

Worldwide Connections



Rubber Hose

EURO
power

1SN



(Meets / Exceeds the requirements of EN 853, ISO 1436 & SAE 100R1AT)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
One high tensile steel wire braid

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

Medium pressure hydraulic oil lines
Water and water based fluid lines

Temperature Range

-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
1SN-03	3/16"	3,625	250	3.5	90
1SN-04	1/4"	3,260	225	3.9	100
1SN-05	5/16"	3,120	215	4.5	115
1SN-06	3/8"	2,610	180	5.1	130
1SN-08	1/2"	2,320	160	7.1	180
1SN-10	5/8"	1,885	130	7.9	200
1SN-12	3/4"	1,520	105	9.4	240
1SN-16	1"	1,275	88	11.8	300
1SN-20	1-1/4"	915	63	16.5	420
1SN-24	1-1/2"	725	50	19.7	500
1SN-32	2"	580	40	24.8	630

2SN



(Meets / Exceeds the requirements of EN 853, ISO 1436 & SAE 100R2AT)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Two high tensile steel wire braids

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

High pressure hydraulic oil lines
Water and water based fluid lines

Temperature Range

-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
2SN-03	3/16"	6,020	415	3.5	90
2SN-04	1/4"	5,800	400	3.9	100
2SN-05	5/16"	5,075	350	4.5	115
2SN-06	3/8"	4,785	330	5.1	130
2SN-08	1/2"	3,990	275	7.1	180
2SN-10	5/8"	3,625	250	7.9	200
2SN-12	3/4"	3,120	215	9.4	240
2SN-16	1"	2,390	165	11.8	300
2SN-20	1-1/4"	1,810	125	16.5	420
2SN-24	1-1/2"	1,305	90	19.7	500
2SN-32	2"	1,160	80	24.8	630

2ST



(Meets / Exceeds the requirements of EN 853, ISO 1436 & SAE 100R2A)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Two high tensile steel wire braids

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

High pressure hydraulic oil lines
Water and water based fluid lines

Temperature Range

-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
2ST-04	1/4"	5,800	400	3.9	100
2ST-05	5/16"	5,075	350	4.5	115
2ST-06	3/8"	4,785	330	5.1	130
2ST-08	1/2"	3,990	275	7.1	180
2ST-10	5/8"	3,625	250	7.9	200
2ST-12	3/4"	3,120	215	9.4	240
2ST-16	1"	2,390	165	11.8	300

EH111



(Meets / Exceeds the Requirements of EN857 1SC & ISO 11237 1SC)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
One high tensile steel wire braid

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

Medium pressure hydraulic oil lines where a tight bend radius is req'd
Water and water based fluid lines

Temperature Range

-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EH111-04	1/4"	4,205	290	1.6	40
EH111-06	3/8"	3,335	230	2.6	65
EH111-08	1/2"	2,900	200	3.1	80
EH111-10	5/8"	2,175	150	4.1	105
EH111-12	3/4"	1,810	125	4.7	120
EH111-16	1"	1,600	110	6.3	160

EH221



(Meets / Exceeds the Requirements of EN857 2SC & ISO 11237 2SC)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Two high tensile steel wire braids

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

High pressure hydraulic oil lines where a tight bend radius is req'd
Water and water based fluid lines

Temperature Range

-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EH221-04	1/4"	6,530	450	1.8	45
EH221-06	3/8"	5,515	380	2.8	70
EH221-08	1/2"	4,715	325	3.5	90
EH221-10	5/8"	4,205	290	5.1	130
EH221-12	3/4"	3,770	260	6.3	160
EH221-16	1"	2,755	190	8.3	210

EURO HIGH TEMP (EHT)



Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

One high tensile steel wire braid

Cover:

Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Medium pressure, high temperature oil lines, truck engine, compressors, oil and fuel services

Temperature Range

-40°C to +150°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EHT-04	1/4"	2,750	190	4.0	102
EHT-06	3/8"	2,250	155	5.0	127
EHT-08	1/2"	2,000	140	7.1	180
EHT-10	5/8"	1,500	105	8.9	226
EHT-12	3/4"	1,250	85	9.5	241
EHT-16	1"	1,000	70	12.0	305
EHT-20	1-1/4"	625	45	16.5	419
EHT-24	1-1/2"	500	35	20.0	508
EHT-32	2"	375	26	25.0	635

EUROPULSE



(Meets / Exceeds the Requirements of EN857 2SC & ISO 11237 2SC)

Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

Two high tensile steel wire braids

Cover:

Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications

High pressure hydraulic oil lines where a tight bend radius is required
Water and water based fluid lines

Temperature Range

-40°C to +100°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EUROPULSE-04	1/4"	5,800	400	3.0	75
EUROPULSE-05	5/16"	5,450	375	3.3	85
EUROPULSE-06	3/8"	5,075	350	3.5	90
EUROPULSE-08	1/2"	4,350	300	5.1	130
EUROPULSE-10	5/8"	4,000	275	6.7	170
EUROPULSE-12	3/4"	3,400	235	7.9	200
EUROPULSE-16	1"	2,675	185	9.8	250

EUROPULSE-BDB



(Meets / Exceeds the Requirements of EN857 2SC & ISO 11237 2SC)

Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

Two high tensile steel wire braids

Cover:

High abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

High pressure hydraulic oil lines where a tight bend radius is required. Assemblies which require high abrasion resistance &/or an MSHA cover.
Water & water based fluid lines

Temperature Range

-40°C to +100°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EUROPULSE-04-BDB	1/4"	5,800	400	3.0	75
EUROPULSE-06-BDB	3/8"	5,075	350	3.5	90
EUROPULSE-08-BDB	1/2"	4,350	300	5.1	130
EUROPULSE-10-BDB	5/8"	4,000	275	6.7	170
EUROPULSE-12-BDB	3/4"	3,400	235	7.9	200

R16



(Meets / Exceeds the Requirements of SAE 100R16 & ISO 11237 R16)

Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

Two high tensile steel wire braids

Cover:

Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

High pressure hydraulic oil lines where a tight bend radius is required
Water and water based fluid lines

Temperature Range

-40°C to +100°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R16-04	1/4"	5,000	345	2.0	50
R16-05	5/16"	4,250	293	2.2	55
R16-06	3/8"	4,000	276	2.6	65
R16-08	1/2"	3,500	241	3.5	90
R16-10	5/8"	2,750	190	3.9	100
R16-12	3/4"	2,250	155	4.7	120
R16-16	1"	2,000	138	5.9	150

R17



(Meets / Exceeds the Requirements of SAE 100R17 & ISO 11237 R17)

Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

1/4"-1/2" One high tensile steel wire braid
5/8"-1" Two high tensile steel wire braids

Cover:

Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Hydraulic systems which operate at or below 210 bar and require a tight bend radius
Water and water based fluid lines

Temperature Range

-40°C to +100°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R17-04	1/4"	3,000	210	2.0	50
R17-05	5/16"	3,000	210	2.2	55
R17-06	3/8"	3,000	210	2.6	65
R17-08	1/2"	3,000	210	3.5	90
R17-10	5/8"	3,000	210	3.9	100
R17-12	3/4"	3,000	210	4.7	120
R17-16	1"	3,000	210	5.9	150

174EHP-BDB



Construction

Tube:

Oil resistant synthetic rubber

Reinforcement:

Two high tensile steel wire braids

Cover:

High abrasion, ozone and weather resistant

MSHA approved cover as standard

Applications

BCC174 approved hose for mining applications
Water and water based fluid lines

Temperature Range

-40°C to +100°C.

Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
174EHP-04-BDB	1/4"	6,525	450	3.9	100
174EHP-06-BDB	3/8"	5,500	380	5.1	130
174EHP-08-BDB	1/2"	5,250	362	5.9	150
174EHP-12-BDB	3/4"	4,000	276	9.1	230
174EHP-16-BDB	1"	3,117	215	11.8	300
174EHP-24-BDB	1-1/2"	2,117	145	17.7	450

174 HOSE



Construction
Tube:
 Oil resistant synthetic rubber

Reinforcement:
 Two high tensile steel wire braids

Cover:
 Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications
 BCC174 approved hose for mining applications
 Water and water based fluid lines

Temperature Range
 -40°C to +100°C.
 Water & water-based fluids
 +70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
20K13	1-1/4"	2,500	172	15.0	380
32NCB	2"	1,625	112	23.6	600

EUROWASH PW1



(Meets / Exceeds the requirements of EN 853, ISO 1436 & SAE 100R1AT)

Construction
Tube:
 Synthetic rubber

Reinforcement:
 One high tensile steel wire braid

Cover:
 Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications
 Pressure washers using both hot and cold water with usual cleaning agents at the recommended concentration and application temperatures

Temperature Range
 Up to +150°C.

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EUROWASH-B-06-PW1	3/8"	3,000	210	5.0	127
EUROWASH-BL-06-PW1	3/8"	3,000	210	5.0	127

Where 'B' denotes 'Black' outer cover
 Where 'BL' denotes 'Blue' outer cover

EUROWASH PW2



(Meets / Exceeds the requirements of EN 853, ISO 1436 & SAE 100R2AT)

Construction
Tube:
 Synthetic rubber

Reinforcement:
 Two high tensile steel wire braids

Cover:
 Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover available on request

Applications
 Pressure washers using both hot and cold water with usual cleaning agents at the recommended concentration and application temperatures

Temperature Range
 Up to +150°C.

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
EUROWASH-B-06-PW2	3/8"	5,800	400	5.0	127
EUROWASH-BL-06-PW2	3/8"	5,800	400	5.0	127

Where 'B' denotes 'Black' outer cover
 Where 'BL' denotes 'Blue' outer cover

R4



(Meets / Exceeds the Requirements of SAE 100R4)

Construction
Tube:
 Oil resistant synthetic rubber

Reinforcement:
 Textile layers, steel wire helix

Cover:
 Abrasion, ozone and weather resistant synthetic rubber

Applications
 Suction and low pressure return lines using oil, water and water based fluids

Temperature Range
 -40°C to +100°C.
 Water & water-based fluids
 +70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R4-12	3/4"	300	21	5.0	127
R4-16	1"	250	17	6.0	152
R4-20	1-1/4"	200	14	8.0	203
R4-24	1-1/2"	150	10	10.0	254
R4-32	2"	100	7	12.0	305

R6



(Meets / Exceeds the Requirements of SAE 100R6)

Construction
Tube:
 Oil resistant synthetic rubber

Reinforcement:
 One layer textile braid

Cover:
 Abrasion, ozone and weather resistant synthetic rubber

Applications
 Low pressure hydraulic and pneumatic service lines

Temperature Range
 -40°C to +100°C.
 Water & water-based fluids
 +70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R6-04	1/4"	400	28	2.5	64
R6-05	5/16"	400	28	3.0	76
R6-06	3/8"	400	28	3.0	76
R6-08	1/2"	400	28	4.0	102
R6-10	5/8"	350	24	5.0	127
R6-12	3/4"	300	21	6.0	152

AIR BRAKE



(Meets / Exceeds the requirements of SAE J1402)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Textile layers

Cover:
Abrasion, ozone and weather resistant synthetic rubber

Applications

Air brake hose assemblies made from textile reinforced hose

Temperature Range
-40°C to +93°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
AB-06-G	3/8"	145	10	3.5	89
AB-08-G	1/2"	145	10	4.0	102

4SP



(Meets / Exceeds the requirements of EN 856 & ISO 3862)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Four plies high tensile steel wire spiral

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Pulsating pressure hydraulic applications greater than EN856 / SAE 100R12
Pressures up to and including 1" size equal to/greater than R9R

Temperature Range
-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
4SP-04	1/4"	7,250	500	5.9	150
4SP-06	3/8"	6,670	460	7.1	180
4SP-08	1/2"	6,380	440	9.1	230
4SP-10	5/8"	5,800	400	9.8	250
4SP-12	3/4"	5,510	380	11.8	300
4SP-16	1"	4,715	325	13.4	340
4SP-20	1-1/4"	3,480	240	18.1	460
4SP-24	1-1/2"	3,045	210	22.0	560
4SP-32	2"	2,393	165	26.0	660

R12T



(Meets / Exceeds the requirements of EN856, SAE100R12 & ISO 3862)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Four plies high tensile steel wire spiral

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Pulsating pressure hydraulic applications which operate at temperatures up to 121°C

Temperature Range
-40°C to +121°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R12T-06	3/8"	4,000	276	5.1	130
R12T-08	1/2"	4,000	276	7.1	180
R12T-10	5/8"	4,000	276	7.9	200
R12T-12	3/4"	4,000	276	9.4	240
R12T-16	1"	4,000	276	11.8	300
R12T-20	1-1/4"	3,000	207	16.5	420
R12T-24	1-1/2"	2,500	172	19.7	500
R12T-32	2"	2,500	172	24.8	630

4SH



(Meets / Exceeds the requirements of EN856 & ISO 3862)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
Four plies high tensile steel wire spiral

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Pulsating pressure hydraulic applications greater than 4SP

Temperature Range
-40°C to +100°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
4SH-12	3/4"	6,090	420	11.0	280
4SH-16	1"	5,500	380	13.4	340
4SH-20	1-1/4"	4,700	325	18.1	460
4SH-24	1-1/2"	4,200	290	22.0	560
4SH-32	2"	3,625	250	27.6	700

R13



Meets / Exceeds the requirements of EN856, SAE100R13 & ISO 3862)

Construction

Tube:
Oil resistant synthetic rubber

Reinforcement:
3/4" & 1" Four plies high tensile steel wire spiral
1-1/4" - 2" Six plies high tensile steel wire spiral

Cover:
Abrasion, ozone and weather resistant synthetic rubber

MSHA approved cover as standard

Applications

Pulsating pressure hydraulic applications requiring flexibility, superior strength and high temperature

Temperature Range
-40°C to +121°C.
Water & water-based fluids
+70°C max

Hose Type	Nominal Inside Diameter	Working Pressure		Bend Radius	
		psi	bar	in	mm
R13-12	3/4"	5,000	345	9.4	240
R13-16	1"	5,000	345	11.8	300
R13-20	1-1/4"	5,000	345	16.5	420
R13-24	1-1/2"	5,000	345	19.7	500
R13-32	2"	5,000	345	24.8	630

Notes:

For correct insert / ferrule combinations please refer to the latest revision of the Europower Swaging Document
Hoses may be capable of working at below the above published minimum bend radius at a reduced working pressure

The following options are available on application and maybe subject to minimum order quantities - please contact Europower Sales department with your request:

- Pin-pricking of hose
- Special hose branding
- Special length requirements
- BDB cover available on request - hose with this must not go below minimum bend radius irrespective of working pressure

Worldwide Connections

Worldwide OEM Connections

VOLVO

KOMATSU

CNH

AGCO

INGERSOLL RAND

SCANIA

JCB

ACTUANT (ENERPAC)

MCCORMICK

CATERPILLAR

GOODYEAR



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