

# Resin Hoses

## For General Purposes

**Resin Hoses for General Purposes – Standard Type**  
**HOTR**  
**HOTRL**

RoHS10

Construction Diagram

Type	Hose Nominal I.D.	Hose Length		I.D. (mm)	O.D. (mm)	Operating Temp. Range (°C)	Operating Pressure (MPa)	Min. Bending Radius (mm)	Mass kg/m
		Fixed (m)	Configurable (0.1 mm Increment)						
HOTR Fixed Length	9	50	0.5–49.9	9	15	-5–60	0–1.0	45	0.15
		100							
HOTR Configurable Length	12	50		12	18		0–0.8	55	0.19
		100							
HOTR Configurable Length	15	50		15	22		0–0.6	80	0.27
		100							
HOTR Configurable Length	19	50		19	26		0–0.6	95	0.32
		100							
HOTR Configurable Length	25	50		25	33		0–0.6	140	0.5
		100							

**Resin Hoses for General Purposes – Oil-proof Type**  
**HOTRS**  
**HOTRSL**

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Construction Diagram

Type	Hose Nominal I.D.	Hose Length		I.D. (mm)	O.D. (mm)	Operating Temp. Range (°C)	Operating Pressure (MPa)	Min. Bending Radius (mm)	Mass kg/m
		Fixed (m)	Configurable (0.1 mm Increment)						
HOTRS Fixed Length	9	50	0.5–49.9	9	15	-5–60	0–1.0	45	0.15
		100							
HOTRS Configurable Length	12	50		12	18		0–0.8	60	0.19
		100							
HOTRS Configurable Length	15	50		15	22		0–0.6	90	0.27
		100							
HOTRS Configurable Length	19	50		19	26		0–0.6	130	0.32
		100							
HOTRS Configurable Length	25	50		25	33		0–0.6	150	0.50
		100							

**Resin Hoses for General Purposes – High Strength**  
**HOTG**  
**HOTGL**

RoHS10

Construction Diagram

Type	Hose Nominal I.D.	Hose Length		I.D. (mm)	O.D. (mm)	Operating Temp. Range (°C)	Operating Pressure (MPa)	Min. Bending Radius (mm)	Mass kg/m
		Fixed (m)	Configurable (0.1 mm Increment)						
HOTG Fixed Length	9	50	0.5–49.9	9	15	-5–60	-0.1–0.8	40	0.14
		100							
HOTG Configurable Length	12	50		12	18		-0.1–0.5	50	0.185
		100							
HOTGL Configurable Length	15	50		15	22		-0.1–0.4	60	0.25
		100							
HOTGL Configurable Length	19	50		19	26		-0.1–0.4	80	0.34
		100							
HOTGL Configurable Length	25	50		25.4	33.4		-0.1–0.4	100	0.5
		100							

Ⓢ HOTG15-100 has been discontinued.

**Resin Hoses for General Purposes – Withstanding Pressure Type**  
**HOTSG**  
**HOTSGL**

RoHS10

Construction Diagram

Type	Hose Nominal I.D.	Hose Length		I.D. (mm)	O.D. (mm)	Operating Temp. Range (°C)	Operating Pressure (MPa)	Min. Bending Radius (mm)	Mass kg/m
		Fixed (m)	Configurable (0.1 mm Increment)						
HOTSG Fixed Length	9	50	0.5–49.9	9	15	-5–60	0~1.5	45	0.15
		100							
HOTSG Configurable Length	12	50		12	18		0~1.0	55	0.19
		100							
HOTSGL Configurable Length	15	50		15	22		0~1.0	80	0.27
		100							
HOTSGL Configurable Length	19	50		19	26		0~1.0	95	0.32
		100							
HOTSGL Configurable Length	25	50		25	33		0~1.0	140	0.5
		100							

Part Number Example	Part Number	-	Hose Length
	HOTR9	-	100
	HOTRSL19	-	45.9

# Fittings For General Purpose Hoses

**Plastic Hose Mounting Connectors**

RoHS10

TCSM

Type	Material							Applicable Hose
	Nipple	Inner	Rubber Cap	Washer	Swaging Sleeve Nut	Rubber Gasket	Sleeve, Ring	
TCSM	CF-8 Stainless Steel Cast	—	—	—	CF-8 Stainless Steel Cast	NBR Nitrile Rubber	POM Polyoxymethylene	HOTR_ , HOTRS_ , HOTSG_ , HOTG_

Type	Part Number No.	L	Hex/Octagon Socket B	V	(F)	G	R (PT)	Applicable Hose
TCSM Stainless Steel	9	54.5	30	7	33	—	3/8	HOTR_ , HOTRS_ , HOTSG_ , HOTG_
	12	59	32	10	35.5		1/2	
	15	60	36	12	40		1/2	
	19	64	41	16.5	45		3/4	
	25	70	50	22	54		1	

Ⓢ Operating Pressure is the same as for Applicable Hoses.

Part Number Example	Part Number
	TCSM25