

# HOSE CATALOG



Hydraulic Hose. Industrial Hose.  
PVC Hose

081-327-31-7070 (Richard)

Komplek Pergudangan Aeropolis blok BS No 33  
Jl. Marsekal Surya Darma, Neglasari Tangerang, Banten.

### Hydraulic Hoses according to DIN EN 853

#### DIN EN 853 1 SN



Nominal Ø		Inside Ø	Braid Ø	Outside Ø	Working pressure		Test pressure	Burst pressure	Bend radius	Weight
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg / m
5	3/16	4,8	9,5	11,8	250	3625	600	1000	90	0,19
6	1/4	6,4	11,1	13,4	225	3265	540	900	100	0,21
8	5/16	7,9	12,7	15,0	215	3120	510	850	115	0,24
10	3/8	9,5	15,1	17,4	180	2610	430	720	125	0,33
12	1/2	12,7	18,3	20,6	160	2320	385	640	180	0,41
16	5/8	15,9	21,4	23,7	130	1885	310	520	200	0,45
19	3/4	19,0	25,4	27,7	105	1525	250	420	240	0,58
25	1	25,4	33,3	35,6	88	1275	210	350	300	0,88
31	1-1/4	31,8	40,5	43,5	63	915	150	250	420	1,23
38	1-1/2	38,1	46,8	50,6	50	725	120	200	500	1,51
51	2	50,8	60,2	64,0	40	580	96	160	630	1,97

#### Hose Construction:

Tube: oil resistant synthetic rubber

Reinforcement: one high tensile steel wire braid

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range: -40°C to +100°C (+120°C max)

#### DIN EN 853 2 SN



Nominal Ø		Inside Ø	Braid Ø	Outside Ø	Working pressure		Test pressure	Burst pressure	Bend radius	Weight
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg / m
5	3/16	4,8	11,1	13,4	415	6020	990	1650	90	0,31
6	1/4	6,4	12,7	15,0	400	5800	960	1600	100	0,33
8	5/16	7,9	14,3	16,6	350	5075	840	1400	115	0,39
10	3/8	9,5	16,7	19,0	330	4785	790	1320	125	0,50
12	1/2	12,7	19,8	22,2	275	3990	660	1100	180	0,59
16	5/8	15,9	23,0	25,4	250	3625	600	1000	200	0,71
19	3/4	19,0	27,0	29,3	215	3120	515	850	240	0,86
25	1	25,4	34,9	38,1	165	2395	395	650	300	1,28
31	1-1/4	31,8	44,5	48,3	125	1815	300	500	420	2,02
38	1-1/2	38,1	50,8	54,6	90	1305	215	360	500	2,20
51	2	50,8	63,5	67,3	80	1160	190	320	630	2,85

#### Hose Construction:

Tube: oil resistant synthetic rubber

Reinforcement: two high tensile steel wire braids

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range: -40°C to +100°C (+120°C max)

### Hydraulic Multispiral Hydraulic Hoses

DIN EN 856 4 SP



Nominal Ø		Inside Ø	Wire Ø	Outside Ø	Working pressure		Test pressure	Burst pressure	Bend radius	Weight
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg / m
10	3/8	9,5	17,5	21,4	445	6455	1070	1780	180	0,78
12	1/2	12,7	20,2	24,6	425	6165	1020	1700	230	0,93
16	5/8	15,9	23,8	28,2	350	5075	840	1400	250	1,17
19	3/4	19,0	28,2	32,2	350	5075	840	1400	300	1,48
25	1	25,4	35,3	39,7	280	4060	670	1120	340	2,02
31	1-1/4	31,8	46,0	50,8	210	3045	500	840	460	3,05
38	1-1/2	38,1	52,4	57,2	185	2685	445	740	560	3,52
51	2	50,8	65,3	69,8	165	2395	395	660	660	5,20

#### Hose Construction:

Tube: oil resistant synthetic rubber

Reinforcement: four high tensile steel wire spiral layers

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range: -40°C to +100°C (+120°C max)

DIN EN 856 4 SH



Nominal Ø		Inside Ø	Wire Ø	Outside Ø	Working pressure		Test pressure	Burst pressure	Bend radius	Weight
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg / m
19	3/4	19,0	28,4	32,2	420	6090	1000	1680	280	1,53
25	1	25,4	35,2	38,7	380	5510	910	1520	340	2,06
31	1-1/4	31,8	41,9	45,5	345	5000	830	1380	460	2,46
38	1-1/2	38,1	48,8	53,5	290	4205	695	1160	560	3,35
51	2	50,8	63,2	68,1	250	3625	600	1000	700	4,55

#### Hose Construction:

Tube: oil resistant synthetic rubber

Reinforcement: four high tensile steel wire spiral layers

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range: -40°C to +100°C (+120°C max)

### Industrial Hoses



ID (mm)	ID (inch)	Wall (mm)	WP (bar)	BP (bar)	Radius (mm)	Weight (kg/m)
6	1/4	3.5	20	60	35	0.17
8	5/16	3.5	20	60	50	0.25
10	3/8	3.5	20	60	60	0.29
13	1/2	4.0	20	60	70	0.42
16	5/8	4.5	20	60	90	0.48
19	3/4	5.0	20	60	125	0.60
25	1	5.5	20	60	150	0.83
32	1-1/4	6.0	20	30	230	0.94
38	1-1-2	6.0	20	30	270	1.08
51	2	7.0	20	30	400	1.80

#### Hose Construction:

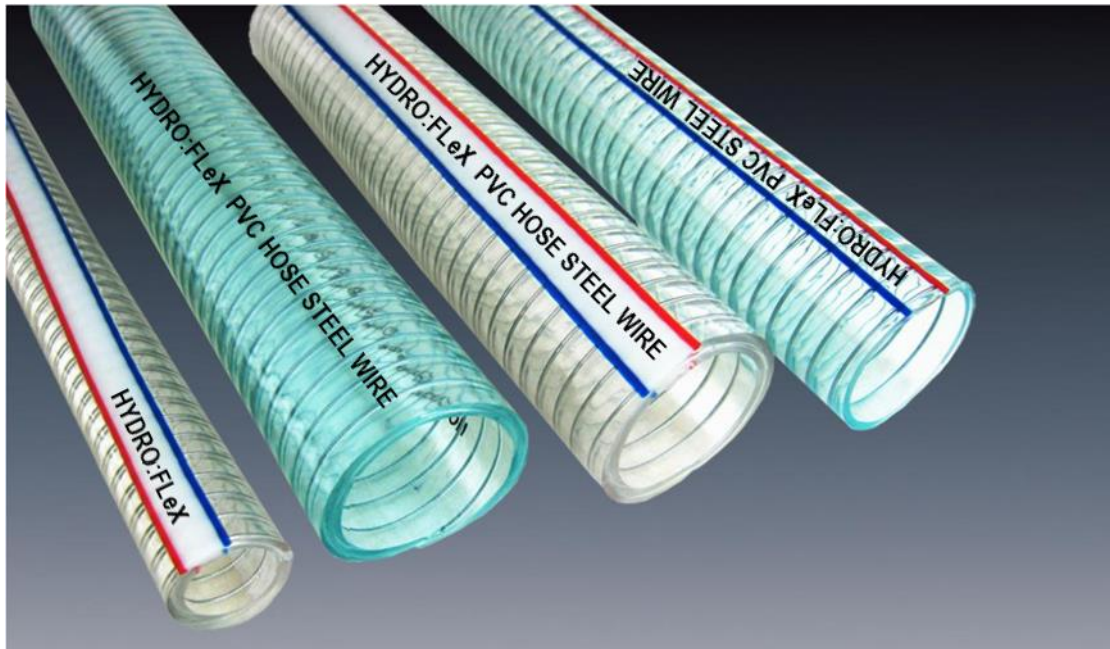
Tube: NBR Oil resistant rubber

Reinforcement: textile braided high tensile synthetic yarn

Cover: NBR/CR blended, oil, weather and ozone resistant

Temperature range: -35°C to +90°C

### PVC Steel Wire Spiral Reinforced Hose



**PVC Steel Wire Spiral Reinforced Hose Specification Table**

ID (mm)	ID (inch)	Wall (mm)	OD (mm)	WP (bar)	BP (bar)	Weight (kg/m)
8	5/16	2.5	13	11	33	0.12
10	3/8	3	16	11	33	0.18
12	1/2	3	18	10	30	0.22
16	5/8	3	22	10	30	0.28
19	3/4	3	25	9	27	0.32
25	1	4	33	7	25	0.55
32	1-1/4	4.5	41	7	25	0.79
38	1-1/2	4.5	47	6	18	0.9
51	2	5	61	4	14	1.4
64	2-1/2	5	74	3	11	1.8
76	3	7	90	3	11	2.7
89	3-1/2	7	103	3	11	3.5

ID (mm)	ID (inch)	Wall (mm)	OD (mm)	WP (bar)	BP (bar)	Weight (kg/m)
102	4	7	116	3	10	4.0
127	5	7	141	3	10	6.0
152	6	8	168	3	10	7.0
203	8	12.5	228	3	10	14.5
250	10	15	280	3	10	23

### Features :

This product is a PVC hose with a steel wire frame embedded in it. It is light and transparent (can see the flow of objects inside the pipe), has good weather resistance, small bending radius and good negative pressure resistance. It can maintain its original shape under vacuum and high pressure. The color marking line can be added on the tube surface to make it more beautiful.

### Application Range:

It can be widely used in food and health industry. It is an ideal pipe for pumping water, oil and powder in industry, agriculture and engineering.