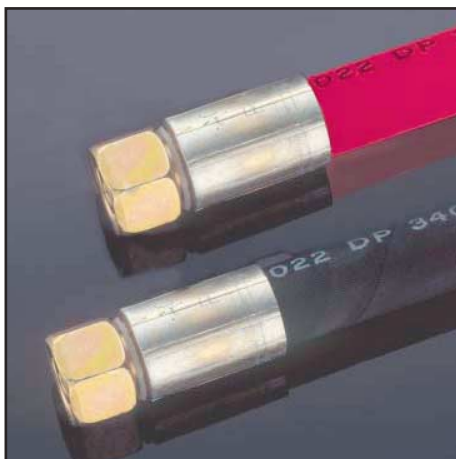
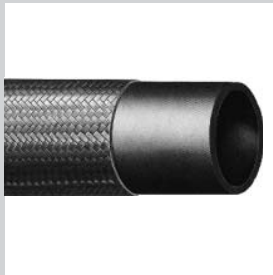


## Product range 0 – Hydraulic hoses





## TF 100

### Flexible P.T.F.E. hose

tube: P.T.F.E. (polytetrafluorethylene) reinforcement: one stainless steel braid, application range: average pressure application with hydraulic fluids within a high temperature range, as well as aggressive media, temperature range: -60°C to +260°C

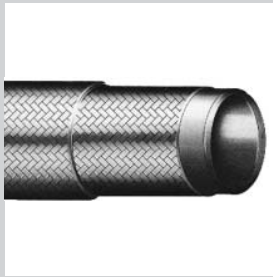
Article category 100

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
TF 104	4	3	3/16	4,7	7,8	276	27,6	4002	828	82,8	12006	51
TF 106	6	4	1/4	6,3	9,5	224	22,4	3248	672	67,2	9744	76
TF 108	8	5	5/16	7,9	11,0	207	20,7	3002	621	62,1	9005	101
TF 110	10	6	3/8	9,5	12,5	183	18,3	2654	552	55,2	8004	127
TF 113	13	8	1/2	12,8	15,8	161	16,1	2335	483	48,3	7004	152
TF 116	16	10	5/8	16,0	18,9	110	11,0	1595	345	34,5	5003	178
TF 120	20	12	3/4	19,1	23,4	103	10,3	1494	310	31,0	4495	203
TF 125	25	16	1	25,4	29,7	80	8	1160	241	24,1	3495	305

#### Utilisation range of permissible working pressure:

- 60°C up to +

100°C	150°C	200°C	250°C	260°C
100%	93%	85%	77%	70%



## TF 200

### Flexible P.T.F.E. hose

tube: P.T.F.E. (polytetrafluorethylene) reinforcement: two stainless steel braids scope: average pressure application with hydraulic fluids within a high temperature range, as well as aggressive media temperature range: -60°C to +260°C

Article category 100

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
TF 206	6	4	1/4	6,3	11,0	298	29,8	4321	841	84,1	12195	83
TF 208	8	5	5/16	8,2	13,2	282	28,2	4089	813	81,3	11789	114
TF 210	10	6	3/8	9,7	15,0	252	25,2	3654	724	72,4	10498	121
TF 213	13	8	1/2	12,8	18,8	234	23,4	3393	689	68,9	9990	150
TF 216	16	10	5/8	16,0	21,5	172	17,2	2494	496	49,6	7192	165
TF 220	20	12	3/4	19,4	25,5	151	15,1	2190	448	44,8	6496	228
TF 225	25	16	1	25,0	31,0	103	10,3	1494	344	34,4	4988	300

#### Utilisation range of permissible working pressure:

- 60°C up to +

100°C	150°C	200°C	250°C	260°C
100%	93%	85%	77%	70%



## ND 100

### Low pressure hose, push-lock hose

tube: oil resistant synthetic rubber reinforcement: one textile braid  
 cover: synthetic rubber with high abrasion, ozone and weather  
 resistance temperature range: -40°C to +100°C, recommended  
 fluids: mineral oil, polyglycol and water/ oil emulsions, water  
 (similar to SAE 100 R6)

Article category 101

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
ND 106	6	4	1/4	6,4	11,9	21	2,1	304	84	8,4	1218	75
ND 110	10	6	3/8	9,5	15,6	21	2,1	304	84	8,4	1218	75
ND 113	13	8	1/2	12,7	19,1	21	2,1	304	84	8,4	1218	125



## ND 300

### Low pressure hose, push-lock hose

tube: oil resistant synthetic rubber reinforcement: one textile braid cover: synthetic rubber with high abrasion, ozone and weather resistance temperature range: -40°C to +100°C recommended fluids: mineral oil, glycol and water oil emulsions, water DIN EN 854/R6 (SAE 100 R6)

Article category 102

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
ND 306	6	4	1/4	6,4	12,7	28	2,8	406	112	11,2	1624	64
ND 310	10	6	3/8	9,5	15,9	28	2,8	406	112	11,2	1624	76
ND 313	13	8	1/2	12,7	19,8	28	2,8	406	112	11,2	1624	100
ND 316	16	10	5/8	15,9	23	24	2,4	348	97	9,7	1406,5	125
ND 320	20	12	3/4	19,0	25,9	21	2,1	304	83	8,3	1204	150
ND 325	25	16	1	25,4	31,9	21	2,1	304	97	9,7	1406,5	152



## TE 100

### Textile reinforced hose

tube: oil resistant synthetic rubber reinforcement: one textile braid cover: synthetic rubber with high abrasion, ozone and weather resistance temperature range: -40°C to +100°C, application range: hydraulic systems with hydraulic fluids on mineral oil, glycol and water emulsion basis EN 854/1TE

Article category 103

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
TE 104	4	3	3/16	4,8	10,8	25	2,5	363	100	10	1450	35
TE 106	6	4	1/4	6,4	12,4	25	2,5	363	100	10	1450	45
TE 108	8	5	5/16	8	13,9	20	2	290	80	8	1160	65
TE 110	10	6	3/8	10	15,5	20	2	290	80	8	1160	75
TE 113	13	8	1/2	12	18,7	16	1,6	232	64	6,4	928	90
TE 116	16	10	5/8	16	22,9	16	1,6	232	64	6,4	928	115
TE 120	20	12	3/4	20	26	12	1,2	174	48	4,8	696	165
TE 125	25	16	1	25	33	12	1,2	174	48	4,8	696	220



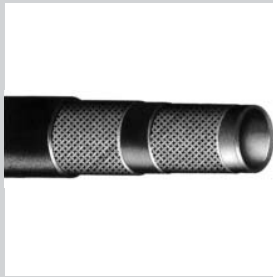
## TE 200

### Textile reinforced hose

tube: oil resistant synthetic rubber reinforcement: one or two steel braid(s), cover: synthetic rubber with high abrasion, ozone and weather resistance, temperature range: -40°C to +100°C  
 application: hydraulic systems with hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 854/ 2TE

Article category 104

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
TE 204	4	3	3/16	5	11,8	80	8	1160	320	32	4640	25
TE 206	6	4	1/4	6	13,4	75	7,5	1087	300	30	4350	40
TE 208	8	5	5/16	8	14,9	68	6,8	986	272	27,2	3944	50
TE 210	10	6	3/8	10	16,5	63	6,3	913	252	25,2	3654	60
TE 213	13	8	1/2	12	19,7	58	5,8	841	232	23,2	3364	70
TE 216	16	10	5/8	16	23,9	50	5	725	200	20	2900	90
TE 220	20	12	3/4	20	27,0	45	4,5	652	180	18	2610	110
TE 225	25	16	1	25	34,4	40	4	580	160	16	2320	130
TE 232	32	20	1 1/4	31,8	41,3	35	3,5	508	140	14	2030	140



## TE 300

### Textile reinforced hose

tube: oil resistant synthetic rubber reinforcement: two textile braids cover: synthetic rubber with high abrasion, ozone and weather resistance temperature range: -40°C to +100°C application range: for hydraulic fluids on mineral oil, glycol and water-emulsion basis DIN EN 854/3TE

Article category 105

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
TE 304	4	3	3/16	5	12,8	160	16	2320	640	64	9280	40
TE 306	6	4	1/4	6,4	14,6	145	14,5	2103	580	58	8410	45
TE 308	8	5	5/16	8	16,9	130	13	1885	520	52	7540	55
TE 310	10	6	3/8	9,5	18,5	110	11	1595	440	44	6380	70
TE 313	13	8	1/2	12,7	21,7	93	9,3	1348	372	37,2	5394	85
TE 316	16	10	5/8	16	25,9	80	8	1160	320	32	4640	105
TE 320	20	12	3/4	19	29	70	7	1015	280	28	4060	130
TE 325	25	16	1	25,4	35,9	55	5,5	798	220	22	3190	150
TE 332	32	20	1 1/4	31,8	42,3	45	4,5	652	180	18	2610	190
TE 340	40	24	1 1/2	38,1	49,6	40	4	580	160	16	2320	240
TE 350	50	32	2	50,8	62,3	33	3,3	479	132	13,2	1914	300
TE 360	60	40	2 1/2	60	72	25	2,5	362	100	10	1450	400





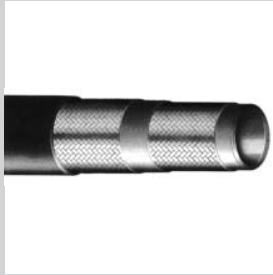
## MD 100

### Medium pressure hose

tube: synthetic oil resistant rubber reinforcement: one textile braid, one high tensile steel braid, cover: textile braid embedded with synthetic rubber, application range: for hydraulic fluids on mineral oil, glycol and water-emulsion basis, lubricants, temperature range: -40°C to +100°C, (SAE 100 R5)

Article category 106

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
MD 104	4	3	3/16	4,8-5,5	12,7-13,7	207	20,7	3000	827	82,7	11992	75
MD 106	6	4	1/4	6,4	14,8	207	20,7	3000	827	82,7	11992	86
MD 108	8	5	5/16	8	17,2	155	15,5	2250	620	62	8990	102
MD 110	10	6	3/8	10,3	19,4	138	13,8	2000	552	55,2	8004	117
MD 113	13	8	1/2	12,7	23,4	121	12,1	1750	483	48,3	7003	140
MD 116	16	10	5/8	16	27,4	103	10,3	1500	414	41,4	6003	165
MD 120	20	12	3/4	22,2	31,4	55	5,5	800	221	22,1	3204	187
MD 125	25	16	1	28,6	38,1	43	4,3	625	172	17,2	2494	229
MD 132	32	20	1 1/4	34,9	44,5	34	3,4	500	138	13,8	2001	267
MD 140	40	24	1 1/2	46	56,4	24	2,4	350	97	9,7	1406	337



## MD 200

### Medium pressure hose

tube: oil resistant synthetic rubber, reinforcement: two textile braids, one high tensile steel braid, cover: oil resistant synthetic elastomer, temperature range: -40°C to +100°C, recommended fluids: for hydraulic fluids on mineral oil, glycol and water-emulsion basis, lubricants, (SAE 100 R5R)

Article category 107

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
MD 204	4	3	3/16	4,8	13,2	207	20,7	3000	827	82,7	11991,5	75
MD 206	6	4	1/4	6,4	14,8	207	20,7	3000	827	82,7	11991,5	85
MD 208	8	5	5/16	7,9	17,2	155	15,5	2250	620	62	8990	100
MD 210	10	6	3/8	10,3	19,5	138	13,8	2000	552	55,2	8004	120
MD 213	13	8	1/2	12,7	23,4	121	12,1	1750	483	48,3	7003,5	140
MD 216	16	10	5/8	15,9	27,4	103	10,3	1500	414	41,4	6003	165
MD 220	20	12	3/4	22,2	31,4	55	5,5	800	221	22,1	3204,5	185
MD 225	25	16	1	28,6	38,1	43	4,3	625	172	17,2	2494	229
MD 232	32	20	1 1/4	34,9	44,5	34	3,4	500	138	13,8	2001	265



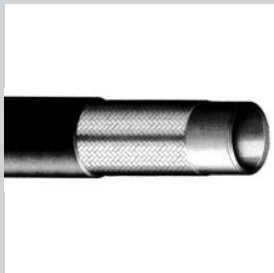
## MD 800

### Medium pressure hose

tube: oil resistant synthetic rubber, reinforcement: one textile braid, one high tensile steel braid, cover: one braid embedded in synthetic rubber, temperature range: -40°C to +100°C/ +150° at reduced working pressure, application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis (SAE 100 R5R)

Article category 107

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
MD 820	20	12	3/4	22	31	41	4,1	600	225	22,5	2407	185
MD 825	25	16	1	29	38	35	3,5	500	175	17,5	2001	230
MD 832	32	20	1 1/4	35	44	17	1,7	250	140	14,0	1000,5	265



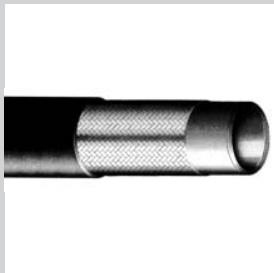
## KP 100

### High pressure hose, thin cover

tube: oil resistant synthetic rubber, reinforcement: one high tensile steel braid, cover: synthetic rubber with high abrasion, ozone and weather resistance, temperature range: -40°C and +100°C, DIN EN 857/1SC

Article category 109

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
KP 106	6	4	1/4	6,4	12	225	22,5	3265	1050	105	15225	50
KP 108	8	5	5/16	7,9	14	215	21,5	3119	1000	100	14500	55
KP 110	10	6	3/8	9,5	15,6	180	18	2610	850	85	12325	60
KP 113	13	8	1/2	12,7	18,8	160	16	2320	660	66	9570	70
KP 116	16	10	5/8	15,9	22	130	13	1885	620	62	8990	90
KP 120	20	12	3/4	19	26,1	105	10,5	1525	480	48	6960	100
KP 125	25	16	1	25,4	33,6	88	8,8	1275	380	38	5510	160



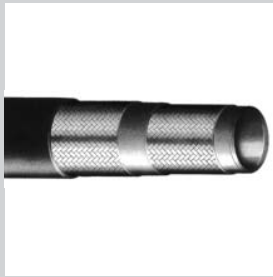
## KP 100 P

### Compact hose „Pilot“, high ozone resistance

tube: oil resistant synthetic rubber, reinforcement: one high tensile steel braid, cover: special synthetic rubber with high abrasion, ozone and outstanding weather resistance, temperature range: -40°C to +120°C

Article category 109

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
KP 106 P	6	4	1/4	6,4	11,5	120	12	1740	480	48	6960	25
KP 108 P	8	5	5/16	7,9	13,1	120	12	1740	480	48	6960	30
KP 110 P	10	6	3/8	9,5	14,8	100	10	1450	400	40	5800	40
KP 113 P	13	8	1/2	12,7	18	100	10	1450	400	40	5800	50



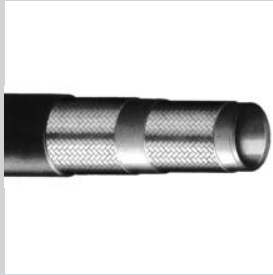
## KP 200

### High pressure hose, thin cover

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high abrasion, ozone and weather resistance, temperature range: -40°C and +100°C, DIN EN 857/2SC

Article category 109

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
KP 206	6	4	1/4	6,4	13,6	400	40	5800	1850	185	26825	45
KP 208	8	5	5/16	7,9	15,2	350	35	5075	1700	170	24650	55
KP 210	10	6	3/8	9,5	17,4	330	33	5800	1500	150	21750	65
KP 213	13	8	1/2	12,7	20,7	275	27,5	3990	1220	122	17690	80
KP 216	16	10	5/8	15,9	23,7	250	25	3625	1050	105	15225	90
KP 220	20	12	3/4	19	27,7	215	21,5	3120	920	92	13340	120
KP 225	25	16	1	25,4	35,7	165	16,5	2395	720	72	10440	160



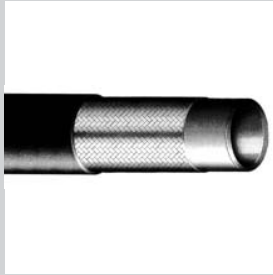
## KP 200 0

### High pressure hose with increased ozone resistance

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high temperature, ozone and temperature resistance, temperature range: -40°C to +121°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 857/2SC

Article category 111

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
KP 206 0	6	4	1/4	6,4	13,1	400	40	5800	1850	185	26820	45
KP 208 0	8	5	5/16	7,9	14,7	350	35	5070	1700	170	24650	55
KP 210 0	10	6	3/8	9,5	16,8	330	33	4780	1500	150	21750	65
KP 213 0	12	8	1/2	12,7	20,1	275	27,5	3980	1220	122	17690	80
KP 216 0	16	10	5/8	15,9	23,5	250	25	3620	1050	105	15220	90
KP 220 0	20	12	3/4	19	27,6	215	21,5	3110	920	92	13340	120
KP 225 0	25	16	1	25,4	35,4	165	16,5	2390	720	72	10440	160



## HD 100

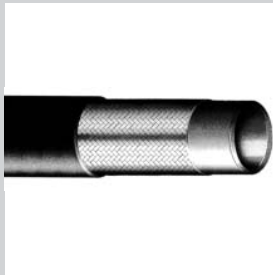
### High pressure hose, thick cover

tube: oil resistant synthetic rubber, reinforcement: one high tensile steel braid, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
 application range: hydraulic systems with hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 853/1SN (SAE 100 R1AT)

Article category 110

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 104	4	3	3/16	4,8	11,6	250	25	3625	1000	100	14500	90
HD 106	6	4	1/4	6,4	13,1	225	22,5	3262	900	90	13050	100
HD 108	8	5	5/16	7,9	15	215	21,5	3070	850	85	12325	115
HD 110	10	6	3/8	9,5	17	180	18	2610	720	72	10440	130
HD 113	13	8	1/2	12,7	20,6	160	16	2321	640	64	9280	180
HD 116	16	10	5/8	15,9	23,7	130	13	1886	520	52	7540	200
HD 120	20	12	3/4	19	27,8	105	10,5	1500	420	42	6090	240
HD 125	25	16	1	25,4	35,8	88	8,8	1255	350	35	5075	300
HD 132	32	20	1 1/4	31,8	43,8	63	6,3	910	250	25	3625	420
HD 140	40	24	1 1/2	38,1	50,6	50	5	725	200	20	2900	500
HD 150	50	32	2	50,8	64	40	4	580	160	16	2320	630





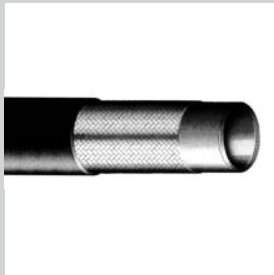
## HD 100 A

### High pressure hose, thick cover

tube: oil resistant synthetic rubber, reinforcement: one high tensile steel braid, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 853/1ST (SAE 100 R1A)

Article category 110

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 106 A	6	4	1/4	6,4	15,7	225	22,5	3265	900	90	13050	100
HD 108 A	8	5	5/16	7,9	17,3	215	21,5	3120	850	85	12325	115
HD 110 A	10	6	3/8	9,5	19,8	180	18	2600	720	72	10440	130
HD 113 A	13	8	1/2	12,7	22,8	160	16	2320	640	64	9280	180
HD 116 A	16	10	5/8	15,9	26	130	13	1885	520	52	7540	200
HD 120 A	20	12	3/4	19	30	105	10,5	1525	420	42	6090	240
HD 125 A	25	16	1	25,4	37,8	88	8,8	1276	350	35	5075	300
HD 132 A	32	20	1 1/4	31,8	45,8	63	6,3	945	250	25	3625	420
HD 140 A	40	24	1 1/2	38,1	52,1	50	5	725	200	20	2900	500
HD 150 A	50	32	2	50,8	66,4	40	4	580	160	16	2320	630



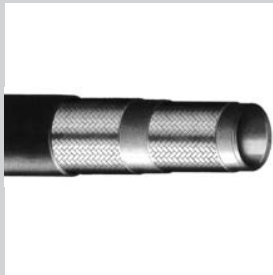
## HD 100 T

### High pressure hose „Equator“, temperature resistant

tube: oil resistant synthetic rubber, reinforcement: one high tensile steel braid, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -55°C to +135°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis

Article category 110

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 106 T	6	4	1/4	6,4	13,5	225	22,5	3265	1000	100	14500	100
HD 108 T	8	5	5/16	7,9	15	215	21,5	3120	900	90	13050	115
HD 110 T	10	6	3/8	9,5	17,4	180	18	2610	800	80	11600	130
HD 113 T	13	8	1/2	12,7	20,7	160	16	2320	680	68	9860	180
HD 116 T	16	10	5/8	15,9	23,8	130	13	1885	600	60	8700	200
HD 120 T	20	12	3/4	19	27,8	105	10,5	1525	500	50	7250	240
HD 125 T	25	16	1	25,4	35,8	88	8,8	1275	360	36	5220	300



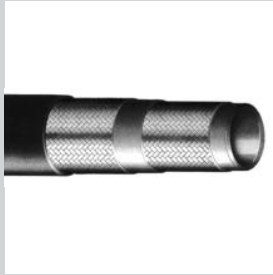
## HD 200

### High pressure hose

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 853/2SN (SAE 100 R2AT)

Article category 111

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 204	4	3	3/16	4,8	13,3	415	41,5	6020	1650	165	23925	90
HD 206	6	4	1/4	6,4	14,8	400	40	5800	1600	160	23200	100
HD 208	8	5	5/16	7,9	16,3	350	35	5075	1400	140	20300	115
HD 210	10	6	3/8	9,5	18,7	330	33	4785	1320	132	19140	130
HD 213	12	8	1/2	12,7	21,8	275	27,5	3990	1100	110	15950	180
HD 216	16	10	5/8	16	27,8	250	25	3625	1000	100	14500	200
HD 220	20	12	3/4	19	31,8	215	21,5	3120	850	85	12325	240
HD 225	25	16	1	25,4	38,1	165	16,5	2393	650	65	9425	300
HD 232	32	20	1 1/4	31,8	47	125	12,5	1812	500	50	7250	420
HD 240	40	24	1 1/2	38,1	53,4	90	9	1305	360	36	5220	500
HD 250	50	32	2	50,8	66,2	80	8	1160	320	32	4640	630



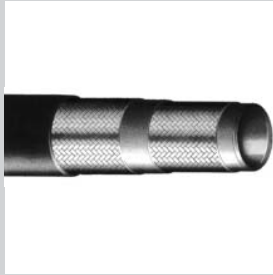
## HD 200 A

### High pressure hose, thick cover

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis DIN EN 853/2ST (SAE 100 R2A)

Article category 111

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 206 A	6	4	1/4	6,4	17,3	400	40	5800	1600	160	23200	100
HD 208 A	8	5	5/16	7,9	18,9	350	35	5075	1400	140	20300	115
HD 210 A	10	6	3/8	9,5	21,4	330	33	4800	1320	132	19140	130
HD 213 A	13	8	1/2	12,7	24,5	275	27,5	3990	1100	110	15950	180
HD 216 A	16	10	5/8	15,9	27,8	250	25	3600	1000	100	14500	200
HD 220 A	20	12	3/4	19	31,6	215	21,5	3120	850	85	12325	240
HD 225 A	25	16	1	25,4	39,5	165	16,5	2392	650	65	9425	300
HD 232 A	32	20	1 1/4	31,8	50,6	125	12,5	1812	500	50	7250	420
HD 240 A	40	24	1 1/2	38,1	57	90	9	1305	360	36	5220	500
HD 250 A	50	32	2	50,8	69,8	80	8	1160	320	32	4640	630
HD 260 A	60	38	2 3/8	60,0	71,5	90	9	1305	360	36	5220	650



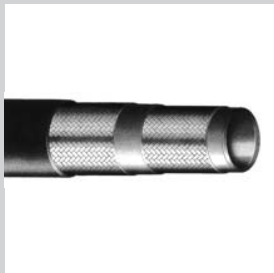
## HD 200 L

### High pressure hose „Lyte-Flex“

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis, (SAE 100 R16)

Article category 111

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 206 L	6	4	1/4	6,4	13,8	350	35	5075	1379	137,9	19995,5	51
HD 208 L	8	5	5/16	7,9	15	300	30	4350	1200	120	17400	57
HD 210 L	10	6	3/8	9,5	16,9	280	28	4060	1120	112	16240	64
HD 213 L	13	8	1/2	12,7	20	245	24,5	3555	980	98	14210	89
HD 216 L	16	10	5/8	15,9	23,6	190	19	2755	760	76	11020	101
HD 220 L	20	12	3/4	19	27,7	155	15,5	2250	620	62	8990	121
HD 225 L	25	16	1	25,4	34,6	138	13,8	2000	552	55,2	8004	152
HD 232 L	32	20	1 1/4	31,8	42,6	112	11,2	1625	448	44,8	6496	209



## HD 200 T

### High pressure hose „Equator“, high temperature resistance

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -55°C to +135°C  
 application range: for hydraulic fluids on mineral oil, glycol and water emulsion basis

Article category 111

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 206 T	6	4	1/4	6,4	15	400	40	5800	1725	172,5	25012,5	100
HD 208 T	8	5	5/16	7,9	16,5	350	35	5075	1440	144	20880	115
HD 210 T	10	6	3/8	9,5	19	330	33	4785	1400	140	20300	130
HD 213 T	13	8	1/2	12,7	22	275	27,5	3987	1200	120	17400	180
HD 216 T	16	10	5/8	15,9	25,2	250	25	3625	1030	103	14935	200
HD 220 T	20	12	3/4	19	29	215	21,5	3120	900	90	13050	240
HD 225 T	25	16	1	25,4	37	175	17,5	2540	700	70	10150	300
HD 232 T	32	20	1 1/4	31,8	47	150	15	2175	600	60	8700	420
HD 240 T	40	24	1 1/2	38,1	53,4	100	10	1450	410	41	5945	500
HD 250 T	50	32	2	50,8	66,2	90	9	1305	370	37	5365	630



## HD 400

### High pressure hose

tube: oil resistant synthetic rubber, reinforcement: four high tensile steel spirals, cover: synthetic rubber with high temperature, ozone and abrasion resistance temperature range: -40°C to +100°C recommended fluids: mineral oil, water, glycol, mineral oil/ water emulsions, DIN EN 856/4SP

Article category 113

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 406	6	4	1/4	6,4	17,8	450	45	6525	1800	180	26100	150
HD 410	10	6	3/8	9,5	21,4	445	44,5	6452	1780	178	25810	180
HD 413	13	8	1/2	12,7	24,7	415	41,5	6017	1660	166	24070	230
HD 416	16	10	5/8	15,9	28,3	350	35	5075	1400	140	20300	250
HD 420	20	12	3/4	19	32,1	350	35	5075	1400	140	20300	300



## HD 500

### High pressure hose

tube: oil resistant synthetic rubber, reinforcement: four high tensile steel spirals, cover: synthetic rubber with high temperature, ozone and abrasion resistance, temperature range: -40°C to +100°C  
recommended fluids: mineral oil, water, glycol, mineral oil/ water emulsions, DIN EN 856/4SH

Article category 113

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 520	20	12	3/4	19	32,1	420	42	6090	1680	168	24360	280
HD 525	25	16	1	25,4	38,3	380	38	5510	1520	152	22040	340
HD 532	32	20	1 1/4	31,8	45,5	325	32,5	4710	1300	130	18850	460
HD 540	40	24	1 1/2	38,1	53,5	290	29	4205	1160	116	16820	560
HD 550	50	32	2	50,8	68,1	250	25	3625	1000	100	14500	700





## HD 600

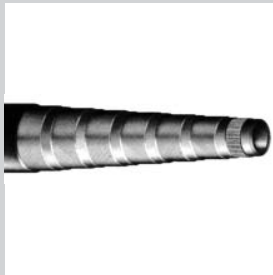
### High pressure hose

tube: oil resistant synthetic rubber, reinforcement: six high tensile steel spirals, cover: oil and abrasion resistant rubber , temperature range: -40°C to +121°C , recommended fluids: mineral oil, water, glycol, mineral- and water emulsions, DIN EN 856/R13 (SAE 100 R13)

Article category 114

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	

HD 650	50	32	2	50,8	71,8	345	34,5	5002	1379	137,9	19995,5	635
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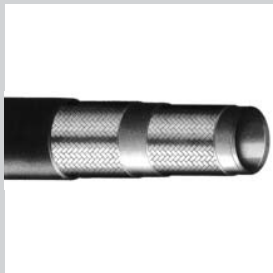
## HD 700

### High pressure hose

tube: oil resistant synthetic rubber, reinforcement: 4 (< DN31) or 6 (>DN31) high tensile strength steel spirals, cover: oil and abrasion resistant rubber , temperature range: -40°C to +121°C  
recommended fluids: mineral oil, water, glycol, mineral oil/ water emulsions, (SAE 100 R15)

Article category 114

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HD 720	20	12	3/4	19	32	420	42	6090	1655	165,5	23997,5	267
HD 725	25	16	1	25,4	38,2	420	42	6090	1655	165,5	23997,5	267
HD 732	32	20	1 1/4	31,8	50	420	42	6090	1655	165,5	23997,5	267
HD 740	40	24	1 1/2	38,1	57,3	420	42	6090	1655	165,5	23997,5	315



## HDB 200

### High pressure hose, mining approval

tube: oil resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: synthetic rubber with ozone, weather and abrasion resistance, flame retardant, mining approval, temperature range: -40°C to +100°C, DIN EN 853/2ST

Article category 115

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HDB 206	6	4	1/4	6,4	17,5	400	40	5800	1600	160	23200	100
HDB 208	8	5	5/16	7,9	19,1	350	35	5075	1400	140	20300	115
HDB 210	10	6	3/8	9,5	21,5	330	33	4785	1320	132	19140	130
HDB 213	13	8	1/2	12,7	24,7	275	27,5	3990	1170	117	16965	180
HDB 216	16	10	5/8	15,9	27,8	250	25	3625	1020	102	14790	200
HDB 220	20	12	3/4	19	31,8	215	21,5	3120	850	85	12325	240
HDB 225	25	16	1	25,4	39,7	165	16,5	2392	700	70	10150	300
HDB 232	32	20	1 1/4	31,8	50,8	125	12,5	1812	500	50	7250	420
HDB 240	40	24	1 1/2	38,1	57,2	90	9	1305	360	36	5220	500
HDB 250	50	32	2	50,8	69,8	80	8	1160	320	32	4640	630



## HDB 400

### High pressure hose, mining approval

tube: oil resistant synthetic rubber, reinforcement: four high tensile steel spirals, cover: synthetic rubber with high ozone, weather and abrasion resistance, flame retardant, mining approval, temperature range: -40°C to 121°C, DIN EN 856/ 4SP

Article category 116

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HDB 406	6	4	1/4	6,4	17,8	450	45	6525	1800	180	26100	150
HDB 410	10	6	3/8	9,5	21,4	445	44,5	6452	1780	178	25810	180
HDB 413	13	8	1/2	12,7	24,7	415	41,5	6017	1660	166	24070	230
HDB 416	16	10	5/8	15,9	28,3	350	35	5075	1400	140	20300	250
HDB 420	20	12	3/4	19	32,1	350	35	5075	1400	140	20300	300
HDB 425	25	16	1	25,4	39,8	280	28	4060	1120	112	16240	340



## HDB 500

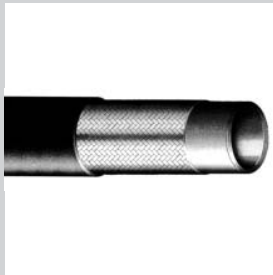
### High pressure hose, mining approval

tube: oil resistant synthetic rubber, reinforcement: four high tensile steel spirals, cover: synthetic rubber with high ozone, weather and abrasion resistance, flame retardant, mining approval, temperature range: -40°C to +121°C, DIN EN 856/4SH

Article category 116

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	

HDB 532	32	20	1 1/4	31,8	45,2	325	32,5	4712	1300	130	18850	460
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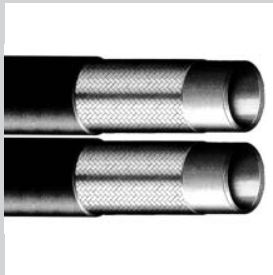
## NY 700

### Thermoplastic high pressure hose

tube: polyester elastomer or polyamide, reinforcement: two high tensile polyester braids, cover: polyurethane, temperature range: -40°C to +100°C, recommended fluids: mineral oil, phosphate ester, ASTM1, ASTM3, lubricating oil, ethylen-glycol, application range: for high-pressure hydraulic systems, especially for forklifter, DIN EN 855/R7 (SAE 100 R7)

Article category 118

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 702	3	2	1/8	3	6,8	210	21	3000	840	84	12000	30
NY 703	4	2,5	5/32	4	8,3	240	24	3500	960	96	14000	35
NY 704	5	3	3/16	5	9,7	210	21	3000	840	84	12000	75
NY 706	6	4	1/4	6	12,1	215	21,5	3100	860	86	12400	100
NY 708	8	5	5/16	8	13,8	190	19	2750	760	76	11000	115
NY 710	10	6	3/8	10	16,1	160	16	2325	640	64	9300	125
NY 713	12	8	1/2	12	19,4	140	14	2000	560	56	8000	175
NY 716	16	10	5/8	16	23,6	105	10,5	1500	415	41,5	6000	200
NY 720	20	12	3/4	20	27,2	85	8,5	1250	345	34,5	5000	240
NY 725	25	16	1	25	34,3	70	7	1000	275	27,5	4000	300



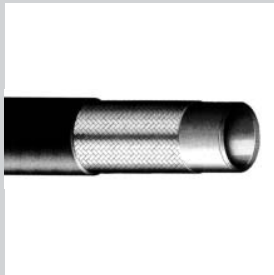
## NYZ 700

### Thermoplastic high pressure hose, dual combination

tube: polyester elastomer or polyamide, reinforcement: two high tensile polyester braids, cover: polyurethane, temperature range: -40°C to +100°C, recommended fluids: mineral oil, phosphate ester, ASTM1, ASTM3, lubricating oil, ethylen-glycol, application range: for high-pressure hydraulic systems, especially for forklifter, DIN EN 855/R7 (SAE 100 R7)

Article category 118

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NYZ 702	3	2	1/8	3	6,8	210	21	3000	840	84	12000	30
NYZ 703	4	2,5	5/32	4	8,3	240	24	3500	960	96	14000	35
NYZ 704	5	3	3/16	5	9,7	210	21	3000	840	84	12000	75
NYZ 706	6	4	1/4	6	12,1	215	21,5	3100	860	86	12400	100
NYZ 708	8	5	5/16	8	13,8	190	19	2750	760	76	11000	115
NYZ 710	10	6	3/8	10	16,1	160	16	2325	640	64	9300	125
NYZ 713	12	8	1/2	12	19,4	140	14	2000	560	56	8000	175
NYZ 716	16	10	5/8	16	23,6	105	10,5	1500	415	41,5	6000	200
NYZ 720	20	12	3/4	20	27,2	85	8,5	1250	345	34,5	5000	240
NYZ 725	25	16	1	25	34,3	70	7	1000	275	27,5	4000	300



## NY 800

### Thermoplastic high pressure hose

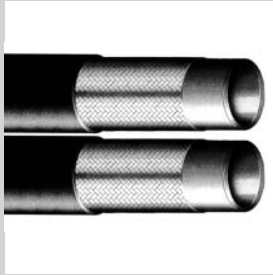
tube: polyester, elastomer, tension carrier: one aramid braid

cover: polyurethane, temperature range: -40°C to +93°C,  
recommended fluids: mineral oil, phosphate ester, ASTM1, ASTM3,  
lubricant oil, ethylene-glycol, (SAE 100 R8)

Article category 119

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 804	5	3	3/16	5	9,0	350	35	5000	1400	140	20000	75
NY 806	6	4	1/4	6	12,3	350	35	5000	1400	140	20000	100
NY 808	8	5	5/16	8	13,8	350	35	5000	1400	140	20000	125
NY 810	10	6	3/8	10	16,0	275	27,5	4000	1100	110	16000	125
NY 813	12	8	1/2	12	19,5	240	24	3500	960	96	14000	175
NY 816	16	10	5/8	15,9	22	190	19	2750	760	76	11020	203
NY 820	20	12	3/4	18,9	26	155	15,5	2250	620	62	8990	240
NY 825	25	16	1	25,4	35	138	13,8	2000	552	55,2	8004	300





## NYZ 800

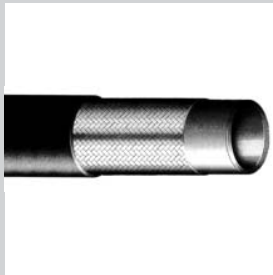
### Thermoplastic high pressure hose, dual combination

tube: polyester, elastomer, tension carrier: one aramid braid

cover: polyurethane, temperature range: -40°C to +93°C,  
recommended fluids: mineral oil, phosphate ester, ASTM1, ASTM3,  
lubricant oil, ethylene-glycol, (SAE 100 R8)

Article category 119

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NYZ 804	5	3	3/16	5	9,0	350	35	5000	1400	140	20000	75
NYZ 806	6	4	1/4	6	12,3	350	35	5000	1400	140	20000	100
NYZ 808	8	5	5/16	8	13,8	350	35	5000	1400	140	20000	125
NYZ 810	10	6	3/8	10	16,0	275	27,5	4000	1100	110	16000	125
NYZ 813	12	8	1/2	12	19,5	240	24	3500	960	96	14000	175
NYZ 816	16	10	5/8	15,9	22	190	19	2750	760	76	11020	203
NYZ 820	20	12	3/4	18,9	26	155	15,5	2250	620	62	8990	240
NYZ 825	25	16	1	25,4	35	138	13,8	2000	552	55,2	8004	300



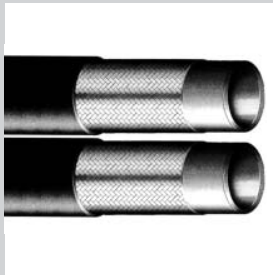
## NY 100

### Thermoplastic high pressure hose

tube: polyester elastomer, reinforcement: one steel wire, cover: polyurethane, color: black, application range: high pressure hydraulic systems, agricultural equipment, forklifter, properties: high chemical resistance, low volumetric dilatation, standards: SAE100R1, DIN24951, BS 4983, ISO 3949

Article category 120

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 104	5	3	3/16	5	9,3	300	30	4350	1200	120	17000	90
NY 106	6	4	1/4	6	11,5	300	30	4350	1200	120	17000	100
NY 108	8	5	5/16	8	13,3	225	22,5	3262	900	90	13050	115
NY 110	10	6	3/8	10	15,0	225	22,5	3262	900	90	13050	125
NY 113	12	8	1/2	12	18,3	180	18	2610	655	65,5	9497	175
NY 116	16	10	5/8	16	21,6	140	14	2030	540	54	7830	230
NY 120	20	12	3,4	19,4	26,7	125	12,5	1815	500	50	7250	170
NY 125	25	16	1	25	33,5	100	10	1450	400	40	5800	230



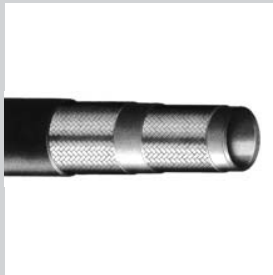
## NYZ 100

### Thermoplastic high pressure hose, dual combination

tube: polyester elastomer, reinforcement: one steel wire,  
 cover: polyurethane, color: black, application range: high pressure  
 hydraulic systems, agricultural equipment, forklifter,  
 properties: high chemical resistance, low volumetric dilatation,  
 standards: SAE100R1, DIN24951, BS 4983, ISO 3949

Article category 120

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NYZ 104	5	3	3/16	5	9,3	300	30	4350	1200	120	17000	90
NYZ 106	6	4	1/4	6	11,5	300	30	4350	1200	120	17000	100
NYZ 108	8	5	5/16	8	13,3	225	22,5	3262	900	90	13050	115
NYZ 110	10	6	3/8	10	15,0	225	22,5	3262	900	90	13050	125
NYZ 113	12	8	1/2	12	18,3	180	18	2610	655	65,5	9497	175



## NY 300

### Thermoplastic high pressure hose

tube: polyamide, tension carrier: two high tensile coiled layers steel wire, one steel wire braid, cover: polyurethane or polyamide, color: black, application range: high pressure applications with hydraulic fluids on mineral oil or synthetic basis, gaseous and chemical fluids for hydraulic machinery as well as for first aid equipments, also available with PA cover DN 6-25 for high pressure applications with flame retardant fluids HFD within the mining sector (SAE 100 R9)

Article category 121

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 306	6	4	1/4	6,3	12,5	450	45	6530	1800	180	26100	70
NY 308	8	5	5/16	8,2	14,3	400	40	5800	1600	160	23200	100
NY 310	10	6	3/8	9,7	17	375	37,5	5440	1500	150	21750	120
NY 313	13	8	1/2	12,8	20,7	350	35	5080	1400	140	20300	165
NY 316	16	10	5/8	16	24,5	330	33	4780	1320	132	19140	200
NY 320	20	12	3/4	19,4	28,5	300	30	4350	1200	120	17400	240
NY 325	25	16	1	25	34	275	27,5	3990	1100	110	15950	280
NY 332	32	20	1 1/4	32	44	275	27,5	3990	1100	110	15950	400



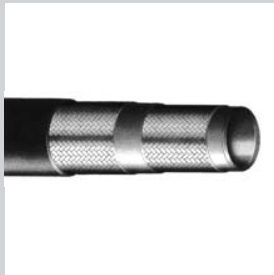
## NY 400

### Thermoplastic high pressure hose

tube: DN4-8 polyoxymethylene, DN10-25: polyamide, tension carrier: four high tensile coiled layers steel wire, cover: polyamide, DN4-8, blue, DN10-25, black, application range: high pressure applications with hydraulic fluids on mineral oil or synthetic basis, gaseous and chemical fluids, main application within the hydraulic bias control, tools, off-shore industry

Article category 122

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 403	3	2,5	5/32	3,9	9,5	2200	220	31900	5500	550	79750	100
NY 404	4	3	3/16	4,7	11,5	1800	180	26100	4500	450	65250	130
NY 408	8	5	5/16	8	15,1	1500	150	21750	3750	375	54375	175
NY 410	10	6	3/8	9,7	19,4	1400	140	20300	3500	350	50750	190
NY 413	13	8	1/2	12,8	22,5	1300	130	18850	3250	325	47125	200
NY 420	20	12	3/4	19,4	30	1000	100	14500	2500	250	36250	250
NY 425	25	16	1	25	37	900	90	13050	2250	225	32625	300



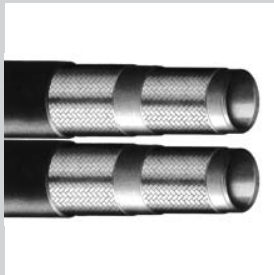
## NY 2106

### Thermoplastic high pressure hose

tube: polyamide, reinforcement: combination of braided and spiral high tensile wire, outer coating: polyurethane, color: black  
 application range: high pressure applications with hydraulic fluids on mineral oil or a synthetic basis, high buckling strength  
 properties: high flexibility at low temperature range, temperature range: -40°C to +100°C, (SAE 100 R10)

Article category 123

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius	
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	(mm)	Farbe
NY 2106	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	schwarz
NY 2106 B	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	blau
NY 2106 GE	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	gelb
NY 2106 R	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	rot



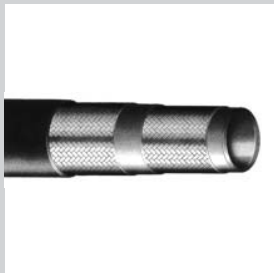
## NYZ 2106

### Thermoplastic high pressure hose, dual combination

tube: polyamide, reinforcement: combination of braided and spiral high tensile wire, outer coating: polyurethane, color: black  
 application range: high pressure applications with hydraulic fluids on mineral oil or a synthetic basis, high buckling strength,  
 properties: high flexibility at low temperature range,  
 temperature range: -40°C to +100°C, (SAE 100 R10)

Article category 123

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius	
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	(mm)	Farbe
NYZ 2106 B	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	blau
NYZ 2106 BGE	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	blau/gelb
NYZ 2106 BR	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	blau/rot
NYZ 2106 GE	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	gelb
NYZ 2106 R	6	4	1/4	6,3	13,3	700	70,0	10150	2800	280	40600	70	rot



## NY 600

### Thermoplastic high pressure hose

tube: DN 4-8: polyoxymethylene, DN 12-20: polyamide,  
 reinforcement: 6 coiled layers steel wire with high tensile strength,  
 cover: polyamide, color: blue

application range: high pressure applications with hydraulic fluids  
 on mineral oil or a synthetic basis, tools, properties: high flexibility  
 at low pressure range, temperature range: -40°C to +100°C

Article category 124

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
NY 603	4	2,5	5/32	3,9	10,6	2800	280	40600	7000	700	101500	140
NY 604	5	3	3/16	4,7	13	2500	250	36250	6250	625	90625	175
NY 608	8	5	5/16	8	16,9	2100	210	30450	5250	525	76120	225
NY 613	13	8	1/2	12,8	24,5	1800	180	26100	4500	450	65250	290
NY 620	20	12	3/4	19,4	33	1400	140	20300	3500	350	50750	350





## GC 100

### Suction or fuel hose

tube: synthetic rubber, reinforcement: one textile braid with steel helical body wire, cover: vulcanised textile braid  
 application range: low-pressure hydraulic hoses for heating oil EL, fluids on mineral or glycol basis, lubricant, compressed air, cooling-water, temperature range: ca. -35°C to ca. +100°C (depending on application)

Article category 125

Designation	DN	size	inch	ID	OD	Operating pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	
GC 113	13	8	1/2	13	22	40	4	580,0	60
GC 116	16	10	5/8	16	25	25	2,5	362,5	90
GC 120	20	12	3/4	20	30,5	25	2,5	362,5	110
GC 125	25	16	1	25	35	25	2,5	362,5	120
GC 132	32	20	1 1/4	32	42,5	25	2,5	362,5	175
GC 140	40	24	1 1/2	40	51,5	15	1,5	217,5	270
GC 150	50	32	2	50	61,5	15	1,5	217,5	320
GC 160	60	40	2 1/2	60	72,5	15	1,5	217,5	360



## GC 200

### Suction or fuel hose

tube: synthetic rubber, reinforcement: one textile braid with steel helical body wire, cover: textile and steel wire braids  
 application range: low-pressure hydraulic hoses for heating oil EL, fluids on mineral or glycol basis, lubricant, compressed air, cooling-water, temperature range: ca. -35°C to ca. +100°C (depending on application)

Article category 126

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
GC 220	20	12	3/4	20	32,5	15	1,5	217	50	5	725	105
GC 225	25	16	1	25	37	15	1,5	217	50	5	725	120
GC 260	60	40	2 1/2	60	73,5	10	1,0	145	30	3	435	360



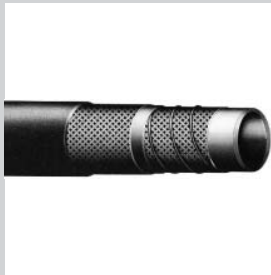
## SG 100

### Suction hose

tube: oil resistant synthetic rubber, reinforcement: two textile braids with helical body wire, cover: synthetic rubber with high abrasion, ozone and weather resistance, application: for hydraulic fluids on mineral oil, glycol and water emulsion basis, temperature range: -40°C to +100°C, (SAE 100 R4)

Article category 127

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
SG 120	20	12	3/4	19	32	21	2,1	305	83	8,3	1203,5	127
SG 125	25	16	1	25,4	38	17	1,7	247	69	6,9	1000,5	152
SG 132	32	20	1 1/4	31,8	45	14	1,4	203	55	5,5	797,5	205
SG 140	40	24	1 1/2	38,1	52	10	1	145	41	4,1	594,5	254
SG 150	50	32	2	50,8	65	7	0,7	102	28	2,8	406,0	305
SG 160	60	40	2 1/2	63,5	78	4	0,4	58	17	1,7	246,5	356



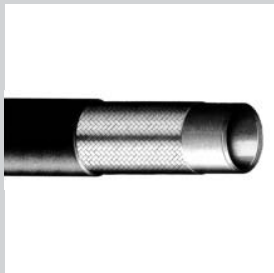
## SGB 100

### Suction hose Spiralbenz

Special version: reduced outer diameter, improved bending radii  
 tube: oil resistant synthetic rubber, reinforcement: two textile  
 braids with steel helical body wire, cover: synthetic rubber with  
 high abrasion, ozone and weather resistance, application: mineral  
 oil, oil on polyglycol basis, water/oil emulsion, water, safety factor:  
 3:1, temperature range: -40°C to +100°C

Article category 128

Designation	DN	size	inch	ID	OD	Operating pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	
SGB 120	20	12	3/4	19	29	10	1,0	145	100
SGB 125	25	16	1	25	35	10	1,0	145	120
SGB 132	32	20	1 1/4	31,8	45	10	1,0	145	150
SGB 140	40	24	1 1/2	38,1	52	10	1,0	145	200
SGB 150	50	32	2	50,8	65	10	1,0	145	280
SGB 160	60	40	2 1/2	63,5	78	5	0,5	72,5	380



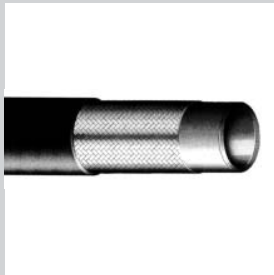
## HF 100

### Pressure wash hose

tube: water resistant rubber synthetic rubber, reinforcement: one high tensile steel braid, cover: oil and abrasion resistant rubber, color: blue, temperature range: -10°C up to 155°C, recommended for high pressure cleaning appliances

Article category 129

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HF 106	6	4	1/4	6,4	13	225	22,5	3260	900	90	13050	100
HF 108	8	5	5/16	8	14,6	215	21,5	3115	850	85	12325	115
HF 110	10	6	3/8	9,5	17	180	18	2610	720	72	10440	130
HF 113	13	8	1/2	12,7	20,1	160	16	2320	640	64	9280	180



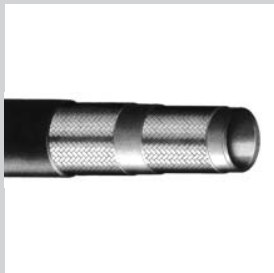
## HW 100

### Hot water hose

tube: oil and water resistant rubber synthetic rubber, reinforcement: one steel braid, cover: oil and abrasion resistant rubber, color: black, temperature range: -10°C to 155°C, recommended for high pressure cleaning appliances

Article category 129

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HW 106	6	4	1/4	6,4	13	225	22,5	3262	900	90	13050	100
HW 108	8	5	5/16	8	14,6	215	21,5	3115	850	85	12325	115
HW 110	10	6	3/8	9,5	17	180	18	2610	720	72	10440	127
HW 113	13	8	1/2	12,7	20,1	160	16	2320	640	64	9280	178



## HF 200

### Hot water hose

tube: water resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: oil and weather resistant rubber, color: blue, temperature range: -10°C to 155°C, recommended for high pressure cleaning appliances

Article category 130

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HF 208	8	5	5/16	7,9	16,4	350	35	5075	1470	147	21315	114
HF 210	10	6	3/8	9,5	18,7	330	33	4785	1320	132	19140	130
HF 213	13	8	1/2	12,7	21,8	275	27,5	3990	1100	110	15950	180



## HW 200

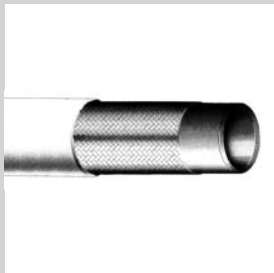
### Pressure wash hose

tube: water resistant synthetic rubber, reinforcement: two high tensile steel braids, cover: oil and weather resistant rubber, color: black, temperature range: -10°C to 155°C, recommended for high pressure cleaning appliances

Article category 130

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
HW 208	8	5	5/16	7,9	16,4	350	35	5075	1470	147	21315	114
HW 210	10	6	3/8	9,5	18,7	330	33	4785	1320	132	19140	130
HW 213	13	8	1/2	12,7	21,8	275	27,5	3987	1200	120	17400	160





## NY 100 W

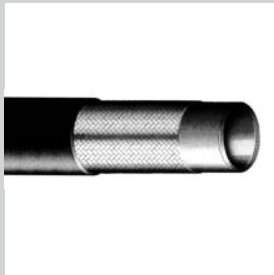
### Thermoplastic high pressure hose

tube: polyester elastomer, reinforcement: one steel wire, cover: polyurethane, color: black, application range: high pressure hydraulic systems, agricultural equipment, forklifter, properties: high chemical resistance, low volumetric dilatation, high bacteriological resistance

Article category 131

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	

NY 108 W	8	5	5/16	8	13,3	900	90	13000	225	22,5	3262,5	125
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## TAF 100

### High pressure hose

Application: for high pressure hydraulic and conveyor pipeline for technical fluids, assembly with swage and screw fittings,  
 tube: polyamide, reinforcement: polyester braid,  
 cover: polyurethane (except DN 04),  
 temperature range: -60°C to +100°C

Article category 134

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TAF 104	4	3	3/16	4	8,4	370	325	280	40
TAF 106	6	4	1/4	6,3	11,2	255	225	190	63
TAF 108	8	5	5/16	8	13,3	225	200	170	80
TAF 110	10	6	3/8	10	16,7	190	170	145	100
TAF 113	13	8	1/2	13	21,4	160	140	120	130



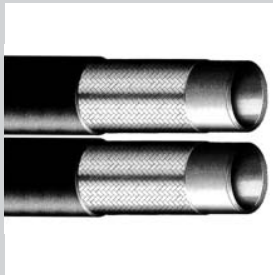
## TBF 200

### High pressure hose

Application: for high pressure hydraulic and conveyor pipeline for technical fluids, assembly with swage and screw fittings, tube: polyamide 11, reinforcement: two polyester braids, cover: polyurethane (except DN 04), color: black, temperature range: -60°C to +100°C

Article category 135

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TBF 204	4	3	3/16	4	9,2	485	425	380	40
TBF 206	6	4	1/4	6,3	13	455	400	360	63
TBF 208	8	5	5/16	8	14,9	375	330	300	80
TBF 210	10	6	3/8	10	18	340	300	270	100
TBF 213	13	8	1/2	13	21,9	280	245	220	130
TBF 220	20	12	3/4	19	28,1	215	190	170	190



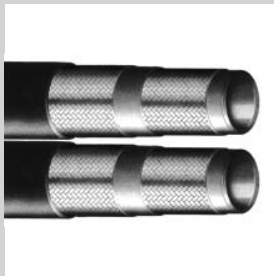
## TAFZ 100

High pressure hose, type TAF as dual hose

Application: for high pressure hydraulic and conveyor pipeline for technical fluids, assembly with swage and screw fittings,  
 tube: polyamide, reinforcement: polyester braid,  
 cover: polyurethane (except DN 04),  
 temperature range: -60°C to +100°C

Article category 136

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TAFZ 104	4	3	3/4	4	8,1	370	325	280	40
TAFZ 106	6	4	1/4	6,3	11,2	255	255	190	63
TAFZ 108	8	5	5/16	8	13,3	225	200	170	80
TAFZ 110	10	6	3/8	10	16,7	190	170	145	100
TAFZ 113	13	8	1/2	13	21,4	160	140	120	130



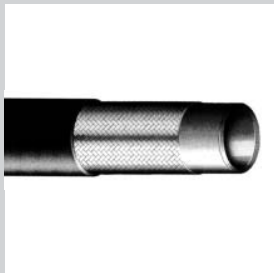
## TBFZ 200

High pressure hose, type TBF as dual hose

Application: for high pressure hydraulic and conveyor pipeline for technical fluids, assembly with swage and screw fittings,  
 tube: polyamide 11, reinforcement: two polyester braids,  
 cover: polyurethane (except DN 04), color: black,  
 temperature range: -60°C to +100°C

Article category 137

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TBFZ 204	4	3	3/16	4	9,2	485	452	380	40
TBFZ 206	6	4	1/4	6,3	13	455	400	360	63
TBFZ 208	8	5	5/16	8	14,9	375	330	300	80
TBFZ 210	10	6	3/8	10	18	340	300	270	100
TBFZ 213	13	8	1/2	13	21,9	280	245	220	130
TBFZ 220	20	12	3/4	19	28,1	215	190	170	190



## TAF 100 CU

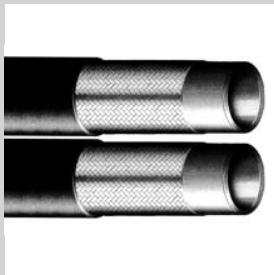
### High pressure hose, type TAF with copper wire

Paint spray hose, highly flexible, abrasion resistant up to +80°C, long lasting, light weight, resistant against most technical fluids, (paints and solvents),

tube: polyamide, highly resistant polyester braid with interlaced copper conductor (to neutralise electrostatic loads)

Article category 138

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TAF 104 CU	4	3	3/16	4	8,1	370	325	280	40
TAF 106 CU	6	4	1/4	6,3	11,2	255	255	190	63



## TAFZ 100 CU

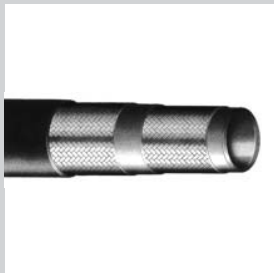
### High pressure hose, dual combination, with copper wire

Paint spray hose, highly flexible, abrasion resistant up to +80°C, long lasting, light weight, resistant against most technical fluids, (paints and solvents)

tube: polyamide, highly resistant polyester braid with interlaced copper conductor (to neutralise electrostatic loads)

Article category 139

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TAFZ 104 CU	4	3	3/4	4	8,1	370	325	280	40
TAFZ 106 CU	6	4	1/4	6,3	11,2	255	255	190	63



## TBF 200 CU

### High pressure hose with copper wire

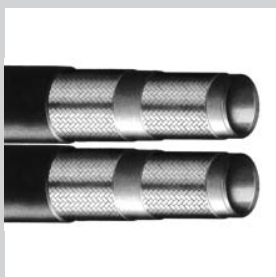
Paint spray hose, highly flexible, abrasion resistant up to +80°C, long lasting, light weight, resistant against most technical fluids, (paints and solvents)

tube: polyamide PA11, two highly resistant polyester braids with interlaced copper conductor (to neutralise electrostatic loads)

Article category 138

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TBF 204 CU	4	3	3/16	4	9,2	480	425	380	40
TBF 206 CU	6	4	1/4	6,3	13	455	400	360	63





## TBFZ 200 CU

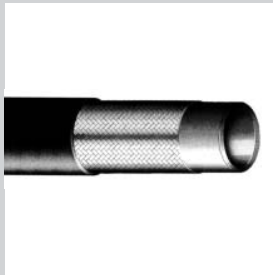
### High pressure hose, dual combination with copper wire

Paint spray hose, highly flexible, abrasion resistant up to +80°C, long lasting, light weight, resistant against most technical fluids, (paints and solvents)

tube: polyamide PA11, two highly resistant polyester braids with interlaced copper conductor (to neutralise electrostatic loads)

Article category 139

<i>Designation</i>	<i>DN</i>	<i>size</i>	<i>inch</i>	<i>ID</i>	<i>OD</i>	<i>dyn. 20°C (bar)</i>	<i>dyn. 50°C (bar)</i>	<i>dyn. 80°C (bar)</i>	<i>Bend radius (mm)</i>
TBFZ 204 CU	4	3	3/16	4	9,2	485	425	380	40
TBFZ 206 CU	6	4	1/4	6,3	13	455	400	360	63
TBFZ 210 CU	10	6	3/8	10	17,8	340	300	270	100

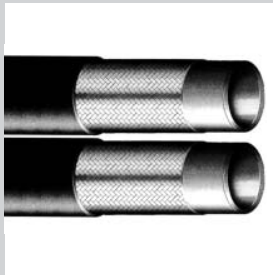


## TR 100

### High pressure hose

Constant working pressure 160 bar (at 90°C) for pneumatic and high pressure hydraulic applications and conveyor pipeline for technical fluids, abrasion resistant and flexible, light weight, resistant against most technical fluids, high temperature resistance: -60°C to +100°C, tube: polyamide, reinforcement: polyester braid, cover: polyurethane  
Article category 140

Designation	DN	size	inch	ID	OD	max. Working pressure at 90°C			Bend radius (mm)
						bar	MPa	PSI	
TR 104	4	3	3/16	4	8,1	160	16	2320	40
TR 106	6	4	1/4	6,3	11,2	160	16	2320	63
TR 108	8	5	5/16	8	13,3	160	16	2320	80
TR 110	10	6	3/8	10	18	160	16	2320	100
TR 113	13	8	1/2	13	21,9	160	16	2320	130

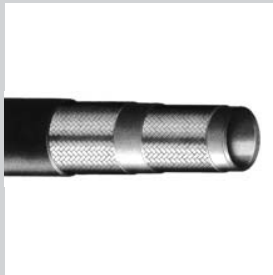


## TRZ 100

### High pressure hose, dual combination

Constant working pressure 160 bar (at 90°C) for pneumatic and high pressure hydraulic applications and conveyor pipeline for technical fluids, abrasion resistant and flexible, light weight, resistant against most technical fluids, high temperature resistance: -60°C to +100°C, tube: polyamide, reinforcement: polyester braid, cover: polyurethane  
Article category 141

Designation	DN	size	inch	ID	OD	max. Working pressure at 90°C			Bend radius (mm)
						bar	MPa	PSI	
TRZ 104	4	3	3/16	4	8,1	160	16	2320	40
TRZ 106	6	4	1/4	6,3	11,2	160	16	2320	63
TRZ 108	8	5	5/16	8	13,3	160	16	2320	80
TRZ 110	10	6	3/8	10	18	160	16	2320	100
TRZ 113	13	8	1/2	13	21,9	160	16	2320	130

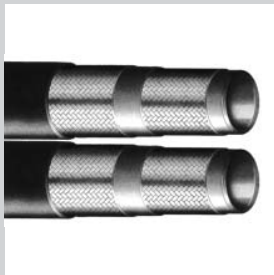


## TR 200

### High pressure hose

Constant working pressure 160 bar (at 90°C) for pneumatic and high pressure hydraulic applications and conveyor pipeline for technical fluids, abrasion resistant and flexible, light weight, resistant against most technical fluids, high temperature resistance: -60°C to +100°C, tube: polyamide, reinforcement: two polyester braids, cover: polyurethane  
Article category 142

Designation	DN	size	inch	ID	OD	max. Working pressure at 90°C			Bend radius (mm)
						bar	MPa	PSI	
TR 204	4	3	3/16	4	8,1	250	25	3626	40
TR 206	6	4	1/4	6,3	13	250	25	3626	63
TR 208	8	5	5/16	8	14,9	250	25	3626	80
TR 210	10	6	3/8	10	18	250	25	3626	100
TR 213	13	8	1/2	13	22,5	250	25	3626	130

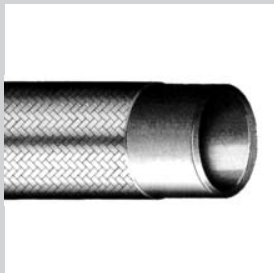


## TRZ 200

### High pressure hose, dual combination

Constant working pressure 160 bar (at 90°C) for pneumatic and high pressure hydraulic applications and conveyor pipeline for technical fluids, abrasion resistant and flexible, light weight, resistant against most technical fluids, high temperature resistance: -60°C to +100°C, tube: polyamide, reinforcement: two polyester braids, cover: polyurethane  
Article category 143

Designation	DN	size	inch	ID	OD	max. Working pressure at 90°C			Bend radius (mm)
						bar	MPa	PSI	
TRZ 204	4	3	3/16	4	8,1	250	25	3626	40
TRZ 206	6	4	1/4	6,3	13	250	25	3626	63
TRZ 208	8	5	5/16	8	14,9	250	25	3626	80
TRZ 210	10	6	3/8	10	18	250	25	3626	100
TRZ 213	13	8	1/2	13	22,5	250	25	3626	130



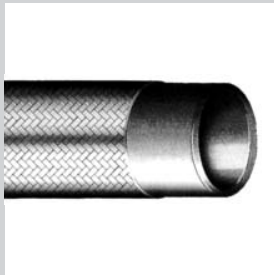
## SI 100

### Oil or gasoline hose

Application: for gasoline, lubricating oil, air, water, fuel hose according to DIN 73379 type PZ, tube: synthetic rubber with steel wire braid, temperature range: -35°C to +80°C

Article category 145

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
SI 103	3	2,5	1/8	4,5	9,5	20	2	290	60	6	870	25
SI 104	4	3	3/16	5,5	10,5	20	2	290	60	6	870	25
SI 106	6	4	1/4	7,5	12,5	15	1,5	217	50	5	725	30
SI 108	8	5	5/16	9	14	15	1,5	217	50	5	725	40
SI 110	10	6	3/8	11,5	18	15	1,5	217	50	5	725	45
SI 113	13	8	1/2	14,5	22	15	1,5	217	50	5	725	50
SI 116	16	10	5/8	17	25	15	1,5	217	50	5	725	70



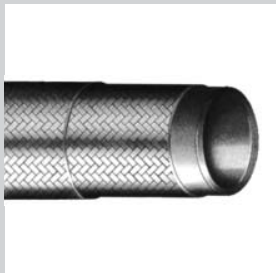
## SI 200

### Oil or gasoline hose

Application: for gasoline, lubricating oil, air, water, fuel hose according to DIN 73379 type PZA, synthetic rubber tube with textile braid, temperature range: -35°C to +80°C

Article category 146

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
SI 202	2	2	3/32	3,2	7	20	2	290	60	6	870	20
SI 203	3	2,5	1/8	4,5	9,5	20	2	290	60	6	870	25
SI 204	4	3	3/16	5,5	10,5	20	2	290	60	6	870	25
SI 206	6	4	1/4	7,5	12,5	15	1,5	217	50	5	725	30
SI 208	8	5	5/16	9	14	15	1,5	217	50	5	725	40
SI 210	10	6	3/8	11,5	17	15	1,5	217	50	5	725	45
SI 213	13	8	1/2	15	22	12	1,2	174	40	4	580	50
SI 216	16	10	5/8	18	26	12	1,2	174	38	3,8	551	70



## SI 300

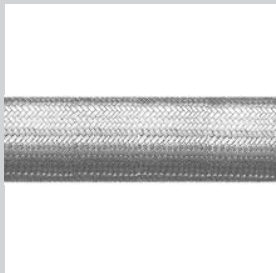
### Oil or gasoline hose

Application: for gasoline, lubricating oil, air, water, fuel hose according to DIN 73379 type PZC, synthetic rubber tube reinforced with one textile braid, steel wire braid cover, temperature range: -35°C to +80°C

Article category 147

Designation	DN	size	inch	ID	OD	Operating pressure			Burst pressure			Bend radius (mm)
						(bar)	(MPa)	(PSI)	(bar)	(Mpa)	(psi)	
SI 304	4	3	3/16	5,5	11,5	30	3	435	60	6	870	40
SI 306	6	4	1/4	7,5	13,5	30	3	435	60	6	870	50
SI 308	8	5	5/16	9	16	25	2,5	362	45	4,5	652,5	60
SI 310	10	6	3/8	11,5	18,5	25	2,5	362	45	4,5	652,5	80
SI 313	13	8	1/2	15	23	25	2,5	362	45	4,5	652,5	80
SI 316	16	10	5/8	17,5	26	25	2,5	362	45	4,5	652,5	120





## FBS

### Heat protection hose, asbestos-free

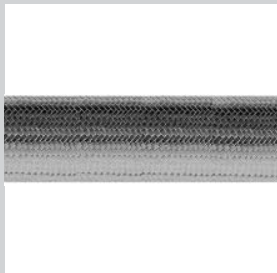
Heat protection hose of calcium-silicate fibre, abrasion resistant, high tensile isolation fibers, color: white, temperature resistance: to +750°C

Article category 232

#### Designation

#### ID

FBS 014	15
FBS 016	16
FBS 018	20
FBS 020	20
FBS 022	20
FBS 024	25
FBS 025	25
FBS 026	26
FBS 028	30
FBS 030	30
FBS 032	30
FBS 035	35
FBS 038	40
FBS 040	40
FBS 042	42
FBS 045	45
FBS 047	47
FBS 050	50
FBS 055	55
FBS 056	56
FBS 060	60
FBS 068	68
FBS 080	80



## FBSS

### Heat protecting hose, insulated sleeve

Glas fibre braid with silicone impregnation

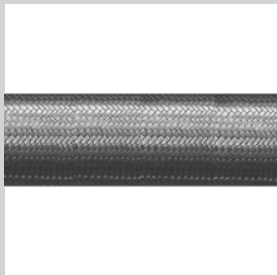
Article category 233

*Designation*

*ID*

FBSS 015	15
FBSS 018	18
FBSS 020	20
FBSS 025	25
FBSS 030	30
FBSS 035	35
FBSS 040	40
FBSS 042	42
FBSS 045	45
FBSS 050	50





## SGF

### Braid sleeve

Steel wire braid sleeve

Article category 332

*Designation*

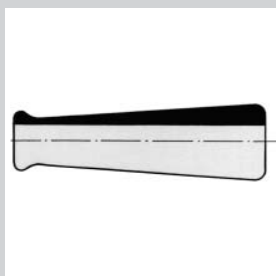
*ID*

*OD*

*Bend radius (mm)*

<--

SGF 50	50	56	115
SGF 52	52	58	115
SGF 55	55	61	115
SGF 58	58	64	117
SGF 60	60	66	120
SGF 62	62	69	125
SGF 65	65	72	130
SGF 68	68	74	140
SGF 70	70	77	150
SGF 72	72	79	160
SGF 76	76	83	166
SGF 80	80	87	170
SGF 84	84	92	180
SGF 90	90	100	190
SGF 94	94	104	200



## GKS

### Hose bend restrictor, rubber

Flexible hose bend restrictor

standard color: black

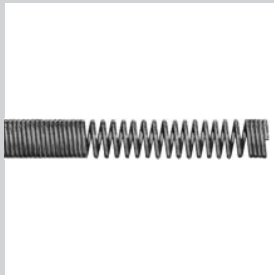
Article category 333

*Designation*

*ID*

*length*

GKS 06	14,6	132
GKS 08	17,0	145
GKS 08 BLAU	17,0	145
GKS 08 GELB	17,0	145
GKS 08 GRAU	17,0	145
GKS 08 ORANGE	17,0	145
GKS 08 ROT	17,0	145
GKS 10	19,5	145
GKS 10 BLAU	19,5	145
GKS 10 GELB	19,5	145
GKS 10 GRAU	19,5	145
GKS 10 ORANGE	19,5	145
GKS 10 ROT	19,5	145
GKS 13 BLAU	23,0	150
GKS 13 GRAU	23,0	150



## PKF

### Wire spring sleeve

Steel plated protective wire spring, refer also to KSF

Article category 335

*Designation*

*ID*

*length*

PKF 17	18	210
PKF 22	22,3	210
PKF 23	22,3	210
PKF 26	25,7	210
PKF 29	29,3	230
PKF 34	34	250
PKF 42	42	280
PKF 52	53,1	360



## RKS

### Hose bend protector

Hose bend protector, zinc plated and yellow chromatised

Article category 337

*Designation*

*DN*

*length*

RKS 20	36	140
RKS 25	46	160
RKS 32	54	190
RKS 40	64	200



## SSK

### Plastic protective coil sleeve

Plastic protective coil sleeve against mechanical stresses,  
also applicable for retro assembly

Article category 338

*Designation*

*ID*

*OD*

SSK 07	7,5	10
SSK 09	9,5	12
SSK 13	13	16
SSK 16	15	18
SSK 20	20	24
SSK 25	25	29
SSK 30	30	35,4
SSK 40	40	48
SSK 50	50	58
SSK 60	60	70
SSK 80	80	92
SSK 100	100	112





## SSF

### Protective flat coil sleeve, steel

Protective flat coil sleeve, zinc plated and yellow-chromatised

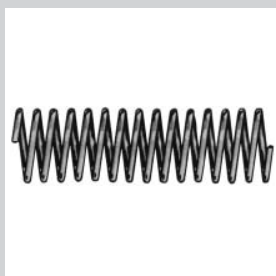
Article category 339

*Designation*

*ID (spiral)*

*Band steel*

SSF 13-1	13	7x1
SSF 15-1	15	7x1
SSF 17-1	17	7x1
SSF 19-1	19	7x1
SSF 21-1	21	7x1
SSF 23-1	23	7x1
SSF 26-1	26	7x1
SSF 29-1	29	7x1
SSF 33-1	34	7x1
SSF 41-1	41	13x1
SSF 48-1	48	10x1
SSF 54-1	54	10x1



## SSR

### Spring guard

Spring guard, zinc plated

Article category 340

<i>Designation</i>	<i>Di</i>	<i>d-wire</i>
SSR 14-2	14	2
SSR 18-2	18	2
SSR 20-2	20	2
SSR 23-2	23	2
SSR 25-2	25	2
SSR 27-2	27	2
SSR 27-2,5	27	2,5
SSR 30-2	30	2
SSR 34-3	34	3
SSR 41-3	41	3
SSR 48-3	48	3
SSR 51-3	51	3
SSR 52-3	52	3
SSR 54-3	54	3
SSR 56-3	56	3
SSR 68-3	68	3
SSR 73-3	73	3



## SSR E

**Spring guard, tight**

Spring guard, tightly coiled

Article category 341

*Designation*

*ID*

*wire-Ø*

SSR 20-2 E

20

2

SSR 26-2 E

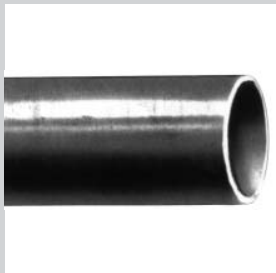
26

2

SSR 28-2 E

28

2



## SSTK

### Shrink hose

Shrink hose of braided polyolefin with adhesive on the inside, medium thick wall, shrinking rate: up to 3,5 : 1, temperature range: -55°C to +110°C, combustibility: flame retardant and non self-extinguishing, shrink temperature: 110°C minimum, disruptive strength: min. 20kV/mm according to IEC 243, standard color: black, specifications: according to DIN VDE 0278

Article category 342

*Designation*

*D upon delivery*

*D after shrinkage*

*wall thickness*

SSTK 2006	20	6	2,0
SSTK 3010	30	10	2,0
SSTK 4012	40	12	2,0
SSTK 5018	54	18	2,0

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