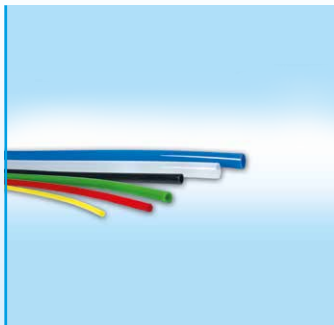


Contents

- Contents ●
- Plastic hoses ●
- Plastic spirals ●
- Screw joints ●
- Clustering spirals ●
- Plastic screw joints ●
- Stop valves and flow control valves ●
- Distributors ●

Contents

Plastic hoses



Polyethylene
LD-PE hoses
Pages A2 - A8

Polyamide
PA12-PHL tubes
Pages A10 - A18

Polyamide
PA12-HL tubes
Page A19

Polyamide
PA12-PHL-DUO tubes
Pages A20 - A21

Polyamide
PA-SFL tubes
Pages A22 - A25

Polyester Polyurethane
PUR hoses
Pages A26 - A29

Polyester Polyurethane
PUR-DUO hoses
Pages A30 - A31

Polyester Polyurethane
PUR-TRIO hoses
Page A32

Polyester Polyurethane
PUR-QUADRO hoses
Page A33

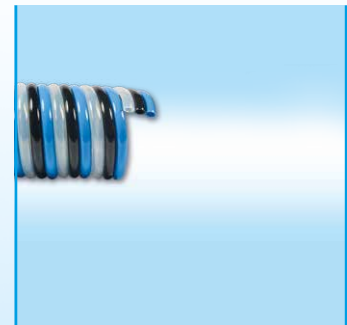
Polyether Polyurethane
PUR-L hoses of type 1198
Pages A34 - A35

Polyester Polyurethane
PUR hoses of type 1154
Pages A36 - A38

Polyester Polyurethane
PUR-DUO hoses of type 1154
Pages A40 - A41

Polyester Polyurethane
PUR-TRIO hoses of type 1154
Page A42

Plastic spirals



Polyamide
12-PHL axial spirals
Pages B2 - B3

Polyamide
**PA 12-PHLaxial spirals
with screw joint**
Page B4

Polyamide
12-PHLradial spirals
Pages B6 - B7

Polyamide
**PA 12-PHLaxial spirals
with screw joint**
Page B8

Polyamide
PA-12-PHL-DUO axial spirals
Pages B10 - B11

Polyamide
**PA-12-PHL-DUO axial spirals
with screw joint**
Page B12

Polyester Polyurethane
PUR axial spirals
Pages B14 - B15

Polyester Polyurethane
PUR axial spirals
with screw joint
Page B16

Polyester Polyurethane
PURradial spirals
Pages B18 - B19

Polyester Polyurethane
PUR radial spirals
with screw joint
Page B20

Polyester Polyurethane
PUR-DUO axial spirals
Pages B22 - B23

Polyester Polyurethane
PUR-DUO axial spirals
with screw joint
Page B24

Polyester Polyurethane
PUR-DUO radial spirals
Pages B26 - B27

Polyester Polyurethane
PUR-DUO radial spirals
with screw joint
Page B28

Polyester Polyurethane
PUR-TRIO radial spirals
Pages B30 - B31

Polyester Polyurethane
PUR-TRIO radial spirals
with screw joint
Page B32

Polyester Polyurethane
PUR-QUADRO radial spirals
Pages B34 - B35

Polyester Polyurethane
PUR-QUADRO radial spirals
with screw joint
Page B36

Polyether Polyurethane
PUR-L special axial spirals
Pages B38 - B39

Polyether Polyurethane
PUR-L special axial spirals
with screw joint
Page B40

Screw joints



Union nuts
with an anti-kink spring
Page C2

Cylindrical, rotatable
angular screw joints
with an anti-kink spring
Page C3

Cylindrical, fixed
rotatable angular screw joints
with an anti-kink spring
Page C4

Cylindrical, rotatable
screw joints
with an anti-kink spring
Page C5

Fixed coupling plugs
NW 5, NW 8
with an anti-kink spring
Page C6

Fixed coupling socket NW 5, NW 8
with an anti-kink spring
Page C7

Contents

Clustering spirals



Polyethylene
PE clustering spirals
Pages D2 - D3

Plastic screw joints



Plastic screw joints
made of POM
Pages E2 - E4

Straight screw joints
made of POM
Pages E6 - E8

Straight screw joints
with nuts
made of POM
Pages E10 - E11

Ring pieces
made of POM
Pages E12 - E13

Ring pieces with nuts
made of POM
Page E14

Ring pieces with nuts
made of POM and
aluminium hollow screw
Page E15

T-piece
made of POM
Pages E16 - E17

T-piece with nut
made of POM
Page E18

T-piece with nut
made of POM and
aluminium hollow screw
Page E19

Aluminium hollow screw,
short
Pages E20 - E21

3-x distributor pieces
made of POM
Pages E22 - E23

3-x distributor pieces
with nuts made of POM
Page E24

Angular screw joints
made of POM
Pages E26 - E28

Angular screw joints
with nuts
made of POM
Pages E30 - E31

Hose connectors
made of POM
Page E32

**Hose connectors
with nuts
made of POM**
Pages E33

**Bulkhead glands
with nuts
made of POM and
fastening nuts made of
Ms, nickel-plated**
Pages E34 - E35

**Fastening nuts
for bulkhead glands**
Page E36

**Hose supports
made of POM**
Pages E38 - E39

**Hose clamping strips
made of PE**
Pages E40 - E41

Stop valves and flow control valves



Hollow screw valves

**Throttle check valves
DRVH-M5-G $\frac{1}{2}$ "**
Pages F2 - F4

**Throttle valves
DVH-M5-G $\frac{1}{2}$ "**
Pages F6 - F8

**Throttle check valves
with lock nuts
DRVH-K-M5-G $\frac{1}{4}$ "**
Pages F10 - F12

**Throttle valves with lock nuts
DVH-K-M5-G $\frac{1}{4}$ "**
Pages F14 - F16

**Throttle check valves
with lock nuts and
knurled cap
DRVH-KR-M5-G $\frac{1}{4}$ "**
Pages F18 - F20

**Throttle valves with lock nuts
and knurled cap
DVH-KR-M5-G $\frac{1}{4}$ "**
Pages F22 - F24

**Non-return valves
RV-M5-G $\frac{1}{4}$ "**
Pages F26 - F28

**Hollow screw valves
with a ring piece**

**Throttle check valves
with a ring piece
DRVH-G $\frac{1}{8}$ "**
**Throttle valves with a ring
piece DVH-G $\frac{1}{8}$ "**
Pages F30 - F31

**Throttle check valves
with a ring piece
DRVH-K-G $\frac{1}{8}$ "**
**Throttle valves with a ring
piece DVH-G $\frac{1}{8}$ "**
Pages F32 - F33

**Throttle check valves
with a ring piece
DRVH-KR-G $\frac{1}{8}$ "**
**Throttle valves with a ring
piece DVH-KR-G $\frac{1}{8}$ "**
Pages F34 - F35

**Throttle check valves
with a ring piece
DRVH-G $\frac{1}{4}$ "**
**Throttle valves with a ring
piece DVH-G $\frac{1}{4}$ "**
Pages F36 - F37

Contents

Throttle check valves
with a ring piece

DRVH-K-G $\frac{1}{4}$ "

Throttle valves with a ring
piece DVH-K-G $\frac{1}{4}$ "

Pages F38 - F39

Throttle check valves
with a ring piece

DRVH-KR-G $\frac{1}{4}$ "

Throttle valves with a ring
piece DVH-KR-G $\frac{1}{4}$ "

Pages F40 - F41

Throttle check valves
with a ring piece

DRVH-M5-G $\frac{1}{2}$ "

Throttle valves with a ring
piece DVH-M5-G $\frac{1}{2}$ "

Pages F42 - F43

Throttle check valves
with a ring piece

DRVH-M5

Throttle valves with a ring
piece DVH-M5

Pages F44 - F45

Throttle check valves
with a ring piece

DRVH-K-M5

Throttle valves with a ring
piece DVH-K-M5

Pages F46 - F47

Throttle check valves
with a ring piece

DRVH-KR-M5

Throttle valves with a ring
piece DVH-KR-M5

Pages F48 - F49

Throttle check valves
with a ring plug-in connection

DRVH-M5

Throttle valves with
a ring plug-in connection

DVH-M5

Page F50

Throttle check valves
with a ring plug-in connection

DRVH-K-M5

Throttle valves with
a ring plug-in connection

DVH-K-M5

Page F51

Throttle check valves
with a ring plug-in connection

DRVH-KR-M5

Throttle valves with
a ring plug-in connection

DVH-KR-M5

Page F52

Throttle check valves
with a ring plug-in connection

DRVH-1/8"

Throttle valves with
a ring plug-in connection

DVH-1/8"

Page F53

Throttle check valves
with a ring plug-in connection

DRVH-K-1/8"

Throttle valves with
a ring plug-in connection

DVH-K-1/8"

Page F54

Throttle check valves
with a ring plug-in connection

DRVH-KR-1/8"

Throttle valves with
a ring plug-in connection

DVH-KR-1/8"

Page F55

Throttle check valves
with a ring plug-in connection

DRVH-1/4" + 3/8"

Throttle valves with
a ring plug-in connection

DVH-1/4" + 3/8"

Page F56

Throttle check valves
with a ring plug-in connection

DRVH-K-1/4"

Throttle valves with
a ring plug-in connection

DVH-K-1/4"

Page F57

Throttle check valves
with a ring plug-in connection

DRVH-KR-1/4"

Throttle valves with
a ring plug-in connection

DVH-KR-1/4"

Page F58

Block valves

Throttle check valves

DRV-M5-G $\frac{1}{2}$ "

Pages F60 - F62

Throttle valves

DV-M5-G $\frac{1}{2}$ "

Page F64 - F66

Dimension table of
throttle valves,
throttle check valves
Page F68

Fastening nuts (SW1)
for control panel installation Ms,
nickel-plated
Page F69

Non-return valves
RV-G $\frac{1}{8}$ "-G $\frac{1}{4}$ "
Pages F70 - F71

Distributors



Cross distributor
Pages G2 - G3

3-x longitudinal distributor
(1 inlet, 3 outlets)
Pages G4 - G5

8-x longitudinal distributor
blocks
(2 inlets, 8 outlets)
Pages G6 - G7

9-x distributor boxes
(1 inlet, 9 outlets)
Pages G8 - G9

Plastic hoses

Polyethylene LD-PE hoses ●

Polyamide PA12-PHL tubes ●

Polyamide PA12-HL tubes ●

Polyamide PA12-PHL-DUO tubes ●

Polyamide PA-SFL tubes ●

Polyester Polyurethane PUR hoses ●

Polyester Polyurethane PUR-DUO hoses ●

Polyester Polyurethane PUR-TRIO hoses ●

Polyester Polyurethane PUR-QUADRO hoses ●

Polyether Polyurethane PUR-L hoses of type 1198 ●

Polyether Polyurethane PUR hoses of type 1154 ●

Polyether Polyurethane PUR-DUO hoses of type 1154 ●

Polyether Polyurethane PUR-TRIO hoses of type 1154 ●





Temperature range

- 10 °C to + 40 °C

PE hoses are used as control lines in control and measurement technology, in laboratory technology, in devices and container manufacturing. Less weight, dynamic strength and extensive resistance against acids, alkalis and salt solutions are characteristic properties of this material. The material can be recycled in accordance with the EU Directives.

Can be delivered ex warehouse

PE hoses are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

* Delivery and minimum order quantity on request.

Pressure utilisation degree (reference values) in %

Pressure utilisation	100.00%	83.00%	72.00%
Temperature	-10 °C to +20 °C	+30 °C	+40 °C

Example: PE hose 8/6 - permissible operating pressure at 40 °C (8 bar x 72%) = 5.7 bar permissible.

Colour (abbreviation)

We deliver PE hoses in:

natural colours (nf)
 blue (bl)
 red (rt)
 black (sw)
 green (gn)
 yellow (ge)
 grey (gr)

Nominal dimensions

AD = outer diameter
 ID = inner diameter
 (Production dimension)
 Wall thickness

Dimensions / Tolerances

AD 4.00 mm to AD 10.00 mm
 +/- 0.10 mm

AD 11.00 mm to AD 20.00 mm
 +/- 0.15 mm

Wall thickness

Up to 1.00 mm	+/-	0.10 mm
Up to 1.25 mm	+/-	0.13 mm
Up to 1.50 mm	+/-	0.15 mm
Up to 2.00 mm	+/-	0.20 mm

Polyethylene LD-PE hoses ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1001	PE	4	2	1	Natural	20	20	8.7
1002	PE	4	2	1	Blue	20	20	8.7
1003*	PE	4	2	1	Red	20	20	8.7
1004	PE	4	2	1	Black	20	20	8.7
1005*	PE	4	2	1	Green	20	20	8.7
1006*	PE	4	2	1	Yellow	20	20	8.7
1008*	PE	4	2	1	Grey	20	20	8.7
1132	PE	4	2.5	0.75	Natural	14	20	7.0
1133	PE	4	2.5	0.75	Blue	14	20	7.0
1134*	PE	4	2.5	0.75	Red	14	20	7.0
1135	PE	4	2.5	0.75	Black	14	20	7.0
1136*	PE	4	2.5	0.75	Green	14	20	7.0
1137*	PE	4	2.5	0.75	Yellow	14	20	7.0
1147*	PE	4	2.5	0.75	Grey	14	20	7.0
1138	PE	4	2.7	0.65	Natural	13	20	6.3
1139	PE	4	2.7	0.65	Blue	13	20	6.3
1140*	PE	4	2.7	0.65	Red	13	20	6.3
1141	PE	4	2.7	0.65	Black	13	20	6.3
1142*	PE	4	2.7	0.65	Green	13	20	6.3
1143*	PE	4	2.7	0.65	Yellow	13	20	6.3
1145*	PE	4	2.7	0.65	Grey	13	20	6.3



Polyethylene LD-PE hoses

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1011	PE	4.3	3	0.65	Natural	13	20	6.9
1012	PE	4.3	3	0.65	Blue	13	20	6.9
1013*	PE	4.3	3	0.65	Red	13	20	6.9
1014	PE	4.3	3	0.65	Black	13	20	6.9
1015*	PE	4.3	3	0.65	Green	13	20	6.9
1016*	PE	4.3	3	0.65	Yellow	13	20	6.9
1018*	PE	4.3	3	0.65	Grey	13	20	6.9
1021	PE	5	3	1	Natural	15	25	11.6
1022	PE	5	3	1	Blue	15	25	11.6
1023*	PE	5	3	1	Red	15	25	11.6
1024	PE	5	3	1	Black	15	25	11.6
1025*	PE	5	3	1	Green	15	25	11.6
1026*	PE	5	3	1	Yellow	15	25	11.6
1028*	PE	5	3	1	Grey	15	25	11.6
1031	PE	6	4	1	Natural	13	30	14.5
1032	PE	6	4	1	Blue	13	30	14.5
1033	PE	6	4	1	Red	13	30	14.5
1034	PE	6	4	1	Black	13	30	14.5
1035	PE	6	4	1	Green	13	30	14.5
1036	PE	6	4	1	Yellow	13	30	14.5
1038	PE	6	4	1	Grey	13	30	14.5
1110	PE	8	5	1.5	Natural	13	40	28.2
1111	PE	8	5	1.5	Blue	13	40	28.2
1112*	PE	8	5	1.5	Red	13	40	28.2
1113	PE	8	5	1.5	Black	13	40	28.2
1114*	PE	8	5	1.5	Green	13	40	28.2
1115*	PE	8	5	1.5	Yellow	13	40	28.2
1117*	PE	8	5	1.5	Grey	13	40	28.2

Polyethylene LD-PE hoses

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1041	PE	8	6	1	Natural	8	40	20.3
1042	PE	8	6	1	Blue	8	40	20.3
1043	PE	8	6	1	Red	8	40	20.3
1044	PE	8	6	1	Black	8	40	20.3
1045	PE	8	6	1	Green	8	40	20.3
1046	PE	8	6	1	Yellow	8	40	20.3
1048	PE	8	6	1	Grey	8	40	20.3
1087	PE	9	6	1.5	Natural	12	45	32.6
1088	PE	9	6	1.5	Blue	12	45	32.6
1089*	PE	9	6	1.5	Red	12	45	32.6
1090	PE	9	6	1.5	Black	12	45	32.6
1091*	PE	9	6	1.5	Green	12	45	32.6
1092*	PE	9	6	1.5	Yellow	12	45	32.6
1183*	PE	9	6	1.5	Grey	12	45	32.6
1093	PE	10	6	2	Natural	15	50	46.3
1094	PE	10	6	2	Blue	15	50	46.3
1095*	PE	10	6	2	Red	15	50	46.3
1096	PE	10	6	2	Black	15	50	46.3
1097*	PE	10	6	2	Green	15	50	46.3
1098*	PE	10	6	2	Yellow	15	50	46.3
1185*	PE	10	6	2	Grey	15	50	46.3
1168	PE	10	7	1.5	Natural	10	50	36.9
1169	PE	10	7	1.5	Blue	10	50	36.9
1170*	PE	10	7	1.5	Red	10	50	36.9
1171	PE	10	7	1.5	Black	10	50	36.9
1172*	PE	10	7	1.5	Green	10	50	36.9
1173*	PE	10	7	1.5	Yellow	10	50	36.9
1175*	PE	10	7	1.5	Grey	10	50	36.9



Polyethylene LD-PE hoses

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1051	PE	10	8	1	Natural	6	60	26.0
1052	PE	10	8	1	Blue	6	60	26.0
1053*	PE	10	8	1	Red	6	60	26.0
1054	PE	10	8	1	Black	6	60	26.0
1055*	PE	10	8	1	Green	6	60	26.0
1056*	PE	10	8	1	Yellow	6	60	26.0
1058*	PE	10	8	1	Grey	6	60	26.0
1061	PE	11.5	9	1.25	Natural	7	50	37.1
1062	PE	11.5	9	1.25	Blue	7	50	37.1
1063*	PE	11.5	9	1.25	Red	7	50	37.1
1064	PE	11.5	9	1.25	Black	7	50	37.1
1065*	PE	11.5	9	1.25	Green	7	50	37.1
1066*	PE	11.5	9	1.25	Yellow	7	50	37.1
1068*	PE	11.5	9	1.25	Grey	7	50	37.1
1120	PE	12	8	2	Natural	12	60	57.9
1121	PE	12	8	2	Blue	12	60	57.9
1122*	PE	12	8	2	Red	12	60	57.9
1123	PE	12	8	2	Black	12	60	57.9
1124*	PE	12	8	2	Green	12	60	57.9
1125*	PE	12	8	2	Yellow	12	60	57.9
1127*	PE	12	8	2	Grey	12	60	57.9
1071	PE	12	9	1.5	Natural	9	60	45.6
1072	PE	12	9	1.5	Blue	9	60	45.6
1073*	PE	12	9	1.5	Red	9	60	45.6
1074	PE	12	9	1.5	Black	9	60	45.6
1075*	PE	12	9	1.5	Green	9	60	45.6
1076*	PE	12	9	1.5	Yellow	9	60	45.6
1078*	PE	12	9	1.5	Grey	9	60	45.6

Polyethylene LD-PE hoses

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1081	PE	12	10	1	Natural	5	85	31.9
1082	PE	12	10	1	Blue	5	85	31.9
1083*	PE	12	10	1	Red	5	85	31.9
1084	PE	12	10	1	Black	5	85	31.9
1085*	PE	12	10	1	Green	5	85	31.9
1086*	PE	12	10	1	Yellow	5	85	31.9
1181*	PE	12	10	1	Grey	5	85	31.9
1188	PE	14	11	1.5	Natural	8	90	54.3
1189	PE	14	11	1.5	Blue	8	90	54.3
1190*	PE	14	11	1.5	Red	8	90	54.3
1191	PE	14	11	1.5	Black	8	90	54.3
1192*	PE	14	11	1.5	Green	8	90	54.3
1193*	PE	14	11	1.5	Yellow	8	90	54.3
1195*	PE	14	11	1.5	Grey	8	90	54.3
1099	PE	15	12	1.5	Natural	7	90	58.7
1100	PE	15	12	1.5	Blue	7	90	58.7
1101*	PE	15	12	1.5	Red	7	90	58.7
1102	PE	15	12	1.5	Black	7	90	58.7
1103*	PE	15	12	1.5	Green	7	90	58.7
1104*	PE	15	12	1.5	Yellow	7	90	58.7
1106*	PE	15	12	1.5	Grey	7	90	58.7
1241	PE	16	13	1.5	Natural	6	90	63.0
1242	PE	16	13	1.5	Blue	6	90	63.0
1243*	PE	16	13	1.5	Red	6	90	63.0
1244	PE	16	13	1.5	Black	6	90	63.0
1245*	PE	16	13	1.5	Green	6	90	63.0
1246*	PE	16	13	1.5	Yellow	6	90	63.0
1247*	PE	16	13	1.5	Grey	6	90	63.0



Polyethylene LD-PE hoses

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
1251	PE	18	14	2	Natural	7	120	92.7
1252	PE	18	14	2	Blue	7	120	92.7
1253*	PE	18	14	2	Red	7	120	92.7
1254	PE	18	14	2	Black	7	120	92.7
1255*	PE	18	14	2	Green	7	120	92.7
1256*	PE	18	14	2	Yellow	7	120	92.7
1257*	PE	18	14	2	Grey	7	120	92.7
1261	PE	20	16	2	Natural	7	120	104.3
1262	PE	20	16	2	Blue	7	120	104.3
1263*	PE	20	16	2	Red	7	120	104.3
1264	PE	20	16	2	Black	7	120	104.3
1265*	PE	20	16	2	Green	7	120	104.3
1266*	PE	20	16	2	Yellow	7	120	104.3
1267*	PE	20	16	2	Grey	7	120	104.3



Polyamide PA12-PHL tubes

Temperature range

- 60 °C to +100 °C

Polyamide tubes are flexible and can be easily laid. They have a large temperature range and are preferred for compressed air brakes, pneumatic systems, hydraulic systems and fuel lines in accordance with DIN 73378 or in black DIN 74324. We recommend using the black model above 80 °C. The material can be recycled in accordance with the EU Directives.

Can be delivered ex warehouse

PA hoses are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

* Delivery and minimum order quantity on request.

Other nominal dimensions and

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	87%	74%	64%	57%	52%	47%	44%	36%
Temperature	- 60 °C to +23 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C	+90 °C	+100 °C

Example: PA tube 8/6 - permissible Op. pressure at 50 °C (19 bar x 64%) = 12 bar permissible.

colours can be provided on request.

Colour (abbreviation)

We deliver PA hoses in:

- natural colours (nf)
- blue (bl)
- red (rt)
- black (sw)
- green (gn)
- yellow (ge)
- grey (gr)

Nominal dimensions

- AD = outer diameter
- ID = inner diameter
- (Production dimension)
- Wall thickness

Dimensions / Tolerances

AD 2.50 mm to AD 8.00 mm
+/- 0.07 mm

AD 9.00 mm to AD 13.00 mm
+/- 0.10 mm

AD 14.00 mm to AD 22.00 mm
+/- 0.15 mm

Wall thick-

Up to 1.00 mm	+/-	0.10 mm
Up to 1.25 mm	+/-	0.13 mm
Up to 1.50 mm	+/-	0.15 mm
Up to 2.00 mm	+/-	0.20 mm

Polyamide PA12-PHL tubes ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2120	PA12-PHL	2.5	1.5	0.5	Natural	30	10	3.2
2121	PA12-PHL	2.5	1.5	0.5	Blue	30	10	3.2
2122*	PA12-PHL	2.5	1.5	0.5	Red	30	10	3.2
2123	PA12-PHL	2.5	1.5	0.5	Black	30	10	3.2
2124*	PA12-PHL	2.5	1.5	0.5	Green	30	10	3.2
2125*	PA12-PHL	2.5	1.5	0.5	Yellow	30	10	3.2
2126*	PA12-PHL	2.5	1.5	0.5	Grey	30	10	3.2
2227	PA12-PHL	3	1.7	0.65	Natural	35	15	4.9
2228	PA12-PHL	3	1.7	0.65	Blue	35	15	4.9
2229*	PA12-PHL	3	1.7	0.65	Red	35	15	4.9
2230	PA12-PHL	3	1.7	0.65	Black	35	15	4.9
2231*	PA12-PHL	3	1.7	0.65	Green	35	15	4.9
2232*	PA12-PHL	3	1.7	0.65	Yellow	35	15	4.9
2233*	PA12-PHL	3	1.7	0.65	Grey	35	15	4.9
2001	PA12-PHL	4	2	1	Natural	44	20	9.7
2002	PA12-PHL	4	2	1	Blue	44	20	9.7
2003*	PA12-PHL	4	2	1	Red	44	20	9.7
2004	PA12-PHL	4	2	1	Black	44	20	9.7
2005*	PA12-PHL	4	2	1	Green	44	20	9.7
2006*	PA12-PHL	4	2	1	Yellow	44	20	9.7
2007*	PA12-PHL	4	2	1	Grey	44	20	9.7



Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2011	PA12-PHL	4	2.3	0.85	Natural	36	20	8.7
2012	PA12-PHL	4	2.3	0.85	Blue	36	20	8.7
2013*	PA12-PHL	4	2.3	0.85	Red	36	20	8.7
2014	PA12-PHL	4	2.3	0.85	Black	36	20	8.7
2015*	PA12-PHL	4	2.3	0.85	Green	36	20	8.7
2016*	PA12-PHL	4	2.3	0.85	Yellow	36	20	8.7
2017*	PA12-PHL	4	2.3	0.85	Grey	36	20	8.7
2021	PA12-PHL	4	2.5	0.75	Natural	31	20	7.9
2022	PA12-PHL	4	2.5	0.75	Blue	31	20	7.9
2023*	PA12-PHL	4	2.5	0.75	Red	31	20	7.9
2024	PA12-PHL	4	2.5	0.75	Black	31	20	7.9
2025*	PA12-PHL	4	2.5	0.75	Green	31	20	7.9
2026*	PA12-PHL	4	2.5	0.75	Yellow	31	20	7.9
2027*	PA12-PHL	4	2.5	0.75	Grey	31	20	7.9
2031	PA12-PHL	4	2.7	0.65	Natural	23	20	7.1
2032	PA12-PHL	4	2.7	0.65	Blue	23	20	7.1
2033*	PA12-PHL	4	2.7	0.65	Red	23	20	7.1
2034	PA12-PHL	4	2.7	0.65	Black	23	20	7.1
2035*	PA12-PHL	4	2.7	0.65	Green	23	20	7.1
2036*	PA12-PHL	4	2.7	0.65	Yellow	23	20	7.1
2037*	PA12-PHL	4	2.7	0.65	Grey	23	20	7.1
2041	PA12-PHL	4.3	3	0.65	Natural	23	20	7.7
2042	PA12-PHL	4.3	3	0.65	Blue	23	20	7.7
2043*	PA12-PHL	4.3	3	0.65	Red	23	20	7.7
2044	PA12-PHL	4.3	3	0.65	Black	23	20	7.7
2045*	PA12-PHL	4.3	3	0.65	Green	23	20	7.7
2046*	PA12-PHL	4.3	3	0.65	Yellow	23	20	7.7
2047*	PA12-PHL	4.3	3	0.65	Grey	23	20	7.7

Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2051	PA12-PHL	5	3	1	Natural	34	25	12.9
2052	PA12-PHL	5	3	1	Blue	34	25	12.9
2053*	PA12-PHL	5	3	1	Red	34	25	12.9
2054	PA12-PHL	5	3	1	Black	34	25	12.9
2055*	PA12-PHL	5	3	1	Green	34	25	12.9
2056*	PA12-PHL	5	3	1	Yellow	34	25	12.9
2057*	PA12-PHL	5	3	1	Grey	34	25	12.9
2300	PA12-PHL	6	3	1.5	Natural	44	30	21.8
2301	PA12-PHL	6	3	1.5	Blue	44	30	21.8
2302*	PA12-PHL	6	3	1.5	Red	44	30	21.8
2303	PA12-PHL	6	3	1.5	Black	44	30	21.8
2304*	PA12-PHL	6	3	1.5	Green	44	30	21.8
2305*	PA12-PHL	6	3	1.5	Yellow	44	30	21.8
2306*	PA12-PHL	6	3	1.5	Grey	44	30	21.8
2061	PA12-PHL	6	4	1	Natural	27	30	16.2
2062	PA12-PHL	6	4	1	Blue	27	30	16.2
2063	PA12-PHL	6	4	1	Red	27	30	16.2
2064	PA12-PHL	6	4	1	Black	27	30	16.2
2065	PA12-PHL	6	4	1	Green	27	30	16.2
2066	PA12-PHL	6	4	1	Yellow	27	30	16.2
2067	PA12-PHL	6	4	1	Grey	27	30	16.2
2081	PA12-PHL	8	5	1.5	Natural	31	40	31.5
2082	PA12-PHL	8	5	1.5	Blue	31	40	31.5
2083*	PA12-PHL	8	5	1.5	Red	31	40	31.5
2084	PA12-PHL	8	5	1.5	Black	31	40	31.5
2085*	PA12-PHL	8	5	1.5	Green	31	40	31.5
2086*	PA12-PHL	8	5	1.5	Yellow	31	40	31.5
2087*	PA12-PHL	8	5	1.5	Grey	31	40	31.5



Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2071	PA12-PHL	8	6	1	Natural	19	40	22.7
2072	PA12-PHL	8	6	1	Blue	19	40	22.7
2073	PA12-PHL	8	6	1	Red	19	40	22.7
2074	PA12-PHL	8	6	1	Black	19	40	22.7
2075	PA12-PHL	8	6	1	Green	19	40	22.7
2076	PA12-PHL	8	6	1	Yellow	19	40	22.7
2077	PA12-PHL	8	6	1	Grey	19	40	22.7
2147	PA12-PHL	9	6	1.5	Natural	27	45	36.1
2148	PA12-PHL	9	6	1.5	Blue	27	45	36.1
2149*	PA12-PHL	9	6	1.5	Red	27	45	36.1
2150	PA12-PHL	9	6	1.5	Black	27	45	36.1
2151*	PA12-PHL	9	6	1.5	Green	27	45	36.1
2152*	PA12-PHL	9	6	1.5	Yellow	27	45	36.1
2236*	PA12-PHL	9	6	1.5	Grey	27	45	36.1
2180	PA12-PHL	9	7	1	Natural	16	45	26.0
2181	PA12-PHL	9	7	1	Blue	16	45	26.0
2182*	PA12-PHL	9	7	1	Red	16	45	26.0
2183	PA12-PHL	9	7	1	Black	16	45	26.0
2184*	PA12-PHL	9	7	1	Green	16	45	26.0
2185*	PA12-PHL	9	7	1	Yellow	16	45	26.0
2186*	PA12-PHL	9	7	1	Grey	16	45	26.0
2153	PA12-PHL	10	6	2	Natural	33	50	51.8
2154	PA12-PHL	10	6	2	Blue	33	50	51.8
2155*	PA12-PHL	10	6	2	Red	33	50	51.8
2156	PA12-PHL	10	6	2	Black	33	50	51.8
2157*	PA12-PHL	10	6	2	Green	33	50	51.8
2158*	PA12-PHL	10	6	2	Yellow	33	50	51.8
2239*	PA12-PHL	10	6	2	Grey	33	50	51.8

Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2101	PA12-PHL	10	7	1.5	Natural	23	50	41.3
2102	PA12-PHL	10	7	1.5	Blue	23	50	41.3
2103*	PA12-PHL	10	7	1.5	Red	23	50	41.3
2104	PA12-PHL	10	7	1.5	Black	23	50	41.3
2105*	PA12-PHL	10	7	1.5	Green	23	50	41.3
2106*	PA12-PHL	10	7	1.5	Yellow	23	50	41.3
2107*	PA12-PHL	10	7	1.5	Grey	23	50	41.3
2251	PA12-PHL	10	7.5	1.25	Natural	19	60	35.4
2252	PA12-PHL	10	7.5	1.25	Blue	19	60	35.4
2253*	PA12-PHL	10	7.5	1.25	Red	19	60	35.4
2254	PA12-PHL	10	7.5	1.25	Black	19	60	35.4
2255*	PA12-PHL	10	7.5	1.25	Green	19	60	35.4
2256*	PA12-PHL	10	7.5	1.25	Yellow	19	60	35.4
2242*	PA12-PHL	10	7.5	1.25	Grey	19	60	35.4
2091	PA12-PHL	10	8	1	Natural	15	60	29.1
2092	PA12-PHL	10	8	1	Blue	15	60	29.1
2093*	PA12-PHL	10	8	1	Red	15	60	29.1
2094	PA12-PHL	10	8	1	Black	15	60	29.1
2095*	PA12-PHL	10	8	1	Green	15	60	29.1
2096*	PA12-PHL	10	8	1	Yellow	15	60	29.1
2246*	PA12-PHL	10	8	1	Grey	15	60	29.1
2221	PA12-PHL	11.5	9	1.25	Natural	17	60	41.5
2222	PA12-PHL	11.5	9	1.25	Blue	17	60	41.5
2223*	PA12-PHL	11.5	9	1.25	Red	17	60	41.5
2224	PA12-PHL	11.5	9	1.25	Black	17	60	41.5
2225*	PA12-PHL	11.5	9	1.25	Green	17	60	41.5
2226*	PA12-PHL	11.5	9	1.25	Yellow	17	60	41.5
2276*	PA12-PHL	11.5	9	1.25	Grey	17	60	41.5



Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2190	PA12-PHL	12	8	2	Natural	27	60	64.7
2191	PA12-PHL	12	8	2	Blue	27	60	64.7
2192*	PA12-PHL	12	8	2	Red	27	60	64.7
2193	PA12-PHL	12	8	2	Black	27	60	64.7
2194*	PA12-PHL	12	8	2	Green	27	60	64.7
2195*	PA12-PHL	12	8	2	Yellow	27	60	64.7
2197*	PA12-PHL	12	8	2	Grey	27	60	64.7
2111	PA12-PHL	12	9	1.5	Natural	19	60	51.0
2112	PA12-PHL	12	9	1.5	Blue	19	60	51.0
2113*	PA12-PHL	12	9	1.5	Red	19	60	51.0
2114	PA12-PHL	12	9	1.5	Black	19	60	51.0
2115*	PA12-PHL	12	9	1.5	Green	19	60	51.0
2116*	PA12-PHL	12	9	1.5	Yellow	19	60	51.0
2117*	PA12-PHL	12	9	1.5	Grey	19	60	51.0
2131	PA12-PHL	12	10	1	Natural	12	85	35.6
2132	PA12-PHL	12	10	1	Blue	12	85	35.6
2133*	PA12-PHL	12	10	1	Red	12	85	35.6
2134	PA12-PHL	12	10	1	Black	12	85	35.6
2135*	PA12-PHL	12	10	1	Green	12	85	35.6
2136*	PA12-PHL	12	10	1	Yellow	12	85	35.6
2137*	PA12-PHL	12	10	1	Grey	12	85	35.6
2159	PA12-PHL	14	11	1.5	Natural	16	80	60.7
2160	PA12-PHL	14	11	1.5	Blue	16	80	60.7
2161*	PA12-PHL	14	11	1.5	Red	16	80	60.7
2162	PA12-PHL	14	11	1.5	Black	16	80	60.7
2163*	PA12-PHL	14	11	1.5	Green	16	80	60.7
2164*	PA12-PHL	14	11	1.5	Yellow	16	80	60.7
2165*	PA12-PHL	14	11	1.5	Grey	16	80	60.7

Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2141	PA12-PHL	15	12	1.5	Natural	15	90	65.5
2142	PA12-PHL	15	12	1.5	Blue	15	90	65.5
2143*	PA12-PHL	15	12	1.5	Red	15	90	65.5
2144	PA12-PHL	15	12	1.5	Black	15	90	65.5
2145*	PA12-PHL	15	12	1.5	Green	15	90	65.5
2146*	PA12-PHL	15	12	1.5	Yellow	15	90	65.5
2278*	PA12-PHL	15	12	1.5	Grey	15	90	65.5
2201	PA12-PHL	15	12.5	1.25	Natural	13	90	55.6
2202	PA12-PHL	15	12.5	1.25	Blue	13	90	55.6
2203*	PA12-PHL	15	12.5	1.25	Red	13	90	55.6
2204	PA12-PHL	15	12.5	1.25	Black	13	90	55.6
2205*	PA12-PHL	15	12.5	1.25	Green	13	90	55.6
2206*	PA12-PHL	15	12.5	1.25	Yellow	13	90	55.6
2208*	PA12-PHL	15	12.5	1.25	Grey	13	90	55.6
2210	PA12-PHL	16	13	1.5	Natural	14	90	70.4
2211	PA12-PHL	16	13	1.5	Blue	14	90	70.4
2212*	PA12-PHL	16	13	1.5	Red	14	90	70.4
2213	PA12-PHL	16	13	1.5	Black	14	90	70.4
2214*	PA12-PHL	16	13	1.5	Green	14	90	70.4
2215*	PA12-PHL	16	13	1.5	Yellow	14	90	70.4
2217*	PA12-PHL	16	13	1.5	Grey	14	90	70.4
2171	PA12-PHL	18	14	2	Natural	17	100	103.5
2172	PA12-PHL	18	14	2	Blue	17	100	103.5
2173*	PA12-PHL	18	14	2	Red	17	100	103.5
2174	PA12-PHL	18	14	2	Black	17	100	103.5
2175*	PA12-PHL	18	14	2	Green	17	100	103.5
2176*	PA12-PHL	18	14	2	Yellow	17	100	103.5
2177*	PA12-PHL	18	14	2	Grey	17	100	103.5



Polyamide PA12-PHL tubes

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2280	PA12-PHL	20	16	2	Natural	15	120	116.5
2281	PA12-PHL	20	16	2	Blue	15	120	116.5
2282*	PA12-PHL	20	16	2	Red	15	120	116.5
2283	PA12-PHL	20	16	2	Black	15	120	116.5
2284*	PA12-PHL	20	16	2	Green	15	120	116.5
2285*	PA12-PHL	20	16	2	Yellow	15	120	116.5
2286*	PA12-PHL	20	16	2	Grey	15	120	116.5
2290	PA12-PHL	22	18	2	Natural	13	150	129.4
2291	PA12-PHL	22	18	2	Blue	13	150	129.4
2292*	PA12-PHL	22	18	2	Red	13	150	129.4
2293	PA12-PHL	22	18	2	Black	13	150	129.4
2294*	PA12-PHL	22	18	2	Green	13	150	129.4
2295*	PA12-PHL	22	18	2	Yellow	13	150	129.4
2296*	PA12-PHL	22	18	2	Grey	13	150	129.4



Polyamide PA12-HL tubes

Temperature range

-60 °C to +100 °C

Polyamide tubes with rigid design are especially suitable for requirements with increased pressures. They have a large temperature range and are preferred for compressed air brakes, pneumatic systems, hydraulic systems and fuel lines in accordance with DIN 73378. The material can be recycled in accordance with the EU Directives.

Can be delivered on request

PA hoses are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

Delivery and minimum order quantity on request.

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	81.00%	61.00%	50.00%	44.00%	39.00%	34.00%	31.00%	28.00%
Temperature	-60 °C to +23 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C	+90 °C	+100 °C

Example: PA-HL tube 8/6 - permissible Op. pressure at 50 °C (38 bar x 50%) = 19 bar permissible.

Colour (abbreviation)

We deliver PA hoses in:

- natural colours (nf)
- blue (bl)
- red (rt)
- black (sw)
- green (gn)
- yellow (ge)
- grey (gr)

Nominal dimensions

- AD = outer diameter
- ID = inner diameter
- (Production dimension)
- Wall thickness

Dimensions / tolerances

AD 2.50 mm to AD 8.00 mm
+/- 0.07 mm

AD 9.00 mm to AD 13.00 mm
+/- 0.10 mm

AD 14.00 mm to AD 22.00 mm
+/- 0.15 mm

Wall thickness

- Up to 1.00 mm +/- 0.10 mm
- Up to 1.25 mm +/- 0.13 mm
- Up to 1.50 mm +/- 0.15 mm
- Up to 2.00 mm +/- 0.20 mm



* Delivery and minimum order quantity on request

If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0



Polyamide PA12-PHL-DUO tubes

Temperature range

-60 °C to +100 °C

Multiple **polyamide tubes** are welded together to form tube groups. For the installation, the pipe group is separated at both ends to the desired length.

Note: Use exclusively in combination with union nuts.

Can be delivered ex warehouse

Roll length: 50 m

Other nominal dimensions, colours, PA-TRIO and PA-QUATRO can be delivered on request.

Colour (abbreviation)

We deliver PA12-PHL-DUO tubes in:

blue / black
(bl / sw)

Nominal dimensions

AD= outer diameter
ID = inner diameter
(Production dimension)
Wall thickness

Tolerances

AD 6.00 mm to AD 8.00 mm
+/- 0.07 mm

Wall thickness

+/- 0.10 mm

eba
pneumatic

If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0

Polyamide PA12-PHL-DUO tubes ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2403	PA-DUO	6	4	1	bl/sw	27	30	32.4
2405	PA-DUO	8	6	1	bl/sw	19	40	45.2



Polyamide PA-SFL tubes

Temperature range

-50 °C to +60 °C

Super-flexible tubes made of a thermoplastic elastomer have higher bending capacity and impact strength especially at low temperatures as compared to plasticised PA 12 moulding compounds.

The material can be recycled in accordance with the EU Directives. These tubes are characterised by their important mechanical properties:

- Good to exceptional hot air and weather resistance
- High abrasion resistance
- Small bending radius
- No plasticisers, therefore no ageing and embrittlement

Can be delivered ex warehouse

PA-SFL hoses are delivered in rolls of 50 m or 100 m fixed lengths or on wooden spools.

* Delivery and minimum order quantity on request.

Other nominal dimensions and colours can be delivered on request.

Colour (abbreviation)

We deliver PA-SFL tubes in:

natural colours (nf)
 blue (bl)
 red (rt)
 black (sw)
 green (gn)
 yellow (ge)
 grey (gr)

Nominal dimensions

AD = outer diameter
 ID = inner diameter
 (Production dimensions)
 Wall thickness

Dimensions / Tolerances

AD 4.00 mm to AD 8.00 mm
 +/- 0.07 mm

AD 9.00 mm to AD 13.00 mm
 +/- 0.10 mm

AD 14.00 mm to AD 16.00 mm
 +/- 0.15 mm

Wall thick-

up to 1.00 mm +/- 0.10 mm
 up to 1.25 mm +/- 0.13 mm
 up to 1.50 mm +/- 0.15 mm
 up to 2.00 mm +/- 0.20 mm

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	77.00%	64.00%	54.00%	46.00%
Temperature	-50 °C to +20 °C	+30 °C	+40 °C	+50 °C	+60 °C

Example: PA-HL tube 8/6 - permissible Op. pressure at 50 °C
 (16 bar x 54%) = 8.6 bar permissible.

Polyamide PA-SFL tubes ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2601	PA-SFL	4	2	1	Natural	36	20	9.5
2602	PA-SFL	4	2	1	Blue	36	20	9.5
2603	PA-SFL	4	2	1	Black	36	20	9.5
2607*	PA-SFL	4	2	1	Grey	36	20	9.5
2791	PA-SFL	4	2.3	0.85	Natural	26	20	8.5
2792	PA-SFL	4	2.3	0.85	Blue	26	20	8.5
2793	PA-SFL	4	2.3	0.85	Black	26	20	8.5
2797*	PA-SFL	4	2.3	0.85	Grey	26	20	8.5
2689	PA-SFL	4	2.5	0.75	Natural	24	20	7.7
2690	PA-SFL	4	2.5	0.75	Blue	24	20	7.7
2691	PA-SFL	4	2.5	0.75	Black	24	20	7.7
2694*	PA-SFL	4	2.5	0.75	Grey	24	20	7.7
2695	PA-SFL	4	2.7	0.65	Natural	16	20	6.9
2696	PA-SFL	4	2.7	0.65	Blue	16	20	6.9
2697	PA-SFL	4	2.7	0.65	Black	16	20	6.9
2701*	PA-SFL	4	2.7	0.65	Grey	16	20	6.9
2611	PA-SFL	4.3	3	0.65	Natural	16	20	7.5
2612	PA-SFL	4.3	3	0.65	Blue	16	20	7.5
2613	PA-SFL	4.3	3	0.65	Black	16	20	7.5
2617*	PA-SFL	4.3	3	0.65	Grey	16	20	7.5



Polyamide PA-SFL tubes

Product No.	Type	Nominal dimensions		Wall thick-ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2621	PA-SFL	5	3	1	Natural	27	20	12.7
2622	PA-SFL	5	3	1	Blue	27	20	12.7
2623	PA-SFL	5	3	1	Black	27	20	12.7
2627*	PA-SFL	5	3	1	Grey	27	20	12.7
2631	PA-SFL	6	4	1	Natural	22	25	15.9
2632	PA-SFL	6	4	1	Blue	22	25	15.9
2633	PA-SFL	6	4	1	Black	22	25	15.9
2634	PA-SFL	6	4	1	Red	22	25	15.9
2635	PA-SFL	6	4	1	Green	22	25	15.9
2636	PA-SFL	6	4	1	Yellow	22	25	15.9
2637	PA-SFL	6	4	1	Grey	22	25	15.9
2641	PA-SFL	8	6	1	Natural	16	35	22.2
2642	PA-SFL	8	6	1	Blue	16	35	22.2
2643	PA-SFL	8	6	1	Black	16	35	22.2
2644	PA-SFL	8	6	1	Red	16	35	22.2
2645	PA-SFL	8	6	1	Green	16	35	22.2
2646	PA-SFL	8	6	1	Yellow	16	35	22.2
2647	PA-SFL	8	6	1	Grey	16	35	22.2
2651	PA-SFL	10	8	1	Natural	12	55	28.6
2652	PA-SFL	10	8	1	Blue	12	55	28.6
2653	PA-SFL	10	8	1	Black	12	55	28.6
2657*	PA-SFL	10	8	1	Grey	12	55	28.6

Polyamide PA-SFL tubes

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2671	PA-SFL	12	9	1.5	Natural	16	55	50.0
2672	PA-SFL	12	9	1.5	Blue	16	55	50.0
2673	PA-SFL	12	9	1.5	Black	16	55	50.0
2677*	PA-SFL	12	9	1.5	Grey	16	55	50.0
2767	PA-SFL	12	10	1	Natural	10	80	34.9
2768	PA-SFL	12	10	1	Blue	10	80	34.9
2769	PA-SFL	12	10	1	Black	10	80	34.9
2772*	PA-SFL	12	10	1	Grey	10	80	34.9
2749	PA-SFL	14	11	1.5	Natural	14	70	59.5
2750	PA-SFL	14	11	1.5	Blue	14	70	59.5
2751	PA-SFL	14	11	1.5	Black	14	70	59.5
2755*	PA-SFL	14	11	1.5	Grey	14	70	59.5
2773	PA-SFL	15	12	1.5	Natural	13	90	64.3
2774	PA-SFL	15	12	1.5	Blue	13	90	64.3
2775	PA-SFL	15	12	1.5	Black	13	90	64.3
2779*	PA-SFL	15	12	1.5	Grey	13	90	64.3
2780	PA-SFL	16	13	1.5	Natural	12	100	69.0
2781	PA-SFL	16	13	1.5	Blue	12	100	69.0
2782	PA-SFL	16	13	1.5	Black	12	100	69.0
2786*	PA-SFL	16	13	1.5	Grey	12	100	69.0



Polyester Polyurethane PUR hoses

Temperature range

-35 °C to +60 °C

PUR hoses are characterised by the following properties in a wide temperature range:

- Little deformation after long-term loads, i.e. good resilience
- High tensile strength
- Very good low-temperature flexibility
- High abrasion resistance
Resistance against aliphatic hydrocarbons and most lubricating oils
- Ageing resistance in oxygen and ozone
- The material can be recycled in accordance with the EU Directives

Can be delivered ex warehouse

PUR hoses are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

* Delivery and minimum order quantity on request.

Other nominal dimensions and colours can be delivered on request.

Colour (abbreviation)

We deliver PUR hoses in:

- natural colours (nf)
- blue (bl)
- red (rt)
- black (sw)
- green (gn)
- yellow (ge)
- grey (gr)

Nominal dimensions

AD= outer diameter
ID = inner diameter
(Production dimension)
Wall thickness

Dimensions / Tolerances

AD 4.00 mm to AD 10.00 mm
+/- 0.09 mm

AD 11.00 mm to AD 15.00 mm
+/- 0.12 mm

Wall thick-

Up to 1.00 mm +/- 0.10 mm
Up to 1.25 mm +/- 0.13 mm
Up to 1.50 mm +/- 0.15 mm
Up to 2.00 mm +/- 0.20 mm

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	86%	75%	68%	62%
Temperature	-35 °C to +20 °C	+30 °C	+40 °C	+50 °C	+60 °C

Example: PUR hose 8/6 - permissible Op. pressure at 50 °C
(12 bar x 68%) = 8 bar permissible.

Plastic hoses

Polyester Polyurethane PUR hoses ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3047	PUR	4	2	1	Natural	21	10	11.5
3048	PUR	4	2	1	Blue	21	10	11.5
3049	PUR	4	2	1	Black	21	10	11.5
3063*	PUR	4	2	1	Grey	21	10	11.5
3073	PUR	4	2.5	0.75	Natural	15	13	9.3
3074	PUR	4	2.5	0.75	Blue	15	13	9.3
3075	PUR	4	2.5	0.75	Black	15	13	9.3
3088*	PUR	4	2.5	0.75	Grey	15	13	9.3
3079	PUR	4	2.7	0.65	Natural	12	14	8.4
3080	PUR	4	2.7	0.65	Blue	12	14	8.4
3081	PUR	4	2.7	0.65	Black	12	14	8.4
3085*	PUR	4	2.7	0.65	Grey	12	14	8.4
3001	PUR	4.3	3 (2.9)	0.70	Natural	12	14	9.7
3002	PUR	4.3	3 (2.9)	0.70	Blue	12	14	9.7
3003	PUR	4.3	3 (2.9)	0.70	Black	12	14	9.7
3007*	PUR	4.3	3 (2.9)	0.70	Grey	12	14	9.7
3011	PUR	5	3	1	Natural	16	12	15.3
3012	PUR	5	3	1	Blue	16	12	15.3
3013	PUR	5	3	1	Black	16	12	15.3
3017*	PUR	5	3	1	Grey	16	12	15.3



Polyester Polyurethane PUR hoses

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3021	PUR	6	4 (3.9)	1.05	Natural	14	20	21.4
3022	PUR	6	4 (3.9)	1.05	Blue	14	20	21.4
3023	PUR	6	4 (3.9)	1.05	Black	14	20	21.4
3024	PUR	6	4 (3.9)	1.05	Red	14	20	21.4
3025	PUR	6	4 (3.9)	1.05	Green	14	20	21.4
3026	PUR	6	4 (3.9)	1.05	Yellow	14	20	21.4
3027	PUR	6	4 (3.9)	1.05	Grey	14	20	21.4
3144	PUR	8	5	1.5	Natural	15	25	37.4
3142	PUR	8	5	1.5	Blue	15	25	37.4
3145	PUR	8	5	1.5	Black	15	25	37.4
3146*	PUR	8	5	1.5	Grey	15	25	37.4
3065	PUR	8	5.5	1.25	Natural	12	30	32.3
3066	PUR	8	5.5	1.25	Blue	12	30	32.3
3067	PUR	8	5.5	1.25	Black	12	30	32.3
3071*	PUR	8	5.5	1.25	Grey	12	30	32.3
3031	PUR	8	6 (5.7)	1.15	Natural	12	35	30.2
3032	PUR	8	6 (5.7)	1.15	Blue	12	35	30.2
3033	PUR	8	6 (5.7)	1.15	Black	12	35	30.2
3034	PUR	8	6 (5.7)	1.15	Red	12	35	30.2
3035	PUR	8	6 (5.7)	1.15	Green	12	35	30.2
3036	PUR	8	6 (5.7)	1.15	Yellow	12	35	30.2
3037	PUR	8	6 (5.7)	1.15	Grey	12	35	30.2
3116	PUR	10	7.5	1.25	Natural	9	50	41.9
3117	PUR	10	7.5	1.25	Blue	9	50	41.9
3118	PUR	10	7.5	1.25	Black	9	50	41.9
3122*	PUR	10	7.5	1.25	Grey	9	50	41.9

Polyester Polyurethane PUR hoses

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3041	PUR	10	8 (7.7)	1.15	Natural	9	60	39.0
3042	PUR	10	8 (7.7)	1.15	Blue	9	60	39.0
3043	PUR	10	8 (7.7)	1.15	Black	9	60	39.0
3094*	PUR	10	8 (7.7)	1.15	Grey	9	60	39.0
3050	PUR	11.5	9	1.25	Natural	8	55	49.1
3051	PUR	11.5	9	1.25	Blue	8	55	49.1
3052	PUR	11.5	9	1.25	Black	8	55	49.1
3056*	PUR	11.5	9	1.25	Grey	8	55	49.1
3150	PUR	12	8	2	Natural	13	50	76.7
3143	PUR	12	8	2	Blue	13	50	76.7
3151	PUR	12	8	2	Black	13	50	76.7
3152*	PUR	12	8	2	Grey	13	50	76.7
3044	PUR	12	9	1.5	Natural	10	55	60.4
3045	PUR	12	9	1.5	Blue	10	55	60.4
3046	PUR	12	9	1.5	Black	10	55	60.4
3103*	PUR	12	9	1.5	Grey	10	55	60.4
3134	PUR	14	11	1.5	Natural	8	70	71.9
3135	PUR	14	11	1.5	Blue	8	70	71.9
3136	PUR	14	11	1.5	Black	8	70	71.9
3137*	PUR	14	11	1.5	Grey	8	70	71.9
3170	PUR	15	12	1.5	Natural	7	80	77.6
3171	PUR	15	12	1.5	Blue	7	80	77.6
3172	PUR	15	12	1.5	Black	7	80	77.6
3173*	PUR	15	12	1.5	Grey	7	80	77.6



Polyester Polyurethane PUR-DUO hoses

Temperature range

-35 °C to +60 °C

PUR hoses are welded together to form hose groups. For the installation, the hose group is separated at both ends to the desired length.

Note: Use exclusively in combination with union nuts.

Can be delivered ex warehouse

Roll length: 50 m

Colour (abbreviation)

We deliver PUR-DUO hoses in:

DUO hoses
blue / black
(bl / sw)

TRIO hoses
blue / black / natural
(bl / sw / nf)

QUATRO hoses
blue / black / natural / green
(bl / sw / nf / gn)

Nominal dimensions

AD = outer diameter
ID = inner diameter
(Production dimension)
Wall thickness

Tolerances

See page A 36

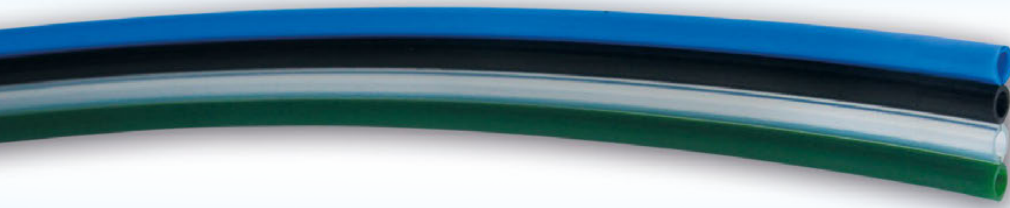
Polyester Polyurethane PUR-DUO hoses ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3553	PUR-DUO	4	2	1	bl / sw	21	10	23.0
3554	PUR-DUO	4.3	3 (2.9)	0.70	bl / sw	12	14	19.4
35541	PUR-DUO	5	3	1	bl / sw	16	12	30.6
3555	PUR-DUO	6	4 (3.9)	1.05	bl / sw	14	20	42.8
3556	PUR-DUO	8	6 (5.7)	1.15	bl / sw	12	35	60.4
3557	PUR-DUO	10	8 (7.7)	1.15	bl / sw	9	60	78.0



Polyester Polyurethane PUR-TRIO hoses ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3585	PUR-TRIO	6	4 (3.9)	1.05	bl / sw / nf	14	20	64.2
3586	PUR-TRIO	8	6 (5.7)	1.15	bl / sw / nf	12	35	90.6



Polyester Polyurethane PUR-QUADRO hoses ●

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3620	PUR-QUADRO	6	4 (3.9)	1.05	bl/sw/nf/gn	14	20	85.6
3621	PUR-QUADRO	8	6 (5.7)	1.15	bl/sw/nf/gn	12	35	120.8



Polyether Polyurethane PUR-L hoses of type 1198

Temperature range

-25 °C to +50 °C

These **PUR-L hoses of type 1198** are characterised by exceptional properties in a wide temperature range. Good hydrolysis resistance, low-temperature flexibility and resistance to micro-organisms, good wear resistance and high tensile strength, very good damping capacity. The material can be recycled in accordance with the EU Directives.

Can be delivered ex warehouse

PUR-L hoses of type 1198 are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

* Delivery and minimum order quantity on request.

Other nominal dimensions, connection threads and colours can be delivered on request.

Colour (abbreviation)

We deliver PUR-L hoses of type 1198 in:

- crystal clear (gk)
- blue-transparent (bl-tp)
- black-transparent (sw-tp)

Nominal dimensions

AD= outer diameter
 ID = inner diameter
 (Production dimension)
 Wall thickness

Dimensions / tolerances

AD 4.00 mm to AD 10.00 mm
 +/- 0.09 mm

AD 11.00 mm to AD 15.00 mm
 +/- 0.12 mm

Wall thickness

- Up to 1.00 mm +/- 0.10 mm
- Up to 1.25 mm +/- 0.13 mm
- Up to 1.50 mm +/- 0.15 mm

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	85%	70%	60%
Temperature	-25 °C to +20 °C	+30 °C	+40 °C	+50 °C

Example: PUR-L hoses of type 1198 8/6 - permissible Op. pressure at 50 °C (9 bar x 60%) = 5.4 bar permissible.



If you have any queries,
 please contact us:
 Tel.: +49 (0) 7195-5890-0

Polyether Polyurethane PUR-L hoses of type 1198 ●

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
39061	PUR-L 1198	4	2	1.00	Crystal clear	19	10	10.9
39062	PUR-L 1198	4	2	1.00	Blue-transparent	19	10	10.9
39066*	PUR-L 1198	4	2	1.00	Black-transparent	19	10	10.9
39071	PUR-L 1198	4	2.5	0.75	Crystal clear	13	12	8.9
39072	PUR-L 1198	4	2.5	0.75	Blue-transparent	13	12	8.9
39077*	PUR-L 1198	4	2.5	0.75	Black-transparent	13	12	8.9
39111	PUR-L 1198	6	4 (3.9)	1.05	Crystal clear	11	18	18.2
39112	PUR-L 1198	6	4 (3.9)	1.05	Blue-transparent	11	18	18.2
39114*	PUR-L 1198	6	4 (3.9)	1.05	Black-transparent	11	18	18.2
39141	PUR-L 1198	8	6 (5.7)	1.15	Crystal clear	9	28	28.7
39142	PUR-L 1198	8	6 (5.7)	1.15	Blue-transparent	9	28	28.7
39144*	PUR-L 1198	8	6 (5.7)	1.15	Black-transparent	9	28	28.7
39181	PUR-L 1198	10	8 (7.7)	1.5	Crystal clear	8	55	37.1
39182	PUR-L 1198	10	8 (7.7)	1.5	Blue-transparent	8	55	37.1
39184*	PUR-L 1198	10	8 (7.7)	1.5	Black-transparent	8	55	37.1
39211	PUR-L 1198	12	9	1.50	Crystal clear	8	50	57.4
39212	PUR-L 1198	12	9	1.50	Blue-transparent	8	50	57.4
39216*	PUR-L 1198	12	9	1.50	Black-transparent	8	50	57.4



Polyether Polyurethane PUR hoses of type 1154

Temperature range

-25 °C to +50 °C

These **PUR hoses of type 1154** are characterised by exceptional properties in a wide temperature range. Good hydrolysis resistance, low-temperature flexibility and resistance to micro-organisms, good wear resistance and high tensile strength, very good damping capacity. The material can be recycled in accordance with the EU Directives.

Can be delivered ex warehouse

PUR hoses of type 1154 are delivered in rolls of 50 m or 100 m fixed lengths or on drums.

* Delivery and minimum order quantity on request.

Other nominal dimensions, connection threads and colours can be delivered on request.

Colour (abbreviation)

We deliver PUR hoses of type 1154 in:

crystal clear (gk)
blue-transparent (bl-tp)
black-transparent (sw-tp)

Nominal dimensions

AD = outer diameter
ID = inner diameter
(Production dimension)
Wall thickness

Dimensions / tolerances

AD 4.00 mm to AD 10.00 mm
+/- 0.09 mm

AD 11.00 mm to AD 15.00 mm
+/- 0.12 mm

Wall thick-

Up to 1.00 mm +/- 0.10 mm
Up to 1.25 mm +/- 0.13 mm
Up to 1.50 mm +/- 0.15 mm

Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	66%	48%
Temperature	-25 °C to +20 °C	+40 °C	+60 °C

Example: PUR hoses of type 1154 8/6 - permissible Op. pressure at 40 °C (11 bar x 66%) = 7 bar permissible.

eba
pneumatic

If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0

Polyether Polyurethane PUR hoses of type 1154 ●

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3701	PUR 1154 D	4	2	1	crystal clear	25	10	11.0
3702	PUR 1154 D	4	2	1	Blue-transparent	25	10	11.0
3703*	PUR 1154 D	4	2	1	Black-transparent	25	10	11.0
3711	PUR 1154 D	4	2.5	0.75	crystal clear	17	12	9.0
3712	PUR 1154 D	4	2.5	0.75	Blue-transparent	17	12	9.0
3713*	PUR 1154 D	4	2.5	0.75	Black-transparent	17	12	9.0
3751	PUR 1154 D	6	4 (3.9)	1	crystal clear	15	18	19.0
3752	PUR 1154 D	6	4 (3.9)	1	Blue-transparent	15	18	19.0
3753*	PUR 1154 D	6	4 (3.9)	1	Black-transparent	15	18	19.0
3781	PUR 1154 D	8	6 (5.7)	1.15	crystal clear	11	35	29.0
3782	PUR 1154 D	8	6 (5.7)	1.15	Blue-transparent	11	35	29.0
3783*	PUR 1154 D	8	6 (5.7)	1.15	Black-transparent	11	35	29.0



Polyether Polyurethane PUR hoses of type 1154

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3821	PUR 1154 D	10	8 (7.7)	1.15	crystal clear	8	55	37.4
3822	PUR 1154 D	10	8 (7.7)	1.15	Blue-transparent	8	55	37.4
3823*	PUR 1154 D	10	8 (7.7)	1.15	Black-transparent	8	55	37.4
3851	PUR 1154 D	12	9	1.5	crystal clear	11	50	57.9
3852	PUR 1154 D	12	9	1.5	Blue-transparent	11	50	57.9
3853*	PUR1154 D	12	9	1.5	Black-transparent	11	50	57.9



Polyether Polyurethane PUR-DUO hoses of type 1154

Temperature range

-25 °C to +50 °C

PUR hoses are welded together to form hose groups. For the installation, the hose group is separated at both ends to the desired length.

Note: Use exclusively in combination with union nuts.

Available upon request

Roll length: 50 m

Colour (abbreviation)

We deliver PUR-DUO hoses in:

DUO hoses
blue / black transparent
(bl-tp / sw-tp)

Nominal dimensions

AD = outer diameter
ID = inner diameter
(Production dimension)
Wall thickness

Tolerances

See page A 36

Polyether Polyurethane PUR-DUO hoses of type 1154 ●

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3580*	PUR-DUO	4	2	1	bl/sw transparent	25	10	22.0
3581*	PUR-DUO	6	4 (3.9)	1.05	bl/sw transparent	15	20	38.2
3582*	PUR-DUO	8	6 (5.7)	1.15	bl/sw transparent	11	35	57.9
3583*	PUR-DUO	10	8 (7.7)	1.15	bl/sw transparent	8	55	74.8



Polyether Polyurethane PUR-TRIO hoses of type 1154 ●

Product No.	Type	Nominal dimensions		Wall thickness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
3587*	PUR-TRIO	6	4 (3.9)	1.05	bl/sw/nf transparent	15	20	57.3
3588*	PUR-TRIO	8	6 (5.7)	1.15	bl/sw/nf transparent	11	35	86.9



Plastic spirals



Polyamide PA 12-PHL axial spirals ●
Polyamide PA 12-PHL axial spirals with screw joint ●

Polyamide PA 12-PHL radial spirals ●
Polyamide PA 12-PHL radial spirals with screw joint ●

Polyamide PA-12-PHL-DUO axial spirals ●
Polyamide PA-12-PHL-DUO axial spirals with screw joint ●

Polyester-Polyurethane PUR axial spirals ●
Polyester-Polyurethane PUR axial spirals with screw joint ●

Polyester-Polyurethane PUR radial spirals ●
Polyester-Polyurethane PUR radial spirals with screw joint ●

Polyester-Polyurethane PURDUO axial spirals ●
Polyester-Polyurethane PUR-DUO axial spirals with screw joint ●

Polyester-Polyurethane PUR-DUO radial spirals ●
Polyester-Polyurethane PUR-DUO radial spirals with screw joint ●

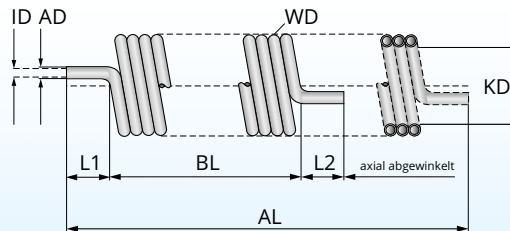
Polyester-Polyurethane PUR-TRIO radial spirals ●
Polyester-Polyurethane PUR-TRIO radial spirals with screw joint ●

Polyester-Polyurethane PUR-QUADRO radial spirals ●
Polyester-Polyurethane PUR-QUADRO radial spirals with screw joint ●

Polyether-Polyurethane PUR-L- special axial spirals ●
Polyether-Polyurethane PUR-L-special axial spirals with screw joint ●



Polyamide PA 12-PHL axial spirals



PA compressed air spirals are ideally suitable for the air feed to air consumers and offer the following advantages:

- No disruptive effect
- No risk of tripping at the workplace
- More clearly arranged workplace
- Space-saving
- Lighter and more mobile than conventional compressed air hoses
- Oil resistant
- Good resilience
- No pressure losses
- Long service life
- Ideal air feed in combination with balances for compressed air driven manual tools

Default colour

Blue

Nominal dimensions

AD = outer diameter in mm
 ID = inner diameter in mm
 (Production dimension)
 AL = working length in m
 AG = without/with connection threads
 KD = core diameter in mm
 L1 = axial mm
 WD = x-time windings
 BL = block length in mm

 AG = connection thread s = fixed
 AG = connection thread d = rotatable

Standard types

with axial outputs

Other nominal dimensions, connection threads and colours can be delivered on request.

Screw joints

Fixed and rotatable
 Design with an anti-kink spring
 See page C2 - C7

Polyamide PA 12-PHL axial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
40001	PA-Spi	4.3	3	2.5	without	30	80	44	195	39.0
40002	PA-Spi	4.3	3	5.0	without	30	80	86	385	77.0
40003	PA-Spi	4.3	3	7.5	without	30	80	128	570	116.0
40006	PA-Spi	4.3	3	10.0	without	30	80	170	760	154.0
4002	PA-Spi	6	4	2.5	without	60	80	22	140	81.0
4004	PA-Spi	6	4	5.0	without	60	80	44	280	162.0
40042	PA-Spi	6	4	7.5	without	60	80	66	420	243.0
40044	PA-Spi	6	4	10.0	without	60	80	88	560	324.0
4007	PA-Spi	8	6	2.5	without	80	80	17	140	114.0
4009	PA-Spi	8	6	5.0	without	80	80	34	280	227.0
40092	PA-Spi	8	6	7.5	without	80	80	51	425	340.0
40098	PA-Spi	8	6	10.0	without	80	80	68	565	454.0
4012	PA-Spi	10	8	2.5	without	90	80	15	165	146.0
4014	PA-Spi	10	8	5.0	without	90	80	30	330	291.0
40142	PA-Spi	10	8	7.5	without	90	80	45	495	437.0
40144	PA-Spi	10	8	10.0	without	90	80	60	660	582.0
4017	PA-Spi	12	9	2.5	without	90	80	15	190	255.0
4019	PA-Spi	12	9	5.0	without	90	80	30	380	510.0
40192	PA-Spi	12	9	7.5	without	90	80	45	570	765.0
40193	PA-Spi	12	9	10.0	without	90	80	60	760	1020.0
4022	PA-Spi	15	12	2.5	without	150	80	10	160	328.0
4024	PA-Spi	15	12	5.0	without	150	80	20	320	655.0
40242	PA-Spi	15	12	7.5	without	150	80	30	480	983.0
40246	PA-Spi	15	12	10.0	without	150	80	40	640	1310.0

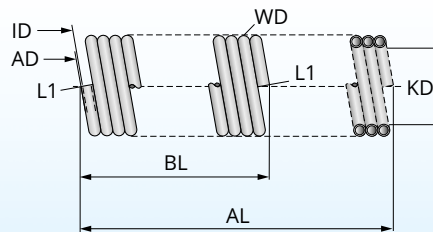


Polyamide PA 12-PHL axial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4001	PA-Spi	6	4	2.5	G $\frac{1}{8}$ " d	60	80	22	140	113.0
4003	PA-Spi	6	4	5.0	G $\frac{1}{8}$ " d	60	80	44	280	224.0
40041	PA-Spi	6	4	7.5	G $\frac{1}{8}$ " d	60	80	66	420	305.0
40043	PA-Spi	6	4	10.0	G $\frac{1}{8}$ " d	60	80	88	560	386.0
4006	PA-Spi	8	6	2.5	G $\frac{1}{4}$ " d	80	80	17	140	200.0
4008	PA-Spi	8	6	5.0	G $\frac{1}{4}$ " d	80	80	34	280	313.0
40091	PA-Spi	8	6	7.5	G $\frac{1}{4}$ " d	80	80	51	425	426.0
40099	PA-Spi	8	6	10.0	G $\frac{1}{4}$ " d	80	80	68	565	540.0
4011	PA-Spi	10	8	2.5	G $\frac{1}{4}$ " d	90	80	15	165	234.0
4013	PA-Spi	10	8	5.0	G $\frac{1}{4}$ " d	90	80	30	330	379.0
40141	PA-Spi	10	8	7.5	G $\frac{1}{4}$ " d	90	80	45	495	525.0
40143	PA-Spi	10	8	10.0	G $\frac{1}{4}$ " d	90	80	60	660	670.0
4016	PA-Spi	12	9	2.5	G $\frac{3}{8}$ " d	90	80	15	190	393.0
4018	PA-Spi	12	9	5.0	G $\frac{3}{8}$ " d	90	80	30	380	648.0
40191	PA-Spi	12	9	7.5	G $\frac{3}{8}$ " d	90	80	45	570	903.0
40194	PA-Spi	12	9	10.0	G $\frac{3}{8}$ " d	90	80	60	760	1158.0
4021	PA-Spi	15	12	2.5	G $\frac{1}{2}$ " s	150	80	10	160	524.0
4023	PA-Spi	15	12	5.0	G $\frac{1}{2}$ " s	150	80	20	320	851.0
40241	PA-Spi	15	12	7.5	G $\frac{1}{2}$ " s	150	80	30	480	1179.0
40247	PA-Spi	15	12	10.0	G $\frac{1}{2}$ " s	150	80	40	640	1506.0



Polyamide PA 12-PHL radial spirals



PA compressed air spirals are ideally suitable for the air feed to air consumers and offer the following advantages:

- No disruptive effect
- No risk of tripping at the workplace
- More clearly arranged workplace
- Space-saving
- Lighter and more mobile than conventional compressed air hoses
- Oil resistant
- Good resilience
- No pressure losses
- Long service life
- Ideal air feed in combination with balances for compressed air driven manual tools

Default colour

Blue

Nominal dimensions

AD = outer diameter in mm
 ID = inner diameter in mm
 (Production dimension)
 AL = working length in m
 AG = without/with connection threads
 KD = core diameter in mm
 L1 = radial mm
 WD = x-time windings
 BL = block length in mm
 AG = connection thread s = fixed
 AG = connection thread d = rotatable

Standard types

with radial outputs

Screw joints

Fixed and rotatable design with an anti-kink spring, see page C2 - C7

Polyamide PA 12-PHLradial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
40014	PA-Spi	4.3	3	5	without	30	radial	93	399	75.0
40015	PA-Spi	4.3	3	7.5	without	30	radial	139	599	113.0
40016	PA-Spi	4.3	3	10	without	30	radial	186	798	151.0
40004	PA-Spi	4.3	3	15	without	30	radial	257	1140	226.0
40005	PA-Spi	4.3	3	20	without	30	radial	328	1455	301.0
40017	PA-Spi	6	4	5	without	60	radial	48	289	159.0
40018	PA-Spi	6	4	10	without	60	radial	96	579	317.0
4005	PA-Spi	6	4	15	without	60	radial	132	790	476.0
40051	PA-Spi	6	4	20	without	60	radial	176	1050	635.0
40019	PA-Spi	8	6	5	without	80	radial	36	289	222.0
40027	PA-Spi	8	6	10	without	80	radial	72	579	444.0
4010	PA-Spi	8	6	15	without	80	radial	102	825	666.0
40101	PA-Spi	8	6	20	without	80	radial	136	1120	888.0
40028	PA-Spi	10	8	5	without	90	radial	32	318	286.0
4015	PA-Spi	10	8	15	without	90	radial	90	980	857.0
40151	PA-Spi	10	8	20	without	90	radial	120	1300	1142.0
40206	PA-Spi	12	9	15	without	90	radial	90	1150	1499.0
40201	PA-Spi	12	9	17.5	without	90	radial	105	1350	1749.0
4025	PA-Spi	15	12	15	without	150	radial	55	880	1928.0

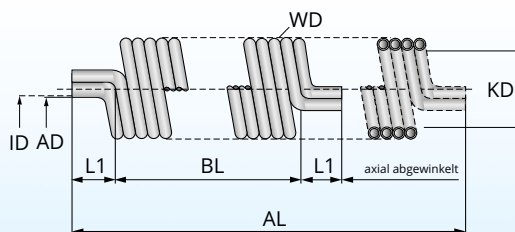


Polyamide PA-12-PHL radial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
40078	PA-Spi	6	4	5	G $\frac{1}{8}$ " d	60	radial	48	289	221.0
40079	PA-Spi	6	4	10	G $\frac{1}{8}$ " d	60	radial	96	579	379.0
40045	PA-Spi	6	4	15	G $\frac{1}{8}$ " d	60	radial	132	790	538.0
40046	PA-Spi	6	4	20	G $\frac{1}{8}$ " d	60	radial	176	1050	697.0
40118	PA-Spi	8	6	5	G $\frac{1}{4}$ " d	80	radial	36	289	308.0
40119	PA-Spi	8	6	10	G $\frac{1}{4}$ " d	80	radial	72	579	530.0
40105	PA-Spi	8	6	15	G $\frac{1}{4}$ " d	80	radial	102	825	752.0
40106	PA-Spi	8	6	20	G $\frac{1}{4}$ " d	80	radial	136	1120	974.0
40123	PA-Spi	10	8	5	G $\frac{1}{4}$ " d	90	radial	32	318	374.0
40156	PA-Spi	10	8	15	G $\frac{1}{4}$ " d	90	radial	90	980	945.0
40157	PA-Spi	10	8	20	G $\frac{1}{4}$ " d	90	radial	120	1300	1230.0
40208	PA-Spi	12	9	15	G $\frac{3}{8}$ " d	90	radial	90	1150	1637.0
40202	PA-Spi	12	9	17.5	G $\frac{3}{8}$ " d	90	radial	105	1350	1887.0
40251	PA-Spi	15	12	15	G $\frac{1}{2}$ " s	150	radial	55	880	2124.0



Polyamide PA-12-PHL-DUO axial spirals



Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm
(Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = axial mm
- WD = x-time windings
- BL = block length in mm

- AG = connection thread s = fixed
- AG = connection thread d = rotatable

eba
pneumatic

If you have any queries,
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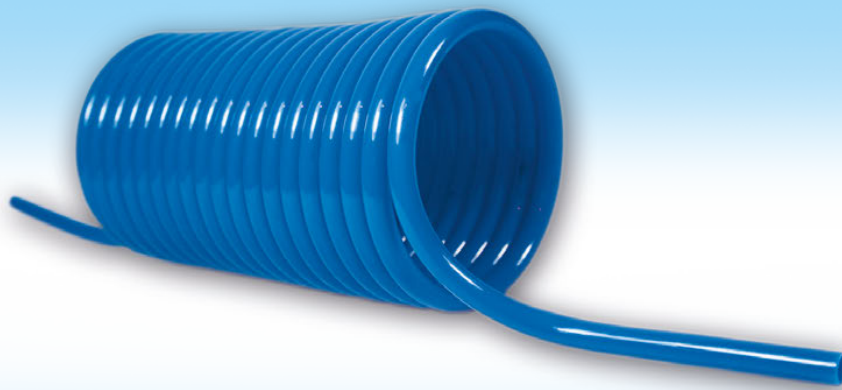
Polyamide PA-12-PHL-DUO axial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4250	PA D-Spi	6	4	2.5	without	60	80	22	285	162.0
4251	PA D-Spi	6	4	5.0	without	60	80	44	570	324.0
4252	PA D-Spi	6	4	7.5	without	60	80	66	855	486.0
4253	PA D-Spi	6	4	10.0	without	60	80	88	1140	648.0
4260	PA D-Spi	8	6	2.5	without	80	80	17	290	226.0
4261	PA D-Spi	8	6	5.0	without	80	80	34	580	452.0
4262	PA D-Spi	8	6	7.5	without	80	80	51	870	678.0
4263	PA D-Spi	8	6	10.0	without	80	80	68	1160	904.0

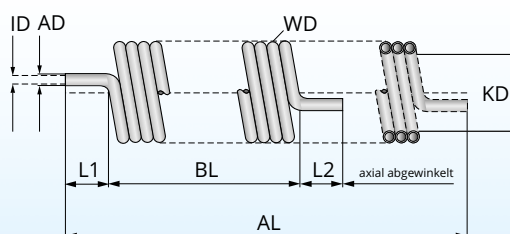


Polyamide PA-12-PHL-DUO axial spirals with screw joint ●

Product No.	Type	Tube AD mm	ID mm	AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
4270	PA D-Spi	6	4	2.5	1/8" d	60	80	22	285	286.0
4271	PA D-Spi	6	4	5.0	1/8" d	60	80	44	570	448.0
4272	PA D-Spi	6	4	7.5	1/8" d	60	80	66	855	610.0
4273	PA D-Spi	6	4	10.0	1/8" d	60	80	88	1140	772.0
4280	PA D-Spi	8	6	2.5	1/4" d	80	80	17	290	398.0
4281	PA D-Spi	8	6	5.0	1/4" d	80	80	34	580	624.0
4282	PA D-Spi	8	6	7.5	1/4" d	80	80	51	870	850.0
4283	PA D-Spi	8	6	10.0	1/4" d	80	80	68	1160	1076.0



Polyester Polyurethane PUR axial spirals



PUR compressed air spirals are ideally suitable for the air feed to air consumers and offer the following advantages:

- Little deformation after long-term loads
- Good resilience
- High tensile strength
- Very good low-temperature flexibility
- High abrasion resistance
- Resistance against aliphatic hydrocarbons and most lubricating oils
- Ageing resistance against oxygen and ozone
- Narrow core diameter
- No disruptive effect
- Space-saving

Default colour

Blue

Nominal dimensions

AD = outer diameter in mm
 ID = inner diameter in mm
 (Production dimension)
 AL = working length in m
 AG = without/with connection threads
 KD = core diameter in mm
 L1 = axially angled mm
 WD = x-time windings
 BL = block length in mm
 AG = connection thread s = fixed
 AG = connection thread d = rotatable

Standard types

with axial outputs

Screw joints

Fixed and rotatable
 Design with an anti-kink spring
 see page C2 - C7

Plastic spirals

Polyester Polyurethane PUR axial spirals ●

Product No.	Type	Tube AD mm	ID mm	AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
4541	PUR-Spi	4.3	3 (2.9)	2.5	without	25	80	38	175	39.0
4542	PUR-Spi	4.3	3 (2.9)	5.0	without	25	80	76	350	78.0
4543	PUR-Spi	4.3	3 (2.9)	7.5	without	25	80	115	520	117.0
4546	PUR-Spi	4.3	3 (2.9)	10.0	without	25	80	154	700	156.0
4558	PUR-Spi	6	4 (3.9)	2.5	without	40	80	25	155	86.0
4560	PUR-Spi	6	4 (3.9)	5.0	without	40	80	49	310	172.0
4562	PUR-Spi	6	4 (3.9)	7.5	without	40	80	71	445	258.0
4553	PUR-Spi	6	4 (3.9)	10.0	without	40	80	100	610	344.0
4566	PUR-Spi	8	6 (5.7)	2.5	without	50	80	19	165	121.0
4568	PUR-Spi	8	6 (5.7)	5.0	without	50	80	37	320	242.0
4570	PUR-Spi	8	6 (5.7)	7.5	without	50	80	53	460	363.0
4575	PUR-Spi	8	6 (5.7)	10.0	without	50	80	70	615	484.0
4592	PUR-Spi	10	7	2.5	without	70	80	15	180	195.5
4594	PUR-Spi	10	7	5.0	without	70	80	30	340	391.0
4596	PUR-Spi	10	7	7.5	without	70	80	45	495	586.5
4601	PUR-Spi	10	7	10.0	without	70	80	60	650	682.0
4608	PUR-Spi	12	9	2.5	without	80	80	12	175	242.0
4610	PUR-Spi	12	9	5.0	without	80	80	24	325	484.0
4612	PUR-Spi	12	9	7.5	without	80	80	36	500	726.0
4619	PUR-Spi	12	9	10.0	without	80	80	48	675	968.0

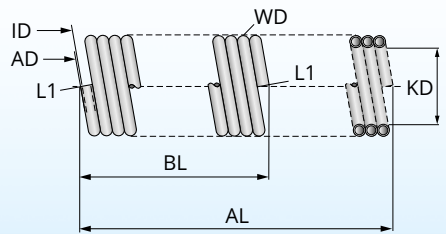


Polyester Polyurethane PUR axial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4557	PUR-Spi	6	4 (3.9)	2.5	1/8" d	40	80	25	155	148.0
4559	PUR-Spi	6	4 (3.9)	5.0	1/8" d	40	80	49	310	234.0
4561	PUR-Spi	6	4 (3.9)	7.5	1/8" d	40	80	71	445	320.0
4554	PUR-Spi	6	4 (3.9)	10.0	1/8" d	40	80	100	610	406.0
4565	PUR-Spi	8	6 (5.7)	2.5	1/4" d	50	80	19	165	207.0
4567	PUR-Spi	8	6 (5.7)	5.0	1/4" d	50	80	37	320	328.0
4569	PUR-Spi	8	6 (5.7)	7.5	1/4" d	50	80	53	460	449.0
4576	PUR-Spi	8	6 (5.7)	10.0	1/4" d	50	80	70	615	546.0
4591	PUR-Spi	10	7	2.5	1/4" d	70	80	15	180	283.5
4593	PUR-Spi	10	7	5.0	1/4" d	70	80	30	340	479.0
4595	PUR-Spi	10	7	7.5	1/4" d	70	80	45	495	674.5
4602	PUR-Spi	10	7	10.0	1/4" d	70	80	60	650	870.0
4607	PUR-Spi	12	9	2.5	3/8" d	80	80	12	175	380.0
4609	PUR-Spi	12	9	5.0	3/8" d	80	80	24	325	622.0
4611	PUR-Spi	12	9	7.5	3/8" d	80	80	36	500	864.0
4620	PUR-Spi	12	9	10.0	3/8" d	80	80	48	675	1106.0



Polyester Polyurethane PUR radial spirals



PUR Polyurethane spirals are exceptionally suited for compressed air tools at installation workstations:

- Extremely high resilience
- High tensile strength
- High abrasion resistance
- Resistance against aliphatic hydrocarbons and most lubricating oils
- Narrow core diameter
- No disruptive effect
- Space-saving
- Very good flexibility and elasticity

Default colour

Blue

Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm (Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = radial mm
- WD = x-time windings
- BL = block length in mm
- AG = connection thread s = fixed
- AG = connection thread d = rotatable

Standard types

with radial outputs

Screw joints

Fixed and rotatable design with an anti-kink spring, see page C2 - C7



If you have any queries, please contact us:
Tel.: +49 (0) 7195-5890-0

Polyester Polyurethane **PUR** radial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4500	PUR-Spi	4.3	3 (2.9)	5	without	25	radial	87	374	77
4501	PUR-Spi	4.3	3 (2.9)	7.5	without	25	radial	130	561	116
4502	PUR-Spi	4.3	3 (2.9)	10	without	25	radial	174	747	155
4544	PUR-Spi	4.3	3 (2.9)	15	without	25	radial	227	1040	232
4545	PUR-Spi	4.3	3 (2.9)	20	without	25	radial	288	1330	309
4503	PUR-Spi	6	4 (3.9)	5	without	40	radial	55	332	159
4504	PUR-Spi	6	4 (3.9)	10	without	40	radial	111	664	319
4563	PUR-Spi	6	4 (3.9)	15	without	40	radial	150	915	478
4564	PUR-Spi	6	4 (3.9)	20	without	40	radial	200	1220	637
4505	PUR-Spi	8	6 (5.7)	5	without	50	radial	44	351	242
4506	PUR-Spi	8	6 (5.7)	10	without	50	radial	88	702	483
4571	PUR-Spi	8	6 (5.7)	15	without	50	radial	107	950	725
4572	PUR-Spi	8	6 (5.7)	20	without	50	radial	145	1310	966
4507	PUR-Spi	10	7	5	without	70	radial	32	318	391
4597	PUR-Spi	10	7	15	without	70	radial	90	990	1173
4598	PUR-Spi	10	7	20	without	70	radial	120	1330	1564
4613	PUR-Spi	12	9	12.5	without	80	radial	60	840	1207
4615	PUR-Spi	12	9	15	without	80	radial	72	1000	1449
4614	PUR-Spi	12	9	17.5	without	80	radial	84	1175	1690

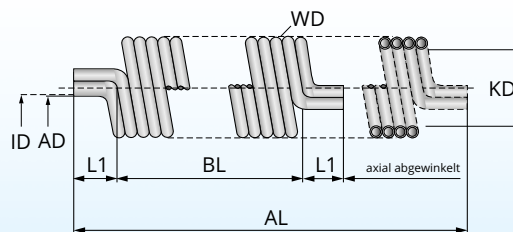


Polyester Polyurethane PUR radial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4511	PUR-Spi	6	4 (3.9)	5	1/8" d	40	radial	55	332	221
4512	PUR-Spi	6	4 (3.9)	10	1/8" d	40	radial	111	664	381
4555	PUR-Spi	6	4 (3.9)	15	1/8" d	40	radial	150	915	540
4556	PUR-Spi	6	4 (3.9)	20	1/8" d	40	radial	200	1220	699
4513	PUR-Spi	8	6 (5.7)	5	1/4" d	50	radial	44	351	328
4514	PUR-Spi	8	6 (5.7)	10	1/4" d	50	radial	88	702	569
4573	PUR-Spi	8	6 (5.7)	15	1/4" d	50	radial	107	950	811
4574	PUR-Spi	8	6 (5.7)	20	1/4" d	50	radial	145	1310	1052
4515	PUR-Spi	10	7	5	1/4" d	70	radial	32	318	479
4599	PUR-Spi	10	7	15	1/4" d	70	radial	90	990	1261
4600	PUR-Spi	10	7	20	1/4" d	70	radial	120	1330	1652
4616	PUR-Spi	12	9	12.5	3/8" d	80	radial	60	840	1345
4617	PUR-Spi	12	9	15	3/8" d	80	radial	72	1000	1587
4618	PUR-Spi	12	9	17.5	3/8" d	80	radial	84	1175	1828



Polyester Polyurethane PUR-DUO axial spirals



Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm
(Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = axial mm
- WD = x-time windings
- BL = block length in mm

- AG = connection thread s = fixed
- AG = connection thread d = rotatable

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Polyester Polyurethane PUR-DUO axial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4100	PUR D-Spi	4	2	2.5	without	25	80	37	320	92.0
4101	PUR D-Spi	4	2	5.0	without	25	80	74	650	184.0
41011	PUR D-Spi	4	2	7.5	without	25	80	111	980	276.0
4102	PUR D-Spi	4	2	10.0	without	25	80	148	1310	368.0
4103	PUR D-Spi	4.3	3 (2.9)	2.5	without	25	80	37	330	78.0
4104	PUR D-Spi	4.3	3 (2.9)	5.0	without	25	80	74	660	156.0
41041	PUR D-Spi	4.3	3 (2.9)	7.5	without	25	80	111	990	234.0
4105	PUR D-Spi	4.3	3 (2.9)	10.0	without	25	80	148	1330	312.0
4106	PUR D-Spi	6	4 (3.9)	2.5	without	40	80	23	290	172.0
4107	PUR D-Spi	6	4 (3.9)	5.0	without	40	80	46	580	344.0
41071	PUR D-Spi	6	4 (3.9)	7.5	without	40	80	69	870	516.0
4108	PUR D-Spi	6	4 (3.9)	10.0	without	40	80	92	1180	688.0
4109	PUR D-Spi	8	6 (5.7)	2.5	without	50	80	17	310	242.0
4110	PUR D-Spi	8	6 (5.7)	5.0	without	50	80	34	620	484.0
41101	PUR D-Spi	8	6 (5.7)	7.5	without	50	80	51	930	726.0
4111	PUR D-Spi	8	6 (5.7)	10.0	without	50	80	68	1240	968.0

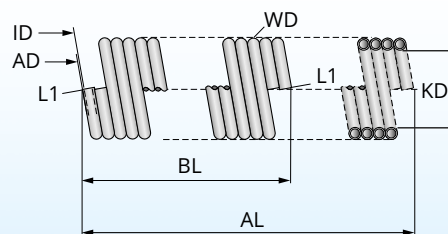


Polyester Polyurethane PUR-DUO axial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4140	PUR D-Spi	6	4 (3.9)	2.5	1/8" d	40	80	23	290	296.0
4141	PUR D-Spi	6	4 (3.9)	5.0	1/8" d	40	80	46	580	468.0
4142	PUR D-Spi	6	4 (3.9)	7.5	1/8" d	40	80	69	870	640.0
4143	PUR D-Spi	6	4 (3.9)	10.0	1/8" d	40	80	92	1180	812.0
4150	PUR D-Spi	8	6 (5.7)	2.5	1/4" d	50	80	17	310	414.0
4151	PUR D-Spi	8	6 (5.7)	5.0	1/4" d	50	80	34	620	656.0
4152	PUR D-Spi	8	6 (5.7)	7.5	1/4" d	50	80	51	930	898.0
4153	PUR D-Spi	8	6 (5.7)	10.0	1/4" d	50	80	68	1240	1140.0



Polyester Polyurethane PUR-DUO radial spirals



Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm
(Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = radial
- WD = x-time windings
- BL = block length in mm

- AG = connection thread s = fixed
- AG = connection thread d = rotatable

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Polyester Polyurethane PUR-DUO radial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4112	PUR D-Spi	10	8 (7.7)	2.5	without	80	radial	14	310	312.0
4113	PUR D-Spi	10	8 (7.7)	5.0	without	80	radial	28	620	624.0
41131	PUR D-Spi	10	8 (7.7)	7.5	without	80	radial	42	930	936.0
4114	PUR D-Spi	10	8 (7.7)	10.0	without	80	radial	56	1240	1248.0

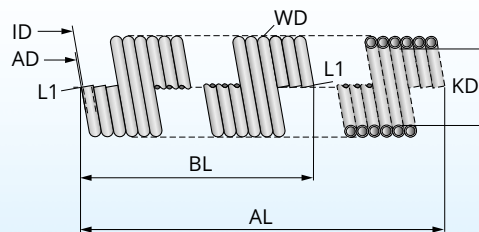


Polyester Polyurethane PUR-DUO radial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4160	PUR D-Spi	10	8 (7.7)	2.5	¼" d	80	radial	14	310	488.0
4161	PUR D-Spi	10	8 (7.7)	5.0	¼" d	80	radial	28	620	800.0
4162	PUR D-Spi	10	8 (7.7)	7.5	¼" d	80	radial	42	930	1112.0
4163	PUR D-Spi	10	8 (7.7)	10.0	¼" d	80	radial	56	1240	1424.0



Polyester Polyurethane PUR-TRIO radial spirals



Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm
(Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = radial
- WD = x-time windings
- BL = block length in mm

- AG = connection thread s = fixed
- AG = connection thread d = rotatable

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Polyester Polyurethane PUR-TRIO radial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4200	PUR T-Spi	6	4 (3.9)	2.5	without	40	radial	25	460	257.0
4201	PUR T-Spi	6	4 (3.9)	5.0	without	40	radial	50	920	514.0
4206	PUR T-Spi	8	6 (5.7)	2.5	without	50	radial	20	490	365.0
4207	PUR T-Spi	8	6 (5.7)	5.0	without	50	radial	40	980	730.0

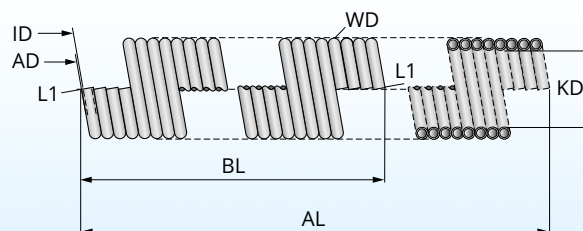


Polyester Polyurethane PUR-TRIO radial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4212	PUR T-Spi	6	4 (3.9)	2.5	1/8" d	40	radial	25	460	443.0
4213	PUR T-Spi	6	4 (3.9)	5.0	1/8" d	40	radial	50	920	700.0
4218	PUR T-Spi	8	6 (5.7)	2.5	1/4" d	50	radial	20	490	623.0
4219	PUR T-Spi	8	6 (5.7)	5.0	1/4" d	50	radial	40	980	988.0



Polyester-Polyurethane PUR-QUADRO radial spirals



Nominal dimensions

- AD = outer diameter in mm
- ID = inner diameter in mm
(Production dimension)
- AL = working length in m
- AG = without/with connection threads
- KD = core diameter in mm
- L1 = radial mm
- WD = x-time windings
- BL = block length in mm

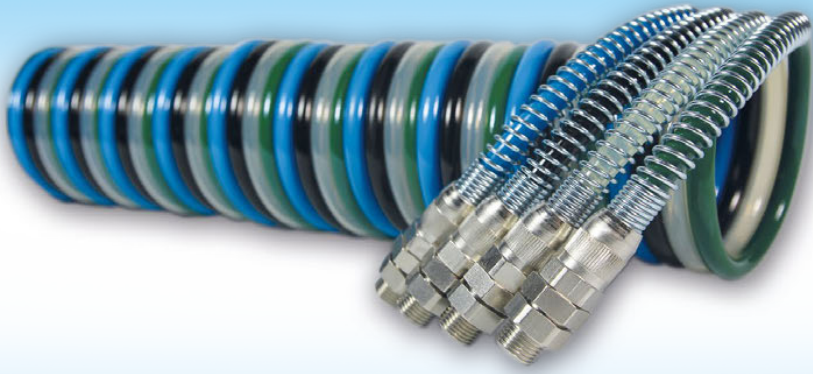
- AG = connection thread s = fixed
- AG = connection thread d = rotatable

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Polyester-Polyurethane PUR-QUADRO radial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4225	PUR Q-Spi	6	4 (3.9)	2.5	without	40	radial	25	630	343.0
4226	PUR Q-Spi	6	4 (3.9)	5.0	without	40	radial	50	1260	686.0
4230	PUR Q-Spi	8	6 (5.7)	2.5	without	50	radial	22	730	484.0
4231	PUR Q-Spi	8	6 (5.7)	5.0	without	50	radial	42	1390	968.0

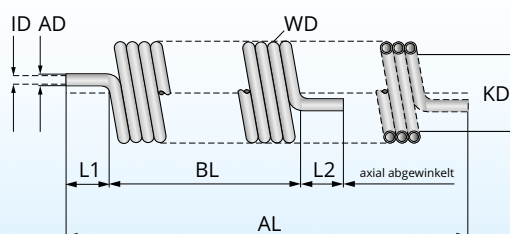


Polyester Polyurethane **PUR-QUADRO** radial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm							
4235	PUR Q-Spi	6	4 (3.9)	2.5	1/8" d	40	radial	25	630	591.0
4236	PUR Q-Spi	6	4 (3.9)	5.0	1/8" d	40	radial	50	1260	934.0
4240	PUR Q-Spi	8	6 (5.7)	2.5	1/4" d	50	radial	22	730	828.0
4241	PUR Q-Spi	8	6 (5.7)	5.0	1/4" d	50	radial	42	1390	1312.0



Polyether-Polyurethane PUR-L special axial spirals



Compressed air spirals are ideally suitable for the air feed to air consumers and offer the following advantages:

- Little deformation after long-term loads (good resilience)
- High tensile strength
- Very good low-temperature flexibility
- High abrasion resistance
- Resistance against aliphatic hydrocarbons and most lubricating oils
- Narrow core diameter
- No disruptive effect
- Space-saving
- Can be used in the food industry

Default colour

Blue

Nominal dimensions

AD = outer diameter in mm
 ID = inner diameter in mm
 (Production dimension)
 AL = working length in m
 AG = without/with connection threads
 KD = core diameter in mm
 L1 = axial mm
 WD = x-time windings
 BL = block length in mm
 AG = connection thread s = fixed
 AG = connection thread d = rotatable

Standard types

with axial outputs

Screw joints

Fixed and rotatable
 Design with an anti-kink spring
 see page C2 - C7

Polyether-Polyurethane PUR-L- special axial spirals ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	L2 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm								
4656	PUR-L	8	5	2	without	25	100	500	22	195	113.0
4657	PUR-L	8	5	4	without	25	100	500	44	385	226.0
4658	PUR-L	8	5	6	without	25	100	500	66	580	339.0
4659	PUR-L	8	5	8	without	25	100	500	88	775	459.0
4662	PUR-L	10	6.5	2	without	40	100	500	18	200	168.0
4663	PUR-L	10	6.5	4	without	40	100	500	36	400	336.0
4664	PUR-L	10	6.5	6	without	40	100	500	54	600	504.0
4665	PUR-L	10	6.5	8	without	40	100	500	72	800	679.0
4668	PUR-L	12	8	2	without	50	100	500	13	180	232.0
4669	PUR-L	12	8	4	without	50	100	500	26	350	464.0
4670	PUR-L	12	8	6	without	50	100	500	38	525	696.0
4671	PUR-L	12	8	8	without	50	100	500	52	700	940.0



Polyether-Polyurethane PUR-L- special axial spirals with screw joint ●

Product No.	Type	Nominal dimensions		AL m	AG	KD mm	L1 mm	L2 mm	WD X-times	BL mm	Weight g/piece
		AD mm	ID mm								
46561	PUR-L-Spi	8	5	2	¼" d	25	100	500	22	195	200.0
46571	PUR-L-Spi	8	5	4	¼" d	25	100	500	44	385	312.0
46581	PUR-L-Spi	8	5	6	¼" d	25	100	500	66	580	425.0
46591	PUR-L-Spi	8	5	8	¼" d	25	100	500	88	775	545.0
46621	PUR-L-Spi	10	6.5	2	¼" d	40	100	500	18	200	256.0
46631	PUR-L-Spi	10	6.5	4	¼" d	40	100	500	36	400	424.0
46641	PUR-L-Spi	10	6.5	6	¼" d	40	100	500	54	600	592.0
46651	PUR-L-Spi	10	6.5	8	¼" d	40	100	500	72	800	767.0
46681	PUR-L-Spi	12	8	2	⅜" d	50	100	500	13	180	370.0
46691	PUR-L-Spi	12	8	4	⅜" d	50	100	500	26	350	602.0
46701	PUR-L-Spi	12	8	6	⅜" d	50	100	500	38	525	834.0
46711	PUR-L-Spi	12	8	8	⅜" d	50	100	500	52	700	1078.0

Screw joints



**Union nut
with an anti-kink spring** ●

**Cylindrical, rotatable angular screw joints
with an anti-kink spring** ●

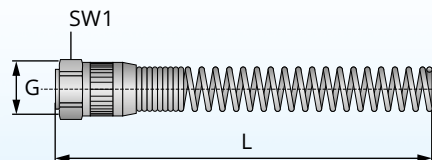
**Cylindrical, fixed screw joints
with an anti-kink spring** ●

**Cylindrical, rotatable screw joints
with an anti-kink spring** ●

**Fixed coupling plugs NW 5, NW 8
with an anti-kink spring** ●

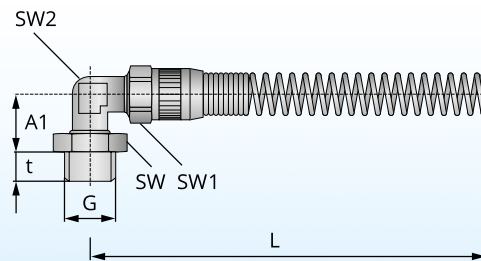
**Fixing coupling socket NW 5, NW 8
with an anti-kink spring** ●

Union nut with an anti-kink spring ●



Product No.	Type	Thread G	Nominal dimensions		Dimension		Weight g/piece	Material
			AD mm	ID mm	SW1	L		
17330	ÜM+KF	M10x1	6	4	12	96	16,0	Ms nickel- plated, galva- nised spring wire
17331	ÜM+KF	M12x1	8	6	14	97	19,0	
17332	ÜM+KF	M14x1	10	8	16	97	23,0	
17333	ÜM+KF	M16x1	12	9	19	97	28,0	
17334	ÜM+KF	M16x1	12	10	19	108	28,0	
17335	ÜM+KF	M20x1	15	12	24	120	57,0	

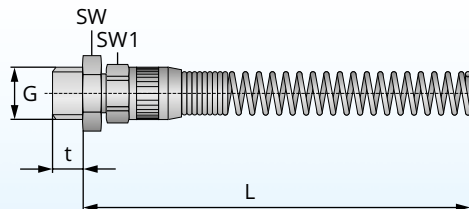
Cylindrical, rotatable angular screw joints with an anti-kink spring ●



Product No.	Type	Thread G	Nominal dimensions		Dimension		SW1	SW2	A1	L	Weight g/piece	Material
			AD mm	ID mm	SW	t						
17315	WV/d+KF	1/8"	6	4	13	6	12	10	16	106	35.0	Ms nickel-plated, galvanized spring wire
17316	WV/d+KF	1/8"	8	6	13	6	14	10	16	107	40.0	
17317	WV/d+KF	1/4"	6	4	17	8	12	10	16.5	107	41.0	
17318	WV/d+KF	1/4"	8	6	17	8	14	10	16.5	108	46.0	
17319	WV/d+KF	1/4"	10	8	17	8	16	10	16.5	108	50.0	

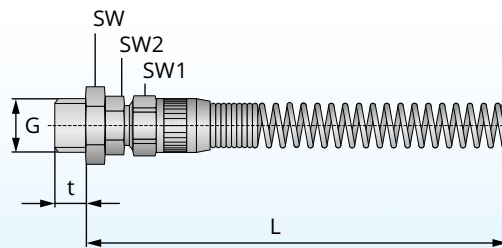
- Not suitable for rotating or oscillating movements

Cylindrical, fixed angular screw joints with an anti-kink spring ●



Product No.	Type	Thread G	Nominal dimensions		Dimension		SW1	L	Weight g/piece	Material
			AD mm	ID mm	SW	t				
17280	GV+KF	1/8"	6	4	13	6	12	102	25.0	Ms nickel- plated, galva- nised spring wire
17281	GV+KF	1/8"	8	6	13	6	14	103	30.0	
17282	GV+KF	1/8"	10	8	14	6	16	104	39.0	
17283	GV+KF	1/4"	6	4	17	8	12	103	32.0	
17284	GV+KF	1/4"	8	6	17	8	14	103	38.0	
17285	GV+KF	1/4"	10	8	17	8	16	104	48.0	
17286	GV+KF	1/4"	12	9	17	8	19	104	72.0	
17287	GV+KF	3/8"	6	4	19	9	12	103	41.0	
17288	GV+KF	3/8"	8	6	19	9	14	104	45.0	
17289	GV+KF	3/8"	10	8	19	9	16	104	51.0	
17290	GV+KF	3/8"	12	9	19	9	19	104	53.0	
17291	GV+KF	3/8"	12	10	19	9	19	104	54.0	
17292	GV+KF	1/2"	6	4	24	10	12	103	47.0	
17293	GV+KF	1/2"	8	6	24	10	14	104	52.0	
17294	GV+KF	1/2"	10	8	24	10	16	105	61.0	
17296	GV+KF	1/2"	12	10	24	10	19	105	66.0	
17297	GV+KF	1/2"	15	12.5	24	10	24	136	98.0	

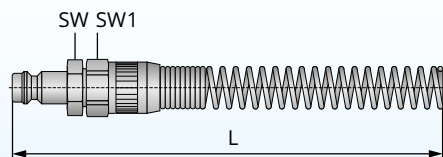
Cylindrical, rotatable screw joints with an anti-kink spring ●



Product No.	Type	Thread G	Nominal dimensions		Dimension		SW1	SW2	L	Weight g/piece	Material
			AD mm	ID mm	SW	t					
17300	GV/d+KF	1/8"	6	4	13	6	12	13	108	31.0	Ms nickel-plated, galvanised spring wire
17301	GV/d+KF	1/8"	8	6	13	6	14	13	109	36.0	
17302	GV/d+KF	1/4"	6	4	17	8	12	13	109	39.0	
17303	GV/d+KF	1/4"	8	6	17	8	14	13	109	43.0	
17304	GV/d+KF	1/4"	10	8	17	8	16	14	110	44.0	
17305	GV/d+KF	3/8"	12	10	19	9	19	17	110	67.0	
17306	GV/d+KF	3/8"	12	9	19	9	19	17	110	69.0	

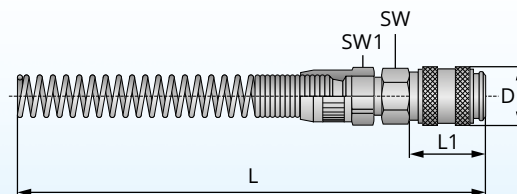
- Not suitable for rotating or oscillating movements

Fixed coupling plugs NW 5, NW 8 with an anti-kink spring ●



Product No.	Type	Nominal dimensions		NW mm	Dimension		L	Weight g/piece	Material
		AD	ID		SW	SW1			
17830	KS+KF	6	4	5.2	12	12	112	28.0	Ms nickel- plated, galva- nised spring wire
17831	KS+KF	8	6	5.2	14	14	116	33.0	
17832	KS+KF	8	6	8.3	14	14	120	36.0	
17833	KS+KF	10	8	8.3	14	16	125	48.0	

Fixed coupling socket NW 5, NW 8 with an anti-kink spring ●



Product No.	Type	Nominal dimensions		NW mm	Dimension				D	Weight g/piece	Material
		AD mm	ID mm		SW	SW1	L1	L			
17878	KD+KF	6	4	5.2	14	12	17	121	21	43.0	Ms nickel-plated, galva-nised spring wire
17879	KD+KF	8	6	5.2	14	14	17	125	21	47.0	
17880	KD+KF	8	6	8.3	22	14	25	135	35	68.0	
17881	KD+KF	10	8	8.3	22	16	25	140	35	84.0	

Clustering spirals

Polyethylene PE clustering spirals ●





Clustering spirals 6 x 4 to

12 x 9 are delivered in cluster lengths of 50 m.

Clustering spirals 15 x 12 to

19 x 16 are delivered in cluster lengths of 25 m.

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Polyethylene PE clustering spirals ●

Product No.	Type	Nominal dimensions		Colour	Clustering dimension mm	Clustering type mm	Weight g/m
		AD mm	ID mm				
6001	PE-CLU-Spi	6	4	Natural	5 - 20	5	14.5
6002	PE-CLU-Spi	6	4	Blue	5 - 20	5	14.5
6015	PE-CLU-Spi	6	4	Black	5 - 20	5	14.5
6003	PE-CLU-Spi	8	6	Natural	7 - 40	8	20.3
6004	PE-CLU-Spi	8	6	Blue	7 - 40	8	20.3
6016	PE-CLU-Spi	8	6	Black	7 - 40	8	20.3
6005	PE-CLU-Spi	12	9	Natural	11 - 60	11	45.6
6006	PE-CLU-Spi	12	9	Blue	11 - 60	11	45.6
6017	PE-CLU-Spi	12	9	Black	11 - 60	11	45.6
6022	PE-CLU-Spi	15	12	Natural	14 - 80	12	58.7
6023	PE-CLU-Spi	15	12	Blue	14 - 80	12	58.7
6024	PE-CLU-Spi	15	12	Black	14 - 80	12	58.7
6013	PE-CLU-Spi	19	16	Natural	18 - 100	13	76.0
6012	PE-CLU-Spi	19	16	Blue	18 - 100	13	76.0
6014	PE-CLU-Spi	19	16	Black	18 - 100	13	76.0

Plastic screw joints



Plastic screw joints made of POM ●

Straight screw joints made of POM ●

Straight screw joints with nuts made of POM ●

Ring pieces made of POM ●

Ring pieces with nuts made of POM ●

Ring pieces with nuts made of POM and
aluminium hollow screw ●

T-piece made of POM ●

T-piece with nut made of POM ●

T-piece with nut made of POM and
aluminium hollow screw ●

Aluminium hollow screw, short ●

3-x distributor pieces made of POM ●

3-x distributor pieces with nuts made of POM ●

Angular screw joints made of POM ●

Angular screw joints with nuts made of POM ●

Hose connectors made of POM ●

Hose connectors with nuts made of POM ●

Bulkhead gland with nut made of POM
and Ms-fastening nuts, nickel-plated ●

Fastening nuts for bulkhead glands ●

Hose supports made of POM ●

Hose clamping strips made of PE ●



Plastic screw joints made of POM ●

Temperature range
-10 °C to +60 °C

Operating pressure
0 - 10 bar

POM screw joints are lightweight and robust pneumatic screw joints that are characterised by the following features:

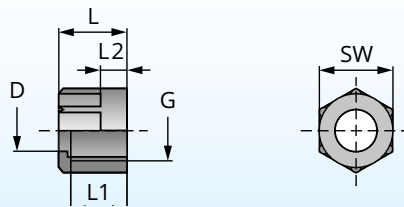
- High tenacity, hardness and stiffness
- Very good dimensional stability under heat
- Good chemical resistance
- No stress cracking
- Especially well-suited for DUO, TRIO and QUADRO hoses and tubes

Plastic screw joints made of POM

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5001	Union nut 6	M 10 X 1	6	4	Natural	1.0
5002	Union nut 6	M 10 X 1	6	4	Blue	1.0
5003	Union nut 6	M 10 X 1	6	4	Black	1.0
5004	Union nut 8	M 12 X 1	8	6	Natural	1.2
5005	Union nut 8	M 12 X 1	8	6	Blue	1.2
5006	Union nut 8	M 12 X 1	8	6	Black	1.2
50064	Union nut 10	M 14 X 1	10	8	Natural	1.8
50065	Union nut 10	M 14 X 1	10	8	Blue	1.8
50066	Union nut 10	M 14 X 1	10	8	Black	1.8
50061	Union nut 11.5	M 16 X 1	11.5	9	Natural	2.4
50062	Union nut 11.5	M 16 X 1	11.5	9	Blue	2.4
50063	Union nut 11.5	M 16 X 1	11.5	9	Black	2.4
50067	Union nut 12	M 16 X 1	12	9	Natural	2.4
50068	Union nut 12	M 16 X 1	12	9	Blue	2.4
50069	Union nut 12	M 16 X 1	12	9	Black	2.4



Dimension table of union nuts made of POM



Product No.	Type	Thread G	Nominal dimensions		Dimensions				
			AD mm	ID mm	SW	D	L	L1	L2
5001-3	Union nut 6	M 10 x 1	6	4	12	6.2	13	10.5	5
5004-6	Union nut 8	M 12 x 1	8	6	14	8.2	13	10.5	5
50064-66	Union nut 10	M 14 x 1	10	8	17	10.2	13	11.0	6
50061-63	Union nut 11.5	M 16 x 1	11.5	9	19	11.8	14	11.5	6
50067-69	Union nut 12	M 16 x 1	12	9	19	12.4	14	11.5	6

Dimensions

- SW = spanner width
- D = through hole
- L = length
- L1 = depth thread
- L2 = length of spanner width



Straight screw joints made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5007	GV	G $\frac{1}{8}$ "	6	4	Natural	2.0
5008	GV	G $\frac{1}{8}$ "	6	4	Blue	2.0
5009	GV	G $\frac{1}{8}$ "	6	4	Black	2.0
5010	GV	G $\frac{1}{8}$ "	8	6	Natural	2.4
5011	GV	G $\frac{1}{8}$ "	8	6	Blue	2.4
5012	GV	G $\frac{1}{8}$ "	8	6	Black	2.4
5013	GV	G $\frac{1}{4}$ "	6	4	Natural	3.5
5014	GV	G $\frac{1}{4}$ "	6	4	Blue	3.5
5015	GV	G $\frac{1}{4}$ "	6	4	Black	3.5
5016	GV	G $\frac{1}{4}$ "	8	6	Natural	3.8
5017	GV	G $\frac{1}{4}$ "	8	6	Blue	3.8
5018	GV	G $\frac{1}{4}$ "	8	6	Black	3.8
50161	GV	G $\frac{1}{4}$ "	10	8	Natural	4.6
50162	GV	G $\frac{1}{4}$ "	10	8	Blue	4.6
50163	GV	G $\frac{1}{4}$ "	10	8	Black	4.6
50181	GV	G $\frac{1}{4}$ "	11.5	9	Natural	5.8
50182	GV	G $\frac{1}{4}$ "	11.5	9	Blue	5.8
50183	GV	G $\frac{1}{4}$ "	11.5	9	Black	5.8

More information about
this product is given
on the following pages:

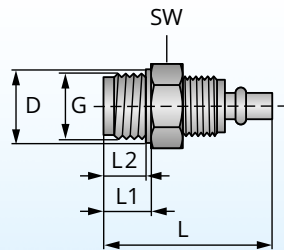
Page E 2 (plastic screw joints made of POM)

Straight screw joints made of POM

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
50190	GV	G $\frac{1}{4}$ "	12	9	Natural	5.8
50191	GV	G $\frac{1}{4}$ "	12	9	Blue	5.8
50192	GV	G $\frac{1}{4}$ "	12	9	Black	5.8
50187	GV	G $\frac{3}{8}$ "	8	6	Natural	4.9
50188	GV	G $\frac{3}{8}$ "	8	6	Blue	4.9
50189	GV	G $\frac{3}{8}$ "	8	6	Black	4.9
50193	GV	G $\frac{3}{8}$ "	10	8	Natural	4.9
50194	GV	G $\frac{3}{8}$ "	10	8	Blue	4.9
50195	GV	G $\frac{3}{8}$ "	10	8	Black	4.9
50184	GV	G $\frac{3}{8}$ "	11.5	9	Natural	5.9
50185	GV	G $\frac{3}{8}$ "	11.5	9	Blue	5.9
50186	GV	G $\frac{3}{8}$ "	11.5	9	Black	5.9
50196	GV	G $\frac{3}{8}$ "	12	9	Natural	5.9
50197	GV	G $\frac{3}{8}$ "	12	9	Blue	5.9
50198	GV	G $\frac{3}{8}$ "	12	9	Black	5.9



Straight screw joints made of POM



Product No.	Type	Thread G	Nominal dimensions			Dimensions				
			AD mm	ID mm	NW mm	SW	D	L	L1	L2
5007-9	GV	G $\frac{1}{8}$ "	6	4	3	13	11	28.0	7	6
5010-12	GV	G $\frac{1}{8}$ "	8	6	4.5	13	11	29.5	7	6
5013-15	GV	G $\frac{1}{4}$ "	6	4	3	17	14.5	31.0	9	8
5016-18	GV	G $\frac{1}{4}$ "	8	6	4.5	17	14.5	32.0	9	8
50161-63	GV	G $\frac{1}{4}$ "	10	8	6.5	19	18.2	34.0	9	8
50181-83	GV	G $\frac{1}{4}$ "	11.5	9	7	19	18.2	37.5	9	8
50190-92	GV	G $\frac{1}{4}$ "	12	9	7	19	18.2	37.5	9	8
50187-89	GV	G $\frac{3}{8}$ "	8	6	4.5	19	18.5	34.0	11	10
50193-95	GV	G $\frac{3}{8}$ "	10	8	6.5	19	18.5	35.5	11	10
50184-86	GV	G $\frac{3}{8}$ "	11.5	9	7	19	18.5	37.5	11	10
50196-98	GV	G $\frac{3}{8}$ "	12	9	7	19	18.5	37.5	11	10

Plastic screw joints



Straight screw joints with nuts made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5019	GVM	G $\frac{1}{8}$ "	6	4	Natural	3.0
5020	GVM	G $\frac{1}{8}$ "	6	4	Blue	3.0
5021	GVM	G $\frac{1}{8}$ "	6	4	Black	3.0
5022	GVM	G $\frac{1}{8}$ "	8	6	Natural	3.5
5023	GVM	G $\frac{1}{8}$ "	8	6	Blue	3.5
5024	GVM	G $\frac{1}{8}$ "	8	6	Black	3.5
5025	GVM	G $\frac{1}{4}$ "	6	4	Natural	4.5
5026	GVM	G $\frac{1}{4}$ "	6	4	Blue	4.5
5027	GVM	G $\frac{1}{4}$ "	6	4	Black	4.5
5028	GVM	G $\frac{1}{4}$ "	8	6	Natural	5.0
5029	GVM	G $\frac{1}{4}$ "	8	6	Blue	5.0
5030	GVM	G $\frac{1}{4}$ "	8	6	Black	5.0
50310	GVM	G $\frac{1}{4}$ "	10	8	Natural	6.4
50311	GVM	G $\frac{1}{4}$ "	10	8	Blue	6.4
50312	GVM	G $\frac{1}{4}$ "	10	8	Black	6.4
50301	GVM	G $\frac{1}{4}$ "	11.5	9	Natural	8.2
50302	GVM	G $\frac{1}{4}$ "	11.5	9	Blue	8.2
50303	GVM	G $\frac{1}{4}$ "	11.5	9	Black	8.2

Straight screw joints with nuts made of POM

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
50313	GVM	G $\frac{1}{4}$ "	12	9	Natural	8.2
50314	GVM	G $\frac{1}{4}$ "	12	9	Blue	8.2
50315	GVM	G $\frac{1}{4}$ "	12	9	Black	8.2
50307	GVM	G $\frac{3}{8}$ "	8	6	Natural	6.0
50308	GVM	G $\frac{3}{8}$ "	8	6	Blue	6.0
50309	GVM	G $\frac{3}{8}$ "	8	6	Black	6.0
50316	GVM	G $\frac{3}{8}$ "	10	8	Natural	6.7
50317	GVM	G $\frac{3}{8}$ "	10	8	Blue	6.7
50318	GVM	G $\frac{3}{8}$ "	10	8	Black	6.7
50304	GVM	G $\frac{3}{8}$ "	11.5	9	Natural	8.2
50305	GVM	G $\frac{3}{8}$ "	11.5	9	Blue	8.2
50306	GVM	G $\frac{3}{8}$ "	11.5	9	Black	8.2
50319	GVM	G $\frac{3}{8}$ "	12	9	Natural	8.2
50320	GVM	G $\frac{3}{8}$ "	12	9	Blue	8.2
50321	GVM	G $\frac{3}{8}$ "	12	9	Black	8.2

More information about
this product is given
on the following pages:

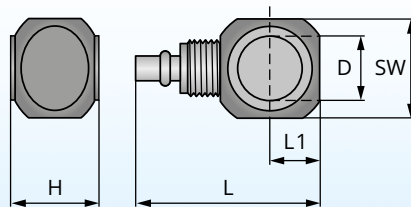
Page 2 (plastic screw joints made of POM)
Page E 6 (straight screw joints made of POM)



Ring pieces made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5031	RS	G1/8"	6	4	Natural	3.8
5032	RS	G1/8"	6	4	Blue	3.8
5033	RS	G1/8"	6	4	Black	3.8
5034	RS	G1/8"	8	6	Natural	4.3
5035	RS	G1/8"	8	6	Blue	4.3
5036	RS	G1/8"	8	6	Black	4.3
5037	RS	G1/4"	6	4	Natural	5.0
5038	RS	G1/4"	6	4	Blue	5.0
5039	RS	G1/4"	6	4	Black	5.0
5040	RS	G1/4"	8	6	Natural	5.4
5041	RS	G1/4"	8	6	Blue	5.4
5042	RS	G1/4"	8	6	Black	5.4

Ring pieces made of POM



Product No.	Type	Thread G	Nominal dimensions		NW mm	Dimensions				
			AD mm	ID mm		SW	D	L	L1	H
5031-33	RS	G1/8"	6	4	3	16	10	31	8	16.5
5034-36	RS	G1/8"	8	6	4.5	16	10	33	8	16.5
5037-39	RS	G1/4"	6	4	3	20	13	35	10	16.5
5040-42	RS	G1/4"	8	6	4.5	20	13	36.5	10	16.5

Dimensions

SW = spanner width

D = through hole

L = length

L1 = distance D

H = height



Ring pieces with nuts made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5043	RSM	G $\frac{1}{8}$ "	6	4	Natural	4.8
5044	RSM	G $\frac{1}{8}$ "	6	4	Blue	4.8
5045	RSM	G $\frac{1}{8}$ "	6	4	Black	4.8
5046	RSM	G $\frac{1}{8}$ "	8	6	Natural	5.5
5047	RSM	G $\frac{1}{8}$ "	8	6	Blue	5.5
5048	RSM	G $\frac{1}{8}$ "	8	6	Black	5.5
5049	RSM	G $\frac{1}{4}$ "	6	4	Natural	6.0
5050	RSM	G $\frac{1}{4}$ "	6	4	Blue	6.0
5051	RSM	G $\frac{1}{4}$ "	6	4	Black	6.0
5052	RSM	G $\frac{1}{4}$ "	8	6	Natural	6.6
5053	RSM	G $\frac{1}{4}$ "	8	6	Blue	6.6
5054	RSM	G $\frac{1}{4}$ "	8	6	Black	6.6

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)
Page E 12 (ring pieces made of POM)

Plastic screw joints



Ring pieces with nuts made of POM and aluminium hollow screw ●

Product No.	Type	Thread "G"	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5120	RSMH	G $\frac{1}{8}$ "	6	4	Natural	9.8
5121	RSMH	G $\frac{1}{8}$ "	6	4	Blue	9.8
5122	RSMH	G $\frac{1}{8}$ "	6	4	Black	9.8
5123	RSMH	G $\frac{1}{8}$ "	8	6	Natural	10.4
5124	RSMH	G $\frac{1}{8}$ "	8	6	Blue	10.4
5125	RSMH	G $\frac{1}{8}$ "	8	6	Black	10.4
5126	RSMH	G $\frac{1}{4}$ "	6	4	Natural	14.4
5127	RSMH	G $\frac{1}{4}$ "	6	4	Blue	14.4
5128	RSMH	G $\frac{1}{4}$ "	6	4	Black	14.4
5129	RSMH	G $\frac{1}{4}$ "	8	6	Natural	15.0
5130	RSMH	G $\frac{1}{4}$ "	8	6	Blue	15.0
5131	RSMH	G $\frac{1}{4}$ "	8	6	Black	15.0

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)
Page E 12 (ring pieces made of POM)
Page E 22 (aluminium hollow screws, short)



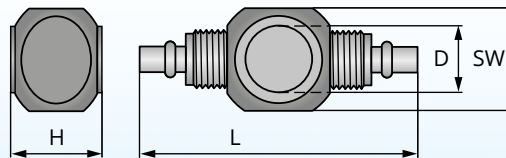
T-piece made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5055	TS	G $\frac{1}{8}$ "	6	4	Natural	4.6
5056	TS	G $\frac{1}{8}$ "	6	4	Blue	4.6
5057	TS	G $\frac{1}{8}$ "	6	4	Black	4.6
5058	TS	G $\frac{1}{8}$ "	8	6	Natural	5.6
5059	TS	G $\frac{1}{8}$ "	8	6	Blue	5.6
5060	TS	G $\frac{1}{8}$ "	8	6	Black	5.6
5061	TS	G $\frac{1}{4}$ "	6	4	Natural	5.9
5062	TS	G $\frac{1}{4}$ "	6	4	Blue	5.9
5063	TS	G $\frac{1}{4}$ "	6	4	Black	5.9
5064	TS	G $\frac{1}{4}$ "	8	6	Natural	6.6
5065	TS	G $\frac{1}{4}$ "	8	6	Blue	6.6
5066	TS	G $\frac{1}{4}$ "	8	6	Black	6.6



Plastic screw joints

T-piece made of POM



Product No.	Type	Thread G	Nominal dimensions			Dimensions			
			AD mm	ID mm	NW mm	SW	D	L	H
5055-57	TS	G $\frac{1}{8}$ "	6	4	3	16	10	47	16.5
5058-60	TS	G $\frac{1}{8}$ "	8	6	4.5	16	10	49	16.5
5061-63	TS	G $\frac{1}{4}$ "	6	4	3	20	13	51	16.5
5064-66	TS	G $\frac{1}{4}$ "	8	6	4.5	20	13	53	16.5

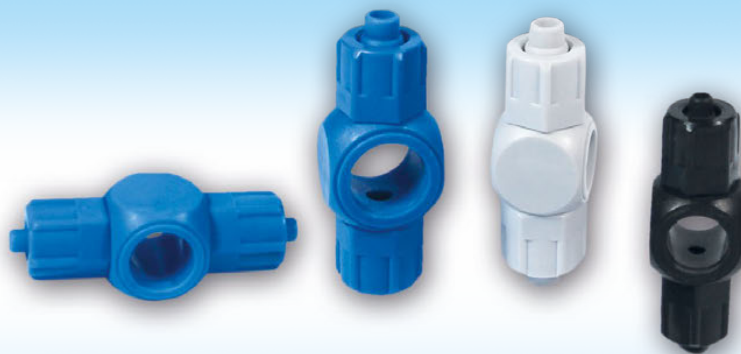
Dimensions

SW = spanner width

D = through hole

L = length

H = height



T-piece with nut made of POM ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5067	TSM	G $\frac{1}{8}$ "	6	4	Natural	6.5
5068	TSM	G $\frac{1}{8}$ "	6	4	Blue	6.5
5069	TSM	G $\frac{1}{8}$ "	6	4	Black	6.5
5070	TSM	G $\frac{1}{8}$ "	8	6	Natural	7.6
5071	TSM	G $\frac{1}{8}$ "	8	6	Blue	7.6
5072	TSM	G $\frac{1}{8}$ "	8	6	Black	7.6
5073	TSM	G $\frac{1}{4}$ "	6	4	Natural	7.8
5074	TSM	G $\frac{1}{4}$ "	6	4	Blue	7.8
5075	TSM	G $\frac{1}{4}$ "	6	4	Black	7.8
5076	TSM	G $\frac{1}{4}$ "	8	6	Natural	8.9
5077	TSM	G $\frac{1}{4}$ "	8	6	Blue	8.9
5078	TSM	G $\frac{1}{4}$ "	8	6	Black	8.9

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)
Page E 18 (T-piece made of POM)

Plastic screw joints



T-piece with nuts made of POM and aluminium hollow screw ●

Product No.	Type	Thread G	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5132	TSMH	G $\frac{1}{8}$ "	6	4	Natural	11.5
5133	TSMH	G $\frac{1}{8}$ "	6	4	Blue	11.5
5134	TSMH	G $\frac{1}{8}$ "	6	4	Black	11.5
5135	TSMH	G $\frac{1}{8}$ "	8	6	Natural	12.6
5136	TSMH	G $\frac{1}{8}$ "	8	6	Blue	12.6
5137	TSMH	G $\frac{1}{8}$ "	8	6	Black	12.6
5138	TSMH	G $\frac{1}{4}$ "	6	4	Natural	16.4
5139	TSMH	G $\frac{1}{4}$ "	6	4	Blue	16.4
5140	TSMH	G $\frac{1}{4}$ "	6	4	Black	16.4
5141	TSMH	G $\frac{1}{4}$ "	8	6	Natural	17.4
5142	TSMH	G $\frac{1}{4}$ "	8	6	Blue	17.4
5143	TSMH	G $\frac{1}{4}$ "	8	6	Black	17.4

More information about
this product is given
on the following pages:

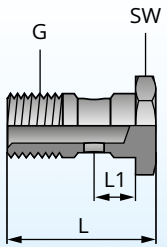
Page E 2 (plastic screw joints made of POM)
Page E 18 (T-piece made of POM)
Page E 22 (aluminium hollow screws, short)



Aluminium hollow screws, short ●

Product No.	Type	Thread G	Colour	Weight g/piece
5081	Alu-HS	G $\frac{1}{8}$ "	Anodised - natural	5.0
5082	Alu-HS	G $\frac{1}{8}$ "	Anodised - blue	5.0
5083	Alu-HS	G $\frac{1}{8}$ "	Anodised - black	5.0
5084	Alu-HS	G $\frac{1}{4}$ "	Anodised - natural	8.6
5085	Alu-HS	G $\frac{1}{4}$ "	Anodised - blue	8.6
5086	Alu-HS	G $\frac{1}{4}$ "	Anodised - black	8.6

Aluminium hollow screws, short



Product No.	Type	Thread	Dimensions		
		G	L	L1	SW
5081-83	Alu-HS	G $\frac{1}{8}$ "	27	8	14
5084-86	Alu-HS	G $\frac{1}{4}$ "	29	10	17

Dimensions

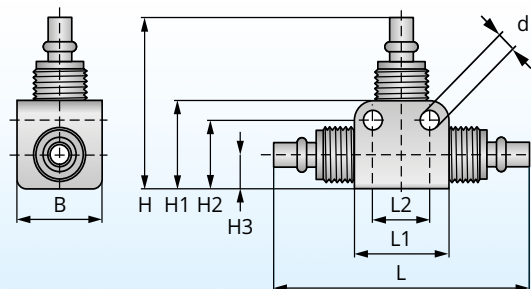
- L = length
- L1 = hexagon to flow-through hole
- SW = spanner width



3-x distributor pieces made of POM ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
5100	VS	6	4	Natural	7.4
5101	VS	6	4	Blue	7.4
5102	VS	6	4	Black	7.4
5103	VS	8	6	Natural	10.1
5104	VS	8	6	Blue	10.1
5105	VS	8	6	Black	10.1
51050	VS	11.5	9	Natural	19.7
51051	VS	11.5	9	Blue	19.7
51052	VS	11.5	9	Black	19.7
51053	VS	12	9	Natural	19.7
51054	VS	12	9	Blue	19.7
51055	VS	12	9	Black	19.7

3-x distributor pieces made of POM



Product No.	Type	Nominal dimensions			NW mm	Dimensions							
		AD mm	ID mm			L	L1	L2	B	d	H	H1	H2
5100-02	VS	6	4	3	52	20	12	15	4.3	32	16	12	6
5103-05	VS	8	6	4.5	52	20	12	18	4.3	34	18	14	8
51050-52	VS	11.5	9	6.8	63	25	15.5	22	4.3	40	21	16.5	8
51053-55	VS	12	9	6.8	63	25	15.5	22	4.3	40	21	16.5	8

Dimensions

- B = width
- L = total length
- L1 = length body
- H = total height
- H1 = height of threads
- H2 = distance of through hole
- H3 = height of through hole
- d = Diameter of mounting hole



3-x distributor pieces with nuts made of POM ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
5106	VSM	6	4	Natural	10.2
5107	VSM	6	4	Blue	10.2
5108	VSM	6	4	Black	10.2
5109	VSM	8	6	Natural	13.6
5110	VSM	8	6	Blue	13.6
5111	VSM	8	6	Black	13.6
51110	VSM	11.5	9	Natural	26.7
51111	VSM	11.5	9	Blue	26.7
51112	VSM	11.5	9	Black	26.7
51113	VSM	12	9	Natural	26.9
51114	VSM	12	9	Blue	26.9
51115	VSM	12	9	Black	26.9

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)
Page E 24 (3-x distributor pieces made of POM)

Plastic screw joints



Angular screw joints made of POM ●

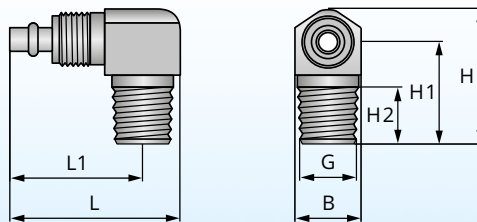
Product No.	Type	Thread R	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5201	WV	R $\frac{1}{8}$ "	6	4	Natural	3.3
5202	WV	R $\frac{1}{8}$ "	6	4	Blue	3.3
5203	WV	R $\frac{1}{8}$ "	6	4	Black	3.3
5204	WV	R $\frac{1}{8}$ "	8	6	Natural	4.3
5205	WV	R $\frac{1}{8}$ "	8	6	Blue	4.3
5206	WV	R $\frac{1}{8}$ "	8	6	Black	4.3
5207	WV	R $\frac{1}{4}$ "	6	4	Natural	5.4
5208	WV	R $\frac{1}{4}$ "	6	4	Blue	5.4
5209	WV	R $\frac{1}{4}$ "	6	4	Black	5.4
5210	WV	R $\frac{1}{4}$ "	8	6	Natural	6.3
5211	WV	R $\frac{1}{4}$ "	8	6	Blue	6.3
5212	WV	R $\frac{1}{4}$ "	8	6	Black	6.3
5213	WV	R $\frac{1}{4}$ "	11.5	9	Natural	9.7
5214	WV	R $\frac{1}{4}$ "	11.5	9	Blue	9.7
5215	WV	R $\frac{1}{4}$ "	11.5	9	Black	9.7
52151	WV	R $\frac{1}{4}$ "	12	9	Natural	9.7
52152	WV	R $\frac{1}{4}$ "	12	9	Blue	9.7
52153	WV	R $\frac{1}{4}$ "	12	9	Black	9.7

Angular screw joints made of POM

Product No.	Type	Thread R	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5216	WV	R $\frac{3}{8}$ "	11.5	9	Natural	11.1
5217	WV	R $\frac{3}{8}$ "	11.5	9	Blue	11.1
5218	WV	R $\frac{3}{8}$ "	11.5	9	Black	11.1
52181	WV	R $\frac{3}{8}$ "	12	9	Natural	11.1
52182	WV	R $\frac{3}{8}$ "	12	9	Blue	11.1
52183	WV	R $\frac{3}{8}$ "	12	9	Black	11.1



Angular screw joints made of POM



Product No.	Type	Thread R	Nominal dimensions		NW mm	Dimensions					
			AD mm	ID mm		B	L	L1	H	H1	H2
5201-03	WV	R $\frac{1}{8}$ "	6	4	3	11	29	23	22	16	8
5204-06	WV	R $\frac{1}{8}$ "	8	6	4.5	14	29	23	24	17	8
5207-09	WV	R $\frac{1}{4}$ "	6	4	3	14	32	24	25	19	11
5210-12	WV	R $\frac{1}{4}$ "	8	6	4.5	14	33	25	27	20	11
5213-15	WV	R $\frac{1}{4}$ "	11.5	9	6.8	17	36	28	33	23	13
52151-53	WV	R $\frac{1}{4}$ "	12	9	6.8	17	36	28	33	23	13
5216-18	WV	R $\frac{3}{8}$ "	11.5	9	6.8	17	36	28	33	23	13
52181-83	WV	R $\frac{3}{8}$ "	12	9	6.8	17	36	28	33	23	13

Dimensions

- B = width
- L = total length
- L1 = distance of through hole
- H = total height
- H1 = distance of through hole
- H2 = height of threads

Plastic screw joints



Angular screw joints with nuts made of POM ●

Product No.	Type	Thread R	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5220	WVM	R $\frac{1}{8}$ "	6	4	Natural	4.3
5221	WVM	R $\frac{1}{8}$ "	6	4	Blue	4.3
5222	WVM	R $\frac{1}{8}$ "	6	4	Black	4.3
5223	WVM	R $\frac{1}{8}$ "	8	6	Natural	5.5
5224	WVM	R $\frac{1}{8}$ "	8	6	Blue	5.5
5225	WVM	R $\frac{1}{8}$ "	8	6	Black	5.5
5226	WVM	R $\frac{1}{4}$ "	6	4	Natural	6.4
5227	WVM	R $\frac{1}{4}$ "	6	4	Blue	6.4
5228	WVM	R $\frac{1}{4}$ "	6	4	Black	6.4
5229	WVM	R $\frac{1}{4}$ "	8	6	Natural	7.4
5230	WVM	R $\frac{1}{4}$ "	8	6	Blue	7.4
5231	WVM	R $\frac{1}{4}$ "	8	6	Black	7.4
5232	WVM	R $\frac{1}{4}$ "	11.5	9	Natural	12.0
5233	WVM	R $\frac{1}{4}$ "	11.5	9	Blue	12.0
5234	WVM	R $\frac{1}{4}$ "	11.5	9	Black	12.0
5238	WVM	R $\frac{1}{4}$ "	12	9	Natural	12.0
5239	WVM	R $\frac{1}{4}$ "	12	9	Blue	12.0
5240	WVM	R $\frac{1}{4}$ "	12	9	Black	12.0

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)
Page E 28 (angular screw joints made of POM)

Angular screw joints with nuts made of POM

Product No.	Type	Thread R	Nominal dimensions		Colour	Weight g/piece
			AD mm	ID mm		
5235	WVM	R $\frac{3}{8}$ "	11.5	9	Natural	13.5
5236	WVM	R $\frac{3}{8}$ "	11.5	9	Blue	13.5
5237	WVM	R $\frac{3}{8}$ "	11.5	9	Black	13.5
5241	WVM	R $\frac{3}{8}$ "	12	9	Natural	13.5
5242	WVM	R $\frac{3}{8}$ "	12	9	Blue	13.5
5243	WVM	R $\frac{3}{8}$ "	12	9	Black	13.5



Hose connectors made of POM ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
53001	SV	6	4	Natural	2.8
53002	SV	6	4	Blue	2.8
53003	SV	6	4	Black	2.8
53004	SV	8	6	Natural	4.0
53005	SV	8	6	Blue	4.0
53006	SV	8	6	Black	4.0
53007	SV	11.5	9	Natural	8.4
53008	SV	11.5	9	Blue	8.4
53009	SV	11.5	9	Black	8.4
53010	SV	12	9	Natural	8.4
53011	SV	12	9	Blue	8.4
53012	SV	12	9	Black	8.4

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)



Plastic screw joints

Hose connectors with nuts made of POM ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
5300	SVM	6	4	Natural	4.7
5301	SVM	6	4	Blue	4.7
5302	SVM	6	4	Black	4.7
5303	SVM	8	6	Natural	6.4
5304	SVM	8	6	Blue	6.4
5305	SVM	8	6	Black	6.4
5306	SVM	11.5	9	Natural	13.1
5307	SVM	11.5	9	Blue	13.1
5308	SVM	11.5	9	Black	13.1
5318	SVM	12	9	Natural	13.0
5319	SVM	12	9	Blue	13.0
5320	SVM	12	9	Black	13.0

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)



Bulkhead glands with nuts made of POM and fastening nuts Ms, nickel-plated ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
5309	SVMB	6	4	Natural	7.6
5310	SVMB	6	4	Blue	7.6
5311	SVMB	6	4	Black	7.6
5312	SVMB	8	6	Natural	13.1
5313	SVMB	8	6	Blue	13.1
5314	SVMB	8	6	Black	13.1
5315	SVMB	11.5	9	Natural	21.6
5316	SVMB	11.5	9	Blue	21.6
5317	SVMB	11.5	9	Black	21.6
5321	SVMB	12	9	Natural	21.5
5322	SVMB	12	9	Blue	21.5
5323	SVMB	12	9	Black	21.5

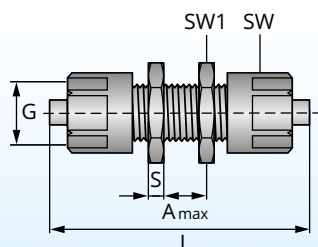
More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)

Plastic screw joints



Dimension table of bulkhead glands



Product No.	Type	Nominal dimensions		NW mm	Dimensions					
		AD mm	ID mm		L	G	A _{max}	SW	SW1	S
5309-11	SVMB	6	4	3	50	M 10x1	10	12	13	3
5312-14	SVMB	8	6	4.4	51	M 12x1	10	14	17	3
5315-17	SVMB	11.5	9	7.0	60	M 16x1	10	19	19	4
5321-23	SVMB	12	9	7.0	60	M 16x1	10	19	19	4

Dimensions

L = total length

G = thread

A_{max} = maximum bulkhead density

SW = spanner width of union nuts

SW1 = spanner width of lock nuts

S = thickness of lock nuts



Ms fastening nuts for bulkhead glands ●

Product No.	Type	Bulkhead gland for	Thread	Weight g/piece	S
17631	BM-SW 13	SVMB 6/4	M 10 x 1	1.4	3
17632	BM-SW 17	SVMB 8/6	M 12 x 1	3.4	3
17634	BM-SW 19	SVMB 11.5/9	M 16 x 1	4.3	4
17634	BM-SW 19	SVMB 12/9	M 16 x 1	4.3	4

Plastic screw joints



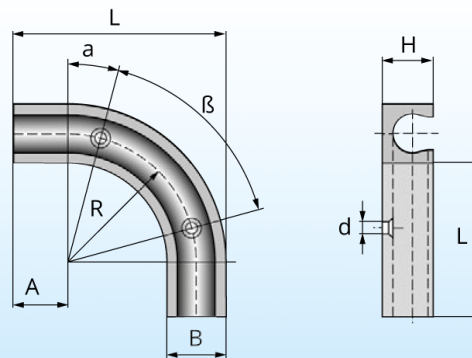
Hose supports made of POM ●

Product No.	Type	Nominal dimensions		Colour	Weight g/piece
		AD mm	ID mm		
5265	PKS	6	4	Natural	1.8
5266	PKS	6	4	Blue	1.8
5267	PKS	6	4	Black	1.8
5268	PKS	8	6	Natural	5.4
5269	PKS	8	6	Blue	5.4
5270	PKS	8	6	Black	5.4
5271	PKS	11.5	9	Natural	13.5
5272	PKS	11.5	9	Blue	13.5
5273	PKS	11.5	9	Black	13.5

More information about
this product is given
on the following pages:

Page E 2 (plastic screw joints made of POM)

Dimension table of hose supports made of POM



Product No.	Type	Nominal dimensions AD mm	Dimensions							
			L	B	H	A	d	R	a	β
5265-67	PKS	6	23	10	8	8	2	10	-	90 °
5268-70	PKS	8	38	13	10	10	3	21	15 °	60 °
5271-73	PKS	11.5	58	16.5	13.5	15	3	33.5	15 °	60 °

Dimensions

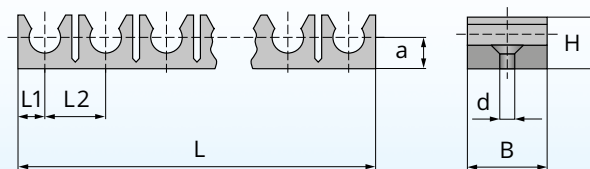
- L = length
- B = width
- H = height
- A = straight inlet
- d = through hole
- R = bending radius
- α = angle of fastening hole 1
- β = angle of fastening hole 2



Hose clamping strips made of PE ●

Product No.	Type	Hose AD	Colour	Weight g/piece
5250	KK4	4-5	Natural	7.1
5251	KK4	4-5	Blue	7.1
5252	KK4	4-5	Black	7.1
5253	KK6	6	Natural	6.3
5254	KK6	6	Blue	6.3
5255	KK6	6	Black	6.3
5256	KK8	8	Natural	13.2
5257	KK8	8	Blue	13.2
5258	KK8	8	Black	13.2
5259	KK10	10	Natural	15.7
5260	KK10	10	Blue	15.7
5261	KK10	10	Black	15.7
5262	KK11.5	11.5	Natural	15.9
5263	KK11.5	11.5	Blue	15.9
5264	KK11.5	11.5	Black	15.9

Dimension table of hose clamping strips made of PE



Product No.	Type	Hose AD	Clamp quantity	Dimensions						
				L	B	H	L1	L2	a	d
5250-52	KK4	4-5	10	100.4	14	9	5.2	10	6	2.4
5253-55	KK6	6	10	110	14	9	5.5	11	5.5	3
5256-58	KK8	8	10	140.4	15	12.5	6.4	14.2	7.5	2.8
5259-61	KK10	10	6	119.2	18	15	8.6	20.4	9	2.8
5262-64	KK11.5	11.5	6	118.5	18	16	8.6	20.4	10	2.8

Dimensions

- L = length
- B = width
- H = height
- L1 = distance from the first clamp
- L2 = distance between clamps
- a = height of clamps
- d = through holes

Temperature range

-10 °C to +60 °C

Stop valves and flow control valves

Hollow screw valves ●

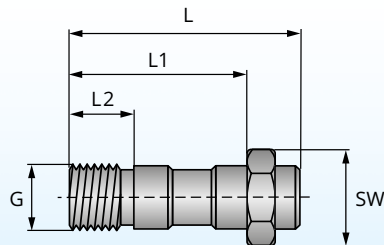
Hollow screw valves with a ring piece ●

Block valves ●





Throttle check valves DRVH-M5-G $\frac{1}{2}$ "



Throttle check valves in the hollow screw design can be combined with the ring piece connection to regulate the flow rates. The throttle check valve can be directly mounted on the cylinder of valves and can be set in 360°. The flow rate is regulated by the throttle spindle in the arrow direction.

In the opposite direction, the flow passes through the non-return valve and thus has the entire flow cross-section. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

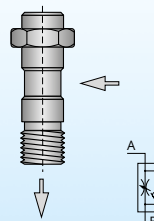
Nominal dimensions

L = total length
 L1 = installation length
 L2 = thread length
 SW = spanner width
 G = thread

Throttle check valves **DRVH-M5-G $\frac{1}{2}$ "** ●

Product No.	Type	Thread G
7031	DRVH/A	M5
7001	DRVH/A	G $\frac{1}{8}$ "
7002	DRVH/A	G $\frac{1}{4}$ "
7019	DRVH/A	G $\frac{3}{8}$ "
7060	DRVH/A	G $\frac{1}{2}$ "

DRVH/A
für Ventilmontage



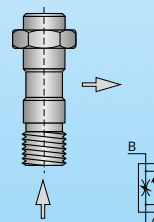
Zuluft drosselbar
in Pfeilrichtung

Weight
g/piece

5.0
16.0
31.0
52.0
112.0

7041	DRVH/B	M5
7003	DRVH/B	G $\frac{1}{8}$ "
7004	DRVH/B	G $\frac{1}{4}$ "
7020	DRVH/B	G $\frac{3}{8}$ "
7061	DRVH/B	G $\frac{1}{2}$ "

DRVH/B
für Zylindermontage

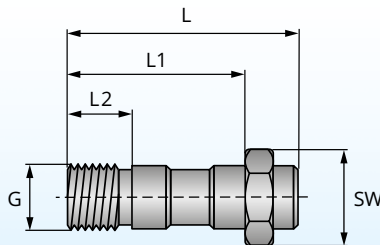


Abluft drosselbar
in Pfeilrichtung

5.0
16.0
31.0
52.0
112.0



Dimension table of throttle check valves DRVH-M5-G $\frac{1}{2}$ "



Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW-M	in	opposite	in	opposite
7031	DRVH/A	M5	27	16	6	8	-	1.0	1.0	60	60
7041	DRVH/B	M5	27	16	6	8	-	1.0	1.0	60	60
7001	DRVH/A	G $\frac{1}{8}$ "	34	25.5	9.5	14	-	2.5	3.0	250	350
7003	DRVH/B	G $\frac{1}{8}$ "	34	25.5	9.5	14	-	2.5	3.0	250	350
7002	DRVH/A	G $\frac{1}{4}$ "	38	28	12	17	-	4.3	4.5	400	450
7004	DRVH/B	G $\frac{1}{4}$ "	38	28	12	17	-	4.3	4.5	400	450
7019	DRVH/A	G $\frac{3}{8}$ "	44	30	14	19	-	5.5	6.0	500	600
7020	DRVH/B	G $\frac{3}{8}$ "	44	30	14	19	-	5.5	6.0	500	600
7060	DRVH/A	G $\frac{1}{2}$ "	62	48	19	24	-	6.0	7.0	650	750
7061	DRVH/B	G $\frac{1}{2}$ "	62	48	19	24	-	6.0	7.0	650	750

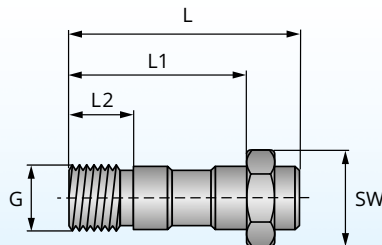
Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM

Stop valves and flow control valves



Throttle valves DVH-M5-G $\frac{1}{2}$ "



Throttle valves in the hollowscrew design can be combined with the ring piece connection to regulate the flow rates. The throttle valve can be directly mounted on the cylinder of valves and can be set in 360°. The flow rate is regulated by the throttle spindle in both directions. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmax 10 bar

Nominal pressure

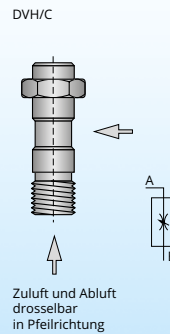
pn 6 bar

Nominal dimensions

L = total length
 L1 = installation length
 L2 = thread length
 SW = spanner width
 G = thread

Throttle valves DVH-M5-G $\frac{1}{2}$ " ●

Product No.	Type	Thread G
7052	DVH/C	M5
7005	DVH/C	G $\frac{1}{8}$ "
7006	DVH/C	G $\frac{1}{4}$ "
7021	DVH/C	G $\frac{3}{8}$ "
7062	DVH/C	G $\frac{1}{2}$ "



Weight
g/piece

5.0

15.0

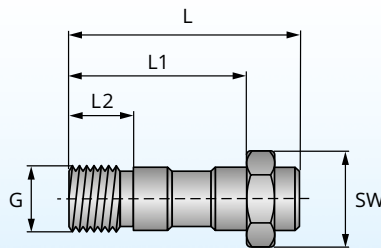
31.0

53.0

112.0



Dimension table of throttle valves DVH-M5-G $\frac{1}{2}$ "



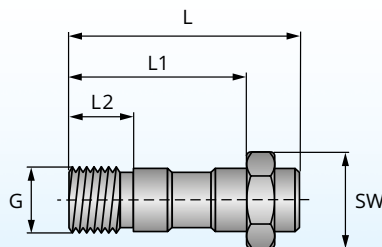
Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L max	L1	L2	SW	SW-M	in	opposite	in	opposite
7052	DVH/C	M5	27	16	6	8	-	1.0	1.0	60	60
7005	DVH/C	G $\frac{1}{8}$ "	34	25.5	9.5	14	-	2.5	2.5	250	250
7006	DVH/C	G $\frac{1}{4}$ "	38	28	12	17	-	4.3	4.3	400	400
7021	DVH/C	G $\frac{3}{8}$ "	44	30	14	19	-	5.5	5.5	500	500
7062	DVH/C	G $\frac{1}{2}$ "	62	48	19	24	-	6.0	6.0	650	650

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



Throttle check valves with lock nuts DRVH-K-M5-G $\frac{1}{4}$ "



Throttle check valves in the hollow screw design can be combined with the ring piece connection to regulate the flow rates. The throttle check valve can be directly mounted on the cylinder of valves and can be set in 360°.

The flow rate is regulated by the throttle spindle in the arrow direction. In the opposite direction, the flow passes through the non-return valve and thus has the entire flow cross-section. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

Nominal dimensions

L = total length
 L1 = installation length
 L2 = thread length
 SW = spanner width
 SW2 = spanner width of lock nuts
 G = thread

Throttle check valves with lock nuts **DRVH-K-M5-G $\frac{1}{4}$ "** ●

Product No.	Type	Thread G
7033	DRVH/A-K	M5
7007	DRVH/A-K	G $\frac{1}{8}$ "
7008	DRVH/A-K	G $\frac{1}{4}$ "

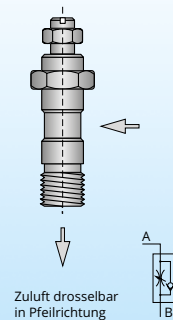
Weight
g/piece

5.0

19.0

33.0

DRVH/A-K
für Ventilmontage



Zuluft drosselbar
in Pfeilrichtung

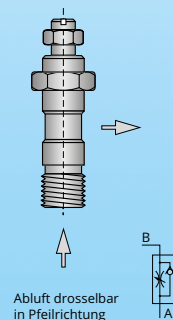
7043	DRVH/B-K	M5
7009	DRVH/B-K	G $\frac{1}{8}$ "
7010	DRVH/B-K	G $\frac{1}{4}$ "

5.0

19.0

33.0

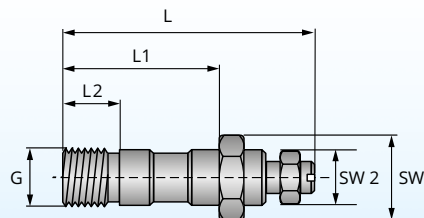
DRVH/B-K
für Zylindermontage



Abluft drosselbar
in Pfeilrichtung



Dimension table of throttle check valves with lock nuts DRVH-K-M5-G¼"



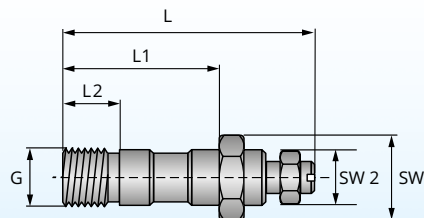
Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW 2	in	opposite	in	opposite
7033	DRVH/A-K	M5	32	16	6	8	5.5	1	1	60	60
7043	DRVH/B-K	M5	32	16	6	8	5.5	1	1	60	60
7007	DRVH/A-K	G½"	43	25.5	9.5	14	9	2.5	3	250	350
7009	DRVH/B-K	G½"	43	25.5	9.5	14	9	2.5	3	250	350
7008	DRVH/A-K	G¼"	45	28	12	17	9	4.3	4.5	400	450
7010	DRVH/B-K	G¼"	45	28	12	17	9	4.3	4.5	400	450

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



Throttle valves with lock nuts DVH-K-M5-G $\frac{1}{4}$ "



Throttle valves in the hollow screw design can be combined with the ring piece connection to regulate the flow rates. The throttle valve can be directly mounted on the cylinder of valves and can be set in 360°.

The flow rate is regulated by the throttle spindle in both directions. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

Nominal dimensions

- L = total length
- L1 = installation length
- L2 = thread length
- SW = spanner width
- SW2 = spanner width of lock nuts
- G = thread

If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0

Throttle valves with lock nuts DVH-K-M5-G $\frac{1}{4}$ " ●

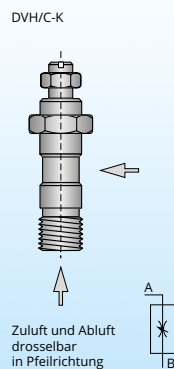
Product No.	Type	Thread G
7054	DVH/C-K	M5
7011	DVH/C-K	G $\frac{1}{8}$ "
7012	DVH/C-K	G $\frac{1}{4}$ "

Weight
g/piece

5.0

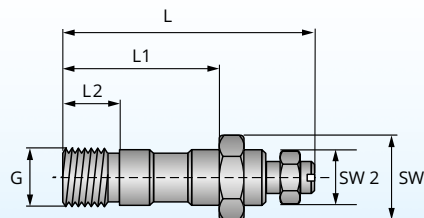
19.0

33.0





Dimension table of throttle valves with lock nuts DVH-K-M5-G $\frac{1}{4}$ "



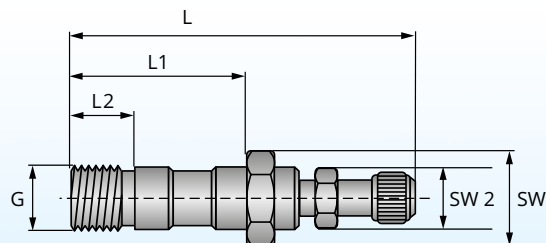
Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW 2	in	opposite	in	opposite
7054	DVH/C-K	M5	32	16	6	8	5.5	1	1	60	60
7011	DVH/C-K	G $\frac{1}{8}$ "	43	25	9.5	14	9	2.5	2.5	250	250
7012	DVH/C-K	G $\frac{1}{4}$ "	45	28	12	17	9	4.3	4.3	400	400

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



**Throttle check valves with
lock nuts and knurled cap DRVH-KR-M5-G $\frac{1}{4}$ "**



Throttle check valves in the hollow screw design can be combined with the ring piece connection to regulate the flow rates. The throttle check valve can be directly mounted on the cylinder of valves and can be set in 360°.

The flow rate is regulated by the throttle spindle in the arrow direction. In the opposite direction, the flow passes through the non-return valve and thus has the entire flow cross-section. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

Nominal dimensions

- L = total length
- L1 = installation length
- L2 = thread length
- SW = spanner width
- SW2 = spanner width of lock nuts
- G = thread



If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0

Throttle check valves with
lock nuts and knurled cap **DRVH-KR-M5-G $\frac{1}{4}$ "** ●

Product No.	Type	Thread G
7035	DRVH/A-KR	M5
7013	DRVH/A-KR	G $\frac{1}{8}$ "
7014	DRVH/A-KR	G $\frac{1}{4}$ "

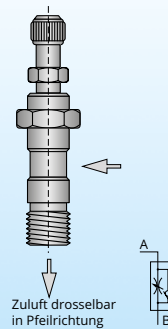
Weight
g/piece

6.0

22.0

36.0

DRVH/A-KR
für Ventilmontage



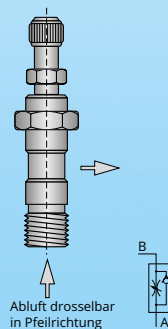
7045	DRVH/B-KR	M5
7015	DRVH/B-KR	G $\frac{1}{8}$ "
7016	DRVH/B-KR	G $\frac{1}{4}$ "

6.0

22.0

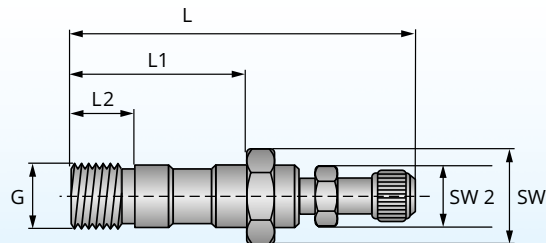
36.0

DRVH/B-KR
für Zylindermontage





Dimension table of throttle check valves with lock nuts and knurled cap DRVH-KR-M5-G $\frac{1}{4}$ "



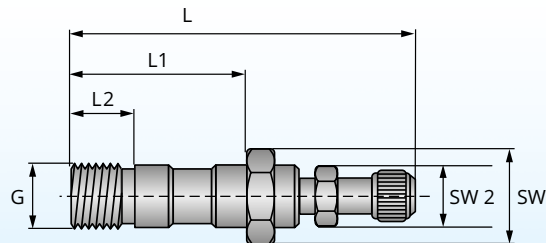
Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW 2	in	opposite	in	opposite
7035	DRVH/A-KR	M5	38	16	6	8	5.5	1	1	60	60
7045	DRVH/B-KR	M5	38	16	6	8	5.5	1	1	60	60
7013	DRVH/A-KR	G $\frac{1}{8}$ "	52	25.5	9.5	14	9	2.5	3	250	350
7015	DRVH/B-KR	G $\frac{1}{8}$ "	52	25.5	9.5	14	9	2.5	3	250	350
7014	DRVH/A-KR	G $\frac{1}{4}$ "	53	28	12	17	9	4.3	4.5	400	450
7016	DRVH/B-KR	G $\frac{1}{4}$ "	53	28	12	17	9	4.3	4.5	400	450

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



Throttle valves with lock nuts and knurled cap DRVH-KR-M5-G $\frac{1}{4}$ "



Throttle valves in the hollow screw design can be combined with the ring piece connection to regulate the flow rates. The throttle valve can be directly mounted on the cylinder of valves and can be set in 360°.

The flow rate is regulated by the throttle spindle in both directions. The throttle spindle is secured due to safety reasons.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

Nominal dimensions

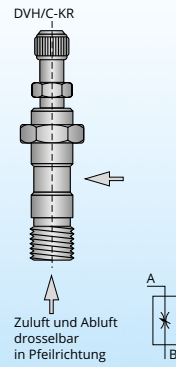
- L = total length
- L1 = installation length
- L2 = thread length
- SW = spanner width
- SW2 = spanner width of lock nuts
- G = thread



If you have any queries,
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Tel.: +49 (0) 7195-5890-0

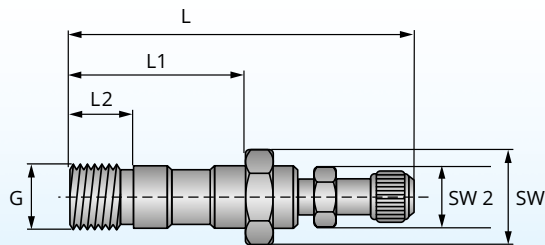
**Throttle valves with lock nuts
and knurled cap DRVH-KR-M5-G¼"** ●

Product No.	Type	Thread G	Weight g/piece
7056	DVH/C-KR	M5	6.0
7017	DVH/C-KR	G¼"	22.0
7018	DVH/C-KR	G¼"	36.0





**Dimension table of throttle valves with lock nuts
and knurled cap DRVH-KR-M5-G¼"**



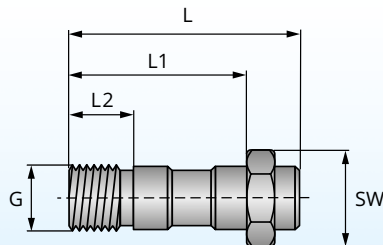
Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW 2	in	opposite	in	opposite
7056	DVH/C-KR	M5	38	16	6	8	5.5	1	1	60	60
7017	DVH/C-KR	G½"	52	25.5	9.5	14	9	2.5	2.5	250	250
7018	DVH/C-KR	G¼"	53	28	12	17	9	4.3	4.3	400	400

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



Non-return valve RV-G $\frac{1}{8}$ "-G $\frac{1}{4}$ "



Design (A) blocked by the air connection; air flows in the opposite direction without throttle. Design (B) is blocked by threads; air flows in the opposite direction without throttle.

Temperature range

- 20 °C to +80 °C

Pressure range

pmin 0.2 bar to pmax 10 bar

Nominal pressure

pn 6 bar

Nominal dimensions

L = total length
 L1 = installation length
 L2 = thread length
 SW = spanner width
 G = thread

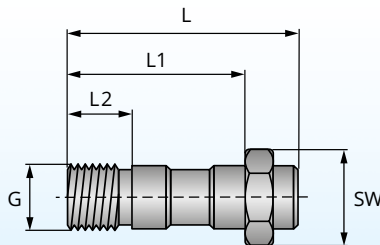
If you have any queries,
 please contact us:
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Non-return valves RV- G $\frac{1}{8}$ "-G $\frac{1}{4}$ " ●

Product No.	Type	Thread G	Weight g/piece
7100	RV/A	G $\frac{1}{8}$ "	17.0
7111	RV/A	G $\frac{1}{4}$ "	32.0
7101	RV/B	G $\frac{1}{8}$ "	17.0
7112	RV/B	G $\frac{1}{4}$ "	32.0



Dimensional table of **non-return valve RV-G $\frac{1}{8}$ "-G $\frac{1}{4}$ "**



Product No.	Type	Thread G	Dimensions					NW of throttle check valve		NND of throttle check valve	
			L	L1	L2	SW	SW 2	in	opposite	in	opposite
7100	RV/A	G $\frac{1}{8}$ "	32.5	25.5	9.5	14	-	-	3	-	350
7101	RV/B	G $\frac{1}{8}$ "	32.5	25.5	9.5	14	-	-	3	-	350
7111	RV/A	G $\frac{1}{4}$ "	35	28	12	17	-	-	4.5	-	450
7112	RV/B	G $\frac{1}{4}$ "	35	28	12	17	-	-	4.5	-	450

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM

Throttle check valves with a ring piece **DRVH-G $\frac{1}{8}$ "** ●

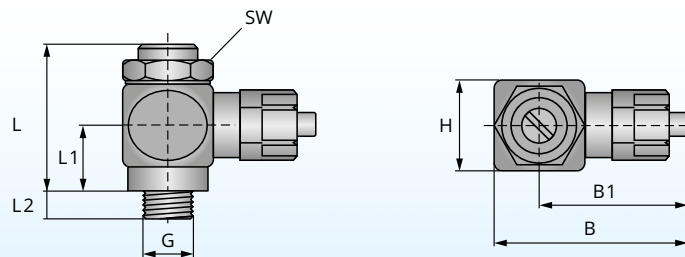
Throttle vales with a ring piece **DVH-G $\frac{1}{8}$ "**

Product No.	Type	Thread G	Hose connection	Colour	Weight g/piece
8001	DRVH/A	G $\frac{1}{8}$ "	6/4	Natural	22.0
8002	DRVH/A	G $\frac{1}{8}$ "	6/4	Black	22.0
8003	DRVH/A	G $\frac{1}{8}$ "	6/4	Blue	22.0
8004	DRVH/A	G $\frac{1}{8}$ "	8/6	Natural	22.0
8005	DRVH/A	G $\frac{1}{8}$ "	8/6	Black	22.0
8006	DRVH/A	G $\frac{1}{8}$ "	8/6	Blue	22.0
			6/4	Natural	22.0
			6/4	Black	22.0
			6/4	Blue	22.0
8007	DRVH/B	G $\frac{1}{8}$ "	6/4	Natural	22.0
8008	DRVH/B	G $\frac{1}{8}$ "	6/4	Black	22.0
8009	DRVH/B	G $\frac{1}{8}$ "	6/4	Blue	22.0
8010	DRVH/B	G $\frac{1}{8}$ "	8/6	Natural	22.0
8011	DRVH/B	G $\frac{1}{8}$ "	8/6	Black	22.0
8012	DRVH/B	G $\frac{1}{8}$ "	8/6	Blue	22.0
			6/4	Natural	22.0
			6/4	Black	22.0
			6/4	Blue	22.0
8013	DVH/C	G $\frac{1}{8}$ "	6/4	Natural	21.0
8014	DVH/C	G $\frac{1}{8}$ "	6/4	Black	21.0
8015	DVH/C	G $\frac{1}{8}$ "	6/4	Blue	21.0
8016	DVH/C	G $\frac{1}{8}$ "	8/6	Natural	21.0
8017	DVH/C	G $\frac{1}{8}$ "	8/6	Black	21.0
8018	DVH/C	G $\frac{1}{8}$ "	8/6	Blue	21.0
			6/4	Natural	21.0
			6/4	Black	21.0
			6/4	Blue	21.0

Stop valves and flow control valves



Throttle check valves with a ring piece DRVH-G $\frac{1}{8}$ " Throttle valves with a ring piece DVH-G $\frac{1}{8}$ "



Product No.	Type	Thread G	Hose connection	Dimensions						
				L	L1	L2	B	B1	H	SW
8001-3	DRVH/A	G $\frac{1}{8}$ "	6/4	29	12.5	5	31.5	23.5	16	14
8007-9	DRVH/B	G $\frac{1}{8}$ "	6/4	29	12.5	5	31.5	23.5	16	14
8004-6	DRVH/A	G $\frac{1}{8}$ "	8/6	29	12.5	5	33	25	16	14
8010-12	DRVH/B	G $\frac{1}{8}$ "	8/6	29	12.5	5	33	25	16	14
8013-15	DVH/C	G $\frac{1}{8}$ "	6/4	29	12.5	5	31.5	23.5	16	14
8016-18	DVH/C	G $\frac{1}{8}$ "	8/6	29	12.5	5	33	25	16	14

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece **DRVH-K-G $\frac{1}{8}$ "** ●

Throttle vales with a ring piece **DVH-G $\frac{1}{8}$ "**

Product No.	Type	Thread G
-------------	------	-------------

8037	DRVH/A-K	G $\frac{1}{8}$ "
8038	DRVH/A-K	G $\frac{1}{8}$ "
8039	DRVH/A-K	G $\frac{1}{8}$ "

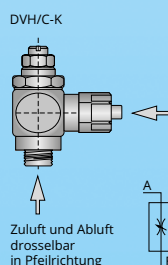
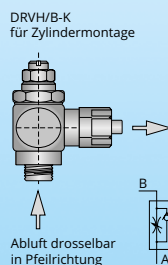
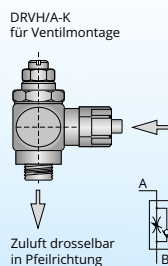
8040	DRVH/A-K	G $\frac{1}{8}$ "
8041	DRVH/A-K	G $\frac{1}{8}$ "
8042	DRVH/A-K	G $\frac{1}{8}$ "

8043	DRVH/B-K	G $\frac{1}{8}$ "
8044	DRVH/B-K	G $\frac{1}{8}$ "
8045	DRVH/B-K	G $\frac{1}{8}$ "

8046	DRVH/B-K	G $\frac{1}{8}$ "
8047	DRVH/B-K	G $\frac{1}{8}$ "
8048	DRVH/B-K	G $\frac{1}{8}$ "

8049	DVH/C-K	G $\frac{1}{8}$ "
8050	DVH/C-K	G $\frac{1}{8}$ "
8051	DVH/C-K	G $\frac{1}{8}$ "

8052	DVH/C-K	G $\frac{1}{8}$ "
8053	DVH/C-K	G $\frac{1}{8}$ "
8054	DVH/C-K	G $\frac{1}{8}$ "



Hose connection	Colour	Weight g/piece
--------------------	--------	-------------------

6/4	Natural	25.0
6/4	Black	25.0
6/4	Blue	25.0

8/6	Natural	25.0
8/6	Black	25.0
8/6	Blue	25.0

6/4	Natural	25.0
6/4	Black	25.0
6/4	Blue	25.0

8/6	Natural	25.0
8/6	Black	25.0
8/6	Blue	25.0

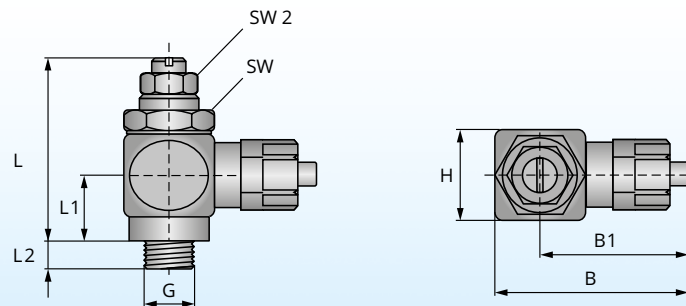
6/4	Natural	24.0
6/4	Black	24.0
6/4	Blue	24.0

8/6	Natural	24.0
8/6	Black	24.0
8/6	Blue	24.0

Stop valves and flow control valves



Throttle check valves with a ring piece DRVH-K- G $\frac{1}{8}$ " Throttle valves with a ring piece DRVH-KG $\frac{1}{8}$ "



Product No.	Type	Thread G	Hose connection	Dimensions			B	B1	H	SW	SW 2
				L	L1	L2					
8037-39	DRVH/A-K	G $\frac{1}{8}$ "	6/4	39	12.5	5	31.5	23.5	16	14	9
8043-45	DRVH/B-K	G $\frac{1}{8}$ "	6/4	39	12.5	5	31.5	23.5	16	14	9
8040-42	DRVH/A-K	G $\frac{1}{8}$ "	8/6	39	12.5	5	33	25	16	14	9
8046-48	DRVH/B-K	G $\frac{1}{8}$ "	8/6	39	12.5	5	33	25	16	14	9
8049-51	DVH/C-K	G $\frac{1}{8}$ "	6/4	39	12.5	5	31.5	23.5	16	14	9
8052-54	DVH/C-K	G $\frac{1}{8}$ "	8/6	39	12.5	5	33	25	16	14	9

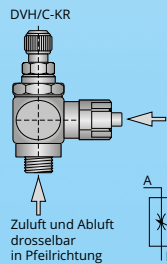
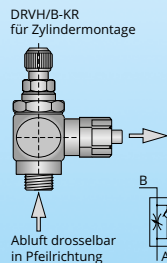
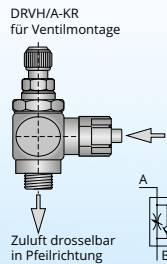
Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece **DRVH-KR-G $\frac{1}{8}$ "** ●

Throttle vales with a ring piece **DRVH-KR-G $\frac{1}{8}$ "**

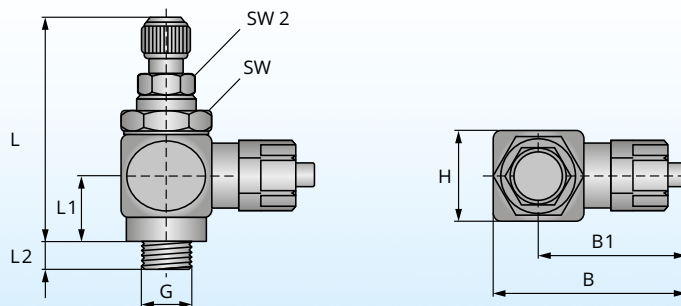
Product No.	Type	Thread G	Hose connection	Colour	Weight g/piece
8055	DRVH/A-KR	G $\frac{1}{8}$ "	6/4	Natural	28.0
8056	DRVH/A-KR	G $\frac{1}{8}$ "	6/4	Black	28.0
8057	DRVH/A-KR	G $\frac{1}{8}$ "	6/4	Blue	28.0
8058	DRVH/A-KR	G $\frac{1}{8}$ "	8/6	Natural	28.0
8059	DRVH/A-KR	G $\frac{1}{8}$ "	8/6	Black	28.0
8060	DRVH/A-KR	G $\frac{1}{8}$ "	8/6	Blue	28.0
8061	DRVH/B-KR	G $\frac{1}{8}$ "	6/4	Natural	28.0
8062	DRVH/B-KR	G $\frac{1}{8}$ "	6/4	Black	28.0
8063	DRVH/B-KR	G $\frac{1}{8}$ "	6/4	Blue	28.0
8064	DRVH/B-KR	G $\frac{1}{8}$ "	8/6	Natural	28.0
8065	DRVH/B-KR	G $\frac{1}{8}$ "	8/6	Black	28.0
8066	DRVH/B-KR	G $\frac{1}{8}$ "	8/6	Blue	28.0
8067	DVH/C-KR	G $\frac{1}{8}$ "	6/4	Natural	27.0
8068	DVH/C-KR	G $\frac{1}{8}$ "	6/4	Black	27.0
8069	DVH/C-KR	G $\frac{1}{8}$ "	6/4	Blue	27.0
8070	DVH/C-KR	G $\frac{1}{8}$ "	8/6	Natural	27.0
8071	DVH/C-KR	G $\frac{1}{8}$ "	8/6	Black	27.0
8072	DVH/C-KR	G $\frac{1}{8}$ "	8/6	Blue	27.0



Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-KR-G $\frac{1}{8}$ "**
Throttle vales with a ring piece DRVH-KR-G $\frac{1}{8}$ "



Product No.	Type	Thread G	Hose connection	Dimensions							SW	SW 2
				L	L1	L2	B	B1	H			
8055-57	DRVH/A-KR	G $\frac{1}{8}$ "	6/4	47	12.5	5	31.5	23.5	16	14	9	
8061-63	DRVH/B-KR	G $\frac{1}{8}$ "	6/4	47	12.5	5	31.5	23.5	16	14	9	
8058-60	DRVH/A-KR	G $\frac{1}{8}$ "	8/6	47	12.5	5	33	25	16	14	9	
8064-66	DRVH/B-KR	G $\frac{1}{8}$ "	8/6	47	12.5	5	33	25	16	14	9	
8067-69	DVH/C-KR	G $\frac{1}{8}$ "	6/4	47	12.5	5	31.5	23.5	16	14	9	
8070-72	DVH/C-KR	G $\frac{1}{8}$ "	8/6	47	12.5	5	33	25	16	14	9	

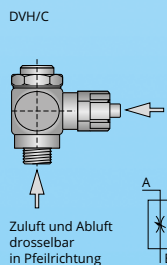
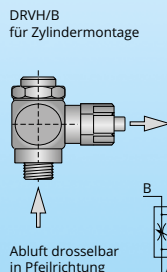
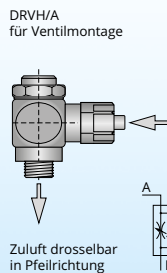
Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece **DRVH-G $\frac{1}{4}$ "** ●

Throttle vales with a ring piece **DVH-G $\frac{1}{4}$ "**

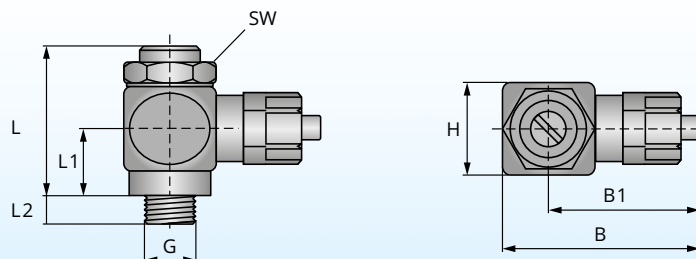
Product No.	Type	Thread G	Hose connection	Colour	Weight g/piece
8219	DRVH/A	G $\frac{1}{4}$ "	6/4	Natural	39.0
8220	DRVH/A	G $\frac{1}{4}$ "	6/4	Black	39.0
8221	DRVH/A	G $\frac{1}{4}$ "	6/4	Blue	39.0
8222	DRVH/A	G $\frac{1}{4}$ "	8/6	Natural	39.0
8223	DRVH/A	G $\frac{1}{4}$ "	8/6	Black	39.0
8224	DRVH/A	G $\frac{1}{4}$ "	8/6	Blue	39.0
8225	DRVH/B	G $\frac{1}{4}$ "	6/4	Natural	39.0
8226	DRVH/B	G $\frac{1}{4}$ "	6/4	Black	39.0
8227	DRVH/B	G $\frac{1}{4}$ "	6/4	Blue	39.0
8228	DRVH/B	G $\frac{1}{4}$ "	8/6	Natural	39.0
8229	DRVH/B	G $\frac{1}{4}$ "	8/6	Black	39.0
8230	DRVH/B	G $\frac{1}{4}$ "	8/6	Blue	39.0
8231	DVH/C	G $\frac{1}{4}$ "	6/4	Natural	38.0
8232	DVH/C	G $\frac{1}{4}$ "	6/4	Black	38.0
8233	DVH/C	G $\frac{1}{4}$ "	6/4	Blue	38.0
8234	DVH/C	G $\frac{1}{4}$ "	8/6	Natural	38.0
8235	DVH/C	G $\frac{1}{4}$ "	8/6	Black	38.0
8236	DVH/C	G $\frac{1}{4}$ "	8/6	Blue	38.0



Stop valves and flow control valves



**Dimension table of throttle check valves with a ring piece
DRVH-G $\frac{1}{4}$ " Throttle valves with a ring piece DVH-G $\frac{1}{4}$ "**



Product No.	Type	Thread G	Hose connection	Dimensions						
				L	L1	L2	B	B1	H	SW
8219-21	DRVH/A	G $\frac{1}{4}$ "	6/4	32	14	6	35.5	27	20	17
8225-27	DRVH/B	G $\frac{1}{4}$ "	6/4	32	14	6	35.5	27	20	17
8222-24	DRVH/A	G $\frac{1}{4}$ "	8/6	32	14	6	36.5	28	20	17
8228-30	DRVH/B	G $\frac{1}{4}$ "	8/6	32	14	6	36.5	28	20	17
8231-33	DVH/C	G $\frac{1}{4}$ "	6/4	32	14	6	35.5	28	20	17
8234-36	DVH/C	G $\frac{1}{4}$ "	8/6	32	14	6	36.5	28	20	17

Material specifications:

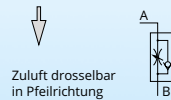
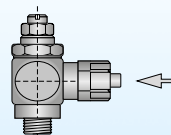
Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece DRVH-K-G $\frac{1}{4}$ " ●

Throttle vales with a ring piece DRVH-K-G $\frac{1}{4}$ "

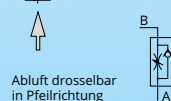
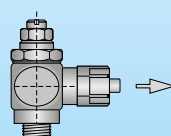
Product No.	Type	Thread G	Hose connection	Colour	Weight g/piece
8255	DRVH/A-K	G $\frac{1}{4}$ "	6/4	Natural	40.0
8256	DRVH/A-K	G $\frac{1}{4}$ "	6/4	Black	40.0
8257	DRVH/A-K	G $\frac{1}{4}$ "	6/4	Blue	40.0
8258	DRVH/A-K	G $\frac{1}{4}$ "	8/6	Natural	40.0
8259	DRVH/A-K	G $\frac{1}{4}$ "	8/6	Black	40.0
8260	DRVH/A-K	G $\frac{1}{4}$ "	8/6	Blue	40.0
8261	DRVH/B-K	G $\frac{1}{4}$ "	6/4	Natural	40.0
8262	DRVH/B-K	G $\frac{1}{4}$ "	6/4	Black	40.0
8263	DRVH/B-K	G $\frac{1}{4}$ "	6/4	Blue	40.0
8264	DRVH/B-K	G $\frac{1}{4}$ "	8/6	Natural	40.0
8265	DRVH/B-K	G $\frac{1}{4}$ "	8/6	Black	40.0
8266	DRVH/B-K	G $\frac{1}{4}$ "	8/6	Blue	40.0
8267	DVH/C-K	G $\frac{1}{4}$ "	6/4	Natural	39.0
8268	DVH/C-K	G $\frac{1}{4}$ "	6/4	Black	39.0
8269	DVH/C-K	G $\frac{1}{4}$ "	6/4	Blue	39.0
8270	DVH/C-K	G $\frac{1}{4}$ "	8/6	Natural	39.0
8271	DVH/C-K	G $\frac{1}{4}$ "	8/6	Black	39.0
8272	DVH/C-K	G $\frac{1}{4}$ "	8/6	Blue	39.0

DRVH/A-K
für Ventilmontage



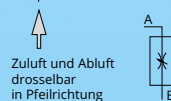
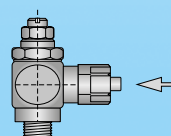
Zuluft drosselbar
in Pfeilrichtung

DRVH/B-K
für Zylindermontage



Abluft drosselbar
in Pfeilrichtung

DVH/C-K

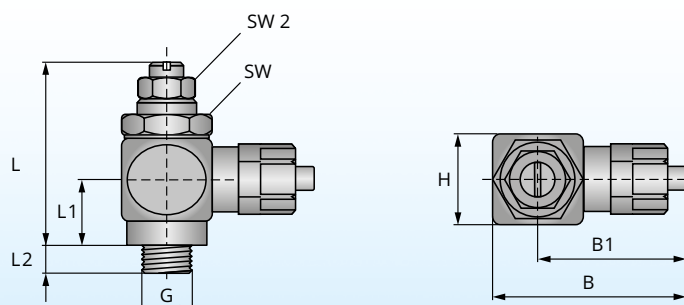


Zuluft und Abluft
drosselbar
in Pfeilrichtung

Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-K-
G $\frac{1}{4}$ " Throttle vales with a ring piece DRVH-K-G $\frac{1}{4}$ "**



Product No.	Type	Thread G	Hose connection	Dimensions							
				L	L1	L2	B	B1	H	SW	SW 2
8255-57	DRVH/A-K	G $\frac{1}{4}$ "	6/4	39	14	6	35.5	27	20	17	9
8261-63	DRVH/B-K	G $\frac{1}{4}$ "	6/4	39	14	6	35.5	27	20	17	9
8258-60	DRVH/A-K	G $\frac{1}{4}$ "	8/6	39	14	6	36.5	28	20	17	9
8264-66	DRVH/B-K	G $\frac{1}{4}$ "	8/6	39	14	6	36.5	28	20	17	9
8267-69	DVH/C-K	G $\frac{1}{4}$ "	6/4	39	14	6	35.5	27	20	17	9
8270-72	DVH/C-K	G $\frac{1}{4}$ "	8/6	39	14	6	36.5	28	20	17	9

Material specifications:

Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece **DRVH-KR-G $\frac{1}{4}$ "** ●

Throttle vales with a ring piece **DVH-KR-G $\frac{1}{4}$ "**

Product No.	Type	Thread G
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8275	DRVH/A-KR	G $\frac{1}{4}$ "
8276	DRVH/A-KR	G $\frac{1}{4}$ "
8277	DRVH/A-KR	G $\frac{1}{4}$ "

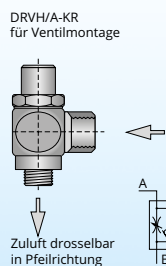
8278	DRVH/A-KR	G $\frac{1}{4}$ "
8279	DRVH/A-KR	G $\frac{1}{4}$ "
8280	DRVH/A-KR	G $\frac{1}{4}$ "

8281	DRVH/B-KR	G $\frac{1}{4}$ "
8282	DRVH/B-KR	G $\frac{1}{4}$ "
8283	DRVH/B-KR	G $\frac{1}{4}$ "

8284	DRVH/B-KR	G $\frac{1}{4}$ "
8285	DRVH/B-KR	G $\frac{1}{4}$ "
8286	DRVH/B-KR	G $\frac{1}{4}$ "

8287	DVH/C-KR	G $\frac{1}{4}$ "
8288	DVH/C-KR	G $\frac{1}{4}$ "
8289	DVH/C-KR	G $\frac{1}{4}$ "

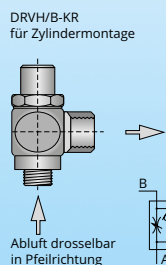
8390	DVH/C-KR	G $\frac{1}{4}$ "
8291	DVH/C-KR	G $\frac{1}{4}$ "
8292	DVH/C-KR	G $\frac{1}{4}$ "



Hose connection	Colour	Weight g/piece
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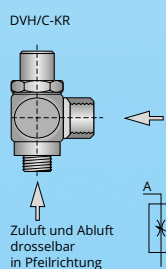
6/4	Natural	44.0
6/4	Black	44.0
6/4	Blue	44.0

8/6	Natural	44.0
8/6	Black	44.0
8/6	Blue	44.0



6/4	Natural	44.0
6/4	Black	44.0
6/4	Blue	44.0

8/6	Natural	44.0
8/6	Black	44.0
8/6	Blue	44.0



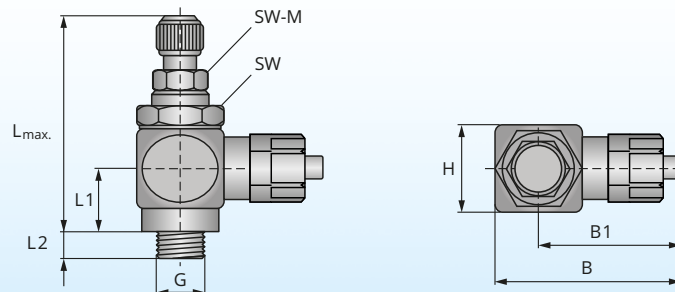
6/4	Natural	43.0
6/4	Black	43.0
6/4	Blue	43.0

8/6	Natural	43.0
8/6	Black	43.0
8/6	Blue	43.0

Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-KR-
G $\frac{1}{4}$ " Throttle vales with a ring piece DVH-KR-G $\frac{1}{4}$ "**



Product No.	Type	Thread G	Hose connection	Dimensions							
				L	L1	L2	B	B1	H	SW	SW2
8275-77	DRVH/A-KR	G $\frac{1}{4}$ "	6/4	47	14	6	35.5	27	20	17	9
8281-83	DRVH/B-KR	G $\frac{1}{4}$ "	6/4	47	14	6	35.5	27	20	17	9
8278-80	DRVH/A-KR	G $\frac{1}{4}$ "	8/6	47	14	6	36.5	28	20	17	9
8284-86	DRVH/B-KR	G $\frac{1}{4}$ "	8/6	47	14	6	36.5	28	20	17	9
8287-89	DVH/C-KR	G $\frac{1}{4}$ "	6/4	47	14	6	35.5	27	20	17	9
8290-92	DVH/C-KR	G $\frac{1}{4}$ "	8/6	47	14	6	36.5	28	20	17	9

Material specifications:

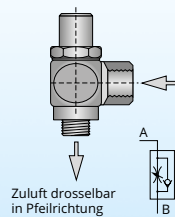
Housing and spindle made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring and ring piece made of POM

Throttle check valves with a ring piece DRVH-M5-G $\frac{1}{2}$ " ●

Throttle valves with a ring piece DVH-M5-G $\frac{1}{2}$ "

Product No.	Type	Thread G
8118	DRVH/A	M5
8121	DRVH/A	G $\frac{1}{8}$ "
8124	DRVH/A	G $\frac{1}{4}$ "
8127	DRVH/A	G $\frac{3}{8}$ "
8130	DRVH/A	G $\frac{1}{2}$ "

DRVH/A
für Ventilmontage

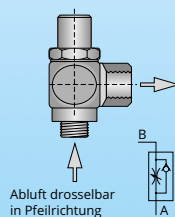


Connection thread	Weight g/piece
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I-M5	10.0
I- $\frac{1}{8}$ "	32.0
I- $\frac{1}{4}$ "	57.0
I- $\frac{3}{8}$ "	89.0
I- $\frac{1}{2}$ "	182.0

8119	DRVH/B	M5
8122	DRVH/B	G $\frac{1}{8}$ "
8125	DRVH/B	G $\frac{1}{4}$ "
8128	DRVH/B	G $\frac{3}{8}$ "
8131	DRVH/B	G $\frac{1}{2}$ "

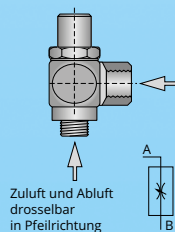
DRVH/B
für Zylindermontage



I-M5	10.0
I- $\frac{1}{8}$ "	32.0
I- $\frac{1}{4}$ "	57.0
I- $\frac{3}{8}$ "	89.0
I- $\frac{1}{2}$ "	182.0

8120	DVH/C	M5
8123	DVH/C	G $\frac{1}{8}$ "
8126	DVH/C	G $\frac{1}{4}$ "
8129	DVH/C	G $\frac{3}{8}$ "
8132	DVH/C	G $\frac{1}{2}$ "

DVH/C

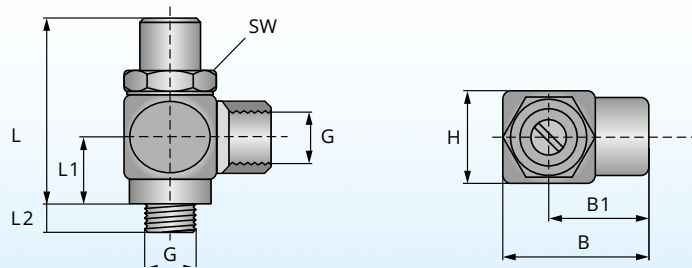


I-M 5	10.0
I- $\frac{1}{8}$ "	32.0
I- $\frac{1}{4}$ "	57.0
I- $\frac{3}{8}$ "	89.0
I- $\frac{1}{2}$ "	182.0

Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-M5-G $\frac{1}{2}$ "
Throttle vales with a ring piece DVH-M5-G $\frac{1}{2}$ "**



Product No.	Type	Thread G	Dimensions						
			L	L1	L2	B	B1	H	SW
8118	DRVH/A	M5 x I-M5	22.5	8	3.5	15	10.5	9	8
8121	DRVH/A	G $\frac{1}{8}$ " x I- $\frac{1}{8}$ "	27.5	11	5	28	21	14	14
8124	DRVH/A	G $\frac{1}{4}$ " x I- $\frac{1}{4}$ "	29	12.5	6.5	35	25	19	17
8127	DRVH/A	G $\frac{3}{8}$ " x I- $\frac{3}{8}$ "	33.5	12.5	8.5	40	29	21	19
8130	DRVH/A	G $\frac{1}{2}$ " x I- $\frac{1}{2}$ "	48	23	12	46	32	26	24
8119	DRVH/B	M5 x I-M5	22.5	8	3.5	15	10.5	9	8
8122	DRVH/B	G $\frac{1}{8}$ " x I- $\frac{1}{8}$ "	27.5	11	5	28	21	14	14
8125	DRVH/B	G $\frac{1}{4}$ " x I- $\frac{1}{4}$ "	29	12.5	6.5	35	25	19	17
8128	DRVH/B	G $\frac{3}{8}$ " x I- $\frac{3}{8}$ "	33.5	12.5	8.5	40	29	21	19
8131	DRVH/B	G $\frac{1}{2}$ " x I- $\frac{1}{2}$ "	48	23	12	46	32	26	24
8120	DVH/C	M5 x I-M5	22.5	8	3.5	15	10.5	9	8
8123	DVH/C	G $\frac{1}{8}$ " x I- $\frac{1}{8}$ "	27.5	11	5	28	21	14	14
8126	DVH/C	G $\frac{1}{4}$ " x I- $\frac{1}{4}$ "	29	12.5	6.5	35	25	19	17
8129	DVH/C	G $\frac{3}{8}$ " x I- $\frac{3}{8}$ "	33.5	12.5	8.5	40	29	21	19
8132	DVH/C	G $\frac{1}{2}$ " x I- $\frac{1}{2}$ "	48	23	12	46	32	26	24

Material specifications:

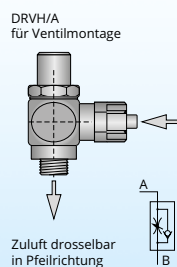
Housing, spindle and ring piece made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM

Other designs, materials and colours can be delivered on request. Subject to design changes.

Throttle check valves with a ring piece DRVH-M5 ●

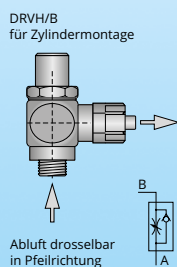
Throttle vales with a ring piece DVH-M5

Product No.	Type	Thread G
8109	DRVH/A	M5
8110	DRVH/A	M5
8111	DRVH/A	M5



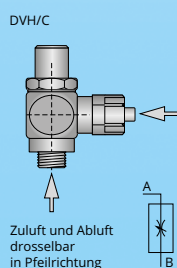
Hose connection	Weight g/piece
4.3/3	11.0
5/3	11.0
6/4	11.0

8112	DRVH/B	M5
8113	DRVH/B	M5
8114	DRVH/B	M5



4.3/3	11.0
5/3	11.0
6/4	11.0

8115	DVH/C	M5
8116	DVH/C	M5
8117	DVH/C	M5

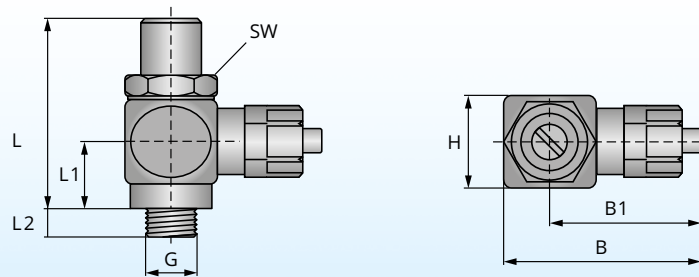


4.3/3	11.0
5/3	11.0
8/6	11.0

Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-M5
Throttle vales with a ring piece DVH-M5**



Product No.	Type	Thread G	Hose connection	Dimensions						
				L	L1	L2	B	B1	H	SW
8109	DRVH/A	M5	4.3/3	22.5	8	3.5	21.5	18	9	8
8110	DRVH/A	M5	5/3	22.5	8	3.5	21.5	18	9	8
8111	DRVH/A	M5	6/4	22.5	8	3.5	21.5	18	9	8
8112	DRVH/B	M5	4.3/3	22.5	8	3.5	21.5	18	9	8
8113	DRVH/B	M5	5/3	22.5	8	3.5	21.5	18	9	8
8114	DRVH/B	M5	6/4	22.5	8	3.5	21.5	18	9	8
8115	DVH/C	M5	4.3/3	22.5	8	3.5	21.5	18	9	8
8116	DVH/C	M5	5/3	22.5	8	3.5	21.5	18	9	8
8117	DVH/C	M5	6/4	22.5	8	3.5	21.5	18	9	8

Material specifications:

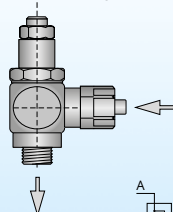
Housing, spindle and ring piece made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM

Throttle check valves with a ring piece DRVH-K-M5 ●

Throttle vales with a ring piece DRVH-K-M5

Product No.	Type	Thread G
8150	DRVH/A-K	M5
8151	DRVH/A-K	M5
8152	DRVH/A-K	M5

DRVH/A-K
für Ventilmontage



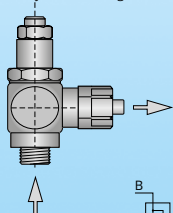
Zuluft drosselbar
in Pfeilrichtung



Hose connection	Weight g/piece
4.3/3	12.0
5/3	12.0
6/4	12.0

8160	DRVH/B-K	M5
8161	DRVH/B-K	M5
8162	DRVH/B-K	M5

DRVH/B-K
für Zylindermontage



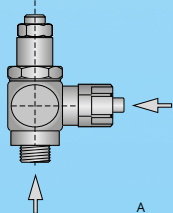
Abluft drosselbar
in Pfeilrichtung



4.3/3	12.0
5/3	12.0
6/4	12.0

8170	DVH/C-K	M5
8171	DVH/C-K	M5
8172	DVH/C-K	M5

DVH/C-K



Zuluft und Abluft
drosselbar
in Pfeilrichtung

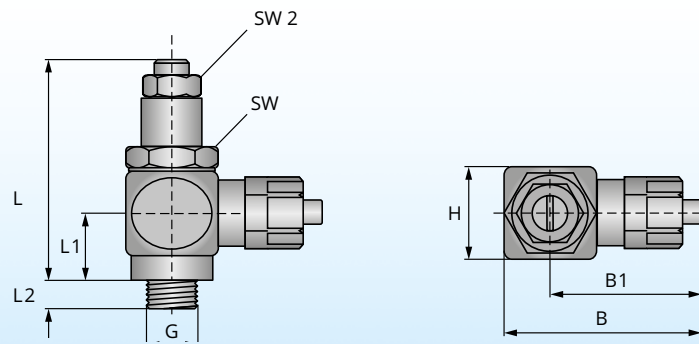


4.3/3	12.0
5/3	12.0
8/6	12.0

Stop valves and flow control valves



Dimension table of throttle check valves with a ring piece DRVH-K-M5 Throttle valves with a ring piece DRVH-K-M5



Product No.	Type	Thread G	Hose connection	Dimensions							
				L	L1	L2	B	B1	H	SW	SW2
8150	DRVH/A-K	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8151	DRVH/A-K	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8152	DRVH/A-K	M5	6/4	29	8	3.5	21.5	18	9	8	5.5
8160	DRVH/B-K	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8161	DRVH/B-K	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8162	DRVH/B-K	M5	6/4	29	8	3.5	21.5	18	9	8	5.5
8170	DVH/C-K	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8171	DVH/C-K	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8172	DVH/C-K	M5	6/4	29	8	3.5	21.5	18	9	8	5.5

Material specifications:

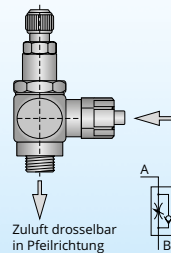
Housing, spindle and ring piece made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM

Throttle check valves with a ring piece **DRVH-KR-M5** ●

Throttle vales with a ring piece **DVH-KR-M5**

Product No.	Type	Thread G
8153	DRVH/A-KR	M5
8154	DRVH/A-KR	M5
8155	DRVH/A-KR	M5

DRVH/A-KR
für Ventilmontage

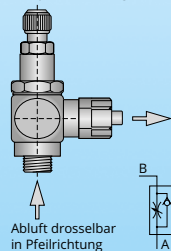


Hose connection	Weight g/piece
--------------------	-------------------

4.3/3	12.0
5/3	12.0
6/4	12.0

8163	DRVH/B-KR	M5
8164	DRVH/B-KR	M5
8165	DRVH/B-KR	M5

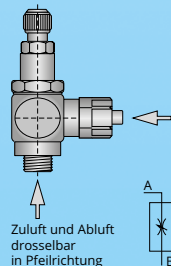
DRVH/B-KR
für Zylindermontage



4.3/3	12.0
5/3	12.0
6/4	12.0

8173	DVH/C-KR	M5
8174	DVH/C-KR	M5
8175	DVH/C-KR	M5

DVH/C-KR

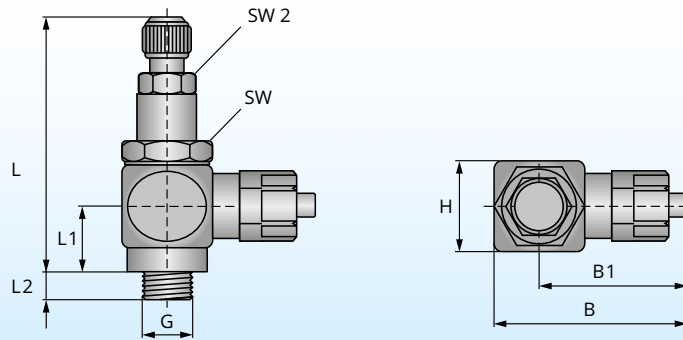


4.3/3	12.0
5/3	12.0
8/6	12.0

Stop valves and flow control valves



**Dimension table of
throttle check valves with a ring piece DRVH-KR-M5
Throttle vales with a ring piece DVH-KR-M5**



Product No.	Type	Thread G	Hose connection	Dimensions							
				L	L1	L2	B	B1	H	SW	SW2
8153	DRVH/A-KR	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8154	DRVH/A-KR	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8155	DRVH/A-KR	M5	6/4	29	8	3.5	21.5	18	9	8	5.5
8163	DRVH/B-KR	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8164	DRVH/B-KR	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8165	DRVH/B-KR	M5	6/4	29	8	3.5	21.5	18	9	8	5.5
8173	DVH/C-KR	M5	4.3/3	29	8	3.5	21.5	18	9	8	5.5
8174	DVH/C-KR	M5	5/3	29	8	3.5	21.5	18	9	8	5.5
8175	DVH/C-KR	M5	6/4	29	8	3.5	21.5	18	9	8	5.5

Material specifications:

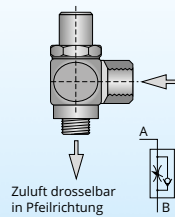
Housing, spindle and ring piece made of nickel-plated MS, membrane support made of MS, seals made of NBR / Vulkollan, sealing ring made of PVC, spacer ring made of POM



Throttle check valves with a ring plug-in connection DRVH-M5 ●
Throttle valves with a ring plug-in connection DVH-M5

Product No.	Type	Thread G
8504	DRVH-A	M5
8505	DRVH-A	M5
8503	DRVH-A	M5

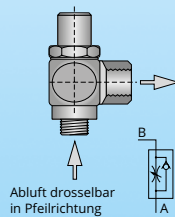
DRVH/A für Ventilmontage



Ring plug-in connection	Weight g/piece
4	12.0
5	14.0
6	16.0

8564	DRVH-B	M5
8565	DRVH-B	M5
8563	DRVH-B	M5

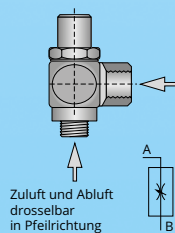
DRVH/B für Zylindermontage



4	12.0
5	14.0
6	16.0

8624	DVH-C	M5
8625	DVH-C	M5
8623	DVH-C	M5

DVH/C



4	12.0
5	14.0
6	16.0

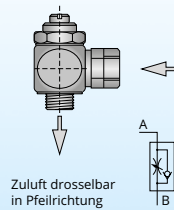
Stop valves and flow control valves



Throttle check valves with a ring plug-in connection **DRVH-K-M5** ● Throttle valves with a ring plug-in connection **DVH-K-M5**

Product No.	Type	Thread G
8524	DRVH-A/K	M5
8525	DRVH-A/K	M5
8523	DRVH-A/K	M5

DRVH/A-K
für Ventilmontage

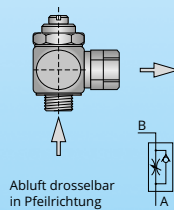


Zuluft drosselbar
in Pfeilrichtung

Ring plug-in connection	Weight g/piece
4	13.0
5	15.0
6	16.0

8584	DRVH-B/K	M5
8585	DRVH-B/K	M5
8583	DRVH-B/K	M5

DRVH/B-K
für Zylindermontage

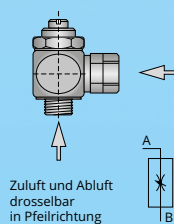


Abluft drosselbar
in Pfeilrichtung

4	13.0
5	15.0
6	16.0

8644	DVH-C/K	M5
8645	DVH-C/K	M5
8663	DVH-C/K	M5

DVH/C-K



Zuluft und Abluft
drosselbar
in Pfeilrichtung

4	13.0
5	15.0
6	16.0

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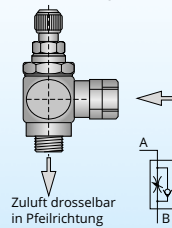


Throttle check valves with a ring plug-in connection **DRVH-KR-M5**

Throttle valves with a ring plug-in connection **DVH-KR-M5**

Product No.	Type	Thread G
8544	DRVH-A/KR	M5
8545	DRVH-A/KR	M5
8543	DRVH-A/KR	M5

DRVH/A-KR
für Ventilmontage

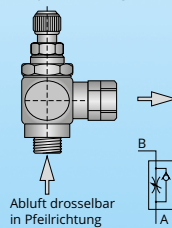


Ring plug-in connection	Weight g/piece
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4	13.0
5	15.0
6	17.0

8604	DRVH-B/KR	M5
8605	DRVH-B/KR	M5
8603	DRVH-B/KR	M5

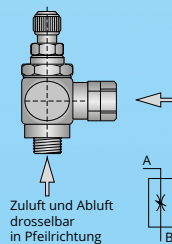
DRVH/B-KR
für Zylindermontage



4	13.0
5	15.0
6	17.0

8664	DVH-C/KR	M5
8665	DVH-C/KR	M5
8643	DVH-C/KR	M5

DVH/C-KR



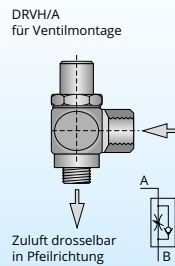
4	13.0
5	15.0
6	17.0

Stop valves and flow control valves



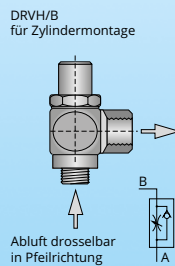
Throttle check valves with a ring plug-in connection DRVH-1/8" ● Throttle valves with a ring plug-in connection DVH-1/8"

Product No.	Type	Thread G
8506	DRVH-A	G1/8"
8507	DRVH-A	G1/8"
8508	DRVH-A	G1/8"
8509	DRVH-A	G1/8"



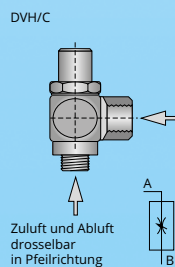
Ring plug-in connection	Weight g/piece
4	30.0
5	31.0
6	31.0
8	35.0

8566	DRVH-B	G1/8"
8567	DRVH-B	G1/8"
8568	DRVH-B	G1/8"
8569	DRVH-B	G1/8"



4	30.0
5	31.0
6	31.0
8	35.0

8626	DVH-C	G1/8"
8627	DVH-C	G1/8"
8628	DVH-C	G1/8"
8629	DVH-C	G1/8"



4	30.0
5	31.0
6	31.0
8	35.0

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Throttle check valves with a ring plug-in connection DRVH-K-1/8" ●

Throttle valves with a ring plug-in connection DVH-K-1/8"

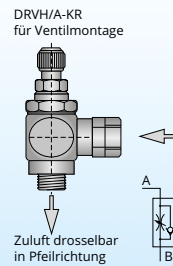
Product No.	Type	Thread G		Ring plug-in connection	Weight g/piece
8526	DRVH-A/K	G1/8"	<p>DRVH-A-K für Ventilmontage</p> <p>Zuluft drosselbar in Pfeilrichtung</p>	4	34.0
8527	DRVH-A/K	G1/8"		5	34.0
8528	DRVH-A/K	G1/8"		6	35.0
8529	DRVH-A/K	G1/8"		8	39.0
8586	DRVH-B/K	G1/8"	<p>DRVH-B-K für Zylindermontage</p> <p>Abluft drosselbar in Pfeilrichtung</p>	4	34.0
8587	DRVH-B/K	G1/8"		5	34.0
8588	DRVH-B/K	G1/8"		6	35.0
8589	DRVH-B/K	G1/8"		8	39.0
8646	DVH-C/K	G1/8"	<p>DVH-C-K</p> <p>Zuluft und Abluft drosselbar in Pfeilrichtung</p>	4	34.0
8647	DVH-C/K	G1/8"		5	34.0
8648	DVH-C/K	G1/8"		6	35.0
8649	DVH-C/K	G1/8"		8	39.0



Stop valves and flow control valves

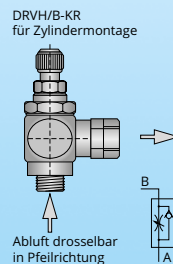
Throttle check valves with a ring plug-in connection **DRVH-KR-1/8"** ● Throttle valves with a ring plug-in connection **DVH-KR-1/8"**

Product No.	Type	Thread G
8546	DRVH-A/KR	G1/8"
8547	DRVH-A/KR	G1/8"
8548	DRVH-A/KR	G1/8"
8549	DRVH-A/KR	G1/8"



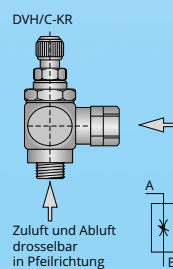
Ring plug-in connection	Weight g/piece
4	37.0
5	37.0
6	38.0
8	42.0

8606	DRVH-B/KR	G1/8"
8607	DRVH-B/KR	G1/8"
8608	DRVH-B/KR	G1/8"
8609	DRVH-B/KR	G1/8"



4	37.0
5	37.0
6	38.0
8	42.0

8666	DVH-C/KR	G1/8"
8667	DVH-C/KR	G1/8"
8668	DVH-C/KR	G1/8"
8669	DVH-C/KR	G1/8"



4	37.0
5	37.0
6	38.0
8	42.0

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Throttle check valves with a ring plug-in connection DRVH-1/4" + 3/8" ●
Throttle valves with a ring plug-in connection DVH-1/4" + 3/8"

Product No.	Type	Thread G		Ring plug-in connection	Weight g/piece
8510	DRVH-A	G1/4"	<p>DRVH/A für Ventilmontage</p> <p>Zuluft drosselbar in Pfeilrichtung</p>	6	51.0
8511	DRVH-A	G1/4"		8	55.0
8512	DRVH-A	G1/4"		10	59.0
8513	DRVH-A	G3/8"	10	76.0	
8570	DRVH-B	G1/4"	<p>DRVH/B für Zylindermontage</p> <p>Abluft drosselbar in Pfeilrichtung</p>	6	51.0
8571	DRVH-B	G1/4"		8	55.0
8572	DRVH-B	G1/4"		10	59.0
8573	DRVH-B	G3/8"	10	76.0	
8630	DVH-C	G1/4"	<p>DVH/C</p> <p>Zuluft und Abluft drosselbar in Pfeilrichtung</p>	6	51.0
8631	DVH-C	G1/4"		8	55.0
8632	DVH-C	G1/4"		10	59.0
8633	DVH-C	G3/8"	10	76.0	

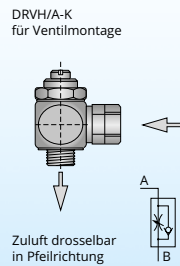


Stop valves and flow control valves



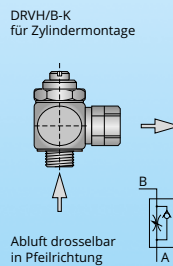
Throttle check valves with a ring plug-in connection DRVH-K-1/4" ● Throttle valves with a ring plug-in connection DVH-K-1/4"

Product No.	Type	Thread G
8530	DRVH-A/K	G1/4"
8531	DRVH-A/K	G1/4"
8532	DRVH-A/K	G1/4"



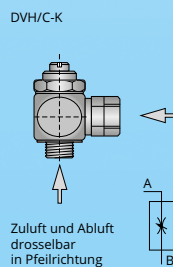
Ring plug-in connection	Weight g/piece
6	53.0
8	57.0
10	61.0

8590	DRVH-B/K	G1/4"
8591	DRVH-B/K	G1/4"
8592	DRVH-B/K	G1/4"



6	53.0
8	57.0
10	61.0

8650	DVH-C/K	G1/4"
8651	DVH-C/K	G1/4"
8652	DVH-C/K	G1/4"



6	53.0
8	57.0
10	61.0

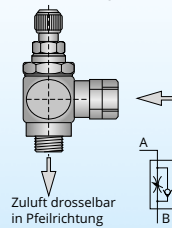
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pneumatic



Throttle check valves with a ring plug-in connection DRVH-KR-1/4" ●
Throttle vales with a ring plug-in connection DVH-KR-1/4"

Product No.	Type	Thread G
8550	DRVH-A/KR	G1/4"
8551	DRVH-A/KR	G1/4"
8552	DRVH-A/KR	G1/4"

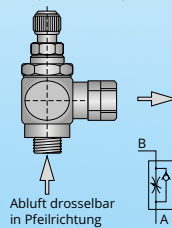
DRVH/A-KR
für Ventilmontage



Ring plug-in connection	Weight g/piece
6	55.0
8	59.0
10	63.0

8610	DRVH-B/KR	G1/4"
8611	DRVH-B/KR	G1/4"
8612	DRVH-B/KR	G1/4"

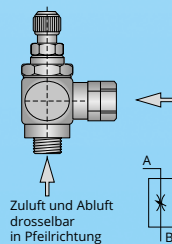
DRVH/B-KR
für Zylindermontage



6	55.0
8	59.0
10	63.0

8670	DVH-C/KR	G1/4"
8671	DVH-C/KR	G1/4"
8672	DVH-C/KR	G1/4"

DVH/C-KR



6	55.0
8	59.0
10	63.0



Throttle check valves DRV-M5-G½"

Characteristic values in accordance with VDI 3293

Model

Throttle check valve
in block form

Fastening type

2 through holes,
directly in the tube, hose
line system, control
panel installation

Materials

Housing: Anodised aluminium
Inner parts: Brass and aluminium
Seals: NBR, POM, Vulkollan

Installation position

Any

Medium

Filtered, oiled
or oil-free compressed air

Temperature range

-20 C to +80 C

Operating pressure range

p min 0.5 bar to p max 10 bar

Nominal pressure

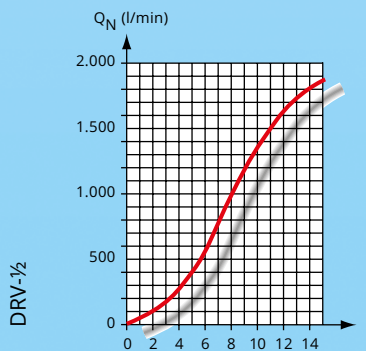
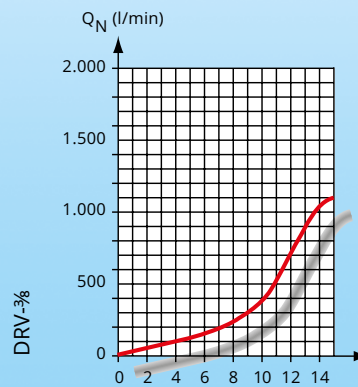
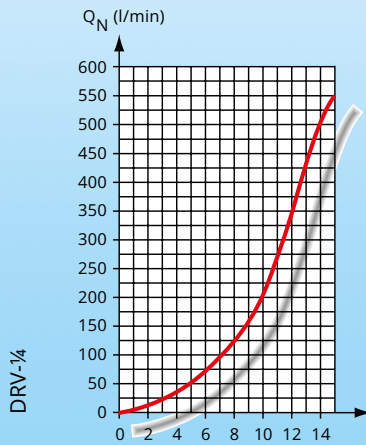
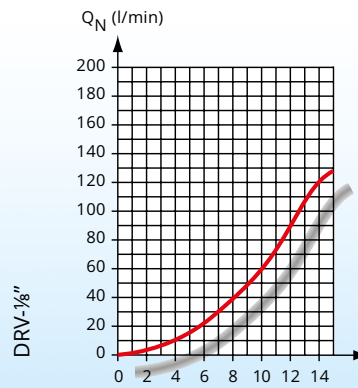
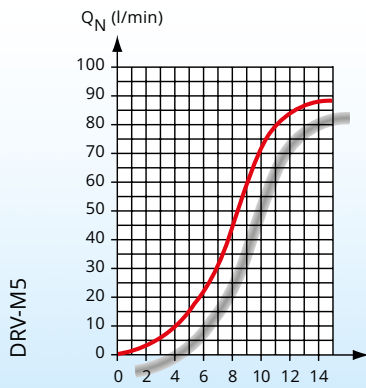
pn 6 bar

Connection thread	M5	G½"	G¼"	G¾"	G½"
Weight	0.019 kg	0.034 kg	0.131 kg	0.219 kg	0.236 kg
Normal nominal flow opened in the throttle direction. Closed opposite the throttle direction	80 l/min	125 l/min	550 l/min	1050 l/min	2000 l/min

Throttle check valves DRV-M5-G½" ●

Product No.	Type	Thread G	Colour	Weight g/piece
9001	DRV	M5	Natural	19.0
9002	DRV	M5	Blue	19.0
90021	DRV	M5	Black	19.0
9005	DRV	G½"	Natural	34.0
9006	DRV	G½"	Blue	34.0
90061	DRV	G½"	Black	34.0
9009	DRV	G¼"	Natural	131.0
9010	DRV	G¼"	Blue	131.0
90101	DRV	G¼"	Black	131.0
9013	DRV	G¾"	Natural	219.0
9014	DRV	G¾"	Blue	219.0
90141	DRV	G¾"	Black	219.0
9017	DRV	G½"	Natural	236.0
9018	DRV	G½"	Blue	236.0
90181	DRV	G½"	Black	236.0

Q-s characteristic curves of throttle check valves DRV-M5-G $\frac{1}{2}$ "





Throttle valves DV-M5-G½"

Characteristic values in accordance with VDI 3291

Model

Throttle valve in block form

Fastening type

2 through holes, directly in the tube, hose line system, control panel installation

Materials

Housing: Aluminium, Ms
Seals: NBR, POM

Installation position

Any

Medium

Filtered, oiled or oil-free compressed air

Temperature range

-20 C to +80 C

Operating pressure range

p max 10 bar

Nominal pressure

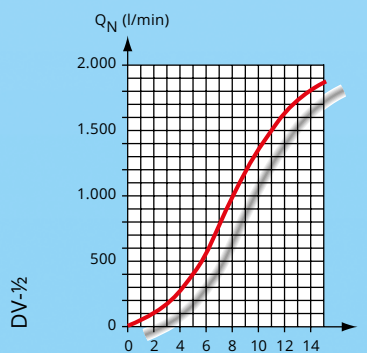
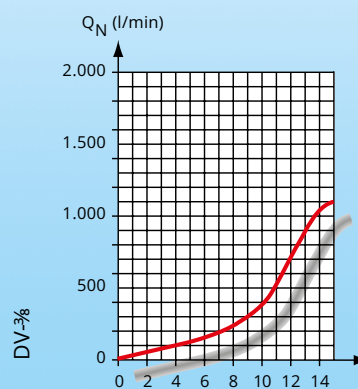
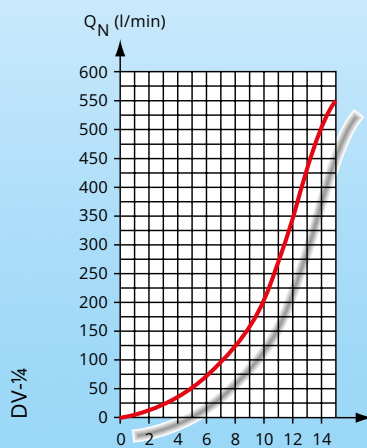
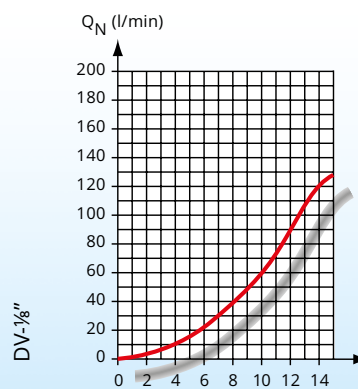
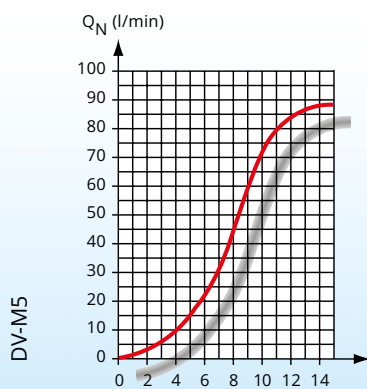
pn 6 bar

Connection thread	M5	G½"	G¼"	G¾"	G½"
Weight	0.019 kg	0.034 kg	0.133 kg	0.225 kg	0.243 kg
Normal nominal flow when the throttle is open	80 l/min	125 l/min	550 l/min	1050 l/min	2000 l/min

Throttle valves DV-M5-G $\frac{1}{2}$ " ●

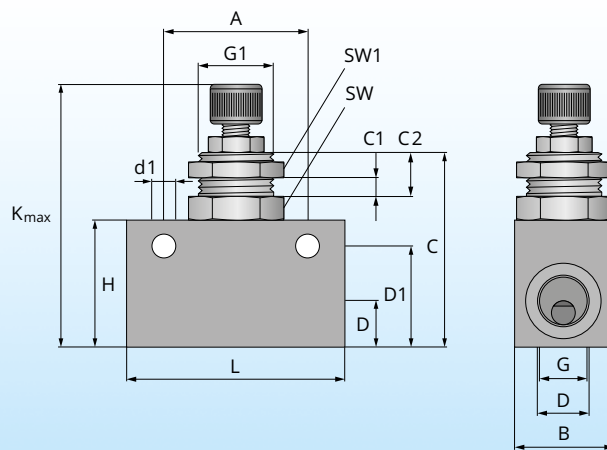
Product No.	Type	Thread G	Colour	Weight g/piece
9003	DV	M5	Natural	19.0
9004	DV	M5	Blue	19.0
90041	DV	M5	Black	19.0
9007	DV	G $\frac{1}{8}$ "	Natural	34.0
9008	DV	G $\frac{1}{8}$ "	Blue	34.0
90081	DV	G $\frac{1}{8}$ "	Black	34.0
9011	DV	G $\frac{1}{4}$ "	Natural	133.0
9012	DV	G $\frac{1}{4}$ "	Blue	133.0
90121	DV	G $\frac{1}{4}$ "	Black	133.0
9015	DV	G $\frac{3}{8}$ "	Natural	225.0
9016	DV	G $\frac{3}{8}$ "	Blue	225.0
90161	DV	G $\frac{3}{8}$ "	Black	225.0
9019	DV	G $\frac{1}{2}$ "	Natural	243.0
9020	DV	G $\frac{1}{2}$ "	Blue	243.0
90201	DV	G $\frac{1}{2}$ "	Black	243.0

Q-s characteristic curves of throttle valves DV-M5-G $\frac{1}{2}$ "



Stop valves and flow control valves

Dimension table of throttle valves, throttle check valves



Type	H	B	L	G	d	D	C	C ₁	C ₂	D ₁	A	d ₁	SW	SW ₁	G1	K _{max}
M5	16	14	26	M5	8.5	5.5	26.5	2.5	6	12.5	18	4.4	7	13	M10x1	44
1/8	22	16	32.5	G $\frac{1}{8}$ "	13.5	9	31.5	2.5	6	17.5	24	4.4	10	17	M12x1	52
1/4	32	25	55	G $\frac{1}{4}$ "	19	12	48	4.5	10	25	35	6.5	13	22	M20x1.5	72
3/8	40	30	58	G $\frac{3}{8}$ "	23	13.5	57	5.0	10	33	43	6.5	19	27	M24x1.5	92
1/2	40	30	68	G $\frac{1}{2}$ "	27.5	15	57	5.0	10	33	50	6.5	19	27	M24x1.5	92

Stop valves and flow control valves

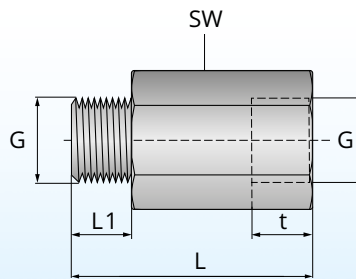


Fastening nuts (SW1) for control panel installation Ms, nickel-plated ●

Product No.	Type	For valve	Thread	Weight g/piece	S
17631	BM-SW 13	M5	M 10 x 1	1.4	3
17632	BM-SW 17	G $\frac{1}{8}$ "	M 12 x 1	3.4	3
17636	BM-SW 22	G $\frac{1}{4}$ "	M 20 x 1.5	4.0	4
17637	BM-SW 27	G $\frac{3}{8}$ " - G $\frac{1}{2}$ "	M 24 x 1.5	7.0	4



Non-return valves RV-G $\frac{1}{8}$ "-G $\frac{1}{4}$ "



Characteristic values in accordance with VDI 3293

Model

Non-return valve
spring-loaded

Fastening type

Directly in the tube, hose and
line system

Materials

Housing: Ms, nickel-plated
Seals: Polyurethane

Installation position

Any

Medium

Filtered, oiled
or oil-free compressed air

Temperature range

-20 C to +80 C

Operating pressure range

p min 0.2 bar to p max 10 bar

Nominal pressure

p_n 6 bar

Nominal dimensions

G = thread
L1 = thread length
L = total length
t = thread depth
SW = spanner width

Connection thread	G $\frac{1}{8}$ " a/i	G $\frac{1}{4}$ " a/i
Weight	0.028 kg	0.042 kg
Normal nominal flow rate	200 l/min	350 l/min
Nominal width	2.5 mm	4.3 mm

eba
pneumatic

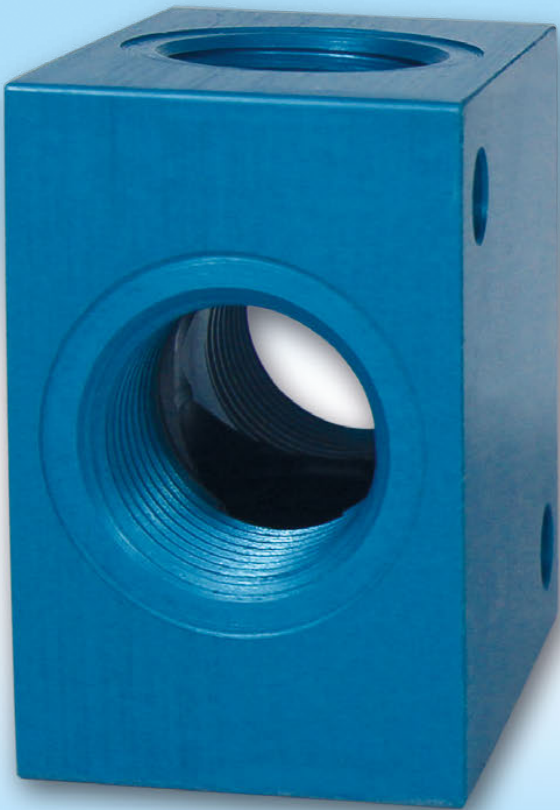
If you have any queries,
please contact us:
Tel.: +49 (0) 7195-5890-0

Non-return valves RV-G $\frac{1}{8}$ "-G $\frac{1}{4}$ " ●

Product No.	Type	G-a/i	L	L1	t	SW	NW	Weight g/piece
9030	RV	G $\frac{1}{8}$ "	30	8	10	14	2.4	28.0
9032	RV	G $\frac{1}{4}$ "	35	10	12	17	4.5	42.0

Distributors

- Cross distributor
- 3-x longitudinal distributor (1 inlet, 3 outlets)
- 8-x longitudinal distributor blocks (2 inlets, 8 outlets)
- 9-x distributor boxes (1 inlet, 9 outlets)

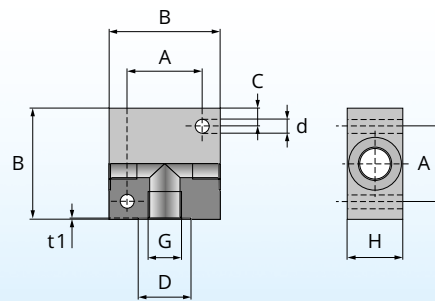




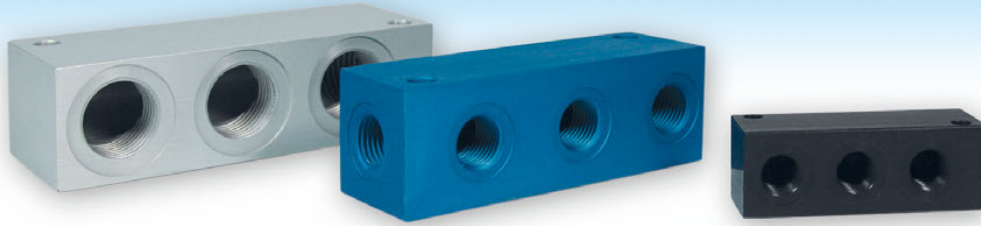
Cross distributor ●

Product No.	Type	Thread G	Colour	Weight g/piece
10037	KV	4 x M 5	Natural	9.0
10038	KV	4 x M 5	Blue	9.0
10039	KV	4 x M 5	Black	9.0
10001	KV	4 x G 1/8"	Natural	17.0
10002	KV	4 x G 1/8"	Blue	17.0
10027	KV	4 x G 1/8"	Black	17.0
10003	KV	4 x G 1/4"	Natural	64.0
10004	KV	4 x G 1/4"	Blue	64.0
10028	KV	4 x G 1/4"	Black	64.0
10005	KV	4 x G 3/8"	Natural	123.0
10006	KV	4 x G 3/8"	Blue	123.0
10029	KV	4 x G 3/8"	Black	123.0
10007	KV	4 x G 1/2"	Natural	149.0
10008	KV	4 x G 1/2"	Blue	149.0
10030	KV	4 x G 1/2"	Black	149.0

Dimension table of cross distributors



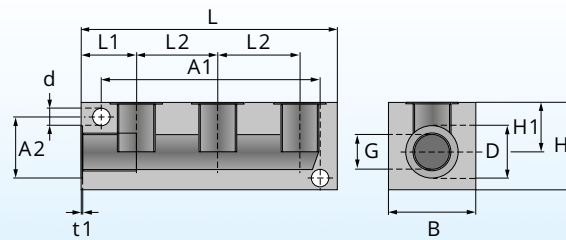
Product No.	Type	Connection thread			Dimensions					Material
		G	D	t1	B	H	A	C	d	
10037/38/39	KV	M5	8.5	0.4	20	10	14	3	3.4	Aluminium - anodised, natural, blue, black
10001/02/27	KV	G 1/8"	14.5	0.5	25	15	17	4	4.4	
10003/04/28	KV	G 1/4"	19	0.6	40	20	26	7	5.4	
10005/06/29	KV	G 3/8"	23	0.8	50	25	34	8	5.4	
10007/08/30	KV	G 1/2"	27.5	1	50	32	34	8	5.4	



3-x longitudinal distributor (1 inlet, 3 outlets) ●

Product No.	Type	Thread G	Colour	Weight g/piece
10043	LV 4	4 x M 5	Natural	22.0
10044	LV 4	4 x M 5	Blue	22.0
10045	KV 4	4 x M 5	Black	22.0
10015	LV 4	4 x G 1/8"	Natural	47.0
10016	LV 4	4 x G 1/8"	Blue	47.0
10023	LV 4	4 x G 1/8"	Black	47.0
10017	LV 4	4 x G 1/4"	Natural	183.0
10018	LV 4	4 x G 1/4"	Blue	183.0
10024	LV 4	4 x G 1/4"	Black	183.0
10019	LV 4	4 x G 3/8"	Natural	220.0
10020	LV 4	4 x G 3/8"	Blue	220.0
10025	LV 4	4 x G 3/8"	Black	220.0
10021	LV 4	4 x G 1/2"	Natural	231.0
10022	LV 4	4 x G 1/2"	Blue	231.0
10026	LV 4	4 x G 1/2"	Black	231.0

Dimension table of 3-x longitudinal distributor (1 inlet, 3 outlets)



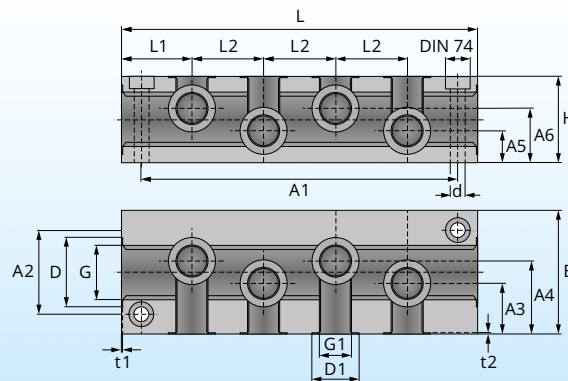
Product No.	Type	Connection thread			Dimensions									Material
		G	D	t1	H	B	L	L1	L2	H1	A1	A2	d	
10043/44/45	LV 4	M5	8.5	0.4	15	15	40	10	10	10	32	9	3.4	Aluminium - anodised, natural, blue, black
10015/16/23	LV 4	1/8"	14.5	0.5	20	20	56	13.5	17	12	46	13	4.4	
10017/18/24	LV 4	1/4"	19	0.6	30	30	89	20	29	17	74	18	6.4	
10019/20/25	LV 4	3/8"	23	0.8	40	30	85	20	26	19	72	20	6.4	
10021/22/26	LV 4	1/2"	27.5	1	40	30	105	25	32	22	90	25	6.4	



8-x longitudinal distributor blocks (2 inlets, 8 outlets) ●

Product No.	Type	Thread Inlets	Thread Outputs	Colour	Weight g/piece
10052	VB 8	2 x 1/4"	8 x M 5	Natural	117.0
10053	VB 8	2 x 1/4"	8 x M 5	Blue	117.0
10054	VB 8	2 x 1/4"	8 x M 5	Black	117.0
10009	VB 8	2 x 3/8"	8 x 1/8"	Natural	305.0
10010	VB 8	2 x 3/8"	8 x 1/8"	Blue	305.0
10014	VB 8	2 x 3/8"	8 x 1/8"	Black	305.0
10011	VB 8	2 x 1/2"	8 x 1/4"	Natural	538.0
10012	VB 8	2 x 1/2"	8 x 1/4"	Blue	538.0
10013	VB 8	2 x 1/2"	8 x 1/4"	Black	538.0
10031	VB 8	2 x 3/4"	8 x 1/2"	Natural	924.0
10032	VB 8	2 x 3/4"	8 x 1/2"	Blue	924.0
10033	VB 8	2 x 3/4"	8 x 1/2"	Black	924.0

Dimension table of 8-x longitudinal distributor blocks (2 inlets, 8 outlets)



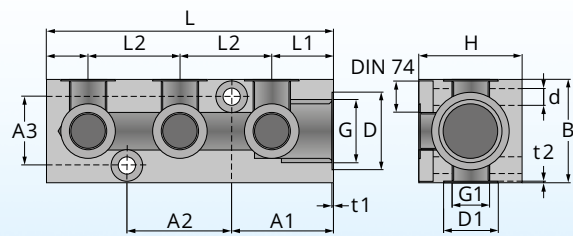
Product No.	Type	Connection thread		Dimensions														Material		
		Input		Outlet		B	H	L	L1	L2	A1	A2	A3	A4	A5	A6	d			
		G	D	t1	G1														D1	t2
10052/53/54	VB 8	G $\frac{1}{4}$ "	19	0.6	M 5	8.5	0.4	32	25	65	17.5	10	50	22	12.5	19.5	8.5	16.5	4.4	Aluminium - anodised, natural, blue, black
10009/10/14	VB 8	G $\frac{3}{8}$ "	23	0.8	G $\frac{1}{8}$ "	14.5	0.5	40	30	114	22.5	23	100	26	16.5	24.5	10.5	19.5	6.5	
10017/12/13	VB 8	G $\frac{1}{2}$ "	27.5	1	G $\frac{1}{4}$ "	19	0.6	50	35	144	28.5	29	128	34	20.5	29.5	13	22	6.5	
10031/32/33	VB 8	G $\frac{3}{4}$ "	34	1.2	G $\frac{1}{2}$ "	27.5	1	60	45	170	31	36	150	40	27	33	19.5	25.5	8.5	



9-x longitudinal distributor (1 inlet, 9 outlets) ●

Product No.	Type	Thread Inlets	Thread Outputs	Colour	Weight g/piece
10058	VB 9	1 x 1/8"	9 x M 5	Natural	45.0
10059	VB 9	1 x 1/8"	9 x M 5	Blue	45.0
10060	VB 9	1 x 1/8"	9 x M 5	Black	45.0
10061	VB 9	1 x 3/8"	9 x 1/8"	Natural	155.0
10062	VB 9	1 x 3/8"	9 x 1/8"	Blue	155.0
10063	VB 9	1 x 3/8"	9 x 1/8"	Black	155.0
10064	VB 9	1 x 1/2"	9 x 1/4"	Natural	270.0
10065	VB 9	1 x 1/2"	9 x 1/4"	Blue	270.0
10066	VB 9	1 x 1/2"	9 x 1/4"	Black	270.0
10070	VB 9	1 x 3/4"	9 x 1/2"	Natural	657.0
10071	VB 9	1 x 3/4"	9 x 1/2"	Blue	657.0
10072	VB 9	1 x 3/4"	9 x 1/2"	Black	657.0

Dimension table of 9-x longitudinal distributor (1 inlet, 9 outlets)



Product No.	Type	Connection thread						Dimensions									Material
		Input			Outlet			B	H	L	L1	L2	A1	A2	A3	d	
		G	D	t1	G1	D1	t2										
10058/59/60	VB 9	G $\frac{1}{8}$ "	19	0.6	M 5	8.5	0.4	20	20	50	11.5	15	16.5	20	13	3.4	Aluminium - anodised, natural, blue, black
10061/62/63	VB 9	G $\frac{3}{8}$ "	23	0.8	G $\frac{1}{8}$ "	14.5	0.5	30	30	80	18.5	25	28.5	30	18	5.4	
10064/65/66	VB 9	G $\frac{1}{2}$ "	27.5	1	G $\frac{1}{4}$ "	19.0	0.6	36	36	100	22	30	36	34	24	6.5	
10070/71/72	VB 9	G $\frac{3}{4}$ "	34	1.2	G $\frac{1}{2}$ "	27.5	1	50	50	135	31	40	51	40	38	6.5	

