

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

Nickel-plated brass 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
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Permitted tolerance outside D	±0.1	±0.15
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Permitted tolerance inside d	±0.1	±0.15
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Permitted wall thickness tolerance	±0.1	±0.15
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Permitted wall thickness tolerance 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)

THREAD

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	PN 25	T _{min} -40 °C T _{max} +120 °C	Means that the fitting can be used up to the given nominal pressure PN within the specified temperature range "T". Allowable operating pressure and operating temperature of pipe/tube must be observed!
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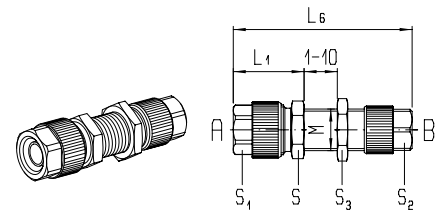
THREAD SEAL

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.
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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.
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Straight Bulkhead Fitting													Illustration	
Product group	11	PN 25	T -40 °C T _{max} +120 °C										Nickel-plated brass	
for tube A D/d	for tube B D/d	M	L1*	L6*	S1	S2	S3	S	Weight in [g]	Type	Order number	Price		
4.3/3	4.3/3	M7x0.75	14	35	7	7	10	8	10.4	159M-43/3	303003	o. r.		
5/3	4.3/3	M7x0.75	14	35	7	7	10	8	10.4	159M-5/3-43/3	303005	o. r.		
5/3	5/3	M7x0.75	14	35	7	7	10	8	10.4	159M-5/3	303006	o. r.		
6/4	4.3/3	M7x0.75	17	38	10	7	10	12	16.5	159M-6/4-43/3	303008	o. r.		
6/4	5/3	M7x0.75	17	38	10	7	10	12	16.5	159M-6/4-5/3	303009	o. r.		
6/4	6/4	M10x1	17	43	10	10	13	12	24.9	159M-6/4	303010	o. r.		
8/6	6/4	M10x1	17	43	12	10	13	12	27.5	159M-8/6-6/4	303011	o. r.		
8/6	8/6	M12x1	17.5	43.5	12	12	17	14	33.9	159M-8/6	303012	o. r.		
10/8	6/4	M10x1	19	45	13	10	13	14	30.3	159M-10/8-6/4	303013	o. r.		
10/8	8/6	M12x1	19	45	13	12	17	14	37.7	159M-10/8-8/6	303014	o. r.		
10/8	10/8	M14x1	19.5	47.5	13	13	17	17	41.1	159M-10/8	303015	o. r.		
11.5/9	11.5/9	M16x1	21	50	15	15	19	19	63	159M-115/9	303016	o. r.		
12/9	12/9	M16x1	21	50	15	15	19	19	60	159M-12/9	303017	o. r.		
12/10	12/10	M16x1	21	50	15	15	19	19	58	159M-12/10	303019	o. r.		
15/12.5	15/12.5	M20x1	24	55	19	19	24**	22	96	159M-15/125	303023	o. r.		
17.6/13	17.6/13	M20x1	24	55	19	19	24**	22	106	159M-176/13	303025	o. r.		



* approximate with fastened cap nut ** S24 = octagon