

HYDRAULIC HOSE SPECS



African
Hose
Solutions



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PAGE	HOSE TYPE	ID	Application	Specification	Ferrule/Collar Series
HYDRAULIC HOSE		PREMIUM WIRE BRAID (INCL. HIGH TEMPERATURE HOSE)			
A1-01	S1 1SN - One Wire Braid Hydraulic Hose PREMIUM Range - Made in Europe		-04 to -32 1/4" to 2"	Low to medium pressure hydraulic systems	DIN EN 853 1SN Exceeds SAE 100 R1 AT CTCL1 (Non Skive)
A1-02	S2 2SN - Two Wire Braid Hydraulic Hose PREMIUM Range - Made in Europe		-04 to -32 1/4" to 2"	Medium to high pressure hydraulic systems	DIN EN 853 2SN Exceeds SAE 100 R2 AT XTCL (Non Skive) CX_BD (Skive)
A1-09	R5 R5 Cotton Cover Hose PREMIUM Range - Made in Europe		-04 to -40 3/16" to 2-3/8"	Low to medium pressure hydraulic systems	SAE J 517 100 R5 Reusable Custom
A1-10	R5 High Temperature 4SH Multispiral Hose PREMIUM Range - Made in Europe		-08 to -32 13/32" to 1-13/16"	Low to medium pressure hydraulic systems where operating temp. is up to 150°C	SAE J 517 100 R5 BLUE Reusable Custom
A1-11	2SN - High Temperature 2SN - High Temperature Hose VERTEX Range - Made in Europe		-04 to -32 1/4" to 2"	Medium to high pressure hydraulic systems where operating temp. is up to 150°C	DIN EN 853 2SN XTCL (Non Skive) CX_BD (Skive)
HYDRAULIC HOSE		PREMIUM MULTISPIRAL RANGE			
A1-03	S4SP 4SP (4 Wire) Multispiral Hydraulic Hose PREMIUM Range - Made in Europe		-04 to -32 1/4" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 4 SP H_FLW (Skive)
A1-04	R12 R12 Grey (4 Wire) Multispiral PREMIUM Range - Made in Europe		-06 to -32 3/8" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 R12 Exceeds SAE 100 R12 H_FLW (Skive)
A1-05	S4SH 4SH Multispiral Hose PREMIUM Range - Made in Europe		-12 to -32 3/4" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 4 SH IL_FLW (Skive)
A1-06	R13 R13 Mutispiral Hose PREMIUM Range - Made in Europe		-12 to -32 3/4" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 R13 Exceeds SAE 100 R13 IL_FLW (Skive) IL6_FLW (Skive)
A1-07	R15 R15 Multispiral Hose PREMIUM Range - Made in Europe		-12 to -24 3/8" to 1 1/2"	Systems with high peak pressures & arduous operating conditions	SAE 100 R15 IL_FLW (Skive) IL6_FLW (Skive)
A1-08	WB Waterblast Multispiral Hose PREMIUM Range - Made in Europe		-08 1/2"	Very high pressure hose for water jetting systems	DIN EN 1829-2 Custom

PAGE	HOSE TYPE	ID	Application	Specification	Ferrule/Collar Series	
HYDRAULIC HOSE		Other Hydraulic Hose				
A1-12	FSH 1SN - Fire Suppression Hose PREMIUM Range - Made in Europe		-04 to -12 1/4" to 3/4"	Red cover identification in the usage of fire suppression devices	DIN EN 853 1SN Exceeds SAE 100 R1 AT	CTCL1 (Non Skive)
A1-21	435 Hydraulic Brake Hose PREMIUM Range - Made in Europe		-02 1/8"	Used in automotive hydraulic brake systems	SAE J 1401	Custom
HYDRAULIC HOSE		WIRE BRAID				
A1-15	R1 1SN - One Wire Braid Hydraulic Hose		-04 to -32 1/4" to 2"	Low to medium pressure hydraulic systems	DIN EN 853 1SN Exceeds SAE 100 R1 AT	CTCL1 (Non Skive)
A1-16	R2 2SN - Two Wire Braid Hydraulic Hose		-04 to -32 1/4" to 2"	Medium to high pressure hydraulic systems	DIN EN 853 2SN Exceeds SAE 100 R2 AT	XTCL (Non Skive) CX_BD (Skive)
HYDRAULIC HOSE		MULTISPIRAL RANGE				
A1-17	4SP 4SP (4 Wire) Multispiral Hydraulic Hose		-04 to -32 1/4" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 4 SP	H_FLW (Skive)
A1-18	4SH 4SH Multispiral Hose		-12 to -32 3/4" to 2"	Systems with high peak pressures & arduous operating conditions	DIN EN 856 4 SH	IL_FLW (Skive)
HYDRAULIC HOSE		HIGH ABRASION RANGE				
A1-20	2SMR 2SN - Two Wire Braid Hydraulic Hose - High Abrasion Cover		-04 to -16 1/4" to 1"	Medium to high pressure hydraulic systems	DIN EN 853 2SN Exceeds SAE 100 R2 AT	XTCL (Non Skive) CX_BD (Skive)
A1-20	2SSC 2SN - Two Wire Braid Hydraulic Hose - Ultra High Abrasion Cover		-04 to -16 1/4" to 1"	Medium to high pressure hydraulic systems	DIN EN 853 2SN Exceeds SAE 100 R2 AT	XTCL (Non Skive) CX_BD (Skive)
HYDRAULIC HOSE		WIRE BRAID				
A1-13	R1 1SN - One Wire Braid Hydraulic Hose		-04 to -32 1/4" to 2"	Low to medium pressure hydraulic systems	DIN EN 853 1SN Exceeds SAE 100 R1 AT	CTCL1 (Non Skive)
A1-14	R2 2SN - Two Wire Braid Hydraulic Hose		-04 to -32 1/4" to 2"	Medium to high pressure hydraulic systems	DIN EN 853 2SN Exceeds SAE 100 R2 AT	XTCL (Non Skive) CX_BD (Skive)

S1 One Wire Braid Hydraulic Hose

DIN - EN 853 1 SN
SAE 100 R1 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

One High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+120°C max.)

APPLICATION

Hoses may be used for:

Hydraulic liquids in accordance with ISO 6743-4

Water solutions

Water

Compressed air

SAFETY FACTOR

4:1



BRANDING

EN 853 1SN <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
S104	6	1/4	6.4	13.4	225	3265	900	13050	100	0.21
S105	8	5/16	7.9	15	215	3120	850	12325	115	0.24
S106	10	3/8	9.5	17.4	180	2610	720	10440	125	0.33
S108	12	1/2	12.7	20.6	160	2320	640	9280	180	0.41
S110	16	5/8	15.9	23.7	130	1885	520	7540	200	0.45
S112	19	3/4	19	27.7	105	1525	420	6090	240	0.58
S116	25	1	25.4	35.6	88	1275	350	5075	300	0.88
S120	31	1-1/4	31.8	43.5	63	915	250	3625	420	1.23
S124	38	1-1/2	38.1	50.6	50	725	200	2900	500	1.51
S132	51	2	50.8	64	40	580	160	2320	630	1.97



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S2 Two Wire Braid Hydraulic Hose

DIN - EN 853 2 SN
SAE 100 R2 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Two High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water
Compressed air

SAFETY FACTOR

4:1



BRANDING

EN 853 2SN <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
S204	6	1/4	6.4	15	400	5800	1600	23200	100	0.33
S205	8	5/16	7.9	16.6	350	5075	1400	20300	115	0.39
S206	10	3/8	9.5	19	330	4785	1320	19140	125	0.50
S208	12	1/2	12.7	22.2	275	3990	1100	15950	180	0.59
S210	16	5/8	15.9	25.4	250	3625	1000	14500	200	0.71
S212	19	3/4	19	29.3	215	3120	850	12325	240	0.86
S216	25	1	25.4	38.1	165	2395	650	9425	300	1.28
S220	31	1-1/4	31.8	48.3	125	1815	500	7250	420	2.02
S224	38	1-1/2	38.1	54.6	90	1305	360	5220	500	2.20
S232	51	2	50.8	67.3	80	1160	320	4640	630	2.85



African
Hose
Solutions

S4SP 4SP Multispiral Hydraulic Hose

**DIN - EN 856 4 SP
R9R**

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Four High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water

SAFETY FACTOR

4:1



BRANDING

EN 856 4SP <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE

Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Bend Rad	Weight
	mm	inch	mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m
S4SP-04	6	1/4	6.4	17.9	450	6500	1800	26100	150	0.63		
S4SP-06	10	3/8	9.5	21.4	445	6455	1780	25810	180	0.78		
S4SP-08	12	1/2	12.7	24.6	425	6165	1700	24650	230	0.93		
S4SP-10	16	5/8	15.9	28.2	350	5075	1400	20300	250	1.17		
S4SP-12	19	3/4	19	32.2	350	5075	1400	20300	300	1.48		
S4SP-16	25	1	25.4	39.7	280	4060	1120	16240	340	2.02		
S4SP-20	31	1-1/4	31.8	50.8	210	3045	840	12180	460	3.05		
S4SP-24	38	1-1/2	38.1	57.2	185	2685	740	10730	560	3.52		
S4SP-32	51	2	50.8	69.8	165	2395	660	9570	660	5.20		



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R12 R12 Grey 4 Wire Multispiral Hydraulic Hose

DIN - EN 856
SAE 100 R12 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Four High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
Grey, MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water

SAFETY FACTOR

4:1



BRANDING

SAE 100 R12 AT <INCH SIZE> DN <DIN SIZE> WP <bar> BAR MSHA IC-261/4 MADE IN EUROPE



Part No.	Hose Size		I.D. mm	O.D. mm	Working Press		Burst Press		Bend Rad mm	Weight kg/m
	mm	inch			bar	psi	bar	psi		
R12-06	10	3/8	9.5	20.3	280	4060	1120	16240	125	0.70
R12-08	12	1/2	12.7	23.8	280	4060	1120	16240	180	0.84
R12-10	16	5/8	15.9	27.4	280	4060	1120	16240	200	1.10
R12-12	19	3/4	19	30.7	280	4060	1120	16240	240	1.33
R12-16	25	1	25.4	38	280	4060	1120	16240	300	1.85
R12-20	31	1-1/4	31.8	47	210	3045	840	12180	420	2.65
R12-24	38	1-1/2	38.1	53.5	175	2540	700	10150	500	3.20
R12-32	51	2	50.8	66.7	175	2540	700	10150	630	4.50



African
Hose
Solutions

S4SH 4SH Multispiral Hydraulic Hose

DIN - EN 856 4 SH

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Four High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:

Hydraulic liquids in accordance with ISO 6743-4

Water solutions

Water

SAFETY FACTOR

4:1



BRANDING

EN 856 4SH <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
S4SH-12	19	3/4	19	32.2	420	6090	1680	24360	280	1.53
S4SH-16	25	1	25.4	38.7	380	5510	1520	22040	340	2.06
S4SH-20	31	1-1/4	31.8	45.5	345	5000	1380	20010	460	2.46
S4SH-24	38	1-1/2	38.1	53.5	290	4205	1160	16820	560	3.35
S4SH-32	51	2	50.8	68.1	250	3625	1000	14500	700	4.55



African
Hose
Solutions

R13 R13 Multispiral Hydraulic Hose

DIN - EN 856 R 13
SAE 100 R 13

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Four or Six High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
 MSHA approved



TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
 Hydraulic liquids in accordance with ISO 6743-4
 Water solutions
 Water

SAFETY FACTOR

4:1

BRANDING

EN 856 R13 <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE



Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Bend Rad	Weight
	mm	inch	mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m
R13-12	19	3/4	19	32	350	5075	1400	20300	240			1.65
R13-16	25	1	25.4	39.2	350	5075	1400	20300	300			2.25
R13-20	31	1-1/4	31.8	49.8	350	5075	1400	20300	420			3.60
R13-24	38	1-1/2	38.1	57.3	350	5075	1400	20300	500			4.75
R13-32	51	2	50.8	71.9	350	5075	1400	20300	630			6.90



African
 Hose
 Solutions

R15 R15 Multispiral Hydraulic Hose

DIN - EN 856 R 15

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Four or Six High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved



TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water

SAFETY FACTOR

4:1

BRANDING

EN 856 R15 <INCH SIZE> Max. WP <bar> Bar MSHA IC-84/41 MADE IN EUROPE

Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
R15-12	19	3/4	19	32.9	420	6090	1680	24365	265	1.50
R15-16	25	1	25.4	38.9	420	6090	1680	24365	330	2.10
R15-20	31	1-1/4	31.8	48.4	420	6090	1680	24365	445	3.60
R15-24	38	1-1/2	38.1	56.3	420	6090	1680	24365	530	5.10



African
Hose
Solutions

DIN - EN 1829-2 WATERBLAST HOSE

HOSE CONSTRUCTION

INNER TUBE

Mineral, Vegetable and Glucol Based
Hydraulic Oil Resistant Special Synthetic Rubber

REINFORCEMENT

Four High Tensile Steel Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -10°C to +70°C (+100°C max.)

APPLICATION

Very High Pressure Hose for Water Scaling and Jetting Systems

SAFETY FACTOR

2.5:1



BRANDING

<INCH SIZE> WP <bar> <psi> Bar BP <bar> <psi> MSHA IC-84/43 MADE IN EUROPE



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
WB-08	12.7	1/2	12.7	24.6	1100	15950	2750	39870	230	1.21

Other Sizes Available on request

Higher Pressure Rating Waterblast hose also available on request



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R5 R5 Cotton Cover Hose

SAE J 517 100 R5

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Synthetic Textile and High Tensile Steel 1 Wire Braid

COVER

Braided Cotton, Impregnated with Oil and Weather Resistant Synthetic Rubber



TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

For High Pressure Hydraulic Systems
in Industry and Agriculture

SAFETY FACTOR

4:1

BRANDING

SAE 100 R5 J517 R5-<DASH SIZE> <INCH SIZE> Max. WP <bar> Bar / <psi> PSI MADE IN EUROPE



Part No.	Hose Size	I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	inch	mm	mm	bar	psi	bar	psi	mm	kg/m
R5-04	3/16	4.8	13.2	207	3002	828	12006	76	0.26
R5-05	1/4	6.4	14.8	207	3002	828	12006	86	0.30
R5-06	5/16	7.9	17.2	155	2250	620	9000	102	0.36
R5-08	13/32	10.3	19.5	138	2001	552	8004	117	0.41
R5-10	1/2	12.7	23.4	121	1755	484	7018	140	0.57
R5-12	5/8	15.9	27.4	103	1494	412	5974	165	0.70
R5-16	7/8	22.2	31.4	55	798	220	3190	187	0.74
R5-20	1-1/8	28.6	38.1	43	624	172	2494	229	0.98
R5-24	1-3/8	34.9	44.5	34	493	136	1972	267	1.13
R5-32	1-13/16	46	56.4	24	348	96	1392	337	1.35
R5-40	2-3/8	60.3	72	24	348	96	1392		



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Hose
Solutions

R5 BLUE R5 Blue Cotton Cover Hose High Temperature

SAE J 517
100 R5 - HIGH TEMPERATURE

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Synthetic Textile and High Tensile Steel 1 Wire Braid

COVER

Blue Braided Cotton, Impregnated with Oil and
Weather Resistant Synthetic Rubber



TEMPERATURE RANGE

(High) -50°C to +135°C (+150°C max.)

APPLICATION

For High Pressure Hydraulic Systems
in Industry and Agriculture

SAFETY FACTOR

4:1

BRANDING

SAE 100 R5 J517 R5BLUE-<DASH SIZE> <INCH SIZE> Max. WP <bar> Bar / <psi> PSI MADE IN EUROPE



Part No.	Hose Size	I.D. O.D.		Working Press		Burst Press		Bend Rad	Weight
		mm	mm	bar	psi	bar	psi		
R5-08BLUE	13/32	10.3	19.1	138	2001	552	8004	115	0.44
R5-10BLUE	1/2	12.7	22.9	121	1755	484	7018	140	0.60
R5-16BLUE	7/8	22.2	30.8	55	798	220	3190	185	0.74
R5-20BLUE	1-1/8	28.6	37.6	43	624	172	2494	230	0.98
R5-24BLUE	1-3/8	34.9	44.5	34	493	136	1972	265	1.21
R5-32BLUE	1-13/16	46	56.4	24	348	96	1392	335	1.47



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**2SN
HI TEMP**

2SN High Temperature Hose

DIN EN 853 2 SN HIGH TEMPERATURE

HOSE CONSTRUCTION

INNER TUBE

High Temperature Oil and Water Resistant
Synthetic Rubber

REINFORCEMENT

Two High Tensile Steel Wire Braid

COVER

Blue
Oil, Abrasion and Weather Resistant
Special Synthetic Rubber



TEMPERATURE RANGE

(HIGH) -50°C to +135°C (+150°C max.)

APPLICATION

For Medium to High Pressure Hydraulic Systems
in Industry, Compressors and Mining where
Operating Temperatures are up to 150°C

SAFETY FACTOR

4:1

BRANDING

EN 853 2SN HIGH TEMPERATURE <INCH SIZE> Max. WP <bar> Bar 135°C MADE IN EUROPE

Part No.	Hose Size		I.D. mm	O.D. mm	Working Press		Burst Press		Bend Rad mm	Weight kg/m
	mm	inch			bar	psi	bar	psi		
R204HT	6	1/4	6.4	15	400	5800	1600	23200	100	0.40
R206HT	8	3/8	9.5	18.9	330	4785	1320	19140	130	0.57
R208HT	12	1/2	12.7	22.2	275	3988	1100	15950	180	0.68
R212HT	19	3/4	19	29.2	215	3118	850	12325	240	0.99
R216HT	22.5	1	25.4	37.2	165	2393	650	9425	300	1.38
R220HT	31	1 1/4	31.8	47.3	125	1813	500	7250	420	2.04
R224HT	38	1 1/2	38.1	53.7	90	1305	360	5220	500	2.28
R232HT	51	2	50.8	66.7	78	1131	310	4500	630	2.97



African
Hose
Solutions

FSH One Wire Braid Hydraulic Fire Suppression Hose

DIN EN 853 1 SN
FIRE SUPPRESSION

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

One High Tensile Steel Wire Braid

COVER

Red

Oil, Abrasion and Weather Resistant Special Synthetic Rubber



TEMPERATURE RANGE

(HIGH) -40°C to +100°C (+120°C max.)

APPLICATION

Low Pressure Fire Suppression Hose
Red Cover for Identification in the Useage of Fire Suppression Devices

SAFETY FACTOR

4:1

BRANDING

FIRE SUPPRESSION HOSE DIN EN 853 1SN DN <DN SIZE> <INCH SIZE> WP <bar> BAR <psi> psi MSHA IC-84/41 MADE IN EUROPE



Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Bend Rad	Weight
	mm	inch	mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m
FSH-04	6	1/4	6.4	13.4	225	3265	900	13050	100	0.21		
FSH-06	8	3/8	9.5	17.4	180	2610	720	10440	125	0.33		
FSH-08	12	1/2	12.7	20.6	160	2320	640	9280	180	0.41		
FSH-12	19	3/4	19	27.7	105	1525	420	6095	240	0.58		



African
Hose
Solutions

1SN One Wire Braid Hydraulic Hose

DIN - EN 853 1 SN
SAE 100 R1 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

One High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant
Synthetic Rubber

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+120°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water
Compressed air

SAFETY FACTOR

4:1



BRANDING

DIN EN 853 1SN DN <DN SIZE> EXCEEDS SAE R1AT <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
1SN-04	6	1/4	6.4	13.4	225	3265	900	13050	100	0.21
1SN-05	8	5/16	7.9	15	215	3120	850	12325	115	0.24
1SN-06	10	3/8	9.5	17.4	180	2610	720	10440	125	0.33
1SN-08	12	1/2	12.7	20.6	160	2320	640	9280	180	0.41
1SN-10	16	5/8	15.9	23.7	130	1885	520	7540	200	0.45
1SN-12	19	3/4	19	27.7	105	1525	420	6090	240	0.58
1SN-16	25	1	25.4	35.6	88	1275	350	5075	300	0.88
1SN-20	31	1-1/4	31.8	43.5	63	915	250	3625	420	1.23
1SN-24	38	1-1/2	38.1	50.6	50	725	200	2900	500	1.51
1SN-32	51	2	50.8	64	40	580	160	2320	630	1.97



African
Hose
Solutions

2SN Two Wire Braid Hydraulic Hose

DIN - EN 853 2 SN
SAE 100 R2 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Two High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant
Synthetic Rubber

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water
Compressed air

SAFETY FACTOR

4:1



BRANDING

DIN EN 853 2SN DN <DN SIZE> EXCEEDS SAE R2AT <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
2SN-04	6	1/4	6.4	15	400	5800	1600	23200	100	0.33
2SN-05	8	5/16	7.9	16.6	350	5075	1400	20300	115	0.39
2SN-06	10	3/8	9.5	19	330	4785	1320	19140	125	0.50
2SN-08	12	1/2	12.7	22.2	275	3990	1100	15950	180	0.59
2SN-10	16	5/8	15.9	25.4	250	3625	1000	14500	200	0.71
2SN-12	19	3/4	19	29.3	215	3120	850	12325	240	0.86
2SN-16	25	1	25.4	38.1	165	2395	650	9425	300	1.28
2SN-20	31	1-1/4	31.8	48.3	125	1815	500	7250	420	2.02
2SN-24	38	1-1/2	38.1	54.6	90	1305	360	5220	500	2.20
2SN-32	51	2	50.8	67.3	80	1160	320	4640	630	2.85



African
Hose
Solutions

R1 One Wire Braid Hydraulic Hose

DIN - EN 853 1 SN
SAE 100 R1 AT

HOSE CONSTRUCTION



INNER TUBE

Oil and Water Resistant
Synthetic Rubber

REINFORCEMENT

One High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant
Synthetic Rubber

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+120°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water
Compressed air

SAFETY FACTOR

4:1

DIN EN 853 1SN DN <DN SIZE> EXCEEDS SAE R1AT <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D. mm	O.D. mm	Working Press		Burst Press		Bend Rad mm	Weight kg/m
	mm	inch			bar	psi	bar	psi		
R104	6	1/4	6.4	13.4	225	3265	900	13050	100	0.21
R105	8	5/16	7.9	15	215	3120	850	12325	115	0.24
R106	10	3/8	9.5	17.4	180	2610	720	10440	125	0.33
R108	12	1/2	12.7	20.6	160	2320	640	9280	180	0.41
R110	16	5/8	15.9	23.7	130	1885	520	7540	200	0.45
R112	19	3/4	19	27.7	105	1525	420	6090	240	0.58
R116	25	1	25.4	35.6	88	1275	350	5075	300	0.88
R120	31	1-1/4	31.8	43.5	63	915	250	3625	420	1.23
R124	38	1-1/2	38.1	50.6	50	725	200	2900	500	1.51
R132	51	2	50.8	64	40	580	160	2320	630	1.97



African
Hose
Solutions

R2 Two Wire Braid Hydraulic Hose

**DIN - EN 853 2 SN
SAE 100 R2 AT**

HOSE CONSTRUCTION



INNER TUBE

Oil and Water Resistant
Synthetic Rubber

REINFORCEMENT

Two High Tensile Steel Wire Braid

COVER

Abrasion, Ozone and Weather Resistant
Synthetic Rubber

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water
Compressed air

SAFETY FACTOR

4:1

DIN EN 853 2SN DN <DN SIZE> EXCEEDS SAE R2AT <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
R204	6	1/4	6.4	15	400	5800	1600	23200	100	0.33
R205	8	5/16	7.9	16.6	350	5075	1400	20300	115	0.39
R206	10	3/8	9.5	19	330	4785	1320	19140	125	0.50
R208	12	1/2	12.7	22.2	275	3990	1100	15950	180	0.59
R210	16	5/8	15.9	25.4	250	3625	1000	14500	200	0.71
R212	19	3/4	19	29.3	215	3120	850	12325	240	0.86
R216	25	1	25.4	38.1	165	2395	650	9425	300	1.28
R220	31	1-1/4	31.8	48.3	125	1815	500	7250	420	2.02
R224	38	1-1/2	38.1	54.6	90	1305	360	5220	500	2.20
R232	51	2	50.8	67.3	80	1160	320	4640	630	2.85



African
Hose
Solutions

4SP

4SP Multispiral Hydraulic Hose

**DIN - EN 856 4 SP
R9R**

HOSE CONSTRUCTION



INNER TUBE

Oil and Water
Resistant Synthetic Rubber

REINFORCEMENT

Four High Tensile Steel Wire Spiral Layers

COVER

Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water

SAFETY FACTOR

4:1

DIN EN 856 4SP DN <DN SIZE> <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Bend Rad	Weight
	mm	inch	mm	mm	bar	psi	bar	psi	mm	kg/m		
4SP-04	6	1/4	6.4	17.9	450	6500	1800	26100	150	0.63		
4SP-06	10	3/8	9.5	21.4	445	6455	1780	25810	180	0.78		
4SP-08	12	1/2	12.7	24.6	425	6165	1700	24650	230	0.93		
4SP-10	16	5/8	15.9	28.2	350	5075	1400	20300	250	1.17		
4SP-12	19	3/4	19	32.2	350	5075	1400	20300	300	1.48		
4SP-16	25	1	25.4	39.7	280	4060	1120	16240	340	2.02		
4SP-20	31	1-1/4	31.8	50.8	210	3045	840	12180	460	3.05		
4SP-24	38	1-1/2	38.1	57.2	185	2685	740	10730	560	3.52		
4SP-32	51	2	50.8	69.8	165	2395	660	9570	660	5.20		



African
Hose
Solutions

4SH 4SH Multispiral Hydraulic Hose

DIN - EN 856 4 SH



HOSE CONSTRUCTION

INNER TUBE
Oil and Water
Resistant Synthetic Rubber

REINFORCEMENT
Four High Tensile Steel Wire Spiral Layers

COVER
Abrasion, Ozone and Weather Resistant Synthetic Rubber
MSHA approved

TEMPERATURE RANGE
(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION
Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions
Water

SAFETY FACTOR
4:1

DIN EN 856 4SH DN <DN SIZE> <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI



Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Bend Rad	Weight
	mm	inch	mm	mm	bar	psi	bar	psi	mm	kg/m		
4SH-12	19	3/4	19	32.2	420	6090	1680	24360	280	1.53		
4SH-16	25	1	25.4	38.7	380	5510	1520	22040	340	2.06		
4SH-20	31	1-1/4	31.8	45.5	345	5000	1380	20010	460	2.46		
4SH-24	38	1-1/2	38.1	53.5	290	4205	1160	16820	560	3.35		
4SH-32	51	2	50.8	68.1	250	3625	1000	14500	700	4.55		



African
Hose
Solutions

High Abrasion



African
Hose
Solutions

ROCK COVER

This product line is used in high abrasion environments. In addition to its recognised benefits of excellent resistance to ozone, UV radiation, high temperatures and salt water, it meets the special requirements of the underground coal mining industry.

Rock Cover is:

Very high wear and abrasion resistance

Very high ozone resistance

Very high weather and salt water resistance

Flame retardant

MSHA approved

SHIELD COVER

This products are characterised by excellent wear and ozone resistance which is achieved by the double-layer construction with rubber cover and an additional UHMW foil. Even after one million cycles no measurable abrasion can be detected when tested acc. to EN ISO 6945. The extremewear resistance supersedes the use of wear protection spirals (spring guards).

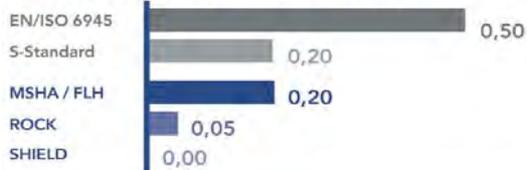
SEMPERSHIELD Cover is:

Outstanding wear and abrasion resistance

Outstanding ozone and UV resistance

MSHA approved

ABRASION VALUES ACC. TO EN ISO 6945



ABRASION RESISTANCE, METAL-TO-HOSE



2SMR High Abrasion Two Wire Braid

2SSC Hydraulic Hose

DIN - EN 853 2 SN
SAE 100 R2 AT

HOSE CONSTRUCTION

INNER TUBE

Oil and Water Resistant Synthetic Rubber

REINFORCEMENT

Two High Tensile Steel Wire Braid

TEMPERATURE RANGE

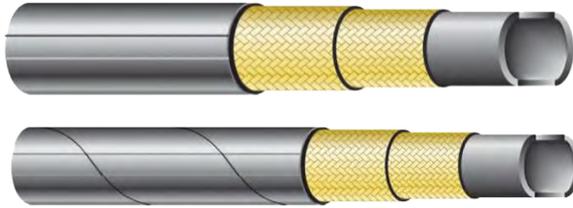
(MEDIUM) -40°C to +100°C (+125°C max.)

APPLICATION

Hoses may be used for:
Hydraulic liquids in accordance with ISO 6743-4
Water solutions, Water

SAFETY FACTOR

4:1



Synthetic rubber with the key characteristics:

- superior abrasion resistance – graphic
- excellent ozone and UV resistance
- weather and salt water resistant
- flame resistant acc. to MSHA and DSK (LOBA) specs antistatic

Double layer construction - rubber cover with UHMW foil
MSHA Approved
Abrasion, ozone and UV resistance supercede cover

BRANDING

DIN EN 853 2SN DN <DN SIZE> <INCH SIZE> WP <bar> BAR <psi> psi BP <psi> PSI

DIN EN 853 2SN DN <DN SIZE> <INCH SIZE> WP <bar> BAR <psi> psi BP <psi>

Part No.	Hose Size		I.D. mm	O.D. mm	Working Press		Burst Press		Bend Rad mm	Weight kg/m
	mm	inch			bar	psi	bar	psi		
2SMR-04	6	1/4	6.4	15	400	5800	1600	23200	100	0.33
2SMR-06	10	3/8	9.5	19	330	4785	1320	19140	125	0.50
2SMR-08	12	1/2	12.7	22.2	275	3990	1100	15950	180	0.59
2SMR-12	19	3/4	19	29.3	215	3120	850	12325	240	0.86
2SMR-16	25	1	25.4	38.1	165	2395	650	9425	300	1.28
2SSC-04	6	1/4	6.4	15	400	5800	1600	23200	100	0.33
2SSC-06	10	3/8	9.5	19	330	4785	1320	19140	125	0.50
2SSC-08	12	1/2	12.7	22.2	275	3990	1100	15950	180	0.59
2SSC-12	19	3/4	19	29.3	215	3120	850	12325	240	0.86
2SSC-16	25	1	25.4	38.1	165	2395	650	9425	300	1.28

*4SP, 4SH, R13 & R15 High Abrasion Hose also available on request



African
Hose
Solutions

435 Hydraulic Brake Hose

SAE J 1401 HYDRAULIC BRAKE HOSE

HOSE CONSTRUCTION

INNER TUBE

Hydraulic Brake Fluid Resistant
Special Synthetic Rubber

REINFORCEMENT

High Tensile Synthetic Textile

COVER

Abrasion, Ozone and Weather Resistant
Special Synthetic Rubber

TEMPERATURE RANGE

(MEDIUM) -45°C to +80°C

APPLICATION

In Automotive Hydraulic Brake Systems

SAFETY FACTOR

2:1



BRANDING

HYDRAULIC BRAKE HOSE SAE J 1401 1/8" BP 7000 PSI – DOT – MADE IN EUROPE

Part No.	Hose Size		I.D.		O.D.		Working Press		Burst Press		Weight
	mm	inch	mm	mm	mm	mm	bar	psi	bar	psi	kg/m
435-0300	3.2	1/8	3.2	10.5	276	4002	490	7105	0.09		



African
Hose
Solutions