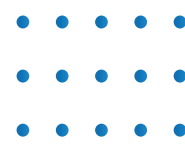




MECHTECH
ENGINEERING Co.

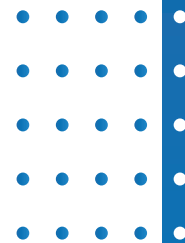


**ANY PRESSURE.
ANY PROJECT.
ONE SOLUTION.**

ONE STOP

HYDRAULIC SOLUTION

**BEST FLUID
CONVEYANCE
PRODUCTS**





WELCOME TO MECHTECH ENGINEERING

MechTech has been serving industries with a wide range of Hydraulics and Industrial Flexible hoses in any range and for any special requirements since last 5 years.

We feel proud to say that we can supply many famous brand like Gates, Super Hose, Parker and Imported also.

We have an expertise in manufacturing wire & Textile reinforcement Low & medium pressure hoses which suits every requirement of the industries. We have vast range of products like SAE 100 RIAT, SAE100R2AT, SAE100R3, SAE100R6, steam hoses, Fuel dispensing hoses, Jack Hoses, Rock drill Hoses, Air/Water Hoses, Pneumatic Tool Hoses, Super Spray Hoses, Governor Hoses, Carbon Free Hoses, LPG & CNG Hoses etc.

We also supplying Hose with standard brands “Suraksha” for LPG (IOCL, BPCL,HPCL) which is widely used in household. LPG pipes of Super Hose brand is a BIS approved product.

We are supplying flexible hoses are designed to function effectively under varied temperature & pressure conditions. A wide variety of Hoses are manufactured using the most advanced braiding machines from OMA (Italy). Extrusion is on a high speed (Cold Feed) extruder with automatic diameter controller, which ensures the required OD to optimum levels. Production is also under taken for a wide range of swaged reusable & socket less fittings. These fittings are completely compatible with hoses to ensure fail-safe assemblies.

PRODUCTS OF MECHTECH

1 Hydraulic Hose

- ◇ SAE 100 R1 AT / EN 853 -1SN
- ◇ SAE 100 R2 AT / EN 853 - 2SN
- ◇ SlimFlex / EN857 1SC
- ◇ SlimFlex / EN857 2SC
- ◇ Super Loader Hose
- ◇ OpticFlex
- ◇ Jack Hose 725 BAR WP
- ◇ EternFlex
- ◇ Extra High Pressure Hose
- ◇ SAE 100 R5R
- ◇ SAE 100 R4
- ◇ SAE 100 R3
- ◇ SAE 100 R6
- ◇ SPIRA+ / ISO 3862 4SP/ EN 856 4SP
- ◇ SPIRA+ / ISO 3862 4SH / EN 856 4SH
- ◇ Spira+ SAE 100 R12
- ◇ Spira+ SAE 100 R13
- ◇ Spira+ SAE 100 R15

2 Industrial Hose

- ◇ Carbon Free Hose
- ◇ Steam Hose
- ◇ Petroleum Hose
- ◇ Chemical Hose
- ◇ Food Grade Hose
- ◇ Air / Water Hose

3 PVC Hose

- ◇ PVC Braided Hose
- ◇ PVC Suction & Delivery Heavy Duty Grey
- ◇ PVC Suction & Delivery Green

4 Metal Hose

- ◇ SS Corrugated Hose
- ◇ Interlock Hose

5

PTFE Hose

6

Thermoplastic Hose

◇ PH148 – MEDIUM PRESSURE HYDRAULIC HOSE – R7

◇ PH149 – HIGH PRESSURE HYDRAULIC HOSE – R8

7

Hydraulic Fitting

◇ Camlock Coupling

◇ Quick Release Coupling

◇ Hose End Fitting

◇ Tube Assemblies

◇ Adaptors

◇ SAE Flanges

◇ Tube Fittings

◇ Spiral Sleeves & Spring Gaurd

◇ Hose Clamps

◇ Minimes Hose & Fittings



HYDRAULIC HOSE

SAE 100 R1 AT / EN 853-1SN

Tube: Synthetic rubber, resistant to hydraulic fluids

Reinforcement: One braid of high tensile steel wire

Cover: Oil, weather & abrasion resistant synthetic rubber

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Working Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
01-3	3	5	3/16"	11.8	250	3625	1000	14500	90	0.206
01-4	4	6	1/4"	13.4	225	3263	900	13050	100	0.245
01-5	5	8	5/16"	15.0	215	3118	850	12325	115	0.289
01-6	6	10	3/8"	17.4	180	2610	720	10440	130	0.359
01-8	8	12	1/2"	20.5	160	2320	640	9280	180	0.447
01-10	10	16	5/8"	23.6	130	1885	520	7540	200	0.538
01-12	12	19	3/4"	27.7	105	1523	420	6090	240	0.677
01-16	16	25	1"	35.4	88	1276	350	5075	300	0.967
01-20	20	31	1 1/4"	43.7	63	914	250	3625	420	1.381
01-24	24	38	1 1/2"	50.0	50	725	200	2900	500	1.666
01-32	32	51	2"	63.7	40	580	160	2320	630	2.257

- Also available in high temperature upto 135°C & Intermittent 149°C in both Black & Blue Colour

- Hose are validated at 300K impulse cycle

SAE 100 R2 AT / EN 853-2SN

Tube: Synthetic rubber, resistant to hydraulic fluids

Reinforcement: Two braid of high tensile steel wire

Cover: Oil, weather & abrasion resistant synthetic rubber

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Working Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
02-3	3	5	3/16"	13.4	415	6018	1660	24070	90	0.331
02-4	4	6	1/4"	14.9	400	5800	1600	23200	100	0.393
02-5	5	8	5/16"	16.6	350	5075	1400	20300	115	0.453
02-6	6	10	3/8"	18.9	330	4785	1320	19140	130	0.564
02-8	8	12	1/2"	22.1	275	3988	1100	15950	180	0.673
02-10	10	16	5/8"	25.4	250	3625	1000	14500	200	0.787
02-12	12	19	3/4"	29.3	215	3118	850	12325	240	0.987
02-16	16	25	1"	37.6	165	2393	650	9425	300	1.427
02-20	20	31	1 1/4"	47.5	125	1813	500	7250	420	2.107
02-24	24	38	1 1/2"	54.5	90	1305	360	5220	500	2.734
02-32	32	51	2"	67.0	80	1160	320	4640	630	3.282

- Also available in high temperature upto 135°C & Intermittent 149°C in both Black & Blue Colour

- Hose are validated at 500K impulse cycle

SlimFlex/ EN 857-1SC (Single Wire Braided)

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : One braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius(mm)	Weight Kg / Mtr
1SC-4	4	6	1/4"	12.5	225	3260	900	13050	75	0.210
1SC-5	5	8	5/16"	13.7	215	3120	860	12470	85	0.220
1SC-6	6	10	3/8"	16.0	180	2610	720	10440	90	0.310
1SC-8	8	12	1/2"	19.3	160	2320	640	9280	130	0.390
1SC-8	10	16	5/8"	22.7	130	1885	520	7540	150	0.490
1SC-12	12	19	3/4"	25.9	105	1520	420	6090	180	0.570
1SC-16	16	25	1"	34.1	88	1275	352	5104	230	0.870
1SC-16	20	31	1 1/4"	35.4	63	1276	250	3625	300	0.967

- **Highlights:** Suitable for use within the temperature range -40°C to +100°C (-40°F to 212°F). Intermittent Temp upto +120°C

- Hose are validated at 300K impulse cycle

SlimFlex/ EN 857-2SC (Double Wire Braided)

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Two braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius(mm)	Weight Kg / Mtr
2SC-4	4	6	1/4"	1.5	400	5800	1600	23200	75	0.310
2SC-5	5	8	5/16"	15.2	350	5075	1400	20300	85	0.390
2SC-6	6	10	3/8"	17.5	330	4785	1320	19140	90	0.490
2SC-8	8	12	1/2"	20.6	275	4000	1100	15950	130	0.585
2SC-10	10	16	5/8"	23.8	250	3625	1000	14500	170	0.685
2SC-12	12	19	3/4"	28.2	165	3120	850	12325	200	0.920
2SC-16	16	25	1"	36.1	88	2390	650	9425	250	1.310

- **Highlights:** Suitable for use within the temperature range -40°C to +100°C (-40°F to 212°F). Intermittent Temp upto +120°C

- Hoses are validated at 500K impulse cycle

Super Loader hose

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Two braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (-40°F to 250°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
Loader-18	8	12	1/2"	24.6	345	5000	1380	20000	180	0.825
Loader-12	12	19	3/4"	31.5	280	4060	1120	16250	240	1.150
Loader-16	16	25	1"	39.2	250	3625	1000	14500	300	1.625

- **Highlights:** Suitable for use with petroleum base hydraulic fluids within the temperature range -40°C to +121°C (-40°F to 250°F).



Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : one or Two braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R17-4	4	6	1/4"	12.6	210	3000	840	12180	50	0.215
R17-5	5	8	5/16"	13.8	210	3000	840	12180	55	0.225
R17-6	6	10	3/8"	16.1	210	3000	840	12180	60	0.325
R17-8	8	12	1/2"	19.6	210	3000	840	12180	90	0.400
R17-10	10	16	5/8"	24.1	210	3000	840	12180	100	0.700
R17-12	12	19	3/4"	27.8	210	3000	840	12180	120	0.900
R17-16	16	25	1"	36.5	210	3000	840	12180	150	1.350

Note: Up to 1/2" Single wire braided, above 1/2" double braided.

- Highlights: Suitable for use within the temperature range -40°C to +100°C (-40°F to 212°F). Intermittent Temp upto +120°C

- Hose are validated at 500K impulse cycle

Jack Hose 725 BAR WP

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Two braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
Jack-4	8	12	1/2"	24.8	470	6815	1880	27260	160	1.000
Jack-6	10	16	5/8"	27.8	400	5800	1600	23200	216	1.095

- Highlights: Ideal for Hydraulic jacking System

EternFlex (Double Wire Braided)

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Two braid of high tensile steel wire

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (-40°F to 212°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R17-4	4	6	1/4"	13.6	400	5800	1600	23200	50	0.315
R17-5	5	8	5/16"	15.3	350	5075	1400	20300	55	0.400
R17-6	6	10	3/8"	17.6	330	4785	1320	19140	60	0.500
R17-8	8	12	1/2"	20.8	275	4000	1100	15950	90	0.595
R17-10	10	16	5/8"	24.0	250	3625	1000	14500	100	0.700
R17-12	12	19	3/4"	28.4	215	3120	850	12325	120	0.935
R17-16	16	25	1"	36.3	165	2390	650	9425	150	1.350

- Highlights: Suitable for use within the temperature range -40°C to +100°C (-40°F to 212°F). Intermittent Temp upto +120°C

- Hose are validated at 500K impulse cycle

Extra High Pressure Hose /SHIPL Proprietary - SH33

Tube: Synthetic rubber, resistant to hydraulic fluids

Reinforcement: Three braid of high tensile steel wire

Cover: Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (Max 120°C intermittent)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
SH 33-8	8	12	1/2"	24.8	470	6815	1880	27260	160	1.000
SH 33-10	10	16	5/8"	27.8	400	5800	1600	23200	216	1.095
SH 33-12	12	19	3/4"	32.5	355	5148	1420	20590	260	1.470
SH 33-16	16	25	1"	40.0	310	4495	1240	17980	310	1.952
SH 33-20	20	31	1 1/4"	46.5	240	3480	960	13920	410	2.341

- **Highlights:** Suitable for use with petroleum & water based hydraulic fluids

SAE 100 R5R

Tube: Synthetic rubber, resistant to hydraulic fluids

Reinforcement: One braid of high tensile steel wire

Cover: Oil, weather & abrasion resistant synthetic rubber

Temperature Range (Medium): -40°C to +100°C

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
05-4	4	5	3/8"	13.4	210	3045	840	12180	75	0.262
05-5	5	6	1/4"	14.8	210	3045	840	12180	85	0.290
05-6	6	8	5/16"	17.2	157	2277	628	9108	100	0.375
05-8	8	10	13/32"	19.3	140	2030	560	8120	115	0.428
05-10	10	12	1/2"	23.3	122	1769	488	7076	140	0.576
05-12	12	16	5/8"	27.4	105	1523	420	6090	165	0.733
05-16	16	22	7/8"	31.3	56	812	224	3248	185	0.664
05-20	20	29	1-1/8"	38.4	43	625	172	2494	230	0.962
05-24	24	35	1-3/8"	44.9	35	500	140	2030	265	1.157
05-32	32	46	1-13/16"	56.2	24	350	96	1392	335	1.450

- **Highlights:** Suitable for use with petroleum & water based hydraulic fluids

SAE 100 R4

Tube: Synthetic rubber, resistant to hydraulic fluids

Reinforcement: Two Textile braided with one helical/Spiral steel wire.

Cover: Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C (-40°F to 212°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R4-12	12	19	3/4"	32.0	21	300	84	1200	125	0.825
R4-16	16	25	1"	38.2	17	250	68	1000	150	1.010
R4-20	20	31	1 1/4"	45.5	14	200	56	800	200	1.310
R4-24	24	38	1 1/2"	52.0	10.5	150	42	600	255	1.535
R4-32	32	51	2"	64.5	7	100	28	400	300	1.925

- **Highlights:** Suitable for use Suction & Return line within the temperature range -40°C to +100°C (-40°F to 212°F).

SAE 100 R3

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Two Textile braided

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
03-4	4	6	1/4"	14.8	87	1262	348	5046	75	0.183
03-5	5	8	5/16"	17.3	84	1218	336	4872	100	0.261
03-6	6	10	3/8"	19.0	78	1131	312	4524	100	0.318
03-8	8	12	1/2"	23.8	70	1051	280	4060	125	0.462
03-10	10	16	5/8"	26.9	61	885	244	3538	140	0.531
03-12	12	19	3/4"	31.5	52	754	208	3016	150	0.739
03-16	16	25	1"	38.1	39	566	156	2262	205	0.904

- **Highlights:** Suitable for use with petroleum & water based hydraulic fluids

SAE 100 R6 (Single Wire Braided) (" Not Covered under SAE)

Tube : Synthetic rubber, resistant to hydraulic fluids

Reinforcement : Single Textile braided

Cover : Oil, weather & abrasion resistant synthetic rubber, MSHA cover is also available.

Temperature Range (Medium): -40°C to +100°C

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
06-4	4	6	1/4"	13.0	28	406	112	1624	65	0.117
06-5	5	8	5/16"	14.2	28	406	112	1624	75	0.14
06-6	6	10	3/8"	15.7	28	406	112	1624	75	0.171
06-8	8	12	1/2"	19.7	28	406	112	1624	100	0.243
06-10	10	16	5/8"	23.2	24	348	96	1392	125	0.325
06-12	12	19	3/4"	26.0	21	305	84	1218	150	0.351
06-14**	14	22	7/8"	29.5	15	218	60	870	165	0.422
06-16**	16	25	1"	33.1	15	218	60	870	177	0.508
06-20**	20	31	1 1/4"	43.0	14	203	56	812	225	0.975
06-24**	24t	38	1 1/2"	50.5	14	203	56	812	300	1.275
06-32**	32	51	2"	63.5	14	203	56	812	400	1.687

- Also available in high temperature upto 135°C & Intermittent 149°C in both Black & Blue Colour

SPIRA+/ISO 3862 4SP / EN 856 4SP

Tube : Synthetic rubber with uniform thickness

Reinforcement : 4 Spiral Steel Wire

Cover : Anti- Abrasive synthetic rubber, Resistant to oils Fuels & Atmospheric conditions

Temperature Range (Medium): -40°C to +100°C

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
Spiral Hose (4 SP)	8	12	1/2"	24.3	415	6018	1660	24070	230	0.940
	10	16	5/8"	28.0	350	5075	1400	20300	250	1.125
	12	19	3/4"	32.0	350	5075	1400	20300	300	1.497
	16	25	1"	39.5	280	4060	1120	16240	340	2.150
	20	31	1 1/4"	50.8	210	3045	840	12180	460	3.157
	24	38	1 1/2"	57.2	185	2683	740	10730	560	3.713
							660	9570	660	4.870

-Highlights: Recommended for Hydraulic Fluids Petroleum Based, Glycol Water Bases, Lubrificant

SPIRA+/ISO 3862 4SH / EN 856 4SH

Tube : Synthetic rubber with uniform thickness

Reinforcement : 4 Spiral Steel Wire

Cover : Anti- Abrasive synthetic rubber, Resistant to oils Fuels & Atmospheric conditions

Temperature Range (Medium): -40°C to +100°C

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
Spiral Hose (4 SH)	12	19	3/4"	32.0	420	6090	1780	25810	210	1.572
	16	25	1"	38.4	358	5583	1750	25375	220	2.104
	20	31	1 1/4"	45.8	350	5075	1400	20300	400	2.550
	24	38	1 1/2"	53.5	300	4350	1250	18125	560	3.225
	32	51	2"	68.0	250	3625	1000	14500	700	4.500

-Highlights: Recommended for Hydraulic Fluids Petroleum Based, Glycol Water Bases, Lubrificant

Spira+ SAE 100 R12 (Wire spiral Hydraulic Rubber Hose)

Tube : CR inner tube of oil resistant

Reinforcement : Four plies of steel wire wrapped in alternating direction

Cover : Oil, weather & abrasion resistant synthetic rubber

Temperature Range (Medium): -40°C to +121°C (-40°F to 250°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R12-6	6	10	3/8"	21.0	280	4050	1120	16250	125	0.70
R12-8	8	12	1/2"	24.6	280	4050	1120	16250	180	0.83
R12-10	10	16	5/8"	28.2	280	4050	1120	16250	200	1.12
R12-12	12	19	3/4"	31.5	280	4050	1120	16250	240	1.43
R12-16	16	25	1"	39.2	280	4050	1120	16250	300	2.00
R12-20	20	31	1 1/4"	48.6	210	3050	840	12200	420	2.80
R12-24	24	38	1 1/2"	55.0	175	2550	700	10150	500	3.40
R12-32	32	51	2"	68.3	175	2550	700	10150	640	4.25

- Highlights: Suitable for use with petroleum base hydraulic fluids within the temperature range -40°C to +121°C (-40°F to 250°F).

Spira+ SAE 100 R13 (Wire Spiral Hydraulic Rubber Hose)

Tube: CR Inner tube of oil resistant synthetic rubber

Reinforcement: Multiple spiral plies of steel wire wrapped in alternating direction

Cover: Oil, weather & abrasion resistant synthetic rubber cover

Temperature Range (Medium): -40°C to +121°C (-40°F to 250°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R13-12	12	19	3/4"	33.2	350	5075	1400	20300	240	1.80
R13-16	16	25	1"	39.8	350	5075	1400	20300	300	2.50
R13-20	20	31	1 1/4"	51.3	350	5075	1400	20300	420	3.80
R13-24	24	38	1 1/2"	58.8	350	5075	1400	20300	500	4.85
R13-32	32	51	2"	72.7	350	5075	1400	20300	640	6.90

- **Highlights:** Suitable for use with petroleum base hydraulic fluids within the temperature range -40°C to +121°C (-40°F to 250°F).

Spira+ SAE 100 R15 (Heavy Duty High Impulse Hydraulic Rubber Hose)

Tube: Inner tube of oil resistant synthetic rubber

Reinforcement: Multiple spiral plies of steel wire wrapped in alternating direction

Cover: Oil, weather & abrasion resistant synthetic rubber cover

Temperature Range (Medium): -40°C to +121°C (-40°F to 250°F)

Product Code SHIPL	Dash	DN	Hose ID Inch	Hose ID (mm)	Max. Working Bar	Pressure PSI	Min. Burst Bar	Pressure PSI	Min. Bend Radius (mm)	Weight Kg / Mtr
R15-6	6	10	3/8"	23.3	420	6100	1680	24350	150	0.80
R15-8	8	12	1/2"	26.8	420	6100	1680	24350	200	0.55
R15-12	12	19	3/4"	36.1	420	6100	1680	24350	265	1.85
R15-16	16	25	1"	42.9	420	6100	1680	24350	300	2.90
R15-20	20	31	1 1/4"	51.5	420	6100	1680	24350	445	4.20
R15-20	24	38	1 1/2"	59.6	420	6100	1680	24350	530	5.60

- **Highlights:** Suitable for use with petroleum base hydraulic fluids within the temperature range -40°C to +121°C (-40°F to 250°F).

INDUSTRIAL HOSE

Carbon Free Hose

We are a renowned name as Manufacturer, Exporter, and Supplier of Carbon Free Hose Pipes in India. The Hose Pipes, we bring forth, are manufactured with the use of high-grade stainless steel bands, compact cable hoses, copper rope, protection bumpers, etc. as per the industry set quality standards. They are used in a number of industries and are highly demanded owing to their superior performance, heat resistant quality, and excellent finish. To entertain the varied piping needs of buyers, these Carbon Free Hose Pipes are made available in different specifications.

Specifications :

- ◆ Hose is made up of water resisting & water proof rubber.
- ◆ Surfaces at both the ends of Hose are finished flat, while remaining surface is finished corrugated.
- ◆ The flat finished surfaces relieve the repeated bending stress applied to the conductor end.
- ◆ On the surface of Hose, water proof material is adhered during the vulcanization process.
- ◆ Stainless Steel clamps will be used to clamp the Hose Pipes.

Sizes with Variable lengths :

- ◆ 1/2" to 3"

Asbestos Covered Furnace Coolant Hose, Heat Resistant Carbon Free Hose, Cable Coolant Hose

Application:

For carrying power cables in glass works, electrical furnaces, servicing in iron & steel industries for protection from exposure to high temperature, current leakage, radiation from steel furnace, open flame and splashes of hot metal.

Construction :

◆ Lining :

Smooth, non conductive, natural / synthetic/blend rubber compound.

◆ Reinforcement :

Natural/synthetic rubberized woven textile fabric.

◆ Cover :

Oil, heat and electrical resistant synthetic rubber compound with or without asbestos outer.

Nom. Bore in (mm)	Tolerance on Nom. Bore (mm)	W.P. (Kg./cm ²)	P.P. (Kg./cm ²)	B.P. (Kg./cm ²)
12.5	±0.75	10.0	20.0	40.0
16.0	±0.75	10.0	20.0	40.0
20.0	±0.75	10.0	20.0	20.0
25.0	±1.25	±1.25	20.0	40.0
28.0	±1.25	10.0	20.0	40.0
31.5	±1.25	10.0	20.0	40.0
35.0	±1.50	10.0	20.0	40.0
38.0	±1.50	10.0	20.0	40.0
50.0	±2.00	10.0	20.0	40.0
56.0	±2.00	10.0	20.0	40.0
60.0	±2.00	10.0	20.0	40.0
63.0	±2.00	10.0	20.0	40.0
70.0	±2.00	10.0	20.0	40.0
75.0	±2.00	10.0	20.0	40.0
100.0	±2.050	10.0	20.0	40.0
150.0	±3.00	10.0	20.0	40.0

Steam Hose

Steam Hose (*Single Wire*)

Application: For transfer of steam at high temperature

Recommended for : With excellent steam handling the hose features a specially compounded, perforated synthetic rubber cover intended for use where the hose is exposed to all types of steam -saturated and superheated - upto 150 psi and 195°C. **WARNING : DO NOT THE ALTERNATE USE BETWEEN STEAM AND WATER**

Construction :

Tube : EPDM Black.

Reinforcement : Single Braid of High Tensile Brass Coated Steel Wire.

Cover : EPDM - Black. All sizes are perforated.

Service Temperature Range : -40°C to +195°C.

SPECIFICATION									
Nominal I.D.		Mean O.D		Working Pressure			Min. Burst Pressure		
mm	Inch	mm	Inch	Kg/cm ²	Mpa	PSI	Kg/cm ²	Mpa	PSI
20.0	¾	31.0	1.22	10	1	150	100	10	1500
25.0	1	36.6	1.44	10	1	150	100	10	1500
31.5	1¼	43.5	1.71	10	1	150	100	10	1500
38.0	1½	50.6	1.99	10	1	150	100	10	1500
50.0	2	63.5	2.50	10	1	150	100	10	1500

Steam Hose (*Double Wire*)

EXCEEDS IS : 10655 Type 3 & BS : 5342 Type 2

Application: For transfer of steam at high temperature

Recommended for : Steam King is a tough, flexible hose designed for a range of heavy-duty industrial uses including heat control, melting of substances such as wax and glue, thawing, cleaning and steam transfer applications. It will handle all type of steamsaturated and superheated - up to 185 psi and +232°C. **WARNING: DO NOT ALTERNATE US BETWEEN STEAM AND WATER.**

Construction :

Tube : EPDM Black.

Reinforcement : 1/2"- One Braid of High Tensile Brass Coated Steel Wire.

3/4" upto 2" : Two Braid of High Tensile Brass Coated Steel Wire.

Cover : EPDM - Black. All sizes are perforated.

Service Temperature Range : -40°C to +195°C.

SPECIFICATION									
Nominal I.D.		Mean O.D		Working Pressure			Min. Burst Pressure		
mm	Inch	mm	Inch	Kg/cm ²	Mpa	PSI	Kg/cm ²	Mpa	PSI
12.5	½	26.9	1.06	17	1.7	250	170	17	2500
20.0	¾	32.3	1.27	17	1.7	250	170	17	2500
25.0	1	38.5	1.52	17	1.7	250	170	17	2500
31.5	1¼	46.0	1.81	17	1.7	250	170	17	2500
38.0	1½	54.3	2.14	17	1.7	250	170	17	2500
50.0	2	67.5	2.66	17	1.7	250	170	17	2500

Petroleum Hose

Application: Used in dispensing Pumps for petrol and diesel fuels

Construction :

Tube: Specially compounded nitrile black.

Reinforcement: Braided high tenacity steel wire **SPIRA+/ISO 3862 4SH/ EN 856 4SH**

Cover: Modified Nitrile rubber black

Normal I.D.	Mean O.D	Working Pressure	Bend Radius mm	Service Temp. Range
¾"	28.7	17	152	-40 C to +75 C
1"	35	17	203	-40 C to +75 C

CHEMICAL HOSE / XLPE CHEMICAL SUCTION AND DISCHARGE HOSE W.P. 17 BAR

Construction

Core: White colour, Synthetic rubber with XLPE liner

Reinforcement: High Tensile Synthetic Textile Cord with steel helix and 2 cross anti static wire

Cover: Green colour EPDM, wrapped type, abrasion and weather resistant

Application: Excellent in handling petroleum based products, hydrocarbon solvents, oxidising chemicals, major strong acid and alkali as well as organic fluid etc.

Temperature Range: Continuous: -20°C to +120°C

Item code	Dash Size	ID		OD		WP		BP		V	Weight approx.
		Inch	mm	Inch	mm	Psi	Bar	Psi	Bar		
PH 645-12	-12	3/4	19.0	1.22	31.0	250	17	750	51	0.9	0.70
PH 645-16	-16	1	21.0	1.46	37.0	250	17	750	51	0.9	1.29
PH 645-20	-20	1 1/4	32.0	1.73	44.0	250	17	750	51	0.9	1.49
PH 645-24	-24	1 1/2	38.0	1.97	50.0	250	17	750	51	0.9	1.90
PH 645-32	-32	2	51.0	2.48	63.0	250	17	750	51	0.9	2.50
PH 645-40	-40	2 1/2	63.0	3.07	78.0	250	17	750	51	0.9	3.20
PH 645-48	-48	3	76.0	3.70	94.0	250	17	750	51	0.9	4.30
PH 645-64	64	4	102.0	4.65	118.0	250	17	750	51	0.9	4.80

Construction

Core: White colour, Synthetic rubber with transparent UHMPE liner

Reinforcement: High Tensile Synthetic Textile Cord with steel helix and 2 cross anti static wire

Cover: Blue colour EPDM rubber resistant to ozone, weather and abrasion

Application: Food & Potable water

Temperature Range: Continuous: -30°C to +120°C

Item code	Dash Size	ID		OD		WP		BP		V	Weight approx.
		Inch	mm	Inch	mm	Psi	Bar	Psi	Bar		
PH 645-12	-12	3/4	19.0	1.22	31.0	250	17	750	51	0.9	0.70
PH 645-16	-16	1	21.0	1.46	37.0	250	17	750	51	0.9	1.29
PH 645-20	-20	1,1/4	32.0	1.73	44.0	250	17	750	51	0.9	1.49
PH 645-24	-24	1,1/2	38.0	1.97	50.0	250	17	750	51	0.9	1.90
PH 645-32	-32	2	51.0	2.48	63.0	250	17	750	51	0.9	2.50
PH 645-40	-40	2,1/2	63.0	3.07	78.0	250	17	750	51	0.9	3.20
PH 645-48	-48	3	76.0	3.70	94.0	250	17	750	51	0.9	4.30
PH 645-64	64	4	102.0	4.65	118.0	250	17	750	51	0.9	4.80



Air / Water Hose

Application: A flexible water hose for use in industries, commerce and on construction sites.

Temperature range: -35°C / +70°C.

Safety factor: 3:1

Tube: Synthetic rubber, black, smooth,

Reinforcement: Textile spiral construction

Cover: Synthetic rubber, black, smooth, weather resistant

Internal Ø in		Wall width	External Ø	work pressure	Number of inserts	Bending Radius (min.)	Weight approx.	Coil Length
mm	Inch	in mm	in mm	Max.(bar)		(min)in mm		
6,0	1/4	3,0	12,0	10	2	60	0,13	50
8,0	5/16	3,5	15,0	10	2	80	0,19	50
10,0	3/8	3,5	17,5	10	2	100	0,22	50
13,0	1/2	3,5	20,0	10	2	130	0,24	50
16,0	5/8	3,5	23,5	10	2	160	2,28	50
19,0	3/4	3,5	26,0	10	2	190	0,33	50
25,0	1	4,0	33,0	10	2	250	0,48	50
32,0	1 ¼	5,5	43,0	10	2	320	1,09	50
38,0	1 ½	6,0	50,0	10	2	380	1,15	40
50,0	2	6,0	62,0	10	2	500	1,35	40
63,5	2 1/2	7,0	77,5	10	4	630	2,05	40
75,0	3	8,0	91,0	10	4	750	2,60	40

PVC HOSE

PVC Braided Hose

Construction

Heavy duty hose which is made of special grade oil and chemical resistant PVC, reinforced with top quality nylon(twisted) yarn which assures better working pressure and temperature.

Range: 6 mm ID to 76 mm ID

Temperature: 70°C

Applications

- ◆ Industrial Air Compressor – Air / Pneumatic Hoses
- ◆ Steel Mills / Metal Casting Units
- ◆ Cooling lines of induction Furnaces
- ◆ Dyes and Chemical Handling
- ◆ Bore Well Cleaning
- ◆ Suction and Delivery hose for Mine dewatering
- ◆ Heavy Duty Water hose for Project like Thermal Power
- ◆ Plants and other engineering sites
- ◆ Water hose for Plantations
- ◆ Marine and ship building
- ◆ Diesel and Edible oil handling
- ◆ Plastic Raw Material handling
- ◆ vacuum Lines

PVC Suction & Delivery Heavy Duty Grey

Construction

Hose made of spiral reinforcement of rigid PVC into fine grade soft PVC. A very sturdy suction & delivery hose for heavy duty applications. Quality PVC compounding and processing techniques have made the hose sturdy, flexible, Chemical and abrasion resistant.

Temperature: 70°C

Applications

Heavy duty suction & delivery of liquids, slurry, effluents and abrasive material in industries like paper mills, cement, chemical, aqua culture, sewerage disposal, coal & mineral mines, stone and lime quarries, projects, construction, petrochemicals, oil exploration, shipping etc. Ideal for handling saline (sea) water, light acids, alkalis and other chemicals except solvents. A heavy duty suction hose for sand pumps.

PVC Suction & Delivery Green

Construction

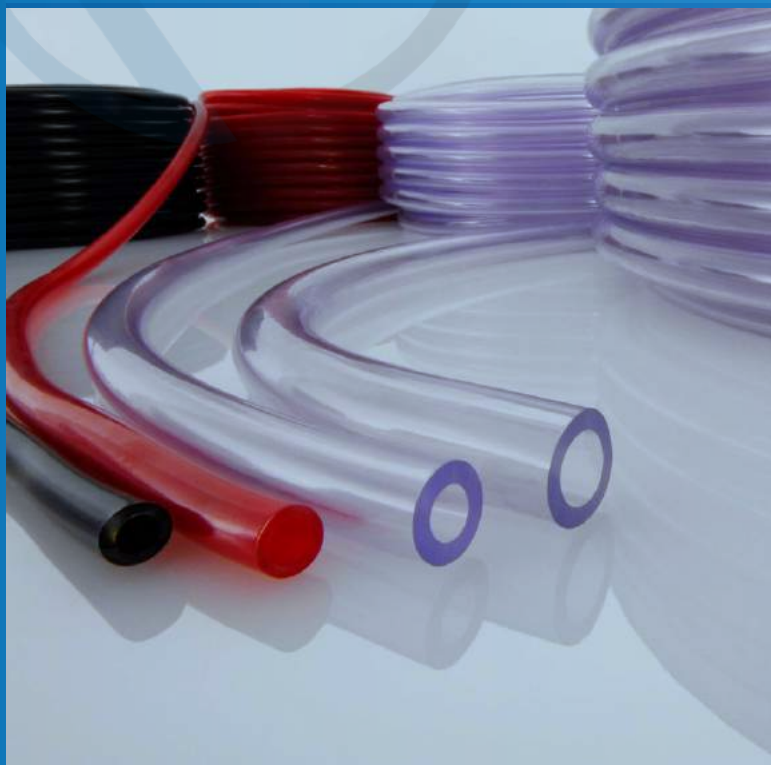
Hose made of spiral reinforcement of Rigid PVC into fine grade soft PVC. A very challenging variety of suction hoses which can live for many season without losing its flexibility, keeping superior ozone, chemical and impact resistance. Quality PVC compounding with apt plasticizers, chemical and additives with modern processing techniques have made the hose superior to other commercial brands available in the market at half of our cost. When a good quality PVC hose can work for many years, why to use cheaper version which has to be replaced every season. It is merely a waste of your valuable money in every season. PVC material is non degradable and a permanent liability and danger on our earth. Let us save our earth by not using toxic instead using "use and throw type" PVC pipes and hoses. Let us use the best PVC products which can last for many years, thereby reducing our yearly consumption of plastics, to avoid used PVC waste being dumped on mother earth.

Temperature : +60/70°C

Applications

Ideal hose for agriculture, saline (sea) water, lighth acids, alkalis and other chemicals except solents. a widely accepted hose by the industrial segments for handling all sorts of fluids in Textile , Chemical , Pharma , Food , Papermill , Sugar mill and other engineering and construction industries. Non toxic (Food Grade) Available on request for handling milk , beverages , Pharma and food material.

**PVC
HOSE**



SS Corrugated Hose

Stainless steel hose assemblies are manufactured from 321 close pitch convoluted inner, single or double 304 over braid. We also offer a comprehensive range of couplings, flanges, screwed connectors and tube ends to suit your requirements.

Key Features: Flexible, excellent temperature resistance. Braiding prevents elongation.

Temperature: -200°C to +700°C

Applications: Gas, steam, chemicals, hot water.

Length (mtrs): Made to order.

Our stainless steel hose assemblies are available with a wide range of end connections, bore sizes and lengths according to our customer requirements. Typical metallic hose application include all chemical industries, iron and steel manufacturing, oil and gas industry, paper and board manufacturing, and all process and liquid handling industries

Interlock Hose

The Interlock Hoses are the helically coiled high quality metallic strip with interlock construction. These hoses are made using copper coated steel, aluminum and stainless steel in different sizes and specifications. The hoses are sturdy in construction and can bear temperature up to 800 deg Cen. Our range includes Interlock Exhaust and Conveying Hose , Interlock Tar & Asphalt Hose (Pressure Hose) and Interlocked Metal Hose and is used in chemical plants, chemical stations as suction or pressure hose. These are also used as an outer jacket for insulated pipelines and for various articulated movements. 304 over braid. We also offer a comprehensive range of couplings, flanges, screwed connectors and tube ends to suit your requirements.

Interlock Exhaust Hose Locking Section Profile:



Description:

The Interlock Exhaust and Conveying Hose are offered by us in different sizes, weights and metals, to provide perfect option for the said application in most economical manner. The hose is interlocked in construction and possess excellent flexibility, durability and construction strength. It is supplied in fully extended form without any packaging.

End Fittings:

The hose comes fitted with special type of fittings that includes fixed flanges, nipples, pipe couplings and floating flanges. These are attached with hose by means of welding using adhesives or with the method of brazing. The fittings can also be attached with the hose using automotive muffler clamps or hose clamps.

Specifications:

The Interlock Exhaust and Conveying Hose are offered by us in different specifications. These are fabricated using different materials including stainless steel, galvanized steel, aluminum and bronze. The thickness of the hose depends upon the handling or abrasive conditions in which it is used.

Applications

These Interlock Exhaust and Conveying Hoses are applicable in

- ◆ Conveying
- ◆ Ventilating Lines
- ◆ Automotive Exhaust
- ◆ Chimney Liners.
- ◆ Engine Exhaust.
- ◆ Gas & Fume Exhaust
- ◆ Tractor & Generator Exhaust
- ◆ It is also used for protective casing as safety guards for wires, cables & tubing like rubber & stainless steel braided hoses.


Maximum service temperature:

- ◆ Stainless steel : 7500C
- ◆ Galvanized steel : 3500 C Service temperature may vary due to choice of packing.
- ◆ Material: cotton, rubber, ceramic or glass fiber yarn.

Features:

- ◆ High strength construction.
- ◆ Balance interlocked construction.
- ◆ Temperature and corrosion resistant.
- ◆ Durability.
- ◆ Flexibility.
- ◆ Can be formed and hold its shape and easily moved.
- ◆ Service life.

DN	Inside diameter	Outside diameter	Permissible Tolerance	Minimum Bending Radius
	mm	mm	mm	mm
20	20	24.0	± 0.3	100
25	25	29.5	± 0.3	110
30	30	34.5	± 0.4	120
35	35	40.0	± 0.4	140
38	38	43.0	± 0.4	160
40	40	45.0	± 0.4	170
45	45	50.0	± 0.4	180
50	50	56.0	± 0.5	200
54	54	60.0	± 0.5	220
60	60	66.5	± 0.6	230
65	65	72.0	± 0.7	245
70	70	77.0	± 0.7	260
75	75	82.0	± 0.7	275
80	80	87.0	± 0.7	290
90	90	97.0	± 0.7	345
100	100	108.0	± 0.8	380
110	110	118.0	± 0.8	410
125	125	133.0	± 0.9	470
130	130	138.0	± 0.9	490
150	150	158.0	± 0.9	545
165	165	173.0	± 0.9	565
175	175	183.0	± 0.9	580
200	200	208.0	± 1.0	675
225	225	233.0	± 1.0	765
250	250	259.0	± 1.0	885
275	275	283.0	± 1.0	975
300	300	309.0	± 1.5	1130

Interlock Hose

We specialize in all aspects of PTFE assembly and associated products, ensuring maximum focus on our customers

Our PTFE hoses and assemblies offer unique properties which include excellent chemical resistance, high temperature resistance (up to 260°C, 500°F), and a frictionless, easy clean surface. These properties determine the types of application areas in which PTFE hose can provide the best possible hose product for the job. As specialists of PTFE Hose Assemblies we are able to offer a comprehensive range of PTFE hoses comprising of a variety of both Smoothbore and Convuluted hoses with an assortment of grades, covers & end terminations.

Convuluted PTFE Hose with Stainless Steel Braid

Convuluted PTFE hose with stainless steel braid is manufactured from a convuluted PTFE inner with a soft, low tensile stainless steel wire braid.

Key Features: Excellent flexibility and kink resistance. Excellent chemical and temperature resistance. Easy to clean.

Temperature: 70°C to +260°C.

Applications: Automotive, steam transfer, refrigeration, chemical.

Length (mtrs): Made to order.

Smooth Bore PTFE Hose with Stainless Steel Braid

Smooth bore PTFE hose with stainless steel braid is manufactured from a smooth bore PTFE inner, with a single or double 304 wire braid.

Key Features: Flexible, high flow rate. Excellent chemical and temperature resistance. Easy to clean.

Temperature: 70°C to +260°C.

Applications: Steam, chemicals, paint, adhesives, fuels, oils, foodstuffs.

Length (mtrs): Made to order.

Smooth Bore Convuluted PTFE Hose with Stainless Steel Braid

Smooth bore convuluted PTFE hose with stainless steel braid is manufactured from a smooth bore convuluted PTFE inner with a 304 wire braid.

Key Features: Excellent flexibility and kink resistance, high flow rate, good chemical and temperature resistance. Easy to clean.

Temperature: 70°C to +260°C.

Applications: Automotive, refrigeration, steam, gas and chemical

Length (mtrs): Made to order.

Applications

- ❖ Food handling and production.
- ❖ Fluids associated with high temperatures
- ❖ Petrochem & specialist chemical transferee
- ❖ Hazardous chemical transfer
- ❖ Beverage service, handling and production
- ❖ Conveyance of cosmetic solutions
- ❖ Fluids associated with pharmaceutical and bio-medical transfer and production
- ❖ Production of dairy products
- ❖ Compensation of vibrations and pipe work misalignment within a production line



THERMOPLASTIC HOSE

Abiding by set industry guidelines, we are persistently indulged in manufacturing, supplying and exporting Thermoplastic Rubber Hose (TPR Hose). Made from high quality polyvinyl chloride plastic and natural rubber, our hose is designed to use in chemical, petrochemical, food & beverage and pharmaceutical industries. Further, this hose is ideally used in domestics and commercials for supplying irrigation water. Our offered Thermoplastic Rubber Hose (TPR Hose) is highly acknowledged for the below mentioned attributes:

- ◆ Excellent compression strength
- ◆ Wear & tear resistance
- ◆ Environment friendly nature
- ◆ Fine fitting

PH148 – MEDIUM PRESSURE HYDRAULIC HOSE – R7

Construction

Core : Thermoplastic Elastomer

Reinforcement : Single Braid of Synthetic Fiber

Cover : Polyurethane, Black Colour, Pin pricked

Application : Medium Pressure Hydraulic Lines 70 to 210 bar. Suitable for hydraulic application with increased resistance to abrasion for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural machinery, Earthmoving, Articulating & Telescopic booms and Material handling equipments. Can be used for industrial gases and other applications.

Temperature Range: Continuous: -40°C to +100°C

Item code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			Inch	mm	Inch	mm	Psi	Bar	Psi	Bar	Inch	mm	
PH148-02	-02	3	1/8	3.2	0.320	8.1	3,000	210	12,000	840	1.0	25	57.0
PH148-03	-03	5	3/16	4.8	0.405	10.3	3,000	210	12,000	840	1.0	25	80.0
PH148-04	-04	6	1/4	6.4	0.490	12.4	2,750	190	11,000	760	1.3	32	114.0
PH148-05	-05	8	5/16	8.0	0.560	14.2	2,500	175	10,000	700	1.8	45	142.0
PH148-06	-06	10	3/8	9.5	0.620	15.7	2,250	155	9,000	620	2.2	55	164.0
PH148-08	-08	12	1/2	12.7	0.760	19.3	2,050	140	8,200	560	3.0	77	229.0
PH148-10	-10	16	5/8	16.0	0.910	23.1	1,500	105	6,000	420	4.3	110	295.0
PH148-12	-12	20	3/4	19.0	1.040	26.4	1,300	90	5,200	360	5.5	140	356.0
PH148-16	-16	25	1	25.4	1.310	33.3	1,000	70	4,000	280	8.0	200	504.0
PH148-20	-20	32	1 1/4	31.8	1.654	42.0	1,000	70	4,000	280	12.0	300	737.0



PH149 – HIGH PRESSURE HYDRAULIC HOSE – R8

Construction

Core: Thermoplastic Elastomer

Reinforcement: One or more Braids of Aramid Fiber

Cover: Polyurethane, Black Colour, Pin pricked

Application: High Pressure Hydraulic Lines 100 to 420 bar compact, high pressure, light weight and low change in length. Suitable for hydraulic application with increased resistance to abrasion for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural machinery, Earthmoving, Safety, Rescue and Material handling equipments Can be used for industrial gases and other applications. Please consult manufacturer

Temperature Range: Continuous: -40°C to +100°C

Item code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			Inch	mm	Inch	mm	Psi	Bar	Psi	Bar	Inch	mm	g/m
PH149-02	-02	3	1/8	3.2	0.320	8.1	6,000	420	24,000	1,680	1.0	25	57.0
PH149-03	-03	5	3/16	4.8	0.405	10.3	5,000	350	20,000	1,400	1.0	25	87.0
PH149-04	-04	6	1/4	6.4	0.490	12.4	5,000	350	20,000	1,400	1.3	32	118.0
PH149-05	-05	8	5/16	8.0	0.560	14.2	4,350	300	17,400	1,200	1.8	45	147.0
PH149-06	-06	10	3/8	9.5	0.620	15.7	4,000	280	16,000	1,120	2.2	55	170.0
PH149-08	-08	12	1/2	12.7	0.760	19.3	3,500	245	14,000	980	3.0	77	219.0
PH149-10	-10	16	5/8	16.0	0.910	23.1	2,900	200	11,600	800	4.3	110	295.0
PH149-12	-12	20	3/4	19.0	1.040	26.4	2,300	165	9,200	660	5.5	140	372.0
PH149-16	-16	25	1	25.4	1.310	33.3	2,000	140	8,000	560	8.0	200	511.0
PH149-20	-20	32	1 1/4	31.8	1.654	42.0	1,500	100	6,000	400	12.0	350	750.0

HYDRAULIC FITTING

Camlock Coupling

Boxer India manufactures Camlock Coupling with wide variety of material, end connection and sizes. Camlock coupling is designed for leak proof full flow of fluids. Camlock couplings offers positive leak proof connection without use of any tools. It can handle many variety of fluids, semi solids, paste, powder for bulk material transfers. Frequent connection and disconnection of these fluid lines is done in seconds with camlock design. It minimizes material loss and down time.

Camlock works on a lever lock principal. The coupler levers are opened and the adaptor is pushed in to the coupler. The adaptor is then securely locked by closing the lever. This action simultaneously compresses the seal in the coupler and provides a leak proof joint. Disconnection is done by opening the levers and pulling the adaptor out of coupler.

Quick Release Coupling

Single Check Valve Couplings (Pneumatic Couplings)

These are used originally for connecting portable air tools and equipments to compressed air lines. However, now they are used on many other applications. These couplings are usually built to withstand operating pressure up to 300 PSI. Where non compressible fluids such as water, oil and grease are being used, this pressure may sometimes be exceeded safely. The coupler body should be installed on the upstream (Supply) end of the line to shut off the fluid supply, when coupling is disconnected. The Adaptor has no valving and upon disconnection, exhaust, upon downstream media.

Series	Valving	Sizes	Working Pressure	Usage
SC - 3	Valved Coupler Plain Adaptor	1/8" - 1/2"	300 PSI	Airline Application, Steam, Water, Pneumatic Tools etc.
SC - 4	Valved Coupler Plain Adaptor	1/2" - 1"	400 PSI	Low Pressure High Flow Coupling

Straight Through Couplings

These are designed without valves to provide the least resistance to fluid flow. Therefore, they require manual check valves in both lines if fluid loss is to be prevented when the couplings are disconnected. Straight thru couplings provide for fast simple connection to any type of system. Coupler bodies of this design are manufactured in brass, steel, stainless steel. The wide range of sizes from 1/8" to 2" allows the employment in fields ranging from instrumentation to steel mills.

Series	Valving	Sizes Min/Max	Working Pressure	Usage
ST - 10	No Valve	1/8" - 2"	1000 PSI	Transfer of Liquids, Powder, Slurry etc.

Double Check Valve Couplings (Hydraulic Couplings)

These are designed for connecting hydraulic lines. They are also extensively used where a variety of other fluids are involved. They are made to withstand pressure from 800 to 10000 PSI depending upon size and material. They contain valves in both the coupler and adaptor to prevent loss of fluid when the parts are disconnected.

- ◆ Series : DC 30
- ◆ Work Pressure : 3000 PSI

Series	Valving	Sizes Min/Max	Working Pressure	Usage
DC 30	Valved Coupler Valved Adaptor	1/8 " - 2"	3000 PSI	Medium Pressure Hydraulic Applications, Vacuum Applications.

Hose End Fittings

Mechtech manufactures a wide range of Adaptors, Flanges, and Hose End Fittings, from low to ultra high pressure range and compatible to high temperature, aggressive fluids in single/double wire braided and multi-spiral hoses. Our components conform to BCS, SAE, ISO, DIN/EN and other international standards.

All our products meet highest industrial norms and standards. Over a period of time, we have built up a lot of goodwill and reputation. Customer satisfaction is our prime motive so we always strive for timely Delivery and efficient service.

We distinguish ourselves from other End fitting manufacturers by offering products that have genuine quality, are reliable, flexible and durable, and stringently comply with high international quality parameters. Moreover, we have a state-of-the-art infrastructure and efficient team that aids us providing finest quality products and make prompt Deliveries. Hence, for those searching superior quality Adaptors and End Fittings, HPS India, Faridabad is just the right place.

We dedicate ourselves to serve the customer to their satisfaction and assure our utmost consideration at all times.

Tube Assemblies

Rigid pipe assemblies are used extensively in fluid systems to transfer oil, fuel or air in static applications.

Mechtech has the capability to produce pipe assembly bends to 1.5D up to 50mm (2 ") diameter in most carbon steel , stainless steel, aluminium and copper.

End fittings for tube assemblies are brazed or Tig welded or MIG welded or formed as per the customer requirement.

Mechtech manufactures a wide range of Tube assemblies with standard and customized end connections.

Adaptors

Hydraulic adaptors are parts used to connect hoses, pipes, and tubes in hydraulic systems. Hydraulic equipment generally operates under high pressures and is often not a fixed system. Consequently, adaptors need to be strong, versatile, and reliable to operate safely and effectively in their respective applications.

Our extensive range of adaptors includes different variations of JIC, SAE, Metric, BSP, BSPT, NPTF and NPSM made from mild steel.

We specialize in not just one type of product - we have the flexibility to produce special requirements alongside our standard product ranges. This diversity of ranges and sizes, combined with our unparalleled customer service and technical assistance, gives HPS a distinct advantage over other suppliers.

SAE Flanges

We manufacture an array of SAE flanges and Hydraulic flanges which corresponds to relevant international standards. These flanges find application in industries where flanged joints are encountered during the tasks of fabrication & maintenance. Our wide array of SAE Flanges can also be customized as per the drawings and specifications provided by the clients.

Various types of flanges manufactured

- ◆ SPLIT FLANGES
- ◆ MONOBLOCK FLANGES
- ◆ BUTT WELD FLANGES
- ◆ SOCKET WELD FLANGES
- ◆ THREADED FLANGES
- ◆ BUTT WELD FLANGE ADAPTOR
- ◆ THREADED FLANGE ADAPTORS

Tube Fittings

We are renowned for manufacturing wide range of Hydraulic Fittings as per National and International Standards (DIN 2353). These fittings are widely appreciated for their low maintenance, excellent durability, high performance, corrosion resistance, dimensional accuracy and cost effectiveness. Our diverse range includes Hydraulic Equal Elbows, Hydraulic Equal Tees, Hydraulic Swivel Couplings, Single Ferrule Hydraulic Fittings and Hydraulic BSP Swivel Tees. In addition to this, we also offer, Hydraulic BSP Swivel Elbows, Hydraulic BSP Male Tees, Hydraulic BSP Male Elbows and Hydraulic BSP/UNF Adapters

We specialize in not just one type of product - we have the flexibility to produce special requirements alongside our standard product ranges. This diversity of ranges and sizes, combined with our unparalleled customer service and technical assistance, gives HPS a distinct advantage over other suppliers.

Spiral Sleeves & Spring Gaurd

Rust resistant, zinc plated open wound spring guards prolong the life of the hose cover and reinforcement from abrasion, kinking and other damage incurred in severe working areas. Open wound spring guards are available for all types and sizes of hoses.

Widely used in excavators, loaders, road rollers, pavers, forklifts, cranes, dump trucks and other construction machinery and injection moulding machine equipment. Mainly installed in the hydraulic hose, wire and cable products external. Its function is to enhance the hydraulic hose external wear resistance in a variety of harsh environments and extend the life of hose assembly.

Standard length of spring guards are available for hoses from 3/16" to 2" size. we have the flexibility to produce special requirements alongside our standard product ranges.

Hose Clamps

Screw clamps consist of a galvanized or stainless steel band into which a screw thread pattern has been cut or pressed. One end of the band contains a captive screw. The clamp is put around the hose or tube to be connected, with the loose end being fed into a narrow space between the band and the captive screw. When the screw is turned, it acts as a worm drive pulling the threads of the band, causing the band to tighten around the hose (or when screwed the opposite direction, to loosen). Screw clamps are normally used for hoses 1/2 in diameter and up, with other clamps used for smaller hoses.

Standard hose clamps are available in sizes 1/2" to 6" hose In SS202 and SS306 material. Heavy duty clamps are also available in different sizes.

Minimesse Hose & Fittings

The need for preventative maintenance of hydraulic systems in general has added to the use of test points throughout the system. This need is answered by the installation of a range of test points, plugs and probes, which can be connected under full system pressure to 6000 psi. Where the introduction of test points is needed, and the hydraulic system uses flexible hydraulic hoses, HPS has full range of Stauff Test point fittings to suit the needs of customer.

STAUFF Test stands for a varied spectrum of screw-in test points and test couplings for tube fittings, which are oriented to international standards and therefore guaranteed to comply with the requirements of applications all over the world.

CONCLUSION

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WE MAKE HOSES

*Fast replacement of
hydraulic hose
assemblies while
you wait.*



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