

**RAPID Fittings Nickel-Plated Brass (Push-on)**



**Rapid brass**

Operating pressure: Technical vacuum up to maximum pressure as stated in the respective specification table under PN.  
 Temperature range: -40 °C to +120 °C  
 (for restrictions see specification table)

**Application**

RAPID fittings are used with aggressive gaseous and liquid media, where elastomer seals are not resistant. With guide cone and Cap nut these fittings are particularly suited to very harsh operating conditions.

**CHARACTERISTICS**

**BODY MATERIAL / SUITABILITY**

<b>Nickel-plated brass</b>	CuZn39Pb3, galvanically nickel-plated. Suitable for many neutral gaseous and liquid media, especially compressed air, water, hydraulic oil etc. Special version chemically nickel-plated with FKM seal ring, FDA compliant.
Other materials	see relevant products

**TUBE**

Outside diameter [mm]	4.3/3   5/3   6/4   8/6   10/8	11.5/9   12/9   12/10   15/12.5   17.6/13
Permitted tolerance outside D	±0.1	±0.15
Permitted tolerance inside d	±0.1	±0.15
Permitted wall thickness tolerance	±0.1 With very soft tubes, for example PVC tubes, variations in the outside diameter or wall thickness of up to + 5/10 are allowable. In case of doubt please ask.	
Permitted grades	Polyamide (PA), polyurethane (PU), polyethylene (PE), fabric reinforced PVC, fluoropolymer (FEP) (PFA)	
<b>THREAD</b>		
External thread	"M" cylindrical thread: Metric ISO thread M5, M6 and M7.	
External thread	"G" cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 to G 1/2.	
External thread	"R" cylindrical thread: Whitworth pipe thread DIN 2999-1 and ISO 7/1 R 1/8 to R 1/2. Dimensions constructed so there can be pairing with internal thread according to DIN ISO 228-1.	
Internal thread	"G" cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 to G 1/2.	

**OPERATING PRESSURE / TEMPERATURE**

Metal version	<table border="1"> <tr> <td>PN</td> <td>T<sub>min</sub> -40 °C</td> <td rowspan="2">Means that the fitting can be used up to the given nominal pressure PN within the specified temperature range "T". <b>Allowable operating pressure and operating temperature of pipe/tube must be observed!</b></td> </tr> <tr> <td>25</td> <td>T<sub>max</sub> +120 °C</td> </tr> </table>	PN	T <sub>min</sub> -40 °C	Means that the fitting can be used up to the given nominal pressure PN within the specified temperature range "T". <b>Allowable operating pressure and operating temperature of pipe/tube must be observed!</b>	25	T <sub>max</sub> +120 °C
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25	T <sub>max</sub> +120 °C					

**THREAD SEAL**

Cylindrical threaded nipple Seal with sealing rings made of copper, fibre, aluminium, polyamide or hard PVC.

Conical threaded nipple External thread self-sealing with pre-coating "D" Film with non-reactive mineral solid materials, non-adhesive. Resistant to air, water, motor oils etc. in temperature range of -40 °C to +120 °C.

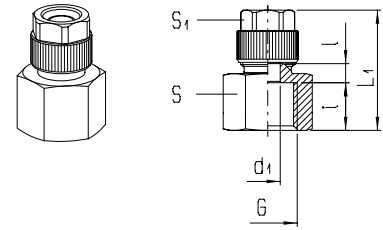
Straight, 90° elbow and T-adaptors, male not suitable for rotating or oscill. movements Some types of fittings are 360°-swivelling to facilitate adjustment during assembly.

## Straight Adaptor - Female

Product group	<b>11</b>	PN	25	T <sub>min</sub>	-40 °C	T <sub>max</sub>	+120 °C	Cylindrical thread	Nickel-plated brass
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for tube D/d	G	i	L1*	l	d1	S1	S	Weight in [g]	Type	Order number	Price
4.3/3	G 1/8	8	21	-	2.2	7	13	10.3	146M-43/3-1/8	300806	o. r.
5/3	G 1/8	8	21	-	2.2	7	13	10.3	146M-5/3-1/8	300809	o. r.
6/4	G 1/8	8	24	7	5.5	10	13	15.3	146M-6/4-1/8	300814	o. r.
6/4	G 1/4	10.5	26.5	7	5.5	10	17	21.1	146M-6/4-1/4	300815	o. r.
8/6	G 1/8	8	24	7	5.5	12	13	17.5	146M-8/6-1/8	300820	o. r.
8/6	G 1/4	10.5	26.5	7	5.5	12	17	26.4	146M-8/6-1/4	300821	o. r.
8/6	G 3/8	11.5	27.5	7	6.5	12	19	23.7	146M-8/6-3/8	300822	o. r.
8/6	G 1/2	15	31.5	7	6.5	12	24	38.2	146M-8/6-1/2	300823	o. r.
10/8	G 1/4	10.5	28	-	7	13	17	27.7	146M-10/8-1/4	300830	o. r.
10/8	G 3/8	11.5	29	-	7	13	19	29.6	146M-10/8-3/8	300831	o. r.
10/8	G 1/2	15	33	-	7	13	24**	42.6	146M-10/8-1/2	300832	o. r.
11.5/9	G 3/8	11.5	30.5	-	7.5	15	19	32.2	146M-115/9-3/8	300834	o. r.
12/9	G 3/8	11.5	30.5	-	7.5	15	19	31.7	146M-12/9-3/8	300837	o. r.

## Illustration



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