

The quick-connect fittings of the »universal short« series are true to their name and are used for the quick and simple connection of hoses. The conical sealing threads offer a high degree of flexibility, as it is compatible with both conical and cylindrical threads. Thus the quick-connect fitting can be combined with a wide variety of thread types (BSPP, BSPT, NPT, NPTF, PT, PF) of standards ISO 7.1 and ISO 228. Shorter assembly times result from the reduced thread length. The smaller hole spacing, resulting from the reduction of the width across flats, enables installation in very tight spaces. This saves time and space.

The complete sealing is also guaranteed on uneven, for example inclined, concave or convex surfaces, and with differing radii and chamfers. The special geometry of the seal enables vacuum applications.

Areas of application: Pneumatic automation, automotive industry, textile and packaging industry, compressed air circuits, vacuum applications.

Working pressure:	-0,99 to 20 bar
Operating temperature:	-20 °C to 80 °C
Material:	Nickel-plated brass
Sealant:	NBR
Medium:	Compressed air, water
Applications:	Compressed air syst., automotive, textile, packaging, vacuum
Sleeve:	POM
Collet:	Stainless steel
Recommended hose:	PA, PU, PE and PTFE



Practical, high-quality assortment of our »universal short« push-in fittings, packaged in a sturdy plastic case. With the most popular variants a plurality of thread types and hose connections can be combined.

All inserts are labeled with part numbers, thread sizes and hose connections of the parts included.

#### Parts included:

Insert 1	20 x	153281	Male connector, thread 1/8, for tube O.D. 6
Insert 2	20 x	153283	Male connector, thread 1/4, for tube O.D. 6
Insert 3	20 x	153284	Male connector, thread 1/4, for tube O.D. 8
Insert 4	10 x	153288	Male connector, thread 3/8, for tube O.D. 10
Insert 5	10 x	153292	Male branch elbow, thread 1/8, for tube O.D. 6
Insert 6	10 x	153294	Male branch elbow, thread 1/4, for tube O.D. 6
Insert 7	10 x	153295	Male branch elbow, thread 1/4, for tube O.D. 8
Insert 8	5 x	153298	Male branch elbow, thread 3/8, for tube O.D. 10
Insert 9	10 x	153308	Male branch tee, thread 1/8, for tube O.D. 6
Insert 10	7 x	153310	Male branch tee, thread 1/4, for tube O.D. 6
Insert 11	7 x	153311	Male branch tee, thread 1/4, for tube O.D. 8
Insert 12	5 x	153314	Male branch tee, thread 3/8, for tube O.D. 10
Enclosed	1 x	159762	X-distributor



#### Assembling instructions for push-in fittings

- Cut the hose ends plain. To ensure an ideal sealing effect and secure stop of the fitting make sure the hose end is not oval.
- Clean the hose ends and make sure that it is free of burrs.
- Push the hose ends into the fitting till it stops.
- Test stability by pulling the hose shortly.
- Push the release ring to release the hose.
- Pull out the hose with slight rotation.
- For a new assembling cut the hose plain again. Then pushing and releasing the tube should not be affected adversely.

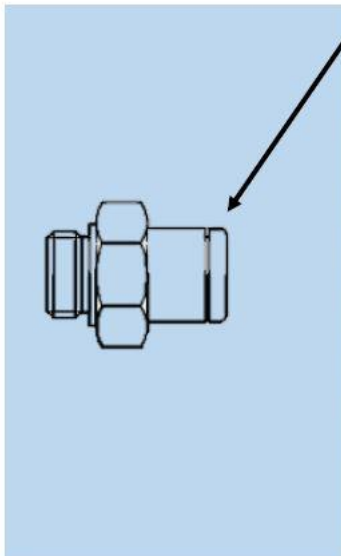
We recommend for improved strength of push-in fittings with **PA** hoses, the following push-in fitting - hose combination:



For tube O.D.	Recommended hose Ø	Recommended hose
3	3x1.5 *	259.08 X
4	4x2 *	259.09 X
5	5x3	259.10 X
6	6x4 *	259.11 X
8	8x6 *	259.12 X
10	10x7 *	259.61 X
12	12x9 *	259.14 X
14	14x11	259.62 X
16	16x12	259.25 X

\* Recommended and based on ISO 14743

We recommend for improved strength of push-in fittings with **PU** hoses, the following push-in fitting - hose combination:



For tube O.D.	Recommended hose Ø	Recommended hose
3	3x1.5 *	259.50 X
4	4x2 *	259.04 X
5	5x3	259.15 X
6	6x4 *	259.16 X
8	8x5 *	259.63 X
10	10x7 *	259.64 X
12	12x8 *	259.65 X
14	14x10	259.51 X
16	16x12	259.52 X

\* Recommended and based on ISO 14743