



A COMPLETE PRODUCT RANGE OF HYDRAULIC HOSES
SOLUTION FOR ALL HEAVY EQUIPMENTS



HYDRAULIC HOSES

DESCRIPTION	HOSE STRUCTURE	NORM	KEY PERFORMANCE	PAGE
BRAID1SN	Wire braided	EN 853-1SN, SAE 100-R1AT	Standard hydraulic applications	1
BRAID2SN	Wire braided	EN 853-2SN, SAE 100-R2AT	Standard hydraulic applications	2
SPIRAL4SP	Wire spiralled	EN 856-4SP, ISO 3862-4SP	Abrasion, weather & heat resistance	3
SPIRAL4SH	Wire spiralled	EN 856-4SH, ISO 3862-4SH	Abrasion, weather & heat resistance	4
ISO4000	Wire spiralled	ISO 3862-R12, EN 856-R12, ISO 3862-4SH, EN 856-4SH	Extreme flexibility	5
ISO5000	Wire spiralled	ISO 3862-R13, EN 856-R13	Extreme flexibility	6
ISO6000	Wire spiralled	ISO 3862-R15, EN 856-R15	Extreme flexibility	7
HERCULES DIEHARD	Wire spiralled	ISO 18752-D, SAE J517-R15	Heavy duty for giant equipment	8
JACK MASTER	Wire braided	EN 853-2SN, SAE 100-R2AT	Standard hydraulic applications	9
FIRE MASTER	Wire braided	EN 853-1SN, ISO 1836-1SN	Standard hydraulic applications	10
COVER R5	Wire braided	SAE 100-R5	Standard hydraulic applications	11
MULTITEX	Textile braided	SAE 100-R6, EN 854-R6	High flexibility	12
MULTIPURPOSE	Textile cords	-	General industrial applications	13
OIL SUCTION & DISCHARGE	Synthetic Fabric & Helix Wire	-	General industrial applications	14
SPIRAL GUARD	-	-	-	15
SPRING GUARD	-	-	-	16
CRIMPING CHART	-	-	-	17

BRAID MASTER 1SN



ABRASION, WEATHER & HEAT RESISTANCE

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA															
															
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
03-BRAID1SN	-3	5	3/16	9.5	0.37	11.5	0.45	250	3620	1000	14500	90	0.19	0T2000	003400
04-BRAID1SN	-4	6	1/4	11.2	0.44	13.2	0.52	225	3260	900	13050	100	0.23	0T2000	003400
05-BRAID1SN	-5	8	5/16	12.8	0.50	14.8	0.58	215	3110	850	12320	115	0.27	0T2000	003400
06-BRAID1SN	-6	10	3/8	15.1	0.59	17.1	0.67	180	2610	720	10440	125	0.34	0T2000	003400
08-BRAID1SN	-8	12	1/2	18.1	0.71	20.1	0.79	160	2320	640	9280	180	0.42	0T2000	003400
10-BRAID1SN	-10	16	5/8	21.3	0.84	23.3	0.92	130	1880	520	7540	200	0.51	0T2000	003400
12-BRAID1SN	-12	19	3/4	25.3	1.00	27.3	1.07	105	1520	420	6090	240	0.63	0T2000	003400
16-BRAID1SN	-16	25	1	33.1	1.30	35.1	1.38	88	1270	350	5070	300	0.95	0T2000	003400
20-BRAID1SN	-20	31	1.1/4	40.6	1.60	43.3	1.70	63	910	250	3620	420	1.3	0T2000	003400
24-BRAID1SN	-24	38	1.1/2	47	1.85	49.7	1.96	50	720	200	2900	500	1.6	0T2000	003400
32-BRAID1SN	-32	51	2	60.4	2.38	63.1	2.48	40	580	160	2320	630	2.2	0T2000	003400
40-BRAID1SN	-40	64	2.1/2	72.2	2.84	74.9	3.03	50	720	200	2900	760	2.7	0T2000	003400

Main Application

Low-medium pressure lines, including mobile, machine tool and agriculture application (ie. Tractor), Using petroleum or water-based hydraulic fluids.

Applicable Specs

EN 853-1SN , SAE 100-R1AT , ISO 1436-1SN/R1AT

Temperature Range

-40°F / +212°F ; -40°C / +100°C

Inner Tube

Oil resistance synthetic rubber

Reinforcement

One high tensile steel braid

Cover

Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval

Optional Features

Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C) - 1SN AGRO (designed specifically for agricultural machinery)

Flame Resistance

U.S MSHA Approved & CHN MA Approved.

Marking

DIN EN 853 R1AT-16 (1") DN25 MAX WP - 88 BAR / 1270 PSI MSHA

BRAID MASTER 2SN



ABRASION, WEATHER & HEAT RESISTANCE

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA															
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
03-BRAID2SN	-3	5	3/16	11.3	0.44	13.3	0.52	415	6010	1650	23920	90	0.27	0T2000	003400
04-BRAID2SN	-4	6	1/4	12.7	0.50	14.7	0.58	400	5800	1600	23200	100	0.34	0T2000	003400
05-BRAID2SN	-5	8	5/16	14.3	0.56	16.3	0.64	350	5070	1400	20300	115	0.39	0T2000	003400
06-BRAID2SN	-6	10	3/8	16.7	0.66	18.7	0.74	330	4780	1320	19140	125	0.49	0T2000	003400
08-BRAID2SN	-8	12	1/2	19.8	0.78	21.8	0.86	275	3980	1100	15950	180	0.59	0T2000	003400
10-BRAID2SN	-10	16	5/8	23.0	0.91	25.0	0.98	250	3620	1000	14500	205	0.71	0T2000	003400
12-BRAID2SN	-12	19	3/4	27.0	1.06	29.0	1.14	215	3110	860	12470	240	0.89	0T2000	003400
16-BRAID2SN	-16	25	1	34.8	1.37	36.8	1.45	165	2390	660	9570	300	1.37	0T2000	003400
20-BRAID2SN	-20	31	1 1/4	44.3	1.74	47.0	1.85	125	1810	500	7250	420	2.27	0T2000	003400
24-BRAID2SN	-24	38	1 1/2	50.7	2.00	53.4	2.10	90	1300	360	5220	500	2.44	0T2000	003400
32-BRAID2SN	-32	51	2	63.5	2.50	66.2	2.61	80	1160	320	4640	630	2.7	0T2000	003400
40-BRAID2SN	-40	64	2 1/2	75.2	2.96	79.8	3.14	70	1015	280	4060	760	3.47	0T2000	003400

Main Application

Medium-high pressure lines, including construction, machine tool and agriculture application, Using petroleum or water-based hydraulic fluids.

Applicable Specs

EN 853-2SN , SAE 100-R2AT , ISO 1436-2SN

Temperature Range

-40°F / +212°F ; -40°C / +100°C

Inner Tube

Oil resistance synthetic rubber.

Reinforcement

Two high tensile steel braids.

Cover

Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval

Optional Features

Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C) - 2SN AGRO (designed specifically for agricultural machinery)

Flame Resistance

U.S MSHA Approved & CHN MA Approved.

Marking

DIN EN 853 R2AT-16 (1") DN25 MAX WP - 165 BAR / 2390 PSI MSHA

BRAID-MASTER

SPIRAL MASTER 4SP



ABRASION, WEATHER & HEAT RESISTANCE

APPLICATIONS:



TECHNICAL DATA															
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
06-SPIRAL4SP	-6	10	3/8	17.6	0.69	21.0	0.83	445	6450	1780	25810	180	0.78	0T2000	000910
08-SPIRAL4SP	-8	12	1/2	20.3	0.80	24.2	0.96	415	6010	1660	24070	230	0.89	0T2000	000910
10-SPIRAL4SP	-10	16	5/8	23.8	0.94	27.6	1.09	350	5070	1400	20300	250	1.11	0T2000	000910
12-SPIRAL4SP	-12	19	3/4	28.2	1.11	31.7	1.25	350	5070	1400	20300	300	1.59	0T2000	000920
16-SPIRAL4SP	-16	25	1	35.0	1.38	39	1.54	280	4060	1120	16240	340	2.02	0T7000	000930
20-SPIRAL4SP	-20	31	1 1/4	46.1	1.81	49.7	1.96	210	3040	840	12180	460	3.32	0T7000	000920
24-SPIRAL4SP	-24	38	1 1/2	52.4	2.06	56.1	2.21	185	2680	740	10730	560	3.7	0T7000	000910
32-SPIRAL4SP	-32	51	2	65.4	2.57	69.0	2.72	165	2390	660	9572	660	5.47	0T7000	000910

Main Application	Very high-pressure applications used for petroleum based hydraulic fluids.
Applicable Specs	EN 856-4SP , ISO 3862-4SP
Temperature Range	-40°F / +212°F ; -40°C / +100°C
Inner Tube	Oil resistance synthetic rubber.
Reinforcement	Four high tensile steel spiral.
Cover	Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval
Optional Features	Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C)
Flame Resistance	U.S MSHA Approved & CHN MA Approved.
Marking	HARTEX DIN EN 856 R4SP-16 (1") DN25 MAX WP - 280 BAR / 4060 PSI MSHA

SPIRAL MASTER 4SH



ABRASION, WEATHER & HEAT RESISTANCE

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA																
																
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS		
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE	
12-SPIRAL4SH	-12	19	3/4	28.2	1.11	31.9	1.26	420	6090	1680	24360	280	1.55	0T7000	001500	
16-SPIRAL4SH	-16	25	1	35.1	1.38	38.1	1.50	380	5510	1520	22040	340	2.00	0T7000	001500	
20-SPIRAL4SH	-20	31	1.1/4	42.2	1.66	45.0	1.77	325	4714	1300	18855	460	2.46	0T7000	001500	
24-SPIRAL4SH	-24	38	1.1/2	49.1	1.93	53.1	2.09	290	4205	1160	16820	560	3.36	0T7000	001500	
32-SPIRAL4SH	-32	51	2	63.5	2.50	67.5	2.66	250	3650	1000	15600	700	4.98	0T7000	001500	

Main Application	Very high-pressure applications used for petroleum based hydraulic fluids.
Applicable Specs	EN 856-4SH , ISO 3862-4SH
Temperature Range	-40°F / +212°F ; -40°C / +100°C
Inner Tube	Oil resistance synthetic rubber.
Reinforcement	Four high tensile steel spiral.
Cover	Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval
Optional Features	Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C)
Flame Resistance	U.S MSHA Approved & CHN MA Approved.
Marking	HARTEX DIN EN 856 R4SH-16 (1") DN25 MAX WP - 380 BAR / 5510 PSI MSHA

ISOBARIC MASTER 4000



COMPACTNESS AND FLEXIBILITY

APPLICATIONS:



TECHNICAL DATA															
															
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
06-ISO4000	-6	10	3/8	17.3	0.68	20.0	0.79	280	4100	1120	16400	60	0.6	0T2000	000910
08-ISO4000	-8	12	1/2	20.4	0.80	23.5	0.93	280	4100	1120	16400	90	0.8	0T2000	000910
10-ISO4000	-10	16	5/8	24.4	0.96	27.1	1.07	280	4100	1120	16400	100	1.15	0T2000	000910
12-ISO4000	-12	19	3/4	27.4	1.08	30.4	1.20	280	4100	1120	16400	120	1.25	0T2000	000920
16-ISO4000	-16	25	1	35.0	1.38	37.6	1.48	280	4100	1120	16400	150	1.85	0T2000	000930
20-ISO4000	-20	31	1 1/4	42.2	1.66	45.0	1.77	280	4100	1120	16400	210	2.46	0T2000	001500
24-ISO4000	-24	38	1 1/2	49.1	1.93	53.1	2.09	280	4100	1120	16400	330	3.36	0T7000	001500
32-ISO4000	-32	51	2	63.5	2.50	67.5	2.66	280	4100	1120	16400	400	4.98	0T7000	001500

Main Application	Very high-pressure applications used for petroleum based hydraulic fluids.
Applicable Specs	ISO 3862-R12 , EN 856-R12 , ISO 3862-4SH , EN 856-4SH , SAE 100R12
Temperature Range	-40°F / +250°F ; -40°C / +121°C
Inner Tube	Oil resistance synthetic rubber.
Performance	Meet or Exceeds the performance requirements of: DN10-25 , ISO 3862-R12 , EN 856-R12 DN32-51 , ISO 3862-4SH , EN 856-4SH
Reinforcement	Four high tensile steel spiral
Cover	Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval
Optional Features	Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C)
Flame Resistance	U.S MSHA Approved & CHN MA Approved.
Marking	 HARTEX  ISO4000-16 (1") DN25 MAX WP - 280 BAR / 4100 PSI MSHA ISOBARIC- MASTER

ISOBARIC MASTER 5000



COMPACTNESS AND FLEXIBILITY

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA															
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
06-ISO5000	-6	10	3/8	17.6	0.69	21.0	0.83	350	5100	1400	20400	60	0.78	0T2000	000910
08-ISO5000	-8	12	1/2	20.3	0.80	24.2	0.96	350	5100	1400	20400	90	0.89	0T2000	000910
10-ISO5000	-10	16	5/8	23.8	0.94	27.6	1.09	350	5100	1400	20400	100	1.11	0T2000	000910
12-ISO5000	-12	19	3/4	28.2	1.11	31.7	1.25	350	5100	1400	20400	120	1.59	0T2000	000920
16-ISO5000	-16	25	1	35.1	1.38	38.4	1.51	350	5100	1400	20400	150	2.08	0T7000	001500
20-ISO5000	-20	31	1 1/4	46.3	1.82	49.3	1.94	350	5100	1400	20400	210	3.57	0T7000	001500
24-ISO5000	-24	38	1 1/2	53.7	2.11	57.3	2.26	350	5100	1400	20400	330	4.58	0T7000	001500
32-ISO5000	-32	51	2	68.0	2.68	71.6	2.82	350	5100	1400	20400	400	6.88	0T7000	001500

Main Application

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

Applicable Specs

ISO 3862-R13 , EN 856-R13

Temperature Range

-40°F / +250°F ; -40°C / +121°C

Inner Tube

Oil resistance synthetic rubber.

Reinforcement

Four high tensile steel spirals (DN19-25), Six high tensile steel spirals (DN31-51)

Cover

Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval

Optional Features

Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C)

Flame Resistance

U.S MSHA Approved & CHN MA Approved.

Marking

ISO5000-16 (1") DN25 MAX WP - 350 BAR / 5100 PSI MSHA ISOBARIC- MASTER

ISOBARIC MASTER 6000



COMPACTNESS AND FLEXIBILITY

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA																
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS		
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE	
06-ISO6000	-6	10	3/8	17.6	0.69	21.0	0.83	420	6100	1680	24400	75	0.78	0T2000	000910	
08-ISO6000	-8	12	1/2	20.3	0.80	24.2	0.96	420	6100	1680	24400	100	0.89	0T2000	000910	
12-ISO6000	-12	19	3/4	28.2	1.11	32.0	1.26	420	6100	1680	24400	115	1.65	0T7000	001500	
16-ISO6000	-16	25	1	35.1	1.38	38.4	1.51	420	6100	1680	24400	165	2.29	0T7000	001500	
20-ISO6000	-20	31	1 1/4	46.3	1.82	49.3	1.94	420	6100	1680	24400	220	3.97	0T7000	001500	
24-ISO6000	-24	38	1 1/2	53.7	2.11	57.3	2.26	420	6100	1680	24400	350	4.72	0T6000	001600	
32-ISO6000	-32	51	2	68.9	2.71	71.5	2.81	420	6100	1680	24400	400	7.10	0T6000	001600	

Main Application	Design specifically to handle severe high pressure applications where pressure or constant hydrostatic loads are present
Applicable Specs	ISO 3862-R15 , EN 856-R15
Temperature Range	-40°F / +250°F ; -40°C / +121°C
Inner Tube	Oil resistance synthetic rubber.
Reinforcement	Four high tensile steel spirals (DN10-19), Six high tensile steel spirals (DN25-51)
Cover	Synthetic rubber with high abrasion, ozone and weather resistance, Fire resistance with MSHA approval
Optional Features	Extreme Abrasion resistant UHMWPE Cover - High temperature (up to 200°C) - Low temperature (down to -50°C)
Flame Resistance	U.S MSHA Approved & CHN MA Approved.
Marking	ISO6000-16 (1") DN25 MAX WP - 420 BAR / 6100 PSI MSHA ISOBARIC- MASTER



HEAVY DUTY FOR GIANT EQUIPMENT

APPLICATIONS:



TECHNICAL DATA																
																
PART NUMBER	I.D.			R.O.D.			O.D.			MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M			
24-HD6000	-24	38	1.1/2	55.2	2.17	58.7	2.31	420	6090	1680	24360	450	5.19			002700-24
32-HD6000	-32	51	2	68.9	2.71	72.4	2.85	420	6090	1680	24360	500	7.26			002700-32

Main Application	High pressure power lines for general hydraulics, Heavy duty power lines, Hump hoses on giant excavators, Long durability due to special tube compound.
Applicable Specs	ISO 18752-D , SAE J517-R15
Temperature Range	-50°F / +275°F ; -46°C / +135°C
Inner Tube	Oil resistance synthetic rubber.
Reinforcement	Six high tensile steel wire spirals
Cover	Synthetic rubber with high abrasion, ozone, weather and heat resistance
Optional Features	Good flexibility across the whole temperature range, Easy mounting in any installation, Isobaric pressure rating for easy selection and product management.
Flame Resistance	U.S MSHA Approved & CHN MA Approved.
Marking	 HARTEX  HD6000-32 (2") DN51 MAX WP - 420 BAR / 6100 PSI MSHA - ITALY HERCULES DIEHARD

JACK MASTER 2SN



EXTREME STATIC PRESSURE

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA

													
PART NUMBER	I.D			O.D		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS	
PN	DASH	DN	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE
04-2SNJM	-4	6	1/4	15.0	0.59	725	10500	1450	21000	100	0.39	0T2000	003400
06-2SNJM	-6	10	3/8	19.0	0.75	700	10000	1400	20000	125	0.55	0T2000	003400
08-2SNJM	-8	12	1/2	22.2	0.87	552	8000	1104	16000	178	0.65	0T2000	003400

Main Application

Very high pressure hydraulic lines 520 to 700 bar. Compact high pressure, light weight, high abrasion resistance and low change in length for use with petroleum

Applicable Specs

SAE 100-R2AT , ISO 1436-2SN , EN 853-2SN

Temperature Range

-40°F / +212°F ; -40°C / +100°C

Inner Tube

Oil resistance synthetic rubber.

Reinforcement

Two high tensile steel braids.

Cover

Smooth Synthetic rubber with high abrasion, ozone and weather resistance.

Marking

HARTEX DIN EN 853 R2AT-8 (1/2") DN12 MAX WP - 552 BAR / 8000 PSI MSHA

JACK-MASTER

FIRE MASTER 1SN



FIRE SUPPRESSION SYSTEMS

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA																
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS		
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE	
04-1SNFSS	-4	6	1/4	11.0	0.43	13.0	0.51	225	3260	900	13050	100	0.22	0T2000	003400	
06-1SNFSS	-6	10	3/8	15.0	0.59	17.0	0.67	180	2610	720	10440	127	0.32	0T2000	003400	
08-1SNFSS	-8	12	1/2	18.1	0.71	20.1	0.79	160	2320	640	9280	178	0.41	0T2000	003400	
12-1SNFSS	-12	19	3/4	25.3	1.00	27.9	1.10	105	1520	420	6090	240	0.66	0T2000	003400	
16-1SNFSS	-16	25	1	33.1	1.30	35.7	1.41	88	1270	350	5070	300	0.98	0T2000	003400	

Main Application

Use in fire suppression systems of off-road vehicles, mining equipment, stationary engines. the hose present red cover for easy identification in the fire suppression system

Applicable Specs

EN 853-1SN , ISO 1436-1SN

Temperature Range

-40°F / +212°F ; -40°C / +100°C

Inner Tube

Oil resistance synthetic rubber

Reinforcement

One high tensile steel braid

Cover

Red synthetic rubber with high ozone, abrasion and weather

Optional Features

Flame retardant red cover, Excellent performance for standard hydraulic applications, Embossed indeleble branding

Flame Resistance

U.S MSHA Approved & CHN MA Approved.

Marking

FIRE MASTER-16 (1") DN25 MAX WP - 88 BAR / 1270 PSI MSHA

COVER R5



INTEGRATED, RELIABLE HOSE ASSEMBLY

APPLICATIONS:



TECHNICAL DATA																
																
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS		
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE	
04-S100R5	-4	5	3/16	-	-	13.2	0.52	210	3040	840	12180	75	0.24	0T4000	000310	
05-S100R5	-5	6	1/4	-	-	14.8	0.58	210	3040	840	12180	85	0.29	0T4000	000310	
06-S100R5	-6	8	5/16	-	-	17.1	0.67	157	2270	630	9130	100	0.36	0T4000	000310	
08-S100R5	-8	10	13/32	-	-	19.4	0.76	140	2030	560	8120	115	0.48	0T4000	000310	
10-S100R5	-10	12	1/2	-	-	23.3	0.92	122	1760	490	7100	140	0.55	0T4000	000310	
12-S100R5	-12	16	5/8	-	-	27.3	1.07	105	1520	420	6090	165	0.65	0T4000	000310	
16-S100R5	-16	22	7/8	-	-	31.2	1.23	56	810	224	3240	185	0.69	0T4000	000310	
20-S100R5	-20	28	1 1/8	-	-	38.0	1.50	43	620	175	2530	230	0.84	0T4000	000310	
24-S100R5	-24	35	1 3/8	-	-	44.3	1.74	35	500	140	2030	265	1.03	0T4000	000310	
32-S100R5	-32	46	1 13/16	-	-	56.1	2.21	24	340	98	1420	335	1.32	0T4000	000310	
40-S100R5	-40	61	2 3/8	-	-	73.0	2.87	24	340	97	1400	610	2.96	0T4000	000310	
48-S100R5	-48	76	3	-	-	90.5	3.56	14	200	55	800	840	4	0T4000	000310	

Main Application	Low-Medium pressure lines, general purpose applications.
Applicable Specs	SAE 100-R5
Temperature Range	-40°F / +212°F ; -40°C / +100°C
Inner Tube	Oil resistance synthetic rubber.
Reinforcement	One high tensile steel braid.
Cover	Impregnation of the outer textile braid with environment resistant synthetic rubber.
Marking	 COVER R5-16 (7/8") DN22 MAX WP - 56 BAR / 810 PSI MSHA

MULTITEX BIODIESEL R6



INTEGRATED, RELIABLE HOSE ASSEMBLY

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA																
																
PART NUMBER	I.D.			R.O.D.		O.D.		MAX W.P.		MIN B.P.		MIN B.R.	WEIGHT	FITTINGS		
PN	DASH	DN	INCH	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	KG/M	1 PIECE	2 PIECE	
03-MTTXR6	-3	5	3/16"	0.0	0.00	11.0	0.43	35	500	140	2030	35	0.09	0T4000	000820	
04-MTTXR6	-4	6	1/4"	0.0	0.00	12.6	0.50	30	430	120	1740	45	0.11	0T4000	000830	
05-MTTXR6	-5	8	5/16"	0.0	0.00	14.1	0.56	30	430	120	1740	65	0.14	0T4000	000830	
06-MTTXR6	-6	10	3/8"	0.0	0.00	15.8	0.62	30	430	120	1740	75	0.16	0T4000	000820	
08-MTTXR6	-8	12	1/2"	0.0	0.00	19.4	0.76	30	430	120	1740	90	0.21	0T4000	000820	
10-MTTXR6	-10	16	5/8"	0.0	0.00	23.0	0.91	30	430	120	1740	115	0.29	0T4000	000820	
12-MTTXR6	-12	19	3/4"	0.0	0.00	26.0	1.02	30	430	120	1740	140	0.32	0T4000	000820	
16-MTTXR6	-16	25	1"	0.0	0.00	32.0	1.26	30	430	120	1740	150	0.40	0T4000	000820	

Main Application

Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils aqueous emulsion, water

Applicable Specs

SAE 100-R6, EN 854-R6/1TE, ISO 4079-R6/1TE

Temperature Range

-40°F / +257°F ; -40°C / +125°C

Inner Tube

Oil resistance synthetic rubber.

Reinforcement

One high resistance textile braid

Cover

Weather resistant synthetic rubber

Optional Features

High flexibility, wide range of fluid compatibility

Flame Resistance

U.S MSHA Approved & CHN MA Approved.

Marking

MULTITEX-16 BIODIESEL EN 854-R6 DN25-16 1" WP 30 bar 430 PSI

MULTIPURPOSE



INTEGRATED, RELIABLE HOSE ASSEMBLY

APPLICATIONS:



Engineering Machinery



Road Machinery



Ship Machinery



Construction Machinery



Agricultural Machinery



Mining Equipments



Port Handling Equipment



Oil & Gas Equipment



Forestry Equipments

TECHNICAL DATA

													
PART NUMBER	I.D			O.D		MAX W.P.		MIN B.R.		WEIGHT		FITTINGS	
PN	DASH	DN	INCH	MM	INCH	BAR	PSI	MM	INCH	KG/M	LB/FT	1 PIECE	2 PIECE
04-MULP20B	-4	6	1/4	13	0.51	20	300	48	2.00	0.140	0.095	0T4000	000830
05-MULP20B	-5	8	5/16	15	0.59	20	300	64	2.50	0.170	0.115	0T4000	000830
06-MULP20B	-6	10	3/8	17	0.67	20	300	80	3.00	0.205	0.140	0T4000	000820
08-MULP20B	-8	12	1/2	21	0.83	20	300	104	4.00	0.275	0.185	0T4000	000820
10-MULP20B	-10	16	5/8	25	0.98	20	300	128	5.00	0.375	0.225	0T4000	000820
12-MULP20B	-12	19	3/4	29	1.14	20	300	152	6.00	0.505	0.340	0T4000	000820
16-MULP20B	-16	25	1	35	1.38	20	300	200	8.00	0.627	0.421	0T4000	000820

Main Application

Compressed air, water, fuel and oil delivery in general industrial applications

Safety Factor

3 : 1

Temperature Range

+14°F / +140°F ; -10°C / +60°C

Inner Tube

Black Synthetic elastomer

Reinforcement

One high tensile textile cords

Cover

Red synthetic elastomer with longitudinal blue stripes - abrasion, ozone and hydrocarbon resistant

Marking

HARTEX MULTIPURPOSE-16 (1") MAX WP - 20 BAR / 300 PSI

OIL SUCTION & DISCHARGE



INTEGRATED, RELIABLE HOSE ASSEMBLY

APPLICATIONS:

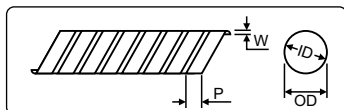


TECHNICAL DATA													
													
PART NUMBER	I.D			O.D		MAX W.P.		MIN B.R.		WEIGHT		FITTINGS	
PN	DASH	DN	INCH	MM	INCH	BAR	PSI	MM	INCH	KG/M	LB/FT	1 PIECE	2 PIECE
12-OSD150	12	19	3/4	29	1.14	10	150	100	4	0.60	0.40	-	-
16-OSD150	16	25	1	37	1.38	10	150	150	6	0.75	0.50	-	-
20-OSD150	20	31	1.1/4	43	1.65	10	150	200	8	0.95	0.64	-	-
24-OSD150	24	38	1.1/2	50	1.89	10	150	250	10	1.10	0.74	-	-
32-OSD150	32	51	2	63	2.40	10	150	300	12	1.41	0.95	-	-
40-OSD150	40	64	2.1/2	78	2.94	10	150	400	16	2.00	1.34	-	-
48-OSD150	48	76	3	90	3.48	10	150	500	20	2.53	1.70	-	-
56-OSD150	56	89	3.1/2	105	4.04	10	150	600	24	3.30	2.21	-	-
64-OSD150	64	102	4	118	4.61	10	150	700	28	4.20	2.82	-	-
80-OSD150	80	127	5	145	5.69	10	150	1000	39	6.19	4.16	-	-
96-OSD150	96	152	6	172	6.68	10	150	1200	47	7.58	5.09	-	-
128-OSD150	128	203	8	223	8.87	10	150	1600	63	12.23	8.21	-	-
160-OSD150	160	254	10	283	10.93	10	150	2000	79	18.58	12.47	-	-
192-OSD150	192	305	12	341	13.14	10	150	2750	108	27.71	18.60	-	-
224-OSD150	224	356	14	391	15.40	10	150	3750	147	35.81	23.20	-	-

Main Application	Tank Truck, In-Plant Operation to transfer gasoline, Oil & Petroleum base Product
Safety Factor	-
Temperature Range	-20°F / +180°F ; -30°C / +80°C
Inner Tube	Black Nitrile synthetic rubber RMA class A (High Oil Resistance)
Reinforcement	Spiral-plyed synthetic fabric with helix wire
Cover	Black abrasion, oil, weather & ozone resistant rubber (Flat Cover)
Marking	 HARTEX 1-1/4" OIL SUCTION & DISCHARGE WP 150 PSI - ITALY TECHNOLOGY



INTEGRATED, RELIABLE HOSE PROTECTION



Mainly used in the protection of hydraulic hose, pressure pipe and cable products. Through adding spiral wrap on the outside of the product, it has comprehensively improved the performance of wear-resisting, insulation, oil resistant and flame retardant, resistance to ultraviolet radiation, thus increased the service life of the product, and can have sorting, beautification effect.

Firstly fix an end of the spiral tube with the protection belt, then circle and tighten according to clockwise.

DATA SHEET

Part Number	Wrapping Range OD (mm)	Inside Diameter ID (mm)	Wall Thickness (W)	Screw Pitch (P)	Applicable Product Size	Color
SGHDPEB-09	8.0 ± 1	6.0 ± 1	1.2 ± 1	7.0 ± 1	6 - 9	BLACK
SGHDPEB-12	12.0 ± 1	9.6 ± 1	1.2 ± 0.15	10.5 ± 1	9 - 13	BLACK
SGHDPEB-1B	16.0 ± 1	13.4 ± 1	1.3 ± 0.15	12 ± 1	13 - 18	BLACK
SGHDPEB-20	20.0 ± 1	16.0 ± 1	2.0 ± 0.15	15 ± 1	16 - 22	BLACK
SGHDPEB-25	25.0 ± 2	20.6 ± 2	2.2 ± 0.15	17 ± 1	20 - 27	BLACK
SGHDPEB-32	32.0 ± 2	27.0 ± 2	2.5 ± 0.25	22 ± 1	27 - 36	BLACK
SGHDPEB-40	40.0 ± 2	34.6 ± 2	2.7 ± 0.30	24 ± 1	34 - 44	BLACK
SGHDPEB-50	48.5 ± 3	41.5 ± 3	3.4 ± 0.30	30 ± 1	43 - 55	BLACK
SGHDPEB-63	62.6 ± 3	56.0 ± 3	3.7 ± 0.30	37 ± 2	55 - 67	BLACK
SGHDPEB-75	75.0 ± 4	66.2 ± 4	4.4 ± 0.30	42 ± 2	66 - 80	BLACK
SGHDPEB-90	90.0 ± 5	80.2 ± 5	4.9 ± 0.30	45 ± 2	80 - 90	BLACK
SGHDPEB-110	110.0 ± 6	99.0 ± 6	5.5 ± 0.30	50 ± 3	99 - 115	BLACK
SGHDPEB-125	125.0 ± 6	113.2 ± 6	5.9 ± 0.40	52 ± 3	113 - 130	BLACK
SGHDPER-09	8.0 ± 1	6.0 ± 1	1.2 ± 1	7.0 ± 1	6 - 9	RED
SGHDPER-12	12.0 ± 1	9.6 ± 1	1.2 ± 0.15	10.5 ± 1	9 - 13	RED
SGHDPER-1B	16.0 ± 1	13.4 ± 1	1.3 ± 0.15	12 ± 1	13 - 18	RED
SGHDPER-20	20.0 ± 1	16.0 ± 1	2.0 ± 0.15	15 ± 1	16 - 22	RED
SGHDPER-25	25.0 ± 2	20.6 ± 2	2.2 ± 0.15	17 ± 1	20 - 27	RED
SGHDPER-32	32.0 ± 2	27.0 ± 2	2.5 ± 0.25	22 ± 1	27 - 36	RED
SGHDPER-40	40.0 ± 2	34.6 ± 2	2.7 ± 0.30	24 ± 1	34 - 44	RED

TECHNICAL DATA

Material	High density polyethylene CHDPE)
Operating Range	-40 °C - +80 °C
Tensile Range	25 MPa at room temperature
Standard Color	Black
Other Features	Oil Resistant, Oil Agent Resistant and Anti-UV
Certificate	TUV radiation BS EN 13758-1:2002/AS 2660-1991 AS 1180.13A 10m - 20m



INTEGRATED, RELIABLE HOSE PROTECTION

Spring Guard is a cost effective way to protect hoses from external abrasion and damage. It is manufactured from galvanized steel ensuring exceptional wear and anti-crush properties.

DATA SHEET				
Part Number	Inside Diameter ID (mm)	Wrapping Range OD (mm)	Wall Thickness (W)	Screw Pitch (P)
SSG-010-02	10 ± 0.2	1.8 ± 0.02	4.0 ± 0.2	
SSG-017-04	17 ± 0.2	1.8 ± 0.02	4.0 ± 0.2	
SSG-021-06	21 ± 0.2	1.8 ± 0.02	4.0 ± 0.2	
SSG-023-08	23 ± 0.2	1.8 ± 0.02	4.0 ± 0.2	
SSG-027-10	27 ± 0.2	1.8 ± 0.02	4.0 ± 0.2	
SSG-031-12	31 ± 0.2	2.0 ± 0.02	4.0 ± 0.2	
SSG-034-12	34 ± 0.2	2.0 ± 0.02	4.0 ± 0.2	
SSG-041-16	41 ± 0.2	2.5 ± 0.02	8.0 ± 0.2	
SSG-049-20	49 ± 0.2	2.5 ± 0.02	8.0 ± 0.2	
SSG-05G-24	56 ± 0.2	3.0 ± 0.02	8.0 ± 0.2	
SSG-061-24	61 ± 0.2	3.0 ± 0.02	8.0 ± 0.2	
SSG-068-32	68 ± 0.2	3.0 ± 0.02	8.0 ± 0.2	
SSG-075-32	75 ± 0.2	3.0 ± 0.02	8.0 ± 0.2	

HOSE TYPE	DN • Dash Size mm • Inches	5 • 05 48 • 3/16"	8 • 05 64 • 1/4"	8 • 05 78 • 5/16"	10 • 05 84 • 3/8"	12 • 05 96 • 3/4"	16 • 10 128 • 1 1/2"	18 • 10 150 • 1 1/4"	19 • 10 152 • 1 1/8"	25 • 16 254 • 1"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	51 • 32 508 • 2"	60 • 38 603 • 2 3/8"
BRADWIN		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
		16.1	15	18.0	18	20.6	23.5	21	27.0	24	30.9	39.2	48.6	57.0	69.5
BRADZEN		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
		16.8	15	18.6	18	21.4	24.3	21	28.1	27	31.9	40.0	50.7	59.6	72.5
SPIRAL-ASP		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
				22.8	21	25.8	24	28.8	27	33.6	41.5	51.0	59.5	72.5	72
SPIRAL-6H		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
						26.0	28.0	29.1	34.0	33	34.8	41.5	49.5	56.4	73.5
ISO4000		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
				22.33	21	25.8	24	29.3	27	34.0	42.0	49.5	58.0	71.0	70
ISO5000		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
											35.8	42.4	53.1	61.0	75.8
ISO6000		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
				26.0	24	28.0	27	29.1	34.0	33	34.8	41.5	49.5	52.9	61.0
HERCULES DIE HARD		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
														66.5	80.0
JACK MASTER		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
				17.9	15	20.6	23.5	21							
FIRE MASTER		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
HOSE TYPE	DN • Dash Size mm • Inches	5 • 04 48 • 3/16"	8 • 05 64 • 1/4"	8 • 05 78 • 5/16"	10 • 05 84 • 3/8"	12 • 05 96 • 3/4"	16 • 10 128 • 1 1/2"	18 • 10 150 • 1 1/4"	19 • 10 152 • 1 1/8"	25 • 16 254 • 1"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	51 • 32 508 • 2"	60 • 38 603 • 2 3/8"
		14.6	16.7	17.5	20.7	24.2	27.7								
COVER R5		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
HOSE TYPE	DN • Dash Size mm • Inches	5 • 04 48 • 3/16"	8 • 05 64 • 1/4"	8 • 05 78 • 5/16"	10 • 05 84 • 3/8"	12 • 05 96 • 3/4"	16 • 10 128 • 1 1/2"	18 • 10 150 • 1 1/4"	19 • 10 152 • 1 1/8"	25 • 16 254 • 1"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	31 • 20 318 • 1 1/4"	51 • 32 508 • 2"	60 • 38 603 • 2 3/8"
MULTITEX		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
		12.1	10	15.0	16.0	18.4	22.6	21	26.1	24	29.7	36.3	33		
MULTIPURPOSE		003100-03	003100-04	003100-05	003100-06	003100-07	003100-08	003100-09	003100-10	003100-11	003100-12	003100-13	003100-14	003100-15	003100-16
		12.1	10	15.0	16.0	18.4	22.6	21	26.1	24	29.7	36.3	33		

FERRULE	FERRULE	FERRULE
CRIMPING DIAMETER	CRIMPING DIAMETER	CRIMPING DIAMETER
Die-Set	Die-Set	Die-Set
External Skive Length (mm)	External Skive Length (mm)	External Skive Length (mm)
Internal Skive Length (mm)	Internal Skive Length (mm)	Internal Skive Length (mm)
Interlock Type Range	Interlock Type Range	Interlock Type Range

(All dimension in mm)
Crimping data tolerance: Crimping Diameter: 0/-0.2 mm; Skive Length: ±0.5 mm



Distributor :

HARTEX GLOBAL INDUSTRIAL

Factory :

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