

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. Since 2014 Eisele is certified regarding the international economic standard DIN EN ISO 14001:2015.

PREMIUM QUALITY 
MADE IN GERMANY

From EISELE connection components you may expect:

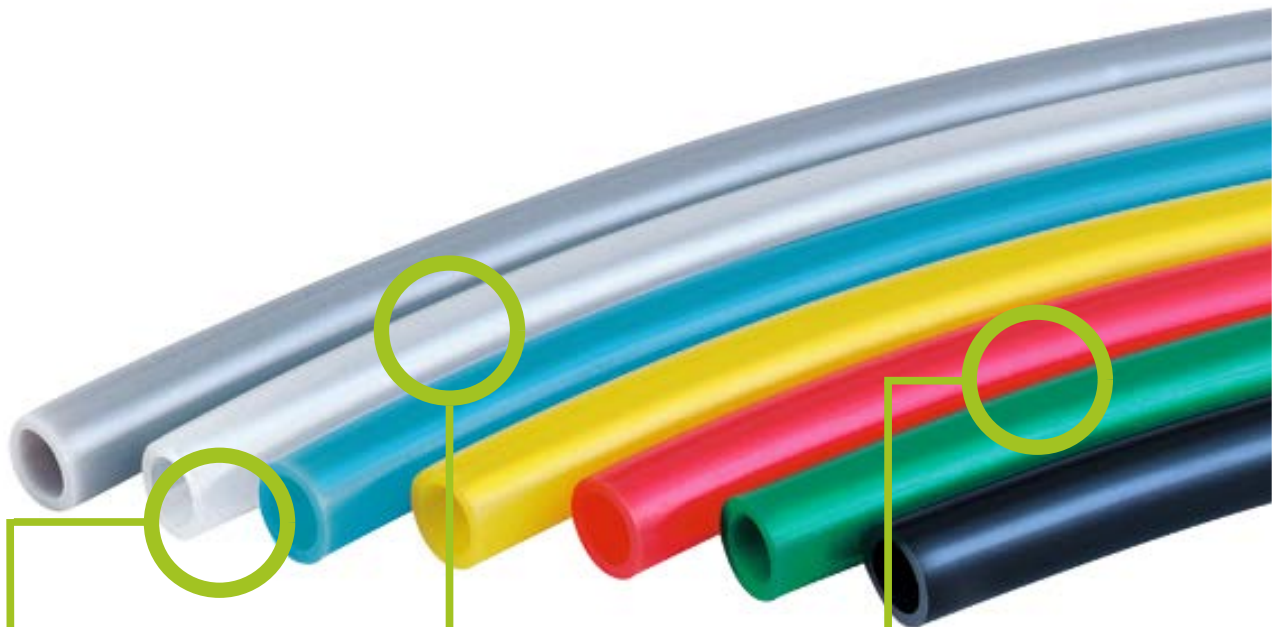
- + Highest tightness and safety
- + Ruggedness and long lifetimes
- + Vacuum-compatible products
- + Easy mounting and disassembly
- + Individual solutions for a broad range of applications



Plastic tubes made of		Page
EISELE PLASTICTUBES		PE (Polyethylene) 7
		PA (Polyamide) 7
		PU (Polyester-Polyurethan) 8
		Eisele Hydro (Polyether-Polyurethane) 8
		Eisele Hydro - translucent (Polyether-Polyurethane) 9
		Eisele ProWeld (Polyether-Polyurethane) 10
		PTFE (Polytetrafluorethylene) 11
		FEP (Fluorethylenpropylene) 11
		PFA (Perfluoralkoxyalkane) 12
		PVDF (Polyvinylidene fluoride) 12
		PVC-with fabric lining (Polyvinylchloride) 13
		NBR with metal braiding (Nitril-Butadien-rubber) 13
		Double compressed-air tube 14
		Accessories 15
	Index 17	

Plastic tubes

99



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

Tube types	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.

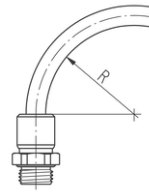
Example:

- 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

- 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

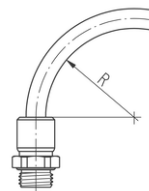


Part no.*	Outside Ø / Inside Ø	Maximum allowable working pressure at 73°F (23°C) (reference value)	min. allowable bend radius	g/m
99004-0402	4 / 2	20 bar (290,1 psi)	20	8,7
99004-4303	4,3 / 3	13 bar (188,5 psi)	20	6,9
99004-0503	5 / 3	15 bar (217,6 psi)	25	11,6
99004-0604	6 / 4	13 bar (188,5 psi)	30	14,5
99004-0806	8 / 6	8 bar (116 psi)	40	20,3
99004-1008	10 / 8	6 bar (87 psi)	60	26
99004-1209	12 / 9	9 bar (130,5 psi)	60	45,6
99004-1210	12 / 10	5 bar (72,5 psi)	85	31,9
99004-1411	14 / 11	8 bar (116 psi)	90	54,3
99004-1512	15 / 12	7 bar (101,5 psi)	90	58,7
99004-1613	16 / 13	6 bar (87 psi)	90	63

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

Plastic tube PA

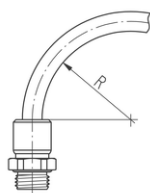
- Made of polyamide (PA)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range: -76 to 212 °F (-60 to +100 °C)
- Suitable for vacuum
- Free of PWIS 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	3 / 1,7	105 bar (1522,9 psi)	-	20	4,9
99005-0402	4 / 2	145 bar (2103 psi)	82 bar (1189,3 psi)	20	9,7
99005-4303	4,3 / 3	76 bar (1102,3 psi)	43 bar (623,7 psi)	20	7,7
99005-0503	5 / 3	112 bar (1624,4 psi)	64 bar (928,2 psi)	25	12,9
99005-0604	6 / 4	89 bar (1290,8 psi)	51 bar (739,7 psi)	30	16,2
99005-0805	8 / 5	93 bar (1348,9 psi)	53 bar (768,7 psi)	40	31,5
99005-0806	8 / 6	63 bar (913,7 psi)	36 bar (522,1 psi)	40	22,7
99005-0906	9 / 6	89 bar (1290,8 psi)	51 bar (739,7 psi)	45	36,1
99005-1008	10 / 8	49,5 bar (717,9 psi)	28 bar (406,1 psi)	60	29,1
99005-1209	12 / 9	63 bar (913,7 psi)	36 bar (522,1 psi)	60	51
99005-1210	12 / 10	39,5 bar (572,9 psi)	22,5 bar (326,3 psi)	85	35,6
99005-1411	14 / 11	53 bar (768,7 psi)	30 bar (435,1 psi)	80	60,7
99005-1512	15 / 12	49,5 bar (717,9 psi)	28 bar (406,1 psi)	90	65,5
99005-1613	16 / 13	46 bar (667,2 psi)	26 bar (377,1 psi)	90	70,4
99005-1814	18 / 14	51 bar (739,7 psi)	29 bar (420,6 psi)	100	103,5
99005-2016	20 / 16	49 bar (710,7 psi)	28 bar (406,1 psi)	120	116,5

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

Plastic tube PU

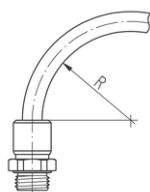


- Made of polyester-polyurethane (PU)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range: -31 to 158 °F (-35 to +70 °C)
- Free of plasticizers, PWIS, 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	45 bar (652,7 psi)	24 bar (348,1 psi)	10	10
99003-0425	4 / 2,5	39 bar (565,6 psi)	23 bar (333,6 psi)	13	10
99003-4303	4,3 / 2,9	36 bar (522,1 psi)	22 bar (319,1 psi)	14	10
99003-0503	5 / 3,1	45 bar (652,7 psi)	23 bar (333,6 psi)	12	16
99003-0604	6 / 3,9	36 bar (522,1 psi)	23 bar (333,6 psi)	20	22
99003-0806	8 / 5,7	32 bar (464,1 psi)	20 bar (290,1 psi)	35	32
99003-1008	10 / 7,5	28 bar (406,1 psi)	16 bar (232,1 psi)	50	42
99003-1208	12 / 8	42 bar (609,2 psi)	26 bar (377,1 psi)	50	78
99003-1209	12 / 9	29 bar (420,6 psi)	17 bar (246,6 psi)	55	62
99003-1411	14 / 11	23 bar (333,6 psi)	15 bar (217,6 psi)	70	75
99003-1611	16 / 11	32 bar (464,1 psi)	21 bar (304,6 psi)	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

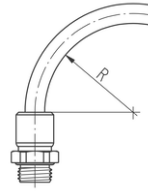
Artikel-Nr.*	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99150-0425	4 / 2,5	33 bar (478,6 psi)	16 bar (232,1 psi)	10	8,5
99150-3925	5/32" (4/2,5)	33 bar (478,6 psi)	16 bar (232,1 psi)	10	8,5
99150-0604	6 / 4	32 bar (464,1 psi)	15 bar (217,6 psi)	10	18,3
99150-6341	1/4" (6,35/4,1)	32 bar (464,1 psi)	15,5 bar (224,8 psi)	10	22
99150-0806	8 / 6	27 bar (391,6 psi)	13 bar (188,5 psi)	21	28,7
99150-7906	5/16" (8/6)	27 bar (391,6 psi)	13 bar (188,5 psi)	21	28,7
99150-9565	3/8" (9,53/6,5)	28 bar (406,1 psi)	13,5 bar (195,8 psi)	25	46
99150-1007	10 / 7	28 bar (406,1 psi)	13 bar (188,5 psi)	28	46,5
99150-1208	12 / 8	32 bar (464,1 psi)	16 bar (232,1 psi)	33	72,9
99150-2785	1/2" (12,7/8,5)	29 bar (420,6 psi)	15,5 bar (224,8 psi)	23	84
99150-1410	14 / 10	27,1 bar (393,1 psi)	13,2 bar (191,4 psi)	33	72,9
99150-5908	5/8" (15,9/10,8)	30 bar (435,1 psi)	14,5 bar (210,3 psi)	38	133
99150-1611	16 / 11	30 bar (435,1 psi)	14 bar (203,1 psi)	38	123
99150-2014	20 / 14	28,8 bar (417,7 psi)	14 bar (203,1 psi)	-	ca. 187

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

Plastic tube Eisele Hydro | translucent

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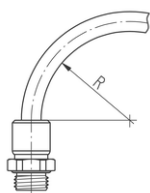
- Made of polyether-polyurethane (PU-H)
- Color transparent: natural, red, blue
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140 °F (-35 to +60 °C)
- Free of halogen, plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant 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	33 bar (478,6 psi)	16 bar (232,1 psi)	10	8,5
99151-3925	5/32" (4/2,5)	33 bar (478,6 psi)	16 bar (232,1 psi)	10	8,5
99151-0604	6 / 4	32 bar (464,1 psi)	15 bar (217,6 psi)	10	18,3
99151-6341	1/4" (6,35/4,1)	32 bar (464,1 psi)	15,5 bar (224,8 psi)	10	22
99151-0806	8 / 6	27 bar (391,6 psi)	13 bar (188,5 psi)	21	28,7
99151-7906	5/16" (8/6)	27 bar (391,6 psi)	13 bar (188,5 psi)	21	28,7
99151-9565	3/8" (9,53/6,5)	28 bar (406,1 psi)	13,5 bar (195,8 psi)	25	46
99151-1007	10 / 7	28 bar (406,1 psi)	13 bar (188,5 psi)	28	46,5
99151-1208	12 / 8	32 bar (464,1 psi)	16 bar (232,1 psi)	33	72,9
99151-2785	1/2" (12,7/8,5)	29 bar (420,6 psi)	15,5 bar (224,8 psi)	23	84
99151-1410	14 / 10	27,1 bar (393,1 psi)	13,2 bar (191,4 psi)	33	72,9
99151-5908	5/8" (15,9/10,8)	30 bar (435,1 psi)	14,5 bar (210,3 psi)	38	133
99151-1611	16 / 11	30 bar (435,1 psi)	14 bar (203,1 psi)	38	123
99151-2014	20 / 14	28,8 bar (417,7 psi)	14 bar (203,1 psi)	-	ca. 187

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

Plastic tube Eisele ProWeld



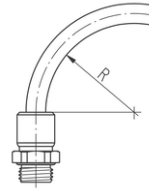
- Made of polyether-polyurethane
- Color black (red, blue, green, white)
- External calibration; for use with Eisele plug connectors
- Operating temperature: -31 to 194 °F (-35 to +90 °C)
- Suitable for compressed air, water
- Free of plasticizers, PWIS, halogen, copper and PTFE
- Impervious to buckling 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	35 bar (507,6 psi)	-	-	-
99118-0302	3 / 2	45 bar (652,7 psi)	-	-	-
99118-0402	4 / 2	57 bar (826,7 psi)	40 bar (580,2 psi)	6,5	12,2
99118-3902	5/32" (4/2)	57 bar (826,7 psi)	40 bar (580,2 psi)	10	12,2
99118-4303	4,3/3	38 bar (551,1 psi)	-	-	-
99118-0603	6 / 3	57 bar (826,7 psi)	40 bar (580,2 psi)	8,5	27,5
99118-0604	6 / 4	40 bar (580,2 psi)	22 bar (319,1 psi)	12	22
99118-6343	1/4" (6,35/4,32)	41 bar (594,7 psi)	-	-	-
99118-0804	8 / 4	63 bar (913,7 psi)	37 bar (536,6 psi)	10	48,3
99118-7904	5/16" (8/4)	63 bar (913,7 psi)	37 bar (536,6 psi)	10	48,3
99118-0855	8 / 5,5	34 bar (493,1 psi)	18 bar (261,1 psi)	18	32,5
99118-7955	5/16" (8/5,5)	34 bar (493,1 psi)	18 bar (261,1 psi)	21	32,5
99118-9563	3/8" (9,53/6,35)	43 bar (623,7 psi)	-	-	-
99118-1006	10 / 6	49 bar (710,7 psi)	28 bar (406,1 psi)	15	64,5
99118-1208	12 / 8	34 bar (493,1 psi)	21 bar (304,6 psi)	24	80,8
99118-2781	1/2" (12,7/8,13)	47 bar (681,7 psi)	-	-	-
99118-1410	14 / 10	33 bar (478,6 psi)	18 bar (261,1 psi)	38	97,8
99118-1611	16 / 11	37 bar (536,6 psi)	19 bar (275,6 psi)	44	136,9
99118-2014	20 / 14	35 bar (507,6 psi)	ca. 16 bar (232,1 psi)	70	ca. 200

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

Plastic tube PTFE

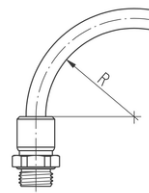
- Made of polytetrafluoroethylene (PTFE, Teflon)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range: -310 to 500 °F (-190 to +260 °C)
- Free of plasticizers, PWIS and copper
- Resistant to UV and solvents
- FDA compliant according to 21 CFR 177.2600
- Flame-retardant 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	20 bar (290,1 psi)	17,5 bar (253,8 psi)	35	-
99001-0305	3 / 0,5	-	-	-	-
99001-0307	3 / 0,7	-	-	-	-
99001-0310	3 / 1	-	-	-	-
99001-0315	3 / 1,5	15 bar (217,6 psi)	13 bar (188,5 psi)	25	-
99001-0402	4 / 2	80 bar (1160,3 psi)	69 bar (1000,8 psi)	16	20,3
99001-4303	4,3 / 3	36 bar (522,1 psi)	21 bar (304,6 psi)	35	16,1
99001-0503	5 / 3	60 bar (870,2 psi)	52 bar (754,2 psi)	25	27,1
99001-0604	6 / 4	48 bar (696,2 psi)	31 bar (449,6 psi)	35	33,8
99001-0805	8 / 5	56 bar (812,2 psi)	48 bar (696,2 psi)	-	-
99001-0806	8 / 6	36 bar (522,1 psi)	31 bar (449,6 psi)	65	47,3
99001-0906	9 / 6	48 bar (696,2 psi)	31 bar (449,6 psi)	55	76
99001-1008	10 / 8	28 bar (406,1 psi)	24 bar (348,1 psi)	100	60,8
99001-1209	12 / 9	40 bar (580,2 psi)	34 bar (493,1 psi)	100	106,4
99001-1210	12 / 10	21 bar (304,6 psi)	18 bar (261,1 psi)	100	-
99001-1411	14 / 11	28 bar (406,1 psi)	18 bar (261,1 psi)	140	126,7
99001-1613	16 / 13	24 bar (348,1 psi)	21 bar (304,6 psi)	175	152

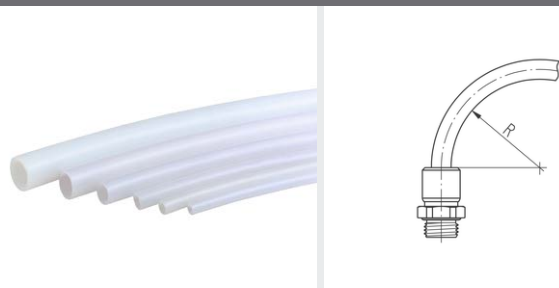
Plastic tube FEP

- 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	84 bar (1218,3 psi)	70 bar (1015,3 psi)	25	21
99501-0503	5 / 3	60 bar (870,2 psi)	52 bar (754,2 psi)	35	28
99501-0604	6 / 4	50 bar (725,2 psi)	40 bar (580,2 psi)	40	35
99501-0806	8 / 6	36 bar (522,1 psi)	29 bar (420,6 psi)	65	49
99501-0906	9 / 6	-	-	55	79
99501-1008	10 / 8	28 bar (406,1 psi)	22 bar (319,1 psi)	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	61 bar (884,7 psi)	50 bar (725,2 psi)	25	12
99221-3925	5/32" (4/2,5)	61 bar (884,7 psi)	50 bar (725,2 psi)	25	12
99221-0403	4 / 3	41 bar (594,7 psi)	34 bar (493,1 psi)	35	12
99221-0604	6 / 4	54 bar (783,2 psi)	44 bar (638,2 psi)	40	34
99221-6339	1/4" (6,35/3,9)	61 bar (884,7 psi)	50 bar (725,2 psi)	40	34
99221-0806	8 / 6	41 bar (594,7 psi)	34 bar (493,1 psi)	70	49
99221-7906	5/16 (8/6)	41 bar (594,7 psi)	34 bar (493,1 psi)	70	49
99221-0906	9 / 6	54 bar (783,2 psi)	44 bar (638,2 psi)	65	49
99221-9563	3/8" (9,53/6,38)	53 bar (768,7 psi)	42 bar (609,2 psi)	65	49
99221-1007	10 / 7	59 bar (855,7 psi)	40 bar (580,2 psi)	75	87
99221-1209	12 / 9	41 bar (594,7 psi)	34 bar (493,1 psi)	100	125
99221-1210	12 / 10	27 bar (391,6 psi)	22 bar (319,1 psi)	150	-
99221-1412	14 / 12	23 bar (333,6 psi)	17 bar (246,6 psi)	-	-
99221-1614	16 / 14	20 bar (290,1 psi)	15 bar (217,6 psi)	-	-
99221-2795	1/2" (12,7/8,5)	40 bar (580,2 psi)	33 bar (478,6 psi)	110	125

Plastic tube PVDF

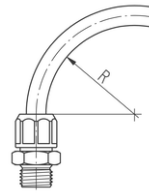


- Made of Polyvinylidene fluoride (PVDF)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range: -40 to +150 °C (-40 to 302 °F)
- Resistant to UV
- Non flammable (according to UL94 V-0)
- Resistant to a wide range of chemicals
- Low gas permeability

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	166 bar (2407,6 psi)	60	17
99401-0604	6 / 4	100 bar (1450,4 psi)	75	28
99401-0806	8 / 6	71 bar (1029,8 psi)	85	39
99401-1008	10 / 8	55 bar (797,7 psi)	100	50
99401-1210	12 / 10	45 bar (652,7 psi)	125	62

Plastic tube PVC | fiber-reinforced

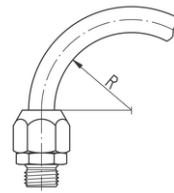
- Made of polyvinylchloride (PVC), fiber-reinforced
- Color blue, other colors on request
- Usable for screw joints of program 10
- Temperature range 14 to 140 °F (-10 to +60 °C)



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	140 bar (2030,5 psi)	98 bar (1421,4 psi)	50	19,5
99006-0806	8,2 / 6	122 bar (1769,5 psi)	84 bar (1218,3 psi)	60	32,7
99006-1008	10 / 8	122 bar (1769,5 psi)	84 bar (1218,3 psi)	65	40,5
99006-1109	11,6 / 9	105 bar (1522,9 psi)	77 bar (1116,8 psi)	70	51,8
99006-1210	12,5 / 10	98 bar (1421,4 psi)	70 bar (1015,3 psi)	80	51,9
99006-1512	15 / 12,5	98 bar (1421,4 psi)	70 bar (1015,3 psi)	100	69,3
99006-1713	17,6 / 13	98 bar (1421,4 psi)	70 bar (1015,3 psi)	100	140,1

Compressed-air tube PVC fabric lining

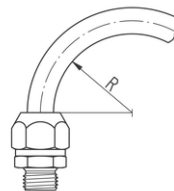
- Made of polyvinylchloride (PVC) with fabric lining
- Color green-transparent
- Usable for screw joints and spigots
- Temperature range 14 to 140 °F (-10 to +60 °C)



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	92 bar (1334,3 psi)	56 bar (812,2 psi)	15	76,9
99007-1206	12 / 6	80 bar (1160,3 psi)	48 bar (696,2 psi)	25	98,7
99007-1408	14 / 8	72 bar (1044,3 psi)	44 bar (638,2 psi)	30	114,1
99007-1509	15 / 9	64 bar (928,2 psi)	40 bar (580,2 psi)	35	132,8
99007-1610	16 / 10	56 bar (812,2 psi)	36 bar (522,1 psi)	40	146,6
99007-2112	21 / 12	56 bar (812,2 psi)	36 bar (522,1 psi)	70	274,8
99007-2013	20 / 13	48 bar (696,2 psi)	28 bar (406,1 psi)	55	207,3
99007-2619	26,8 / 19,4	40 bar (580,2 psi)	24 bar (348,1 psi)	130	-
99007-260190	26 / 19	40 bar (580,2 psi)	24 bar (348,1 psi)	130	-

Plastic tube NBR with metal braiding

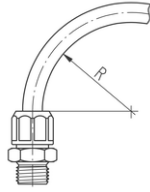
- Made of Perbunan (NBR) with metal braiding
- Color silver
- Usable for screw joints
- Temperature range -4 to 212°F (-20 to +100 °C)
- Usable with commercial fuels such as oil, diesel, gasoline, heating oil as well as water and air



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	20 bar	70	82
99009-0906	9 / 6	15 bar	80	117,4
99009-1209	12 / 9	10 bar	90	173

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

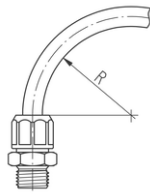
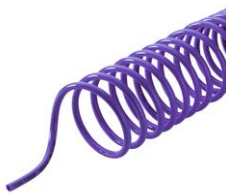
Double compressed-air tube PU



- 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	21 bar	10	23
99002-0425	4 / 2,5	12 bar	10	19
99002-0604	6 / 4	14 bar	30	42,8
99002-0806	8 / 6	12 bar	45	60,4
99002-1008	10 / 8	10 bar	60	78
99002-4303	4,3 / 3	12 bar	15	19,4

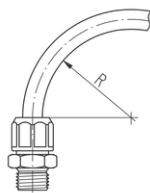
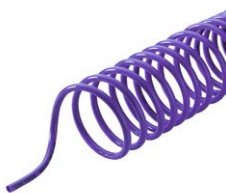
Spring coil PU



- 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	8 bar	30	2500	40	86
99503-405004	6 / 4	8 bar	30	5000	40	172
99503-502506	8 / 6	7 bar	45	2500	50	121
99503-505006	8 / 6	7 bar	45	5000	50	242

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	15 bar	40	2500	60	81
99505-605004	6 / 4	15 bar	40	5000	60	162
99505-802506	8 / 6	12 bar	55	2500	80	114
99505-805006	8 / 6	12 bar	55	5000	80	227
99505-905009	12 / 9	10 bar	55	5000	90	510

Tube bundling spiral

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



Part no.

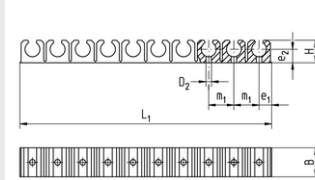
g/m

99008-1209

50,1

Seal retaining strip (for tubes)

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



Part no.

Number of
tubes

for
tube

B

H

L1

D2

e1

e2

m1

g/piece

99012-0503

10

5 / 3

13,5

9

96

2,5

4,3

6

9,7

11

99012-0604

10

6 / 4

13,5

9

105

3

5,2

5,5

10,5

11

99012-0806

10

8 / 6

15,5

12

135

3

6,8

7,5

13,5

17

99012-1008

6

10 / 8

17

15

180

3,2

9

9

18

18

99012-1109

6

11,6
/ 9

17,5

16,5

194

3,4

10,5

10

19,4

19

Tube cutter

- For compressed-air tubes with outer- \varnothing 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
99001-0305	11	99006-1713	13	99221-0403	12
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		
99005-1209	7	99151-0425	9		
99005-1210	7	99151-0604	9		
99005-1411	7	99151-0806	9		
99005-1512	7	99151-1007	9		
99005-1613	7	99151-1208	9		
99005-1814	7	99151-1410	9		
99005-2016	7	99151-1611	9		
99005-4303	7	99151-2014	9		
99006-0604	13	99151-2785	9		
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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