

Better connected

FESTO



Everything from a single source – for the ideal combination

Variety is standard at Festo

Our range of tubing and fittings covers every conceivable task. Regardless of whether your selection is determined by standard requirements or extreme conditions such as heat, welding spatter, high pH values or resistance to hydrolysis – at Festo you'll always find the right tubing/fitting combination.

Our product finder helps you arrive at a tailored combination, and our modular tubing system offers more choice. More information is available on the following page.

Easy – from selection to installation

Your selection is simply transferred to the online shop. Purchasing is made convenient and reliable. Try it out and discover how our expertise can make your work easier and make you more productive.



Productivity

We have a very big goal: increasing your productivity. We achieve this goal through simplicity, reliability, efficiency and competency – qualities which you'll also find in our tubing and fittings range. Created by the engineers of productivity.

Simple – because we make selection, purchasing, delivery and assembly easier for you.

Reliable – because errors are practically ruled out with the product finder.

Efficient – because ordering from the online shop is very convenient and you get everything from a single source.

Competent – because Festo has a suitable tubing/fitting combination for every task.

Faster and easier: the product finder for the right tubing and fittings

How do I find the right tubing for my applications? And which fittings match the tubing? It's easy with Festo's integrated product finders in the electronic catalogue. We ask you all the questions necessary so you can make the right selection.

Here's how it works:

Start the product finder by clicking the blue icons in the product tree in the electronic catalogue. Select the technical features, step-by-step, on the left-hand side. A choice of suitable products that match those features

will then automatically be displayed on the right-hand side. Plausibility checks ensure that only correct configurations are accepted. The product finders for tubing and fittings are an essential part of the electronic catalogue and are not available as separate software.

Or:

Get started straightaway via the following links:

→ www.festo.com/productfinder/tubing

→ www.festo.com/productfinder/fittings



Customised tubing from the modular tubing system

Your wish is our command: if you want individualised tubing, our modular tubing system is just what you're looking for. The modular system allows you to:

- Specify individualised lengths and packaging units
- Order customised printing and labelling
- Select from 7 basic colours with others available on request

The configurator additionally simplifies selection and ordering. Online ordering is already possible in many countries.



Well combined: tubing/fitting combinations for all applications!

Precise selection of the right tubing/fitting combination is above all dependent on the application. Applications often have a single feature that quickly defines the right selection. The overview below of our most

popular tubing/fitting combinations will help you to make the right choice quickly and reliably.

Tubing

Designation	Polyurethane (PU)					Polyethylene (PE)		Polyamide (PA)				PFA**
	PUN/PUN-DUO	PUN-H/ PUN-H-DUO	PUN-CM	PUN-VO	PUN-VO-C	PEN	PLN	PAN	PAN-R	PAN-VO	PAN-MF	PFAN
Operating medium	Com-pressed air, vacuum	Com-pressed air, vacuum, water *	Com-pressed air, vacuum	Com-pressed air, vacuum, water *	Com-pressed air, vacuum, water *	Com-pressed air, vacuum, water *	Compressed air, vacuum, water *	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum, water *	Compressed air, vacuum	Compressed air, vacuum, water *
Temperature [°C]	-35 ... +60	-35 ... +60	-35 ... +60	-35 ... +60	-35 ... +60	-30 ... +60	-30 ... +80	-30 ... +80	-30 ... +80	-30 ... +90	-60 ... +100	-20 ... +150
Temperature-dependent operating pressure [bar]	-0.95 ... +10	-0.95 ... +10	-0.95 ... +10	-0.95 ... +10	-0.95 ... +10	-0.95 ... +10	-0.95 ... +14	-0.95 ... +19	-0.95 ... +35	-0.95 ... +12	-0.95 ... +31	-0.95 ... +16
Resistant to chemicals	–	+	+	+	+	++	++	+	+	+	+	+++
Food safe ***	–	+++ FDA	–	–	–	–	+++ EG 1935/2004	–	–	–	–	+++ FDA
Hydrolysis resistant	+	++	++	++	++	+++	+++	++	++	++	++	+++
Fire test	–	–	–	UL 94 DIN 5510-2	UL 94 DIN 5510-2	–	–	–	–	UL 94	–	UL 94
Halogen-free	+++	+++	+++	+++	+++	+++	+++	+++	+++	–	+++	–
Flexibility	+++	+++	++	++	++	++	+	++	+	++	+	+
Special feature	Wide choice of variants	Hydrolysis resistant	Antistatic	Flame-retardant	Resistant to welding spatter	Suitable for use with energy chains	Weather resistant	High load bearing capacity	Suitable for pressure up to 35 bar	Resistant to welding spatter	DIN 73378 KFZ approval	Highly resistant to chemicals

Fittings

Designation	Plastic					Metal			
	NPKA	NPQP	QS(M)	QS(M)-B	QS-VO	NPQM	NPQH	NPCK	CRQS
Operating medium	Compressed air, vacuum, water *	Compressed air, vacuum	Compressed air, vacuum, water *	Compressed air, vacuum	Compressed air, vacuum, water *	Compressed air, vacuum, water *	Compressed air, vacuum, water *	Compressed air, vacuum, water *	Compressed air, vacuum, water *
Temperature [°C]	-10 ... +60	-20 ... +60	-10 ... +80	-10 ... +60	0 ... +60	-20 ... +70	0 ... +150	-20 ... +120	-15 ... +120
Temperature-dependent operating pressure [bar]	-0.95 ... +10	-0.95 ... +10	-0.95 ... +14	-0.95 ... +10	-0.95 ... +10	-0.95 ... +16	-0.95 ... +20	-0.95 ... +12	-0.95 ... +10
Housing material	POM and PA66	PP	PBT and nickel-plated brass	PBT and nickel-plated brass	PBT	Nickel-plated brass	Nickel-plated brass	Stainless steel	Stainless steel
Thread	G thread	R thread	M, G and R thread	M and R thread	G and R thread	M and G thread	M and G thread	M and G thread	M and R thread
Resistant to chemicals	++	+++	+	+	+	+	++	+++	+++
Food safe ***	+++ FDA	+++ FDA	–	–	–	–	+++ FDA	+++ FDA	+++ EG 1935/2004
Corrosion resistance class (CRC)	4	4	1	1	1	1	3	4	4
Special features	Cleanroom-compatible, 100% polymer	FDA-compliant internal and external parts	Wide choice of variants	Economical	Resistant to welding spatter	Robust	Resistant to high temperatures	Clean Design	Highly resistant to corrosion

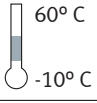
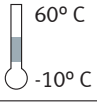
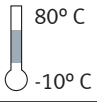
* Other media on request

** Perfluoralkoxyalkan

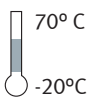
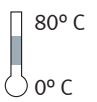
*** Suitable for use with food in accordance with manufacturer's declaration

Our top combinations for you:

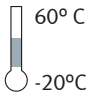
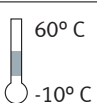
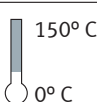
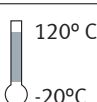
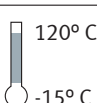
Standard

PEN 	QS-B 			Suitable for a wide range of tasks and attractively priced. Flexible thanks to highly resistant materials, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.
PUN 	QS 			Maximum flexibility in standard applications thanks to an extremely wide range of options for combining the different types.
PAN 	QS 			Meets all requirements, even for standard applications with increased pressure and temperature ranges.

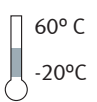
High pressures

PAN-MF 	NPQM 			Meets DIN standard 73378: ideal for use in mobile pneumatics. Suitable for increased temperature ranges combined with high pressure ranges.
PAN-R 	NPQH 			Powerful in pressure ranges up to 20 bar, for example in applications with the pressure booster DPA.

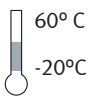
Resistant to chemicals, food safe and hydrolysis resistant

PLN 	NPQP 			Resistant to cleaning agents, FDA compliant and economical. Can be used instead of the combination with stainless steel fittings.
PUN-H 	NPKA 			Hydrolysis resistant and suitable for water applications. Combination suitable for use in clean rooms, FDA compliant and corrosion resistant because it's 100% polymer. Very easy to install thanks to the "one click principle".
PFAN 	NPQH 			For high temperatures up to 150°C. Suitable for use in the food industry, FDA compliant and resistant to cleaning agents.
PFAN 	NPCK 			Easy to clean thanks to the union nut's edge-free design. Maximum resistance to corrosion (CRC 4) and FDA compliant. Suitable for a wide range of media.
PFAN 	CRQS 			Maximum resistance to corrosion (CRC 4) and aggressive acids and alkalis.

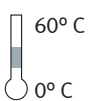
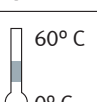
Anti-static

PUN-CM 	NPQM 			Anti-static tubing plus solid metal fitting: maximum protection for electrical and electronic components.
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Flame-retardant

PUN-V0 	NPQM 			Its flame-retardant properties provide a high level of safety in areas where there is a risk of fire. The tubing has been tested to DIN 5510-2.
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Resistant to welding spatter

PUN-V0-C 	NPQH 			Ideal for applications involving welding spatter. Reliable thanks to a tubing wall thickness of 2 mm for all diameters.
PAN-V0 	QS-V0 			Safe even in the immediate vicinity of welding spatter thanks to the double-walled tubing with special fitting.

For quick and reliable selection at the office and in the workshop

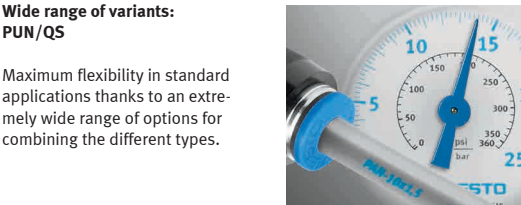
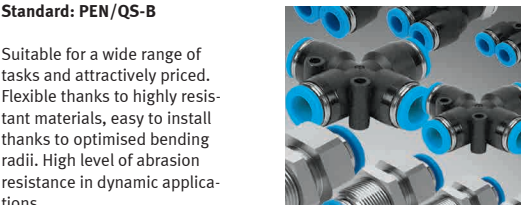
This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

QS standard – Part 1 of 2 – Push-in fittings

Here you will find the optimum fittings in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination.



QS standard, Mini

Push-in fitting



Type	D1	D2	PU	PN
★ QSM-... M3	2	10	133027	
★ QSM-... M3	3	10	153301	
QSM-... M3	3	100	130775	
★ QSM-... M3	4	10	153303	
QSM-... M3	4	100	130776	
★ QSM-... M5	2	10	133028	
★ QSM-... M5	3	10	153302	
QSM-... M5	3	100	130777	
★ QSM-... M5	4	10	153304	
QSM-... M5	4	100	130778	
★ QSM-... M5	6	10	153306	
QSM-... M5	6	100	130779	
★ QSM-... M6	6	1	132600	
★ QSM-... R1/8	4	100	130755	
★ QSM-... R1/8	6	10	153307	
QSM-... R1/8	6	100	130756	
★ QSM-... G1/8	4	10	186264	
★ QSM-... G1/8	6	10	186265	

Push-in L-fitting



Type	D1	D2	PU	PN
★ QSML-... M3	2	10	133030	
★ QSML-... M3	3	10	153330	
QSML-... M3	3	100	130768	
★ QSML-... M3	4	10	153332	
QSML-... M3	4	100	130769	
★ QSML-... M5	2	10	133031	
★ QSML-... M5	3	10	153331	
QSML-... M5	3	100	130770	
★ QSML-... M5	4	10	153333	
QSML-... M5	4	100	130771	
★ QSML-... M5	6	10	153335	
QSML-... M5	6	100	130772	
★ QSML-... M7	4	10	186352	
★ QSML-... M7	4	100	130773	
★ QSML-... M7	6	10	186353	
QSML-... M7	6	100	130774	
★ QSML-... R1/8	4	10	153334	
QSML-... R1/8	4	100	130764	
★ QSML-... R1/8	6	10	153336	
QSML-... R1/8	6	100	130765	
★ QSML-... G1/8	4	10	186268	
QSML-... G1/8	4	100	132897	

Push-in L-fitting



Type	D1	D2	PU	PN
★ QSMLV-... M5	3	10	130830	
★ QSMLV-... M5	4	10	130831	
★ QSMLV-... M7	4	10	130832	
★ QSMLV-... M7	6	10	130833	

Push-in long L-fitting with internal hex



Type	D1	D2	PU	PN
★ QSMLLV-... M5	3	10	130834	
★ QSMLLV-... M5	4	10	130835	
★ QSMLLV-... M7	4	10	130836	
★ QSMLLV-... M7	6	10	130837	

Push-in fitting with internal hex



Type	D1	D2	PU	PN
★ QSM-I-... M3	2	10	133026	
★ QSM-I-... M3	3	10	153312	
QSM-I-... M3	3	100	133001	
QSM-I-... M3	3	100	132914	
★ QSM-I-... M3	4	10	153314	
QSM-I-... M3	4	100	133002	
QSM-I-... M3	4	100	132915	
★ QSM-I-... M5	3	10	153313	
QSM-I-... M5	3	100	133003	
QSM-I-... M5	3	100	132916	
★ QSM-I-... M5	4	10	153315	
QSM-I-... M5	4	100	133004	
QSM-I-... M5	4	100	132917	
★ QSM-I-... M5	6	10	153317	
QSM-I-... M5	6	100	133005	
QSM-I-... M5	6	100	132918	
★ QSM-I-... M7	4	10	153319	
QSM-I-... M7	4	100	133006	
★ QSM-I-... M7	6	10	153321	
QSM-I-... M7	6	100	133007	
★ QSM-I-... M7	6	100	132919	
★ QSM-I-... R1/8	4	10	153316	
★ QSM-I-... R1/8	6	10	153318	
★ QSM-I-... G1/8	4	10	186266	
★ QSM-I-... G1/8	6	10	186267	

Push-in fitting with internal hex, round releasing ring



Type	D1	D2	PU	PN
QSMF-... M6	4	10	153320	
QSMF-... M8	6	10	153322	

Push-in long L-fitting



Type	D1	D2	PU	PN
★ QSMLL-... M3	2	10	133032	
★ QSMLL-... M3	3	10	153337	
QSMLL-... M3	3	100	133011	
★ QSMLL-... M3	4	10	153338	
QSMLL-... M3	4	100	133033	
★ QSMLL-... M5	3	10	130838	
QSMLL-... M5	3	100	133012	
★ QSMLL-... M5	4	10	153339	
QSMLL-... M5	4	100	133013	
★ QSMLL-... M5	6	10	153341	
★ QSMLL-... M7	4	10	186354	
QSMLL-... M7	4	100	133014	
★ QSMLL-... M7	6	10	186355	
★ QSMLL-... R1/8	4	10	153340	
★ QSMLL-... R1/8	6	10	153342	
★ QSMLL-... G1/8	4	10	186270	
★ QSMLL-... G1/8	6	10	186271	

Push-in fitting female thread



Type	D1	D2	PU	PN
★ QSMF-... M3	3	10	153308	
★ QSMF-... M3	4	10	153310	
★ QSMF-... M5	3	10	153309	
★ QSMF-... M5	4	10	153311	

Push-in T-fitting



Type	D1	D2	PU	PN
★ QSMT-... M3	3	10	153351	
★ QSMT-... M3	4	10	153353	
★ QSMT-... M5	3	10	153352	
★ QSMT-... M5	4	10	153354	
★ QSMT-... M5	4	100	130784	
★ QSMT-... M5	6	10	153356	
QSMT-... M5	6	100	130785	
★ QSMT-... R1/8	4	10	153355	
★ QSMT-... R1/8	6	10	153357	
★ QSMT-... G1/8	4	10	186272	
★ QSMT-... G1/8	6	10	186273	

Push-in T-fitting



Type	D1	D2	PU	PN
★ QSMTL-... M3	3	10	153358	
★ QSMTL-... M3	4	10	153360	
★ QSMTL-... M5	3	10	153359	
★ QSMTL-... M5	4	10	153361	
★ QSMTL-... M5	6	10	153363	
★ QSMTL-... R1/8	4	10	153362	
★ QSMTL-... R1/8	6	10	153364	
★ QSMTL-... G1/8	4	10	186274	
★ QSMTL-... G1/8	6	10	186275	

Push-in fitting



Type	D1	D2	PU	PN
★ QS-... R1/8	4	10	153001	
QS-... R1/8	4	100	130674	
★ QS-... R1/8	6	10	153002	
QS-... R1/8	6	100	130675	
★ QS-... R1/8	8	10	153004	
QS-... R1/8	8	50	130676	
★ QS-... R1/8	10	10	190643	
★ QS-... R1/4	4	10	190644	
★ QS-... R1/4	6	10	153003	
QS-... R1/4	6	100	130677	
★ QS-... R1/4	8	10	153005	
QS-... R1/4	8	50	130678	
★ QS-... R1/4	10	10	153007	
QS-... R1/4	10	50	130679	
★ QS-... R1/4	12	10	164980	
QS-... R1/4	12	20	130680	
★ QS-... R3/8	6	10	190645	
QS-... R3/8	8	10	153006	
QS-... R3/8	8	50	130681	
★ QS-... R3/8	10	10	153008	
QS-... R3/8	10	50	130682	
★ QS-... R3/8	12	10	153009	
QS-... R3/8	12	20	130683	
★ QS-... R3/8	16	1	164957	
★ QS-... R1/2	10	10	190646	
★ QS-... R1/2	12	1	153010	
QS-... R1/2	12	20	130684	
★ QS-... R1/2	16	1	153011	
QS-... R1/2	16	20	130685	

Push-in fitting



Type	D1	D2	PU	PN
★ QS-... G1/8	4	10	186095	
QS-... G1/8	4	100	132036	
★ QS-... G1/8	6	10	186096	
QS-... G1/8	6	100	132037	
★ QS-... G1/8	8	10	186098	
QS-... G1/8	8	50	132038	
★ QS-... G1/4	6	10	186097	
QS-... G1/4	6	100	132039	
★ QS-... G1/4	8	10	186099	
QS-... G1/4	8	50	132040	
★ QS-... G1/4	10	10	186101	
QS-... G1/4	10	50	132041	
★ QS-... G1/4	12	10	186350	
QS-... G1/4	12	20	132042	
★ QS-... G3/8	8	10	186100	
QS-... G3/8	8	50	132043	
★ QS-... G3/8	10	10	186102	
QS-... G3/8	10	50	132044	
★ QS-... G3/8	12	10	186103	
QS-... G3/8	12	20	132045	
★ QS-... G3/8	16	1	186347	
★ QS-... G1/2	12	1	186104	
QS-... G1/2	12	20	132046	
★ QS-... G1/2	16	1	186105	
QS-... G3/4	22	1	8040613	

Push-in fitting with internal hex



Type	D1	D2	PU	PN
★ QS-...-I R1/8	4	10	153012	
★ QS-...-I R1/8	6	10	153013	
★ QS-...-I R1/8	8	10	153015	
★ QS-...-I R1/8	10	10	190647	
★ QS-...-I R1/4	6	10	153014	
★ QS-...-I R1/4	8	10	153016	
★ QS-...-I R1/4	10	10	153018	
★ QS-...-I R1/4	12	10	190649	
★ QS-...-I R3/8	8	10	153017	
★ QS-...-I R3/8	10	10	153019	
★ QS-...-I R3/8	12	10	153020	
★ QS-...-I R1/2	10	1	190648	
★ QS-...-I R1/2	12	1	153021	
★ QS-...-I G1/8	4	10	186106	
★ QS-...-I G1/8	4	100	133008	
★ QS-...-I G1/8	6	10	186107	
★ QS-...-I G1/8	6	100	133009	
★ QS-...-I G1/8	8	10	186109	
★ QS-...-I G1/8	8	100	133010	
★ QS-...-I G1/8	10	10	132999	
★ QS-...-I G1/8	10	100	133000	
★ QS-...-I G1/4	6	10	186108	
★ QS-...-I G1/4	8	10	186110	
★ QS-...-I G1/4	10	10	186112	
★ QS-...-I G3/8	8	10	186111	
★ QS-...-I G3/8	10	10	186113	
★ QS-...-I G3/8	12	10	186114	
★ QS-...-I G1/2	12	1	186115	

Push-in bulkhead fitting female thread



Type	D1	D2	PU	PN
★ QSSF-... G1/8	4	10	153162	
★ QSSF-... G1/8	6	10	153163	
★ QSSF-... G1/8	8	10	153165	
★ QSSF-... G1/4	4	10	190655	
★ QSSF-... G1/4	6	10	153164	
★ QSSF-... G1/4	8	10	153166	
★ QSSF-... G1/4	10	10	153168	
★ QSSF-... G3/8	6	10	190656	
★ QSSF-... G3/8	8	10	153167	
★ QSSF-... G3/8	10	10	153169	
★ QSSF-... G3/8	12	10	153170	
★ QSSF-... G1/2	12	1	153171	
★ QSSF-... G1/2	16	1	190657	

Push-in L-fitting female thread



Type	D1	D2	PU	PN
QSLF...	G1/8	4	10	153273
QSLF...	G1/8	6	10	153274
QSLF...	G1/8	8	10	153276
QSLF...	G1/4	6	10	153275
QSLF...	G1/4	8	10	153277
QSLF...	G1/4	10	10	153279
QSLF...	G3/8	8	10	153278
QSLF...	G3/8	10	10	153280

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

QS standard – Part 2 of 2 – Push-in fittings

Here you will find the optimum fittings in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination..



Standard: PEN/QS-B

Suitable for a wide range of tasks and attractively priced. Flexible thanks to highly resistant materials, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.



Wide range of variants: PUN/QS

Maximum flexibility in standard applications thanks to an extremely wide range of options for combining the different types.



Pressure resistant: PAN/QS

Meets all requirements, even for standard applications with increased pressure and temperature ranges.

QS standard

Push-in fitting 360° orientable



Type	D1	D2	PU	PN
QSR...	M5	4	1	153526
QSR...	M5	6	1	153527
QSR...	R1/8	4	1	153401
QSR...	R1/8	6	1	153402
QSR...	R1/8	8	1	153404
QSR...	R1/4	6	1	153403
QSR...	R1/4	8	1	153405
QSR...	R3/8	8	1	153406
QSR...	R3/8	10	1	153407
QSR...	R3/8	12	1	153408
QSR...	R1/2	12	1	153409
QSR...	G1/8	4	1	186276
QSR...	G1/8	6	1	186277
QSR...	G1/8	8	1	186279
QSR...	G1/4	6	1	186278
QSR...	G1/4	8	1	186280
QSR...	G3/8	8	1	186281
QSR...	G3/8	10	1	186282
QSR...	R3/8	12	1	186283
QSR...	G1/2	12	1	186284

Rotary push-in L-fitting



Type	D1	D2	PU	PN
QSRL...	M5	4	1	153529
QSRL...	M5	6	1	153530
QSRL...	R1/8	4	1	153410
QSRL...	R1/8	6	1	153411
QSRL...	R1/8	8	1	153413
QSRL...	R1/4	6	1	153412
QSRL...	R1/4	8	1	153414
QSRL...	R3/8	8	1	153415
QSRL...	R3/8	10	1	153416
QSRL...	R3/8	12	1	153417
QSRL...	R1/2	12	1	153418
QSRL...	G1/8	4	1	186285
QSRL...	G1/8	6	1	186286
QSRL...	G1/8	8	1	186288
QSRL...	G1/4	6	1	186287
QSRL...	G1/4	8	1	186289
QSRL...	G3/8	8	1	186290
QSRL...	G3/8	10	1	186291
QSRL...	G3/8	12	1	186292
QSRL...	G1/2	12	1	186293

Push-in fitting 45° angled



Type	D1	D2	PU	PN
★ QSW...	R1/8	4	10	130596
★ QSW...	R1/8	6	10	130597
★ QSW...	R1/8	8	10	130598
★ QSW...	R1/4	6	10	130599
★ QSW...	G1/4	8	10	130600
★ QSW...	G1/4	10	10	130601
★ QSW...	R3/8	10	10	130602
★ QSW...	R3/8	12	10	130603
★ QSW...	R1/2	12	1	130604
★ QSW...	G1/2	16	1	130605

Push-in T-fitting



Type	D1	D2	PU	PN
★ QST...	G1/8	4	10	186157
QST...	G1/8	4	100	132066
★ QST...	G1/8	6	10	186158
QST...	G1/8	6	100	132067
★ QST...	G1/8	8	10	186160
QST...	G1/8	8	50	132068
★ QST...	G1/4	6	10	186159
QST...	G1/4	6	100	132069
★ QST...	G1/4	8	10	186161
QST...	G1/4	8	50	132070
★ QST...	G1/4	10	10	186163
QST...	G1/4	10	50	132071
★ QST...	G1/4	12	10	132597
★ QST...	G3/8	8	10	186162
QST...	G3/8	8	50	132072
★ QST...	G3/8	10	10	186164
QST...	G3/8	10	20	132073
★ QST...	G3/8	12	10	186165
QST...	G3/8	12	20	132074
★ QST...	G3/8	16	1	186349
★ QST...	G1/2	12	1	186166
★ QST...	G1/2	16	1	186167

Push-in T-fitting



Type	D1	D2	PU	PN
★ QSTL...	R1/8	4	10	153117
QSTL...	R1/8	4	100	130824
★ QSTL...	R1/8	6	10	153118
QSTL...	R1/8	6	100	130825
★ QSTL...	R1/8	8	10	153120
QSTL...	R1/8	8	50	130826
★ QSTL...	R1/4	6	10	153119
QSTL...	R1/4	6	100	130827
★ QSTL...	R1/4	8	10	153121
QSTL...	R1/4	8	50	130828
★ QSTL...	R1/4	10	10	153123
QSTL...	R1/4	10	50	130829
★ QSTL...	R3/8	8	10	153122
QSTL...	R3/8	10	10	153124
★ QSTL...	R3/8	12	10	153125
QSTL...	R1/2	12	1	153126
★ QSTL...	R1/2	16	1	153127
QSTL...	G1/8	4	10	186168
★ QSTL...	G1/8	4	100	132075
QSTL...	G1/8	6	10	186169
★ QSTL...	G1/8	6	100	132076
QSTL...	G1/8	8	10	186171
★ QSTL...	G1/8	8	50	132077
QSTL...	G1/4	6	10	186170
★ QSTL...	G1/4	6	100	132078
QSTL...	G1/4	8	10	186172
★ QSTL...	G1/4	8	50	132079
QSTL...	G1/4	10	10	186174
★ QSTL...	G1/4	10	50	132080
QSTL...	G3/8	8	10	186173
★ QSTL...	G3/8	10	10	186175
QSTL...	G3/8	12	10	186176
★ QSTL...	G1/2	12	1	186177
QSTL...	G1/2	16	1	186178

Push-in Y-fitting



Type	D1	D2	PU	PN
★ QSY...	M5	4	10	190673
★ QSY...	M5	6	10	190674
★ QSY...	R1/8	4	10	153138
★ QSY...	R1/8	6	10	153139
★ QSY...	R1/8	8	10	153141
★ QSY...	R1/4	4	10	190675
★ QSY...	R1/4	6	10	153140
★ QSY...	R1/4	8	10	153142
★ QSY...	R1/4	10	10	153144
★ QSY...	R3/8	8	10	153143
★ QSY...	R3/8	10	10	153145
★ QSY...	R3/8	12	10	153146
★ QSY...	R1/2	12	10	153147
★ QSY...	G1/8	4	10	186179
★ QSY...	G1/8	6	10	186180
★ QSY...	G1/8	8	10	186182
★ QSY...	G1/4	6	10	186181
★ QSY...	G1/4	8	10	186183
★ QSY...	G1/4	10	10	186185
★ QSY...	G3/8	8	10	186184
★ QSY...	G3/8	10	10	186186
★ QSY...	G3/8	12	10	186187
★ QSY...	G1/2	12	1	186188

Push-in Y-fitting



Type	D1	D2	PU	PN
QSYTF...	R1/8	6	1	153196
QSYTF...	R1/4	8	1	153197
QSYTF...	R3/8	10	1	153198
QSYTF...	R1/2	12	1	153199
QSYTF...	G1/8	6	1	186213
QSYTF...	G1/4	8	1	186214
QSYTF...	G3/8	10	1	186215
QSYTF...	G1/2	12	1	186216

Multiple distributor



Type	D1	D2	PU	PN
QSLV3...	R1/8	4	1	153221
QSLV3...	R1/8	6	1	153222
QSLV3...	R1/8	8	1	153224
QSLV3...	R1/4	6	1	153223
QSLV3...	R1/4	8	1	153225
QSLV3...	R1/4	10	1	153227
QSLV3...	R3/8	8	1	153226
QSLV3...	R3/8	10	1	153228
QSLV3...	R3/8	12	1	153229
QSLV3...	R1/2	12	1	153230
QSLV3...	G1/8	4	1	186233
QSLV3...	G1/8	6	1	186234
QSLV3...	G1/8	8	1	186236
QSLV3...	G1/4	6	1	186235
QSLV3...	G1/4	8	1	186237
QSLV3...	G1/4	10	1	186239
QSLV3...	G3/8	8	1	186238
QSLV3...	G3/8	10	1	186240
QSLV3...	G3/8	12	1	186241
QSLV3...	G1/2	12	1	186242

Multiple distributor



Type	D1	D2	PU	PN
QSLV6...	R1/8	4	1	153241
QSLV6...	R1/8	6	1	153242
QSLV6...	R1/8	8	1	153244
QSLV6...	R1/4	6	1	153243
QSLV6...	R1/4	8	1	153245
QSLV6...	R1/4	10	1	153247
QSLV6...	R3/8	8	1	153246
QSLV6...	R3/8	10	1	153248
QSLV6...	R3/8	12	1	153249
QSLV6...	R1/2	12	1	153250
QSLV6...	G1/8	4	1	186253
QSLV6...	G1/8	6	1	186254
QSLV6...	G1/8	8	1	186256
QSLV6...	G1/4	6	1	186255
QSLV6...	G1/4	8	1	186257
QSLV6...	G1/4	10	1	186259
QSLV6...	G3/8	8	1	186258
QSLV6...	G3/8	10	1	186260
QSLV6...	G3/8	12	1	186261
QSLV6...	G1/2	12	1	186262

Push-in T-fitting



Type	D1	D2	PU	PN
★ QSTF...	R1/8	4	10	153182
★ QSTF...	R1/8	6	10	153183
★ QSTF...	R1/8	8	10	153185
★ QSTF...	R1/4	6	10	153184
★ QSTF...	R1/4	8	10	153186
★ QSTF...	R1/4	10	10	153188
★ QSTF...	R3/8	8	10	153187
★ QSTF...	R3/8	10	10	153189
★ QSTF...	R3/8	12	10	153190
★ QSTF...	R1/2	12	10	153191
★ QSTF...	G1/8	4	10	186199
★ QSTF...	G1/8	6	10	186200
★ QSTF...	G1/8	8	10	186202
★ QSTF...	G1/4	6	10	186201
★ QSTF...	G1/4	8	10	186203
★ QSTF...	G1/4	10	10	186205
★ QSTF...	R3/8	8	10	186204
★ QSTF...	R3/8	10	10	186206
★ QSTF...	R3/8	12	1	186207
★ QSTF...	G1/2	12	1	186208

Push-in T-fitting



Type	D1	D2	PU	PN
★ QST...	R1/8	4	10	153106
QST...	R1/8	4	100	130793
★ QST...	R1/8	6	10	153107
QST...	R1/8	6	100	130794
★ QST...	R1/8	8	10	153109
QST...	R1/8	8	10	130795
★ QST...	R1/8	10	50	190667
★ QST...	R1/4	4	10	190668
★ QST...	R1/4	6	10	153108
★ QST...	R1/4	6	10	130796
★ QST...	R1/4	8	100	153110
★ QST...	R1/4	8	10	130797
★ QST...	R1/4	10	50	153112
QST...	R1/4	10	10	130798
★ QST...	R1/4	12	50	190669
★ QST...	R3/8	6	10	190670
★ QST...	R3/8	8	10	153111
★ QST...	R3/8	8	10	130799
★ QST...	R3/8	10	50	153113
QST...	R3/8	10	10	130800
★ QST...	R3/8	12	20	153114
QST...	R3/8	12	10	130801
★ QST...	R3/8	16	20	164959
★ QST...	R1/2	10	1	190672
★ QST...	R1/2	12	1	153115
★ QST...	R1/2	16	1	153116

Push-in Y-fitting



Type	D1	D2	PU	PN
★ QSYLV...	R1/8	6	1	153192
★ QSYLV...	R1/4	8	1	153193
★ QSYLV...	R3/8	10	1	153194
★ QSYLV...	R1/2	12	1	153195
★ QSYLV...	G1/8	6	1	186209
★ QSYLV...	G1/4	8	1	186210

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

QS standard – Push-in connectors

Here you will find the optimum connectors in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination.



Standard: PEN/QS-B

Suitable for a wide range of tasks and attractively priced. Flexible thanks to highly resistant materials, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.



Wide range of variants: PUN/QS

Maximum flexibility in standard applications thanks to an extremely wide range of options for combining the different types.



Pressure resistant: PAN/QS

Meets all requirements, even for standard applications with increased pressure and temperature ranges.



QS standard, Mini

Push-in connector



Type	D1	D2	PU	PN
★ QSM-... 3	2	10		133029
★ QSM-... 3	3	10		153323
QSM-... 3	3	100		130757
★ QSM-... 4	4	10		153324
QSM-... 4	4	100		130758
★ QSM-... 6	6	10		153325
QSM-... 6	6	100		130759
reducing				
★ QSM-... 4	3	10		153326
QSM-... 4	3	100		130760
★ QSM-... 6	4	10		153327
QSM-... 6	4	100		130761

Push-in connector with push-in sleeve



Type	D1	D2	PU	PN
★ QSM-...H 3	2	10		133035
★ QSM-...H 4	3	10		153328
QSM-...H 4	3	100		130762
★ QSM-...H 6	4	10		153329
QSM-...H 6	4	100		130763

Push-in L-connector



Type	D1	D2	PU	PN
★ QSML-... 3	3	10		153343
★ QSML-... 4	4	10		153344
QSML-... 4	4	100		130766
★ QSML-... 6	6	10		153345
QSML-... 6	6	100		130767
with push-in sleeve				
★ QSML-...H 3	3	10		153346
★ QSML-...H 4	4	10		153347
★ QSML-...H 6	6	10		153348
reducing				
★ QSML-...H 4	3	10		153349
★ QSML-...H 6	4	10		153350

Push-in bulkhead connector



Type	D1	D2	PU	PN
★ QSMS-... 3	3	10		153375
★ QSMS-... 4	4	10		153376
QSMS-... 4	4	100		130780
★ QSMS-... 6	6	10		153377
QSMS-... 6	6	100		130781

Push-in T-connector



Type	D1	D2	PU	PN
★ QSMT-... 2	2	10		133034
★ QSMT-... 3	3	10		153365
★ QSMT-... 4	4	10		153366
QSMT-... 4	4	100		130782
★ QSMT-... 6	6	10		153367
QSMT-... 6	6	100		130783
reducing				
★ QSMT-... 4	3	10		153368
★ QSMT-... 6	4	10		153369

Push-in X-connector



Type	D1	D2	PU	PN
QSMX 3	3	10		153378
QSMX 4	4	10		153379
QSMX 6	6	10		153380

Push-in Y-connector



Type	D1	D2	PU	PN
★ QSMY 2	2	10		133037
★ QSMY 3	3	10		153370
★ QSMY 4	4	10		153371
★ QSMY 6	6	10		153372
reducing				
★ QSMY 4	3	10		153373
★ QSMY 6	4	10		153374

Push-in connector



Type	D1	D2	PU	PN
★ QS-... 4	4	10		153031
QS-... 4	4	100		130686
★ QS-... 6	6	10		153032
QS-... 6	6	100		130687
★ QS-... 8	8	10		153033
QS-... 8	8	50		130688
★ QS-... 10	10	10		153034
QS-... 10	10	50		130689
★ QS-... 12	12	10		153035
QS-... 12	12	20		130690
★ QS-... 16	16	1		153036
reducing				
★ QS-... 6	4	10		153037
QS-... 6	4	100		130691
★ QS-... 8	4	10		130606
★ QS-... 8	6	10		153038
QS-... 8	6	50		130692
★ QS-... 10	6	10		130607
★ QS-... 10	8	10		153039
QS-... 10	8	50		130693
★ QS-... 12	8	10		130608
★ QS-... 12	10	10		153040
QS-... 12	10	20		130694

Push-in connector with push-in sleeve



Type	D1	D2	PU	PN
★ QS-...H 4	6	10		153041
QS-...H 4	6	100		130695
★ QS-...H 4	8	10		130622
★ QS-...H 6	8	10		153042
QS-...H 6	8	50		130696
★ QS-...H 6	10	10		130623
★ QS-...H 6	12	10		132981
★ QS-...H 8	10	10		153043
QS-...H 8	10	50		130697
★ QS-...H 8	12	10		130624
★ QS-...H 10	12	10		153044
QS-...H 10	12	20		130698

Push-in sleeve



Type	D1	D2	PU	PN
QSH-... 4	4	10		153251
QSH-... 4	4	100		130723
QSH-... 6	6	10		153252
QSH-... 6	6	100		130724
QSH-... 8	8	10		153253
QSH-... 8	8	50		130725
QSH-... 10	10	10		153254
QSH-... 10	10	50		130726
QSH-... 12	12	10		153255
QSH-... 12	12	20		130727
QSH-... 16	16	10		153256
reducing				
QSH-... 6	4	10		153257
QSH-... 6	4	100		130718
QSH-... 8	4	10		130625
QSH-... 8	6	10		153258
QSH-... 8	6	50		130719
QSH-... 10	6	10		130626
QSH-... 10	8	10		153259
QSH-... 10	8	50		130720
QSH-... 12	8	10		130627
QSH-... 12	10	10		153260
QSH-... 12	10	20		130721
QSH-... 16	12	1		153261
QSH-... 16	12	20		130722

Push-in bulkhead connector



Type	D1	PU	PN
★ QSS-... 4	10		153157
QSS-... 4	100		130788
★ QSS-... 6	10		153158
QSS-... 6	100		130789
★ QSS-... 8	10		153159
QSS-... 8	50		130790
★ QSS-... 10	10		153160
QSS-... 10	50		130791
★ QSS-... 12	10		153161
QSS-... 12	20		130792

Push-in bulkhead connector with fixed collar



Type	D1	D2	PU	PN
QSS-F-... 4	4	10		193950
QSS-F-... 6	6	10		193951
★ QSS-F-... 8	8	10		130642
★ QSS-F-... 10	10	10		130643
★ QSS-F-... 12	12	10		130644

Push-in bulkhead connector blocking



Type	D1	D2	PU	PN
★ QSSK-... 4	4	10		130637
★ QSSK-... 6	6	10		130638
★ QSSK-... 8	8	10		130639
★ QSSK-... 10	10	10		130640
★ QSSK-... 12	12	10		130641

Push-in L-connector



Type	D1	D2	PU	PN
★ QSL-... 4	4	10		153070
QSL-... 4	4	100		130740
★ QSL-... 6	6	10		153071
QSL-... 6	6	100		130741
★ QSL-... 8	8	10		153072
QSL-... 8	8	50		130742
★ QSL-... 10	10	10		153073
QSL-... 10	10	50		130743
★ QSL-... 12	12	10		153074
QSL-... 12	12	20		130744
★ QSL-... 16	16	1		153075

Push-in L-connector with push-in sleeve



Type	D1	D2	PU	PN
★ QSL-H-... 4	4	10		153056
QSL-H-... 4	4	100		130745
★ QSL-H-... 6	6	10		153057
★ QSL-H-... 8	8	10		153058
QSL-H-... 8	8	50		130747
★ QSL-H-... 10	10	10		153059
QSL-H-... 10	10	50		130748
★ QSL-H-... 12	12	10		153060
reducing				
★ QSL-H-... 6	4	10		153061
★ QSL-H-... 8	6	10		153062
★ QSL-H-... 10	8	10		153063
★ QSL-H-... 12	10	10		153064

Push-in L-connector with long push-in sleeve



Type	D1	D2	PU	PN
★ QSL-HL-... 4	4	10		153065
★ QSL-HL-... 6	6	10		153066
★ QSL-HL-... 8	8	10		153067
★ QSL-HL-... 10	10	10		153068
★ QSL-HL-... 12	12	10		153069

Push-in connector with push-in sleeve



Type	D1	D2	PU	PN
★ QSW-...HL 4	4	10		130617
★ QSW-...HL 6	6	10		130618
★ QSW-...HL 8	8	10		130619
★ QSW-...HL 10	10	10		130620
★ QSW-...HL 12	12	10		130621

Push-in Y-connector



Type	D1	D2	PU	PN
★ QSY-... 4	4	10		153148
QSY-... 4	4	100		130807
★ QSY-... 6	6	10		153149
QSY-... 6	6	100		130808
★ QSY-... 8	8	10		153150
QSY-... 8	8	50		130809
★ QSY-... 10	10	10		153151
QSY-... 10	10	20		130810
★ QSY-... 12	12	10		153152
QSY-... 12	12	20		130811
★ QSY-... 16	16	1		130609
reducing				
★ QSY-... 6	4	10		153153
QSY-... 6	4	100		130812
★ QSY-... 8	4	10		130610
★ QSY-... 8	6	10		153154
QSY-... 8	6	50		130813
★ QSY-... 10	6	10		130611
★ QSY-... 10	8	10		153155
QSY-... 10	8	20		130814
★ QSY-... 12	8	10		130612
★ QSY-... 12	10	10		153156
QSY-... 12	10	20		130815
★ QSY-... 16	12	1		190708

Push-in X-connector



Type	D1	D2	PU	PN
QSX-... 8	8	10		153285
QSX-... 10	10	10		153286
QSX-... 12	12	10		153287

Multiple distributor reducing



Type	D1	D2	PE	PN
QSQ-... 6	4	1		153209
QSQ-... 8	6	1		153210

Multiple distributor reducing



Type	D1	D2	PE	PN
QST3-... 6	4	1		153203
QST3-... 8	6	1		153204
QST3-... 10	8	1		153205

Legend

D1 Tubing diameter, external
D2 Tubing diameter, external 2
PN Part number
PU Packaging unit

Comment</

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

QS-B for core functions – Push-in fittings and connectors

Here you will find the optimum fittings in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination.



Standard: PEN/QS-B

Suitable for a wide range of tasks and attractively priced. Flexible thanks to highly resistant materials, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.

QS-B Mini

Push-in fitting



Type	D1	D2	PU	PN
QSM-B M3	3	20		132102
QSM-B M3	4	20		130894
QSM-B M5	3	20		132103
QSM-B M5	4	20		130895
QSM-B M5	6	20		130896
QSM-B R1/8	4	20		132104
QSM-B R1/8	6	20		132105

Push-in fitting
with internal hex



Type	D1	D2	PU	PN
QSM-B-I M3	3	20		132116
QSM-B-I M3	4	20		130909
QSM-B-I M5	3	20		132117
QSM-B-I M5	4	20		130910
QSM-B-I M5	6	20		130911
QSM-B-I M7	4	20		130912
QSM-B-I M7	6	20		130913
QSM-B-I R1/8	4	20		132118
QSM-B-I R1/8	6	20		132119

Push-in L-fitting



Type	D1	D2	PU	PN
QSML-B M3	3	20		132106
QSML-B M3	4	20		130899
QSML-B M5	3	20		132107
QSML-B M5	4	20		130900
QSML-B M5	6	20		130901
QSML-B M7	4	20		132108
QSML-B M7	6	20		132109
QSML-B R1/8	4	20		132110
QSML-B R1/8	6	20		132111

Push-in T-fitting



Type	D1	D2	PU	PN
QSMT-B M3	3	20		132112
QSMT-B M3	4	20		130904
QSMT-B M5	3	20		132113
QSMT-B M5	4	20		130905
QSMT-B M5	6	20		130906
QSMT-B R1/8	4	20		132114
QSMT-B R1/8	6	20		132115

Push-in fitting



Type	D1	D2	PU	PN
QS-B R1/8	4	20		130914
QS-B R1/8	6	20		130915
QS-B R1/8	8	20		130916
QS-B R1/8	10	20		132120
QS-B R1/4	4	20		130917
QS-B R1/4	6	20		130918
QS-B R1/4	8	20		130919
QS-B R1/4	10	20		132121
QS-B R1/4	12	20		132122
QS-B R3/8	6	10		130920
QS-B R3/8	8	10		130921
QS-B R3/8	10	10		130922
QS-B R3/8	12	10		132123
QS-B R3/8	16	10		132124
QS-B R1/2	10	10		130924
QS-B R1/2	12	10		130925
QS-B R1/2	16	10		132125

Push-in fitting
with internal hex



Type	D1	D2	PU	PN
QS-B-I R1/8	4	20		130990
QS-B-I R1/8	6	20		130991
QS-B-I R1/8	8	20		130992
QS-B-I R1/8	10	20		132151
QS-B-I R1/4	6	20		130994
QS-B-I R1/4	8	20		130995
QS-B-I R1/4	10	20		132152
QS-B-I R1/4	12	20		132153
QS-B-I R3/8	8	10		130997
QS-B-I R3/8	10	10		130998
QS-B-I R3/8	12	10		132154
QS-B-I R1/2	10	10		132000
QS-B-I R1/2	12	10		132001

Push-in L-fitting



Type	D1	D2	PU	PN
QSL-B R1/8	4	20		130926
QSL-B R1/8	6	20		130927
QSL-B R1/8	8	20		130928
QSL-B R1/8	10	20		132126
QSL-B R1/4	4	20		130929
QSL-B R1/4	6	20		130930
QSL-B R1/4	8	20		130931
QSL-B R1/4	10	20		132127
QSL-B R1/4	12	20		132128
QSL-B R3/8	6	10		130932
QSL-B R3/8	8	10		130933
QSL-B R3/8	10	10		130934
QSL-B R3/8	12	10		132129
QSL-B R3/8	16	10		132130
QSL-B R1/2	10	10		130936
QSL-B R1/2	12	10		130937
QSL-B R1/2	16	10		132131

Push-in long L-fitting



Type	D1	D2	PU	PN
QSL-L-B R1/8	4	20		132002
QSL-L-B R1/8	6	20		132003
QSL-L-B R1/8	8	20		132004
QSL-L-B R1/4	6	20		132006
QSL-L-B R1/4	8	20		132007
QSL-L-B R3/8	6	10		132008
QSL-L-B R3/8	8	10		132009
QSL-L-B R3/8	10	10		132010
QSL-L-B R1/2	10	10		132012
QSL-L-B R1/2	12	10		132013

Push-in T-fitting



Type	D1	D2	PU	PN
QST-B R1/8	4	20		130938
QST-B R1/8	6	20		130939
QST-B R1/8	8	20		130940
QST-B R1/8	10	20		132132
QST-B R1/4	4	20		130941
QST-B R1/4	6	20		130942
QST-B R1/4	8	20		130943
QST-B R1/4	10	20		132133
QST-B R1/4	12	20		132134
QST-B R3/8	6	10		130944
QST-B R3/8	8	10		130945
QST-B R3/8	10	10		130946
QST-B R3/8	12	10		132135
QST-B R3/8	16	10		132136
QST-B R1/2	10	10		130948
QST-B R1/2	12	10		130949
QST-B R1/2	16	10		132137

Push-in Y-fitting



Type	D1	D2	PU	PN
QSY-B R1/8	4	20		132014
QSY-B R1/8	6	20		132015
QSY-B R1/8	8	20		132016
QSY-B R1/4	4	20		132017
QSY-B R1/4	6	20		132018
QSY-B R1/4	8	20		132019
QSY-B R3/8	6	10		132020
QSY-B R3/8	8	10		132021
QSY-B R3/8	10	10		132022
QSY-B R1/2	10	10		132024
QSY-B R1/2	12	10		132025

QS-B connectors

Push-in connector



Type	D1	D2	PU	PN
QS-B	4	4	20	130964
QS-B	6	6	20	130965
QS-B	8	8	20	130966
QS-B	10	10	10	130967
QS-B	12	12	10	130968
QS-B	16	16	10	132144
reducing				
QS-B	6	4	20	130969
QS-B	8	4	20	132145
QS-B	8	6	20	130970
QS-B	10	6	10	132146
QS-B	10	8	10	130971
QS-B	12	8	10	132147
QS-B	12	10	10	130972

Push-in T-connector



Type	D1	D2	PU	PN
QST-B	4	4	20	130973
QST-B	6	6	20	130974
QST-B	8	8	20	130975
QST-B	10	10	10	130976
QST-B	12	12	10	130977
QST-B	16	16	10	132148

Push-in L-connector



Type	D1	D2	PU	PN
QSL-B	4	4	20	130950
QSL-B	6	6	20	130951
QSL-B	8	8	20	130952
QSL-B	10	10	10	130953
QSL-B	12	12	10	130954
QSL-B	16	16	10	132138

Push-in Y-connector



Type	D1	D2	PU	PN
QSY-B	4	4	20	130955
QSY-B	6	6	20	130956
QSY-B	8	8	20	130957
QSY-B	10	10	10	130958
QSY-B	12	12	10	130959
QSY-B	16	16	10	132139
reducing				
QSY-B	6	4	20	130960
QSY-B	8	4	20	132140
QSY-B	8	6	20	130961
QSY-B	10	6	10	132141
QSY-B	10	8	10	130962
QSY-B	12	8	10	132142
QSY-B	12	10	10	130963
QSY-B	16	12	10	132143



Legend
D1 Tubing diameter, external 1
D2 Tubing diameter, external 2
PN Part number
PU Packaging unit

Comment
All L and T fittings orientable 360°.



For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting



Metal and special push-in fittings/connectors

Here you will find the optimum fittings in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination.



High pressures:
PAN-MF/NPQM

Meets DIN standard 73378: ideal for use in mobile pneumatics. Suitable for increased temperature ranges combined with high pressure ranges.



Resistant to welding spatter:
PAN-V0/QS-V0

Safe even in the immediate vicinity of welding spatter thanks to the doublewalled tubing with special fitting.

NPQM

Push-in fitting
with internal hexagon socket



Type	D1	D2	PU	PN
NPQM-DK M5	4	20	558657	
NPQM-DK M5	6	20	558658	
NPQM-DK M7	4	20	558659	
NPQM-DK M7	6	20	558660	

Push-in fitting
female thread



Type	D1	D2	PU	PN
NPQM-D G1/8	4	10	558674	
NPQM-D G1/8	6	10	558675	
NPQM-D G1/8	8	10	558676	
NPQM-D G1/4	6	10	558678	
NPQM-D G1/4	8	10	558679	
NPQM-D G1/4	10	10	558680	

Push-in fitting



Type	D1	D2	PU	PN
NPQM-D G1/8	4	10	558661	
NPQM-D G1/8	6	10	558662	
NPQM-D G1/8	8	10	558663	
NPQM-D G1/4	6	10	558664	
NPQM-D G1/4	8	10	558665	
NPQM-D G1/4	10	10	558666	
NPQM-D G1/4	12	10	558667	
NPQM-D G3/8	8	10	558668	
NPQM-D G3/8	10	10	558669	
NPQM-D G3/8	12	10	558670	
NPQM-D G3/8	14	1	570450	
NPQM-D G1/2	10	10	558671	
NPQM-D G1/2	12	10	558672	
NPQM-D G1/2	14	1	570451	

Push-in L-fitting



Type	D1	D2	PU	PN
NPQM-L M5	4	10	558704	
NPQM-L M5	6	10	558705	
NPQM-L G1/8	4	10	558708	
NPQM-L G1/8	6	10	558709	
NPQM-L G1/8	8	10	558710	
NPQM-L G1/4	6	10	558711	
NPQM-L G1/4	8	10	558712	
NPQM-L G1/4	10	10	558713	
NPQM-L G1/4	12	10	558714	
NPQM-L G3/8	8	10	558715	
NPQM-L G3/8	10	10	558716	
NPQM-L G3/8	12	10	558717	
NPQM-L G3/8	14	10	570460	
NPQM-L G1/2	10	10	558718	
NPQM-L G1/2	12	1	558719	
NPQM-L G1/2	14	10	570461	

QS-V0

Push-in fitting



Type	D1	D2	PU	PN
QS-V0 R1/8	4	10	132888	
QS-V0 R1/8	6	10	160500	
QS-V0 R1/8	8	10	160501	
QS-V0 R1/4	6	10	160502	
QS-V0 R1/4	8	10	160503	
QS-V0 R1/4	10	10	160504	
QS-V0 R1/4	12	10	160505	
QS-V0 R3/8	8	10	160506	
QS-V0 R3/8	10	10	160507	
QS-V0 R3/8	12	10	160508	
QS-V0 R1/2	10	10	160509	
QS-V0 R1/2	12	10	160510	

Push-in L-fitting



Type	D1	D2	PU	PN
QSL-V0 R1/8	4	10	132891	
QSL-V0 R1/8	6	10	160511	
QSL-V0 R1/8	8	10	160512	
QSL-V0 R1/4	6	10	160513	
QSL-V0 R1/4	8	10	160514	
QSL-V0 R1/4	10	10	160515	
QSL-V0 R1/4	12	10	160516	
QSL-V0 R3/8	8	10	160517	
QSL-V0 R3/8	10	10	160518	
QSL-V0 R3/8	12	10	160519	
QSL-V0 R1/2	10	10	160520	
QSL-V0 R1/2	12	10	160521	

Push-in T-fitting



Type	D1	D2	PU	PN
QST-V0 G1/8	6	10	186336	
QST-V0 G1/8	8	10	186337	
QST-V0 G1/4	6	10	186338	
QST-V0 G1/4	8	10	186339	
QST-V0 G1/4	10	10	186340	
QST-V0 G1/4	12	10	186341	
QST-V0 G3/8	8	10	186342	
QST-V0 G3/8	10	10	186342	
QST-V0 G3/8	12	10	186343	
QST-V0 G1/2	10	10	186344	
QST-V0 G1/2	12	10	186345	

Push-in connector



Type	D1	PU	PN
QS-V0	4	10	132890
QS-V0	6	10	160546
QS-V0	8	10	160547
QS-V0	10	10	160548
QS-V0	12	10	160549

Push-in T-fitting



Type	D1	D2	PU	PN
NPQM-T G1/8	4	10	558736	
NPQM-T G1/8	6	10	558737	
NPQM-T G1/8	8	10	558738	
NPQM-T G1/4	6	10	558739	
NPQM-T G1/4	8	10	558740	
NPQM-T G1/4	10	10	558741	
NPQM-T G3/8	8	10	558743	
NPQM-T G3/8	10	10	558744	
NPQM-T G3/8	12	10	558745	
NPQM-T G1/2	12	10	558747	

Push-in L-fitting



Type	D1	D2	PU	PN
NPQM-LK M5	3	10	558816	
NPQM-LK M5	4	10	558817	
NPQM-LK G1/8	4	10	558818	
NPQM-LK G1/8	6	10	558819	
NPQM-LK G1/8	8	10	558820	
NPQM-LK G1/4	6	10	558821	
NPQM-LK G1/4	8	10	558822	
NPQM-LK G1/4	10	10	558823	
NPQM-LK G3/8	10	10	558825	

Push-in L-fitting



Type	D1	D2	PU	PN
NPQM-LH M5	4	10	558827	
NPQM-LH M5	6	10	558828	
NPQM-LH G1/8	4	10	558829	
NPQM-LH G1/8	6	10	558830	
NPQM-LH G1/8	8	10	558831	
NPQM-LH G1/4	6	10	558832	
NPQM-LH G1/4	8	10	558833	
NPQM-LH G3/8	8	10	558834	
NPQM-LH G3/8	10	10	558835	
NPQM-LH G3/8	12	10	558836	

Push-in sleeve



Type	D1	PU	PN
NPQM-D	4	10	558811
NPQM-D	6	10	558812
NPQM-D	8	10	558813
NPQM-D	10	10	558814
NPQM-D	12	10	558815
NPQM-D	14	1	570455

Push-in fitting



Type	D1	D2	PU	PN
QS-V0 G1/8	6	10	186314	
QS-V0 G1/8	8	10	186315	
QS-V0 G1/4	6	10	186316	
QS-V0 G1/4	8	10	186317	
QS-V0 G1/4	10	10	186318	
QS-V0 G1/4	12	10	186319	
QS-V0 G3/8	8	10	186320	
QS-V0 G3/8	10	10	186321	
QS-V0 G3/8	12	10	186322	
QS-V0 G1/2	10	10	186323	
QS-V0 G1/2	12	10	186324	

Push-in L-fitting



Type	D1	D2	PU	PN
QSL-V0 G1/8	6	10	186325	
QSL-V0 G1/8	8	10	186326	
QSL-V0 G1/4	6	10	186327	
QSL-V0 G1/4	8	10	186328	
QSL-V0 G1/4	10	10	186329	
QSL-V0 G1/4	12	10	186330	
QSL-V0 G3/8	8	10	186331	
QSL-V0 G3/8	10	10	186332	
QSL-V0 G3/8	12	10	186333	
QSL-V0 G1/2	10	10	186334	
QSL-V0 G1/2	12	10	186335	

Push-in T-connector



Type	D1	D2	PU	PN
QST-V0 R1/8	4	10	132894	
QST-V0 R1/8	6	10	160522	
QST-V0 R1/8	8	10	160523	
QST-V0 R1/4	6	10	160524	
QST-V0 R1/4	8	10	160525	
QST-V0 R1/4	10	10	160526	
QST-V0 R1/4	12	10	160527	
QST-V0 R3/8	8	10	160528	
QST-V0 R3/8	10	10	160529	
QST-V0 R3/8	12	10	160530	
QST-V0 R1/2	10	10	160531	
QST-V0 R1/2	12	10	160532	

Push-in L-fitting



Type	D1	PU	PN
QSL-V0	4	10	132893
QSL-V0	6	10	160540
QSL-V0	8	10	160541
QSL-V0	10	10	160542
QSL-V0	12	10	160543

Push-in T-fitting



Type	D1	PU	PN
QST-V0	4	10	132896
QST-V0	6	10	160533
QST-V0	8	10	160534
QST-V0	10	10	160535
QST-V0	12	10	160536

Push-in L-connector
with sleeve



Type	D1	D2	PU	PN
NPQM-L	4	4	10	558781
NPQM-L	6	6	10	558782
NPQM-L	8	8	10	558783
NPQM-L	10	10	10	558784

Push-in T-connector



Type	D1	D2	PU	PN
NPQM-T	4	4	10	558786
NPQM-T	6	6	10	558787
NPQM-T	8	8	10	558788
NPQM-T	10	10	10	558789
NPQM-T	12	10	10	558790
NPQM-T	14	14	10	570454

Push-in T-connector
with sleeve



Type	D1	D2	PU	PN
NPQM-T	4	4	10	558791
NPQM-T	6	6	10	558792
NPQM-T	8	8	10	558793
NPQM-T	10	10	10	558794

Multiple distributor



Type	D1	D2	PU	PN
NPQM-LFK G1/8	4	10	558837	
NPQM-LFK G1/8	6	10	558838	
NPQM-LFK G1/8	8	10	558839	
NPQM-LFK G1/4	6	10	558840	
NPQM-LFK G1/4	8	10	558841	

Push-in L-connector



Type	D1	D2	PU	PN
NPQM-L	4	4	10	558776
NPQM-L	6	6	10	558777
NPQM-L	8	8	10	558778
NPQM-L	10	10	10	558779
NPQM-L	12	12	10	558780
NPQM-L	14	14	1	570453

Straight plug connector
with sleeve



NPQM-D	4	6	10	558765
NPQM-D	4	8	10	558766
NPQM-D	6	4	10	558767
NPQM-D	6	8	10	558768
NPQM-D	6	10	10	558769
NPQM-D	6	12	10	558770
NPQM-D	6	14	1	570457
NPQM-D	8	6	10	558771
NPQM-D	8	10	10	558772
NPQM-D	8	12	10	558773
NPQM-D	8	14	1	570458
NPQM-D	10	12	1	558774
NPQM-D	10	14	1	570456
NPQM-D	12	14	1	570459

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting



Polypropylene fittings

Here you will find the optimum fittings in polymer design for applications shown opposite.

With appropriate tubing from poster 8 „Plastic tubing“ you will always obtain the right tubing/fitting combination.



Resistant to chemicals:
PLN/NPQP

Resistant to cleaning agents,
FDA compliant and economical.
Can be used instead of the
combination with stainless steel
fittings.



Hydrolysis resistant:
PUN-H/NPKA

Hydrolysis resistant and suitable for
water applications. Combination
suitable for use in clean rooms, FDA
compliant and corrosion resistant
because it's 100% polymer.
Very easy to install thanks to the
“one click principle”.

NPQP

Push-in fitting



Type	D1	D2	PU	PN
NPQP-D	R1/8	4	10	133041
NPQP-D	R1/8	6	10	133043
NPQP-D	R1/8	8	10	133045
NPQP-D	R1/4	4	10	133042
NPQP-D	R1/4	6	10	133044
NPQP-D	R1/4	8	10	133046
NPQP-D	R1/4	10	10	133047
NPQP-D	R3/8	10	10	133048
NPQP-D	R3/8	12	10	133049
NPQP-D	R1/2	12	1	133050

Push-in L-fitting



Type	D1	D2	PU	PN
NPQP-L	R1/8	4	10	133051
NPQP-L	R1/8	6	10	133053
NPQP-L	R1/8	8	10	133055
NPQP-L	R1/4	4	10	133052
NPQP-L	R1/4	6	10	133054
NPQP-L	R1/4	8	10	133056
NPQP-L	R1/4	10	10	133057
NPQP-L	R3/8	10	10	133058
NPQP-L	R3/8	12	10	133059
NPQP-L	R1/2	12	1	133060

Push-in L-fitting additional push-in connector



Type	D1	D2	PU	PN
NPQP-LQ	R1/8	4	10	133061
NPQP-LQ	R1/8	6	10	133063
NPQP-LQ	R1/8	8	10	133065
NPQP-LQ	R1/4	4	10	133062
NPQP-LQ	R1/4	6	10	133064
NPQP-LQ	R1/4	8	10	133066
NPQP-LQ	R1/4	10	10	133067
NPQP-LQ	R3/8	10	10	133068
NPQP-LQ	R3/8	12	10	133069
NPQP-LQ	R1/2	12	1	133070

Push-in T-fitting



Type	D1	D2	PU	PN
NPQP-T	R1/8	4	10	133071
NPQP-T	R1/8	6	10	133073
NPQP-T	R1/8	8	10	133075
NPQP-T	R1/4	4	10	133072
NPQP-T	R1/4	6	10	133074
NPQP-T	R1/4	8	10	133076
NPQP-T	R1/4	10	10	133077
NPQP-T	R3/8	10	10	133078
NPQP-T	R3/8	12	10	133079
NPQP-T	R1/2	12	1	133080

Push-in Y-fitting



Type	D1	D2	PU	PN
NPQP-Y	R1/8	4	10	133081
NPQP-Y	R1/8	6	10	133083
NPQP-Y	R1/8	8	10	133085
NPQP-Y	R1/4	4	10	133082
NPQP-Y	R1/4	6	10	133084
NPQP-Y	R1/4	8	10	133086
NPQP-Y	R1/4	10	10	133087
NPQP-Y	R3/8	10	10	133088
NPQP-Y	R3/8	12	10	133089
NPQP-Y	R1/2	12	1	133090

Click fitting with internal hexagon socket



Type	D1	D2	PU	PN
NPKA-D	G1/8	6	10	1243489

Click L-fitting



Type	D1	D2	PU	PN
NPKA-L	G1/8	6	10	1655429

Click T-fitting



Type	D1	D2	PU	PN
NPKA-T	6	6	10	1590710

Push-in connector



Type	D1	D2	PU	PN
NPQP-D	4	4	10	133091
NPQP-D	6	6	10	133092
NPQP-D	8	8	10	133093
NPQP-D	10	10	10	133094
NPQP-D	12	12	10	133095
reducing				
NPQP-D	6	4	10	133096
NPQP-D	8	6	10	133097
NPQP-D	10	8	10	133098
NPQP-D	12	10	10	133099

Push-in L-connector



Type	D1	D2	PU	PN
NPQP-L	4	4	10	133105
NPQP-L	6	6	10	133106
NPQP-L	8	8	10	133107
NPQP-L	10	10	10	133108
NPQP-L	12	12	10	133109

Push-in T-connector



Type	D1	D2	PU	PN
NPQP-T	4	4	10	133110
NPQP-T	6	6	10	133111
NPQP-T	8	8	10	133112
NPQP-T	10	10	10	133113
NPQP-T	12	12	10	133114
reducing				
NPQP-T	6	4	10	133115
NPQP-T	8	6	10	133116
NPQP-T	10	8	10	133117
NPQP-T	12	10	10	133118

Push-in Y-fitting



Type	D1	D2	PU	PN
NPQP-Y	4	4	10	133119
NPQP-Y	6	6	10	133120
NPQP-Y	8	8	10	133121
NPQP-Y	10	10	10	133122
NPQP-Y	12	12	10	133123
reducing				
NPQP-Y	6	4	10	133124
NPQP-Y	8	6	10	133125
NPQP-Y	10	8	10	133126
NPQP-Y	12	10	10	133127

Push-in bulkhead connector



Type	D1	PU	PN
NPQP-H	4	1	133100
NPQP-H	6	1	133101
NPQP-H	8	1	133102
NPQP-H	10	1	133103
NPQP-H	12	1	133104

Push-in fitting with sleeve



Type	D1	D2	PU	PN
NPQP-D	4	6	10	133133
NPQP-D	4	8	10	133134
NPQP-D	6	8	10	133135
NPQP-D	6	10	10	133136
NPQP-D	8	10	10	133137
NPQP-D	8	12	10	133138
NPQP-D	10	12	10	133139

Blanking plug



Type	D1	PU	PN
NPQP-P	4	10	133128
NPQP-P	6	10	133129
NPQP-P	8	10	133130
NPQP-P	10	10	133131
NPQP-P	12	10	133132



Legend

D1 Tubing diameter, external 1
D2 Tubing diameter, external 2
PN Part number
PU Packaging unit

Comment

All L and T fittings orientable 360°.

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

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QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting



Metal and special fittings/connectors



Resistant to chemicals, food safe, hydrolysis resistant, pressure resistant, resistant to welding spatter

NPQH

Push-in fitting
male thread with
external hexagon



Type	D1	D2	PU	PN
NPQH-D M5	4	10	578334	
NPQH-D M5	6	10	578335	
NPQH-D M7	4	10	578336	
NPQH-D M7	6	10	578337	
NPQH-D G1/8 4	10	578338		
NPQH-D G1/8 6	10	578339		
NPQH-D G1/8 8	10	578340		
NPQH-D G1/4 6	10	578341		
NPQH-D G1/4 8	10	578342		
NPQH-D G1/4 10	10	578343		
NPQH-D G1/4 12	10	578344		
NPQH-D G3/8 8	10	578345		
NPQH-D G3/8 10	10	578346		
NPQH-D G3/8 12	10	578347		
NPQH-D G3/8 14	10	578348		
NPQH-D G1/2 10	1	578349		
NPQH-D G1/2 12	1	578350		
NPQH-D G1/2 14	1	578351		

Push-in fitting
male thread with
internal hexagon



Type	D1	D2	PU	PN
NPQH-DK M5	4	10	578370	
NPQH-DK M5	6	10	578371	
NPQH-DK M7	4	10	578372	
NPQH-DK M7	6	10	578373	
NPQH-DK G1/8 4	10	578374		
NPQH-DK G1/8 6	10	578375		
NPQH-DK G1/8 8	10	578376		
NPQH-DK G1/4 8	10	578377		
NPQH-DK G1/4 10	10	578378		
NPQH-DK G3/8 12	10	578379		

Push-in fitting
with sleeve



Type	D1	D2	PU	PN
NPQH-D M5	4	10	578358	
NPQH-D M5	6	10	578359	
NPQH-D G1/8 4	10	578360		
NPQH-D G1/8 6	10	578361		
NPQH-D G1/8 8	10	578362		
NPQH-D G1/4 6	10	578363		
NPQH-D G1/4 8	10	578364		
NPQH-D G1/4 10	10	578365		
NPQH-D G1/4 12	10	578366		
NPQH-D G3/8 10	10	578367		
NPQH-D G3/8 12	10	578368		
NPQH-D G1/2 12	1	578369		

Push-in long L-fitting
male thread with
external hexagon



Type	D1	D2	PU	PN
NPQH-LL G1/8 4	10	578263		
NPQH-LL G1/8 6	10	578264		
NPQH-LL G1/8 8	10	578265		
NPQH-LL G1/4 6	10	578266		
NPQH-LL G1/4 8	10	578267		
NPQH-LL G1/4 10	10	578268		
NPQH-LL G3/8 10	10	578269		

Push-in L-fitting
male thread with
external hexagon



Type	D1	D2	PU	PN
NPQH-L M5	4	10	578276	
NPQH-L M5	6	10	578277	
NPQH-L M7	4	10	578278	
NPQH-L M7	6	10	578279	
NPQH-L G1/8 4	10	578280		
NPQH-L G1/8 6	10	578281		
NPQH-L G1/8 8	10	578282		
NPQH-L G1/4 6	10	578283		
NPQH-L G1/4 8	10	578284		
NPQH-L G1/4 10	10	578285		
NPQH-L G1/4 12	10	578286		
NPQH-L G3/8 8	10	578287		
NPQH-L G3/8 10	10	578288		
NPQH-L G3/8 12	10	578289		
NPQH-L G3/8 14	10	578290		
NPQH-L G1/2 10	1	578291		
NPQH-L G1/2 12	1	578292		
NPQH-L G1/2 14	1	578293		

Push-in fitting
female thread with
external hexagon



Type	D1	D2	PE	PN
NPQH-D G1/8F 4	10	578352		
NPQH-D G1/8F 6	10	578353		
NPQH-D G1/8F 8	10	578354		
NPQH-D G1/4F 4	10	578355		
NPQH-D G1/4F 6	10	578356		
NPQH-D G1/4F 8	10	578357		

Push-in T-fitting
male thread with
external hexagon



Type	D1	D2	PU	PN
NPQH-T M5	4	10	578390	
NPQH-T M5	6	10	578391	
NPQH-T G1/8 4	10	578392		
NPQH-T G1/8 6	10	578393		
NPQH-T G1/8 8	10	578394		
NPQH-T G1/4 6	10	578395		
NPQH-T G1/4 8	10	578396		
NPQH-T G1/4 10	10	578397		
NPQH-T G1/4 12	10	578398		
NPQH-T G3/8 8	10	578399		
NPQH-T G3/8 10	10	578400		
NPQH-T G3/8 12	10	578401		
NPQH-T G1/2 10	1	578402		
NPQH-T G1/2 12	1	578403		

Push-in bulkhead fitting
female thread with
external hexagon



Type	D1	D2	PU	PN
NPQH-H G1/8F 4	10	578294		
NPQH-H G1/8F 6	10	578295		
NPQH-H G1/8F 8	10	578296		
NPQH-H G1/4F 6	10	578297		
NPQH-H G1/4F 8	10	578298		

Push-in connector



Type	D1	D2	PU	PN
NPQH-D 4 4	10	578323		
NPQH-D 6 6	10	578324		
NPQH-D 8 8	10	578325		
NPQH-D 10 10	10	578326		
NPQH-D 12 12	10	578327		
NPQH-D 14 14	10	578328		
reducing				
NPQH-D 6 4	10	578329		
NPQH-D 8 6	10	578330		
NPQH-D 12 8	10	578331		
NPQH-D 14 10	10	578332		
NPQH-D 14 12	10	578333		

Push-in connector
with sleeve



Type	D1	D2	PU	PN
NPQH-D 4 6	10	578304		
NPQH-D 4 8	10	578305		
NPQH-D 4 10	10	578307		
NPQH-D 6 8	10	578306		
NPQH-D 6 10	10	578308		
NPQH-D 6 12	10	578310		
NPQH-D 6 14	10	578313		
NPQH-D 8 10	10	578309		
NPQH-D 8 12	10	578311		
NPQH-D 8 14	10	578314		
NPQH-D 10 12	10	578312		
NPQH-D 10 14	10	578315		
NPQH-D 12 14	10	578316		

Push-in T-connector



Type	D1	D2	PU	PN
NPQH-T 4 4	10	578380		
NPQH-T 6 6	10	578381		
NPQH-T 8 8	10	578382		
NPQH-T 10 10	10	578383		
NPQH-T 12 12	10	578384		
NPQH-T 14 14	10	578385		
reducing				
NPQH-T 6 4	10	578386		
NPQH-T 8 6	10	578387		
NPQH-T 10 8	10	578388		
NPQH-T 12 10	10	578389		

Push-in bulkhead connector



Type	D1	D2	PU	PN
NPQH-H 4 4	10	578299		
NPQH-H 6 6	10	578300		
NPQH-H 8 8	10	578301		
NPQH-H 10 10	10	578302		
NPQH-H 12 12	10	578303		

Push-in L-connector



Type	D1	D2	PU	PN
NPQH-L 4 4	10	578270		
NPQH-L 6 6	10	578271		
NPQH-L 8 8	10	578272		
NPQH-L 10 10	10	578273		
NPQH-L 12 12	10	578274		
NPQH-L 14 14	10	578275		

Push-in L-connector



Type	D1	D2	PU	PN
NPQH-Y 6 6	10	578410		
NPQH-Y 8 8	10	578411		
NPQH-Y 10 10	10	578412		
reduzierend				
NPQH-Y 6 4	10	578413		
NPQH-Y 8 6	10	578414		
NPQH-Y 10 8	10	578415		

Blanking plug



Type	D1	PU	PN
NPQH-P 4 10	578257		
NPQH-P 6 10	578258		
NPQH-P 8 10	578259		
NPQH-P 10 10	578260		
NPQH-P 12 10	578261		
NPQH-P 14 10	578262		

Push-in sleeve



Type	D1	D2	PU	PN
NPQH-D 4 4	10	578317		
NPQH-D 6 6	10	578318		
NPQH-D 8 8	10	578319		
NPQH-D 10 10	10	578320		
NPQH-D 12 12	10	578321		
NPQH-D 14 14	10	578322		

Plug screw



Type	D1	PU	PN
NPQH-BK M5	10	578404	
NPQH-BK M7	10	578405	
NPQH-BK G1/8	10	578406	
NPQH-BK G1/4	10	578407	
NPQH-BK G3/8	10	578408	
NPQH-BK G1/2	1	578409	

Resistant to chemicals

CRQS, Stainless steel

Push-in connector



Type	D1	D2	PU	PN
CRQS M5	4	1	162860	
CRQS M5	6	1	162861	

Push-in fitting



Type	D1	D2	PU	PN
CRQS R1/8 4	1	132643		
CRQS R1/8 6	1	162862		
CRQS R1/8 8	1	162863		
CRQS R1/4 6	1	132644		
CRQS R1/4 8	1	162864		
CRQS R1/4 10	1	162865		
CRQS R3/8 10	1	162866		
CRQS R3/8 12	1	162867		
CRQS R1/2 12	1	162868		
CRQS R1/2 16	1	162869		

Push-in fitting
with internal hex



Type	D1	D2	PU	PN
CRQS M5	4	1	132328	
CRQS M5	6	1	132329	
CRQS R1/8 6	1	132330		
CRQS R1/8 8	1	132331		
CRQS R1/4 8	1	132332		
CRQS R1/4 10	1	132333		
CRQS R3/8 10	1	132334		
CRQS R3/8 12	1	132335		
CRQS R1/2 12	1	132336		
CRQS R1/2 16	1	132337		

Push-in connector



Type	D1	D2	PU	PN
CRQS 4 4	1	130645		
CRQS 6 6	1	130646		
CRQS 8 8	1	130647		
CRQS 10 10	1	130648		
CRQS 12 12	1	130649		
CRQS 16 16	1	130650		
reducing				
CRQS 6 4	1	130651		
CRQS 8 6	1	130652		
CRQS 10 8	1	130653		
CRQS 12 10	1	130654		
CRQS 16 12	1	130655		



Clean Design

NPCK, Stainless steel

Clean Design fitting





Type	D1	D2	PU	PN
NPCK	M5	4	1	1857681
NPCK	G1/8	6	1	1366257
NPCK	G1/8	8	1	1490383
NPCK	G1/4	8	1	1691701
NPCK	G1/4	10	1	1489336
NPCK	G3/8	10	1	1489614

For quick and reliable selection at the office and in the workshop

This page provides an overview of all included posters!

	Poster	Types	Applications
QS QS-Mini	Push-in fittings Part 1 of 2	• Straight and L- shaped • Push-in bulkhead fittings • Push-in fittings, self-sealing	• Standard
QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

Plastic tubing, standard O.D.

Here you will find appropriate tubing for optimum tubing/fitting combinations.



Plastic tubing

Standard



PUN	PU 3	PU 4	PU 6	PU 8	PU 10	PU 12	PU 14	PU 16
silver	50 ★152583	50 ★152584	50 ★152586	50 ★152587	50 ★152588	50 ★152589	50 ★570389	50 ★152590
	500 525738	500 525739	500 525740	500 525741	300 525742	200 525743		100 525744
blue	50 ★159660	50 ★159662	50 ★159664	50 ★159666	50 ★159668	50 ★159670	50 ★570390	50 ★159672
	500 525745	500 525746	500 525747	400 525748	300 525749	200 525750		100 525751
black	50 ★159661	50 ★159663	50 ★159665	50 ★159667	50 ★159669	50 ★159671	50 ★570391	50 ★159673
	500 553936	500 553937	500 553938	400 553939	300 553940	200 553941		100 553942
yellow	50 178416	50 178417	50 178418	50 178419	50 178420	50 178421		50 178422
green	50 178423	50 178424	50 178425	50 178426	50 178427	50 178428		50 178429
red	50 178409	50 178410	50 178411	50 178412	50 178413	50 178414		50 178415

PUN-DUO	PU 4	PU 6	PU 8	PU 10
silver	50 152822	50 152823	50 152824	50 152825
blue/black	50 159674	50 159675	50 159676	50 159677

PEN	PU 4	PU 6	PU 8	PU 10	PU 12	PU 14	PU 16
nature	50 543246	50 543247	50 543248	50 543249	50 543250	50 570517	50 543251
silver	50 551462	50 551463	50 551464	50 551465	50 551466	50	50 551467
	500 551450	500 551451	400 551452	300 551453	200 551454	200	100 551455
blue	50 551456	50 551457	50 551458	50 551459	50 551460	50	50 551461
	500 551444	500 551445	400 551446	300 551447	200 551448	200	100 551449
black	50 543240	50 543241	50 543242	50 543243	50 543244	50 570516	50 543245
	500 551438	500 551439	400 551440	300 551441	200 551442	200	100 551443
green	50 551468	50 551469	50 551470	50 551471	50 551772	50	50 551473
red	50 551474	50 551475	50 551776	50 551477	50 551478	50	50 551479
yellow	50 551480	50 551481	50 551482	50 551483	50 551484	50	50 551485

Food safe



Hydrolysis-resistant



Resistant to chemicals



Media and heat-resistant



Antistatic



Pressure resistant up to 14 bar



Pressure resistant up to 31 bar

Pressure resistant up to 35 bar

Flame-retardant



Resistant to welding spatter



PUN-CM	PU 4	PU 6	PU 8	PU 10	PU 12
black	50 188882	50 188882	50 130816	50 130817	50 130818

PAN	PU 4	PU 6	PU 8	PU 10	PU 12	PU 14	PU 16
nature	50 546284	50 546285	50 546286	50 546287	50 546288		50 546289
silver	50 152697	50 152699	50 152700	50 152701	50 152702	50 570392	50 152703
	500 553888	500 553889	400 553890	300 553891	200 553892		100 553893
blue	50 553906	50 553907	50 553908	50 553909	50 553910		50 553911
	500 553894	500 553895	400 553896	300 553897	200 553898		100 553899
black	50 553912	50 553913	50 553914	50 553915	50 553916		50 553917
	500 553900	500 553901	400 553902	300 553903	200 553904		100 553905
green	50 553918	50 553919	50 553920	50 553921	50 553922		50 553923
red	50 553924	50 553925	50 553926	50 553927	50 553928		50 553929
yellow	50 553930	50 553931	50 553932	50 553933	50 553934		50 553935

PAN-MF	PU 4	PU 6	PU 8	PU 10	PU 12	PU 14	PU 16
black	50 570357	50 570358	50 570359	50 570360	50 570361	50 570362	50 570363
	500 572091	500 572093					
nature	50 572083	50 572085	50 572087	50 572089	50 572090		
green	50 572084	50 572086	50 572088				
	500 572092	500 572094					

PAN-R	PU 4	PU 6	PU 8	PU 10	PU 12		PU 16
silver	50 541674	50 541675	50 541676	50 541677	50 541678		50 541679

PUN-V0	PU 6	PU 8	PU 10		PU 16
black	50 525438	50 525439	50 525440		50 570767
blue	50 525442	50 525443	50 525444		50 570768
green	50 525446	50 525447	50 525448		
red	50 525450	50 525451	50 525452		
white	50 525454	50 525455	50 525456		
yellow	50 525458	50 525459	50 525460		
brown	50 525462	50 525463	50 525464		

PUN-V0-C	PU 4	PU 6	PU 8	PU 10	PU 12	PU 14	PU 16
black	50 570349	50 561698	50 561699	50 561700	50 561701	50 570351	50 570353
blue	50 570350	50 561702	50 561703	50 561704	50 561705	50 570352	50 570354
green		50 561706	50 561707	50 561708	50 561709		
red		50 561710	50 561711	50 561712	50 561713		
white		50 561714	50 561715	50 561716	50 561717		
yellow		50 561718	50 561719	50 561720	50 561721		
brown		50 561722	50 561723	50 561724	50 561725		

PAN-V0	PU 4	PU 6	PU 8	PU 10	PU 12
black		50 160550	50 160551	50 160552	50 160553
blue	50 132899	50 132905	50 132906	50 132907	20 525469
green		20 525470	20 525471	20 525472	20 525473
red		20 525474	20 525475	20 525476	20 525477
white		20 525478	20 525479	20 525480	20 525481
yellow		20 525482	20 525483	20 525484	20 525485
brown		20 525486	20 525487	50 525488	20 525489

Tubing cutter



Type	D1	PN
PAN-V0S	6/8	160554
PAN-V0S	10/12	160555

Pipe cutter



Type	PN
ZRS	7658
Spare blade	218606

Tubing connector



Type	Bundle-Ø (mm)	PN
PB	30	6741
PB	45	6742
PB	100	6743

Threaded sealing tape



Type	PN
GWB-0,1	9076

Tube support elbow NPAW



Type	Size	PN
NPAW-S-T3	small	554026
NPAW-S-T3	medium	554027
NPAW-S-T3	large	554028

Legende

PN Part number
PU Packaging unit

★ Quick ordering of basic designs



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QS	Push-in fittings Part 2 of 2	• L, T, Y-shaped • Multiple distributor	• Standard
QS QS-Mini	Push-in connectors	• Straight, T, L, X, Y-shaped • With push-in sleeve • Push-in bulkhead fittings and push-in fittings, self-sealing • Blanking plugs • Multiple distributor	• Standard
QS-B QS-B Mini	Push-in fittings and connectors for core functions	• Straight, T, L, L-Long, X, Y-shaped	• Standard
NPQM QS-V0	Metal and special push-in fittings/connectors	• Push-in fittings, straight, T, L-shaped • Push-in connectors, straight, with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings	• High pressures • Antistatic • Flame-retardant • Resistant to welding spatter
NPQP NPKA	Polypropylene fittings	• Push-in fittings, straight, T, L, Y-shaped • Push-in connectors with push-in sleeve, L, T, Y-shaped, Push-in bulkhead fittings • Blanking plugs	• Media resistant • Food safe • Hydrolysis resistant
NPQH CRQS NPCK	Metal and special fittings/connectors	• Nickel-plated brass, stainless steel • Push-in fittings straight, with push-in sleeve, T, L-shaped • Push-in connectors straight, T, L-shaped, Push-in bulkhead fittings • Blanking plugs	• Resistant to chemicals, • Food safe • Hydrolysis resistant • Robust • Resistant to high temperatures
PUN-... PAN-... PEN PFAN PLN	Plastic tubing	• Standard O.D. • Different materials • Standard and bulk packs	• For all applications
NPFC GRLA/GRLZ/GRLO VFOC/VFOF HGL VBNF GRXA-HG	Threaded fittings, Non-return valves, One-way flow control and flow control valves	• Threaded fittings, Nickel-plated brass • Function fittings, Metall or plastic	• For all applications • Robust and compact • Easy and quick mounting

Threaded fittings, Non-return valves, One-way flow control and flow control valves



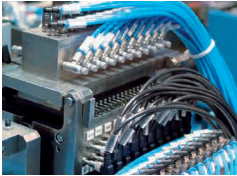
Diverse ...



Robust ...



Extensive range



Reliable application



Flow on demand

Threaded fittings NPFC

Sleeve



Type	D1	PU	PN
NPFC-S M5	10	8030290	
NPFC-S G1/8	10	8030291	
NPFC-S G1/4	10	8030292	
NPFC-S G3/8	10	8030293	
NPFC-S G1/2	10	8030294	
NPFC-S G3/4	10	8030295	

Reducing sleeve



Type	D1	D2	PU	PN
NPFC-R G1/8 G3/8	10	8030296		
NPFC-R G1/2 G3/4	10	9030297		

Extension



Type	D1	D2	PU	TN
NPFC-E1 G1/8 G1/8	10	8030298		
NPFC-E1 G1/4 G1/4	10	8030299		
NPFC-E1 G3/8 G3/8	10	8030300		
NPFC-E1 G1/2 G1/2	10	8030301		
NPFC-E2 G1/8 G1/8	10	8030302		
NPFC-E2 G1/4 G1/4	10	8030303		
NPFC-E3 G1/8 G1/8	10	8030304		
NPFC-E3 G1/4 G1/4	10	8030305		
NPFC-E4 G1/8 G1/8	10	8030306		

Double nipple



Type	D1	D2	PU	PN
NPFC-D M5 M5	10	8030267		
NPFC-D M7 G1/8	10	8030268		
NPFC-D G1/8 G1/8	10	8030269		
NPFC-D G1/8 G1/4	10	8030270		
NPFC-D G1/8 G3/8	10	8030271		
NPFC-D G1/4 G1/4	10	8030272		
NPFC-D G1/4 G3/8	10	8030273		
NPFC-D G1/4 G1/2	10	8030274		
NPFC-D G3/8 G3/8	10	8030275		
NPFC-D G3/8 G1/2	10	8030276		
NPFC-D G1/2 G1/2	10	8030277		
NPFC-D R1/8 R1/8	10	8030278		
NPFC-D R1/8 R1/4	10	8030279		
NPFC-D R1/8 R3/8	10	8030280		
NPFC-D R1/4 R1/4	10	8030281		
NPFC-D R1/4 R3/8	10	8030282		
NPFC-D R1/4 R1/2	10	8030283		
NPFC-D R3/8 R3/8	10	8030284		
NPFC-D R3/8 R1/2	10	8030285		
NPFC-D R1/2 R1/2	10	8030286		
NPFC-D R1/2 R3/4	10	8030287		
NPFC-D R3/4 R3/4	10	8030288		
NPFC-D R1 R1	10	8030289		

Reducing nipple with female thread



Type	D1	D2	PU	PN
NPFC-R M5 G1/8	10	8030314		
NPFC-R G1/8 G1/4	10	8030315		
NPFC-R G1/8 G3/8	10	8030316		
NPFC-R G1/4 G3/8	10	8030317		
NPFC-R G3/8 G1/2	10	8030318		

Reducing nipple male thread/female thread



Type	D1	D2	PU	PN
NPFC-R G1/8 M5	10	8030307		
NPFC-R G1/4 G1/8	10	8030308		
NPFC-R G3/8 G1/8	10	8030309		
NPFC-R G3/8 G1/4	10	8030310		
NPFC-R G1/2 G1/4	10	8030311		
NPFC-R G1/2 G3/8	10	8030312		
NPFC-R G3/4 G1/2	10	8030313		

Push-in L-fitting male thread/female thread



Type	D1	D2	PU	PN
NPFC-L M5 M5	10	8030215		
NPFC-L G1/8 R1/8	10	8030216		
NPFC-L G1/4 R1/4	10	8030217		
NPFC-L G3/8 R3/8	10	8030218		
NPFC-L G1/2 R1/2	10	8030219		
NPFC-L G3/4 R3/4	10	8030220		
NPFC-L G1 R1	10	8030221		

Push-in L-fitting with male thread



Type	D1	PU	PN
NPFC-L M5	10	8030222	
NPFC-L R1/8	10	8030223	
NPFC-L R1/4	10	8030224	
NPFC-L R3/8	10	8030225	
NPFC-L R1/2	10	8030226	
NPFC-L R3/4	10	8030227	

Push-in T-fitting with female thread



Type	D1	PU	TN
NPFC-T G1/8	10	8030235	
NPFC-T G1/4	10	8030236	
NPFC-T G3/8	10	8030237	
NPFC-T G1/2	10	8030238	
NPFC-T G3/4	10	8030239	
NPFC-T G1	10	8030240	

Push-in T-fitting female thread/male thread/female thread



Type	D1	D2	PU	PN
NPFC-T M5 M5	10	8030245		
NPFC-T G1/8 R1/8	10	8030246		
NPFC-T G1/4 R1/4	10	8030247		
NPFC-T G3/8 R3/8	10	8030248		
NPFC-T G1/2 R1/2	10	8030249		
NPFC-T G3/4 R3/4	10	8030250		
NPFC-T G1 R1	10	8030251		

Push-in T-fitting male thread



Type	D1	PU	PN
NPFC-T R1/4	10	8030252	
NPFC-T R3/8	10	8030253	
NPFC-T R1/2	10	8030254	

Push-in T-fitting male thread/male thread/female thread



Type	D1	D2	PU	PN
NPFC-T R1/8 G1/8	10	8030259		
NPFC-T R1/4 G1/4	10	8030260		
NPFC-T R1/2 G1/2	10	8030261		

Push-in T-fitting male thread/female thread/female thread



Type	D1	D2	PU	TN
NPFC-T R1/8 G1/8	10	8030241		
NPFC-T R1/4 G1/4	10	8030242		
NPFC-T R3/8 G3/8	10	8030243		
NPFC-T R1/2 G1/2	10	8030244		

Push-in T-fitting female thread/male thread/male thread



Type	D1	D2	PU	PN
NPFC-T G1/8 R1/8	10	8030255		
NPFC-T G1/4 R1/4	10	8030256		
NPFC-T G3/8 R3/8	10	8030257		
NPFC-T G1/2 R1/2	10	8030258		

Push-in Y-fitting male thread/female thread/female thread



Type	D1	D2	PU	PN
NPFC-Y R1/8 G1/8	10	8030231		
NPFC-Y R1/4 G1/4	10	8030232		
NPFC-Y R3/8 G3/8	10	8030233		
NPFC-Y R1/2 G1/2	10	8030234		

Push-in Y-fitting with female thread



Type	D1	PU	PN
NPFC-Y G1/4	10	8030228	
NPFC-Y G3/8	10	8030229	
NPFC-Y G1/2	10	8030230	

Push-in X-fitting with female thread



Type	D1	PU	PN
NPFC-X G1/4	10	8030262	
NPFC-X G3/8	10	8030263	
NPFC-X G1/2	10	8030264	

Push-in X-fitting male thread/female thread/female thread/female thread



Type	D1	D2	PU	PN
NPFC-X G1/4 R1/4	10	8030265		
NPFC-X G1/2 R1/2	10	8030266		

Standard application, D¹¹ series



Type	D2	D1	qnN	PN
★ GRLA M5	3	100/100	193137	
★ (exhaust air) M5	4	100/110	193138	
★ M5	6	115/110	193139	
★ G1/8	3	130/130	193142	
★ G1/8	4	160/190	193143	
★ G1/8	6	185/240	193144	
★ G1/8	6	400/420	537075	
★ G1/8	8	215/250	193145	
★ G1/8	8	475/500	537076	
★ G1/4	6	400/420	193146	
★ G1/4	8	475/500	193147	
★ G1/4	10	480/500	193148	
★ G3/8	6	495/495	193149	
★ G3/8	8	820/850	193150	
★ G3/8	10	900/975	193151	
★ G1/2	12	1580/1605	193152	
★ GRLZ M5	3	100/100	193153	
★ (supply air) M5	4	110/65	193154	
★ M5	6	115/70	193155	
★ G1/8	3	130/100	193156	
★ G1/8	4	160/120	193157	
★ G1/8	6	185/160	193158	
★ G1/8	8	215/175	193159	



Type	D2	D1	qnN	PN
★ GRLA M5	3	100/100	197576	
★ (exhaust air) M5	4	100/110	197577	
★ M5	6	115/110	197578	
★ G1/8	3	130/130	197579	
★ G1/8	4	160/190	197580	
★ G1/8	6	185/240	197581	
★ G1/8	8	215/250	534337	
★ G1/4	6	400/420	534338	
★ G1/4	8	475/500	534339	
★ G1/4	10	480/500	534340	
★ G3/8	6	495/495	534341	
★ G3/8	8	820/850	534342	
★ G3/8	10	900/975	534343	
★ G1/2	12	1580/1605	534344	

Standard application, B²⁰ series



Type	D2	D1	qnN	PN
VFOC Steckhülse	4	100/100	559723	
(supply air) Steckhülse	6	270/260	559724	



Type	D2	D1	qnN	PN
GRLA G1/8	6	400/420	162965	
(exhaust air) G1/8	8	475/500	162966	
G1/4	6	495/495	162967	
G1/4	8	820/850	162968	
G3/8	6	900/975	162969	
G3/8	8	1580/1605	162970	

Standard application, B²⁰ series



Type	D2	D1	qnN	PN
GRLA M5	M5	95/95	151163	
(exhaust air) G1/8	G1/8	340/420	151169	
G1/4	G1/4	610/820	151175	
GRLZ M5	M5	1450/1600	151186	
(supply air) G1/8	G1/8	2100/2200	151192	
G1/4	G1/4	4320/4720	151198	



Type	D2	D1	qnN	PN
GRLA M5	M5	95/95	151160	
(exhaust air) G1/8	G1/8	340/420	151165	
G1/4	G1/4	610/820	151172	
G3/8	G3/8	1450/1600	151178	
G1/2	G1/2	2100/2200	151179	
G3/4	G3/4	4320/4720	151180	
GRLZ M5	M5	95/95	151183	
(supply air) G1/8	G1/8	340/420	151188	
G1/4	G1/4	610/820	151195	
GRLO M5	M5	95	151181	



Type	D2	D1	qnN	PN
GRLA-PK M5	3	83/83	151161	
(exhaust air) M5	4	83/83	151162	
G1/8	3*	110/110	151166	
G1/8	4*	230/240	151167	
G1/8	6*	300/290	151168	
G1/4	4*	260/260	151173	
G1/4	6*	540/585	151174	

* with union nut

Special application high corrosion resistance and temperature range



Type	D2	D1	qnN	PN
GRLA-F G1/8	4	180/188	195597	
(exhaust air) G1/8	6	255/280	195598	
G1/8	8	275/307	195599	
G1/4	6	430/478	195600	
G1/4	8	530/578	195601	

Special application high corrosion resistance



Type	D2	D1	qnN	PN
CRGRLA M5	M5		95/95	161403
	G1/8	G1/8	340/420	161404
	G1/4	G1/4	610/820	161405
	G3/8	G3/8	81450/1600	161406
	G1/2	G1/2	2100/2200	161407

Technical data for flow control valves

		Plastic		Metal					
Designation		GRLA-QS-RS-B	VFOF	GRLA-(RS)-B	GRLA-PK-B	GRLA-QS-(RS)-D	VFOC	GRLA-F-QS-D	CRGRLA
Function	Exhaust air flow control	Yes	Yes	Yes	Yes	Yes	On request	Yes	Yes
	Supply air flow control	–	–	Yes	Yes	Yes	Yes	–	–
	Without non-return function	–	–	–	–	–	–	–	–
Actuation	With tool	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Without tool	Yes	–	Yes	–	Yes	–	–	–
Media		Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum
Operating pressure [bar]		0.2 ... 10	0.2 ... 10	0.3 ... 10	0.3 ... 10	0.2 ... 10	0.2 ... 10	0.2 ... 10	0.3 ... 10
Operating temperature [°C]		-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	0 ... +150	-20 ... 80
Mounting position		Any	Any	Any	Any	Any	Any	Any	Any
Hydrolysis resistant		+++	++	++	++	++	++	+++	+++
Anti-static		–	–	++	++	++	++	+++	+++
Flame-retardant		–	–	++	++	–	–	+++	+++
Food industry		–	+	–	–	–	–	++	++

+++ highly suitable ++ suitable + suitable to a limited extent – unsuitable

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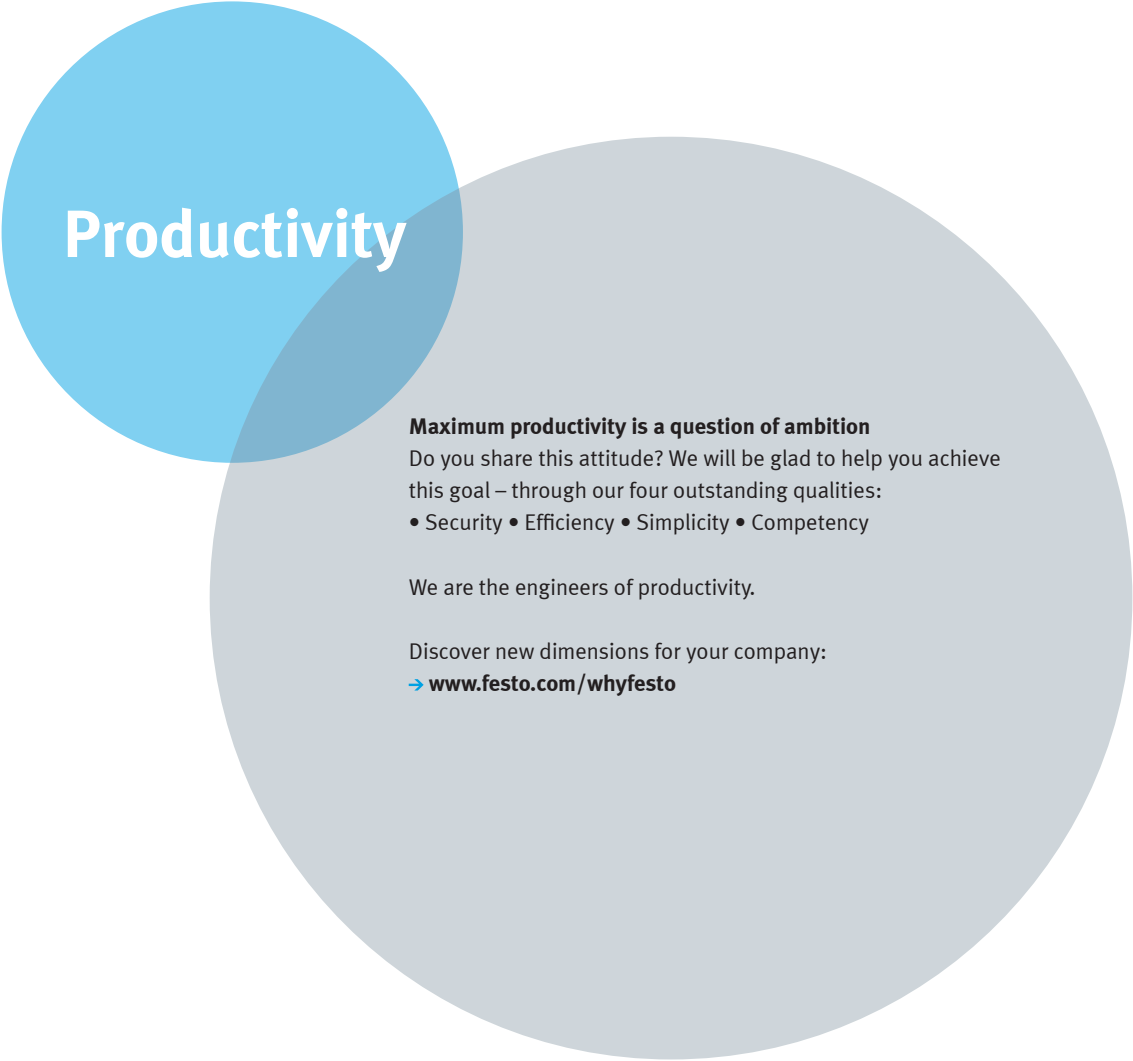
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