



rspro.com

PUSH IN FITTINGS

AIR / FLUID RANGE

PRODUCT RANGE GUIDE



RS PRO AIR / FLUID PUSH IN FITTINGS SERIES



ABOUT THIS RANGE

This RS PRO Range is designed for water, food, and air contact, but can be used with selected gases, and liquids.

- Easy Actions allow the tube to be connected and released quickly, saving time and expenses.
- This is one-touch connection type without tools. It provides workers with more comfortable working environment.
- These products are made from NSF and ACS approved non-toxic materials.
- Metric size fitting is manufactured in black acetal copolymer with food grade EPDM O-ring.
- They are suitable for water, liquids foods, air & gas.
- Certified ISO9001 and ISO14001 in quality management and environmental management system.
- Made of FDA-approved material ensuring its safety, certified as NSF 51, 61
- Food and beverage fittings with oval sleeves

APPLICATIONS FLUID TYPES

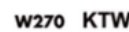
- Water
- Beverage
- Compressed Air
- Gases and liquids suitable with construction materials

FEATURES AND BENEFITS:

- One-touch type enabling easy to attach and detach, safe use.
- Cork-type allowing excellent sealing function and high durability against leakage
- Made of FDA approved material ensuring its safety, certified as NSF 51, 61
- WRAS Approved
- Food and beverage fittings with oval sleeves

APPROVALS:

- DM174/2004 (Italian market)
- EC1935/2004 (European Food Contact Directive)
- ACS (France market)
- NSF 51 and 61 (US market)
- W270 and KTW (German market)
- WRAS (UK market)
- ISO9001 and ISO14001
- REACH



AUDITED
In compliance with
industry standard



INSPECTED
By leading
engineers



TESTED
For guaranteed quality
and performance



RS PRO AIR / FLUID PUSH IN FITTINGS SERIES



WORKING PRESSURES & TEMPERATURES



- Temperatures and Pressures indicated refers to NSF standards limits
Please contact our technical department for higher temperature and /or pressure application needs.
*System performances always depend on fittings, tubes and other possible items and accessories used.
Users must cross check the technical features of EACH component in order to avoid possible failures and damages.

Ø/°C	-20°C	1°C*	25°C*	70°C*	98°C
4mm 5/32inch	0Bar→8Bar with dry air only	-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
6mm 3/16"~1/4"		-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
8mm 5/16"		-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
10mm 3/8"		-750 mmHg→16 Bar	-750 mmHg→16 Bar	-750 mmHg→14 Bar	-750 mmHg→10 Bar
12mm 1/2"		-750 mmHg→14 Bar	-750 mmHg→14 Bar	-750 mmHg→8 Bar	-750 mmHg→6 Bar

CHECK VALVE SPECIFICATION

Max. working pressure	10 bar @ 65°C continuous use
Working temperature	90°C for short term 5 minutes max.
Cracking pressure	0.02 bar

MAXIMUM TORQUE VALUE

Threads	1/8"	1/4"	3/8"	1/2"	3/4"
Max. Torque	1.5 Nm	1.5 Nm	3.0 Nm	3.0 Nm	4.0 Nm

TUBE TYPE THAT COULD BE USED (DEPENDING ON YOUR APPLICATION)

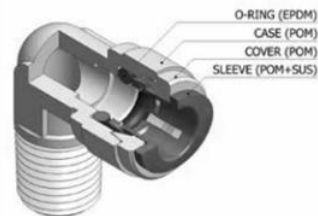
- Polyethylene(PE)
- Polyamide(PA)
- Polyurethane(PU)
- PTFE
- FEP
- Soft Copper

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RS PRO

STRUCTURAL DIAGRAM



CONNECTION AND DISCONNECTION



1 Use a tube cutter to prepare the tube end square.



2 Insert the tube into the fitting fully up to the tube stop.



3 Pull the tube to check its security.



4 After pulling the tube, insert the clip between body and sleeve



5 Push back the tube one more time to check. The usage of clip is to prevent the tube pulling-out and the shaking.



6 Check the system pressure before pulling out the tube. Remove the clip before removing the tube.



7 To remove the tube press, hold collet while pulling out the tube.

PUSH-IN FITTINGS - RS PRO AIR / FLUID SERIES



**STRAIGHT ADAPTOR
BSPP MALE**

PRODUCT NO	TUBE OD	THREAD
528374	4 mm	G 1/4
528461	4 mm	G 1/8
528366	6 mm	G 1/4
528367	6 mm	G 1/8
528354	8 mm	G 1/2
528355	8 mm	G 3/8
528357	8 mm	G 1/4
528358	8 mm	G 1/8
528346	10 mm	G 1/2
528348	10 mm	G 3/8
528349	10 mm	G 1/4
528341	12 mm	G 1/2
528342	12 mm	G 3/8



**STRAIGHT ADAPTOR
BSPT MALE**

PRODUCT NO	TUBE OD	THREAD
528462	4 mm	R 1/8
528368	6 mm	R 1/2
528370	6 mm	R 3/8
528372	6 mm	R 1/4
528373	6 mm	R 1/8
528360	8 mm	R 1/2
528361	8 mm	R 3/8
528363	8 mm	R 1/4
528364	8 mm	R 1/8
528350	10 mm	R 1/2
528351	10 mm	R 3/8
528352	10 mm	R 1/4
528344	12 mm	R 1/2
528345	12 mm	R 3/8



**STRAIGHT ADAPTOR
BSPP FEMALE**

PRODUCT NO	TUBE OD	THREAD
528541	4 mm	G 1/8
528535	6 mm	G 3/4
528537	6 mm	G 3/8
528538	6 mm	G 1/4
528540	6 mm	G 1/8
528528	8 mm	G 3/4
528529	8 mm	G 1/2
528530	8 mm	G 3/8
528531	8 mm	G 1/4
528532	8 mm	G 1/8
528522	10 mm	G 3/4
528523	10 mm	G 1/2
528524	10 mm	G 3/8
528525	10 mm	G 1/4
528516	12 mm	G 1/2
528518	12 mm	G 3/8
528519	12 mm	G 1/4



**TAP CONNECTOR
BSPP FEMALE**

PRODUCT NO	TUBE OD	THREAD
528534	6 mm	G 3/4
528526	8 mm	G 3/4
528521	10 mm	G 3/4

PUSH-IN FITTINGS - RS PRO AIR / FLUID SERIES



**STEM ADAPTOR
BSPP MALE**

PRODUCT NO	TUBE OD	THREAD
528510	4 mm	G 1/4
528512	4 mm	G 1/8
528504	6 mm	G 1/4
528506	6 mm	G 1/8
528408	8 mm	G 3/8
528409	8 mm	G 1/4
528411	8 mm	G 1/8
528399	10 mm	G 1/2
528401	10 mm	G 3/8
528402	10 mm	G 1/4
528405	10 mm	R 3/8
528394	12 mm	G 1/2
528395	12 mm	G 3/8



**STEM ADAPTOR
BSPT MALE**

PRODUCT NO	TUBE OD	THREAD
528513	4 mm	R 1/4
528515	4 mm	R 1/8
528507	6 mm	R 1/4
528509	6 mm	R 1/8
528412	8 mm	R 3/8
528414	8 mm	R 1/4
528503	8 mm	R 1/8
528403	10 mm	R 1/2
528406	10 mm	R 1/4
528396	12 mm	R 1/2
528398	12 mm	R 3/8



STEM STRAIGHT

PRODUCT NO	STEM OD A	HOSE ID B
528392	6 mm	4 mm
528391	6 mm	6 mm
528389	8 mm	6 mm
528388	10 mm	6 mm
528386	10 mm	8 mm
528385	10 mm	10 mm
558851	12 mm	10 mm



STEM ELBOW

PRODUCT NO	STEM OD A	STEM OD B
528474	8 mm	6 mm
528473	10 mm	8 mm

PUSH-IN FITTINGS - RS PRO AIR / FLUID SERIES



STEM ELBOW

PRODUCT NO	STEM OD A	STEM OD B
528486	4 mm	4 mm
528484	6 mm	6 mm
528481	8 mm	8 mm
528477	10 mm	10 mm
528475	12 mm	12 mm



REDUCING STEM ELBOW

PRODUCT NO	STEM OD A	STEM OD B
528483	6 mm	8 mm
528480	10 mm	6 mm
528478	10 mm	8 mm



BULKHEAD

PRODUCT NO	TUBE OD	TUBE OD
528471	4 mm	4 mm
528469	6 mm	6 mm
528467	8 mm	8 mm
528465	10 mm	10 mm
528464	12 mm	12 mm



REDUCING BULKHEAD

PRODUCT NO	TUBE OD	TUBE OD
528470	4 mm	6 mm
528468	6 mm	8 mm



STRAIGHT ADAPTOR EQUAL

PRODUCT NO	TUBE OD	TUBE OD
528439	4 mm	4 mm
528434	6 mm	6 mm
528430	8 mm	8 mm
528425	10 mm	10 mm
528421	12 mm	12 mm



STRAIGHT ADAPTOR REDUCING

PRODUCT NO	TUBE OD	TUBE OD
528437	6 mm	4 mm
528436	6 mm	4 mm
528433	8 mm	4 mm
528431	8 mm	6 mm
528428	10 mm	6 mm
528427	10 mm	8 mm
528424	12 mm	8 mm
528423	12 mm	10 mm



RIGID ELBOW BSPT MALE

PRODUCT NO	TUBE OD	THREAD
528339	4 mm	R 1/8
528338	4 mm	R 1/4
528336	6 mm	R 1/8
528459	6 mm	R 1/4
528458	6 mm	R 3/8
528456	8 mm	R 1/4
528455	8 mm	R 3/8
528453	10 mm	R 1/4
528452	10 mm	R 3/8
528451	12 mm	R 1/4
528449	12 mm	R 3/8
528447	12 mm	R 1/2

PUSH-IN FITTINGS - RS PRO AIR / FLUID SERIES



EQUAL ELBOW

PRODUCT NO	TUBE OD
528420	4 mm
528419	6 mm
528576	8 mm
528572	10 mm
528566	12 mm



REDUCING ELBOW

PRODUCT NO	TUBE OD	TUBE OD
528579	8 mm	4 mm
528578	8 mm	6 mm
528575	10 mm	6 mm
528574	10 mm	8 mm
528571	12 mm	6 mm
528569	12 mm	8 mm
528568	12 mm	10 mm



STEM REDUCER

PRODUCT NO	TUBE OD	TUBE OD
528496	6 mm	4 mm
528495	8 mm	4 mm
528493	8 mm	6 mm
528492	10 mm	6 mm
528490	10 mm	8 mm
528489	12 mm	8 mm
528487	12 mm	10 mm



EQUAL TEE

PRODUCT NO	TUBE OD
528565	4 mm
528563	6 mm
528562	8 mm
528557	10 mm
528554	12 mm



REDUCING TEE

PRODUCT NO	TUBE OD	TUBE OD	TUBE OD
528560	10 mm	6 mm	8 mm
528559	10 mm	6 mm	10 mm
528556	12 mm	10 mm	12 mm



UNION Y

PRODUCT NO	TUBE OD A	TUBE OD B
528553	4 mm	4 mm
528552	6 mm	6 mm
528550	8 mm	8 mm
528548	10 mm	10 mm
528547	12 mm	12 mm



EQUAL CROSS

PRODUCT NO	TUBE OD
528546	6 mm
528544	8 mm

PUSH-IN FITTINGS - RS PRO AIR / FLUID SERIES



**NON-RETURN
CHECK VALVE**

PRODUCT NO	TUBE OD
528376	4 mm
528502	6 mm
528500	8 mm
528499	10 mm
528497	12 mm



**HAND
BALL VALVE**

PRODUCT NO	TUBE OD
528418	6 mm
528417	8 mm
528415	10 mm
528543	12 mm



PLUG

PRODUCT NO	TUBE OD
528446	4 mm
528445	6 mm
528443	8 mm
528442	10 mm
528440	12 mm

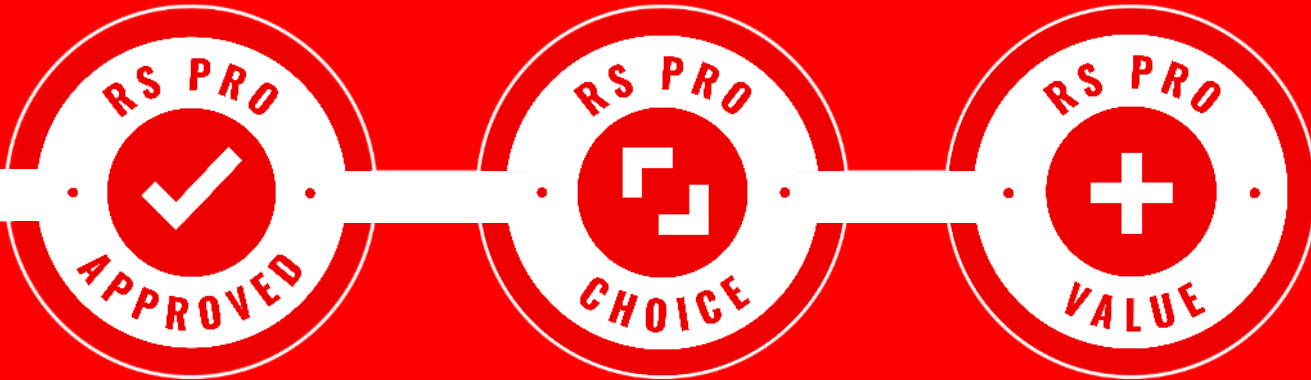


CLIP

PRODUCT NO	TUBE OD
528383	4 mm
528382	6 mm
528380	8 mm
528379	10 mm
528377	12 mm

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