810260	> Ø 4	> Ø 19	
168M5810290	> Ø 5	> Ø 19	
168M58102120	> Ø 5	> Ø 22	

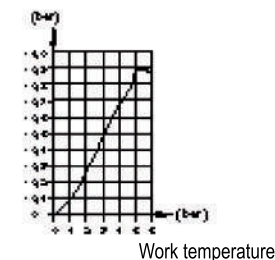


WORKING CHARACTERISTICS

Air consumption



Vacuum



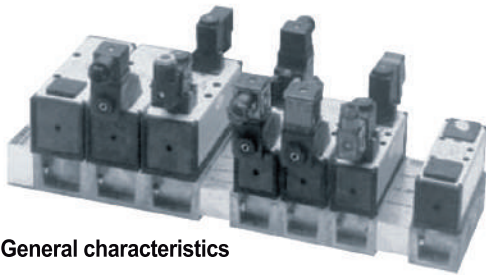
>>> Valves and solenoid valves



At www.rodavigo.net

Family: Pneumatics
Product: Parker pneumatic material

Standard ISO 5599/1 and VDMA valves for mounting on base plate



General characteristics

- Ceramic technology, maintenance free.
- Are mounted on ISO 5599/1 base plates - NF E 49-080.
- Pneumatic and electropneumatic pilotage (CNOMO 06-05-10).
- Can operate with vacuum or powered by the outputs.
- High flow (6 bar): DX1, 1680 NI / mn, DX2 - 4320 NI / mn; DX3 6450 NI / mn.

ISOMAX DX. 1, 2 AND 3 SIZES

Terms of use

Working temperature (°C)	-10++60 dry air +5++60 non-dry air
Storage temperature (°C):	-20++80
Supply through the spaces:	Possible - no extra pressure on 12 and 14
Fluid	Filtered air, 40µ. dry or not, lubricated or not
Supply pressure:	-0,9 to 0 bar, +2 to 12 bar

Material

Flat stroke:	Polyamide
Flat seat:	Ceramics
Body:	Fiberglass reinforced polyamide
Cover - lids:	Anodized aluminum
Valve base:	Zamak
Seals:	Statics - Nitrile
Dynamics (piloting)	Polyurethane
Screws:	Galvanized steel

Tension Code

12 V.c.a.	B
24 V.c.a.	C
48 V.c.a.	D
110 V.c.a.	J
230 V.c.a.	A
12 V.c.c.	L
24 V.c.c.	M
48 V.c.c.	N

Code

1) The last letter mark the tension.

Distributors equipped with solenoid valves Codes

Size 1	Size 2	Size 3	Function	Solenoid valve type
068DX1606711M	068DX2606711M	068DX3606711M	5/2 bistable	EV310
068DX1606763M	068DX2606763M	068DX3606763M		EV30
068DX1621711M	068DX2621711M	068DX3621711M	5/2 monostable spring return	EV310
068DX1621763M	068DX2621763M	068DX3621763M		EV30
068DX1651711M	068DX2651711M	068DX3651711M	5/2 differential	EV310
068DX1651763M	068DX2651763M	068DX3651763M		EV30
068DX1616711M	068DX2616711M	068DX3616711M	5/3 closed centers	EV310
068DX1616763M	068DX2616763M	068DX3616763M		EV30
068DX1611711M	068DX2611711M	068DX3611711M	5/3 open centers	EV310
068DX1611763M	068DX2611763M	068DX3611763M		EV30
068DX1613711M	068DX2613711M	068DX3613711M	5/3 supply centers	EV310
068DX1613763M	068DX2613763M	068DX3613763M		EV30

Distributors without selector covers for solenoid valve control

Code Size 1	Code Size 2	Code Size 3	Function
068DX160670	068DX260670	068DX360670	5/2 bistable
068DX162170	068DX262170	068DX362170	5/2 monostable spring return
068DX165170	068DX265170	068DX365170	5/2 differential
068DX161670	068DX261670	068DX361670	5/3 closed centers
068DX161170	068DX261170	068DX361170	5/3 open centers
068DX161370	068DX261370		5/3 supply centers

Pilot solenoid valves with support plane CNOMO 06-05-10

Codes

Voltage 24VAC	Voltage 110VAC	Voltage 230VAC	Voltage 24VDC	
5VA	5VA	5VA	4,5W	TYPE EV30 4,5w (30 x 30 connector)
068EV30C1100	068EV30J1100	068EV30A1100	068EV30M1100	Manual impulse actuation
068EV30C3100	068EV30J3100	068EV30A3100	068EV30M3100	Bistable manual override (rotate)
068EV30C0100	068EV30J0100	068EV30A0100	068EV30M0100	Without manual override
3VA	3VA	3VA	2,5W	TYPE EV30 2,5w (30 x 30 connector)
068EV30C1200	068EV30J1200	068EV30A1200	068EV30M1200	Manual impulse actuation
068EV30C3200	068EV30J3200	068EV30A3200	068EV30M3200	Bistable manual override (rotate)
068EV30C0200	068EV30J0200	068EV30A0200	068EV30M0200	Without manual override
4,5VA	4,5VA	4,5VA	2,5W	TYPE EV310 2,5w (20 x 28 connector)
068EV1C310	068EV1J310	068EV1A310	068EV1M310	Manual impulse actuation
068EV3C310	068EV3J310	068EV3A310	068EV3M310	Bistable manual override (rotate)
068EV0C310	068EV0J310	068EV0A310	068EV0M310	Without manual override



>>> Valves and solenoid valves



Pilot solenoid valves with support plane CNOMO 06-05-10

At www.rodavigo.net Family: Pneumatics
Product: Parker pneumatic material

Standard connector

Code	Code
Shape A (30 x 30) DIN 43650	Shape B (20 x 28) DIN 43650
ISO 4400	ISO 4400
0683EV290V10	0683EV10V10

Connector with LED and protection

	Shape A (30 x 30) DIN 43650		Shape B (20 x 28) DIN 43650	
	Code	Code	Code	Code
	Without cable	With 5m cable	Without cable	With 5m cable
24V ~ y =	0683EV290V2024	0683EV290V2024L5	0683EV10V2024	0683EV10V2024L5
48V ~ y =	0683EV290V2048	0683EV290V2048L5	0683EV10V2048	0683EV10V2048L5
110V ~ y =	0683EV290V20110	0683EV290V20110L5	0683EV10V20110	0683EV10V20110L5
230V ~ y =	0683EV290V20230	0683EV290V20230L5	0683EV10V20230	0683EV10V20230L5



Pilot solenoid valves with support plane CNOMO 06-05-10



ISOMAX-M12: Sizes 1, 2, 3

Electrical connection via central M12 connector (in accordance with standard E03.62.52N) with 4 pins: Pin 1 - free; Pin 2: 24VDC pilot 12 Pin 3: Common UV, Pin 4: 24 VDC pilot 14.

Protection: IP65

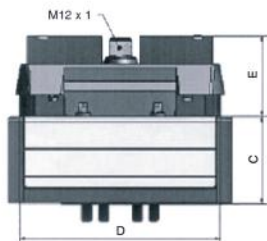
Power: 1.8W per pilot

Visualization: Green LED

Pilot manual actuation, impulse (versions without manual actuation, or bistable rotation on request).

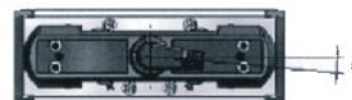
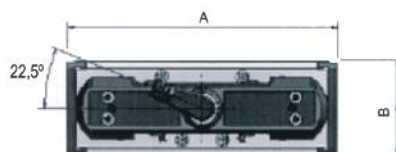
Valve characteristics: See previous pages. ISOMAX DX1-2-3

Code	Size	Function
M12 en 5° side 12	M12 en 22,5° side 14	
068DX1606961MA	068DX1606961MB	1 5/2 bistable
068DX2606961MA	068DX2606961MB	2
068DX3606961MA	068DX3606961MB	3
068DX1651961MA	068DX1651961MB	1 5/2 Differential
068DX1652961MA	068DX1652961MB	2
068DX1653961MA	068DX1653961MB	3
068DX1621961MA	068DX1621961MB	1 5/2 monostable
068DX2621961MA	068DX2621961MB	2 spring return
068DX3621961MA	068DX3621961MB	3
068DX1616961MA	068DX1616961MB	1 5/3 closed centers
068DX2616961MA	068DX2616961MB	2
068DX3616961MA	068DX3616961MB	3
068DX1611961MA	068DX1611961MB	1 5/3 open centers
068DX2611961MA	068DX2611961MB	2
068DX3611961MA	068DX3611961MB	3
068DX1613961MA	068DX1613961MB	1 5/3 supply centers
068DX2613961MA	068DX2613961MB	2
		3



Dimensions

	A	B	C	D	E
DX1	120	42	47	108	44
DX2	140	54	58,5	114	44
DX3	170	68	71	132	44

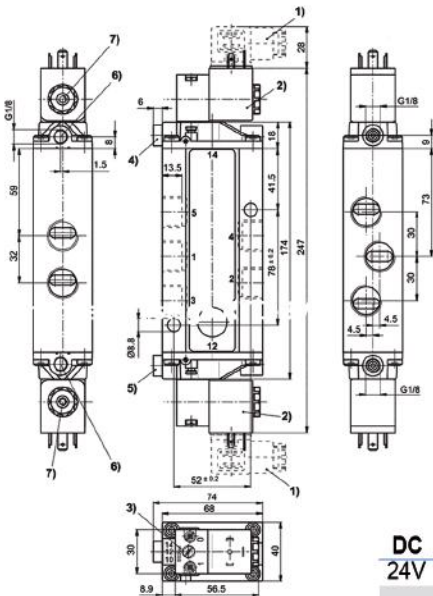


CD12 distributor valve

At www.rodavigo.net Family: Pneumatics
Product: Mannesmann Mecman Cpoac Bosch Rexroth Pneumatics



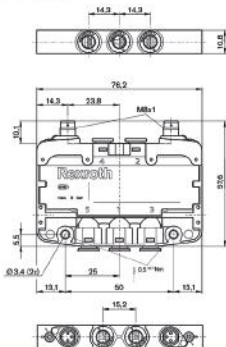
Code	HHB	Compressed air connection			Service voltage		V. flow Qn [l/min]
		input	output	exhaust	DC	AC 50 AC 60	
					Pilot connection	Pilot air exhaust	Hz Hz
618R412008097		G 1/2	G 1/2	G 1/2			4100
6185725550220		G 1/2	G 1/2	G 1/2		M5 24V	4100
6185725555270		G 1/2	G 1/2	G 1/2		M5	4100
6185725555280		G 1/2	G 1/2	G 1/2			110V 110V 230V 230V
6185725555202		G 1/2	G 1/2	G 1/2			4100
6185725560220		G 1/2	G 1/2	G 1/2		24V	4100
6185725565270		G 1/2	G 1/2	G 1/2	G 1/8	M5	110V 110V 230V 230V
6185725565280		G 1/2	G 1/2	G 1/2			4100
6185725565202		G 1/2	G 1/2	G 1/2	G 1/8		4100



Code	Function pressure [bar]	Pilot pressure [bar]	Ambient temp. [°C]	MidstConnection temp. [°C]	time [ms]	Index. compat. EE 60529	T. Protect	weight [kg]	Obs.
618R412008097	2 / 10	2 / 10	-15° C / +50° C	-15° C / +50° C	Disconnection time			0,9	1); 2); 4)
6185725550220	2 / 10	2 / 10	-15° C / +50° C	-15° C / +50° C	36	36	14	IP 65	1,2 2); 6)
6185725555270	2 / 10	2 / 10	-15° C / +50° C	-15° C / +50° C	36	36	14	IP 65	1,2 2); 6)
6185725555280	2 / 10	2 / 10	-15° C / +50° C	-15° C / +50° C	36	36	14	IP 65	1,2 2); 6)
6185725555202	2 / 16	2 / 16	-15° C / +70° C	-15° C / +70° C				0,9	2); 5)
6185725560220									
6185725565270	-0,95/16	2 / 10	-15° C / +50° C	-15° C / +50° C	36	36	14	IP 65	1,2 3); 6)
6185725565280									
6185725565202	-0,95/16	2 / 16	-15° C / +70° C	-15° C / +70° C				0,9	3); 5)

Service voltage	Voltage tolerance		Power consumption DC	Connection power		Retention capacity	
	DC	AC50Hz AC60Hz		AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
24V		-10%/+10%	2,1	VA	VA	VA	VA
110V	110V	-20%/+10%		6,8	5,7	4,3	3,3
230V	230V	-20%/+10%		6,9	6,2	4,4	3,5

LS04 AF distributor valve



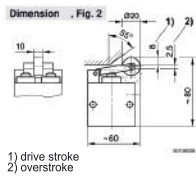
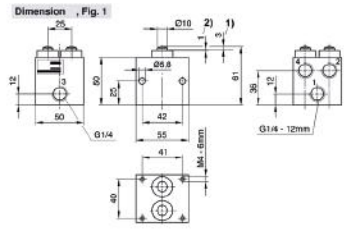
Code	HHB	Compressed air connection			Service voltage	Guide value flow		Value flow Qn [l/min]	weight [kg]
		input	output	exhaust		b	c		
					DC	AC 50 Hz	AC 60 Hz		
618R422100577	NA/NA	Ø 4	Ø 4	Ø 4	24 v	0,4	0,8	175 0,054	
618R422100585	NC/NC	Ø 4	Ø 4	Ø 4	24V	0,4	0,8	180 0,054	
618R422100593	NC/NA	Ø 4	Ø 4	Ø 4	24V	0,4	0,8	175 0,054	
618R422100578	NA/NA	Ø 6	Ø 6	Ø 6	24V	0,25	1,2	250 0,054	
618R422100586	NC/NC	Ø 6	Ø 6	Ø 6	24V	0,3	1,5	310 0,054	
618R422100594	NC/NA	Ø 6	Ø 6	Ø 6	24V	0,25	1,2	250 0,054	

>>> Valves

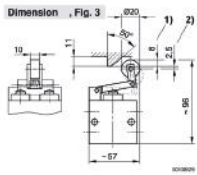


AP Series Distributor Valve

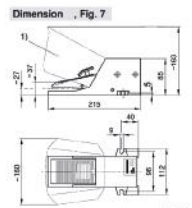
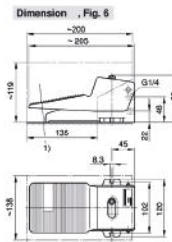
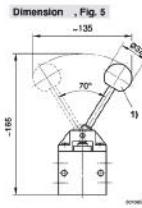
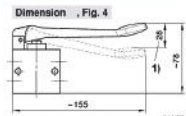
At www.rodavigo.net Family: Pneumatics
Product: Mannesmann Mecman Cpoac Bosch Rexroth Pneumatics



1) drive stroke
2) overstroke



Code	Drive element	Compressed air connection			Qn	Material: drive element	Weight	Fig.
		output	exhaust	[l/min]				
6180820401001	Pusher	G 1/4	G 1/4	G 1/4	550	steel	0,33	Fig.1
6180820401002	Roller	G 1/4	G 1/4	G 1/4	550	Polyoxymethylene; steel	0,5	Fig.2
6180820401003	Vacuum recoil roller	G 1/4	G 1/4	G 1/4	550	Polyoxymethylene; steel	0,5	Fig.3
6180820401004	Button	G 1/4	G 1/4	G 1/4	550	aluminum	0,52	Fig.4
6180820401005	Lever	G 1/4	G 1/4	G 1/4	550	steel; polyamide	0,53	Fig.5
6180820401006	Pedal	G 1/4	G 1/4	G 1/4	550	aluminum	1,3	Fig.6
6180820401008	Pedal, snap-in	G 1/4	G 1/4	G 1/4	550	aluminum	1,42	Fig.7



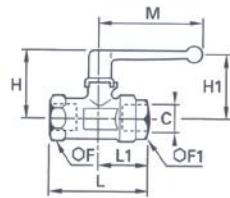
>>> Universal brass valves



Straight universal series valves

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

0402 double female thread

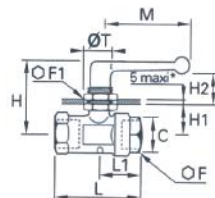


* Models with the CE inscription **CE**
max operating pressure: 40 bar

Code	C	\varnothing	F	F1	H	H1	L	L1	M	Weight
20504020410	G 1/8	4	-	14	35	29	44	25	48	0,091
20504020710	G1/8	7	19	19	38	31	51	27	48	0,167
20504020713	G1/4	7	19	19	38	31	53	28	48	0,157
20504021017	G3/8	10	24	24	45	43	59	31	69	0,230
20504021321	G1/2	13	27	27	47	44	67	34	69	0,291
20504022027	G3/4	20	32	38	63	54	80	39	108	0,690
20504022334	G1"	23	41	46	67	57	94	47	108	1,030
20504023242*	G1"1/4	32	55	60	97	115	112	59	180	2,433
20504023249*	G1"1/2	32	55	60	97	115	120	62	180	2,278
20504024049*	G1"1/2	40	55	55	104	-	111	55	190	2,558
20504024048*	G2"	40	70	70	104	-	122	61	190	2,754

Nickel-plated shot-blasted brass body

0446 double female thread, bulkhead



* For model G1 / 8 " : max.partition wall thickness is 3 mm
max operating pressure: 20 bar

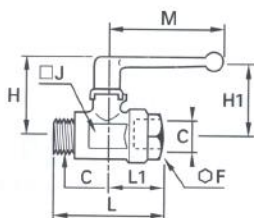
Code	C	\varnothing	F	F1	H	H1	L	L1	M	Weight
20504460410	G 1/8	4	14	22	37	14	44	25	48	0,101
20504460713	G1/4	7	19	24	45	19	53	28	48	0,189
20504461017	G3/8	10	24	27	50	21	59	31	69	0,291
20504461321	G1/2	13	27	27	51	23	67	34	69	0,335

Nickel-plated shot-blasted brass body

0401 male and female thread



* Models with the CE inscription
max operating pressure: 40 bar
CE



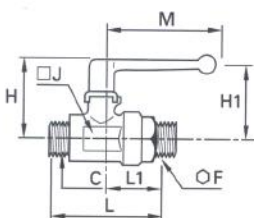
Code	C	\varnothing	F	H	H1	J	L	L1	M	Weight
20504010410	G 1/8	4	14	35	29	14	45	25	48	0,091
20504010510	G1/8	5	19	38	31	19	51	27	48	0,158
20504010713	G1/4	7	19	38	31	19	52	28	48	0,151
20504011017	G3/8	10	24	45	43	24	58	31	69	0,227
20504011321	G1/2	13	27	47	44	27	66	34	69	0,290
20504011827	G3/4	18	38	63	54	39	79	39	108	0,714
20504012334	G1"	23	46	67	57	48	91	47	108	1,028
20504013242*	G1"1/4	32	60	97	115	55	113	59	108	2,374

nickel-plated shot-blasted brass body

0400 double male thread



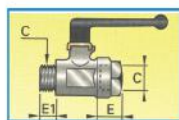
max operating pressure: 40 bar



Code	C	\varnothing	F	H	H1	J	L	L1	M	Weight
20504000410	G 1/8	4	14	35	29	14	45	25	48	0,091
20504000713	G1/4	7	19	38	31	19	60	36	48	0,163
20504001017	G3/8	10	24	45	43	24	70	43	69	0,251
20504001321	G1/2	13	27	47	44	27	78	45	69	0,327
20504001827	G3/4	18	38	63	54	39	90	50	108	0,770

nickel-plated shot-blasted brass body

Drill length (E) and thread length (E1)
Cylindrical BSP codes 0402-0446-0401 and 0400.



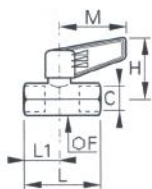
Straight light series valves

The light series valves allow a large number of fluids to be carried and are suitable for various current applications and low pressures and temperatures. Its constituents are identical to those of the universal series.

Technical characteristics

- max pressure of use: 12 bar
- max temperature of use: + 80°C

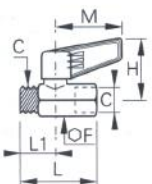
0492 double female thread



Code	C	\varnothing	F	H	L	L1	M	Weight
20504920413	G1/4	4	17	34	39,5	17	35	0,071
2050492041364*	G1/4	4	17	36	39,5	17	25	0,069
20504920717	G3/8	7	22	38	45	20	43	0,121
20504921021	G1/2	10	24	44	54	25	50	0,155
20504921327	G3/4	13	30	46	62	28	50	0,237

* short handle in Zamac.
nickel-plated shot-blasted brass body polymer H.R. handle

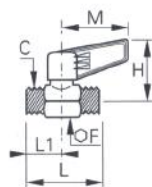
0491 male and female thread



Code	C	\varnothing	F	H	L	L1	M	Weight
20504910413	G1/4	4	17	34	39,5	17	35	0,071
2050491041364*	G1/4	4	17	36	39,5	17	25	0,069
20504910717	G3/8	7	22	38	45	20	43	0,118
20504911021	G1/2	10	24	44	54	25	50	0,154
20504911327	G3/4	13	30	46	62	28	50	0,228

* short handle in Zamac.
nickel-plated shot-blasted brass body polymer H.R. handle

0490 double male thread



Code	C	\varnothing	F	H	L	L1	M	Weight
20504900413	G1/4	4	17	34	39	17	35	0,070
20504900717	G3/8	7	22	38	44	20	43	0,108
20504901021	G1/2	10	24	44	53	24	50	0,152
20504901327	G3/4	13	30	46	59	25	50	0,218

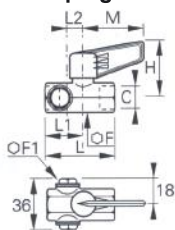
nickel-plated shot-blasted brass body polymer H.R. handle

>>> Universal brass valves

Straight light series valves

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

0494 double female thread with two vent plugs



Drill length (E) and cylindrical BSP threads length (E1) for codes 0492-0491-0490 and 0494.



Code	C	$\frac{1}{2}$	F	F1	H	L	L1	L2	L1	Weight
20504940717	G3/8	7	22	16	38	60	20	15	43	0,180

Light series models with square drive shaft can also be supplied.

C	G1/4	G3/8	G1/2	G3/4	G3/4
E	9	11	12	14	16,5
E1	7	8	10	12	12

Straight fluoropolymer series valves

Fluoropolymer series valves, equipped with PTFE fluoropolymer seals, are compatible with many fluids and are suited for different current applications. Full bore, it offers an excellent quality / price ratio.

Family 205

Technical characteristics

- operating temperature: -20°C to + 130°C
- nature of the constituent materials.
- body: nickel plated shot blast brass
- ball: nickel plated and hard chrome plated brass
- drive device: nickel plated brass
- handle: steel with blue plastic cover
- seat and drag seals: fluoropolymer PTFE

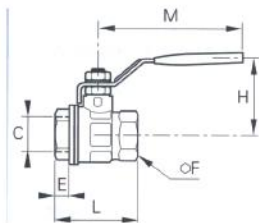
Coding:

- The reference numbers are based on a mnemonic code, where each valve is identified:
- by model series
 - by the passage
 - by the thread
 - by suffix (for semi-standards)

Coding example

4902 20 27
valve type passage thread

4902 double female thread



Code	C	$\frac{1}{2}$	PN	E	F	H	L	M	Weight
20549021013	G1/4	10	30	11	20	43	51,5	98	0,140
20549021017	G3/8	10	30	11,4	20	43	51,5	98	0,130
20549021521	G1/2	15	30	13,5	25	47	55	98	0,200
20549022027	G3/4	20	30	12,5	31	58	57,5	122	0,320
20549022534	G1"	25	30	15	38	60	69,5	122	0,490
20549023242*	G1"1/4	32	25	17	48	77	81,5	153	0,900
20549024049*	G1"1/2	40	25	18	54	83	95	153	1,350
20549025048*	G2"	50	25	22	66	95	113	162	1,800

* Models with registration

Universal series valves sealable by padlock



For users who have to prevent the dangerous consequences of untimely or thoughtless maneuvering, Legris has designed a range of **sealable valves**. Thanks to its different locking positions, this range allows compliance with safety regulations.

In each valve, two overlapping plates allow blocking.

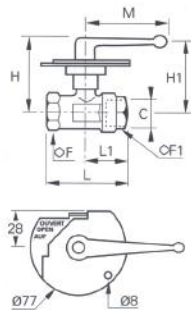
- the mobile top plate moves at the same time as the handle and the ball
- The bottom plate, fixed, remains in solidarity with the body.

Depending on the model, blocking is done:

- or in **open and closed position**, with a single padlock: models **0432** and **0439**.

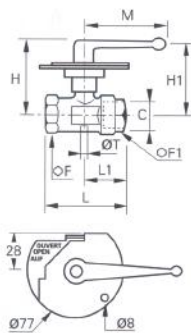
- either in a **single closed position**, by 1, 2 or 3 padlocks or "Catu" type pliers for multiple padlocks: models **0437** and **0438**.

0432 straight double female thread



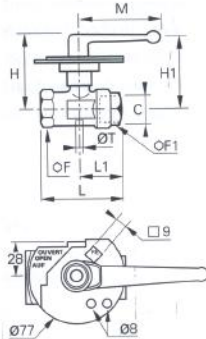
max operating pressure: 40 bar.
non-removable handle

0439 straight double female thread with free vent



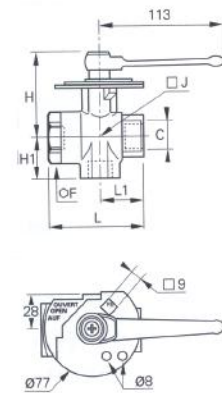
max operating pressure: 40 bar.
non-removable handle

0437 double female thread, straight, with free vent and three seal points



max operating pressure: 40 bar.
non-removable handle

0438 3-way, drilled in elbow with three seal points



max operating pressure: 20 bar.

Code	C	⌀	F	F1	H	H1	L	L1	M	Weight
20504320410	G 1/8	4	19	19	59	54	51	27	69	0,413
20504320710	G1/4	7	19	19	59	54	59	28	69	0,397
20504321017	G3/8	10	24	24	60	55	59	31	69	0,463
20504321321	G1/2	13	27	27	62	57	67	34	69	0,515
20504322027	G3/4	20	32	38	66	56	80	39	108	0,846
20504322334	G1"	23	41	46	70	59	94	47	108	1,174

nickel-plated shot-blasted brass body
fixed plate and movable plate: bichromate zinc plated steel

Code	C	⌀	F	F1	H	H1	L	L1	M	T	Weight
20504390410	G 1/8	4	19	19	59	54	51	27	69	2	0,420
20504390713	G1/4	7	24	24	60	55	59	31	69	2	0,480
20504391017	G3/8	10	24	24	60	55	59	31	69	2	0,459
20504391321	G1/2	13	27	27	62	57	67	34	69	2	0,511
20504391827	G3/4	18	32	38	66	56	80	39	108	2,5	0,834
20504392334	G1"	23	41	46	70	59	94	47	108	30	1,166

nickel-plated shot-blasted brass body
fixed plate and movable plate: bichromate zinc plated steel

Code	C	⌀	F	F1	H	L	L1	M	T	Weight
20504370713	G1/4	7	24	24	60	59	32	69,5	2	0,397
20504371017	G3/8	10	24	24	60	60	32	69,5	2	0,463
20504371321	G1/2	13	27	27	60	67,5	34,5	69,5	2	0,515
20504371827	G3/4	18	32	38	69,5	80	39,5	108,5	2,5	0,846
20504372334	G1"	23	41	46	73	94,5	47,5	108,5	3	1,174

nickel-plated shot-blasted brass body
fixed plate and movable plate: bichromate zinc plated steel

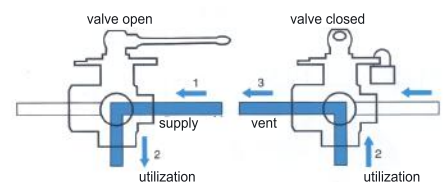
Code	C	⌀	F	H	H1	J	L	L1	Weight
20504380917	G3/8	9	38	76	34	39	73	35	0,905
20504381221	G1/2	12	38	76	37	39	78	38	0,896
20504381827	G3/4	18	38	76	40	39	80	40	0,845
20504382334	G1"	23	46	80	47	48	94	47	1,268

nickel-plated shot-blasted brass body
fixed plate: bichromate zinc plated steel
moving plate: steel, gray epoxy paint

Drilled underneath and elbow-drilled in the horizontal plane, these valves enable track 1 to track 2 and track 2 to track 3.

removable handle: in the case of a valve mounting on the side of a wall, it is possible to remove the handle and reassemble it in the opposite direction to the initial mounting.

* Models with the CE inscription



Length of cylindrical BSP threads (E) of codes 205.0432, 205.0439, 205.04337 and 205.0438



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19

>>> **Universal brass valves**



Straight universal series valves, with vent

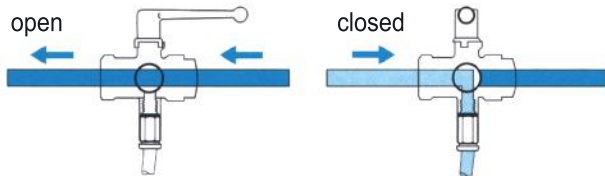
At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings



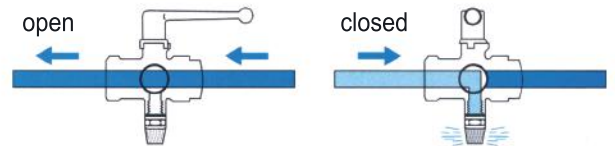
In installations where a shutdown of the fluid circulation and an outlet circuit purge are required, Legris has conceived a range of straight valves with vent and proposes two types:

- **threaded vent:** allows channeling leaks.
 - **free vent:** usable in all those cases where there are no particular contraindications.
- For this range, the direction of the fluid is unidirectional and is marked on the body of the valve with an arrow.

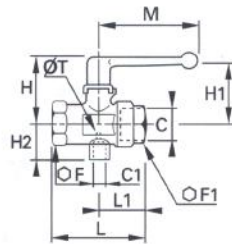
with channeled vent = vent without noise or pollution



with silencer = air vent, no noise



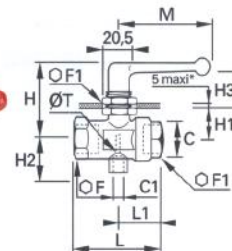
0489 double female thread, with threaded vent



Code	C	Ø C1	F	F1	H	H1	H2	L	L1	M	T	Weight	
20504890713	G1/4	7	M5x0,8	24	24	46	43	17	59	31	69	2	0,269
20504891017	G3/8	10	M5x0,8	24	24	46	43	17	59	31	69	2	0,294
20504891321	G1/2	13	G1/8	27	27	47	44	24	67	34	69	2	0,312
20504891827	G3/4	20	G1/4	32	38	63	54	33	80	39	108	2,5	0,754
20504892334	G1"	23	G1/4	41	46	67	57	37	94	47	108	3	1,088

max operating pressure: 40 bar.
Nickel-plated shot-blasted brass body

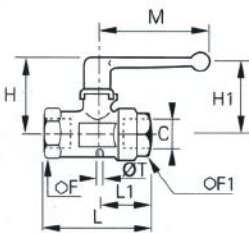
0449 double female thread, with bulkhead threaded vent



Code	C	Ø C1	F	F1	H	H1	H2	H3	L	L1	M	T	Weight	
20504490713	G1/4	7	M5x0,8	24	27	50	20	17	21	59	31	69	2,5	0,316
20504491017	G3/8	10	M5x0,8	24	27	50	20	17	21	59	31	69	2,5	0,298
20504491321	G1/2	13	G1/8	27	27	52	23	24	21	67	34	69	4	0,354

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

0469 double female thread, with free vent

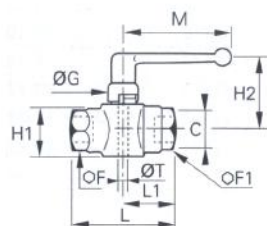


Code	C	Ø C1	F	F1	H	H1	L	L1	M	T	Weight
20504690410	G1/8	4	-	14	35	29	44	25	48	1,5	0,100
20504690713	G1/4	7	24	24	46	43	59	31	70	2	0,258
20504691017	G3/8	10	24	24	46	43	59	31	70	2	0,246
20504691321	G1/2	13	27	27	47	44	67	34	70	2	0,292
20504691827	G3/4	18	32	38	63	54	80	39	108	2,5	0,700
20504692324	G1"	23	41	46	67	57	94	47	108	3	1,020

max operating pressure: 40 bar.
Nickel-plated shot-blasted brass body

Straight universal series valves with fixin

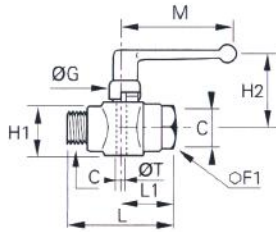
6402 double female thread



Code	C	Ø C1	F	F1	G	H1	H2	L	L1	M	T	Weight
20564020410	G1/8	4	14	14	18	18	30	44	25	48	4x70	0,126
20564020713	G1/4	7	19	19	19	24	31	53	28	48	5x80	0,215
20564021017	G3/8	10	24	24	20	30	45	59	31	69	5x80	0,319
20564021321	G1/2	13	27	27	20	34	47	67	34	69	6x100	0,391
20564022027	G3/4	20	32	38	27	44	52	80	39	108	8x125	0,823
20564022334	G1"	23	41	46	27	53	56	94	47	108	8x125	1,246

max operating pressure: 40 bar.
Nickel-plated shot-blasted brass body

6401 male and female thread



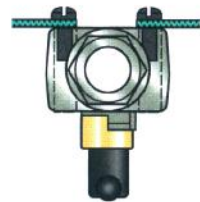
Code	C	ØG	F	G	H1	H2	L	L1	M	T	Weight
20564010410	G1/8	4	14	18	18	30	45	25	48	4x70	0,126
20564010713	G1/4	7	19	19	24	31	52	28	48	5x80	0,215
20564011017	G3/8	10	24	20	30	45	58	31	69	5x80	0,319
20564011321	G1/2	13	27	20	34	47	67	34	69	6x100	0,391

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

different fixing systems



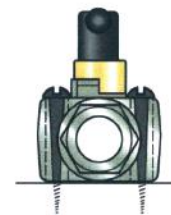
bulkhead on sheet and fixing by screws



on sheet with fixing by rear screw



on frame fixing by studs



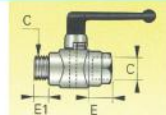
on wood panel fixing by screws for wood

Distance between centers of fixing holes



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
N	25	31	31	34	43	51

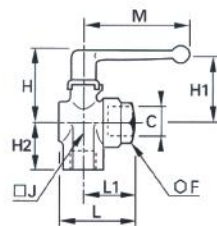
Drill length and cylindrical BSP threads length (E1) of codes 205.6402 and 205.6401



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19
E1	7	9	11	12		

Universal series elbow valves

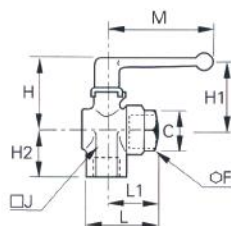
0472 double female thread



Code	C	ØG	F	H	H1	H2	J	L	L1	M	Weight
20504720410	G1/8	4	14	35	29	18	14	34	25	48	0,095
20504720610	G1/8	6	19	38	31	20	22	37	27	48	0,178
20504720613	G1/4	6	19	38	31	24	22	38	28	48	0,177
20504720917	G3/8	9	24	45	43	27	25	46	31	69	0,262
20504721221	G1/2	12	27	47	44	33	29	49	34	69	0,315
20504721827	G3/4	18	38	59	51	40	39	60	39	108	0,724
20504722334	G1"	23	46	63	55	47	48	72	47	108	1,080

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

0462 double female thread with free vent



Code	C	ØG	F	H	H1	H2	J	L	L1	M	Weight
20504620610	G1/8	6	19	38	31	20	22	37	27	48	0,175
20504620613	G1/4	6	19	38	31	24	22	38	28	48	0,175
20504620917	G3/8	9	24	45	43	27	25	46	31	69	0,265
20504621221	G1/2	12	27	47	44	33	29	49	34	69	0,310
20504621827	G3/4	18	38	59	51	40	39	60	39	108	0,730
20504622334	G1"	23	46	63	55	47	48	72	47	108	1,054

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body red handle



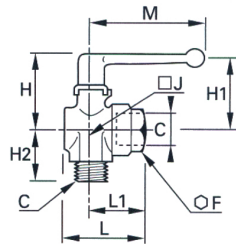
>>> **Universal brass valves**



Universal series elbow valves

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

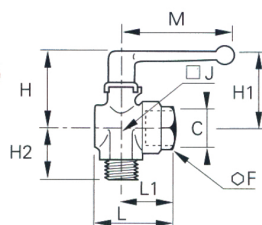
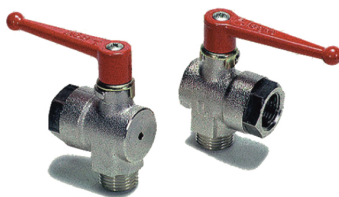
0471 male and female thread



Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504710410	G1/8	4	14	35	29	19	14	34	25	48	0,095
20504710610	G1/8	6	19	38	31	22	22	37	27	48	0,168
20504710613	G1/4	6	19	38	31	25	22	38	28	48	0,171
20504710917	G3/8	9	24	45	43	28	25	46	31	69	0,259
20504711221	G1/2	12	27	47	44	32	29	49	34	69	0,308
20504711827	G3/4	18	38	59	51	37	39	60	39	108	0,718
20504712334	G1"	23	46	63	55	44	48	72	47	108	1,020

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

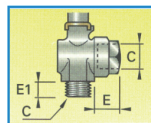
0461 male and female threads with free vent



Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504610610	G1/8	6	19	38	31	22	22	37	27	48	0,169
20504610613	G1/4	6	19	38	31	25	22	38	28	48	0,169
20504610917	G3/8	9	24	45	43	28	25	46	31	69	0,258
20504611221	G1/2	12	27	47	44	32	29	49	34	69	0,312
20504611827	G3/4	18	38	59	51	37	39	60	39	108	0,704

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body red handle

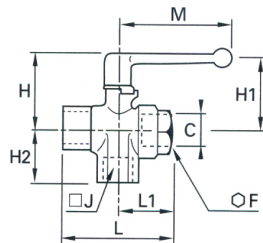
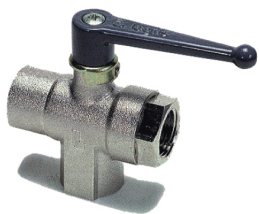
Drill length (E) and cylindrical BSP threads (E1) of the references 0472- 0462- 0471- 0461



	C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19	
E1	7	9	11	12	12	15	

Three-way universal series valves

0482 female thread, elbow passage

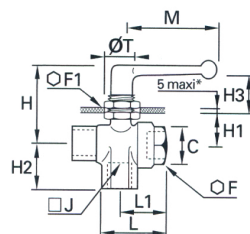


Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504820410	G1/8	4	14	35	29	18	14	44	25	48	0,110
20504820613	G1/4	6	19	38	31	24	22	53	28	48	0,187
20504820917	G3/8	9	24	45	43	27	25	59	31	69	0,285
20504821221	G1/2	12	27	47	44	33	29	67	34	69	0,351
20504821827	G3/4	18	38	59	51	40	39	80	39	108	0,386
20504822334	G1"	23	46	63	55	47	48	94	47	108	1,172

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body



0448 female thread, elbow passage, and bulkhead



Code	C	Ø	F	F1	H	H1	H2	H3	J	L	L1	M	T	Weight
20504480410	G1/8	4	14	22	37	14	18	12	14	44	25	48	16,5	0,122
20504480613	G1/4	6	19	24	45	19	24	14	22	53	28	48	20,5	0,224
20504480917	G3/8	9	24	27	50	21	27	21	25	59	31	69	20,5	0,324
20504481221	G1/2	12	27	27	51	23	33	21	29	67	34	69	20,5	0,398

max operating pressure: 20 bar.
* model G1 / 8: thickness max. from the wall = 3 mm
Nickel-plated shot-blasted brass body





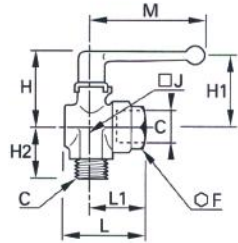
>>> Universal brass valves



Universal series elbow valves

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

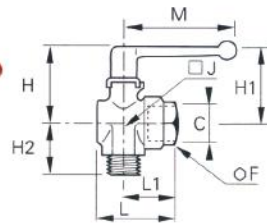
0471 male and female thread



Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504710410	G1/8	4	14	35	29	19	14	34	25	48	0,095
20504710610	G1/8	6	19	38	31	22	22	37	27	48	0,168
20504710613	G1/4	6	19	38	31	25	22	38	28	48	0,171
20504710917	G3/8	9	24	45	43	28	25	46	31	69	0,259
20504711221	G1/2	12	27	47	44	32	29	49	34	69	0,308
20504711827	G3/4	18	38	59	51	37	39	60	39	108	0,718
20504712334	G1"	23	46	63	55	44	48	72	47	108	1,020

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

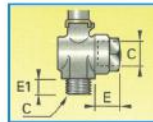
0461 male and female threads with free vent



Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504610610	G1/8	6	19	38	31	22	22	37	27	48	0,169
20504610613	G1/4	6	19	38	31	25	22	38	28	48	0,169
20504610917	G3/8	9	24	45	43	28	25	46	31	69	0,258
20504611221	G1/2	12	27	47	44	32	29	49	34	69	0,312
20504611827	G3/4	18	38	59	51	37	39	60	39	108	0,704

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body red handle

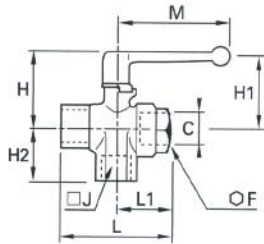
Drill length (E) and cylindrical BSP threads (E1) of the references 0472- 0462- 0471- 0461



	C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19	
E1	7	9	11	12	12	15	

Three-way universal series valves

0482 female thread, elbow passage

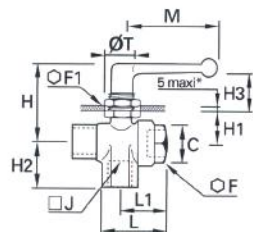


Code	C	Ø	F	H	H1	H2	J	L	L1	M	Weight
20504820410	G1/8	4	14	35	29	18	14	44	25	48	0,110
20504820613	G1/4	6	19	38	31	24	22	53	28	48	0,187
20504820917	G3/8	9	24	45	43	27	25	59	31	69	0,285
20504821221	G1/2	12	27	47	44	33	29	67	34	69	0,351
20504821827	G3/4	18	38	59	51	40	39	80	39	108	0,386
20504822334	G1"	23	46	63	55	47	48	94	47	108	1,172

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body



0448 female thread, elbow passage, and bulkhead



Code	C	Ø	F	F1	H	H1	H2	H3	J	L	L1	M	T	Weight
20504480410	G1/8	4	14	22	37	14	18	12	14	44	25	48	16,5	0,122
20504480613	G1/4	6	19	24	45	19	24	14	22	53	28	48	20,5	0,224
20504480917	G3/8	9	24	27	50	21	27	21	25	59	31	69	20,5	0,324
20504481221	G1/2	12	27	27	51	23	33	21	29	67	34	69	20,5	0,398

max operating pressure: 20 bar.
* model G1 / 8 : thickness max. from the wall = 3 mm
Nickel-plated shot-blasted brass body

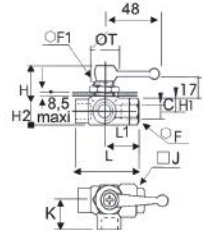


>>> Universal brass valves

At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

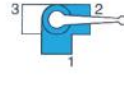
Three-way universal series valves

0452 female thread, elbow passage in the same plane, and bulkhead

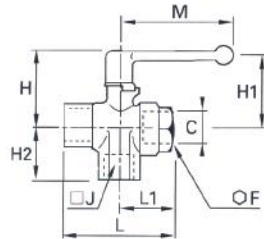


Code	C	⌀ F	F1	H	H1	H2	J	K	L	L1	T	Weight	
20504520410	G1/8	4	14	22	39	10	8	16	18	44	25	19	0,316
20504520613	G1/4	6	19	24	40	11	11	23	24	53	28	20	0,298

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

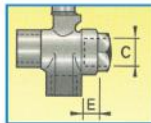


0483 female thread, tee passage and without closing position



Code	C	⌀ F	H	H1	H2	J	L	L1	M	Weight	
20504830410	G1/8	4	14	35	29	18	14	44	25	48	0,102
20504830613	G1/4	6	19	38	31	24	22	53	28	48	0,187
20504830917	G3/4	9	24	45	43	27	25	59	31	69	0,283
20504831221	G1/2	12	27	47	44	33	29	67	34	69	0,352
20504831827	G3/4	18	38	59	51	40	39	80	39	108	0,712
20504832334	G1"	23	46	63	55	47	48	94	47	108	1,090

max operating pressure: 20 bar.
Nickel-plated shot-blasted brass body

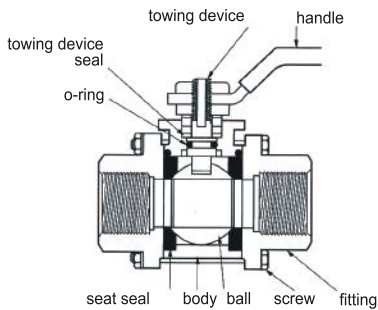


C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19

Length of cylindrical BSP threads (E) of codes 205.0482 - 205.4848 - 205.0452 - 205.0483

>>> Stainless steel universal valves

Stainless steel series valves



Stainless steel series valves allow numerous corrosive fluids to be carried and resist aggressive environments. Full flow and due to their "3-piece" design, they offer the possibility of lateral dismantling, which greatly facilitates all maintenance operations, while simultaneously allowing high pressures and temperatures, these valves adapt to various fields of application.

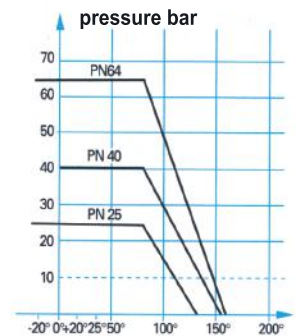
Nature of the constituent materials:

- body, ball, fittings, towing device: AISI 316 stainless steel
- handle, washer with notch, handle stop: AISI 304 stainless steel
- nuts, cable gland washer: AISI 303 stainless steel
- screw: stainless steel AISI 305
- seat seals, drive seal, anti-friction washer: PTFE
- O-ring: FKM

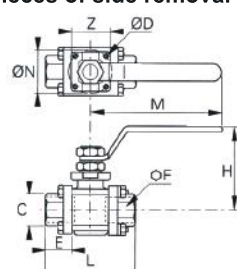
Pressure and temperature resistance of 4832 stainless steel series valves

- examples: at 100°C,
- PN 64 withstand 48 bar
 - PN 40 withstand 30 bar
 - PN 25 withstand 17 bar

For temperatures between 150° and 200°C, please contact us.



4832 double female thread, 3 pieces of side removal



Code	C	⌀ PN	⌀ D	E	F	H	L	M	N	Z	Weight
20548321013	1/4	10	64	-	18	22	50	57	110,5	-	0,425
20548321017	3/8	10	64	-	18	22	50	57	110,5	-	0,400
20548321521	1/2	15	64	6	20,5	27	64	65	131,5	36	0,370
20548322027	3/4	20	40	5,5	22,5	32	68	76	131,5	42	0,555
20548322534	1"	25	40	6	27	41	78,5	92	174,5	42	1,035
20548323242*	1" 1/4	32	25	5,5	30	50	83,5	106,5	174,5	42	1,465
20548324049*	1" 1/2	40	25	6,5	31	55	100	116	250,5	50	1,995
20548325048*	2"	50	25	6,5	36	70	107	136	250,5	50	3,140

* models with registration





>>> Stainless steel universal valves



AISI 303 stainless steel series valves

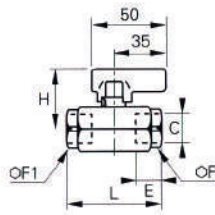
At www.rodavigo.net Family: Pneumatics
Product: Legris pneumatic fittings

Very compact, this series of stainless steel valves allows to transport numerous aggressive fluids, at pressures not exceeding 20 bar

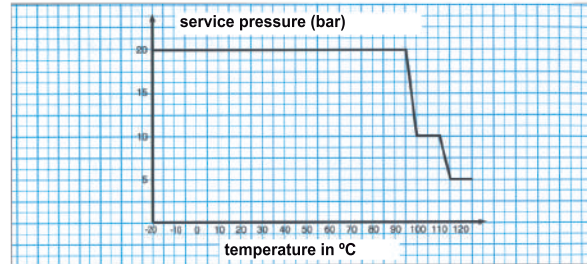
Nature of the constituent materials:

- body, ball, fittings, towing device: AISI 303 stainless steel
- handle: nickel plated brass
- seat seals, drive seal, o-ring: PTFE

0465 double female thread

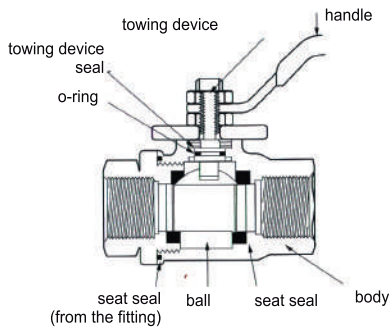


Pressure and temperature resistance of 18/10 stainless steel series valves



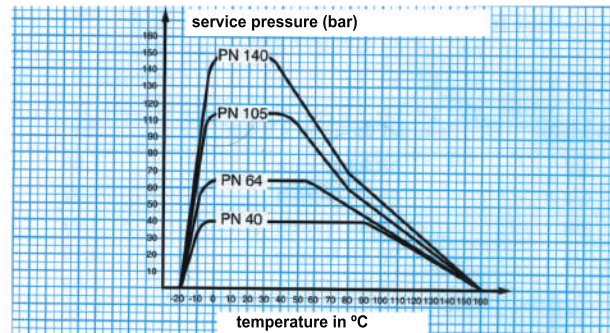
Code	C	DN	E	F	F1	H	L	Weight
20504650413	G1/4	4	13	19	24	36	50	0,224
20504650717	G3/8	7	13	24	27	39	55	0,278
20504651021	G1/2	10	16	27	30	40	62	0,323

Stainless steel series valves



Stainless steel series valves allow numerous corrosive fluids to be carried and resist aggressive environments. Full flow and monobloc construction in AISI 316 stainless steel, these valves simultaneously allow high pressures and temperatures, these valves adapt to various fields of application.

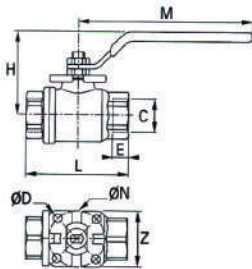
Pressure and temperature resistance of stainless steel 4812 and 4810 series valves



Nature of the constituent materials:

- body, ball, fittings, towing device: AISI 316 stainless steel
- handle, washer with notch, handle stop: AISI 304 stainless steel
- nuts, cable glands washer: AISI 303 stainless steel
- seat seals, drive seal, union seal, anti-friction washer: PTFE
- O-ring: FKM

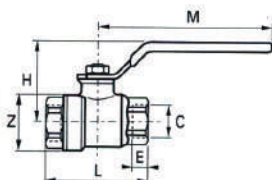
4812 double female thread, monobloc



Code	C	DN	PN	ØD	E	H	L	M	ØN	Z	Weight
20548121013	1/4	10	140	5,5	10	50	55	110	36	36	0,260
20548121017	3/8	10	140	5,5	11,4	50	55	110	36	36	0,240
20548121521	1/2	15	140	5,5	15	53	66	110	36	36	0,320
20548122027	3/4	20	105	5,5	16,3	67	79	130	42	42	0,540
20548122534	1"	25	105	5,5	19,1	79	93	175	42	42	0,990
20548123242*	1" 1/4	32	42	5,5	21,4	83	100	175	42	42	1,340
20548124049*	1" 1/2	40	42	5,5	21,4	100	110	250	50	50	2,140
20548125048*	2"	50	42	8,5	25,7	107	131	250	70	70	3,360

* models with registration **CE**

4810 double female thread, light series



Code	C	DN	PN	E	H	L	M	Z	Weight
20548100813	G1/4	8	64	10	44,5	53,5	110,5	30	0,220
20548101017	G3/8	10	64	10	44,5	53,5	110,5	30	0,200
20548101521	G1/2	15	64	13	47	60	110,5	32,5	0,250
20548102027	G3/4	20	40	14	54,5	70	131,5	40	0,450
20548102534	G1"	25	40	17	58,5	79	131,5	49	0,850

Models 4832 and 4812. This valve incorporates a threaded fixing base that allows mounting of pneumatic or electric actuators. The dimensioning of mentioned threaded base is conforming to ISO 5211. Threads conforming to ISO 7/1 (Rp).

>>> Suction cups

At www.rodavigo.net

Family: Pneumatics
Product: Piab material

Suction cups

A suction cup for each application

Universal suction cup for flat and slightly curved surfaces, suction cup with bellows for height adjustment, suction cup with internal reinforcements to prevent deformation of manipulated objects, deep suction cup for curved and irregular surfaces, suction cup with soft rubber profile to handle rough, irregular objects and difficult to handle, oval suction cup for elongated objects. There are no limits to the possibilities offered by our wide assortment of suction cups.



B-Suction cup with short bellows

- ▶ Suitable for level adjustment.
- ▶ Lifting movement to separate small items.
- ▶ Only light weight objects should be handled when the lifting force is parallel to the surface.
- ▶ Since conductive silicone B5 and B8 must be grounded to conduct current outward, the fitting must be made of conductive material.



Technical data

Reference	Material and hardness				Vertical lifting force N, at vacuum level		
	Chloroprene TWO	Silicone, SIL	Nitrile-PVC NPV	Conductive silicone, CSIL	20-kPa	60-kPa	90-kPa
B5	50°	50°	50°	50°	0,3	0,8	1,0
B8					0,8	1,6	2,5
B102					1,5	3,4	4,9
B52					2,9	5,9	8,9
B20					5,9	9,8	14
B302					12	22	27
B40					22	39	49
B502					33	65	82
B752					74	167	226
B11B1102					137	343	461
B150					294	686	883

Material properties

Material	Wear resistance	Oil	Time and ozone	Hydrolysis	Material	Acids conc.	Alcohol	Oxidation	Operating temperature
TWO	Excellent	Good	Very good	Very good	Good	Inadequate	Very good	Very good	-40°C/ 110°C
SIL	Very good	Inadequate	Excellent	Good	Inadequate	Inadequate	Very good	Excellent	-70°C/ 200°C
NPV	Excellent	Excellent	Very good	Very good	Excellent	Good	Very good	Very good	0°C/ 90°C
CSIL	Very good	Inadequate	Excellent	Good	Inadequate	Inadequate	Very good	Excellent	-55°C/ 230°C



>>> Suction cups

Suction cups

At www.rodavigo.net Family: Pneumatics
Product: Piab material



F - Flat suction cup with internal reinforcement

- ▶ Suitable for flat surfaces.
- ▶ Good stability and little inherent movement.
- ▶ The reinforcements prevent the object from being sucked into the suction cup and deformed.
- ▶ Suitable for both parallel and vertical lifts, as reinforcements offer increased friction.

Suction cup F can be provided with a conical valve to increase safety and speed operating.



Technical data

Reference	Material and hardness			Vertical lifting force N, at vacuum level			Vertical lifting force N, at vacuum level		
	Chloroprene TWO	Silicone, SIL	Nitrile-PVC NPV	20-kPa	60-kPa	90-kPa	20-kPa	60-kPa	90-kPa
F15	50°	50°	50°	3.5	8.5	11	3.5	6.5	7.5
F20	•	•		6.0	14	19	5.0	8.0	8.5
F25	•	•		9.0	19	25	8.0	9.0	10
F302	•	•		12	25	31	11	16	20
F402		•	•	20	40	50	15	25	30
F502		•	•	36	74	96	24	40	50
F75		•	•	80	200	270	60	110	140
F110		•	•	140	420	560	140	250	300
F150		•	•	300	850	1100	250	600	800

Material properties

Material	Wear resistance	Oil	Time and ozone	Hydrolysis	Acids conc.	Alcohol	Oxidation	Operating temperature
TWO	Excellent	Good	Very good	Very good	Good	Inadequate	Very good	-40°C/ 110°C
SIL	Very good	Inadequate	Excellent	Good	Inadequate	Inadequate	Excellent	-70°C/ 200°C
NPV	Excellent	Excellent	Very good	Very good	Excellent	Good	Very good	0°C/ 90°C

>>> Suction cups

At www.rodavigo.net

Family: Pneumatics
Product: Piab material

Suction cups



U - Universal Suction Cup

- ▶ Suitable for curved, irregular and concave surfaces.
- ▶ Also for fastening around corners and edges.
- ▶ Since conductive silicone U2 and U3 must be grounded to conduct the current out, the fitting must be made of conductive material.

Technical data

Reference	Material and hardness				Vertical lifting force N, at vacuum level			Vertical lifting force N, at vacuum level		
	Chloroprene TWO	Silicone, SIL	Nitrile-PVC NPV	Conductive silicone, CSIL	20-kPa	60-kPa	90-kPa	20-kPa	60-kPa	90-kPa
	50°	50°	50°	50°						
U2	●	●		●	0,03	0,1	0,15	-	-	-
U3	●	●		●	0,09	0,42	0,65	-	-	-
U4	●	●			0,2	0,9	1,3	0,2	0,8	1,0
U6	●	●			0,5	1,7	2,5	0,5	1,5	2,0
U8	●	●			1,0	2,9	3,9	1,0	2,9	3,4
U10	●	●			1,5	4,4	6,9	1,5	4,4	4,9
U15	●	●			3,5	8,4	11	3,5	5,4	5,9
U20	●	●			5,9	12	16	5,9	8,8	9,8
U30		●	●		12	25	30	7,8	9,8	11
U402		●	●		20	39	49	14	22	27
U502		●	●		35	73	92	20	37	44

Material properties

Material	Wear resistance	Oil	Time and ozone	Hydrolysis	Gasoline	Acids conc.	Alcohol	Oxidation	Operating temperature
TWO	Excellent	Good	Very good	Very good	Good	Inadequate	Very good	Very good	-40°C-110°C
SIL	Very good	Inadequate	Excellent	Good	Inadequate	Inadequate	Very good	Excellent	-70°C-200°C
NPV	Excellent	Excellent	Very good	Very good	Excellent	Good	Very good	Very good	0°C-90°C
CSIL	Very good	Inadequate	Excellent	Good	Inadequate	Inadequate	Very good	Excellent	0°C-90°C



OC - Oval, concave suction cup

- ▶ Thick and durable edge
- ▶ Suitable for handling long objects with flat or curved surfaces.

Technical data

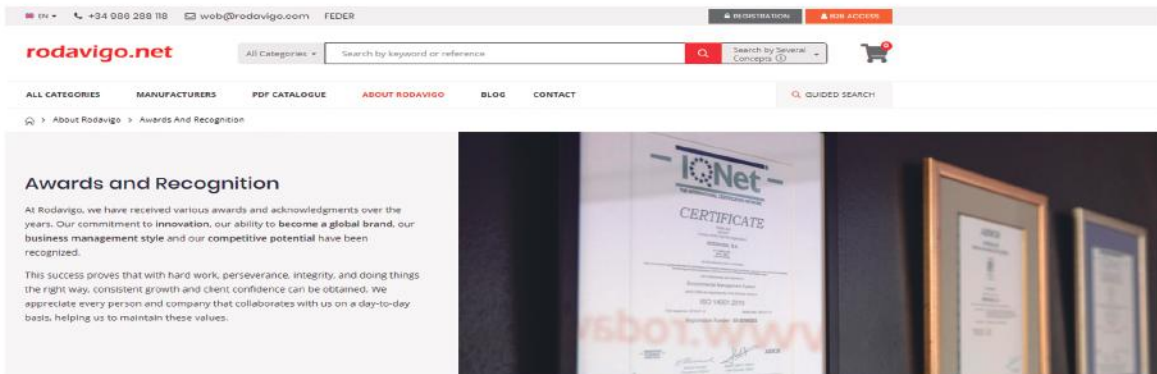
Reference	Material and hardness	Vertical lifting force N, at vacuum level			Vertical lifting force N, at vacuum level		
	Nitrile-PVC, NPV	20-kPa	60-kPa	90-kPa	20-kPa	60-kPa	90-kPa
	50°						
OC60x140	●	132	373	520	186	373	510

Material properties

Wear resistance	Oil	Time and ozone	Hydrolysis	Gasoline	Acids conc.	Alcohol	Oxidation	Operating temperature
Excellent	Excellent	Excellent	Inadequate	Inadequate	Inadequate	Very good	Very good	-20°C/ 80°C

www.rodavigo.net

Updated data, the only useful information



ARDAN
PREMIO A LA EXCELENCIA EMPRESARIAL 2019
RODAMIENTOS VIGO, S.A.

Business Excellence Award
2019
This recognition is obtained by the 0.07% of Galician companies which have achieved 4 or more ARDAN indicators in a single year.

<p>High Productivity 2019 Productivity has two fundamental sources: innovation and the capacity for business organization.</p>	<p>Wealth Generator 2019 Every business organization aims to generate value, being useful for society.</p>
<p>Innovative Company 2019 Diagnosis of the R+D Business of Rodavigo.</p>	<p>Global Company 2019 Business internationalization in perspective: approach and conceptualization.</p>
<p>Innovative SME 2019 Recognition accredited by the Ministry of Science, Innovation and Universities of the Government of Spain.</p>	<p>Innovative Company 2018 Effort in internal R&D, Training in R&D, Technology in processes, Labor productivity or Return of R&D.</p>
<p>Competitive Potential 2018 Ability to compete in a sustainable way, through factors related to Strategic Change, Business, Systems...</p>	<p>Well Managed 2017 To measure the performance of the company is valued: market, innovation, productivity, liquidity, value and profitability.</p>
<p>Global Company 2016 We present values related to the internationalization process, such as the countries to which Rodavigo exports.</p>	<p>Internationalized Company 2012 During 2011 Rodavigo sales have grown at a rate of 25% thanks to the e-commerce platform.</p>

The information displayed on www.rodavigo.net is updated daily from our databases. This is the only way to guarantee true and valid information at all times.

Because updated information is the only one that has value.