



ContiTech India Private Limited
Industrial Fluid Solutions
Spiral Hydraulic Hoses

May 2018

Spiral Hydraulic Hoses: 4SP

ContiTech

S4SP

EN 856 4SP/DIN 20023 4SP | Very High Pressure



Application

Very high pressure applications used for petroleum-based hydraulic fluids..

Inner Tube

Polychloroprene

Reinforcement

Four alternating layers of spiralled high-tensile steel wire

Cover

Black polychloroprene

Temperature Range

-40°F to 212°F (-40°C to 100°C)

Fitting Reference

All fittings compatible with the S4SP hose family are listed in Section 5 (starting on page 163) of the catalog.

Branding

Example: Continental ContiTech S4SP-04 EN 856 4SP 1/4" (DN06) W.P. 6550 psi (45.2 MPa) MSHA IC-152/8

- › Meets or exceeds the performance requirements of: EN 856 4SP; DIN 20023 4SP
- › Meets Flame Resistance USMSHA Designation
- › Meets Higher EN/DIN Pressures
- › ABS Type Pending

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
S4SP-06	20714777	3/8	10	0.84	21.4	6455	45.0	7.1	180	25820	178	0.51
S4SP-08	20714778	1/2	12	0.97	24.6	6020	41.5	9.0	230	24080	166	0.58
S4SP-10	20714779	5/8	16	1.11	28.2	5075	35.0	9.8	250	20300	140	0.73
S4SP-12	20714771	3/4	19	1.27	32.2	5510	38.0	11.8	300	22040	152	0.98
S4SP-16	20714773	1	25	1.56	39.7	4640	32.0	13.4	340	18560	128	1.30

Spiral Hydraulic Hoses: 4SH

S4SH

ContiTech

EN 856 4SH/DIN 20023 4SH | Very High Pressure



Application

Very high pressure, pulsating applications used for petroleum-based hydraulic fluids.

Inner Tube

Polychloroprene

Reinforcement

Four alternating layers of spiralled high-tensile steel wire

Cover

Black polychloroprene

Temperature Range

-40°F to 212°F (-40°C to 100°C)

Fitting Reference

All fittings compatible with the S4SH hose family are listed in Section 5 (starting on page 163) of the catalog.

Branding

Example: Continental ContiTech S4SH-12 EN 856 4SH 3/4" (DN19) W.P. 6000 psi (41.4 MPa) MSHA IC-152/8

- › Meets or exceeds the performance requirements of: EN 856 4SH; DIN 20023 4SH
- › Meets Flame Resistance USMSHA Designation
- › Meets Higher EN/DIN Pressures
- › ABS Type Pending

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
S4SH-12	20706576	3/4	19	1.27	32.2	6090	42.0	11.0	280	24360	168.0	1.09
S4SH-16	20706577	1	25	1.52	38.7	5510	38.0	13.4	340	22040	152.0	1.42
S4SH-20	20706723	1 1/4	31	1.79	45.5	5080	35.0	17.9	455	20320	140.0	1.71
S4SH-24	20706724	1 1/2	38	2.11	53.5	4205	29.0	22.0	560	16820	116.0	2.19
S4SH-32	20706725	2	51	2.68	68.1	3650	25.0	28.0	710	14600	100.7	3.31

Spiral Hydraulic Hoses: R12

SR12

ContiTech

SAE 100R12/856 R12 | Very High Pressure



1/2 Bend 3/8" - 3/4"

- › Meets or exceeds the performance requirements of: SAE 100R12; EN 856 R12
- › Meets Flame Resistance USMSHA Designation
- › SAE J1942/U.S. Coast Guard 
- › ABS Type Pending

Application

Very high pressure applications subject to surges or flexing such as oil and gas, construction equipment, mining and the high-performance industrial market.

Inner Tube

Polychloroprene

Reinforcement

Four alternating layers of spiralled high-tensile steel wire

Cover

Black Polychloroprene

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Fitting Reference

All fittings compatible with the SR12 hose family are listed in Section 4 (starting on page 135) of the catalog.

Branding

Example: Continental ContiTech SR12-06 SAE 100R12/EN 856 R12 3/8" (DN10) W.P. 4000 psi (27.6 MPa) MSHA IC-152/2

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.	USCG Approved
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa		
SR12-06	20703115	3/8	10	0.80	20.3	4100	28.3	2.5	65	16400	112	0.40	H
SR12-08	20703046	1/2	12	0.94	23.8	4100	28.3	3.5	90	16400	112	0.52	H
SR12-10	20703117	5/8	16	1.08	27.4	4100	28.3	4.0	100	16400	112	0.70	H
SR12-12	20703048	3/4	19	1.21	30.7	4100	28.3	5.1	130	16400	112	0.81	H
SR12-16	20693294	1	25	1.50	38.0	4100	28.3	11.8	300	16400	112	1.20	H
SR12-20	20703118	1 1/4	31	1.85	47.0	3050	21.0	16.5	420	12200	84	1.70	H
SR12-24	20703119	1 1/2	38	2.10	53.5	2550	17.5	19.7	500	10200	70	2.05	H
SR12-32	20693298	2	51	2.60	66.7	2550	17.5	25.0	635	10200	70	2.82	H

Spiral Hydraulic Hoses: R13

ContiTech

SR13

SAE 100R13/856 R13 | Very High Pressure



Application

Very high pressure applications subject to surges or flexing such as construction equipment, mining and the high-performance industrial market.

Inner Tube

Polychloroprene

Reinforcement

Four alternating layers of spiralled high-tensile steel wire (sizes 3/4" and 1") and six alternating layers of spiralled high-tensile steel wire (sizes 1 1/4", 1 1/2" and 2")

Cover

Black polychloroprene

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Fitting Reference

All fittings compatible with the SR13 hose family are listed in Section 5 (starting on page 163) of the catalog.

Branding

Example: Continental ContiTech SR13-12 SAE 100R13/EN 856 R13 3/4" (DN19) W.P. 5000 psi (34.5 MPa) MSHA IC-152/8

- › Meets or exceeds the performance requirements of: SAE 100R13; EN 856 R13
- › Meets Flame Resistance USMSHA Designation
- › SAE J1942/U.S. Coast Guard 
- › ABS Type Pending

Descriptive #/ SAP # Product #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight	USCG Approved
	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.	
SR13-12 20704441	3/4	19	1.26	32.1	5100	35.0	9.4	240	20400	140.7	1.09	H
SR13-16 20704442	1	25	1.52	38.7	5100	35.0	11.8	300	20400	140.7	1.42	H
SR13-20 20704443	1 1/4	31	1.96	49.8	5100	35.0	16.5	420	20400	140.7	2.69	H
SR13-24 20704449	1 1/2	38	2.25	57.3	5100	35.0	19.7	500	20400	140.7	3.35	H
SR13-32 20704450	2	51	2.80	71.1	5100	35.0	25.2	640	20400	140.7	4.93	H

Spiral Hydraulic Hoses: R15

SR15

ContiTech

SAE 100R15 | Very High Pressure



Application

Designed specifically to handle severe high pressure applications where pressure spikes or constant hydrostatic loads are present.

Inner Tube

Polychloroprene

- › Meets or exceeds the performance requirements of: SAE 100R15 (except sizes 5/8" and 2" which are proprietary 6000 psi hoses)
- › Meets Flame Resistance USMSHA Designation
- › SAE J1942/U.S. Coast Guard 
- › ABS Type Pending

Reinforcement

Four alternating layers of spiralled high-tensile steel wire (sizes 1/2", 5/8", 3/4" and 1") and six alternating layers of spiralled high-tensile steel wire (sizes 1 1/4", 1 1/2" and 2")

Cover

Black polychloroprene

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Fitting Reference

All fittings compatible with the SR15 hose family are listed in Section 5 (starting on page 163) of the catalog. Note: No Continental ContiTech fitting recommendation on SR15-08 and SR15-10 hose sizes.

Branding

Example: Continental ContiTech SR15-08 SAE 100R15 1/2" (12.7mm) W.P. 6000 psi (41.4 MPa) MSHA IC-152/8

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.	USCG Approved
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa		
SR15-08	20714800	1/2	12	0.95	24.2	6100	42.0	7.9	200	24400	168.0	0.59	-
SR15-12	20714785	3/4	19	1.26	32.0	6100	42.0	10.4	265	24400	168.0	1.09	H
SR15-16	20714793	1	25	1.53	38.8	6100	42.0	13.0	330	24400	168.0	1.46	H
SR15-20	20714794	1 1/4	32	1.89	48.0	6100	42.0	17.5	445	24400	168.0	2.41	-
SR15-24	20714795	1 1/2	38	2.23	56.8	6100	42.0	20.9	530	24400	168.0	3.02	-

Spiral Hydraulic Hoses: Extended Life Hoses

ContiTech

Application

Very high pressure hydraulic applications requiring extra abrasion resistance. Excellent impulse performance and flexibility.

Inner Tube

Oil resistant synthetic rubber

Reinforcement

Four or six alternating layers of spiralled high-tensile steel wire

Cover

Extra abrasion, oil & weather resistant synthetic rubber

Branding

Extended Life™ XCP3S
Extended Life™ XCP4S
Extended Life™ XCP5S
Extended Life™ XCP6S

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Color-coded pressure range system for ease in identification

Bend radius up to ½ that of SAE

Flame Resistant MSHA cover

Easy-to-understand hose numbering system:

XCP4S-12

- › X - Extended Life™ Abrasion Resistant Cover
- › CP- Constant Pressure
- › 4 - 4100 PSI Working Pressure
- › S - Spiral Reinforcement
- › 12 - Hose size ID (3/4")



Spiral Hydraulic Hoses: XCP4S (R12 Equivalent) ContiTech

XCP4S

Descriptive #/ Product Numb	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
XCP4S-06	20854290	3/8	10.0	0.80	20.25	4100	28	2.6	65	16400	112	0.40
XCP4S-08	20854291	1/2	12.5	0.94	23.8	4100	28	3.5	90	16400	112	0.52
XCP4S-10	20854292	5/8	16.0	1.08	27.4	4100	28	3.9	100	16400	112	0.70
XCP4S-12	20854293	3/4	19.0	1.21	30.7	4100	28	4.7	120	16400	112	0.09
XCP4S-16	20864021	1	25.0	1.50	38.0	4100	28	5.9	150	16400	112	1.20
XCP4S-20	20867344	1 1/4	31.5	1.79	45.5	4100	28	10.6	270	16400	112	1.71

Spiral Hydraulic Hoses: XCP5S (R13 Equivalent) ContiTech

XCP5S

Descriptive #/ Product Numb	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
XCP5S-06	20882963	3/8	10.0	0.84	21.4	5100	35	3.5	90	20400	140	0.48
XCP5S-08	20879434	1/2	12.5	0.97	24.6	5100	35	3.5	90	20400	140	0.58
XCP5S-10	20882965	5/8	16.0	1.11	28.2	5100	35	4.7	120	20400	140	0.79
XCP5S-12	20864025	3/4	19.0	1.27	32.2	5100	35	4.7	120	20400	140	0.98
XCP5S-16	20867348	1	25.0	1.52	38.7	5100	35	5.9	150	20400	140	1.42
XCP5S-20	20879436	1 1/4	31.5	1.79	45.5	5100	35	10.7	270	20400	140	1.71
XCP5S-24	20864027	1 1/2	38.0	2.28	57.8	5100	35	19.6	500	20400	140	3.35
XCP5S-32	20867501	2	51.0	2.80	71.1	5100	35	24.8	630	20400	140	4.76

Spiral Hydraulic Hoses: XCP6S (R15 Equivalent) ContiTech

XCP6S

Descriptive #/ Product Numb	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
XCP6S-06	20882967	3/8	10.0	0.84	21.4	6100	42	3.5	90	24400	168	0.48
XCP6S-08	20879438	1/2	12.5	0.97	24.6	6100	42	3.5	90	24400	168	0.58
XCP6S-10	20889839*	5/8	16.1	1.04	26.5	6100	42	4.7	120	24400	168	0.73
XCP6S-12	20864030	3/4	19.0	1.27	32.2	6100	42	4.7	120	24400	168	1.09
XCP6S-16	20879440	1	25.0	1.53	38.9	6100	42	5.9	150	24400	168	1.46
XCP6S-20	20882969*	1 ¼	38.0	2.03	51.5	6100	42	17.5	445	24400	168	2.41
XCP6S-24	20864032	1 1/2	38.0	2.20	55.8	6100	42	20.8	530	24400	168	3.02
XCP6S-32	20901268*	2	51.0	2.86	72.7	6100	42	24.8	630	24400	168	4.50

High Temperature R1

Desert® DR1SN

ContiTech

SAE 100R1AT/1SN | Medium Pressure



- › Meets or exceeds the performance requirements of: SAE 100R1AT; EN 853 1SN; DIN 20022 1SN.
- › High Temperature
- › Meets Higher EN/DIN Pressures
- › ABS Type Approved through 1"

Application

Medium pressure hydraulic oil lines used in mobile, machine tool and agricultural applications where higher temperature petroleum- or water-based hydraulic fluids are a factor.

Inner Tube

Black CPE

Reinforcement

One braid of high-tensile steel wire

Cover

Blue CPE

Temperature Range

-40°F to 302°F (-40°C to 150°C)

Fitting Reference

All fittings compatible with the DR1SN hose family are listed in Section 1 (starting on page 52) of the catalog.

Branding

Example: Continental ContiTech DESERT® DR1SN-04 SAE 100R1AT/1SN (High temp) 1/4" (DN06) W.P. 3270 psi (22.5 MPa)

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		In.	DIN Dash Size	In.	mm	psi	MPa	In.	mm	psi	MPa	
DR1SN-04	20239353	1/4	06	0.52	13.1	3270	22.5	4.0	102	13080	90.2	0.15
DR1SN-06	20239354	3/8	10	0.67	17.1	2615	18.0	5.0	127	10460	72.1	0.22
DR1SN-08	20239355	1/2	12	0.80	20.3	2320	16.0	7.0	178	9280	64.0	0.28
DR1SN-10	20239356	5/8	16	0.92	23.4	1890	13.0	8.0	203	7560	52.1	0.33
DR1SN-12	20239357	3/4	19	1.08	27.4	1530	10.5	9.5	241	6120	42.2	0.41
DR1SN-16	20239358	1	25	1.39	35.3	1280	8.8	12.0	305	5120	35.3	0.62
DR1SN-20	20239359	1¼	31	1.70	43.1	920	6.3	16.5	419	3680	25.4	0.84
DR1SN-24	20239360	1½	38	1.97	50.1	730	5.0	20.0	508	2920	20.1	1.09
DR1SN-32	20239361	2	51	2.50	63.6	580	4.0	25.0	635	2320	16.0	1.34

High Temperature R2

ContiTech

Desert® DR2SN

SAE 100R2AT-Type S | High Pressure



Application

High pressure hydraulic oil lines used in construction, machine tool and agricultural applications where higher temperature petroleum- or water-based hydraulic fluids are a factor.

Inner Tube

Black CPE

Reinforcement

Two braids of high-tensile steel wire

Cover

Blue CPE

Temperature Range

-40°F to 302°F (-40°C to 150°C)

Fitting Reference

All fittings compatible with the DR2SN hose family are listed in Section 1 (starting on page 52) of the catalog.

Branding

Example: Continental ContiTech DESERT® DR2SN-08 SAE 100R2AT-Type S 1/2" (DN12) 4000 psi (27.6 MPa)

› Meets or exceeds the performance requirements of: SAE 100R2AT-Type S; EN853 2SN-pressures.

› High Temperature

› Meets Higher EN/DIN Pressures

› Meets Flame Resistance USMSHA Designation

› SAE J1942/U.S. Coast Guard



Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight	USCG Approved
		In.	DIN Dash Size	In.	mm	psi	MPa	In.	mm	psi	MPa	lbs./ft.	
DR2SN-04	20698338	1/4	08	0.59	15.1	5800	40.0	4.0	102	23200	160.0	0.24	-
DR2SN-06	20698339	3/8	10	0.75	19.1	4800	33.1	5.0	127	19200	132.4	0.34	H
DR2SN-08	20698620	1/2	12	0.88	22.2	4000	27.6	7.0	178	16000	110.3	0.43	H
DR2SN-10	20698621	5/8	16	1	25.4	3630	25.0	8.0	203	14520	100.0	0.50	H
DR2SN-12	20698622	3/4	19	1.16	29.4	3120	21.5	9.5	241	12480	86.0	0.61	H
DR2SN-16	20698623	1	25	1.5	38.1	2400	16.5	12.0	305	9600	66.6	0.88	H