

# THERMOPLASTIC HOSE SPECS



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069 962 1589



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PAGE	HOSE TYPE	ID	Application	Specification	Ferrule/Collar Series
<b>THERMOPLASTIC HOSE</b>					
A3-01	<b>R7</b> R7 Thermoplastic Hose		-04 to -16 1/4" to 1"	Various lifting and Hydraulic Applications	EN 855 SAE 100 R7 3381
A3-02	<b>R7 Twin</b> R7 Twin Thermoplastic Hose		-04 to -06 1/4" to 3/8"	Various lifting and Hydraulic Applications	EN 855 SAE 100 R7 3381
A3-03	<b>R7 Twin One Wire</b> R7 Twin One Wire		-04 to -06 1/4" to 3/8"	Various lifting and Hydraulic Applications	EN 855 SAE 100 R7 3381
A3-04	<b>R8</b> R8 Thermoplastic Hose		-04 to -16 1/4" to 1"	For Air, Water and Oil Applications Discharged at a Higher Pressure	EN 855 SAE 100 R8 3381
A3-05	<b>R8NC</b> R8 Non Conductive Hose		-04 to -16 1/4" to 1"	For Equipment Requiring High Electrical Insulation	EN 855 SAE 100 R8 3381
A3-06	<b>PSH</b> Paint Spray Hose		-04 to -08 1/4" to 1/2"	Paint Spray and Other Applications Requiring High Chemical Resistance to	EN 855 SAE 100 3381
A3-07	<b>SCHA</b> Sewer Cleaning Hose		-08 to -16 1/2" to 1"	Sewer Cleaning Vehicles and Applications	EN 855 SAE 100 OEM Fitted
A3-08	<b>MM</b> Micro Bore Hose Minimess Test Hose		2mm	Pressure Test Equipment & Test Points	MMC



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# R7 R7 Thermoplastic Hose

**DIN - EN 855**  
**SAE 100 R7**

**HOSE CONSTRUCTION**

**INNER TUBE**  
Polyester Elastomer

**REINFORCEMENT**  
High Tensile 2 Polyester Fiber Braids

**COVER**  
Oil and Weather Resistant Polyurethane

**TEMPERATURE RANGE**  
(MEDIUM) -40°C to +100°C  
limited to +65°C for air & water based fluids

**APPLICATION**  
Construction & Agricultural Equipment  
Agricultural Brake Systems  
Forklift Trucks  
Articulating & Telescopic Booms  
Aerial Platforms  
Scissor Lifts  
Cranes  
General Hydraulics  
Industrial Gases

**SAFETY FACTOR**  
4:1



**BRANDING**

SAE 100 R7 <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR



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		
R7-04	6	1/4	6.5	12.2	210	3000	840	12000	35	0.10
R7-06	10	3/8	9.7	16	160	2300	640	9200	55	0.15
R7-08	12	1/2	13	20.3	140	2000	560	8000	75	0.22
R7-10	16	5/8	16.1	23.1	105	1500	420	6000	110	0.28
R7-12	20	3/4	19.5	27.1	90	1300	360	5200	140	0.33
R7-16	25	1	25.9	34	70	1000	280	4000	190	0.46



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# R7T R7 Twin Thermoplastic Hose

**DIN - EN 855**  
**SAE 100 R7 TWIN**

**HOSE CONSTRUCTION**

**INNER TUBE**

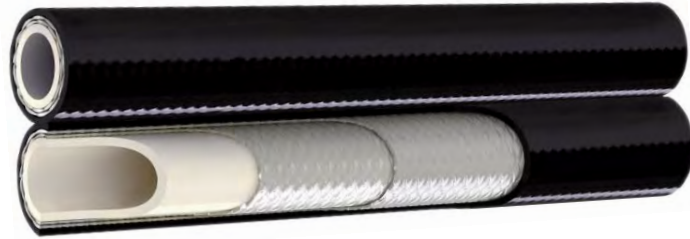
Polyester Elastomer

**REINFORCEMENT**

High Tensile 2 Polyester Fiber Braids

**COVER**

Oil and Weather Resistant Polyurethane



**TEMPERATURE RANGE**

(MEDIUM) -40°C to +100°C

limited to +65°C for air & water based fluids

**APPLICATION**

- Construction & Agricultural Equipment
- Agricultural Brake Systems
- Forklift Trucks
- Articulating & Telescopic Booms
- Aerial Platforms
- Scissor Lifts
- Cranes
- General Hydraulics
- Industrial Gases

**SAFETY FACTOR**

4:1

**BRANDING**

SAE 100 R7 <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
R7T-04	6	1/4	6.5	12.2	210	3000	840	12000	35	0.10
R7T-06	10	3/8	9.7	16	160	2300	640	9200	55	0.15

*Other Sizes Available on request*



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**R7TW**

# R7 Twin 1 Wire Braid Thermoplastic Hose

**DIN - EN 855**  
**SAE 100 R7**  
**1 WIRE BRAID - TWIN**

## HOSE CONSTRUCTION

**INNER TUBE**  
Polyester Elastomer

**REINFORCEMENT**  
High Tensile Steel Wire Braid

**COVER**  
Oil and Weather Resistant Polyurethane

**TEMPERATURE RANGE**  
(MEDIUM) -40°C to +100°C  
limited to +65°C for air & water based fluids

**APPLICATION**  
Construction & Agricultural Equipment  
Agricultural Brake Systems  
Forklift Trucks  
Articulating & Telescopic Booms  
Aerial Platforms  
Scissor Lifts  
Cranes  
General Hydraulics  
Industrial Gases

**SAFETY FACTOR**  
4:1

## BRANDING

SAE 100 R7 1 WIRE <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
<b>R7TW-04</b>	<b>6</b>	<b>1/4</b>	6.5	12	287	4162	1148	16646	40	0.34
<b>R7TW-06</b>	<b>10</b>	<b>3/8</b>	9.7	15.5	212	3074	848	12296	65	0.48

*Other Sizes Available on request*



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# R8 R8 Thermoplastic Hose

**DIN - EN 855**  
**SAE 100 R8**

## HOSE CONSTRUCTION

**INNER TUBE**  
Polyester Elastomer

**REINFORCEMENT**  
High Tensile 2 Aramidic Fiber Braids

**COVER**  
Oil and Weather Resistant Polyurethane

**TEMPERATURE RANGE**  
(MEDIUM) -40°C to +100°C  
limited to +65°C for air & water based fluids

**APPLICATION**  
For Air, Water, Mineral and Synthetic Oils  
Discharged at Very High Pressure

**SAFETY FACTOR**  
4:1



## BRANDING

SAE 100 R8 <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
R8-04	6	1/4	6.5	12	362	5249	1448	20996	50	0.18
R8-06	10	3/8	9.7	16.5	287	4162	1148	16646	80	0.29
R8-08	12	1/2	13	20.2	250	3625	1000	14500	95	0.39
R8-12	20	3/4	19.5	28	162	2349	648	9396	150	0.59
R8-16	25	1	25	34	140	2030	560	8120	200	0.93



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**DIN - EN 855**  
**SAE 100 R8**  
**NON CONDUCTIVE**

**HOSE CONSTRUCTION**

**INNER TUBE**  
 Polyester Elastomer

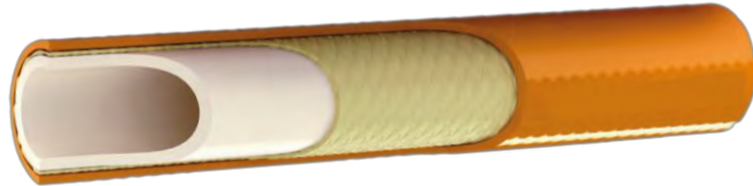
**REINFORCEMENT**  
 High Tensile 2 Aramidic Fiber Braids

**COVER**  
 Orange, Oil and Weather Resistant Polyurethane

**TEMPERATURE RANGE**  
 (MEDIUM) -40°C to +100°C  
 limited to +65°C for air & water based fluids

**APPLICATION**  
 High Voltage Equipment  
 Safety and Rescue Equipment  
 Aerial Platforms  
 Cranes  
 Equipment Requiring High Electrical Insulation

**SAFETY FACTOR**  
 4:1



**BRANDING**

SAE 100 R8 NON CONDUCTIVE <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR>



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
<b>R8NC-04</b>	6	1/4	6.5	12	362	5249	1448	20996	50	0.18
<b>R8NC-06</b>	10	3/8	9.7	16.5	287	4162	1148	16646	80	0.29
<b>R8NC-08</b>	12	1/2	13	20.2	250	3625	1000	14500	95	0.39
<b>R8NC-12</b>	20	3/4	19.5	28	162	2349	648	9396	150	0.59
<b>R8NC-16</b>	25	1	25	34	140	2030	560	8120	200	0.93



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# PSH Paint Spray Thermoplastic Hose

## STEEL REINFORCED HIGH PRESSURE SOLVENTS & PAINTS

### HOSE CONSTRUCTION

#### INNER TUBE

Solvents, Paints and Hydraulic Oils  
Resistant Polyamide

#### REINFORCEMENT

High Tensile Steel Wire Braid

#### COVER

Blue, Oil and Weather Resistant Polyurethane

#### TEMPERATURE RANGE

(MEDIUM) -40°C to +100°C  
limited to +65°C for air & water based fluids

#### APPLICATION

Airless Paint Spray Systems  
Applications Requiring High Chemical  
Resistance to Solvents & Aggressive Fluids

#### SAFETY FACTOR

4:1



### BRANDING

PAINT SPRAY HOSE 1 WIRE <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR

Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
PSH-04	6	1/4	6.5	11.5	350	5000	1400	20000	50	0.08
PSH-06	10	3/8	9.7	15.5	280	4000	1120	16000	60	0.13
PSH-08	12	1/2	13	19.9	245	3500	980	14000	80	0.20



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# SCHA Sewer Cleaning Thermoplastic Hose

## SEWER CLEANING HOSE

### HOSE CONSTRUCTION

#### INNER TUBE

Polyethylene

#### REINFORCEMENT

One or Two Braids of Synthetic Fiber

#### COVER

Weather Resistant Polyurethane

#### TEMPERATURE RANGE

(MEDIUM) -40°C to +60°C

#### APPLICATION

Standard Sewer Cleaning Vehicles & Applications

#### SAFETY FACTOR

2.5:1



### BRANDING

SEWER CLEANING - <SIZE INCH> - <SIZE DN> - WP <WP BAR> BAR BP <BP BAR> BAR



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
SCHA-08	12	1/2	6.5	12	175	2500	438	6250	100	0.23		
SCHA-10	16	5/8	9.7	16.5	175	2500	438	6250	115	0.29		
SCHA-12	20	3/4	13	20.2	175	2500	438	6250	125	0.33		
SCHA-16	25	1	19.5	28	175	2500	438	6250	160	0.48		

Other Sizes Available on request

Supplied as a complete 120mtr assembly complete with NPT Male fittings on both ends



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**MICRO BORE HOSE**  
**MINIMESS TEST HOSE**

**HOSE CONSTRUCTION**

**INNER TUBE**  
Polyester elastomer

**REINFORCEMENT**  
One braid of aramid fiber

**COVER**  
Anti-grip polyurethane, black, pinpricked, white ink-jet branding.

**TEMPERATURE RANGE**  
(MEDIUM) -40°C to +100°C  
limited to +70°C for air & water based fluids

**APPLICATION**  
Pressure test equipment and test points  
General mini hydraulic equipment using capillary hoses  
Automotive roof opening systems  
Bicycle braking systems

**SAFETY FACTOR**  
3:1



Part No.	Hose Size		I.D.	O.D.	Working Press		Burst Press		Bend Rad	Weight
	mm	inch			bar	psi	bar	psi		
MM-2MM	2	5/64	2	5	630	9100	1900	27300	20	0.02

The following connectors are also available to suit this hose  
Assemblies made up to customer specification

