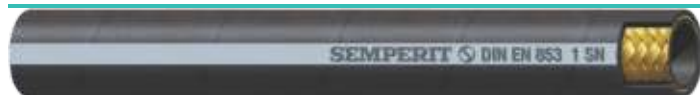


# HYDRAULIC HOSE

## DIN EN 853 1 SN / SAE 100 R 1S



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
6	1/4	6,6	10,9	13,0	225	3265	450	900	100	0,19
8	5/16	8,3	12,5	14,7	215	3120	430	860	115	0,22
10	3/8	9,9	14,8	16,8	180	2610	360	720	125	0,28
12	1/2	13,0	17,9	20,0	160	2320	320	640	180	0,36
16	5/8	16,4	21,0	23,2	130	1885	260	520	200	0,44
19	3/4	19,5	25,0	27,1	105	1525	210	420	240	0,56
25	1	26,0	32,9	35,1	88	1275	176	352	300	0,83
31	1-1/4	32,5	39,9	42,5	63	915	150	252	420	1,07
38	1-1/2	38,7	46,5	50,1	50	725	100	200	500	1,42
51	2	51,1	59,9	64,1	40	580	80	160	630	2,01

### Tube:

Synthetic rubber, resistant against hydraulic fluids

### Reinforcement:

One braids of high tensile steel wire

### Cover:

Abrasion and ozone resistant synthetic rubber.

Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

## DIN EN 853 2 SN / SAE 100 R 2S



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
6	1/4	6,6	12,4	14,4	400	5800	800	1600	100	0,31
8	5/16	8,3	14,0	16,0	350	5075	700	1400	115	0,37
10	3/8	9,9	16,4	18,4	330	4785	660	1320	125	0,44
12	1/2	13,0	19,4	21,4	275	4000	550	1100	180	0,53
16	5/8	16,4	22,6	24,6	250	3625	500	1000	200	0,66
19	3/4	19,5	26,6	28,6	215	3120	430	830	240	0,84
25	1	26,0	34,5	37,1	165	2395	325	660	300	1,23
31	1-1/4	32,5	43,9	46,1	125	1815	250	500	420	1,77
38	1-1/2	38,7	51,1	54,5	90	1305	180	360	500	2,17
51	2	51,1	62,9	66,7	80	1160	160	320	630	2,79

### Tube:

Synthetic rubber, resistant against hydraulic fluids

### Reinforcement:

One braids of high tensile steel wire

### Cover:

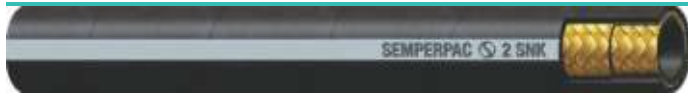
Abrasion and ozone resistant synthetic rubber.

Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

## SEMPERPAC 2 SN-K



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
6	1/4	6,6	11,4	13,4	450	6525	900	1800	45	0,27
8	5/16	8,3	13,0	15,0	420	6090	840	1680	60	0,31
10	3/8	9,9	14,9	17,0	385	5585	770	1540	70	0,39
12	1/2	13,0	18,7	20,7	345	5000	690	1380	90	0,52
16	5/8	16,4	21,6	23,6	290	4205	580	1160	130	0,61
19	3/4	19,5	25,7	27,7	280	4060	560	1120	160	0,79
25	1	26,0	32,9	35,6	200	2900	400	800	210	1,15
31	1-1/4	32,5	40,5	43,5	175	2540	350	700	300	1,57

### Tube:

Synthetic rubber, resistant against hydraulic fluids

### Reinforcement:

One braids of high tensile steel wire

### Cover:

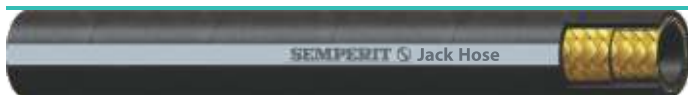
Abrasion and ozone resistant synthetic rubber.

Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

## JACK HOSE



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
-4	1/4	6,4	12,7	15,0	700	10000	830	1400	100	0,30
-6	3/8	9,5	16,7	19,0	700	10000	830	1400	130	0,50

### Tube:

Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC)

### Reinforcement:

One braids of high tensile steel wire

### Cover:

Abrasion and ozone resistant synthetic rubber.

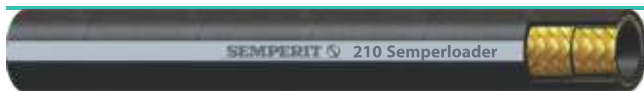
Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

**Standard Branding:** Embossed

## 210 SEMPERLOADER



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
25	1	26,0	34,0	36,2	210	3000	420	840	150	1,40

### Tube:

High Impulse Hose lower bend radius. Reduce length changes at working pressure

### Reinforcement:

One braids of high tensile steel wire

### Cover:

Abrasion and ozone resistant synthetic rubber.

### Lining:

Oil resistant synthetic rubber

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

## DIN EN 856 4 SP



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
10	3/8	9.9	17.7	21.0	445	6455	890	1780	180	0.70
12	1/2	13.0	20.6	24.2	425	6465	850	1700	230	0.85
16	5/8	16.0	24.2	27.9	350	5075	700	1400	250	1.11
19	3/4	19.5	28.3	31.9	350	5075	700	1400	300	1.41
25	1	26.0	35.1	39.1	320	4640	640	1280	340	1.86

### Tube:

Synthetic rubber, resistant against hydraulic fluids

### Reinforcement:

Four high tensile steel wire spiral layers

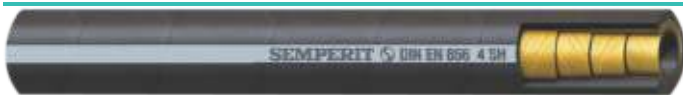
### Cover:

Abrasion and ozone resistant synthetic rubber - MSHA Approved.  
Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

## DIN EN 856 4 SH



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
19	3/4	19,5	28,3	31,9	430	6235	860	1720	210	1,43
25	1	26,0	35,4	38,7	400	5800	800	1600	220	2,08
31	1-1/4	32,5	42,3	45,2	360	5220	720	1440	240	2,58
38	1-1/2	38,7	49,2	53,4	290	4200	580	1160	560	3,30
51	2	51,1	63,2	67,3	250	3625	500	1000	700	4,94

### Tube:

Synthetic rubber, resistant against hydraulic fluids

### Reinforcement:

Four high tensile steel wire spiral layers

### Cover:

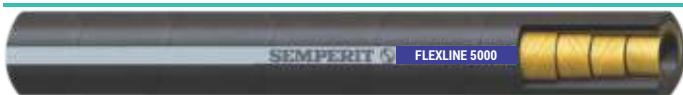
Abrasion and ozone resistant synthetic rubber - MSHA Approved.  
Note: Various covers available

### Temperature Range (medium):

-40 °C to 100 °C (max 120 °C intermittent)

DN19, DN25 & DN 31: 4SH Premium

## FLEXILINE 5000



Nominal Ø		Inside Ø mm	Braid Ø mm	Outside Ø mm	Working pressure		Test pressure bar	Burst pressure bar	Bend radius mm	Weight kg/m
mm	inch				BAR	PSI				
10	3/8	9,9	17,7	20,2	380	5510	760	1520	65	0,67
12	1/2	13,0	20,6	22,9	380	5510	760	1520	90	0,78
16	5/8	16,4	24,2	26,5	380	5510	760	1520	100	1,03
19	3/4	19,5	27,9	30,5	380	5510	760	1520	120	1,33
25	1	26,0	35,1	37,9	350	5075	700	1400	150	1,94
32	1-1/4	32,5	42,3	45,9	350	5075	700	1400	280	2,55

### Tube:

Synthetic, rubber, resistant against hydraulic fluids (HL, HLP, HVLP, HFA, HFAS, HFB, HFC)

### Reinforcement:

Four spiral layers high tensile steel wire

### Cover:

Abrasion and ozone resistant synthetic rubber, MSHA approved

### Note:

MSHA and SemperRock cover available

### Temperature range (medium):

-40 °C to 100 °C / -40 °F to 250 °F (max 125 °C / 257 °F intermittent)