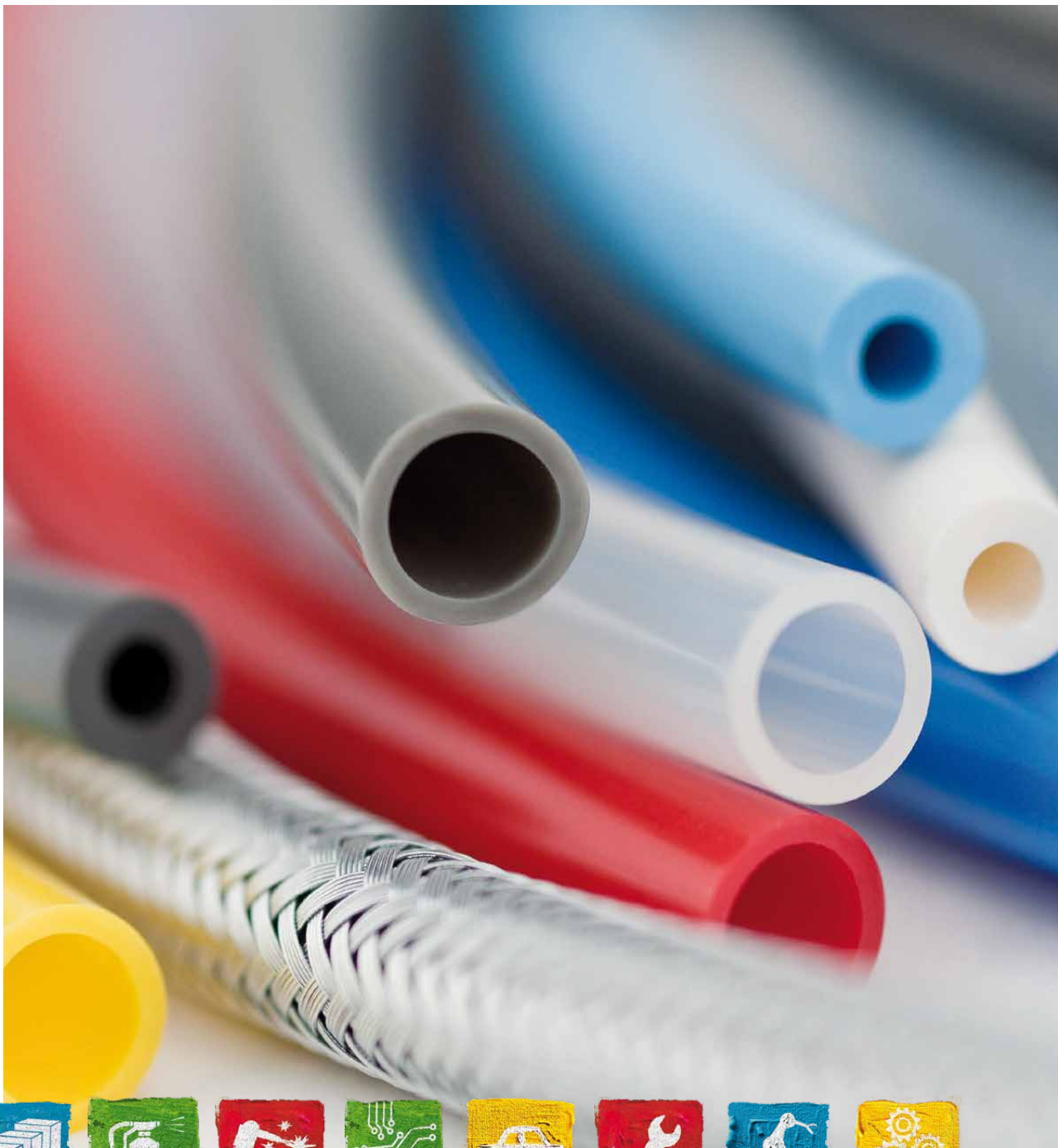


PLASTICTUBES

Durable plastic tubes for every application



EISELE IS QUALITY MADE IN GERMANY

Over 30 patents, more than 8,000 standard articles, and 2,000 customized solutions impressively underline our top quality performance. Whether the solution is configured from standard components or individually customized: all EISELE products boast convincing quality, long lifetimes and sophisticated technology.

Our company is loyal to its philosophy and its roots. The EISELE portfolio is manufactured virtually 100% at our location in Germany. Warehousing directly at the production site enables us to optimally supply our customers, and respond quickly to fulfill needs and technical specifications. Worldwide distributors and the subsidiary Eisele Connectors in Michigan, USA, ensure the global availability of EISELE products.

DIN EN ISO 9001: 2015 – EISELE has been certified since 1994. We have continuously been updating this quality standard and will continue to maintain it with future certifications. The elements of our basic philosophy include sustainable quality, flexibility and continuous improvement. Since 2014 Eisele is certified regarding the international economic standard DIN EN ISO

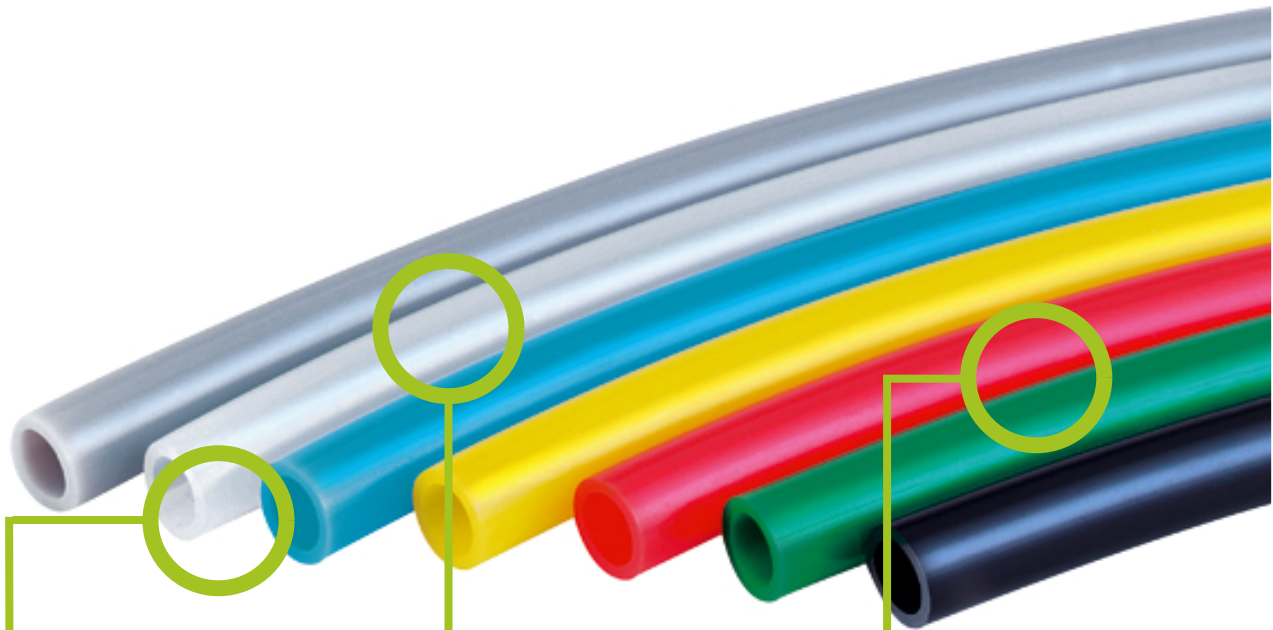
PREMIUM QUALITY 
MADE IN GERMANY

From EISELE connection components you may expect:

- + Highest tightness and safety
- + Ruggedness and long lifetimes
- + Vacuum-compatible products
- + Easy mounting and disassembly
- + Individual solutions for a broad range of applications



Plastic tubes made of		Page
EISELE PLASTIC TUBES		PE (Polyethylene) 7
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		Eisele Hydro (Polyether-Polyurethane) 8
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Versatile range of tubes

- Standard compressed-air tubes as well as tubes for special applications and appropriate accessories
- Different tube materials for different application areas

Color and code versions possible

- Tubes can be delivered in many common colors, e.g. to indicate different fluids
- Labeling of tubes for coding is also possible

Package solutions of connectors and tubes

- Secure combinations of EISELE connectors and their matching tubes
- Very suitable for applications due to limited tolerances and a high demand for no leakage

On request we also offer tube solutions in other colors, sizes and materials.

Tube types

Kind of calibration:

- Tubes for push-in fittings - external calibration, OD produced with narrow tolerances. Typical structure: single-layered, not reinforced with fabric lining.
- Tubes for spigots – internal calibration. Partly reinforced.

Kind of flexibility:

- Furthermore, a distinction is made between tubes which are resistant and nonresistant to buckling. Polyurethane tubes (e.g. PU, HYDRO Eisele, Eisele ProWeld) or PVC tubes are permanently flexible and relatively impervious to buckling! All other tubes have a clearly visible deformation (e.g. whitening) after buckling; replacement should be done.

Resistance

Type of tube	Damage by weak acids/bases or water	Stress crack by polar solvents	Microbial/fungal damage	Physical radiation damage
Polyurethane (PU)	-	0	-	+*
Eisele Hydro/ProWeld	+	0	++	+
Polyamide (PA)	0/+	+	+	0
PFA	++	++	++	(UV) +

++

Excluded damage

+

Damage rarely

0

Damage occasionally

-

Damage often

*PU bilged stronger than Eisele Hydro

Temperatures

Temperature - Material



302 °F (150°C)	- PFA, PTFE (Teflon) at zero pressure up to 500 °F (260°C)
248 °F (120°C)	- FEP
212 °F (100°C)	- PA
194 °F (90°C)	- PU-Ether-based (Eisele ProWeld)
158 °F (70°C)	- PU-Ester-based (PU), NBR
140 °F (60°C)	- PE, PVC, PU-Ether-based (Eisele Hydro)
104 °F (40°C)	- PE

Working pressure

The operating pressure is obtained by dividing the burst pressure by a safety factor. Safety factors are between 2 to 4 depending on the application.

Example:

435 psi (30 bar) burst pressure at 20 ° C results in an operating pressure of

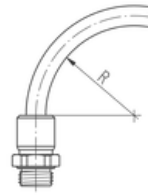
- 145 psi (10 bar) with a safety factor of 3,
- 217 psi (15 bar) with a safety factor of 2

Eisele usually provides the burst pressure. Every customer can choose his required safety factor.

Plastic tube PE

99

- Made of polyethylene (PE)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range 14 to 104°F (-10 to +40 °C)
- Free of plasticizer and halogen

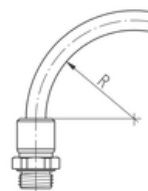


Part no.*	Outside Ø / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	g/m
99004-0402	4 / 2	290 psi (20 bar)	20	9
99004-4303	4,3 / 3	188 psi (13 bar)	20	7
99004-0503	5 / 3	217 psi (15 bar)	25	12
99004-0604	6 / 4	188 psi (13 bar)	30	15
99004-0806	8 / 6	116 psi (8 bar)	40	20
99004-1008	10 / 8	87 psi (6 bar)	60	26
99004-1209	12 / 9	130 psi (9 bar)	60	46
99004-1210	12 / 10	72 psi (5 bar)	85	32
99004-1411	14 / 11	116 psi (8 bar)	90	54
99004-1512	15 / 12	101 psi (7 bar)	90	59
99004-1613	16 / 13	87 psi (6 bar)	90	63

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99004-0402RED

Plastic tube PA

- Made of polyamide (PA)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range -76 to 212 °F (-60 to +100 °C)
- Suitable for vacuum
- Free of PWIS and halogen
- Suitable for fuel
- For automotive industry according to DIN 73378
- Drag chain compliant



Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99005-0302					5
99005-0402	4 / 2	2103 psi (145 bar)	1189 psi (82 bar)	20	10
99005-4303	4,3 / 3	1102 psi (76 bar)	623 psi (43 bar)	20	8
99005-0503	5 / 3	1624 psi (112 bar)	928 psi (64 bar)	25	13
99005-0604	6 / 4	1290 psi (89 bar)	739 psi (51 bar)	30	16
99005-0805	8 / 5	1348 psi (93 bar)	768 psi (53 bar)	40	32
99005-0806	8 / 6	1348 psi (93 bar)	521 psi (36 bar)	40	23
99005-0906	9 / 6	1290 psi (89 bar)	739 psi (51 bar)	45	36
99005-1008	10 / 8	710 psi (49 bar)	406 psi (28 bar)	60	29
99005-1209	12 / 9	913 psi (63 bar)	521 psi (36 bar)	60	51
99005-1210	12 / 10	565 psi (39 bar)	319 psi (22 bar)	85	36
99005-1411	14 / 11	768 psi (53 bar)	435 psi (30 bar)	80	61
99005-1512	15 / 12	710 psi (49 bar)	406 psi (28 bar)	90	66
99005-1613	16 / 13	667 psi (46 bar)	377 psi (26 bar)	90	70
99005-1814	18 / 14	739 psi (51 bar)	420 psi (29 bar)	100	104
99005-2016	20 / 16	710 psi (49 bar)	406 psi (28 bar)	120	117

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99005-0402RED

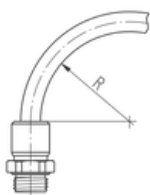
Plastic tubes

8

PE, PA, PU, ProWeld, PTFE, FEP, PFA, PVDF, PVC, NBR

99

Plastic tube PU

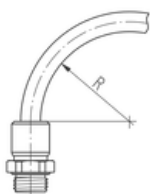


- Made of polyester-polyurethane (PU)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 158 °F (-35 to +70 °C)
- Free of plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Suitable for vacuum

Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99003-0402	4 / 2,3	652 psi (45 bar)	348 psi (24 bar)	10	12
99003-0425	4 / 2,5	565 psi (39 bar)	333 psi (23 bar)	13	12
99003-4303	4,3 / 2,9	522 psi (36 bar)	319 psi (22 bar)	14	12
99003-0503	5 / 3,1	652 psi (45 bar)	348 psi (24 bar)	12	16
99003-0604	6 / 3,9	522 psi (36 bar)	333 psi (23 bar)	20	22
99003-0806	8 / 5,7	464 psi (32 bar)	290 psi (20 bar)	35	31
99003-1008	10 / 7,5	406 psi (28 bar)	232 psi (16 bar)	50	40
99003-1208	12 / 8	609 psi (42 bar)	377 psi (26 bar)	50	78
99003-1209	12 / 9	420 psi (29 bar)	246 psi (17 bar)	55	62
99003-1411	14 / 11	333 psi (23 bar)	217 psi (15 bar)	70	75
99003-1611	16 / 11	464 psi (32 bar)	304 psi (21 bar)	70	132

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99003-0402RED

Plastic tube Eisele Hydro



- Made of polyether-polyurethane (PU-H)
- Color imbued: black, blue, red
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140 °F (-35 to +60 °C)
- Free of halogen, plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant to UV, hydrolysis and microbes
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum

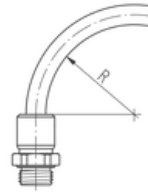
Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99150-0425	4 / 2,5	478 psi (33 bar)	232 psi (16 bar)	8	9
99150-3925	5/32" (4/2,5)	478 psi (33 bar)	232 psi (16 bar)	8	9
99150-0604	6 / 4	464 psi (32 bar)	217 psi (15 bar)	10	18
99150-6341	1/4" (6,35/4,1)	464 psi (32 bar)	224 psi (15,5 bar)	10	22
99150-0806	8 / 6	391 psi (27bar)	188 psi (13 bar)	21	29
99150-7906	5/16" (8/6)	391 psi (27bar)	188 psi (13 bar)	21	29
99150-9565	3/8" (9,53/6,5)	406 psi (28 bar)	195 psi (13,5 bar)	25	46
99150-1007	10 / 7	406 psi (28 bar)	188 psi (13 bar)	28	47
99150-1208	12 / 8	464 psi (32 bar)	232 psi (16 bar)	33	73
99150-2785	1/2" (12,7/8,5)	420 psi (29 bar)	224 psi (15,5 bar)	23	84
99150-1410	14 / 10	393 psi (27,1 bar)	190 psi (13,2 bar)	33	73
99150-5908	5/8" (15,9/10,8)	435 psi (30 bar)	210 psi (14,5 bar)	38	133
99150-1611	16 / 11	435 psi (30 bar)	203 psi (14 bar)	38	123
99150-2014	20 / 14	417 psi (28,8 bar)	203 psi (14 bar)	-	ca. 187

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99150-0425RED

Plastic tube Eisele Hydro, translucent

99

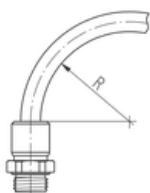
- Made of polyether-polyurethane (PU-H)
- Color transparent: natural, red, blue
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140 °F (-35 to +60 °C)
- Free of halogen, plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant to hydrolysis and microbes
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum



Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99151-0425	4 / 2,5	478 psi (33 bar)	232 psi (16 bar)	8	9
99151-3925	5/32" (4/2,5)	478 psi (33 bar)	232 psi (16 bar)	8	9
99151-0604	6 / 4	464 psi (32 bar)	217 psi (15 bar)	10	18
99151-6341	1/4" (6,35/4,1)	464 psi (32 bar)	224 psi (15,5 bar)	10	22
99151-0806	8 / 6	391 psi (27bar)	188 psi (13 bar)	21	29
99151-7906	5/16" (8/6)	391 psi (27bar)	188 psi (13 bar)	21	29
99151-9565	3/8" (9,53/6,5)	406 psi (28 bar)	195 psi (13,5 bar)	25	46
99151-1007	10 / 7	406 psi (28 bar)	188 psi (13 bar)	28	47
99151-1208	12 / 8	464 psi (32 bar)	232 psi (16 bar)	33	73
99151-2785	1/2" (12,7/8,5)	420 psi (29 bar)	224 psi (15,5 bar)	23	84
99151-1410	14 / 10	393 psi (27,1 bar)	190 psi (13,2 bar)	33	73
99151-5908	5/8" (15,9/10,8)	435 psi (30 bar)	210 psi (14,5 bar)	38	133
99151-1611	16 / 11	435 psi (30 bar)	203 psi (14 bar)	38	123
99151-2014	20 / 14	417 psi (28,8 bar)	203 psi (14 bar)	-	ca. 187

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99151-0425RED

Plastic tube Eisele ProWeld



- Made of polyether-polyurethane
- Color black (red, blue, green, white)
- External calibration; for use with Eisele plug connectors
- Operating temperature -31 to 194 °F (-35 to +90 °C)
- Suitable for compressed air, water
- Free of plasticizers, PWIS, halogen, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant to UV, hydrolysis and microbes
- Flame-retardant according to UL94 V0 to V2
- Suitable for employment in welding
- Suitable for vacuum

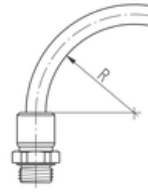
Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99118-0201	2 / 1	ca. 507 psi (35 bar)	-	-	-
99118-0302	3 / 2	652 psi (45 bar)	-	-	-
99118-0402	4 / 2	1348 psi (93 bar)	580 psi (40 bar)	8	12
99118-3902	5/32" (4/2)	1348 psi (93 bar)	580 psi (40 bar)	8	12
99118-4303	4,3/3	551 psi (38 bar)	232 psi (16 bar)	-	-
99118-0603	6 / 3	1348 psi (93 bar)	580 psi (40 bar)	10	27,5
99118-0604	6 / 4	580 psi (40 bar)	319 psi (22 bar)	14	22
99118-6343	1/4" (6,35/4,32)	464 psi (32 bar)	-	-	-
99118-0804	8 / 4	913 psi (63 bar)	536 psi (37 bar)	10	48
99118-7904	5/16" (8/4)	913 psi (63 bar)	536 psi (37 bar)	10	48
99118-0855	8 / 5,5	493 psi (34 bar)	260 psi (18 bar)	21	33
99118-7955	5/16" (8/5,5)	493 psi (34 bar)	260 psi (18 bar)	21	33
99118-9563	3/8" (9,53/6,35)	623 psi (43 bar)	-	-	-
99118-1006	10 / 6	710 psi (49 bar)	406 psi (28 bar)	20	65
99118-1208	12 / 8	493 psi (34 bar)	304 psi (21 bar)	33	81
99118-2781	1/2" (12,7/8,13)	681 psi (47 bar)	-	-	-
99118-1410	14 / 10	478 psi (33 bar)	260 psi (18 bar)	41	98
99118-1611	16 / 11	536 psi (37 bar)	275 psi (19 bar)	47	137
99118-2014	20 / 14	ca. 507 psi (35 bar)	ca. 232 psi (16 bar)	70	ca. 200

* Please add the desired tube color directly behind the part no.: 99XXX-XXXXCOLOUR – e.g. 99118-0402RED

Plastic tube PTFE

99

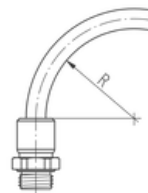
- Made of polytetrafluoroethylene (PTFE, Teflon)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range -310 to 500 °F (-190 to +260 °C)
- Free of plasticizers, PWIS and copper
- Resistant to UV and solvents
- FDA compliant according to 21 CFR 177.2600
- Flame-retardant according to UL94 V0 to V2



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 122°F (50°C)	min. allowable bend radius	g/m
99001-0335	3 / 0,35	290 psi (20 bar)	250 psi (17,5 bar)	35	-
99001-0305	3 / 0,5	-	-	-	-
99001-0307	3 / 0,7	-	-	-	-
99001-0310	3 / 1	-	-	-	-
99001-0315	3 / 1,5	217 psi (15 bar)	188 psi (13 bar)	25	-
99001-0402	4 / 2	1160 psi (80 bar)	1000 psi (69 bar)	16	20
99001-4303	4,3 / 3	522 psi (36 bar)	449 psi (31 bar)	35	16
99001-0503	5 / 3	870 psi (60 bar)	754 psi (52 bar)	25	27
99001-0604	6 / 4	696 psi (48 bar)	594 psi (41 bar)	35	34
99001-0805	8 / 5	812 psi (56 bar)	696 psi (48 bar)	-	-
99001-0806	8 / 6	522 psi (36 bar)	449 psi (31 bar)	65	47
99001-0906	9 / 6	696 psi (48 bar)	594 psi (41 bar)	55	76
99001-1008	10 / 8	406 psi (28 bar)	348 psi (24 bar)	100	61
99001-1209	12 / 9	580 psi (40 bar)	493 psi (34 bar)	100	106
99001-1210	12 / 10	304 psi (21 bar)	261 psi (18 bar)	100	-
99001-1411	14 / 11	406 psi (28 bar)	348 psi (24 bar)	140	127
99001-1613	16 / 13	348 psi (24 bar)	304 psi (21 bar)	175	152

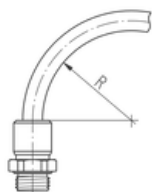
Plastic tube FEP

- Made of fluorinated ethylene-propylene copolymer (FEP)
- Color natural, transparent
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 248 °F (-35 to +120 °C)
- Very flexible
- Free of plasticizer and copper
- Flame-retardant according to UL94 V0 to V2
- Resistant to UV, hydrolysis and microbes
- Stabilized against thermal degradation and light
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99501-0402	4 / 2	1218 psi (84 bar)	1015 psi (70 bar)	25	21
99501-0503	5 / 3	870 psi (60 bar)	754 psi (52 bar)	35	28
99501-0604	6 / 4	725 psi (50 bar)	580 psi (40 bar)	40	35
99501-0806	8 / 6	522 psi (36 bar)	420 psi (29 bar)	65	49
99501-0906	9 / 6	-	-	55	79
99501-1008	10 / 8	406 psi (28 bar)	319 psi (22 bar)	100	63
99501-1209	12 / 9	-	-	100	110

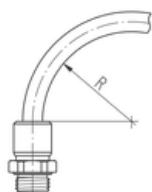
Plastic tube PFA



- Made of Perfluoro Alkoxyalkane (PFA)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range -4 to 302 °F (-20 to +150 °C)
- Free of plasticizer and PWIS
- Resistant to UV, hydrolysis, microbes and solvents
- Stable against thermal degradation
- Resistant to weld spatter
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum

Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99221-0425	4 / 2,5	884 psi (61 bar)	725 psi (50 bar)	25	12
99221-3925	5/32" (4/2,5)	884 psi (61 bar)	725 psi (50 bar)	25	12
99221-0403	4 / 3	464 psi (32 bar)	493 psi (34 bar)	35	12
99221-0604	6 / 4	783 psi (54 bar)	638 psi (44 bar)	40	34
99221-6339	1/4" (6,35/3,9)	884 psi (61 bar)	725 psi (50 bar)	40	34
99221-0806	8 / 6	464 psi (32 bar)	493 psi (34 bar)	70	49
99221-7906	5/16 (8/6)	464 psi (32 bar)	493 psi (34 bar)	70	49
99221-0906	9 / 6	783 psi (54 bar)	638 psi (44 bar)	65	49
99221-9563	3/8" (9,53/6,38)	768 psi (53 bar)	609 psi (42 bar)	65	49
99221-1007	10 / 7	710 psi (49 bar)	580 psi (40 bar)	75	87
99221-1209	12 / 9	464 psi (32 bar)	493 psi (34 bar)	100	125
99221-1210	12 / 10	391 psi (27bar)	319 psi (22 bar)	150	-
99221-1412	14 / 12	333 psi (23 bar)	246 psi (17 bar)	-	-
99221-1614	16 / 14	290 psi (20 bar)	217 psi (15 bar)	-	-
99221-2795	1/2" (12,7/8,5)	580 psi (40 bar)	478 psi (33 bar)	110	125

Plastic tube PVDF



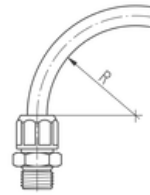
- Made of Polyvinylidene fluoride (PVDF)
- Farbe natur
- External calibration; for use with Eisele plug connectors
- Temperature range -40 to 302 °F (-40 to +150 °C)
- Operating pressure = burst pressure: Safety (common factor 2 to 3)
- Excellent pressure resistance
- Low gas permeability
- Resistant to UV
- Non flammable according to UL94 V-0
- Sterilizable
- FDA compliant according to 21 CFR 177.2510

Artikel-Nr.*	Outside Ø* / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	g/m
99401-0402	4 / 2	2400 psi (166 bar)	60	17
99401-0604	6 / 4	1450 psi (100 bar)	75	28
99401-0806	8 / 6	1029 psi (71 bar)	85	39
99401-1008	10 / 8	797 psi (55 bar)	100	50
99401-1210	12 / 10	652 psi (45 bar)	125	62

Plastic tube PVC fiber-reinforced

99

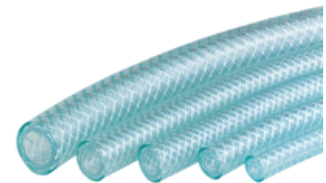
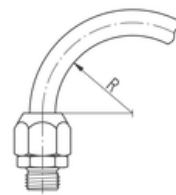
- Made of polyvinylchloride (PVC), fiber-reinforced
- Color blue, other colors on request
- Usable for screw joints of program 10
- Temperature range 14 to 140 °F (-10 to +60 °C)



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99006-0604	6,2 / 4	2030 psi (140 bar)	1421 psi (98 bar)	50	20
99006-0806	8,2 / 6	1769 psi (122 bar)	1218 psi (84 bar)	60	33
99006-1008	10 / 8	1769 psi (122 bar)	1218 psi (84 bar)	65	41
99006-1109	11,6 / 9	1522 psi (105 bar)	1116 psi (77 bar)	70	52
99006-1210	12,5 / 10	1421 psi (98 bar)	1015 psi (70 bar)	80	52
99006-1512	15 / 12,5	1421 psi (98 bar)	1015 psi (70 bar)	100	69
99006-1713	17,6 / 13	1421 psi (98 bar)	1015 psi (70 bar)	100	140

Compressed-air tube PVC fabric lining

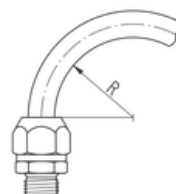
- Made of polyvinylchloride (PVC) with fabric lining
- Color green-transparent
- Usable for screw joints and spigots
- Temperature range 14 to 140 °F (-10 to +60 °C)



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99007-1004	10 / 4	1334 psi (92 bar)	812 psi (56 bar)	15	77
99007-1206	12 / 6	1160 psi (80 bar)	696 psi (48 bar)	25	99
99007-1408	14 / 8	1044 psi (72 bar)	638 psi (44 bar)	30	114
99007-1509	15 / 9	928 psi (64 bar)	580 psi (40 bar)	35	133
99007-1610	16 / 10	812 psi (56 bar)	521 psi (36 bar)	40	147
99007-2112	21 / 12	812 psi (56 bar)	521 psi (36 bar)	70	275
99007-2013	20 / 13	696 psi (48 bar)	406 psi (28 bar)	55	207
99007-2619	26,8 / 19,4	580 psi (40 bar)	348 psi (24 bar)	130	-
99007-260190	26 / 19	580 psi (40 bar)	348 psi (24 bar)	130	-

Plastic tube NBR with metal braiding

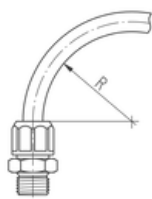
- Made of Perbunan (NBR) with metal braiding
- Color silver
- Usable for screw joints
- Temperature range -4 to 212°F (-20 to +100 °C)
- Usable with commercial fuels such as oil, diesel, gasoline, heating oil as well as water and air



Artikel-Nr.*	Outside Ø* / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	g/m
99009-0704	7 / 4	290 psi (20 bar)	70	82
99009-0906	9 / 6	217 psi (15 bar)	80	117
99009-1209	12 / 9	145 psi (10 bar)	90	173

* Outer diameter without metal braiding. The Metal Braiding adds about 1mm.

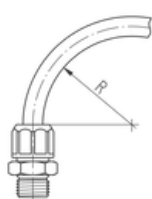
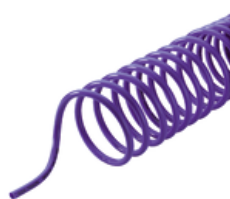
Double compressed-air tube PU



- Made of polyurethane (PU)
- Color black / blue
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140°F (-35 to +60 °C)
- Suitable for vacuum

Part no.	Outside Ø / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	g/m
99002-0402	4 / 2	304 psi (21 bar)	10	23
99002-0425	4 / 2,5	174 psi (12 bar)	10	19
99002-0604	6 / 4	203 psi (14 bar)	30	43
99002-0806	8 / 6	174 psi (12 bar)	45	60
99002-1008	10 / 8	145 psi (10 bar)	60	78
99002-4303	4,3 / 3	174 psi (12 bar)	15	19

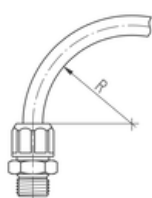
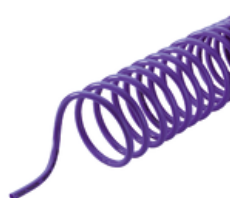
Spring coil PU



- Made of polyurethane (PU)
- Color blue, other colors on request
- External calibration; for use with Eisele plug connectors
- Temperature range 5 to 131 °F (-15 to +55 °C)
- With axial outlet
- Free of plasticizer, PWIS and halogen
- Suitable for vacuum

Part no.*	Outside Ø / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	Effective operating length	Coil diameter, inside	g/piece
99503-402504	6 / 4	116 psi (8 bar)	30	2500	40	86,0
99503-405004	6 / 4	116 psi (8 bar)	30	5000	40	172,0
99503-502506	8 / 6	101 psi (7 bar)	45	2500	50	121,0
99503-505006	8 / 6	101 psi (7 bar)	45	5000	50	242,0

Spring coil PA



- Made of polyamide (PA)
- Color blue, other colors on request
- External calibration; for use with Eisele plug connectors
- Temperature range -4 to 158 °F (-20 to +70 °C)
- With axial outlet
- Suitable for vacuum

Part no.*	Outside Ø / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	Effective operating length	Coil diameter, inside	g/piece
99505-602504	6 / 4	217 psi (15 bar)	40	2500	60	81,0
99505-605004	6 / 4	217 psi (15 bar)	40	5000	60	162,0
99505-802506	8 / 6	174 psi (12 bar)	55	2500	80	114,0
99505-805006	8 / 6	174 psi (12 bar)	55	5000	80	227,0
99505-905009	12 / 9	145 psi (10 bar)	55	5000	90	510,0

Tube bundling spiral

- Material polyethylene (PE)
- Color natural
- Temperature range 14 to 104 °F (-10 to +40 °C)



Part no.

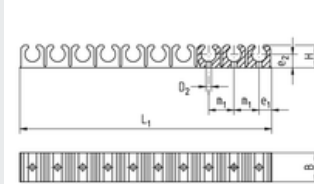
g/m

99008-1209

50,1

10-layer seal retaining strip

- With grooved pins
- Material PA6 GF, black
- Temperature range 14 to 140 °F (-10 to +60 °C)
- Packaging unit 10 piece



Part no.	for tube	B	H	L1	D2	e1	e2	m1	g/piece
99012-0503	5 / 3	13,5	9	96	2,5	4,3	6	9,7	11
99012-0604	6 / 4	13,5	9	105	3	5,2	5,5	10,5	11
99012-0806	8 / 6	15,5	12	135	3	6,8	7,5	13,5	17
99012-1008	10 / 8	17	15	180	3,2	9	9	18	18
99012-1109	11,6 / 9	17,5	16,5	194	3,4	10,5	10	19,4	19

Tube cutter

- For compressed-air tubes with outer-ø 14 mm
- Material plastic black / steel
- Packaging unit 1 piece



Part no.

g/piece

99605-0014	Tube cutter for outer diameter up to 14	30
99605-00149	Spare blade for outer diameter up to 14	1

Tube cutter



- For compressed-air tubes with outer- \varnothing 22 mm
- Material zinc die-casting / steel
- Packaging unit 1 piece

Part no.

g/piece

99606-0022	Tube cutter for outer diameter up to 22 (with bag)	240
99606-00229	Spare blade for outer diameter up to 22	2

Article No.	Page	Article No.	Page	Article No.	Page
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99001-0307	11	99007-1004	13	99221-0425	12
99001-0310	11	99007-1206	13	99221-0604	12
99001-0315	11	99007-1408	13	99221-0806	12
99001-0335	11	99007-1509	13	99221-0906	12
99001-0402	11	99007-1610	13	99221-1007	12
99001-0503	11	99007-2013	13	99221-1209	12
99001-0604	11	99007-2112	13	99221-1210	12
99001-0805	11	99007-260190	13	99221-1412	12
99001-0806	11	99007-2619	13	99221-1614	12
99001-0906	11	99008-1209	15	99401-0402	12
99001-1008	11	99009-0704	13	99401-0604	12
99001-1209	11	99009-0906	13	99401-0806	12
99001-1210	11	99009-1209	13	99401-1008	12
99001-1411	11	99012-0503	15	99401-1210	12
99001-1613	11	99012-0604	15	99501-0402	11
99001-4303	11	99012-0806	15	99501-0503	11
99002-0402	14	99012-1008	15	99501-0604	11
99002-0425	14	99012-1109	15	99501-0806	11
99002-0604	14	99118-0201	10	99501-0906	11
99002-0806	14	99118-0302	10	99501-1008	11
99002-1008	14	99118-0402	10	99501-1209	11
99002-4303	14	99118-0603	10	99503-402504	14
99003-0402	8	99118-0604	10	99503-405004	14
99003-0425	8	99118-0804	10	99503-502506	14
99003-0503	8	99118-0855	10	99503-505006	14
99003-0604	8	99118-1006	10	99505-602504	14
99003-0806	8	99118-1208	10	99505-605004	14
99003-1008	8	99118-1410	10	99505-802506	14
99003-1208	8	99118-1611	10	99505-805006	14
99003-1209	8	99118-2014	10	99505-905009	14
99003-1411	8	99118-2781	10	99605-0014	15
99003-1611	8	99118-3902	10	99605-00149	15
99003-4303	8	99118-4303	10	99606-0022	16
99004-0402	7	99118-6343	10	99606-00229	16
99004-0503	7	99118-7904	10		
99004-0604	7	99118-7955	10		
99004-0806	7	99118-9563	10		
99004-1008	7	99150-0425	8		
99004-1209	7	99150-0604	8		
99004-1210	7	99150-0806	8		
99004-1411	7	99150-1007	8		
99004-1512	7	99150-1208	8		
99004-1613	7	99150-1410	8		
99004-4303	7	99150-1611	8		
99005-0402	7	99150-2014	8		
99005-0503	7	99150-2785	8		
99005-0604	7	99150-3925	8		
99005-0805	7	99150-5908	8		
99005-0806	7	99150-6341	8		
99005-0906	7	99150-7906	8		
99005-1008	7	99150-9565	8		
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99006-0806	13	99151-3925	9		
99006-1008	13	99151-5908	9		
99006-1109	13	99151-6341	9		
99006-1210	13	99151-7906	9		
99006-1512	13	99151-9565	9		

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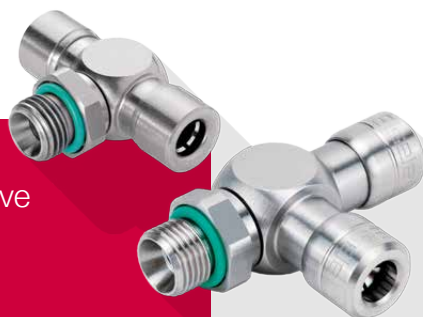




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