



**“Our Flexibility
Is Your Strength”**



HOSEWEL INDIA



VALUE FOR QUALITY



INTRODUCTION

Hosewel india - located at Vasai, is engaged in manufacturing of Hose Assembly since the year 2014 with philosophy of continuous innovation and improvement in technology. we maintain a technological edge to achieve optimized valve design and compete customer satisfaction. These hoses are used in high-pressure hydraulic circuits in industries such as earthmoving, construction, mining, agriculture, marine, transportation and injection molding.)

VISION

We at hosewel has vision to be a single point solution for our costumers

MISSION

We Are Gradually Developing our product Range with latest technology and improving quality control system.

COMPANY PROFILE

Hosewel india was created from the sale of The Hose Division of Senior Flexonics to The Indian Industrial Aquisition Corporation in August 2004. The Indian Hose Divisions of Senior Flexonics were also sold to AIAC at the same time located in Thane,

Hosewel india manufactures a wide range of hose technologies including metallic flexible hose and braid, braided and rubber covered fluoropolymer hose and petro-chemical composite transfer hose and hose assemblies. Hosewel india has two manufacturing facilities in Mumbai - Maharashtra, Thane supplemented with sister manufacturing plants located in Thane .

With long term employees and a wide understanding of engineering and industrial applications, Hosewel india Engineering and Sales Departments provide reliability and experience for your most demanding situation. Our Product Managers, Sales Engineers, Application Engineers and Outside District Sales Managers are the resources that can provide support and understanding that only the leader in engineered hose technologies can - Hosewel india.

MANUFACTURING CAPABILITIES

Our manufacturing system has constantly adapted to the changing market demands. We have best-in-class machines to back our production unit. Our dedicated team of professionals are well versed with various aspects of production. Our skilled personnel work with professionalism to ensure customer satisfaction.

CUSTOMER FOCUS

Hosewel india has always focused on the customer by offering the best quality and cost effective products in the field of high pressure hydraulic range. Feedback from customers has enabled us to remain innovative in the field of high pressure hydraulic range.

QUALITY POLICY

Hosewel india is committed to manufacturing and supplying high hydraulic range in compliance with International Standards. All our products undergo rigorous inspection processes before they are released for distribution. Our team of experts maintain a vigil on the entire range of products. We review and continually improve the effectiveness of our quality management system by involving all personnel as well as our suppliers. This Quality Policy is periodically reviewed to ensure best quality to our customers.

INFRASTRUCTURE

Hosewel india - located in Vasai has expanded manufacturing unit in Golani Naka. We have latest machinery and manufacturing facilities are at par with global manufacturing standards and are well equipped with state-of-the-art equipment, machinery and testing facilities.

SAE 100 R1AT (1SN)

Construction :
Tube : seamless synthetic rubber
Reinforcement : 1 high tensile steel wire braid
Cover : synthetic rubber weather, oil and abrasion resistant

Temperature Range:
 from -40°C to +125°C

Lengths upto random:
 1 1/4" to 2", max. length available 61mtrs.



EM 8453 1SN (Upto 2")
 Single wire braid thin cover

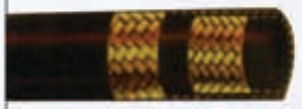
Dash Size	Dash Size		Over Cover Diameter		Max. working Pressure		Min. burst Pressure		Min. Bend Radius		Avg. Weight
	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/100mt
-3	3/16	4.8	0.472	12.0	3630	250	12000	827	3.5	89	18
-4	1/4	6.4	0.557	14.1	3270	225	11000	759	4.0	102	21
-5	5/16	7.9	0.619	15.7	3120	215	10000	690	4.5	114	25
-6	3/8	9.5	0.713	18.1	2610	180	9000	621	5.0	127	34
-8	1/2	12.7	0.846	21.5	2320	160	8000	552	7.0	178	45
-10	5/8	15.9	0.971	24.7	1890	130	6000	414	8.0	203	51
-12	3/4	19.0	1.127	28.6	1530	105	5000	345	9.5	241	64
-16	1	25.4	1.440	36.6	1280	88	4000	276	12.0	305	97
-20	1 1/4	31.8	1.766	44.8	920	63	2500	172	16.5	419	106
-24	1 1/2	38.1	2.047	52.0	730	50	2000	138	20.0	508	133
-32	2	50.8	2.594	65.9	580	40	1500	103	25.0	635	183

ASE 100 R2AT (2SN)

Construction :
Tube : seamless synthetic rubber
Reinforcement : 1 high tensile steel wire braid
Cover : synthetic rubber weather, oil and abrasion resistant

Temperature Range:
 from -40°C to +125°C

Lengths upto random:
 1 1/4" to 2", max. length available 61mtrs.



EM 853 2SN SAE 100 R2AT
 Double wire braid thin cover

Dash Size	Dash Size		Over Cover Diameter		Max. working Pressure		Min. burst Pressure		Min. Bend Radius		Avg. Weight
	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/100mt
-3	3/16	4.8	0.557	14.1	6000	415	20000	1379	3.5	89	35
-4	1/4	6.4	0.619	15.7	5800	400	20000	1379	4.0	102	37
-5	5/16	7.9	0.682	17.3	5000	350	17000	1172	4.5	114	45
-6	3/8	9.5	0.777	19.7	4800	330	16000	1103	5.0	127	57
-8	1/2	12.7	0.908	23.1	4000	280	14000	966	7.0	178	65
-10	5/8	15.9	1.034	26.3	3630	215	11000	759	8.0	203	79
-12	3/4	19.0	1.190	30.2	3120	250	9000	621	9.5	241	95
-16	1	25.4	1.531	38.9	2400	165	8000	552	12.0	305	150
-20	1 1/4	31.8	1.953	49.6	1820	125	6500	449	16.5	419	190
-24	1 1/2	38.1	2.203	56.0	1310	90	5000	345	20.0	508	230
-32	2	50.8	2.703	68.6	1160	80	4500	310	25.0	635	375

SERIES 300 MEDIUM PRESSUE SAE 100 R3



Inner Tube : Synthetic rubber. **Cover :** Synthetic rubber.
Reinforcement : Two braid steel wire. **Temperature Range:** (-40°C to +100°C)

Dash	Dn	Inside Diameter		Mean Outer Cover Diameter		Maximum Working Pressure		Minimum Burst Maximum		Minimum Bend Radius	
		inch	mm	inch	mm	Psi	bar	psi	bar	psi	bar
-4	6	1/4	6.4	0.563	14.3	1250	86	5000	345	3.0	76
-5	8	5/16	7.9	0.689	17.5	1200	83	4800	331	4.0	102
-6	10	3/8	9.5	0.748	19.0	1125	78	4500	310	4.0	102
-8	12	½	12.7	0.937	23.8	1000	69	4000	276	5.0	127
-10	16	5/8	15.9	1.063	27.0	875	60	3500	241	5.0	127
-12	20	3/4	19.0	1.252	31.8	750	52	3000	207	6.0	152
-16	25	1	25.4	1.500	38.1	565	39	2250	155	8.0	203
-20	32	1 1/4	31.4	1.752	44.5	375	26	1500	103	10.0	254
-24	40	1 1/4	38.1	2.000	50.8	250	17	1000	69	12.0	306
-32	50	2	50.8	2.520	64.0	215	15	860	60	16.1	410



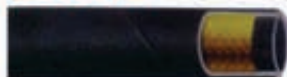
SERIES 300 MEDIUM PRESSUE SAE 100 R4 (Section and Return Line)



Inner Tube : Synthetic rubber. **Cover :** Synthetic rubber.
Reinforcement : Two braid steel wire. **Temperature Range :** (-40°C to +100°C)

Dash	Dn	Inside Diameter		Mean Outer Cover Diameter		Maximum Working Pressure		Minimum Burst Maximum		Minimum Bend Radius	
		Inch	mm	Inch	mm	Psi	bar	psi	bar	psi	bar
-12	20	3/4	19.0	-	34.9	300	21	1200	82.8	5.0	127
-16	25	1	25.4	-	41.3	250	17	1000	68.8	6.0	152
-20	32	1 1/4	31.8	-	50.8	200	14	800	55.2	8.0	203
-24	40	1 1/2	38.1	-	57.2	150	10	600	41.2	10.0	254
-32	50	2	50.8	-	69.9	100	0.7	400	27.6	12.0	305
-40	64	2 1/2	63.5	-	82.0	62	0.4	250	17.2	14.0	356
-48	76	3	76.2	-	95.0	55	0.3	225	15.5	18.0	457

EN 854 R6 Hydraulaic



Inner Tube : Synthetic rubber. **Cover :** Synthetic rubber.
Reinforcement : Two braid steel wire. **Temperature Range :** (-40°C to +100°C)

Dash Number	Dash I.D.		Hose R.O.D.	Hose O.D.	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			mm	mm	psi	Mpa	Inch	mm
-4	1/4	6.4	-	12.7	400	2.8	2.5	64	0.08	0.13
-5	5/16	7.9	-	14.3	400	2.8	3.0	76	0.09	0.15
-6	3/8	9.5	-	15.9	400	2.8	3.0	76	0.10	0.16
-8	1/2	12.7	-	19.8	400	2.8	4.0	102	0.15	0.24
-10	5/8	15.9	-	23.0	350	2.4	5.0	127	0.19	0.30
-12	3/4	19.0	-	26.0	300	2.1	6.0	152	0.23	0.35
-16	1	25.4	-	32.5	190	1.3	9.1	230	0.29	0.44

DIN 20023-4SP	Construction :							Temperature Range:				Lengths Random:		
	Tube : seamless synthetic rubber							from -40°C to +125°C						
	Reinforcement : 1 high tensile steel wire braid													
Cover : synthetic rubber weather, oil and abrasion resistant														
Dash Size	Inside Diameter		Mean Dia. Over Wire		Over Cover Diameter		Max. working Pressure		Min. burst Pressure		Min. Bend Radius		Avg. Weight	
	Inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/100mt	
10	3/8	9.5	0.689	17.5	0.843	21.4	6450	445	25800	1.780	7.00	178	78	
12	1/2	12.7	0.819	20.8	0.969	24.6	6000	415	24000	1.660	9.00	230	93	
16	5/8	15.9	0.949	24.1	1.122	28.5	5250	360	21000	1.440	10.00	250	113	
20	3/4	19.0	1.106	28.1	1.260	32.0	5100	350	20400	1.400	12.00	300	153	
25	1	25.4	1.394	35.4	1.563	39.7	4200	290	16800	1.160	13.00	340	206	
32	1 1/4	31.8	1.811	46.0	2.000	50.8	3050	210	12200	840	18.00	457	329	
40	1 1/2	38.1	2.063	52.4	2.252	57.2	2680	185	10730	740	22.00	559	378	
50	2	50.8	2.571	65.3	2.780	70.6	2500	172	10000	689	26.00	660	547	



Application : Very high pressure hydraulic lines, fuel, oil, antifreeze, solutions, air and water

Safety Factor : 4:1

DIN 20023-4SH



Construction : Tube : seamless synthetic rubber Reinforcement : 1 high tensile steel wire braid Cover : synthetic rubber weather, oil and abrasion resistant							Temperature Range: from -40°C to +125°C				Lengths Random:			
Dash Size	Inside Diameter		Mean Dia. Over Wire		Over Cover Diameter		Max. working Pressure		Min. burst Pressure		Min. Bend Radius		Avg. Weight	
	Inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/100mt	
20	3/4	19.0	1.118	28.4	1.268	32.2	6090	420	24360	1.680	11.02	280	170	
25	1	25.4	1.386	35.2	1.524	39.0	5510	380	22040	1.520	13.40	340	214	
32	1 1/4	31.8	1.650	41.9	1.791	45.5	4710	325	18850	1.300	18.11	460	251	
40	1 1/2	38.1	1.921	48.8	2.106	53.5	4200	290	16820	1.160	22.05	560	342	
50	2	50.8	2.488	63.2	2.681	68.1	3630	250	14500	1.000	1.000	700	473	

Application : Very high pressure hydraulic lines, fuel, oil, antifreeze, solutions, air and water
Safety Factor : 4:1

721/ EN 856 R12 Hydraulic



Application : Petroleum base hydraulic fluids, and lubricating oils.
Inner Tube : Synthetic rubber.
Reinforcement : Four spiral steel wire.

Cover : Synthetic Rubber
Temp. Range : -40°F to +257°F (-40°C to +125°C)
Impulse Cycles :
Specified - 5,00,000 cycles.
Tested upto - 10,00,000 cycles.

Dash Number	Hose I.D		Hose R.O.D	Hose O.D	Working Pressure		Minimum Bend Radius		Weight	
	inch	mm			mm	mm	psi	Mpa	inch	mm
-6	3/8	9.5	17.2	20.0	4000	28.0	2.5	62	0.40	0.60
-8	1/2	12.7	20.7	24.0	4000	28.0	3.5	90	0.62	0.93
-10	5/8	15.9	24.6	27.2	4000	28.0	4.0	100	0.74	1.10
-12	3/4	19.0	27.7	31.0	4000	28.0	4.7	120	0.94	1.40
-16	1	25.4	34.9	38.0	4000	28.0	6.0	150	1.34	1.99
-20	1-1/4	31.8	43.9	46.8	3000	21.0	8.2	210	1.74	2.59
-24	1-1/2	38.1	50.4	53.3	2500	17.5	10.0	250	2.01	2.99
-32	2	50.8	63.6	66.6	2500	17.5	12.5	320	2.75	4.09

SAE 100 R 13



Construction :
Tube : seamless synthetic rubber
Reinforcement : 1 high tensile steel wire braid
Cover : synthetic rubber weather, oil and abrasion resistant

Temperature Range:
from -40°C to +125°C

Lengths Random:

Dash Number	Hose I.D		Hose R.O.D	Hose O.D	Working Pressure		Minimum Bend Radius		Weight	
	inch	mm			mm	mm	psi	Mpa	inch	mm
-12	3/4	19.0	29.0	31.9	5000	35.0	9.5	240	0.99	1.51
-16	1	25.0	35.6	38.5	5000	35.0	12.0	300	1.33	2.02
-20	1-1/4	31.5	46.8	49.6	5000	35.0	16.5	420	2.51	3.81
-24	1-1/2	38.0	54.3	57.1	5000	35.0	20.0	500	3.16	4.8
-32	2	51.0	68.1	70.9	5000	35.0	25.0	630	4.51	6.64

Application : Very high pressure hydraulic lines, fuel, oil, antifreeze, solutions, air and water
Safety Factor : 4:1


**SUPERJACK
HYDRAULIC**
Inner Tube : Synthetic rubber.


Reinforcement : Two braid steel wire.

Cover : Synthetic rubber.

Temperature Range: (-40°C to +100°C)

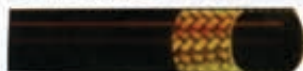
Dash Number	Dash I.D.		Hose R.O.D. mm	Hose O.D. mm	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			psi	Mpa	Inch	mm	lbs/ft	kg/m
-4	1/4	6.4	12.7	14.8	10000	69.0	4.0	102	0.25	0.38
-6	3/8	9.5	16.7	18.8	10000	69.0	5.0	127	0.33	0.51

HIGH TEMPERATURE (TAFLON) HOSES

AITP - Teflon (PTFF)	HIGH SIZE				Working Pressure LBS/Psi	Testing Pressure LBS/Psi	Min Bend Radius IN
	I.D		O.D				
	IN	MM	IN	MM	IN	MM	IN
 <p>Application: Dilute or concentrated acids, solvents, caustics, hot-lacquers, oxidising agents, fuels, oils steam, gases, drugs, foods. Unaffected by Most chemicals except molten alkali Metals.</p> <p>Construction: Inner teflon (PTFE) tube with one braid of high tensile stainless steel (SS 304) wire. Also available in two or three braid for higher pressure application.</p> <p>Temperature Range: -73°C to +260°C</p>	3/16	4.8	5/16	7.9	2500	5000	1
	1/4	6.4	3/8	9.5	2300	4600	3
	5/16	7.9	15/32	11.9	2000	4000	4
	3/8	9.5	19/32	15.0	1400	2800	5.1
	1/2	12.7	21/32	16.6	1300	2600	6.5
	5/8	15.9	3/4	19.0	1200	2400	7.8
	3/8	19.0	31/32	24.6	1000	2000	10.8
	1	25.4	1.1/4	31.8	700	1400	15.5

LPG HOSE™

BS 4089:1989 TYPE 1


Inner Tube : Synthetic rubber.

Reinforcement : One high tensile steel wire braid.

Cover : Synthetic rubber.

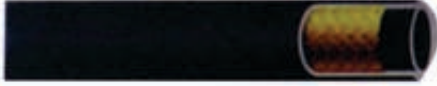
Temperature Range: (-20°C to +45°C)

Dash Number	Dash I.D.		Hose R.O.D. mm	Hose O.D. mm	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			psi	Mpa	Inch	mm	lbs/ft	kg/m
-6	3/8	9.5	-	19.6	362	2.5	4.7	120	-	-
-8	1/2	12.7	-	22.8	362	2.5	5.9	150	-	-
-10	5/8	15.9	-	26.0	362	2.5	7.0	185	-	-
-12	3/4	19.0	-	30.1	362	2.5	8.8	225	-	-
-16	1	25.4	-	37.9	362	2.5	11.8	200	-	-
-20	1-1/4	31.8	-	46.0	362	2.5	14.9	380	-	-
-24	1-1/2	38.1	-	52.4	362	2.5	17.7	450	-	-
-32	2	50.8	-	66.7	362	2.5	23.6	600	-	-

Application: Transfer of LPG in liquid or vapour form which is unvented between operations (permanently filled with liquid or vapour) including automotive.

AIRMASTER

EXCEEDS IS 446 : 1980 TYPE 3



Application : High Pressure rock drill and pneumatic service in drilling. Quarries, construction and general Industry.

Temp. Range :
-31°F to +212°F (-35°C to +100°C)

Inner Tube : Heat and oil mist resistant rubber.

Reinforcement : One high tensile steel wire braid.

Cover : Synthetic Rubber

Dash Number	Hose I.D.		Hose R.O.D.	Hose O.D.	Working Pressure		Minimum Bend Radius		Weight	
	inch	mm			mm	mm	psi	Mpa	inch	mm
-12	3/4	19.0	25.4	27.7	500	3.5	9.4	241	0.48	0.73
-16	1	25.4	31.6	35.6	500	3.5	12.0	305	0.68	1.03
-20	1-1/4	31.8	40.0	43.0	500	3.5	16.0	419	0.83	1.26
-24	1-1/2	38.1	46.4	50.4	500	3.5	20.0	508	1.13	1.71
-32	2	50.8	59.5	63.5	500	3.5	25.0	635	1.55	2.35

SPIRABLAST 25K™ Waterblast



Application : Ultra High pressure water blast applications only (not recommended for hydraulic application)

Inner Tube : Water & Oil Resistant synthetic rubber.

Reinforcement : Four high tensile steel wire spirals.

Cover: synthetic rubber abrasion, ozone and weather resistant

Temperature Range: 0°C to +80°C continuous.

Dash Number	Dash I.D.		Hose R.O.D.	Hose O.D.	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			mm	mm	psi	Mpa	Inch	mm
-6	3/8	9.5	17.5	21.60	10000	69,0	-	180	-	-
-8	1/2	12.7	20.2	24.80	10000	69,0	-	220	-	-
-12	3/4	19.0	28.4	32.40	10000	69,0	-	250	-	-
-16	1	25.4	35.2	38.70	10000	69,0	-	340	-	-

SPIRABLAST 30K™ Waterblast



Application : Ultra High pressure water blast applications only (not recommended for hydraulic application)

Inner Tube : Water & Oil Resistant synthetic rubber.

Reinforcement : Four high tensile steel wire spirals.

Cover: synthetic rubber abrasion, ozone and weather resistant

Temperature Range: 0°C to +80°C continuous.

Dash Number	Dash I.D.		Hose R.O.D.	Hose O.D.	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			mm	mm	psi	Mpa	Inch	mm
-6	3/8	9.5	17.5	21.60	12000	83,0	-	180	-	-
-8	1/2	12.7	22.6	25.90	12000	83,0	-	200	-	-
-12	3/4	19.0	29.0	32.40	12000	83,0	-	250	-	-

SPIRABLAST 36K™
 Waterblast


Application : Ultra High pressure water blast applications only (not recommended for hydraulic application)
Inner Tube : Water & Oil Resistant synthetic rubber.

Reinforcement : Four high tensile steel wire spirals.
Cover: synthetic rubber abrasion, ozone and weather resistant
Temperature Range: 0°C to +80°C continuous.

Dash Number	Dash I.D.		Hose R.O.D. mm	Hose O.D. mm	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			psi	Mpa	Inch	mm	lbs/ft	kg/m
-6	3/8	9.5	19.0	22.80	14500	100,0	-	180	-	-
-8	1/2	12.7	23.1	27.40	14500	100,0	-	200	-	-

THERMIC STEAM

IS 10655:1999 TYPE 3/ BS 5342



Application: Steam at high temperature
Construction Tube: Steam and Heat Resistant EPDM rubber

Reinforcement: One high tensile steel wire braid
Temperature Range: Upto 205°C

Dash Number	Dash I.D.		Hose R.O.D. mm	Hose O.D. mm	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			psi	Mpa	Inch	mm	lbs/ft	kg/m
-8	1/2	12.7	-	26.7	232	1.6	7.0	178	0.55	0.84
-10	5/8	15.9	-	29.9	232	1.6	8.0	200	0.59	0.90
-12	3/4	19.0	-	33.4	232	1.6	9.5	240	0.66	1.00
-16	1	25.4	-	40.0	232	1.6	12.0	300	0.73	1.11
-20	1-1/4	31.8	-	50.0	232	1.6	16.5	400	1.18	1.80
-24	1-1/2	38.1	-	56.7	232	1.6	20.0	500	1.51	2.30
-32	2	50.8	-	70.0	232	1.6	25.0	635	1.87	2.84

Application : Very high pressure hydraulic lines, fuel, oil, antifreeze, solutiona, air and water
 Safety Factor : 4:1

SPIRAFLEX

HYDRAULIC SAE 100 R15



Inner Tube : Oil resistant Synthetic rubber.
Reinforcement : Four or Six high tensile steel wire spiral.

Cover : Synthetic rubber.
Temperature Range: (-40°C to +100°C) continuous +121°C Intermittent.

Dash Number	Dash I.D.		Hose R.O.D. mm	Hose O.D. mm	Working Pressure		Minimum Bend Radius		Weight	
	Inch	mm			psi	Mpa	Inch	mm	lbs/ft	kg/m
-12	3/4	19.0	28.4	32.0	6000	41.4	10.5	267	1.03	1.57
-16	1	25.4	35.2	38.5	6000	41.4	13.0	330	1.40	2.13
-20	1-1/4	31.8	46.8	49.6	6000	41.4	17.5	445	2.52	3.82
-24	1-1/2	38.1	54.3	57.1	6000	41.4	21.0	533	3.32	5.04

Application : Very high pressure hydraulic lines, fuel, oil, antifreeze, solutiona, air and water
 Safety Factor : 4:1

// Our Products use in this field //

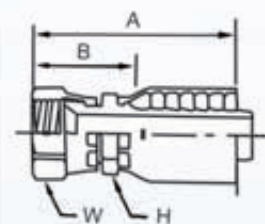


1C943

 Female Metric S - Swivel -(24° Cone with O-Ring) **Technical Specification**

ISO 12151-2 SWS

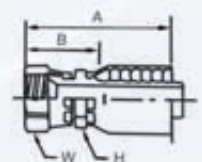
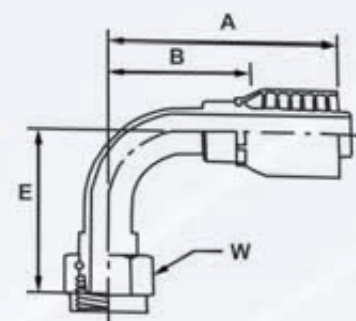
Part Number	Thread		Hose I.D. inch	A		C		W	B	
				inch	mm	inch	mm		inch	mm
1C943-6-4	6	M14*1,5	1/4	1.89	48	0.01	0	17	1.02	25
1C943-8-4	8	M16*1,5	1/4	1.64	42	0.01	0	19	0.18	30
1C943-10-4	10	M18*1,5	1/4	1.64	42	0.01	0	22	0.18	30
1C943-10-5	10	M18*1,5	5/16	1.81	46	0.01	0	22	0.87	22
1C943-10-6	10	M18*1,5	3/8	1.97	50	0.01	0	22	0.83	21
1C943-12-5	12	M20*1,5	5/16	1.80	46	0.03	1	24	0.99	25
1C943-12-5	12	M20*1,5	5/16	1.89	48	0.03	1	24	0.94	24
1C943-12-6	12	M20*1,5	3/8	1.99	51	0.03	1	24	1.04	26
1C943-14-6	14	M22*1,5	3/8	2.05	52	0.03	1	27	1.17	30
1C943-16-8	16	M24*1,5	1/2	2.33	59	0.09	2	30	1.15	29
1C943-20-10	20	M30*2	5/8	2.59	66	0.05	1	36	1.22	31
1C943-20-12	20	M30*2	3/4	2.59	66	0.05	1	36	1.22	31
1C943-25-12	25	M36*2	3/4	2.67	68	0.10	3	46	1.24	31
1C943-25-16	25	M36*2	1	3.05	77	0.08	2	46	1.43	36
1C943-30-16	30	M42*2	1	3.19	81	0.19	5	50	1.60	41
1C943-38-20^^	38	M52*2	1-1/4	3.35	85	0.23	6	50	1.70	39


1B243

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

ISO 228 - 1

Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm		inch	mm
1B243-2-4	1/8*28	1/4	1.97	50	1.10	28	14	1.02	26
1B243-4-4	1/4*19	1/4	1.83	46	1.12	28	19	1.08	27
1B243-6-6	3/8*19	3/8	2.32	59	1.46	37	22	1.32	34
1B243-8-6	1/2*14	3/8	2.60	66	1.38	35	27	1.46	37
1B243-8-8	1/2*14	1/2	2.95	75	1.57	40	27	1.57	40
1B243-10-8	5/8*14	1/2	2.91	74	1.57	40	30	1.54	39
1B243-10-10	5/8*14	5/8	3.13	80	1.57	40	30	1.72	44
1B243-12-10	3/4*14	5/8	3.62	92	2.32	59	32	2.05	52
1B243-12-12	3/4*14	3/4	3.58	91	2.32	59	32	2.00	51
1B243-16-16	1*11	1	4.33	110	2.48	63	41	2.56	65
1B243-20-20	1-1/4*11	1-1/4	4.72	120	2.99	76	50	2.87	73


1JC43

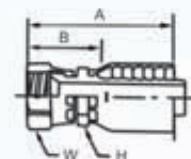
Female Seal-L0k 37° - Swivel - Short

Part Number	Thread		Hose I.D. inch	A		C		H	W	B		Additional Material Stainless Steel C
				inch	mm	inch	mm			inch	mm	
1JC43-4-4	1/4	9/16*18	1/4	1.63	41	0.32	8	9/16	11/16	0.88	22	-
1JC43-6-6	3/8	11/16*16	3/8	1.94	49	0.32	8	11/16	13/16	0.91	23	-
1JC43-8-6	1/2	13/16*16	3/8	2.00	51	0.43	11	13/16	15/16	0.97	25	-
1JC43-8-8	1/2	13/16*16	1/2	2.22	56	0.43	11	13/16	15/16	0.96	24	-
1JC43-10-8	5/8	1*14	1/2	2.30	58	0.53	13	15/16	1-1/8	1.04	26	-
1JC43-10-10	5/8	1*14	5/8	2.49	63	0.53	13	15/16	1-1/8	1.05	27	-
1JC43-12-8	3/4	1-3/16*12	1/2	2.48	63	0.57	14	1-1/8	1-3/8	1.22	31	-
1JC43-12-10	3/4	1-3/16*12	5/8	2.67	68	0.57	14	1-1/8	1-3/8	1.23	31	-
1JC43-12-12	3/4	1-3/16*12	3/4	2.68	68	0.57	14	1-1/8	1-3/8	1.24	31	-
1JC43-16-16	1	1-7/16*12	1	3.14	80	0.58	15	1-3/8	1-5/8	1.52	39	-
1JC43-20-20	1-1/4	1-11/16*12	1-1/4	3.27	83	0.59	15	1-7/8	1-7/8	1.58	40	-

10643

Female JIC 37° - Swivel

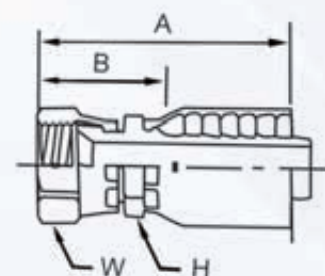
Part Number	Thread		Hose I.D inch	A		H inch	W inch	B		Additional Material Stainless Steel C
	inch			inch	mm			inch	mm	
10643-4-4	1/4	7/16*20	1.94	1/4	49	9/16	9/16	1.19	30	-
10643-5-5	5/16	1/2*20	2.08	5/16	53	11/16	5/8	1.33	34	-
10643-6-6	3/8	9/16*18	2.29	3/8	58	11/16	11/16	1.26	32	-
10643-8-8	1/2	3/4*16	2.63	1/2	67	13/16	7/8	1.37	35	-
10643-10-10	5/8	7/8*14	2.93	5/8	74	15/16	1	1.49	38	-
10643-12-12	3/4	1-1/16*12	3.17	3/4	81	1-1/16	1-1/4	1.73	44	-
10643-16-16	1	1-5/16*12	3.62	1	92	1-3/8	1-1/2	2.00	51	-
10643-20-20	1-1/4	1-5/8*12	3.94	1-1/4	100	1-7/8	2	2.25	57	-
10643-24-24	1-1/2	1-7/8*12	3.84	1-1/2	98	2-1/8	2-1/4	2.47	63	-
10643-32-32	2	2-1/2*12	4.73	2	120	2-1/2	2-7/8	2.95	75	-


1CA43

Female Metric L - Swivel -(24° Cone with O-Ring)

ISO 12151-2 SWS

Part Number	Thread		Hose I.D inch	A		C inch	W mm	B	
	mm			inch	mm			inch	mm
1CA43-6-4	6	M12*1,5	1/4	1.81	46	-0.02	14	1.06	27
1CA43-8-4	8	M14*1,5	1/4	1.68	43	-0.02	17	0.88	22
1CA43-8-5	8	M14*1,5	5/16	2.01	51	0.01	17	1.02	26
1CA43-10-4	10	M16*1,5	1/4	1.81	46	0.04	19	0.87	22
1CA43-10-5	10	M16*1,5	5/16	1.73	44	0.04	19	0.82	21
1CA43-12-5	12	M18*1,5	5/16	1.81	46	0.04	22	0.91	23
1CA43-12-6	12	M18*1,5	3/8	2.17	55	0.03	22	1.02	26
1CA43-15-8	15	M22*1,5	1/2	2.52	64	0.07	27	1.14	29
1CA43-18-10	18	M26*1,5	5/8	3.02	77	0.02	32	1.61	41
1CA43-18-12	18	M26*1,5	3/4	2.56	65	0.02	32	1.11	28
1CA43-22-12	22	M30*2	3/4	2.83	72	0.13	36	1.30	33
1CA43-28-16	28	M36*2	1	3.35	85	0.14	46	1.57	40
1CA43-35-20	35	M45*2	1-1/4	3.28	83	0.00	50	1.55	39


ALSO AVAILABLE HOSES




Inner Skive Fitting



R1 / R2 FITTINGS



SS FITTINGS



FORGED ADAPTERS & FITTINGS



FORGED ELBOW & ADAPTERS FITTINGS



ONE PIECE 90 BEND FITTINGS



WATER JETTING / LANCE HOSES



SS CORRUGATED / TEFLON HOSE & BELLOWS



MINIMESS / TEST HOSES & COUPLINGS



INDUSTRIAL HOSES & COUPLINGS



SAE & SPLIT FLANGES



FIRE & RADIANT HEAT RESISTANT SLEEVE

FORWARD

An Effort has been made to compile the entire range of hose and hose assemblies, along with other allied items that we can effectively manufacture and offer at competitive terms. We have adequate infrastructure to even cater to specific needs which may have not been covered in this catalogue.

Products can be developed by us as per your drawings or samples / items currently used by you.

Do call on us with your specific requirements or drop a letter or telephone. Our representative shall visit you to ascertain your needs.

HOW TO ORDER

For best performance, a Hose should be selected to meet the service conditions under which it is to be used. Before deciding on the size, type & quality of Hose, complete information of the actual service requirements should be examined, as follows

1. Inner Diameter of Hose
2. Working Pressure of Hose
3. Temperature of Hose
4. Length
5. End connection of both sides of Hose.
6. Type of Hose presently in use.
7. Quantity required.

WARRANTY

Each Hose Assembly is tested of required test pressure ratings. Besides the Raw Material for end connections are procured from select and reliable sources only. Samples are also sent for chemical analysis in certain applications of major and critical areas to ensure quality of raw Material.

We GUARANTEE FREE REPLACEMENT in case of any Manufacturing defect is observed at any stage of storage or application.

Material Test report from the government approved test laboratories can be had if required.


In addition, we have our own test certificate for Hydrotest of each assembly. These will be furnished if called for.


Hose Installation Tips


<p>1. Hose is weakened when installed in twisted position. Pressure in twisted hose tends to loosen fitting connections. Designs so that machine motion produces bending rather than twisting.</p>	<p>2. Ample bend radius should be provided to avoid collapsing of line and restriction of flow.</p>
<p>4. Exceeding minimum bend radius will greatly reduce hose assembly life.</p>	<p>4. Use elbows or other adaptors as necessary to eliminate excess hose length and to insure neater installation for easier maintenance.</p>
<p>5. When hose assembly is installed in a flexing application remember that metal hose fittings are not part of the flexible portion. Allow ample free length for flexing.</p>	<p>6. When properly routing use clamps to secure the hose in its proper position.</p>


43, Series Fittings use with 421SN 301SN Hoses


JIC 37°


10643 B-2

 Female - Swivel

13743 B-2

 Female - Swivel
 45° Elbow - Short

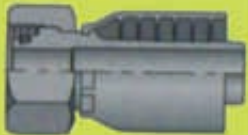
1L743 B-2

 Female - Swivel
 45° Elbow - Medium


13943 B-3

 Female - Swivel
 90° Elbow - Short


1L943 B-3

 Female - Swivel
 90° Elbow - Medium

14143 B-3

 Female - Swivel
 90° Elbow - Long


DIN "L" Series w/O- Ring


1CA43 B-4

 Female - Swivel


1CE43 B-4

 Female - Swivel
 45° Elbow

1CF43

 Female - Swivel
 90° Elbow


DIN "S" Series w/O- Ring


1C943 B-5

 Female - Swivel

10C43 B-5

 Female - Swivel
 45° Elbow


11C43 B-5

 Female - Swivel
 90° Elbow

BSP

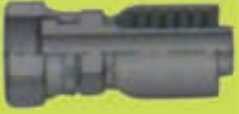
1B243 B-6

 Female - Swivel
 90° Elbow

1GU43 B-6

 Female - Swivel

Code 61 Flange

11543 B-6

 Flange Head

Seal-Lok (O-Ring Face Seal)


1JC43 B-7

 Female - Swivel
 Short

1JS43 B-7

 Female - Swivel
 Long

1J743 B-7

 Female - Swivel
 45° Elbow

1J943 B-8

 Female - Swivel
 90° Elbow - Short

Innovative Solutions in Hydraulic Systems

END FITTING FOR HOSES

HOSE I/D	FEMALE		MALE		JIC	NPT	STAND PIPE (BE NIPPLE)		FLANGES	
	BSP		METRIC		SAE	NPT	"A"	"B"	3000 PSI	6000 PSI
1/4"	1/4" 1/8"		M - 14 X 1.5 M - 12 X 1.5		1/2" - 20UNF 7/16" - 20UNF	1/4" 1/8"	8x22mm	10x24mm	-	-
5/16"	3/8"		M - 16 X 1.5 M - 20 X 1.5		5/8" - 18UNF 9/16" - 18UNF	3/8"	10x24mm	12x25mm	-	-
3/8"	1/2" 3/8"		M - 18 X 1.5 M - 22 X 1.5		3/4" - 16UNF 9/16" - 16UNF	3/8" 1/2"	12x25mm	14x27mm	-	-
1/2"	5/8" 1/2"		M - 22 X 1.5 M - 24 X 1.5		7/8" - 14UNF 3/4" - 16UNF	1/2"	15x25mm	16x30mm	30.2mm	31.7mm
5/8"	3/4" 5/8"		M - 26 X 1.5 M - 30 X 1.5		1 1/16" - 12UN 7/8" - 14UNF	3/4"	18x25mm	20x32mm	-	-
3/4"	1" 3/4"		M - 30 X 1.5 M - 36 X 1.5		1 5/16" - 12UN 1 1/16" - 12UN	3/4" 1"	22x25mm	25x34mm	38.1mm	41.3mm
1"	1 1/4" 1"		M - 38 X 1.5 M - 42 X 2.0		1 5/8" - 12UN 1 5/16" - 12UN	1" 1 1/4"	28x25mm	30x36mm	44.5mm	47.6mm
1 1/4"	1 1/2" 1 1/4"		M - 45 X 1.5 M - 52 X 2.0		1 7/8" - 12UN 1 5/8" - 12UN	1 1/4" 1 1/2"	35x30mm	38x38mm	50.8mm	54.0mm
1 1/2"	2" 1 1/2"		M - 52 X 1.5 M - 52 X 2.0		2 1/4" - 12UN 1 7/8" - 12UN	1 1/2" 2"	42x36mm	50x70mm	60.3mm	63.5mm
2"	2 1/2" 2"		M - 65 X 2.0		2 1/2" - 12UN	2" 2 1/2"	52x50mm	52x50mm	71.4mm	79.4mm

HOSEWEL MERIT

- * High Pressure Hydraulic Hose Assemblies
- * Hydraulic Fittings
- * Inner Skive Hose Assemblies for Spiral Hoses
- * one piece elbow hose fittings

- * Teflon Hose Assemblies
- * Pneumatic & Steam Hose Assemblies

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