



**Pegasus**  
hydraulics

Hydraulic hose



17

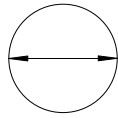


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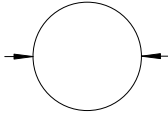
## Legend of symbols

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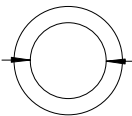
SECTION INDEX



- Inside Diameter (I.D.)



- Outside Diameter (O.D.)



- Reinforcement Outside Diameter



- Burst Pressure:  
It is the minimum guaranteed burst pressure of the hose; equivalent or superior to the reference specifications minimum requirements.



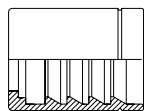
- Weight



- Maximum Working Pressure



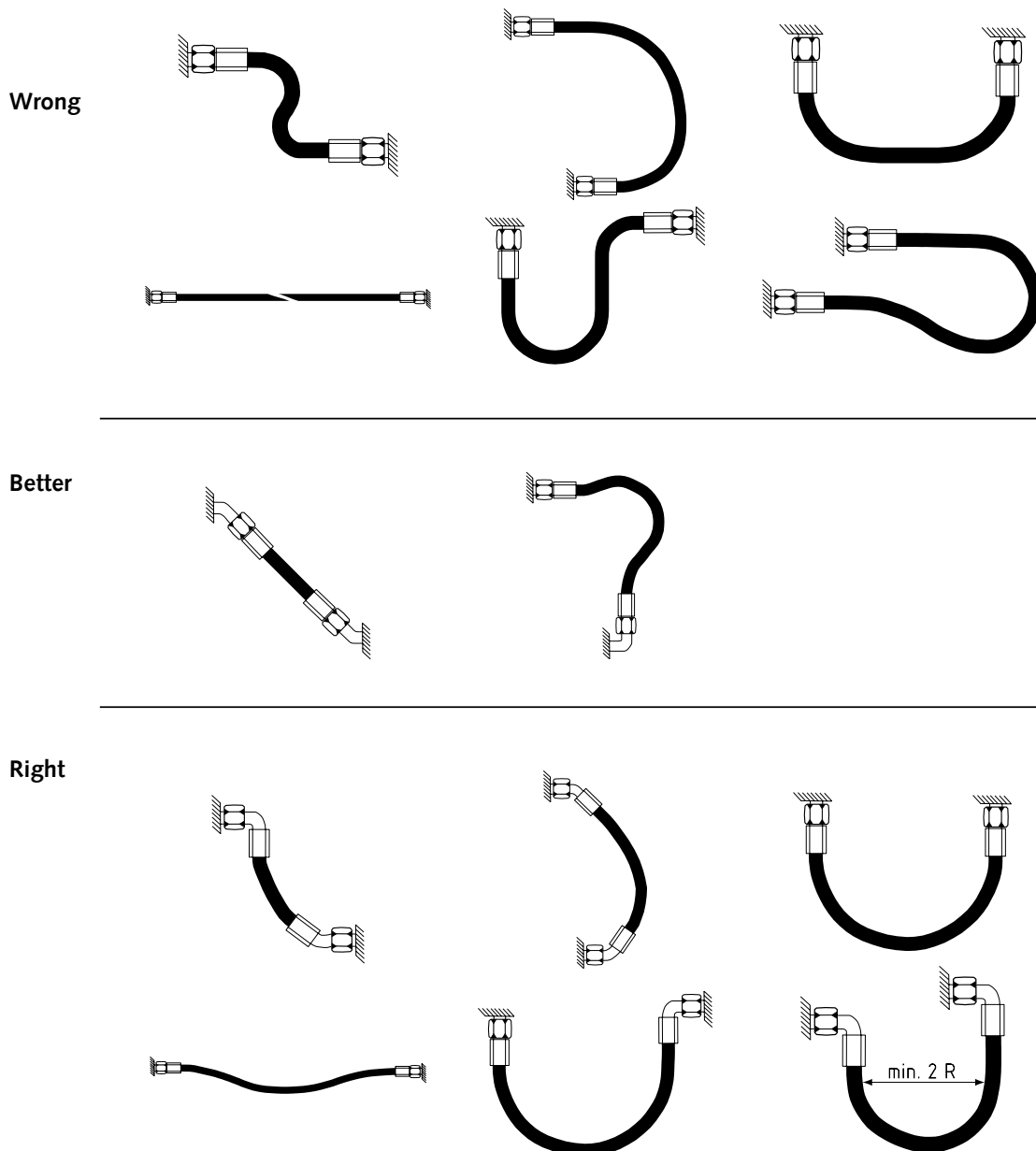
- Minimum Bend Radius



- Ferrule/Socket
- *Continuous Service: Refers to the working temperature range*
- *Max. Operating Temperature (Intermittent Service): Peaks of temperature of short duration and total cumulative duration lower than 5% of the total service life.*
- *Recommended Fluids: Fluid types that the hose can convey with excellent / good chemical compatibility.*

**Correct installation increases the service life of hose assemblies!**

1. Under pressure, alterations of +2% to -4% can occur in the length of hose assemblies. Hoses should therefore be installed with slack or curves.
2. Hose assemblies should never be installed twisted (no torsion).
3. Hose assemblies should not be bent excessively – use elbow fittings instead!
4. Note minimum bend radius!
5. If vertical displacement occurs, allow for amount of travel.
6. Protect from external damage (use protective spirals).



### Length Tolerance of Installed Hose Assemblies (acc. to DIN 20066)

Length mm	Tolerances		
	up to ø 25	from ø 31 to ø 51	from ø 60 to ø 100
up to 630	+ 7 mm - 3 mm	+ 12 mm - 4 mm	
630 - 1250	+ 12 mm - 4 mm	+ 20 mm - 6 mm	+ 25 mm - 6 mm
1250 - 2500	+ 20 mm - 6 mm	+ 25 mm - 6 mm	
2500 - 8000		+ 1.5 % - 0.5 %	
over 8000		+ 3 % - 1 %	

### Calculating the Hose Length

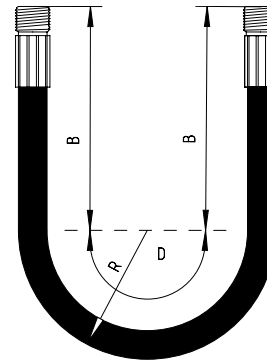
The service life of hose assemblies can be increased by proper measurement and installation.

Please follow the following instructions.

#### Calculation of Fixed Hose Assemblies

$$\text{Overall Length} = L = 2 B + \frac{3 \cdot 14 \cdot R}{D}$$

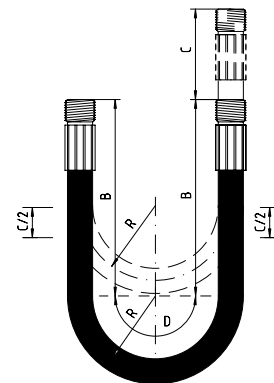
R = Min. Bend Radius



#### Calculation of Flexible Hose Assemblies

$$\text{Overall Length} = L = 2 B + \frac{3 \cdot 14 \cdot R}{D}$$

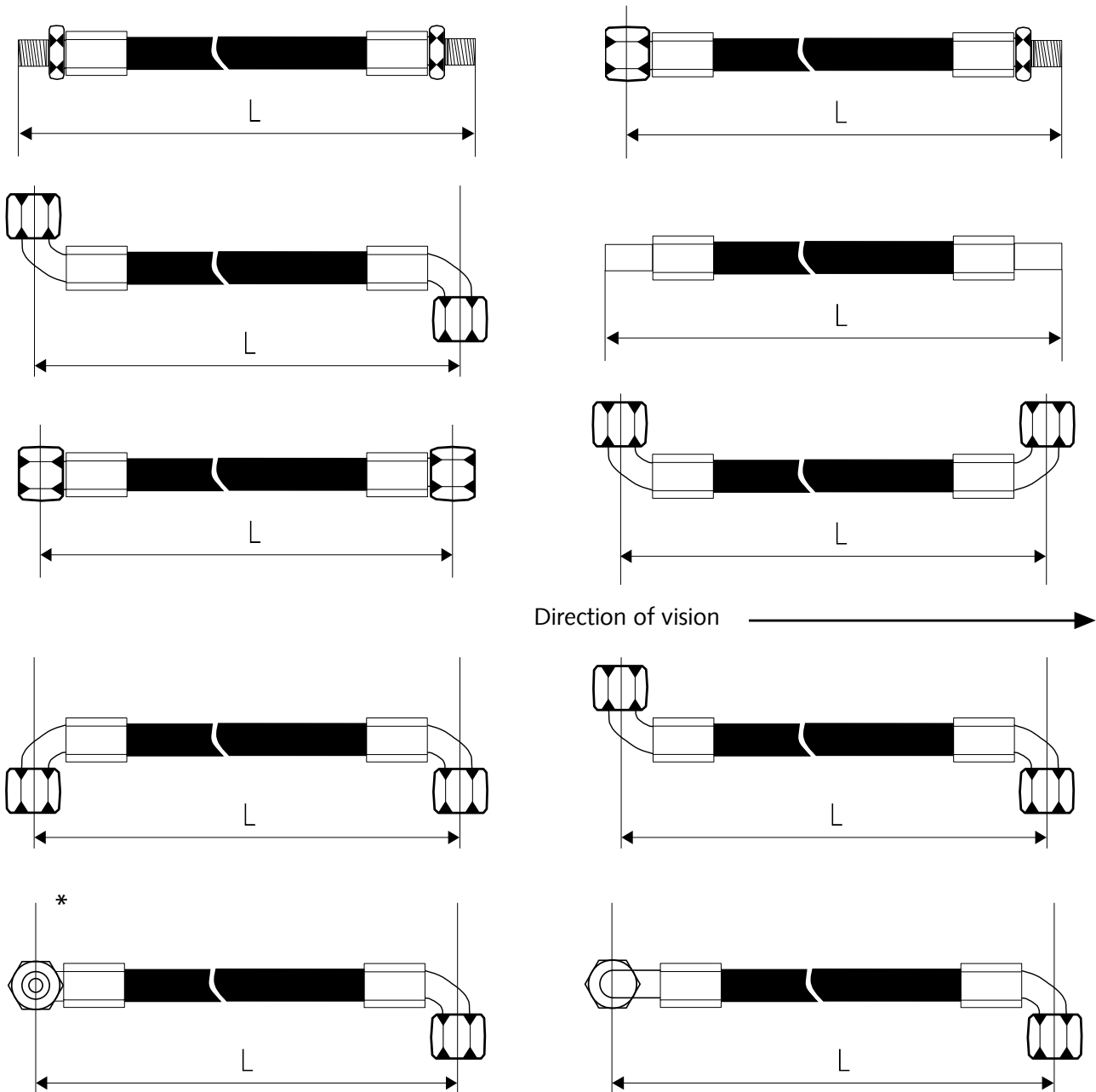
Additional length C should be allowed for if vertical movement takes place.



The following table gives the minimum length B that should be left behind the ends of the fittings of a hose assembly.

DN = ø	06	08	10	12	16	19	25	31	38
B = mm	90	100	110	120	130	140	160	180	200

### Typical Measurements of Hose Assemblies



\*Sample order: DN 10 R 2 A x 800 DKL 90° / DKL 90° - 90° g. UZ.

The angle of hose assemblies with elbow fittings at either end can be determined as follows:

Look along the hose assembly for which a designation is required, with the rear fitting away from the body pointing upwards.

Now specify how many degrees the front fitting is rotated through in a clockwise (i. UZ) or anti-clockwise (g. UZ) direction.

Tolerance +/- 3°

### Swage Ferrule:

P1 - non skive -  
Page 2.08



DN	Hose Size		I.D. mm	O.D. mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius mm	Weight g/m	Part code
	dash	in.			bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	13.0	75	1080	300	4350	40	130	Hose 2 TE-DN 06
08	-5	5/16"	7.9	14.6	68	980	272	3940	50	145	Hose 2 TE-DN 08
10	-6	3/8"	9.5	16.1	63	910	252	3650	60	180	Hose 2 TE-DN 10
12	-8	1/2"	12.7	19.2	58	840	232	3360	70	220	Hose 2 TE-DN 12
16	-10	5/8"	15.9	23.6	50	720	200	2900	90	290	Hose 2 TE-DN 16
19	-12	3/4"	19.0	26.5	45	650	180	2610	110	365	Hose 2 TE-DN 19
25	-16	1"	25.4	33.4	40	580	160	2320	130	525	Hose 2 TE-DN 25

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: One Textile Braid

Cover: Synthetic Rubber with High Abrasion,  
Ozone and Weather Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 135°C

Recommended Fluids: Mineral Oil, Rape Seed Oil,  
Poly Glycol Base Oil, Synthetic Esther Base Oil,  
Water / Oil Emulsions, Water



### Swage Ferrule:

P2 - non skive -  
Page 2.11



DN	Hose Size		I.D. mm	O.D. mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius mm	Weight g/m	Part code
	dash	in.			bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	14.2	145	2100	580	8410	45	150	Hose 3 TE-DN 06
08	-5	5/16"	7.9	16.6	130	1880	520	7540	55	210	Hose 3 TE-DN 08
10	-6	3/8"	9.5	18.2	110	1590	440	6380	70	230	Hose 3 TE-DN 10
12	-8	1/2"	12.7	21.5	93	1340	372	5390	85	290	Hose 3 TE-DN 12
16	-10	5/8"	15.9	25.6	80	1160	320	4640	105	385	Hose 3 TE-DN 16
19	-12	3/4"	19.0	28.8	70	1010	280	4060	130	450	Hose 3 TE-DN 19
25	-16	1"	25.4	35.4	55	790	220	3190	150	570	Hose 3 TE-DN 25
31	-20	1 1/4"	31.8	42.5	45	650	180	2610	190	570	Hose 3 TE-DN 31
38	-24	1 1/2"	38.1	49.4	40	580	160	2320	240	930	Hose 3 TE-DN 38
51	-32	2"	50.8	62.2	33	470	132	1910	300	1300	Hose 3 TE-DN 51
60	-38	2 3/8"	60.0	72.0	25	360	100	1450	400	1790	Hose 3 TE-DN 60
80		3"	80.0	94.0	18	260	72	1040	500	3050	Hose 3 TE-DN 80

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two Textile Braids

Cover: Synthetic Rubber with High Abrasion, Ozone and Weather Resistance

DN 60 + DN 80 with Steel Helical Body Wire

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 135°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P1 - skive -  
Page 2.08



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
mm			mm	mm	mm					mm		
06	-4	1/4"	6.4	11.1	15.9	225	3265	900	13050	100	310	Hose 1 ST-DN 06
08	-5	5/16"	7.9	12.7	17.5	215	3120	850	12320	115	340	Hose 1 ST-DN 08
10	-6	3/8"	9.5	15.1	19.9	180	2610	720	10440	130	430	Hose 1 ST-DN 10
12	-8	1/2"	12.7	18.3	23.0	160	2320	640	9280	180	530	Hose 1 ST-DN 12
16	-10	5/8"	15.9	21.5	26.2	130	1885	520	7540	200	625	Hose 1 ST-DN 16
19	-12	3/4"	19.0	25.2	30.0	105	1520	420	6090	240	780	Hose 1 ST-DN 19
25	-16	1"	25.4	33.1	37.8	88	1270	350	5070	300	1080	Hose 1 ST-DN 25
31	-20	1 1/4"	31.8	40.6	45.8	63	910	250	3620	419	1440	Hose 1 ST-DN 31
38	-24	1 1/2"	38.1	47.0	52.1	50	725	200	2900	500	1670	Hose 1 ST-DN 38
51	-32	2"	50.8	60.4	66.4	40	580	160	2320	630	2450	Hose 1 ST-DN 51

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: One High Tensile Steel Braid

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P3 - skive -  
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DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	12.7	17.2	400	5800	1750	25370	100	460	Hose 2 ST-DN 06
08	-5	5/16"	7.9	14.3	18.9	350	5070	1480	21460	114	510	Hose 2 ST-DN 08
10	-6	3/8"	9.5	16.7	21.3	350	5070	1400	20300	127	635	Hose 2 ST-DN 10
12	-8	1/2"	12.7	19.8	24.5	350	5070	1400	20300	178	770	Hose 2 ST-DN 12
16	-10	5/8"	15.9	23.0	27.7	250	3620	1020	14790	200	890	Hose 2 ST-DN 16
19	-12	3/4"	19.0	27.0	31.6	215	3120	900	13050	240	1090	Hose 2 ST-DN 19
25	-16	1"	25.4	34.8	39.5	175	2530	670	9710	300	1530	Hose 2 ST-DN 25
31	-20	1 1/4"	31.8	44.3	50.6	140	2030	600	8700	419	2335	Hose 2 ST-DN 31
38	-24	1 1/2"	38.1	50.7	57.0	100	1450	500	7250	500	2680	Hose 2 ST-DN 38
51	-32	2"	50.8	63.5	69.8	90	1360	420	6090	630	3625	Hose 2 ST-DN 51

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P1 - skive and non skive -  
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P5 - non skive -  
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DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight g/m	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
mm			mm	mm	mm	bar	P.S.I.	bar	P.S.I.	mm		
05	-3	3/16"	4.8	9.5	11.5	250	3620	1000	14500	89	195	Hose 1 SN-DN 05
06	-4	1/4"	6.4	11.2	13.2	225	3260	900	13050	100	240	Hose 1 SN-DN 06
08	-5	5/16"	7.9	12.8	14.8	215	3110	850	12320	114	280	Hose 1 SN-DN 08
10	-6	3/8"	9.5	15.1	17.1	180	2610	720	10440	127	360	Hose 1 SN-DN 10
12	-8	1/2"	12.7	18.1	20.1	160	2320	640	9280	178	450	Hose 1 SN-DN 12
16	-10	5/8"	15.9	21.3	23.3	130	1880	520	7540	200	510	Hose 1 SN-DN 16
19	-12	3/4"	19.0	25.3	27.3	105	1520	420	6090	240	650	Hose 1 SN-DN 19
25	-16	1"	25.4	33.1	35.7	88	1270	350	5070	300	960	Hose 1 SN-DN 25
31	-20	1 1/4"	31.8	40.6	43.3	63	910	250	3620	419	1250	Hose 1 SN-DN 31
38	-24	1 1/2"	38.1	47.0	49.7	50	720	200	2900	500	1600	Hose 1 SN-DN 38
51	-32	2"	50.8	60.4	63.1	40	580	160	2320	630	2200	Hose 1 SN-DN 51

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: One High Tensile Steel Braid

Cover: Synthetic Rubber with High Temperature, Ozone and Abrasion Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P3 - skive - DN 06 up to DN 51 -  
Page 2.10

P2 - non skive - DN 06 up to DN 25 -  
Page 2.11

P8 - non skive - DN 31 up to DN 76 -  
Page 2.12

P5 - non skive -  
Page 2.13



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
05	-3	3/16"	4.8	11.3	13.3	415	6010	1650	23920	89	315	Hose 2 SN-DN 05
06	-4	1/4"	6.4	12.7	14.7	400	5800	1600	23200	100	360	Hose 2 SN-DN 06
08	-5	5/16"	7.9	14.3	16.3	350	5070	1400	20300	114	400	Hose 2 SN-DN 08
10	-6	3/8"	9.5	16.7	18.7	330	4780	1320	19140	127	510	Hose 2 SN-DN 10
12	-8	1/2"	12.7	19.8	21.8	275	3980	1100	15950	178	620	Hose 2 SN-DN 12
16	-10	5/8"	15.9	23.0	25.0	250	3620	1000	14500	200	715	Hose 2 SN-DN 16
19	-12	3/4"	19.0	27.0	29.0	215	3110	850	12320	240	920	Hose 2 SN-DN 19
25	-16	1"	25.4	34.8	36.8	165	2390	650	9420	300	1305	Hose 2 SN-DN 25
31	-20	1 1/4"	31.8	44.3	47.0	125	1810	500	7250	419	1965	Hose 2 SN-DN 31
38	-24	1 1/2"	38.1	50.7	53.4	90	1300	360	5220	500	2265	Hose 2 SN-DN 38
51	-32	2"	50.8	63.5	66.2	80	1160	320	4640	630	3115	Hose 2 SN-DN 51
60	-38	2 3/8"	60.0	68.8	71.5	90	1300	360	5220	650	2660	Hose 2 SN-DN 60
76	-48	3"	76.2	87.8	90.5	45	650	180	2610	900	3180	Hose 2 SN-DN 76

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Temperature, Ozone and Abrasion Resistance

Continuous Service: -40°C to +100°C

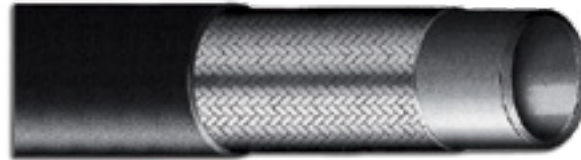
Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P9 - non skive - DN 06 up to DN 12 -  
Page 2.09

P1 - non skive - DN 16 - 19 - 25 -  
Page 2.08



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	10.2	12.0	225	3260	1050	15220	50	180	Hose 1 SC-DN 06
08	-5	5/16"	7.9	11.5	13.6	215	3110	1000	14500	55	210	Hose 1 SC-DN 08
10	-6	3/8"	9.5	13.6	15.5	180	2610	850	12320	60	260	Hose 1 SC-DN 10
12	-8	1/2"	12.7	17.1	18.9	160	2320	660	9570	70	335	Hose 1 SC-DN 12
16	-10	5/8"	15.9	20.6	22.4	130	1880	620	8990	90	440	Hose 1 SC-DN 16
19	-12	3/4"	19.0	23.9	25.9	105	1520	480	6960	100	535	Hose 1 SC-DN 19
25	-16	1"	25.4	31.3	33.3	88	1270	380	5510	160	765	Hose 1 SC-DN 25

### High Flexibility, excellent Bend Radius, low Weight

Tube: Oil Resistant Synthetic Rubber

Reinforcement: One High Tensile Steel Braid

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

### Swage Ferrule:

P1 - skive and non skive -  
Page 2.08

P5 - non skive -  
Page 2.13

P8 - non skive -  
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DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	11.3	13.1	400	5800	1850	26820	45	270	Hose 2 SC-DN 06
08	-5	5/16"	7.9	12.9	14.7	350	5070	1700	24650	55	325	Hose 2 SC-DN 08
10	-6	3/8"	9.5	15.0	16.8	330	4780	1500	21750	65	395	Hose 2 SC-DN 10
12	-8	1/2"	12.7	18.5	20.3	275	3980	1220	17690	80	495	Hose 2 SC-DN 12
16	-10	5/8"	15.9	21.8	23.6	250	3620	1050	15220	90	595	Hose 2 SC-DN 16
19	-12	3/4"	19.0	25.6	27.6	215	3110	920	13340	120	800	Hose 2 SC-DN 19
25	-16	1"	25.4	33.0	35.2	165	2390	720	10440	160	1135	Hose 2 SC-DN 25
31	-20	1 1/4"	31.8	41.1	43.6	125	1810	560	8120	250	1610	Hose 2 SC-DN 31
38	-24	1 1/2"	38.1	47.7	50.7	100	1450	400	5800	300	1935	Hose 2 SC-DN 38
51	-32	2"	50.8	60.4	63.4	90	1300	360	5220	400	2490	Hose 2 SC-DN 51
63	-40	2 1/2"	63.5	73.0	76.0	70	1010	300	4350	760	2980	Hose 2 SC-DN 63
76	-48	3"	76.2	87.8	90.5	45	650	180	2610	900	3250	Hose 2 SC-DN 76

### High Flexibility, excellent Bend Radius, low Weight

Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

**Swage Ferrule:**

P3 - skive -

Page 2.10



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6.4	14.7	17.6	485	7250	2400	34800	100	605	Hose 4 SP-DN 06
10	-6	3/8"	9.5	17.6	21.1	450	6670	2100	30450	110	770	Hose 4 SP-DN 10
12	-8	1/2"	12.7	20.3	24.3	420	6160	1900	27550	120	925	Hose 4 SP-DN 12
16	-10	5/8"	15.9	23.7	27.9	380	5800	1600	23200	140	1145	Hose 4 SP-DN 16
19	-12	3/4"	19.0	28.2	31.9	380	5510	1600	23200	170	1510	Hose 4 SP-DN 19
25	-16	1"	25.4	35.0	39.0	320	4640	1400	20300	340	1970	Hose 4 SP-DN 25
31	-20	1 1/4"	31.8	46.1	49.9	210	3040	1250	18120	460	3060	Hose 4 SP-DN 31
38	-24	1 1/2"	38.1	52.4	57.0	185	2680	1000	14500	560	3680	Hose 4 SP-DN 38
51	-32	2"	50.8	65.4	70.8	175	2530	1000	14500	660	5325	Hose 4 SP-DN 51

**Tube: Oil Resistant Synthetic Rubber**

Reinforcement: Four High Tensile Steel Spirals

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions



### Swage Ferrule:

Interlock P4-I - internal and external skive - Page 3.02



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight g/m	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
19	-12	3/4"	19.0	28.2	31.9	420	6090	1750	25370	210	1540	Hose 4 SH-DN 19
25	-16	1"	25.4	35.1	38.1	385	5580	1750	25370	220	2085	Hose 4 SH-DN 25
31	-20	1 1/4"	31.8	42.2	45.0	350	5070	1400	20300	420	2460	Hose 4 SH-DN 31
38	-24	1 1/2"	38.1	49.1	52.4	300	4350	1250	18120	560	3190	Hose 4 SH-DN 38
51	-32	2"	50.8	63.5	67.5	250	3620	1000	14500	700	4500	Hose 4 SH-DN 51

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions

### Swage Ferrule:

Interlock P6-I - internal and external skive - Page 3.03



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight g/m	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
mm			mm	mm	mm	bar	P.S.I.	bar	P.S.I.	mm		
19	-12	3/4"	19.0	29.0	31.8	350	5070	1950	28270	240	1620	Hose R13-DN 19
25	-16	1"	25.4	36.0	39.2	350	5070	1650	23920	300	2195	Hose R13-DN 25
31	-20	1 1/4"	31.8	47.0	50.0	350	5070	1600	23200	419	3610	Hose R13-DN 31
38	-24	1 1/2"	38.1	54.6	57.5	350	5070	1600	23200	500	4720	Hose R13-DN 38
51	-32	2"	50.8	68.4	72.0	350	5070	1500	21750	630	6285	Hose R13-DN 51

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals (DN <31) -  
Six High Tensile Steel Spirals (DN 31 - 38 - 51)

Cover: Synthetic Rubber with High Temperature, Ozone,  
Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +121°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols,  
Mineral Oil / Water Emulsions

### Swage Ferrule:

Interlock P7-I - internal and external skive - Page 3.04



DN	Hose Size		I.D.	R.O.D.	O.D.	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight g/m	Part code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
mm			mm	mm	mm	bar	P.S.I.	bar	P.S.I.	mm		
19	-12	3/4"	19.0	28.2	31.0	420	6090	1750	25370	265	1430	Hose R15-DN 19
25	-16	1"	25.4	35.1	38.1	420	6090	1750	25370	267	2040	Hose R15-DN 25
31	-20	1 1/4"	31.8	46.3	49.5	420	6090	1680	24360	267	3670	Hose R15-DN 31
38	-24	1 1/2"	38.1	54.6	57.5	420	6090	1680	24360	315	4720	Hose R15-DN 38

### Tube: Oil Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals (DN <31) -  
Six High Tensile Steel Spirals (DN 31 - 38)

Cover: Synthetic Rubber with High Temperature, Ozone,  
Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +121°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols,  
Mineral Oil / Water Emulsions

### Swage Ferrule:

PF-R7 - Page 2.07



DN	Hose Size		I.D. +/-0.5 mm	O.D. +/-0.5 mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius mm	Weight g/m	Part code
	dash	in.			bar	P.S.I.	bar	P.S.I.			
05		3/16"	4.8	10.2	210	3040	840	12180	35	80	Hose R7-DN 05
06		1/4"	6.4	12.0	190	2750	760	11020	50	95	Hose R7-DN 06
08		5/16"	7.9	14.3	187	2710	750	10870	55	135	Hose R7-DN 08
10		3/8"	9.5	16.3	175	2530	700	10150	75	165	Hose R7-DN 10
12		1/2"	12.7	20.3	140	2030	560	8120	95	225	Hose R7-DN 12
16		5/8"	16.0	23.5	100	1450	400	5800	203	230	Hose R7-DN 16
19		3/4"	19.0	27.5	85	1230	340	4930	254	260	Hose R7-DN 19
25		1"	25.0	33.3	70	1010	280	4060	305	360	Hose R7-DN 25

### Tube: Oil Resistant Thermoplastic Elastomer

Reinforcement: Two Polyester Braids

Cover: Thermoplastic Elastomer with High Ozone and Abrasion Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: +100°C for Oil, +65°C for Air, Water and Water Based Fluids

**Swage Ferrule:**

PF-R7 - Page 2.07



DN	Hose Size		I.D. +/-0.5 mm	O.D. +/-0.5 mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius mm	Weight g/m	Part code
	dash	in.			bar	P.S.I.	bar	P.S.I.			
05		3/16"	4.8	10.0	350	5075	1400	20300	35	72	Hose R8-DN 05
06		1/4"	6.4	11.8	350	5075	1400	20300	50	86	Hose R8-DN 06
08		5/16"	8.0	14.3	325	4710	1300	18850	60	126	Hose R8-DN 08
10		3/8"	9.7	16.0	280	4060	1120	16240	80	149	Hose R8-DN 10
12		1/2"	13.0	20.3	245	3550	980	14210	95	225	Hose R8-DN 12

**Tube: Oil Resistant Thermoplastic Elastomer**

Reinforcement: Two Polyester Braids

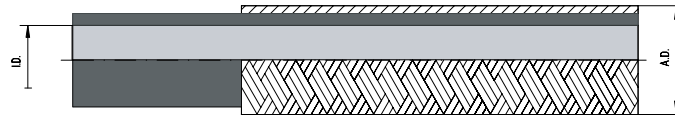
Cover: Thermoplastic Elastomer with High Ozone and Abrasion Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: +100°C for Oil, +65°C for Air, Water and Water Based Fluids

### Swage Ferrule:

PF-PTFE - Page 2.05



DN	Hose Size		I.D. +/- 0.5 mm	O.D. +/- 0.5 mm	Max. Working Pressure		Min. Bend Radius mm	Weight g/m	Part code
	dash	in.			bar	P.S.I.			
05		3/16"	5.0	8.2	240	3480	45	83	Hose PT1W-DN 05
06		1/4"	6.7	10.0	240	3480	100	126	Hose PT1W-DN 06
08		5/16"	8.2	11.7	200	2900	120	172	Hose PT1W-DN 08
10		3/8"	10.3	13.8	175	2530	140	223	Hose PT1W-DN 10
12		1/2"	13.0	17.0	150	2170	160	293	Hose PT1W-DN 12
16		5/8"	16.0	20.2	135	1950	190	360	Hose PT1W-DN 16
19		3/4"	19.0	23.2	110	1590	230	423	Hose PT1W-DN 19
25		1"	25.4	30.3	80	1160	300	640	Hose PT1W-DN 25

### With flat, thick PTFE-Tube (Heavy Wall)

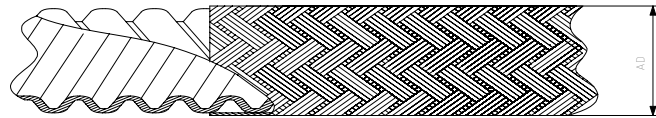
Reinforcement: One Braid of Stainless Wire - AISI 304

Max. Operating Temperature: -60° to +260°C

The working pressure apply to working temperatures from +20°C to +50°C.

### Swage Ferrule:

PF-W-PTFE - Page 2.06



DN	Hose Size		I.D. +/-0.5	O.D.	Tol.	Max. Working Pressure		Min. Bend Radius	Weight g/m	Part code
	dash	in.				bar	P.S.I.			
mm			mm	mm	mm			mm		
06		1/4"		11.6	± 0.5	130	1880	18		Hose PT3W-DN 06
08		5/16"		12.7	± 0.5	120	1740	19		Hose PT3W-DN 08
10		3/8"		15.6	± 0.6	110	1590	20		Hose PT3W-DN 10
12		1/2"		18.9	± 0.8	100	1450	25		Hose PT3W-DN 12
16		5/8"		22.2	± 0.8	70	1010	50		Hose PT3W-DN 16
19		3/4"		26.4	± 1.1	60	870	65		Hose PT3W-DN 19
25		1"		33.0	± 1.3	40	580	90		Hose PT3W-DN 25
31		1 1/4"		40.5	± 1.5	30	430	127		Hose PT3W-DN 31

### PTFE-Convolut-ed-Hose with 1 braid

Max. Operating Temperature: -60° to +260°C

The working pressure apply to working temperatures from +20°C to +50°C.