

ALBERT FLEXIBLES

(AN ISO-9001-2015 CERTIFIED COMPANY)

**OUR MOTTO IS CUSTOMER
SATISFACTION**

NSIC REGISTERED

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Manufacturers of :

HIGH & LOW PRESSURE HOSE ASSEMBLIES, HYDRAULIC & PNEUMATIC CYLINDERS, BRAKE HOSE ASSEMBLIES, TEFLON HOSE ASSEMBLIES, CORRUGATED HOSE ASSEMBLIES, HYDRAULIC STEEL PIPES ASSEMBLIES, HYDRAULIC FITTINGS, HYDRAULIC HOSE CRIMPING MACHINE, HYDRAULIC TESTING MACHINE, HYDRAULIC PRESS, POWER PACKS, PLASTIC & RUBBER COMPONENTS.



421 SN

Hydraulic

EN 853 1SN/SAE 100 R1 AT

# Dash Number	Hose 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	11.1	13.4	3265	22.5	2.0	50	0.15	0.23
-5	5/16	7.9	12.7	15.0	3120	21.5	2.25	57.5	0.16	0.25
-6	3/8	9.5	15.1	17.4	2610	18.0	2.5	65	0.22	0.34
-8	1/2	12.7	18.2	20.7	2320	16.0	3.5	90	0.27	0.41
-10	5/8	15.9	21.4	23.7	1890	13.0	4.0	100	0.33	0.49
-12	3/4	19.0	25.4	27.8	1525	10.5	4.75	120	0.42	0.63
-16	1	25.4	33.3	35.5	1275	8.8	6.0	150	0.61	0.93
-20	1-1/4	31.8	40.0	44.8	915	6.3	16.5	420	0.91	1.39
-24	1-1/2	38.1	46.4	50.4	725	5.0	20.0	500	1.00	1.52
-32	2	50.8	59.5	63.5	580	4.0	25.0	630	1.50	2.24
-38*	2-3/8	60.3	69.0	75.0	362	2.5	30.0	762	1.84	2.79
-40*	2-1/2	63.5	73.0	79.5	362	2.5	30.0	762	2.05	3.11
-48*	3	76.2	86.4	94.4	290	2.0	36.0	915	2.68	4.06
-56*	3-1/2	88.9	98.5	105.5	220	1.5	42.0	1067	2.83	4.30
-64*	4	101.6	110.0	117.0	145	1.0	43.5	1105	3.02	4.58

Application : petroleum Base hydraulic fluids and lubricating oils.

Inner Tube : Synthetic rubber.
Reinforcement : One braid steel wire

Cover : Synthetic rubber
Temp. Range : -40°F to +212°F
(-40°C to + 100°C)

Impulse Cycles :
Specified-1,50,000 cycles
Tested upto-3,00,000 cycles.



* Not cover under HS/SAE/EN Impulse test conducted with Albert Flexibles Fittings

* All hoses upto-16 have passed 1,50,000 cycles impulse test at half the Min. bend radius

301 SN

Hydraulic

EN 853 2SN / SAE 100 R2AT

# Dash Number	Hose 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	12.9	15.0	5800	40.0	2.0	50	0.25	0.38
-5	5/16	7.9	14.3	16.6	5100	35.0	2.25	57.5	0.28	0.43
-6	3/8	9.5	16.9	19.0	4750	33.0	2.5	65	0.35	0.53
-8	1/2	12.7	19.8	22.3	4000	28.0	3.5	90	0.41	0.63
-10	5/8	15.9	23.0	25.5	3600	25.0	4.0	100	0.50	0.75
-12	3/4	19.0	27.0	29.4	3100	21.5	4.75	120	0.62	0.95
-16	1	25.4	34.9	38.1	2400	16.5	6.0	150	0.91	1.38
-20	1-1/4	31.8	44.0	47.1	1800	12.5	16.5	420	1.37	2.09
-24	1-1/2	38.1	50.8	54.5	1300	9.0	20.0	500	1.50	2.30
-32	2	50.8	63.5	67.2	1150	8.0	25.0	630	1.92	2.92
-38*	2-3/8	60.3	71.5	75.8	1015	7.0	30.0	762	2.42	3.67
-40*	2-1/2	63.5	76.2	82.5	1000	6.9	30.0	762	2.91	4.42
-48*	3	76.2	89.4	96	650	4.5	36.0	915	3.35	5.08
-56*	3-1/2	88.9	101.2	107.5	400	2.8	42.0	1067	3.41	5.17
-64*	4	101.6	113.2	118.5	365	2.5	43.5	1105	3.49	5.29

Application : petroleum base hydraulic fluids and lubricating oils.

Inner Tube : Synthetic rubber.
Reinforcement : two braid steel wire.

Cover : Synthetic rubber
Temp. Range : -40°F to +212°F
(-40°C to + 100°C)

Impulse Cycles :
Specified-2,00,000 cycles.
tested upto-4,00,000 cycles.



* Not cover under HS/SAE/EN Impulse test conducted with Albert Flexibles Fittings

* All hoses upto-16 have passed 2,00,000 cycles impulse test at half the Min. bend radius

731/EN 856 4SH

Hydraulic

# Dash Number	Hose 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	42.0	11.0	280	1.01	1.54
-16	1	25.4	35.2	39.0	5500	38.0	13.5	340	1.34	2.03
-20	1-1/4	31.8	41.9	45.3	4700	32.5	18.0	460	1.61	2.45
-24	1-1/2	38.1	48.8	53.3	4200	29.0	22.0	560	2.06	3.13
-32	2	50.8	63.2	68.0	3600	25.0	27.0	700	3.05	4.63

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 +212°F
(-40°C to + 100°C)

Impulse Cycles :
Specified - 4,00,000 cycles.
Tested upto-8,00,000 cycles.



SAE 100R5R

Hydraulic



# Dash Number	Hose 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	3/16	5.0	-	13.0	3000	20.7	2.9	75	0.16	0.25
-5	1/4	6.4	-	14.4	3000	20.7	3.4	86	0.18	0.28
-6	5/16	7.9	-	17.2	2250	15.5	4.0	102	0.23	0.36
-8	13/32	10.3	-	19.5	2000	13.8	4.6	117	0.27	0.41
-10	1/2	12.7	-	23.4	1750	12.1	5.5	140	0.36	0.55
-12	5/8	15.9	-	27.4	1500	10.3	6.5	165	0.43	0.65
-16	7/8	22.2	-	31.4	800	5.5	7.4	187	0.48	0.73
-20	1-1/8	28.7	-	38.1	625	4.3	9.0	229	0.54	0.83
-24	1-3/8	34.9	-	44.5	500	3.4	10.5	267	0.68	1.04
-32	1-13/16	46.0	-	57.1	350	2.4	13.2	337	0.91	1.39
-38	2-3/8	60.3	-	73.0	350	2.4	21.0	610	1.39	2.12

Application : petroleum Base hydraulic fluids and lubricating oils.

Inner Tube : Synthetic rubber.
Reinforcement : One fiber braid and one Steel braid
Cover : Synthetic rubber
Temp. Range : -40°F to +212°F (-40°C to + 100°C)

EN 854 R6

Hydraulic



# Dash Number	Hose 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	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

Application : Low Pressure

Inner Tube : Synthetic rubber.
Reinforcement : One Synthetic textile braid.
Cover : Synthetic rubber
Temp. Range : -40°F to +212°F (-40°C to + 100°C)

SPIRAFLEX

Hydraulic

SAE 100 R15















# Dash Number	Hose 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 : Extremely high pressure, heavy duty, high impulse hydraulics

Inner Tube : Oils resistant synthetic rubber.

Reinforcement : Four or six high tensile steel wire spirals

Cover : Synthetic rubber
Temp. Range : -40°F to +212°F continuous + 249°F Intermittent (-40°C to +100°C) continuous +121°C Intermittent
Impulse Cycles :
Specified - 5,00,000 cycles.
Tested upto-10,00,000 cycles.

		HOSE ID & SIZE									
		1/4" -4	5/16" -5	3/8" -6	1/2" -8	5/8" -10	3/4" -12	1" -16	1 1/4" -20	1 1/2" -24	2" -32
JIC FEMALE SWIVEL		1/2"-20 7/16"-20 9/16"-18	9/16"-18 5/8"-18	3/4"-16 9/16"-18	7/8"-14 3/4"-16	1 1/16"-12 7/8"-14	1 5/16"-12 1 1/16"-12	1 5/16"-12	1 5/8"-12	1 7/8"-12	2 1/2"-12
JIC MALE FIXED		1/2"-20 7/16"-20 9/16"-18	9/16"-18 5/8"-18	3/4"-16 9/16"-18	7/8"-14 3/4"-16	1 1/16"-12 7/8"-14	1 5/16"-12 1 1/16"-12	1 5/16"-12	1 5/8"-12	1 7/8"-12	2 1/2"-12
FACE SEAL ORS SEATING		9/16"-18		11/16"-16	13/16"-16	1"-14	1 3/16"-12	1 7/16"-12	1 11/16"-12	2"-12	
METRIC FEMALE "O" RING SEALINGS		Tube Thread OD Size 8-M 12 X 1.5 8-M 14 X 1.5 10-M 18 X 1.5	Tube Thread OD Size 10-M 14 X 1.5 10-M 16 X 1.5 12-M 20 X 1.5	Tube Thread OD Size 12-M 16 X 1.5 12-M 18 X 1.5 14-M 22 X 1.5	Tube Thread OD Size 15-M 22 X 1.5 16-M 24 X 1.5	Tube Thread OD Size 18-M 26 X 1.5 20-M 30 X 2	Tube Thread OD Size 22-M-30 X 2 25-M 36 X 2	Tube Thread OD Size 28-M-36X 2 30-M 42 X 2	Tube Thread OD Size 35-M45 X 2 38-M52 X 2	Tube Thread OD Size 42-M 52 X 2	
METRIC MALE FIXED		M 14 X 1.5 M 18 X 1.5	M 16 X 1.5	M 18 X 1.5 M 22 X 1.5	M 22 X 1.5 M 24 X 1.5	M 26 X 1.5 M 30 X 2	M 30 X 2 M 36 X 2	M 36 X 2 M 42 X 2	M 45 X 2 M 52 X 2	M 52 X 2	
BSP FEMALE SWIVEL		1/4"-19	3/8"-19	3/8"-19 1/2"-14	1/2"-14 5/8"-14	5/8"-14 3/4"-14	3/4"-14 1"-11	1"-11 1 1/4"-11	1 1/4"-11 1 1/2"-11	1 1/2"-11 2"-11	2"-11
BSP MALE FIXED		1/4"-19 3/8"-19	3/8"-19	3/8"-19 1/2"-14	1/2"-14 5/8"-14	5/8"-14 3/4"-14	3/4"-14 1"-11	1"-11 1 1/4"-11	1 1/4"-11	1 1/2"-11	2"-11
BSPT MALE FIXED		1/4"-19		3/8"-19	1/2"-14	5/8"-14	3/4"-14	1"-11	1 1/4"-11	1 1/2"-11	2"-11
NPTF MALE FIXED		1/4"-18 3/8"-19	3/8"-19 1/4"-18*	3/8"-19 1/2"-14	1/2"-14 3/4"-14	3/4"-14	3/4"-14 1"-11.1/2*	1"-11.1/2* 11/14-11 1/2	11/14-11 1/2 11/2-11 1/2*	11/2-11 1/2* 2"-11.1/2*	2"-11.1/2
SAE SPLIT FLANGE CODE 61 (3000 P.S.I.)					DIA 30.2 MM DIA 38.1 MM		DIA 38.1 MM DIA 44.5 MM	DIA 44.5 MM DIA 50.8 MM	DIA 50.8 MM DIA 60.3 MM	DIA 60.3 MM DIA 71.4 MM	DIA 71.4 MM
SAE SPLIT FLANGE CODE 62 (6000 P.S.I.)					DIA 31.8 MM DIA 41.3 MM		DIA 41.3 MM DIA 47.6 MM	DIA 47.6 MM DIA 54 MM	DIA 54 MM DIA 63.5 MM	DIA 63.5 MM DIA 79.4 MM	DIA 79.4 MM

*—MADE TO ORDER

NOTE : ALL THE ABOVE FITTINGS CAN BE PROVIDED WITH ANGULAR BENDS BASED ON SPECS REQUIRED.

FEW OUR CUSTOMERS

- N.E. Railways, Gorakhpur.
- Kota super Thermal Power Station, Kota.
- National Antarctic Research Centre Goa.
- Karnataka Power Corporation Limited,
- Western Railway, Mumbai.
- The Travancore Cements Ltd., Kerala.
- South Western Railway, Bangalore.
- East Central Railway, Mughalsarai.
- Northern Railway, Ghaziabad.
- Northern Railway, Shakurbasti.
- Northern Railway, Lucknow.
- Northern Railway, Kalka.
- Northern Railway, Jagadhari.
- Northern Railway, Jalandhar
- SDO Public Health Palwal.
- South Central Railway, Kazipet.
- South Central Railway, Vijaywada.
- South Central Railway, Lallaguda.
- South Central Railway, Secunderabad.
- NTPC Ltd.
- Gujarat State Electricity Corporation Ltd.
- Central Railway Kurla.
- Ferro Scrap Nigam Ltd.
- North Western Railway, Jodhpur.
- Rail Wheel Plant Bela.
- East Coast Railway, Khurda.
- North Central Railway, Allahabad
- Eastern Railway, Kanchrapara.
- Central Railway Bhusawal.
- Eastern Railway, Andal.
- West Railway, Bhopal.
- North East Frontier Railway.
- Southern Railway Chennai.
- Integral Coach Factory, Chennai.
- North East Frontier Railway, Guwahati.
- Eastern Railway, Bamangachi
- North Western Railway, Ajmer.
- North Central Railway, Jhansi.
- Modern Rail Coach Factory Raebareli.