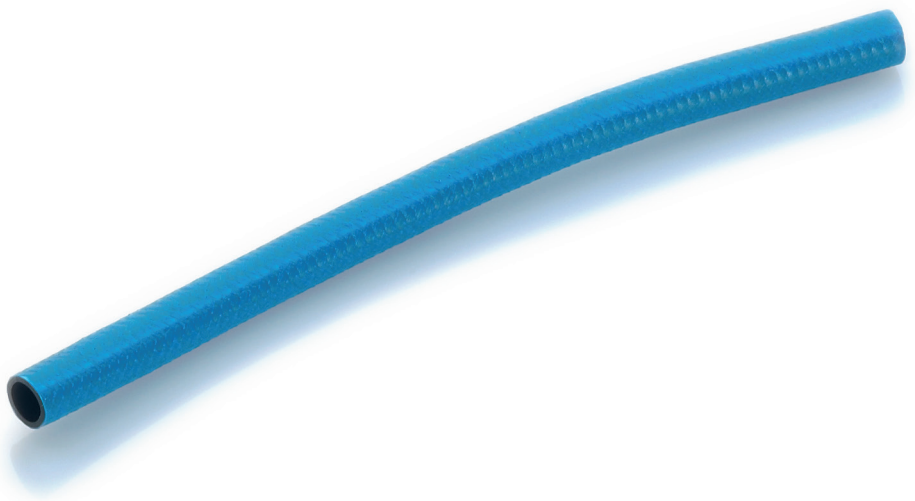
Schläuche
Tubes
Tubi



Features Features Caratteristiche

- Verschiedene Materialien für unterschiedliche Anwendungen
- breite Farbpalette
  (z.B. zur Kennzeichnung unterschiedlicher Medien)
- Rollenlängen 25 m, 50 m und 100 m

- Various materials for different applications
- Broad range of colours (e.g. for identifying different mediums)
- Roll lengths 25 m, 50 m and 100 m

- Varietà dei materiali per una vasta tipologia di applicazioni
- Ampia gamma di colori (ad es. per identificare fluidi differenti)
- Lunghezze rotoli 25 mt., 50 mt. e 100 mt.

Schläuche Tubes Tubi

Technische Daten PA-Polyamid

flexibel
gut zu verlegen
geringes Gewicht
gute UV-Beständigkeit

hoher Abriebwiderstand
wasserunempfindlich
gute Temperaturbeständigkeit

Betriebstemperatur	-40 °C bis +90 °C								
Betriebsdruck	siehe Angaben in den Artikeltabellen abhängig von der Temperatur – siehe Druckausnutzungsgrad (Richtwert) in %								
Temp-Bereich	-60 °C bis + 23 °C	+30 °C	+40 °C	+50 °C	60 °C	+70 °C	+80 °C	+90 °C	+100 °C
Ausnutzungsgrad	100 %	87 %	74 %	64 %	57 %	52 %	47 %	44 %	36 %
Beispiel: PA 8/6 – Druck 19 bar – bei 50 °C nur noch zu 64 % = 12 bar									
Toleranzen	4-8 mm: ±0,1 mm außen ±0,2 mm innen			10-22 mm: ±0,15 mm außen ±0,3 mm innen					
Einsatzgebiete	Druckluftbremsen, Pneumatik,Hydraulik Kraftstoffzuleitungen nach DIN 73378 bzw. in schwarz nach LT DIN 74324				oberhalb von +80 °C wird die LT-Ausführung empfohlen				

Technical Data PA-Polyamide

Flexible
Easy to lay
Low weight
Good UV resistance

High abrasion resistance
Water-resistant
Good temperature resistance

Operating temperature	-40 °C to +90 °C								
Operating pressure	See data in the article tables Dependent on the temperature – see pressure utilisation (guide value) in %								
Temp range	-60 °C to + 23 °C	+30 °C	+40 °C	+50 °C	60 °C	+70 °C	+80 °C	+90 °C	+100 °C
Utilisation	100 %	87 %	74 %	64 %	57 %	52 %	47 %	44 %	36 %
Example: PA 8/6 – pressure 19 bar – at 50 °C only up to 64 % = 12 bar									
Tolerances	4-8 mm: ±0,1 mm external ±0,2 mm internal			10-22 mm: ±0,15 mm external ±0,3 mm internal					
Applications	Compressed air brakes, pneumatics, hydraulics, fuel supplies in line with DIN 73378 or in black in line with LT DIN 74324				The LT design is recommended above +80 °C				

Dati tecnici PA-Poliammide (PA 12)

Buona flessibilita`
Elevata resistenza meccanica alla trazione ed alla flessione
Elevata resistenza all'abrasione

Resistente all'invecchiamento
Basso assorbimento d´acqua
Buona resistenza termica

Temperatura di esercizio	-40 °C a +90 °C								
Pressione di esercizio	vedi dati nelle schede prodotto in funzione della temperatura – vedi grado di utilizzazione pressione (valore indicativo) in %								
Range di temperatura	-60 °C a + 23 °C	+30 °C	+40 °C	+50 °C	60 °C	+70 °C	+80 °C	+90 °C	+100 °C
Grado di utilizzo	100 %	87 %	74 %	64 %	57 %	52 %	47 %	44 %	36 %
Esempio PA 8/6 – Pressione 19 bar – a 50 °C solo fino al 64 % - 12 bar									
Tolleranze	4-8 mm: ±0,1 mm esterno ±0,2 mm interno			10-22 mm: ±0,15 mm esterno ±0,3 mm interno					
Campi d'impiego	freni ad aria compressa, automazione pneumatica, idraulica, tubazioni di alimen-tazione carburante a norma DIN 73378 e/o in nero conforme a LT DIN 74324				Oltre +80 °C si raccomanda la versione LT				

Technische Daten PU-Polyurethan

klassischer Pneumatikschlauch auf Polyesterbasis hohe Druckbeständigkeit gutes Alterungsverhalten flexibel			gutes Rückstellvermögen hohe Reißfestigkeit hohe Abriebfestigkeit gute Kälteflexibilität	
Betriebstemperatur	-35 °C bis +60 °C			
Betriebsdruck	siehe Angaben in den Artikeltabellen, abhängig von der Temperatur			
Toleranzen	4-10 mm:	±0,1 mm außen ±0,1 mm innen	12-15 mm:	±0,15 mm außen ±0,2 mm innen
Einsatzgebiete	Pneumatik		beständig gegen aliphatische Kohlenwasserstoffe und viele Schmieröle alterungsbeständig in Sauerstoff und Ozon, Schleppkettentauglich **Hinweis:** PU-Schläuche sollten nicht in direktem Kontakt zu Elektrokabeln stehen, da sich hier verwendete Flammschutzmittel nachteilig auf das PU-Material auswirken.	

Technical Data PU-Polyurethane

Classic pneumatic tube on polyester basis High pressure-resistance Good aging characteristics Flexible			Good resilience Good tear resistance High abrasion resistance Good cold flexibility	
Operating temperature	-35 °C to +60 °C			
Operating pressure	See data in the article tables			
Tolerances	4-10 mm:	±0,1 mm external ±0,1 mm internal	12-15 mm:	±0,15 mm external ±0,2 mm internal
Applications	Pneumatics		Dependent on the temperature Resistant to aliphatic hydrocarbons and many lubricating oils, non-ageing in oxygen and ozone, drag chain-suitable **Note:** PU tubes should not come into direct contact with electric cables as flame retardants used here have detrimental effects on the PU material.	

Dati tecnici PU - Poliuretano (98 Sh)

Elevata resistenza alla pressione Buona resistenza all'invecchiamento Buona resilienza			Elevata resistenza a trazione Elevata resistenza all'abrasione Elevata flessibilità alle basse temperature	
Temperatura di esercizio	-35 °C a +60 °C			
Pressione di esercizio	vedi dati nelle schede prodotto			
Tolleranze	4-10 mm:	±0,1 mm esterno ±0,1 mm interno	12-15 mm:	±0,15 mm esterno ±0,2 mm interno
Campi d'impiego	Automazione Pneumatica		Resistente agli idrocarburi alifatici ed a molti oli lubrificanti, resistente all'invecchiamento in presenza di ossigeno e ozono, adatto per catene portacavi **Avvertenza:** i tubi PU non devono stare a contatto diretto con cavi elettrici, in quanto i materiali ignifughi utilizzati potrebbero avere effetti negativi sul poliuretano.	

Technische Daten Pe-Polyurethylen

geringes Gewicht
gute Schlagfestigkeit
weitgehend beständig gegen Säuren, Laugen und Salzlösungen

Betriebstemperatur	-10 °C bis +40 °C
Betriebsdruck	siehe Angaben in den Artikeltabellen, abhängig von der Temperatur
Toleranzen	4-10 mm: ±0,1 mm außen ±0,1 mm innen
Einsatzgebiete	Mess- und Regeltechnik, Steuerleitung, Apparatebau, Föderleitung im Lebensmittelbereich

Technical Data Pe-Polyurethylene

Low weight
Good shock resistance
Largely resistant to acids, alkalis and saline solutions

Operating temperature	-10 °C to +40 °C
Operating pressure	See data in the article tables
Tolerances	4-10 mm: ±0,1 mm external ±0,1 mm internal
Applications	Measuring and control technology, control lines, apparatus engineering, food conveyor lines

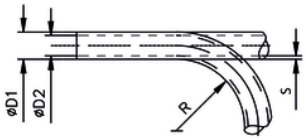
Dati tecnici PE-Polietilene

peso specifico contenuto
uona resistenza agli urti notevole
resistenza ad acidi, agli alcali e alle soluzioni saline

Temperatura di esercizio	-10 °C a +40 °C
Pressione di esercizio	In funzione della temperatura, vedasi tabella in dettaglio
Tolleranze	4-10 mm: ±0,1 mm esterno ±0,1 mm interno
Campi d'impiego	Linee ed impianti per il controllo e la gestione della misura, robotica, impianti per la movimentazione degli alimenti

PA12 Schläuche aus Polyamid

Farbe: natur
Polyamide PA12 tubes, natural colour
Tubo in Poliammide - PA12 neutro

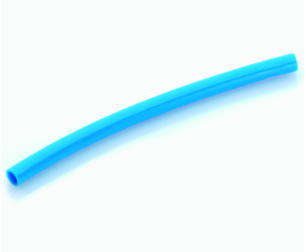


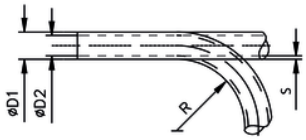
ITV	ØD1	ØD2	S	R	P
420006	3	1,7	0,65	15	35
420008	4	2,7	0,65	20	20
420007	4,3	3	0,85	20	20
420009	4	2	1	20	45
420010	5	3	1	25	35
420011	6	4	1	30	27
420013	8	6	1	50	19
420014	8	5	1,5	40	30
420016	10	8	1	60	15
420017	10	7	1,5	50	24
420019	12	10	1	85	12
420020	12	9	1,5	60	19
420023	14	11	1,5	80	16
420024	15	12	1,5	90	12

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PA12 Schläuche aus Polyamid

Farbe: blau
Polyamide PA12 tubes, blue colour
Tubo in poliammide - PA12 azzurro



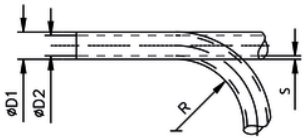


ITV	ØD1	ØD2	S	R	P
420106	3	1,7	0,65	15	35
420108	4	2,7	0,65	20	20
420109	4	2	1	20	45
420110	5	3	1	25	35
420111	6	4	1	30	27
420113	8	6	1	50	19
420114	8	5	1,5	40	30
420116	10	8	1	60	15
420117	10	7	1,5	50	24
420119	12	10	1	85	12
420120	12	9	1,5	60	19
420123	14	11	1,5	80	16
420124	15	12	1,5	90	12

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PA12 Schläuche aus Polyamid

Farbe: schwarz
Polyamide PA12 trubes, black colour
Tubo in poliammide - PA12 nero

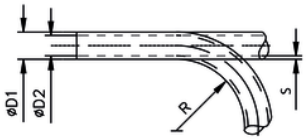


ITV	ØD1	ØD2	S	R	P
420208	4	2,7	0,65	20	20
420209	4	2	1	20	45
420210	5	3	1	25	35
420211	6	4	1	30	27
420213	8	6	1	50	19
420216	10	8	1	60	15
420219	12	10	1	85	12
420220	12	9	1,5	60	19
420223	14	11	1,5	80	16
420224	15	12	1,5	90	12
420227	18	14	2	120	16
420228	22	18	2	150	13

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PA12 Schläuche aus Polyamid

Farbe: gelb
Polyamide PA12 trubes, yellow colour
Tubo in poliammide - PA12 giallo

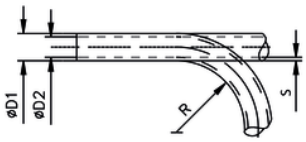


ITV	ØD1	ØD2	S	R	P
420408	4	2,7	0,65	20	20
420409	4	2	1	20	45
420410	5	3	1	25	35
420411	6	4	1	30	27
420413	8	6	1	50	19

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PA12 Schläuche aus Polyamid

Farbe: rot
Polyamide PA12 trubes, red colour
Tubo in poliammide - PA12 rosso

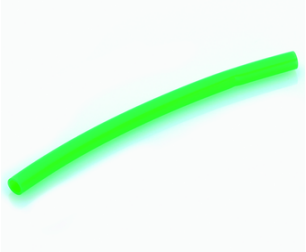


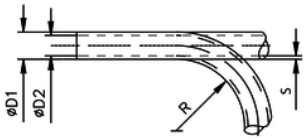
ITV	ØD1	ØD2	S	R	P
420308	4	2,7	0,65	20	20
420309	4	2	1	20	45
420310	5	3	1	25	35
420311	6	4	1	30	27
420313	8	6	1	50	19
420316	10	8	1	60	15

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PA12 Schläuche aus Polyamid

Farbe: grün
Polyamide PA12 trubes, green colour
Tubo in poliammide - PA12 verde



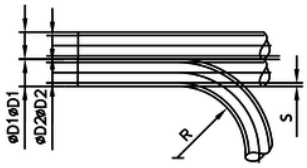


ITV	ØD1	ØD2	S	R	P
420608	4	2,7	0,65	20	20
420609	4	2	1	20	45
420610	5	3	1	25	35
420611	6	4	1	30	27
420613	8	6	1	50	19
420616	10	8	1	60	15

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU-DUO

Polyurethanschläuche 2-fach, Farbe: blau/schwarz
Double polyurethane tube, blue/black colour
Tubo in poliuretano accoppiato - nero azzurro

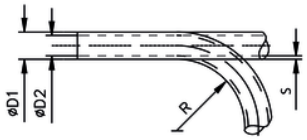


ITV	ØD1	ØD2	S	R	P
425109	4	2,5	0,75	12	12
425111	6	4	1,05	18	13
425113	8	6	1,15	30	12
425116	10	8	1,25	45	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: natur
Polyurethane tube, natural colour
Tubo in poliuretano - neutro

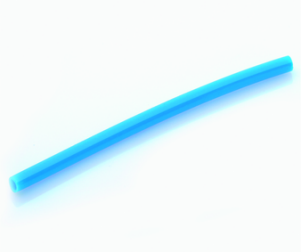


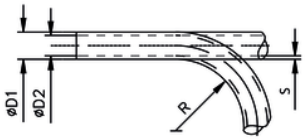
ITV	ØD1	ØD2	S	R	P
422006	4	2	1	12	15
422007	4,3	3	0,73	13	12
422009	4	2,3	0,85	12	12
422010	5	3	0,95	13	18
422011	6	4	1	18	13
422013	8	6	1,15	30	12
422016	10	8	1,25	45	8
422020	12	9	1,5	55	10
422023	14	11	1,5	60	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: blau
Polyurethane tube, blue colour
Tubo in poliuretano - azzurro



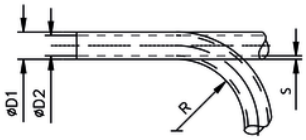


ITV	ØD1	ØD2	S	R	P
422106	4	2	1	12	15
422108	4,3	3	0,73	13	12
422109	4	2,5	0,85	12	12
422110	5	3	0,95	13	18
422111	6	4	1	18	13
422113	8	6	1,15	30	12
422116	10	8	1,25	45	8
422120	12	9	1,5	55	10
422123	14	11	1,5	60	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: schwarz
Polyurethane tube, black colour
Tubo in poliuretano - nero

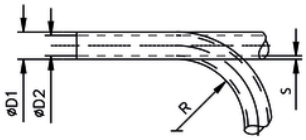


ITV	ØD1	ØD2	S	R	P
422208	4,3	3	0,73	13	12
422209	4	2,5	0,85	12	12
422210	5	3	0,95	13	18
422211	6	4	1	18	13
422213	8	6	1,15	30	12
422216	10	8	1,25	45	8
422220	12	9	1,5	55	10
422223	14	11	1,5	60	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: rot
Polyurethane tube, red colour
Tubo in poliuretano - rosso

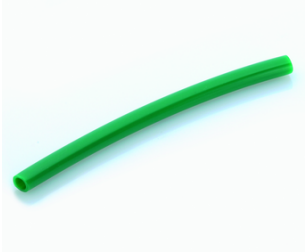


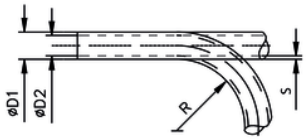
ITV	ØD1	ØD2	S	R	P
422309	4	2,5	0,85	12	12
422310	5	3	0,95	13	18
422311	6	4	1	18	13
422313	8	6	1,15	30	12
422316	10	8	1,25	45	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: grün
Polyurethane tube, green colour
Tubo in poliuretano - verde



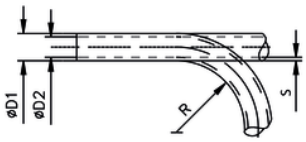


ITV	ØD1	ØD2	S	R	P
422609	4	2,5	0,85	12	12
422611	6	4	1	18	13
422613	8	6	1,15	30	12

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PU - Schläuche aus Polyurethan

Farbe: gelb
Polyurethane tube, yellow colour
Tubo in poliuretano - giallo

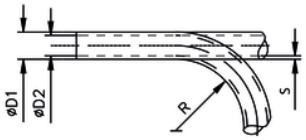


ITV	ØD1	ØD2	S	R	P
422408	4,3	3	0,73	13	12
422409	4	2,5	0,85	12	12
422410	5	3	0,95	13	18
422411	6	4	1	18	13
422413	8	6	1,15	30	12
422416	10	8	1,25	45	8

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PE - Schläuche aus Polyethylen

Farbe: natur
Polyethylene tube, natural colour
Tubo polietilene - neutro

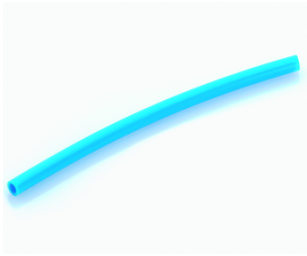


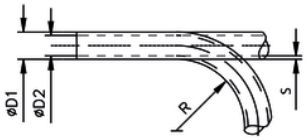
ITV	ØD1	ØD2	S	R	P
421008	4,3	3	1	20	15
421009	4	2	1	20	15
421010	5	3	1	20	15
421011	6	4	1	30	12
421013	8	6	1	40	8
421016	10	8	1	40	6
421020	12	9	1,5	60	9

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PE - Schläuche aus Polyethylen

Farbe: blau
Polyethylene tube, blue colour
Tubo polietilene - azzurro



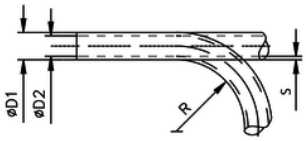


ITV	ØD1	ØD2	S	R	P
421108	4,3	3	1	20	15
421109	4	2	1	20	15
421111	6	4	1	30	12
421113	8	6	1	40	8
421116	10	8	1	40	6
421120	12	9	1,5	60	9

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PE - Schläuche aus Polyethylen

Farbe: schwarz
Polyethylene tube, black colour
Tubo polietilene - nero

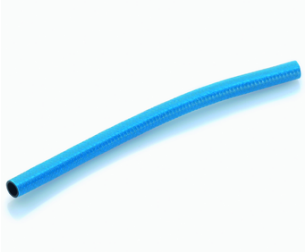


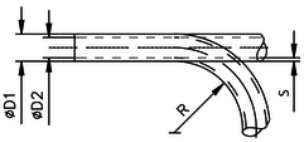
ITV	ØD1	ØD2	S	R	P
421208	4,3	3	1	20	15
421209	4	2	1	20	15
421211	6	4	1	30	12
421213	8	6	1	40	8
421216	10	8	1	40	6
421220	12	9	1,5	60	9

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PVU - Druckluftschlauch synthesefadenarmiert

Farbe: blau
PVU reinforced plastic tube, blue colour
Tubo per aria compressa rinforzato - azzurro



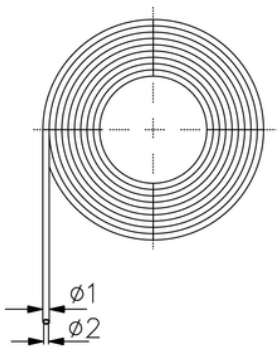


ITV	ØD1	ØD2	S	R	P
423111	6,2	4	11	50	40
423113	8,2	6	1,1	60	40
423116	10,2	8	1,1	65	35
423120	11,6	9	1,3	70	30
423121	12,5	10	1,25	80	28
423123	15	12,5	1,25	90	28
423125	17,6	13	2,3	100	28

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PTFE

Druckluftschlauch aus Teflon
Teflon tube
Tubo in teflon - neutro

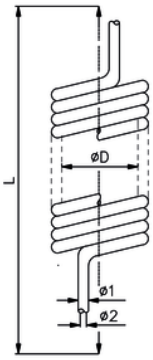


ITV	Ø1	Ø2
426009	4	2
426011	6	4
426013	8	6
426015	10	8
426025	19	16

Betriebstemperatur: -190 °C bis +260 °C Operating temperature: -190 °C to +260 °C Temperatura di esercisio: da -190°C a +260°C

Rohrwendel PA12

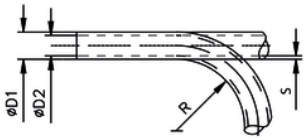
Farbe: blau
PA12 helical tube, blue colour
Spirali poliammide - PA12 azzurro



ITV	Ø1	Ø2	ØD	L
427101	6	4	60	2,5 m
427102	6	4	60	5 m
427103	6	4	60	7,5 m
427104	6	4	60	15 m
427105	8	6	80	2,5 m
427106	8	6	80	5 m
427107	8	6	80	7,5 m
427108	8	6	80	15 m
427109	10	8	90	2,5 m
427110	10	8	90	5 m
427111	10	8	90	7,5 m
427112	10	8	90	25 m
427113	12	9	90	2,5 m
427114	12	9	90	5 m
427115	12	9	90	7,5 m
427116	12	9	90	15 m
427117	15	12	150	2,5 m
427118	15	12	150	5 m
427119	15	12	150	7,5 m
427120	15	12	150	15 m

Flamex®

PUR-Rohr flammwidrig
PUR tube, flame-retardant
Tubo poliuretano autoestinguente - nero



ITV	ØD1	ØD2	S	R	P
429209	4	2	1	7	16
429213	8	4	2	15	16
429216	10	6	2	20	16
429220	12	8	2	28	16
429223	14	10	2	45	16

Selbstlöschend im Brandfall
Self-extinguishing in case of fire
Autoestinguente in caso di fiamma/scintilla

Fluor- und Halogenfrei
Fluorine and halogen free
Esente da fluoro ed alogeni

Labsfrei (frei von lackbenetzungshemmenden Stoffen)
Free of paint adhesion inhibitors
Esente da inibitori all'adesione della vernice

Hochabrieb- und scheuerfest
High abrasion and chafing resistance
Resistente all'abrasione ed agli sfregamenti

In Brennbarkeitsklasse UL94V von V2 bis V0 gelistet
Listed from V2 to V0 in combustibility class UL94V
Quotato da V2 a V0 in classe combustibilita UL94V

Betriebstemperatur: -35°C bis +130°C
Operating temperature: -35°C up to +130°C
Temperatura di esercizio: da -35°C a +130°C

Betriebsdruck: siehe Tabelle
Operating pressure: see data in article table
Pressione di esercizio: vedasi tabella articolo

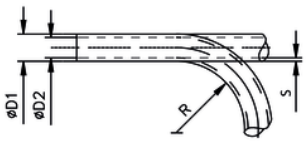
Toleranz: ±0,1 mm außen und ±0,1 mm innen
Tolerances: ±0,1 mm outside and ±0,1 mm inside
Tolleranze: ±0,1 mm esterno e ±0,1 mm interno

Geeignet für industrielle Automation, gute Widerstandsfähigeit gegen Schweißspritzer und Funkenflug, hydrolysebeständig und resistent gegen Mikroben
For industrial automation, good resistance to welding splashes and flying sparks, hydrolysisresistant and resistant to microbes
Per l'impiego nell'automazione industriale, buona resistenza alle scintille di saldatura, all'idrolisi e resistente all'attacco da parte di microbi e batteri

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

ASS-PUR-Schlauch

antistatisch
ASS-PUR tube antistatic
Tubo ASS-PUR antistatico



ITV	ØD1	ØD2	S	R	P
417209	4	2,5	1	20	15
417210	5	3	1	20	15
417211	6	4	1	30	12
417213	8	6	1	40	8
417216	10	8	1	40	6

antistatisch
antistatic
antistatico

Spezialschlauch aus Plyurethan
special polyurethane tube
Tubo speciale Poliuretano

Oberflächenwiderstand < 10.000 Ohm
Surface resistance < 10.000 Ohm
Resistività superficiale < 10.000 Ohm

druckbeständig
Pressure resistance
Resistente alla pressione

außenkalibriert
external calibration
standard di OD

Betriebstemperatur: -35°C bis +60°C
Operating temperature: -35°C up to +60°C
Temperatura di esercizio: -35°C a +60°C

Betriebsdruck: siehe Tabelle
Operating pressure: see data in article table
Pressione di esercizio: vedasi tabella in dettaglio

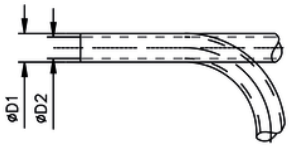
Toleranz: ±0,1mm außen und ±0,1mm innen
Tolerances: ±0,1mm outside and ±0,1mm inside
Tolleranze: ±0,1mm esterno e ±0,1mm interno

für explosionsgeschützte Bereiche, Bergbau, Teilesortierung und für Vakuumanwendungen geeignet
for explosion-protected areas, mining, parts sorting and also suitable for vacuum applications
per aree a prova di esplosione, minerario, smistamento di parti e adatto per applicazioni sotto vuoto

R = Biegeradius / Bending radius / Raggio di curvatura P = Druck [bar] / Pressure [bar] / Pressione di esercizio [bar]

PVC-Gewebeschlauch

Transparent reinforced PVC tube
Tubo PVC trasparente rinforzato

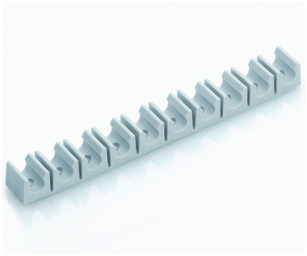


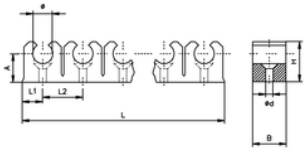
ITV	ØD1	ØD2	bar
636004	10	4	28
636005	11	5	26
636006	12	6	25
636008	14	8	24
636009	15	9	22
636010	16	10	21
636012	21	12	17
636013	20	13	16
636016	24	16	15
636019	27	19	11
636025	34	25	8
636032	42	32	8
636038	48	38	6
636050	60	50	4

Temperatur: -20 °C bis +65°C
Temperature: -20°C up to +65°C
Temperatura: da -20 °C a +65°C

Klemmleiste

für Kunststoffrohr
Tube anchorage
Fissatubi

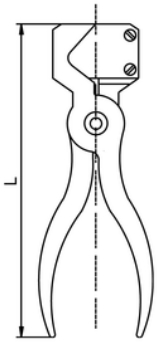




ITV	Ø	N	L	L1	L2	A	B	H	Ød
302000	4-5	10	100,4	5,2	10	6	14	9	2,4
302001	6	10	110,4	5,2	11	5,5	14	9	3
302002	8	10	140,4	6,4	14,2	7,5	15	12,5	2,8
302003	10	6	110	8,6	20,4	9	18	15	2,8
302004	11,5	6	110,4	8,75	20,2	10	18	16	2,8

Schlauchabschneider

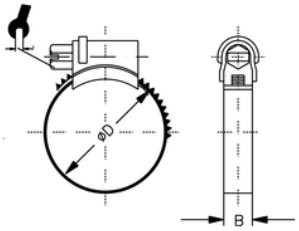
Tube scissor
Pinza taglia tubi



ITV	Ø	L
2017002	-12 mm	135
2017003	-25 mm	185

Schlauchschellen

nach DIN 3017
Hose holder according to DIN 3017
Fascetta Fermatubo DIN 3017



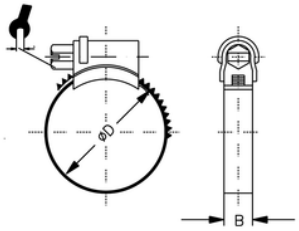
ITV	B	ØD
657312	9	8-12
657316	9	10-16
657320	12	12-20
657325	12	16-25
657332	12	20-32
657340	12	25-40
657345	12	30-45
657350	12	32-50
657360	12	40-60
657370	12	50-70
657380	12	60-80
657390	12	70-90
657400	12	80-100
657410	12	90-110
657420	12	100-120
657430	12	110-130
657440	12	120-140
657450	12	130-150
657460	12	140-160
657470	12	150-170
657480	12	160-180
657490	12	170-190
657500	12	180-200
657510	12	190-210
657520	12	200-220
657530	12	210-230
657540	12	220-240
657550	12	230-250
657560	12	240-260

mit Schneckengewinde
With screw flight
vite senza fine

Material:	Stahl, glanz verzinkt
Material:	steel, glossy zinc-coated
Materiale:	acciaio, zincato lucido
Schraube:	SW7/ SW8
Screw:	AF7 / AF8
Vite:	CH7 / CH8

Schlauchschellen

nach DIN 3017 - Edelstahl
Stainless steel hose holder according to DIN 3017
Fascetta Fermatubo in acciaio inox DIN 3017



ITV	B	ØD
652011	9	7-11
652016	9	8-16
652020	9	12-20
652022	9	12-22
652025	9	16-25
652032	9	20-32
652040	9	24-40
652047	9	30-45
652050	9	32-50
652060	9	40-60
652070	9	50-70
652080	9	60-80
652090	9	70-90
652100	9	80-100
652110	9	90-110
652120	9	100-120
652140	9	115-140
652160	12	135-160
653025	12	16-25
653032	12	20-32
653040	12	25-40
653047	12	30-45
653050	12	32-50
653060	12	40-60
653070	12	50-70
653080	12	60-80
653090	12	70-90
653100	12	80-100
653110	12	90-110
653120	12	100-120
653180	12	160-180
653190	12	170-190

mit Schneckengewinde
with screw flight
vite senza fine

Material:	Edelstahl 1.4301
Material:	stainless steel 1.4301
Materiale:	acciaio inox 1.4301