

SERIES

H10

H20

Hoses

PA = Polyamide
 PU = Polyurethane
 PE = Polyethylene
 PVC
 Rubber
 PTFE

Spiralschläuche

PA = Polyamide
 PU = Polyurethane

price query on:
pneumatikshop.de



Characteristics

hoses

In our catalogue the different applications are described for each hose type separately.

Spiral hoses

are flexible connections, which are used where there is little space and where long tubes are needed for example for pneumatic tools in the automobile industry.

Specifications

The technical data as well as the application range are attributed to the respective article in the catalogue.

Mounting

The kinds of mounting resp. fittings for the various hoses are attributed to the respective article in the catalogue.

H10
H20



SUITABLE FOR
DRAG CHAINS!

Application: Polyurethane hoses are very flexible and assure a proper functioning without kinking, even when there is very little space for the installation. Therefore in pneumatic applications this kind of hose is mainly used.

Also here the push-in fitting is the mainly used fitting (Series B...). Our PU-hoses are all calibrated and therefore they can easily be used for the sealing system of a push-in fitting. But you can also use the quick fittings (Series A) and the hose connectors (Series E....-P..).

Technical data

Operating pressure :	see table (pressure dependent: 30°C=83%; 40°C=72%; 50°C=64%; 60°C=47%, depending on the particular operating pressure)		
Temperature range :	-40°C up to +60°C		
Medium* :	compressed air, gases and liquids		
Mech. characteristics :	only minor deformation after long term usage, this means a good restoring capacity, a high tear resistance, very good flexibility regarding cold temperatures and high abrasion resistance. Hardness 98° shore A with 20°C		
Chem. resistance* :	mostly resistant against aliphatic hydrocarbons and the most lubricating oils, resistance to ageing against oxygen and ozone.		
Tolerances :	Outside diameter 4 up to 10 mm	:	± 0,10 mm
	Outside diameter 12 mm	:	± 0,15 mm
Colors :	transparent, blue, black, other colours available on request.		

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : Polyurethane (PUR)

Polyurethane plastic hose

H-PU

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14012601	H-PUN-4/2-blau	4	2,0	24	15	50
14012665	H-PUN-4/2-natur	4	2,0	24	15	50
14012607	H-PUN-4/2-schwarz	4	2,0	24	15	50
14012604	H-PUN-4/2-silber	4	2,0	24	15	50
14012609	H-PUN-4/2,5-blau	4	2,5	17	10	50
14012613	H-PUN-4/2,5-natur	4	2,5	17	10	50
14012612	H-PUN-4/2,5-schwarz	4	2,5	17	10	50
14012668	H-PUN-4/2,5-silber	4	2,5	17	10	50
14012619	H-PUN-6/4-blau	6	4,0	15	20	50
14012666	H-PUN-6/4-natur	6	4,0	15	20	50
14012625	H-PUN-6/4-schwarz	6	4,0	15	20	50
14012626	H-PUN-6/4-silber	6	4,0	15	20	50
14012670	H-PUN-8/5,5-blau	8	5,5	14	35	50
14012675	H-PUN-8/5,5-natur	8	5,5	14	35	50
14012674	H-PUN-8/5,5-schwarz	8	5,5	14	35	50
14012657	H-PUN-8/5,5-silber	8	5,5	14	35	50
14012629	H-PUN-8/6-blau	8	6,0	10	25	50
14012667	H-PUN-8/6-natur	8	6,0	10	25	50
14012638	H-PUN-8/6-schwarz	8	6,0	10	25	50
14012669	H-PUN-8/6-silber	8	6,0	10	25	50
14012680	H-PUN-10/7-blau	10	7,0	13	25	50
14012685	H-PUN-10/7-natur	10	7,0	13	25	50
14012684	H-PUN-10/7-schwarz	10	7,0	13	25	50
14012643	H-PUN-10/7-silber	10	7,0	13	25	50
14012644	H-PUN-10/8-blau	10	8,0	10	35	50
14012663	H-PUN-10/8-natur	10	8,0	10	35	50
14012650	H-PUN-10/8-schwarz	10	8,0	10	35	50
14012653	H-PUN-10/8-silber	10	8,0	10	35	50
14012655	H-PUN-12/9-blau	12	9,0	10	45	50
14012664	H-PUN-12/9-natur	12	9,0	10	45	50
14012660	H-PUN-12/9-schwarz	12	9,0	10	45	50
14012661	H-PUN-12/9-silber	12	9,0	10	45	50

Other sizes and colours available on request!

These hoses are used with the Series A.. and E10, mainly with push-in-fittings of the Series B....:

Series A..



A-GE-MSv

Series B..



B-GE-MSv-bl

Series E..



E-PTV-MS

Application: Polyurethane hoses are very flexible and assure a proper functioning without kinking, even when there is very little space for the installation. Therefore in pneumatic applications this kind of hose is mainly used.

Also here the push-in fitting (Series B....) is the mainly used fitting. Our PU-hoses are all calibrated and therefore they can easily be used for the sealing system of a push-in fitting. But you can also use the quick fittings (series A) and the hose connectors (series E....-P.).

Technical data

Operating pressure	:	max. 9 bar (temperature dependent: 40°C=75%; 50°C=65%; 60°C=55% of the respective operating pressure / In case of applications with higher operating pressure please contact us)
Temperature range	:	-20°C up to +60°C
Medium*	:	compressed air, gases and liquids
Mech. characteristics	:	only very low deformation after long-term use, this means a good restoring capacity, a high tear resistance, very good flexibility regarding cold temperatures and a high abrasion resistance. Hardness 98° shore A with 20°C.
Chem. resistance*	:	mostly resistant against aliphatic hydrocarbons and the most lubricating oils, resistance to ageing against oxygen and ozone.
Tolerances	:	Outside diameter 3 up to 8 mm : ± 0,10 mm Outside diameter 10 up to 16 mm : ± 0,15 mm
Colours	:	blau, schwarz, transparent, andere Colourn auf Anfrage lieferbar.

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Material : Polyurethane (PUR)

Polyurethane plastic hose

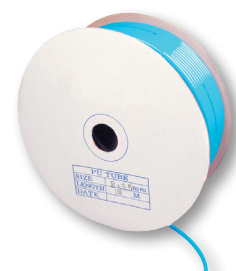
H-PUR

order-no.	type	ø A mm	ø I mm	min. bend radius mm	VPE m
14010100	H-PUR-3/2-200-blau	3	2.0	8	200
14010101	H-PUR-3/2-200-schwarz	3	2.0	8	200
14010102	H-PUR-3/2-200-transparent	3	2.0	8	200
14010110	H-PUR-4/2,5-200-blau	4	2,5	10	200
14010111	H-PUR-4/2,5-200-schwarz	4	2,5	10	200
14010112	H-PUR-4/2,5-200-transparent	4	2,5	10	200
14010120	H-PUR-6/4-100-blau	6	4.0	15	100
14010121	H-PUR-6/4-100-schwarz	6	4.0	15	100
14010122	H-PUR-6/4-100-transparent	6	4.0	15	100
14010130	H-PUR-8/5,5-100-blau	8	5,5	24	100
14010131	H-PUR-8/5,5-100-schwarz	8	5,5	24	100
14010132	H-PUR-8/5,5-100-transparent	8	5,5	24	100
14010140	H-PUR-10/7-100-blau	10	7.0	30	100
14010141	H-PUR-10/7-100-schwarz	10	7.0	30	100
14010142	H-PUR-10/7-100-transparent	10	7.0	30	100
14010150	H-PUR-12/8-100-blau	12	8.0	36	100
14010151	H-PUR-12/8-100-schwarz	12	8.0	36	100
14010152	H-PUR-12/8-100-transparent	12	8.0	36	100
14010160	H-PUR-16/11-50-blau	16	11.0	52	50
14010161	H-PUR-16/11-50-schwarz	16	11.0	52	50
14010162	H-PUR-16/11-50-transparent	16	11.0	52	50

Other sizes and colours available on request!

VERY
FLEXIBLE
AND
KINK-RESISTANT!

H10



Polyurethane-Twin plastic hose

H-PUR-DUO

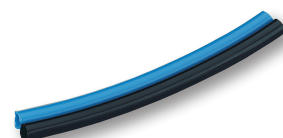
order-no.	type	ø A mm	ø I mm	min. bend radius mm	VPE m
14014685	H-PUR-DUO-4/2,5-200-schwarz/blau	4	2,5	10	200
14014681	H-PUR-DUO-6/4-100-schwarz/blau	6	4.0	15	100
14014684	H-PUR-DUO-8/5,5-100-schwarz/blau	8	5,5	24	100
14014683	H-PUR-DUO-10/7-50-schwarz/blau	10	7.0	30	50

These hoses are used with series B... :

Series B..



B-GE-MSv-bl



Application: Polyurethane hoses are very flexible and assure a proper functioning without kinking, even when there is very little space for the installation. This hose is food-safe.

In combination with this article we recommend push-in-fittings of the series B.. type food-safe. But you can also use the quick fittings (series A) and the hose connectors (series E..-P..)

Technical data

Operating pressure	:	See table (temperature dependent)
Temperature range	:	-40°C up to +85°C
Medium*	:	compressed air, gases and liquids
Mech. characteristics	:	very low deformation after long-term use, this means a good restoring capacity, a high tear resistance, very good flexibility regarding cold temperatures and a high abrasion resistance. Hardness 98° shore A.
Chem. resistance*	:	mostly resistant against aliphatic hydrocarbons and the most lubricating oils, resistance to ageing against oxygen and ozone.
Tolerances	:	outside diameter 4 up to 10 mm : ± 0,10 mm outside diameter 12 mm : ± 0,20 mm
Colour	:	transparent

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Material : Polyurethane, PUR

Polyurethane plastic hose

H-PUH

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14010181	H-PUH-4/2-blau	4	2	23	20	50
14010180	H-PUH-4/2-klar	4	2	23	20	50
14010182	H-PUH-4/2-schwarz	4	2	23	20	50
14010184	H-PUH-6/4-blau	6	4	14	30	50
14010183	H-PUH-6/4-klar	6	4	14	30	50
14010185	H-PUH-6/4-schwarz	6	4	14	30	50
14010187	H-PUH-8/6-blau	8	6	10	35	50
14010186	H-PUH-8/6-klar	8	6	10	35	50
14010188	H-PUH-8/6-schwarz	8	6	10	35	50
14010190	H-PUH-10/7-blau	10	7	12	40	50
14010189	H-PUH-10/7-klar	10	7	12	40	50
14010191	H-PUH-10/7-schwarz	10	7	12	40	50
14010193	H-PUH-12/9-blau	12	9	10	50	50
14010192	H-PUH-12/9-klar	12	9	10	50	50
14010194	H-PUH-12/9-schwarz	12	9	10	50	50

These hoses are used with series A.., B.. and E.., mainly with push-in-fittings of the series B.. in the FDA compliant version.

Series A..



A-GE-MSv

Series B..



B-GE-MSv-bl

Series E..



E-PTV-MS

Other hose qualities like PVDF, hytrol, hoses resistant against welding splashes, electronically conductive hoses, PP, antistatic hoses, Santoprene PVC etc. are available on request!

Pneumatic hoses of Co-Polyurethane

calibrated – suitable for the use with push-in-fittings

Series H10

Application: Hoses made of Co-polyurethane have the best properties of PU and PA.

The the push-in fittings (Series B..) are predominantly used.

Our PU hoses are basically calibrated and therefore suitable for the sealing system of our push-in fitting.

The quick connectors (Series A..) and the hose connectors (Series E.....-P..) can also be used.

Technical data

Operating pressure	:	See table (temperature dependent: 30°C=83%; 40°C=71%; 50°C=62%; 60°C=55% of the respective operating pressure / In case of applications with higher operating pressure please contact us)
Temperature range	:	-40°C up to +100°C
Medium*	:	compressed air, gases and liquids
Mech. characteristics	:	very low deformation after long-term use, this means a good restoring capacity, a high tear resistance, very good flexibility regarding cold temperatures and a high abrasion resistance. Hardness 98° Shore A at 20°C.
Chem. resistance*	:	mostly resistant against aliphatic hydrocarbons and the most lubricating oils, resistance to ageing against oxygen and ozone.
Tolerances	:	Outside diameter 4 up to 6 mm : ± 0,07 mm (externally calibrated) Outside diameter 8 up to 10 mm : ± 0,01 mm (externally calibrated)
Colour	:	blue, other colours available on request.

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Material : Co-Polyurethane (PU)

Polyurethane plastic hose

H-PUC

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14010081	H-PUC-4/2,5-blau-100	4	2,5	22	10	100
14010082	H-PUC-6/4-blau-100	6	4,0	19	15	100
14010083	H-PUC-8/6-blau-100	8	6,0	16	25	100
14010084	H-PUC-10/8-blau-100	10	8,0	12	35	100

Other sizes and colours available on request!

- HIGH FLEXIBILITY
- SMALL BENDING RADIUS
- HYDROLYSIS-RESISTANT
- GOOD CHEMICAL RESISTANCE
- GOOD TEMPERATURE RESISTANCE

H10



These hoses are used with series B...

Series B..



B-GE-MSv-bl

Application: Polyurethane hoses are very flexible and assure a proper functioning without kinking, even when there is very little space for the installation. In the pneumatic sector this is the most used hose type. As fitting here is also mainly used the push-in-fitting (series B..)

Our PU-hoses are all calibrated and therefore they can easily be used for the sealing system of a push-in fitting. But you can also use the quick fittings (series A) and the hose connectors (series E....-P..).

Specification: Two hoses are welded together to a hose pair — blue and black.

For the mounting the hose pair is separated on both ends to the required length.

Technical data

Operating pressure	:	see table															
Temperature range	:	-35°C up to +50°C															
Medium*	:	compressed air, gases and liquids															
Mech. characteristics	:	very low deformation after long-term use, this means a good restoring capacity, a high tear resistance, very good flexibility regarding cold temperatures and a high abrasion resistance.															
chem. resistance*	:	mostly resistant against aliphatic hydrocarbons and the most lubricating oils, resistance to ageing against oxygen and ozone.															
Tolerances	:	<table> <tr> <td>outside diameter 4 mm</td><td>:</td><td>- 0,07 up to + 0,05 mm</td></tr> <tr> <td>outside diameter 6 bis 8 mm</td><td>:</td><td>- 0,10 up to + 0,05 mm</td></tr> <tr> <td>outside diameter 10 mm</td><td>:</td><td>- 0,10 up to + 0,05 mm</td></tr> <tr> <td>outside diameter 4 up to 8 mm</td><td>:</td><td>Wall thickness ± 0,05 mm</td></tr> <tr> <td>outside diameter 10 mm</td><td>:</td><td>Wall thickness ± 0,10 mm</td></tr> </table>	outside diameter 4 mm	:	- 0,07 up to + 0,05 mm	outside diameter 6 bis 8 mm	:	- 0,10 up to + 0,05 mm	outside diameter 10 mm	:	- 0,10 up to + 0,05 mm	outside diameter 4 up to 8 mm	:	Wall thickness ± 0,05 mm	outside diameter 10 mm	:	Wall thickness ± 0,10 mm
outside diameter 4 mm	:	- 0,07 up to + 0,05 mm															
outside diameter 6 bis 8 mm	:	- 0,10 up to + 0,05 mm															
outside diameter 10 mm	:	- 0,10 up to + 0,05 mm															
outside diameter 4 up to 8 mm	:	Wall thickness ± 0,05 mm															
outside diameter 10 mm	:	Wall thickness ± 0,10 mm															
Colour	:	blue, black, other colours available on request.															

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Material : Polyurethane, PUR

Polyurethane-Twin plastic hose

H-PU-DUO

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14013620	H-PU-DUO-4/2	4	2	23	20	50
14018656	H-PU-DUO-6/4	6	4	14	30	50
14015668	H-PU-DUO-8/6	8	6	10	35	50
14014699	H-PU-DUO-10/7	10	7	12	40	50

Other sizes and colours available on request!

This hose is used with series A.., mainly with push-in-fittings of series B..

Series A..

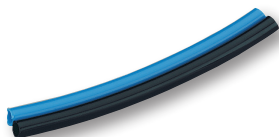


A-GE-MSv

Series B..



B-GE-MSv-bl



Application: Polyamide hoses are used in the pneumatic field, when there is a good chemical resistance and rather high temperatures. Besides, the PA hose offers the opportunity to work with higher operating pressures.

As fitting mainly the push-in-fitting (series B..) is used, however the quick fitting of series A and the cutting ring fitting of series C.., can be mounted in connection with a support sleeve.

Technical data

Operating pressure	:	(pressure dependent: 30°C=87%;40°C=74%; 60°C=57%; 50°C=64%; of the respective operating pressure)		
Temperature range	:	-40°C up to +90°C		
Medium*	:	compressed air, gases and liquids		
Mech. characteristics	:	low weight, shock-resistant, relative high compression strength in case of low wall thickness.		
Chem. resistance*	:	widely resistant against oils, greases, fuels and hydrocarbons, many organic solvents, hydrous acids, lyes and salts. Depending on the application, you have to consider the resistance and temperature tolerance values indicated in the technical literature.		
Tolerances	:	Outside diameter 4 up to 10 mm	:	-0,1 up to + 0,1 mm
		Outside diameter 12 up to 14 mm	:	± 0,15 mm
Colour	:	blue, black, transparent, other colours available on request.		

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Material : Polyamide, PA 12 W - according DIN 73378

Polyamide plastic hose Polyamide 12

order-no.	type	ø A mm	ø l mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14012032	H-PA-4/2-natur	4	2,0	44	15	50
14018033	H-PA-4/2-blau	4	2,0	44	15	50
14012034	H-PA-4/2-schwarz	4	2,0	44	15	50
14012031	H-PA-4/2.7-natur	4	2,7	26	25	50
14018032	H-PA-4/2.7-blau	4	2,7	26	25	50
14010034	H-PA-4/2.7-schwarz	4	2,7	26	25	50
14011043	H-PA-5/3-natur	5	3,0	33	30	50
14017044	H-PA-5/3-blau	5	3,0	33	30	50
14016046	H-PA-5/3-schwarz	5	3,0	33	30	50
14014055	H-PA-6/4-natur	6	4,0	27	35	50
14017056	H-PA-6/4-blau	6	4,0	27	35	50
14019058	H-PA-6/4-schwarz	6	4,0	27	35	50
14018067	H-PA-8/6-natur	8	6,0	19	40	50
14014068	H-PA-8/6-blau	8	6,0	19	40	50
14017070	H-PA-8/6-schwarz	8	6,0	19	40	50
14017097	H-PA-10/8-natur	10	8,0	15	60	50
14013098	H-PA-10/8-blau	10	8,0	15	60	50
14018100	H-PA-10/8-schwarz	10	8,0	15	60	50
14010115	H-PA-12/9-natur	12	9,0	19	70	50
14013116	H-PA-12/9-blau	12	9,0	19	70	50
14015118	H-PA-12/9-schwarz	12	9,0	19	70	50
14010520	H-PA-14/11-blau	14	11,0	10	90	50
14010118	H-PA-14/11-natur	14	11,0	10	90	50
14010119	H-PA-14/11-schwarz	14	11,0	10	90	50

Other colour available on request!

Polyamid-Twin plastic hose Polyamide 12 , with partially welded ends

order-no.	type	ø A mm	ø l mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14010875	H-PA-DUO-4/2-schwarz/blau	4	2	44	15	50
14010876	H-PA-DUO-6/4-schwarz/blau	6	4	27	35	50
14010877	H-PA-DUO-8/6-schwarz/blau	8	6	19	40	50

This hose is used with series A.., B.. and C..:

Series A..



A-GE-MSv

Series B..

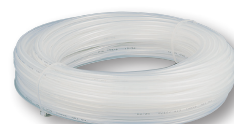


B-GE-MSv-bl

Series C..



C-GE-MSv



H10

- THE ALTERNATIVE TO PA12
- HIGH TEMPERATURE RESISTANCE
- HIGH FLEXIBILITY
- SMALL BENDING RADIUS

Application: Polyamid-Pro PA10.12 is a material based on vegetable oils and has the same properties as PA12 based on mineral oil. The Polyamide-Pro hose (PAP) is a very flexible hose and guarantees a good processing. In addition, the PAP hose has higher temperature and pressure properties than a PA hose.

Push-in fittings (Series B..) are predominantly used.

Our PAP hoses are calibrated and therefore suitable for the sealing system of our push-in fitting.

The quick couplings (Series A..) can also be used.

Technical data

Operating pressure	:	see table (temperature dependent: 30°C=87%; 40°C=74%; 50°C=62%; 60°C=57% of the respective operating pressure / In case of applications with higher operating pressure please contact us))
Temperature range	:	-60°C up to +90°C
Medium*	:	compressed air, gases and liquids
Mech. characteristics	:	low weight, shock-resistant, relative high compression strength in case of low wall thickness.
Chem. resistance*	:	widely resistant against oils, greases, fuels and hydrocarbons, many organic solvents, hydrous acids, lyes and salts. Depending on the application, you have to consider the resistance and temperature tolerance values indicated in the technical literature.
Tolerances	:	Outside diameter 4 up to 10 mm : ± 0,10 mm (calibrated externally) Outside diameter 12 up to 14 mm : ± 0,15 mm (calibrated externally)
Colour	:	transparent, blue, black and other colours on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : Polyamide-Pro 10.12

Polyamide-Pro plastic hose

H-PAP

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14018101	H-PAP-4/2-natur	4	2	44	15	100
14018102	H-PAP-4/2-blau	4	2	44	15	100
14018103	H-PAP-4/2-schwarz	4	2	44	15	100
14018104	H-PAP-6/4-natur	6	4	27	35	100
14018105	H-PAP-6/4-blau	6	4	27	35	100
14018106	H-PAP-6/4-schwarz	6	4	27	35	100
14018107	H-PAP-8/6-natur	8	6	19	40	100
14018108	H-PAP-8/6-blau	8	6	19	40	100
14018109	H-PAP-8/6-schwarz	8	6	19	40	100
14018110	H-PAP-10/8-natur	10	8	15	60	100
14018111	H-PAP-10/8-blau	10	8	15	60	100
14018112	H-PAP-10/8-schwarz	10	8	15	60	100
14018113	H-PAP-12/9-natur	12	9	19	70	100
14018114	H-PAP-12/9-blau	12	9	19	70	100
14018115	H-PAP-12/9-schwarz	12	9	19	70	100
14018116	H-PAP-12/10-natur	12	10	12	85	100
14018117	H-PAP-12/10-blau	12	10	12	85	100
14018118	H-PAP-12/10-schwarz	12	10	12	85	100
14018119	H-PAP-14/12-natur	14	12	10	85	100
14018120	H-PAP-14/12-blau	14	12	10	85	100
14018121	H-PAP-14/12-schwarz	14	12	10	85	100

This hose is used with series B...:

Series B..



B-GE-MSv-bl

H10



Application: Polyamide hoses are often used in the pneumatic sector when there is a good chemical resistance and relative high temperatures. Furthermore the PA-hose offers the opportunity to work with higher operating pressures.

These polyamide tubes are mainly used for the installation of compressed air supply networks. As fittings here the big-size push-in-fittings of series BG are used.

Technical data

Operating pressure	: see table
Temperature range	: -40°C up to +90°C
Medium*	: compressed air, gases and liquids
mech. characteristics	: low weight, shock-resistant, relative high compression strength in case of low wall thickness
chem. resistance*	: widely resistant against oils, greases, fuels and hydrocarbons, many organic solvents, hydrous acids, lyes and salts. Depending on the application, you have to consider the resistance and temperature tolerance values indicated in the technical literature.
Tolerances	: Outside diameter 15 up to 28 mm : -0,10 up to + 0,05 mm
Colour	: transparent, blue, black and other colours on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : Polyamide, PA 12 W - according DIN 73378

Polyamide - plastic tube

Polyamide 12 hard (in bars of 3 m length)

HG-PAH

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	VPE St.
14010813	HG-PAH-15/12-schwarz	15	12	25	1
14010810	HG-PAH-18/14-schwarz	18	14	28	1
14010811	HG-PAH-22/18-schwarz	22	18	20	1
14010812	HG-PAH-28/23-schwarz	28	23	20	1

Other colour available on request!

Polyamide - plastic hose

Polyamide 12

HG-PA

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14010802	HG-PA-15/12-schwarz	15	12	15	90	50
14010800	HG-PA-18/14-schwarz	18	14	16	100	50
14010801	HG-PA-22/18-schwarz	22	18	14	100	50
14010803	HG-PA-28/23-schwarz	28	23	14	180	50

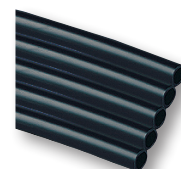
As fittings big-sized push-in-fittings are used here.

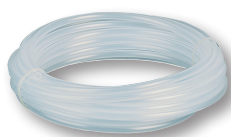
Series B50



BG-GE-KU

H10





This hose is used with series A.. and series C..



Series A..
A-GE-MSV



Series C..
C-GE-MSV

Application: polyethylene hoses are not often used in the pneumatic field since they tend to kink frequently contrary to the PU hoses.
The advantage of these hoses is their light weight and good price.

As fittings mainly the quick fittings of series A and cutting ring fittings of series C.. are used, in connection with a support sleeve.

Technical data

Operating pressure	: see table (temperature dependent)
Temperature range	: -30°C up to +70°C
Medium*	: compressed air, gases and liquids
Mech. characteristics	: low weight, shock-resistant
Chem. resistance*	: widely resistant against acids, lyes, hydrochloric acids and a great variety of solvents.
Tolerances	: Outside diameter 4 - 12 mm : ± 0,10 mm
Colour	: transparent, blue, black and other colours on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

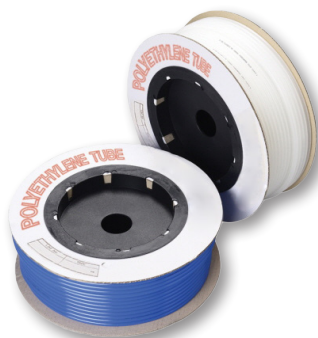
Material : Polyethylene, PE

Polyethylene plastic hose

H-PE

order-no.	type	ø A mm	ø l mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14015438	H-PE-4.3/3-blau	4,3	3	9,0	20	50
14019437	H-PE-4.3/3-natur	4,3	3	9,0	20	50
14014440	H-PE-4.3/3-schwarz	4,3	3	9,0	20	50
14011444	H-PE-5/3-blau	5,0	3	12,5	20	50
14015443	H-PE-5/3-natur	5,0	3	12,5	20	50
14010446	H-PE-5/3-schwarz	5,0	3	12,5	20	50
14011456	H-PE-6/4-blau	6,0	4	10,0	30	50
14018455	H-PE-6/4-natur	6,0	4	10,0	30	50
14013458	H-PE-6/4-schwarz	6,0	4	10,0	30	50
14018468	H-PE-8/6-blau	8,0	6	7,0	30	50
14012467	H-PE-8/6-natur	8,0	6	7,0	30	50
14011470	H-PE-8/6-schwarz	8,0	6	7,0	30	50
14017498	H-PE-10/8-blau	10,0	8	5,6	40	50
14011497	H-PE-10/8-natur	10,0	8	5,6	40	50
14017500	H-PE-10/8-schwarz	10,0	8	5,6	40	50
14014504	H-PE-11.6/9-blau	11,6	9	7,0	50	50
14018503	H-PE-11.6/9-natur	11,6	9	7,0	50	50
14013506	H-PE-11.6/9-schwarz	11,6	9	7,0	50	50
14012516	H-PE-12/9-blau	12,0	9	8,0	60	50
14019515	H-PE-12/9-natur	12,0	9	8,0	60	50
14014518	H-PE-12/9-schwarz	12,0	9	8,0	60	50

Other colours available on request!



FDA-konform

PE-hoses FDA-compliant

Application:

Suitable for water purification, water preparation, ice machines, water mist systems and food contact.

Specifications:

The PE hoses are made of non-contaminated material and are FDA compliant. Suitable for a wide temperature and pressure range. High resistance to many chemicals.

Temperature resistance: - 20 °F (-29 °C) ~ + 150 °F (66 °C)

Tolerances: +0,1 mm / -0,1 mm

Blue (Standard)

BL

Other colour available on request!

Transparent

NU

Black

NE

White

BO

Red

RO

order-no.	type		hose outer ø	hose inner ø	colour	length (m)	Max. pressure (PSI)
14010461	H-PE-4/2,5-blau-FDA	metrisch	4	2,5	BL	200	230
14010462	H-PE-6/4-blau-FDA	metrisch	6	4	BL	100	230
14010463	H-PE-8/6-blau-FDA	metrisch	8	6	BL	100	170
14010464	H-PE-10/7-blau-FDA	metrisch	10	7	BL	100	170
14010465	H-PE-12/9-blau-FDA	metrisch	12	9	BL	100	170
14010466	H-PE-5/32-blau-FDA	inch	5/32		BL	200	230
14010467	H-PE-3/16-blau-FDA	inch	3/16		BL	100	230
14010468	H-PE-1/4-blau-FDA	inch	1/4		BL	100	230
14010469	H-PE-5/16-blau-FDA	inch	5/16		BL	100	170
14010470	H-PE-3/8-blau-FDA	inch	3/8		BL	100	170
14010471	H-PE-1/2-blau-FDA	inch	1/2		BL	100	170

Technical and visual modifications are reserved.

Application: The PTFE-hose, thanks to its very good chemical resistance to the most aggressive media, is used with media which are difficult to handle, such as glue containing solvents.

Another advantage is that it can be used in a wide temperature range.

As fittings are used the fittings of series A., the push-in fittings of series B.. and the cutting —ring fittings of series C, in connection with a support sleeve.

Technical data

Operating pressure	:	See table
Temperature range	:	-75°C up to +260°C
Medium*	:	compressed air, gases and liquids
Mech. characteristics	:	Elongation at 23°C: 200 up to 300 % tear resistance at 23°C: 175 up to 260 dn/cm not flameable
Chem. resistance*	:	resistant against all liquid, gaseous and corrosive media, including all acids, alkaline solutions, solvents, oils. fuels. Exceptions are melted alkali metals and fluor compounds. PTFE hoses are neutral in taste, non-toxic and can therefore be used for food, beverages etc.
Tolerances	:	Outside diameter 4-10 mm : ± 0,10 mm Outside diameter 12 mm : ± 0,15 mm
Flexibility	:	PTFE-hoses are very flexible especially in the small and medium diameter range
Anti-adhesion charact.	:	colour, filling materials, resin or latex, which normally adhere to surfaces, do not adhere to PTFE. Its anti-adhesion characteristics are unsurpassed (unbeatable). If, however, the said materials should leave small particles on the PTFE hose, these can easily be removed by washing or spraying.
Colour	:	transparent, other colours available on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : PTFE

PTFE- plastic hose

H-PTFE

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	bending radius mm	max. Vacuum in bar	VPE m
14040001	H-PTFE-4/2-natur	4	2	42	15	-0,95	50
14040002	H-PTFE-5/3-natur	5	3	25	35	-0,95	50
14040003	H-PTFE-6/4-natur	6	4	25	35	-0,95	50
14040004	H-PTFE-8/6-natur	8	6	18	65	-0,95	50
14040005	H-PTFE-10/8-natur	10	8	14	100	-0,95	50
14040006	H-PTFE-12/10-natur	12	10	12	150	-0,95	50

Other sizes, colours and types made of PTFE available on request!

This hose is used with series A., B.. and C..:

Series A..



A-GE-MSv

Series B..

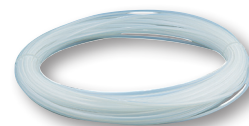


B-GE-MSv-bl

Series C..



C-GE-MSv



H10

Application: Our plastic hose with external reinforcement (type HS1) is a special pneumatic hose, which is characterized by its flexibility, low weight and compression strength.

As fitting mainly the quick fitting of series A.. is used.

Technical data

Operating pressure	:	See table	
Temperature range	:	-30°C up to +80°C	
Medium*	:	compressed air, gases and liquids	
Mech. characteristics	:	Shore hardness A according to DIN 53505	: 66 °
		Dielectric strength	: 22 kv
		cold crack temperature according to DIN 53372	: 20 °C
		highly flexible, low weight	
Chem. resistance*	:	resistant against exterior influences of diverse oils, greases, diluted acids and caustic solutions.	
Tolerances	:	Inside diameter 3 up to 8 mm	: ± 0,15 mm wall: 1,10 ± 0,10 mm
		Inside diameter 9 up to 10 mm	: ± 0,25 mm wall: 1,30 ± 0,15 mm
		Inside diameter 13 mm	: ± 0,30 mm wall: 2,30 ± 0,15 mm
Colour	:	blue, red, other colours available on request.	

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : outer jacket: soft-PVC tissue: polyester fibre tubing core: soft-PVC

PVC hose with external reinforcement

H-S1



order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14027113	H-S1-5.2/3-blau	5,2	3	40	40	50
14023114	H-S1-5.2/3-rot	5,2	3	40	40	50
14020119	H-S1-6.2/4-blau	6,2	4	40	50	50
14020120	H-S1-6.2/4-rot	6,2	4	40	50	50
14020131	H-S1-8.2/6-blau	8,2	6	40	60	50
14026132	H-S1-8.2/6-rot	8,2	6	40	60	50
14029143	H-S1-10.2/8-blau	10,2	8	34	65	50
14025144	H-S1-10.2/8-rot	10,2	8	34	65	50
14022155	H-S1-11.6/9-blau	11,6	9	30	70	50
14025156	H-S1-11.6/9-rot	11,6	9	30	70	50
14026167	H-S1-12.5/10-blau	12,5	10	28	80	50
14022168	H-S1-12.5/10-rot	12,5	10	28	80	50
14029179	H-S1-17.6/13-blau	17,6	13	28	100	50
14022180	H-S1-17.6/13-rot	17,6	13	28	100	50

Other colour available on request!

This hose is used with series A... :

Series A..



A-GE-MSV

PVC-hose with fabric insert highly flexible pneumatic hose Nobelair

Series H10

PVC hose with fabric insert

H-S4

Application: PVC hoses with synthetic fiber inserts, because of their robustness and their kink resistance, are mainly used under difficult conditions of application.

As screw fittings here mainly the hose nozzles of the series E are used.

Technical data

Operating pressure	: see table up to ø 20/13 this hose is resistant against vacuum up to 80%
Temperature range	: -20°C up to +65°C
Medium*	: compressed air, gases and liquids
Mech. characteristics	: high wear resistance and flexibility, UV-resistance
Chem. resistance*	: conditionally resistant against oil and petrol, non-toxic
Colour	: transparent, other colours available on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : outer jacket: S-PVC tissue: polyester fibre tubing core: S-PVC

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	VPE m
14025405	H-S4-10/4-klar	10	4	23	50
14026409	H-S4-12/6-klar	12	6	13	50
14020121	H-S4-14/8-klar	14	8	13	50
14020411	H-S4-15/9-klar	15	9	19	50
14020412	H-S4-16/10-klar	16	10	11	50
14022413	H-S4-20/13-klar	20	13	13	50
14024415	H-S4-24/16-klar	24	16	14	50
14023417	H-S4-27/19-klar	27	19	12	50
14025419	H-S4-34/25-klar	34	25	9	50
14024421	H-S4-42/32-klar	42	32	7	25
14026423	H-S4-48/38-klar	48	38	6	25
14028425	H-S4-60/50-klar	60	50	4	25

Other sizes and colours available on request!

This hose is mainly used with hose nozzles of the series E:

Series E..



E-GET-MSv

H10



Highly flexible pneumatic hose Nobelair

H-S2

Application: This hose sets a new benchmark in the pneumatic area. It is characterized by its very low weight, high flexibility, oil- and grease repellent, UV-resistance and high durability.

As screw connection the nozzles of series E are mainly used.

Technical data

Operating pressure	: see table
Temperature range	: -15°C up to + 60°C (pressure dependent)
Medium*	: compressed air
Mech. characteristics	: very kink-resistant and flexible, resistant to ageing, UV-resistant
Colour	: blue

Material:	tubing core	casing			outer jacket
	PVC black foamed	highly solid reinforced fibre - pressure bearer			PVC blue
order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	VPE m
14020500	H-S2-11/6,3-blau	11,0	6,3	15	50
14020501	H-S2-14,5/9-blau	14,5	9,0	15	50
14020502	H-S2-19/12,7-blau	19,0	12,7	15	50

This hose is mainly used with hose nozzles of the series E:

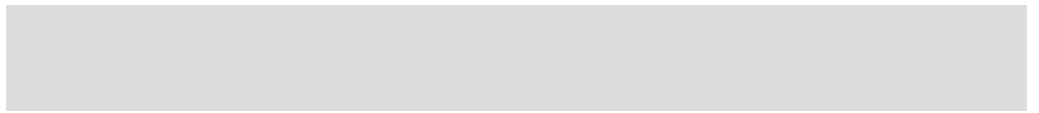
Series E..



E-GET-MSv

- LOW WEIGHT
- HIGH FLEXIBILITY
- OIL & LUBRICANT-REPELLENT
- GOOD UV-RESISTANCE
- LONG LIFE





Vacuum hose

H-S14

Application: This hose is highly suitable as suction and pressure hose for the vacuum sector. Due to its inner steel insert, the hose keeps its form, also with 100% vacuum, without shrinking. As screw connections there are mainly used hose nozzles of the series E.

Technical data

Operating pressure	: see table
Temperature range	: up to max. 65°C
Medium*	: vacuum and liquids
Mech. characteristics	: kink resistant, absolutely vacuum resistant, resistant to ageing
Colour	: transparent, other colours available on request

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : PVC - with cast steel wire insert

order-no.	type	ø A mm	ø I mm	max Vacuum in bar	allowed pressure on 20°C in bar	min. Biege- radius mm	VPE m
14038404	H-S14-18/12	18	12	-1	10	48	30
14037406	H-S14-20/14	20	14	-1	9	56	30
14039408	H-S14-23/16	23	16	-1	9	64	50
14039409	H-S14-16/10	16	10	-1	10	48	50
14030410	H-S14-27/20	27	20	-1	8	80	50
14033415	H-S14-33/25	33	25	-1	8	100	50
14038418	H-S14-40/32	40	32	-1	7	128	50
14033421	H-S14-48/38	48	38	-1	7	152	50
14031424	H-S14-62/50	62	50	-1	7	200	50
14036427	H-S14-72/60	72	60	-1	7	240	30

Other sizes and colours available on request!

This hose is mainly used with hose nozzles of the series E: Series E..

Series E..



E-GET-MSv



H10

Oil resistant rubber hose

H-S10

Application: This rubber hose is resistant against oily air according to DIN 200018. Because of its flexibility, kink resistance and robustness this hose is used in mechanical engineering with highest requirements. As screw connections mainly the hose nozzles of the series E are used

Technical data

Operating pressure	: max. 16 bar
Platzdruck	: 50 bar
Temperature range	: -30°C bis +50°C
Medium*	: Compressed air
Mech. characteristics	: abrasion proof and weather resisting
Chem. resistance*	: tubing core is resistant against oily air
with imprint	: DIN 20018
Colour	: black, other colours are available on request!

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability

Material : outer jacket: TPE-rubber tissue: Ryon tubing core: TPE-rubber

order-no.	type	ø A mm	ø I mm	VPE m
14030005	H-S10-13/6-schwarz	13	6	40
14031009	H-S10-16/9-schwarz	16	9	40
14037013	H-S10-23/13-schwarz	23	13	40
14038017	H-S10-27/15-schwarz	27	15	40
14039021	H-S10-31/19-schwarz	31	19	40
14033025	H-S10-39/25-schwarz	39	25	40

Other sizes and colours available on request!

This hose is mainly used with hose nozzles of the series E..

Series E..



E-GET-MSv



Application: As this hose is resistant against many acids, lyes, colours, adhesives and lacquers, it is often used in the chemical, colours and lacquer industry. Other good characteristics of this hose are the abrasion proofness and non-crush characteristic of the outer jacket.

As screw connections there are mainly used the hose nozzles of the series E..

Technical data

Operating pressure	: See table
Temperature range	: -10°C up to +80°C
Medium*	: compressed air, gases and liquids
Mech. characteristics	: smooth tubing core abrasion proof and non-crushing, resistant against UV rays
Vacuum resistance	: excellent vacuum resistance up to outside diameter of 25 mm
Chem. resistance*	: good resistance against acids, lyes, colours, adhesives, varnish and similar – the hose in fact can only be attacked by corrosive/ caustic chemicals, in that case please send us your special inquiry.
Colour	: black with white brand imprint: Technobel — at intervals of 350 mm Other colour available on request!

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability.

Material : outer jacket: PVC tissue: polyester fibre mesh tubing core: PEE-Hytrel

Hose for colours and solvents

H-S20

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bending radius mm	VPE m
14050100	H-S20-11/6-schwarz	11.0	6.0	20	42	50
14050102	H-S20-15/9-schwarz	15.0	9.0	20	70	50
14050104	H-S20-19.5/12.7-schwarz	19.5	12.7	20	90	50
14050105	H-S20-23.5/16-schwarz	23.5	16.0	20	115	50
14050106	H-S20-27.5/19-schwarz	27.5	19.0	20	130	50
14050107	H-S20-34.5/25-schwarz	34.5	25.0	15	200	50



This hose is mainly used with hose nozzles of the series E..

Series E..



E-GET-MSv

Application: spiral hoses are used as compressed air supply for maneuverable machine components and they are as well used as space saving hose pipeline. They are used in all cases where flexible connections and long hoses are needed, with only little space available, for example for pneumatic instruments in the automobile industry.

Polyurethane spirals are not used when there are small installation sizes and high flexibility. Furthermore the PU spiral hose is characterized by its kink resistance and its very low abrasion. The danger of scratching

of coated surfaces (for example in the automobile industry) is much lower than with PA-spirals, since the PU spiral hose is very soft.

As screw connections are mainly used the quick fittings of the series A... with kink protection spring; types A-GEF.

Technical data

Operating pressure	: max. 8 bar at 20°C
Temperature range	: -35°C bis +50°C
Medium*	: compressed air, gases and liquids
Mech. characteristics	: low deformation after longterm application, that is good restoring force, high tear resistance, very good flexibility regarding cold temperature, high abrasion resistance.
Chem. resistance*	: mostly resistant against aliphatic hydrocarbons and the most lubricants, resistance to ageing, against oxygen and ozone.
Colour	: blue

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability.

Material : Polyurethane, PU

Spiral hose made of polyurethane

with ends, kink protection springs and screw connections

H-SPK-PU

order-no.	type	ø A mm	ø I mm	thread	working- length m	sleeve- outside mm	block- length mm	end length mm	VPE
14830053	H-SPK-PU-6/3.6-1/4-4.0-blau	6	3,6	1/4"	4,0	35	210	400	1
14830054	H-SPK-PU-6/3.6-1/4-7.5-blau	6	3,6	1/4"	7,5	35	450	400	1
14830049	H-SPK-PU-8/5-1/4-4.0-blau	8	5,0	1/4"	4,0	58	360	400	1
14830050	H-SPK-PU-8/5-1/4-7.5-blau	8	5,0	1/4"	7,5	58	540	400	1
14837050	H-SPK-PU-10/6.5-1/4-4.0-blau	10	6,5	1/4"	4,0	74	330	150 / 500	1
14830051	H-SPK-PU-10/6.5-1/4-7.5-blau	10	6,5	1/4"	7,5	74	380	400	1
14831037	H-SPK-PU-12/8-3/8-4.0-blau	12	8,0	3/8"	4,0	92	330	150 / 500	1
14833039	H-SPK-PU-12/8-3/8-7.5-blau	12	8,0	3/8"	7,5	92	340	400	1
14838047	H-SPK-PU-16/10-1/2-4.0-blau	16	10,0	1/2"	4,0	109	200	400	1
14832046	H-SPK-PU-16/10-1/2-7.5-blau	16	10,0	1/2"	7,5	109	400	400	1
14830056	H-SPK-PU-19/13-1/2-4.0-blau	19	13,0	1/2"	4,0	145	250	400	1
14830057	H-SPK-PU-19/13-1/2-7.5-blau	19	13,0	1/2"	7,5	145	400	400	1

Other sizes available on request!



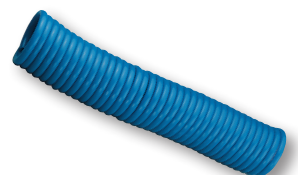
Spiral hose made of polyamide

yard goods

H-SPM-PU

order-no.	type	ø A mm	ø I mm	working- length m	sleeve- outside mm	block- length mm	VPE
14820002	H-SPM-PU-6/3.6-15-blau	6	3,6	15	38	1040	1
14820001	H-SPM-PU-8/5-20-blau	8	5,0	20	58	1055	1
14820003	H-SPM-PU-10/6.5-20-blau	10	6,5	20	74	1000	1
14820004	H-SPM-PU-12/8-20-blau	12	8,0	20	92	1000	1
14820005	H-SPM-PU-16/10-20-blau	16	10,0	20	109	1030	1

Other sizes available on request!



Application: spiral hoses are used for the compressed air supply for mobile machine components as well as for space-saving hose lines. They are applied in all cases where flexible connections are needed and where space-saving large tube lengths are necessary, e.g. with pneumatic tools.

Polyamide spirals find use where a good chemical resistance as well as relatively high temperatures are demanded. Further the PP spiral hose is characterized by its low weight and its high pressure resistance.

Advantage: easy handling because of low weight. With regard to fittings, mainly quick connectors of the series A are used, with kink protection spring, type A-GE dF.

Technical data

Temperature range	: -40°C up to +90°C
Medium*	: compressed air, gases and liquids
Mech. characteristics	: low weight, shock-resistant, relatively high pressure resistance with small wall thickness
Chem. resistance*	: to a large extent resistant to oils, greases, fuels and hydrocarbons, many organic solvents, aqueous acids, caustic solutions and salts. Depending on the application, the resistance and temperature values given in the respective technical literature should be observed.
Tolerances	: Outside diameter 4 bis 10 mm : -0,07 bis + 0,05 mm Outside diameter 12 mm : ± 0,10 mm, wall thickness: ± 0,10 mm
Colour	: blue

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability.

Material : Polyamide, PA 12 W - according to DIN 73378

Spiral hose made of polyamide with ends, kink protection springs and screw connections

H-SPK-PA

order-no.	type	ø A mm	ø I mm	Gew	working length m	sleeve- outside mm	block- length mm	end length mm	allowed pressure on 20°C in bar	VPE
14817521	H-SPK-PA-6/4-1/8-2.5	6	4	1/8"	2,5	60	200	80	27	1
14813522	H-SPK-PA-6/4-1/8-5	6	4	1/8"	5,0	60	280	80	27	1
14819523	H-SPK-PA-6/4-1/8-7.5	6	4	1/8"	7,5	60	430	80	27	1
14814526	H-SPK-PA-8/6-1/4-2.5	8	6	1/4"	2,5	90	140	80	19	1
14810527	H-SPK-PA-8/6-1/4-5	8	6	1/4"	5,0	90	190	80	19	1
14816528	H-SPK-PA-8/6-1/4-7.5	8	6	1/4"	7,5	90	430	80	19	1
14818531	H-SPK-PA-10/8-1/4-2.5	10	8	1/4"	2,5	110	160	80	15	1
14814532	H-SPK-PA-10/8-1/4-5	10	8	1/4"	5,0	110	320	80	15	1
14810533	H-SPK-PA-10/8-1/4-7.5	10	8	1/4"	7,5	110	500	80	15	1
14815536	H-SPK-PA-12/9-3/8-2.5	12	9	3/8"	2,5	114	195	80	19	1
14811537	H-SPK-PA-12/9-3/8-5	12	9	3/8"	5,0	114	390	80	19	1
14817538	H-SPK-PA-12/9-3/8-7.5	12	9	3/8"	7,5	114	590	80	19	1

Other sizes available on request!



Spiral hose made of polyamide yard goods

H-SPM-PA

order-no.	type	ø A mm	ø I mm	working length m	sleeve- outside mm	block- length mm	VPE
14822014	H-SPM-PA-4,3/3-15	4,3	3	15,0	38,6	1200	1
14826024	H-SPM-PA-6/4-15	6,0	4	15,0	60	1000	1
14823029	H-SPM-PA-8/6-15	8,0	6	15,0	90	1000	1
14827034	H-SPM-PA-10/8-12.5	10,0	8	12,5	110	680	1
14824039	H-SPM-PA-12/9-12.5	12,0	9	12,5	140	680	1

Other sizes available on request!



Features

- flame retardant according to UL 94-V0/V2
- resistant to welding splashes
- halogen-free according to EN 50267-2-1
- self-extinguishing in case of fire
- LABS-free (free of paint wetting inhibiting substances)
- very elastic
- drag chain capable
- plasticizer free
- very good abrasion resistance
- kink-resistant

Fields of application

- welding machines
- welding robot
- automatic welding machines
- spot-welding guns
- welding related area

Technical data

Temperature range : -40°C up to +90°C
 Colour : grey

* If not used in the typical applications in the pneumatic sector, the user has to assure that this article is chemically and mechanically resistant against the media used considering all factors like temperature, pressure, radiation etc. In case the instructions are not observed, Timmer GmbH does not assume any liability.

Material : Polyurethane 51 Shore D, burning behaviour according to UL94-V0/V2

order-no.	type	ø A mm	ø I mm	allowed pressure on 20°C in bar	min. bend radius mm	VPE m
14051100	H-S50-4/2-grau	4	2	27	7	50
14051101	H-S50-6/4-grau	6	4	20	8	50
14051102	H-S50-8/4-grau	8	4	18	9	50
14051103	H-S50-10/6-grau	10	6	21	15	50
14051104	H-S50-12/8-grau	12	8	18	26	50
14051105	H-S50-14/10-grau	14	10	13	38	50
14051106	H-S50-16/11-grau	16	11	15	65	50



H10

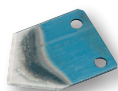


Schlauchschneider - Aluminium

H-SLS-AL

Einsatz: Dieser Schlauchschneider findet überall dort Einsatz, wo Schläuche rechtwinklig, einfach und schnell zugeschnitten werden müssen.

order-no.	type	für Schlauch-Außendurchmesser mm	VPE
14990002	H-SLS-3-12-AL	3 bis 12	1
14992004	H-SLS-12-25-AL	12 bis 25	1

Ersatzmesser für Schlauchschneider
nur für H-SLS-AL

H-SLM

Einsatz: Diese Ersatzmesser werden als Ersatzklingen für den Schlauchschneider H-SLS verwendet.

order-no.	type	für Schlauchschneider	VPE
14994010	H-SLM-3-12	H-SLS-3-12-AL	5
14999012	H-SLM-12-25	H-SLS-12-25-AL	10



Schlauchschneider - Kunststoff

H-SLS-KU

Einsatz: Dieser Schlauchschneider findet überall dort Einsatz, wo Schläuche rechtwinklig, einfach und schnell zugeschnitten werden müssen.

order-no.	type	für Schlauch-Außendurchmesser mm	VPE
14990006	H-SLS-4/14-KU	4 bis 14	10