



**PNEUMAX**



## **HP SERIES**

**HIGH PRESSURE  
PUSH-IN FITTINGS**



## Brass high pressure push-in fittings

# HP Series



The High Pressure brass push-in fittings series can be used with oils and greases in lubrication and greasing systems, with a maximum pressure of 250 bar thanks to a special crimping gripper. They are available with different threads UNI ISO 7/1 UNI ISO 228/1 and are suitable for rigid and semi-rigid hoses commonly used in lubrication.

### Ordering code

**01 HP 04 018C**

#### MODEL TYPE

- 01** = Straight male push-in fitting
- 15** = Swivel elbow push-in fitting

#### SERIES

- HP** = High pressure push-in fitting

#### TUBE CONNECTION

- 04** = Tube diameter (mm)
- 06** = Tube diameter (mm)

#### THREADED CONNECTION

- 018C** = Gc 1/8" (UNI ISO7/1)
- 014C** = Gc 1/4" (UNI ISO7/1)
- 0516** = 5/16" 24UNF
- 675D** = M6x0,75 Parallel
- 0061** = M6x1 Tapered
- 061D** = M6x1 Parallel
- 0081** = M8x1 Tapered
- 081D** = M8x1 Parallel
- 0101** = M10x1 Tapered
- 101D** = M10x1 Parallel
- 0121** = M12x1 Tapered
- 0010** = M10x1 with O-Ring
- 0018** = G1/8" with O-Ring

## Advantages



**Higher productivity:** designed to minimize downtimes



**Reduced operating costs:** less energy consumption (less friction), less spare parts, less maintenance.



**Less wear and tear:** monitored dosage to avoid risks of excessive or partial lubrication.



**Better security:** no need for the operator to get close to dangerous or inaccessible areas

## The ideal solution for all lubrication and greasing systems

The High pressure push-in fittings are fundamental components to avoid leakages in systems that operate with fluids at high pressures, guaranteeing safety and efficiency in the circuits. They are suitable for different environments such as:

- **Air-oil lubrication circuits**
- **Control of critical flows**
- **Minimal lubrication**
- **Lubrication of oil catenaries and bearings**
- **High pressure sterilization and cleaning processes**



### Application sectors

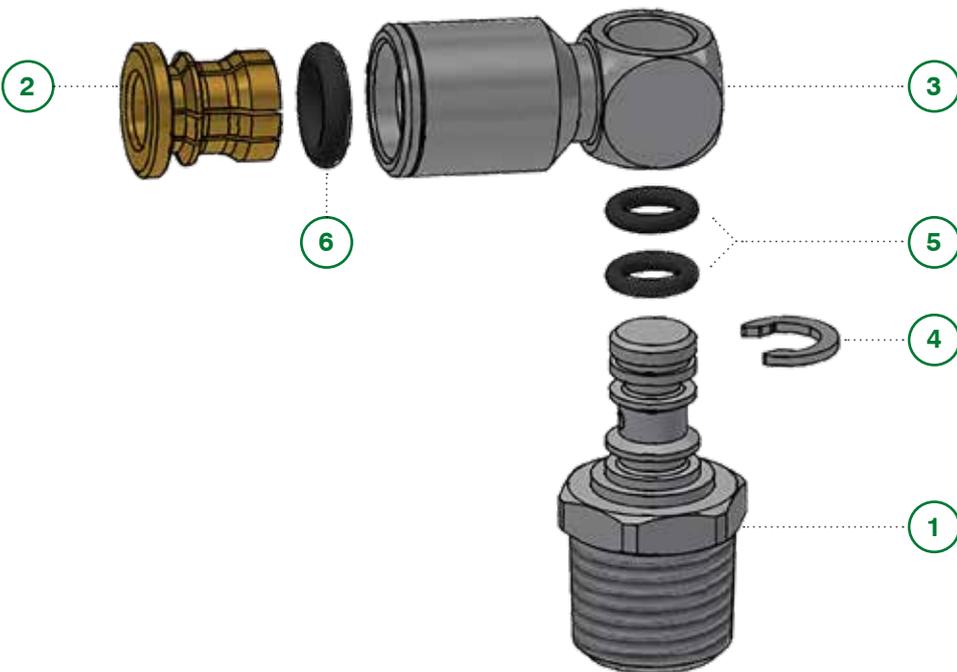
- Energy
- Machine Tools
- Agricultural machinery
- Woodworking
- Glass, Stone
- Earthmovers
- Packaging
- Off- shore
- Transports
- Iron and Steel



## Data sheet

<b>FLUIDS</b>	Oil and grease for lubrication.	
<b>APPLICATIONS</b>	Centralised lubrication and greasing systems such as in: industrial automation, heavy industry, heavy transport, construction machinery and agricultural vehicles.	
<b>WORKING PRESSURE</b>	0 ... 150 Bar	
<b>MAXIMUM PRESSURE*</b>	250 Bar	
<b>RECOMMENDED TUBES**</b>	PA6-6; High pressure hose with metal end terminal.	
<b>TUBE TOLERANCES</b>	±0,07 mm until Ø6 mm	
<b>TEMPERATURE</b>	-20°C ... +80°C	
<b>THREAD TYPE</b>	M5; M6x0,75; M6x1; M8x1; M10x1; M12x1. ISO7/1 (BSPT): R1/8" - R1/4" ISO 228/1 (BSPP) G1/8" - G1/4"	
<b>MATERIALS</b>	Body	Nickel plated brass
	Spring	Brass
	Seals	NBR
<b>IMPORTANT NOTE</b>	*	The maximum working pressure value is influenced by the type of hose used and by the temperature, which can significantly reduce the burst pressure of the hose.
	**	If the fitting is used with a metal terminal, in case of disassembly, it is not recommended to use the same fitting with plastic pipes.

## Components



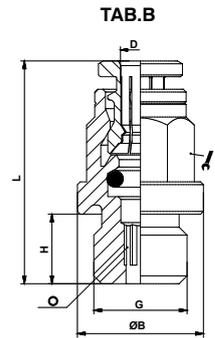
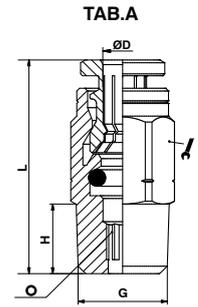
<b>1</b>	Stem for swivel banjo - Steel	<b>3</b>	Swivel banjo - Brass	<b>5</b>	OR - NBR
<b>2</b>	Crimping gripper - Brass	<b>4</b>	Locking ring - Steel	<b>6</b>	OR - NBR

ART. **01HP**

**Straight male**



COD.	ØD	G	ØB	H	L	Tav.				
01HP04675D	4	M6x0,75 Parallel	*	6,0	25,0	A	10	2,5	100	10,00
01HP040061	4	M6x1	*	8,0	27,0	A	10	2,5	100	10,00
01HP040081	4	M8x1	*	8,0	24,0	A	10	3,0	100	10,00
01HP040516	4	5/16"	*	8,0	24,0	A	10	3,0	100	10,00
01HP040101	4	M10x1	*	8,0	23,0	A	11	3,0	100	10,00
01HP040010	4	M10x1	13,5	7,5	24,0	B	10	3,0	100	10,00
01HP040018	4	G1/8"	13,5	7,5	24,0	B	10	3,0	100	12,00
01HP04018C	4	R1/8"	*	7,5	23,0	A	10	3,0	100	10,00
01HP060061	6	M6x1	*	8,0	29,0	A	12	2,5	100	10,00
01HP060081	6	M8x1	*	8,0	29,0	A	12	4,0	100	14,00
01HP060516	6	5/16"	*	8,0	29,0	A	12	4,0	100	14,00
01HP060101	6	M10x1	*	8,0	25,0	A	12	4,0	100	10,00
01HP060010	6	M10x1	13,5	7,5	27,0	B	12	4,0	100	15,00
01HP060121	6	M12x1	*	9,0	26,0	A	13	4,0	100	20,00
01HP06018C	6	R1/8"	*	7,5	25,0	A	12	4,0	100	10,00
01HP06014C	6	R1/4"	*	11,0	27,0	A	14	4,0	100	20,00
01HP060018	6	G1/8"	13,5	7,5	27,0	B	12	4,0	100	14,00

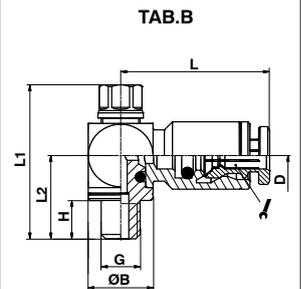
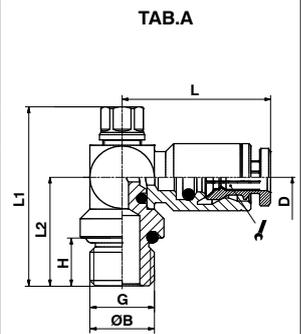


ART. **15HP**

**Swivel elbow**



COD.	ØD	G	ØB	H	L	L1	L2	Tav.			
15HP04675D	4	M6x0,75 Parallel	10,0	6,0	23,0	24,0	13,0	A	6	100	18,00
15HP040061	4	M6x1 Tapered	10,0	8,0	23,0	26,0	13,0	A	6	100	20,00
15HP04061D	4	M6x1 Parallel	10,0	8,0	23,0	26,0	15,0	A	6	100	18,00
15HP040081	4	M8x1 Tapered	10,0	8,0	23,0	26,0	15,0	A	6	100	19,00
15HP040516	4	5/16"	10,0	8,0	23,0	26,0	15,0	A	6	100	19,00
15HP040101	4	M10x1 Tapered	10,0	8,0	23,0	26,0	15,0	A	6	100	20,00
15HP040010	4	M10x1 Parallel	13,0	7,5	23,0	28,0	17,0	B	6	100	22,00
15HP04018C	4	R1/8"	10,0	7,5	23,0	25,0	14,0	A	6	100	20,00
15HP040018	4	G1/8"	13,0	7,5	23,0	27,0	16,0	B	6	100	20,00
15HP060061	6	M6x1 Tapered	10,0	8,0	25,0	26,0	15,0	A	6	100	20,00
15HP06061D	6	M6x1 Parallel	10,0	8,0	25,0	26,0	15,0	A	6	100	20,00
15HP060081	6	M8x1 Tapered	10,0	8,0	25,0	26,0	15,0	A	6	100	20,00
15HP060516	6	5/16"	10,0	8,0	25,0	26,0	15,0	A	6	100	20,00
15HP060101	6	M10x1 Tapered	10,0	8,0	25,0	26,0	15,0	A	6	100	20,00
15HP060010	6	M10x1 Parallel	13,0	7,5	25,0	28,0	17,0	B	6	100	20,00
15HP060121	6	M12x1 Tapered	13,0	8,0	25,0	26,0	15,0	A	6	100	24,00
15HP06018C	6	R1/8"	10,0	7,5	25,0	25,0	14,0	A	6	100	20,00
15HP060018	6	G1/8"	13,0	7,5	25,0	27,0	16,0	B	6	100	23,00
15HP06014C	6	R1/4"	*	11,0	25,0	28,0	20,5	A	14	100	27,00





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