



Hydraulic hose according to DIN EN 853
exceed DIN EN 853 1SN

1SN

CONSTRUCTION:

Inner tube synthetic rubber
single wire braid reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
	inch	mm	mm	bar	bar	mm	Kg/m
05	3/16"	4,8	11,8	250	1000	89	0,20
06	1/4"	6,3	13,4	225	900	102	0,25
08	5/16"	7,9	15,0	215	850	114	0,31
10	3/8"	9,5	17,4	180	720	127	0,36
13	1/2"	12,7	20,6	160	640	178	0,45
16	5/8"	15,8	23,7	130	520	203	0,52
20	3/4"	19,1	27,7	105	420	241	0,65
25	1"	25,4	35,6	88	350	305	0,91
32	1.1/4"	31,8	43,5	63	250	419	1,30
38	1.1/2"	38,1	50,6	50	200	508	1,70
50	2"	50,8	64,0	40	160	635	2,00



Hydraulic hose according to DIN EN 853 - DIN 20022

2SN

CONSTRUCTION:

Inner tube synthetic rubber
two wires braid reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
	inch	mm	mm	bar	bar	mm	Kg/m
05	3/16"	4,8	13,5	415	1660	90	0,30
06	1/4"	6,4	15,0	400	1600	100	0,30
08	5/16"	8,0	16,6	350	1400	115	0,36
10	3/8"	9,5	19,0	330	1320	130	0,49
13	1/2"	12,7	22,2	275	1100	180	0,56
16	5/8"	16,0	25,4	250	1000	200	0,60
20	3/4"	19,0	29,3	215	860	240	0,83
25	1"	25,4	38,1	165	660	300	1,22
32	1.1/4"	31,8	48,3	125	500	420	1,91
38	1.1/2"	38,1	54,6	90	360	500	2,17
50	2"	50,8	66,9	80	320	630	2,74



Hydraulic hose according to DIN EN 857 1SC
exceed DIN EN 857 1SC
ISO 11237

1SC

CONSTRUCTION:

Inner tube synthetic rubber
single wire braid reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons, etc

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD mm	Working Pressure bar	Burst Pressure bar
	inch	mm			
06	1/4"	6,4	12,3	225	900
08	5/16"	8,0	13,5	215	850
10	3/8"	9,5	17,4	180	720
13	1/2"	12,7	20,6	160	630
16	5/8"	16,0	23,7	130	520
20	3/4"	19,0	27,7	105	420
25	1"	25,4	35,6	88	350



Hydraulic hose according to DIN EN 857
EN 857 2SC - exceed SAE 100 R16

2SC

CONSTRUCTION:

Inner tube synthetic rubber
two wires braid reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD mm	Working Pressure bar	Burst Pressure bar
	inch	mm			
06	1/4"	6,4	13,3	400	1600
08	5/16"	8,0	14,8	350	1400
10	3/8"	9,5	17,1	330	1320
13	1/2"	12,7	20,4	275	1100
16	5/8"	16,0	23,5	250	1000
20	3/4"	19,0	27,6	215	860
25	1"	25,4	35,8	165	660



Hydraulic hose according to DIN EN 853
EN 856 4SP - ISO 3862 4SP

4SP

CONSTRUCTION:

Inner tube synthetic rubber
four wires spiral reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons etc.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
	inch	mm	mm	bar	bar	mm	Kg/m
10	3/8"	9,5	21,4	445	1780	180	0,78
13	1/2"	12,7	24,6	415	1700	230	0,93
16	5/8"	15,8	28,5	350	1400	250	1,17
20	3/4"	19,1	32,0	350	1400	300	1,48
25	1"	25,4	39,7	280	1280	340	2,02
32	1.1/4"	31,8	47,5	210	840	460	3,05
38	1.1/2"	38,1	53,5	185	740	560	3,52
50	2"	50,8	71,0	165	660	660	5,20



Hydraulic hose according to DIN EN 853 - DIN 20022
exceed EN 856 4SH - ISO 3862 4SH

4SH

CONSTRUCTION:

Inner tube synthetic rubber
four wires spiral reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons etc.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

DN	Hose ID		Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
	inch	mm	mm	bar	bar	mm	Kg/m
20	3/4"	19,1	32,2	420	1680	280	1,70
25	1"	25,4	38,7	380	1520	340	2,50
32	1.1/4"	31,8	45,5	325	1380	460	3,00
38	1.1/2"	38,1	53,5	290	1160	560	3,60
50	2"	50,8	68,1	250	1000	700	5,00

FLEXSA[®] hydraulic Hose



Hydraulic hose according to DIN EN 856
EN 856 SAE 100 R12 - ISO 3862

R12

CONSTRUCTION:

Inner tube synthetic rubber
four wires spiral reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons etc.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
DN	inch	mm	mm	bar	bar	mm	Kg/m
10	3/8"	9,5	20,25	445	1780	180	0,78
13	1/2"	12,7	23,80	415	1700	230	0,93
16	5/8"	15,9	27,30	350	1400	250	1,17
20	3/4"	19,1	30,70	350	1400	300	1,48
25	1"	25,4	38,0	280	1280	340	2,02
32	1.1/4"	31,8	47,0	210	840	460	3,05
40	1.1/2"	38,1	53,45	185	740	560	3,52



Hydraulic hose according to DIN EN 856
exceed EN 856 SAE 100 R13 - ISO 3862

R13

CONSTRUCTION:

Inner tube synthetic rubber
six wires spiral reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons etc.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
DN	inch	mm	mm	bar	bar	mm	Kg/m
20	3/4"	19,1	32,20	350	1380	240	1,65
25	1"	25,4	39,35	350	1380	300	2,25
32	1.1/4"	31,8	45,50	350	1380	420	3,60
38	1.1/2"	38,1	57,30	350	1380	500	4,75
50	2"	50,8	71,10	350	1380	630	6,90



Hydraulic hose according to DIN EN 856
exceed ISO 3862 R15

R15

CONSTRUCTION:

Inner tube synthetic rubber
six wires spiral reinforcement
synthetic rubber cover

APPLICATIONS:

Hose range suitable to carry
hydraulic fluids such as glycol,
mineral oils, fuels, lubrication,
emulsion, hydrocarbons etc.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius
DN	inch	mm	mm	bar	bar	mm
20	3/4"	19,1	32,00	420	840	265
25	1"	25,4	39,00	420	840	330
32	1.1/4"	31,8	50,75	420	840	445
38	1.1/2"	38,1	57,30	420	840	530
50	2"	50,8	71,50	420	840	630

FLEXSA[®] hydraulic Hose



Hydraulic hose according to EN 854 DIN 20021

1TE

CONSTRUCTION:

Inner tube synthetic rubber reinforced with one textile braid synthetic rubber cover

APPLICATIONS:

Low pressure hose for hydraulic applications. Suitable for passage of mineral and vegetable oils, aqueous emulsions, water and air.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
DN	inch	mm	mm	bar	bar	mm	Kg/m
3	3/16"	4,8	10,8	40	160	35	0,11
4	1/4"	6,4	12,4	35	140	45	0,13
5	5/16"	7,9	13,9	30	120	65	0,15
6	3/8"	9,5	15,5	27	108	75	1,48
8	1/2"	12,7	18,7	20	80	90	0,17
10	5/8"	15,9	22,9	20	80	115	0,31
12	3/4"	19,0	26,0	20	80	170	0,36



Hydraulic hose according to EN 854 DIN 20021

2TE

CONSTRUCTION:

Inner tube synthetic rubber reinforced with two textile braids synthetic rubber cover

APPLICATIONS:

Medium pressure hose for hydraulic applications. Suitable for passage of mineral and vegetable oils, aqueous emulsions, water and air.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
DN	inch	mm	mm	bar	bar	mm	Kg/m
3	3/16"	4,8	11,8	90	360	35	0,14
4	1/4"	6,4	13,4	85	340	40	0,16
5	5/16"	7,9	14,9	75	300	50	0,19
6	3/8"	9,5	16,5	65	260	60	0,21
8	1/2"	12,7	19,7	62	248	70	0,27
10	5/8"	15,9	23,9	57	228	90	0,35
12	3/4"	19,0	27,0	50	200	110	0,42
14	7/8"	22,2	32,0	48	192	140	0,48
16	1"	25,4	34,4	45	180	150	0,54
18	1.1/8"	28,6	38,0	45	180	175	0,60
20	1.1/4"	31,8	41,5	35	140	190	0,85
24	1.1/2"	38,0	50,0	35	140	240	1,10



Hydraulic hose according to EN 854 DIN 20021

3TE

CONSTRUCTION:

Inner tube synthetic rubber reinforced with two textile braids synthetic rubber cover

APPLICATIONS:

Medium pressure hose for hydraulic applications. Suitable for passage of mineral and vegetable oils, aqueous emulsions, water and air.

WORKING TEMPERATURE:

From -40 °C up to +100 °C

Hose ID			Hose OD	Working Pressure	Burst Pressure	Bend Radius	Weight
DN	inch	mm	mm	bar	bar	mm	Kg/m
4	1/4"	6,4	14,4	145	580	45	0,17
5	5/16"	7,9	16,9	130	520	55	0,21
6	3/8"	9,5	18,5	110	440	70	0,27
8	1/2"	12,7	21,7	93	370	85	0,32
10	5/8"	15,9	25,9	80	320	105	0,39
12	3/4"	19,0	29,0	70	280	130	0,49
16	1"	25,4	35,9	55	220	150	0,65
20	1.1/4"	31,8	42,3	45	180	190	0,85
24	1.1/2"	38,1	49,6	40	160	240	1,10