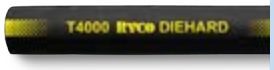
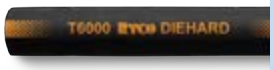
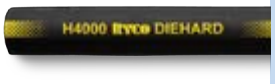
HYDRAULIC HOSE

HOSE

PICTORIAL INDEX

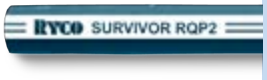
	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
ISOBARIC BRAID							
62	**T3000D** DIEHARD™		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC SAE 100R17	T2000
63	**T3000S** SLIDER		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene cover.	ISO 18752-BC SAE 100R17	T2000
64	**T3600C** ICEBREAKER		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC	T2000
65	**T3600D** DIEHARD™		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC	T2000
66	**T3600S** SLIDER		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber. One or two braids of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene cover.	ISO 18752-BC	T2000
67	**T4000D** DIEHARD™		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC SAE 100R19	T2000
68	**T4000S** SLIDER		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	ISO 18752-BC SAE 100R19	T2000
69	**T5000D** DIEHARD™		**-04 to -08** 1/4" to 1/2"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC	T2000
70	**T5000S** SLIDER		**-04 to -08** 1/4" to 1/2"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	ISO 18752-BC	T2000
71	**T6000D** DIEHARD™		**-04 to -06** 1/4" to 3/8"	Extremely high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-BC	T2000
72	**T6000S** SLIDER		**-04 to -06** 1/4" to 3/8"	Extremely high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	ISO 18752-BC	T2000
ISOBARIC SPIRAL							
73	**H3000D** DIEHARD™		**-20 to -32** 1.1/4" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type R12 EN 856 Type 4SP ISO 18752-DC SAE 100R12	T7000
74	**H3000S** SLIDER		**-20 to -32** 1.1/4" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	EN 856 Type R12 EN 856 Type 4SP ISO 18752-DC SAE 100R12	T7000

	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
ISOBARIC SPIRAL (CONT)							
75	**H4000D** DIEHARD™		**-06 to -32** 3/8" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type R12 EN 856 Type 4SP (size DN25, -16) ISO 18752-DC SAE 100R12	T7000
76	**H4000S** SLIDER		**-06 to -32** 3/8" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	EN 856 Type R12 EN 856 Type 4SP (size DN25, -16) ISO 18752-DC SAE 100R12	T7000
77	**H5000C** ICEBREAKER		**-12 to -20** 3/4" to 1 1/4"	Very high pressure hydraulic oil lines in applications where low temperature environmental conditions exist.	Very high pressure hydraulic oil lines in applications where low temperature environmental conditions exist. Small bend radius is an advantage in installations.	EN 856 Type R13 ISO 18752-CC SAE100R13	T7000
78	**H5000D** DIEHARD™		**-06 to -32** 3/8" to 2"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type R13 ISO 18752-CC SAE100R13	T6000 T7000
79	**H5000S** SLIDER		**-06 to -32** 3/8" to 2"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	EN 856 Type R13 ISO 18752-CC SAE 100R13	T6000 T7000
80	**H6000D** DIEHARD™		**-06 to -32** 3/8" to 2"	Extremely high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four, six or eight alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type R15 ISO 18752-CC SAE 100R15	T6000 T7000
81	**H6000S** SLIDER		**-06 to -32** 3/8" to 2"	Extremely high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four, six or eight alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	ISO 3862 Type R15 ISO 18752-CC SAE 100R15	T6000 T7000
82	**C6000D** DIEHARD™		**-12 to -16** 3/4" to 1"	Ultra flexible, extremely high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-CC SAE100R15	T7000
83	**C6000S** SLIDER		**-12 to -16** 3/4" to 1"	Ultra flexible, extremely high pressure hydraulic oil lines.	Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover.	ISO 18752-CC SAE100R15	T7000
BRAID							
84	**DF1D** DIEHARD™		**-04 to -16** 1/4 to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 1SC ISO 11237 Type 1SC	T2000
85	**DF2D** DIEHARD™		**-04 to -16** 1/4 to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 2SC ISO 11237 Type 2SC SAE 100R16	T2000
86	**DK1D** DIEHARD™		**-04 to -20** 1/4 to 1.1/4"	Extra abrasion resistant high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 1SC ISO 11237 Type 1SC	T2000
87	**DK1E** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	EN 857 Type 1SC ISO 11237 Type 1SC	T2000

HOSE

PICTORIAL INDEX

	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
BRAID (CONT)							
88	**DK1S** SLIDER		**-04 to -20** 1/4 to 1.1/4"	Extra abrasion resistant high pressure hydraulic oil lines.	Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 1SC ISO 11237 Type 1SC	T2000
89	**DK2D** DIEHARD™		**-04 to -20** 1/4 to 1.1/4"	Extra abrasion resistant high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4	T2000
90	**DK2E** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4	T2000
91	**DK2S** SLIDER		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover.	EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4	T2000
93	**EC1** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines. Compact outside diameter and smaller bend radius.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	EN 857 Type 1SC ISO 11237 Type 1SC	T2000
94	**EC2** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines. Compact outside diameter and smaller bend radius.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	EN 857 Type 2SC ISO 11237 Type 2SC SAE 100R16	T2000
95	**ECP1** ENERGY		**-03 to -08** 3/16" to 1/2"	High pressure hydraulic oil pilot lines. Compact outside diameter and smaller bend radius.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.		T2000
96	**E1** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT	T2000 6000 (K000)
97	**E2** ENERGY		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover.	AS 3791 100R2AT DIN 20022 - 2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000 T7000 6000 (L000)
98	**T1D** DIEHARD™		**-03 to -32** 3/16" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT	T2000 6000 (K000)
99	**T1S** SLIDER		**-03 to -32** 3/16" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT	T2000
100	**T1F** FIRE SUPPRESSION		**-03 to -16** 3/16" to 1"	Fire Suppression Systems of off-road vehicles, mining equipment, stationary engines, etc.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Red, heat resistant, abrasion resistant and oil resistant rubber cover.	AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT	T2000 6000 (K000)
101	**T2D** DIEHARD™		**-04 to -48** 1/4" to 3"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	AS 3791 100R2AT DIN 20022 - 2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000 T7000 6000 (L000)

	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
BRAID (CONT)							
102	**T2S** SLIDER		**-04 to -32** 1/4" to 2"	High pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000 T7000
103	**T2C** ICEBREAKER		**-04 to -32** 1/4" to 2"	High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.	Specially formulated oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000
104	**TXA2D** DIEHARD™		**-08 to -16** 1/2" to 1"	Extra high pressure hydraulic oil lines where pressure exceeds 100R2 by at least 30%.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	AS 3791 100R2AT BCS 174 DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000 T7000 6000 (L000)
SPIRAL							
105	**H12D** DIEHARD™		**-06 to -40** 3/8" to 2.1/2"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	AS 3791 100R12 EN 856 Type R12 EN 856 Type 4SP (-12 and above) ISO 3862 Type R12 SAE 100R12	T7000
106	**H12S** SLIDER		**-06 to -32** 3/8" to 3"	Very high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene.	AS 3791 100R12 EN 856 Type R12 EN 856 Type 4SP (-12 and above) ISO 3862 Type R12 SAE 100R12	T7000
107	**R4SPD** DIEHARD™		**-06 to -16** 3/8" to 1"	Extra high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type 4SP ISO 3862 Type 4SP	T7000
108	**R4SHD** DIEHARD™		**-12 to -32** 3/4" to 2"	Extra high pressure hydraulic oil lines.	Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	EN 856 Type 4SH ISO 3862 Type 4SH	T6000 T7000
SPECIALTY & HIGH TEMPERATURE							
110	**TJ2D** DIEHARD™ JACK		**-04 to -06** 1/4" & 3/8"	Hydraulic Jack applications requiring a light weight, small outside diameter hose.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover.	Materials Handling Institute specification IJ 100 (July 1979)	T2000
111	**RQP1** SURVIVOR™		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil applications, or where resistance to phosphate ester fluid is required.	Synthetic rubber tube, compounded for temperature resistance and multi fluid resistance. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT	T2000 6000 (K000)
112	**RQP2** SURVIVOR™		**-04 to -32** 1/4" to 2"	High pressure hydraulic oil applications, or where resistance to phosphate ester fluid is required.	Synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT	T2000 T7000 6000 (L000)
113	**RQP5** SURVIVOR™		**-04 to -32** 1/4" to 2"	Medium to high pressure hydraulic oil applications, or where resistance to phosphate ester fluid is required.	Oil resistant synthetic rubber tube. Polyester inner braid covered with one braid of high tensile steel wire reinforcement. Polyester braid cover.	AS 3791 100R5 SAE 100R5 SAE J1402 Type AII (up to -12 size)	T4000 V000
114	**RQP6** SURVIVOR™ PUSH-ON		**-04 to -12** 1/4" to 3/4"	Hydraulic oil lines, transmission oil cooler lines, glycol antifreeze solutions, water, diesel fuels and air.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R6 DIN 20021-1TE ISO 4079 Type 1 SAE 100R6	T4000 8000

HOSE

PICTORIAL INDEX

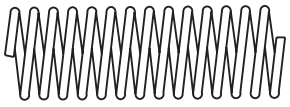
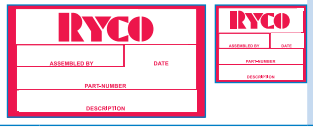
	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
SPECIALTY & HIGH TEMPERATURE (CONT)							
115	**D2B** DRILLER		**-20 to -32** 1.1/4" to 2"	Hydraulic oil or air lines. Drill rigs - high pressure, large bore air hose.	Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber cover.		T2000 T7000
116	**T5** TRUCKER		**-04 to -32** 1/4" to 2"	Medium to high pressure hydraulic oil applications.	Oil resistant synthetic rubber tube. Polyester inner braid covered with one braid of high tensile steel wire reinforcement. Polyester braid cover.	AS 3791 100R5 SAE 100R5 SAE J1402 Type AII (up to -12 size)	T4000 V000
117	**MS1000** MINESPRAY		**-08 to -32** 1/2" to 2"	Water and air spray suited for dust control in all industrial and mining applications.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.		T2000
118	**CS1000** COALSPRAY		**-08 to -32** 1/2" to 2"	Water and air spray suited for dust control in all industrial and mining applications.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.		T2000
120	**BT1** BIOTRANS		**-04 to -16** 1/4" to 1"	Transportation, marine fuel and engine hose applications.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement.	SAE J1527 Type Class I SAE J30R2 (non-marine) USCG SAE J1942	T2000 6000 (K000)
HIGH PRESSURE WATERBLAST							
121	**SW** SHOCKWAVE		**-06 to -16** 3/8" to 1"	Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.	Oil and water resistant synthetic rubber tube. Four high tensile steel spirals reinforcement. Oil, water and ozone resistant synthetic rubber cover.	AS/NZS 4233.2 EN 1829-2 ISO 7751	TW4000
PRESSURE WASHER							
122	**JS4000** **JS4000G** JETSTORM		**-04 to -08** 1/4" to 1/2"	Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. JS4000G is Animal Fat Resistant (AFR).	Oil and water resistant synthetic rubber tube. One braid of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover.	EN 1829-2	T2000
123	**JS4000BX** **JS4000GX** JETSTORM		**-04 to -08** 1/4" to 1/2"	Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.	Oil and water resistant synthetic rubber tube. One braid of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover.	EN 1829-2	T2000
124	**JS6000** **JS6000G** JETSTORM		**-04 to -08** 1/4" to 1/2"	Cleaning & preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. JS6000G is Animal Fat Resistant (AFR).	Oil and water resistant synthetic rubber tube. Two braids of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover.	EN 1829-2	T2000
125	**JS6000BX** **JS6000GX** JETSTORM		**-04 to -08** 1/4" to 1/2"	Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.	Oil and water resistant synthetic rubber tube. Two braids of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover.	EN 1829-2	T2000
SUCTION AND RETURN							
126	**SRF** COMPACT SUCTION		**-12 to -32** 3/4" to 2"	Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines.	Oil resistant synthetic rubber tube. Textile reinforcement with spiral wire to prevent collapsing. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R4 SAE 100R4	33000 T4000

	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
SUCTION AND RETURN (CONT)							
127	**SRX** COMPACT SUCTION		**-12 to -48** 3/4" to 3"	Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines where extreme flexibility is required.	Oil resistant synthetic rubber tube. Textile reinforcement with spiral wire to prevent collapsing. Oil resistant and abrasion resistant synthetic rubber cover. Extremely flexible.	AS 3791 100R4 SAE 100R4	33000 T4000
TEFLON®							
128	**RTH1** TEFLON®		**-04 to -16** 1/4" to 1"	High pressure hydraulic oil lines. Fluids at extremes of pressure and temperature.	PTFE tube (TEFLON*). One braid of high tensile Grade 304 stainless steel wire reinforcement. *DuPont Reg. TM	SAE 100R14. RTH112 meets ID and OD requirements of SAE 100R14. Other sizes have ID and OD different to SAE 100R14	TT000
TEXTILE BRAID							
129	**PL1** DIEHARD™		**-04 to -12** 1/4" to 3/4"	Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil and abrasion resistant synthetic rubber cover.	AS 3791 100R6 DIN 20021-1TE ISO 4079 Type 1 SAE 100R6	T4000 8000
130	**PL1D** DIEHARD™		**-04 to -12** 1/4" to 3/4"	Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil and abrasion resistant synthetic rubber cover.	AS 3791 100R6 DIN 20021-1TE ISO 4079 Type R6 SAE 100R6	T4000 8000
131	**PL1PV** PUSH ON		**-04 to -12** 1/4" to 3/4"	Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil and abrasion resistant synthetic rubber cover	AS 3791 100R6 ISO 4079 Type 1 SAE 100R6	T4000 8000
132	**M1** FUEL LINE		**-04 to -06** 1/4" to 3/8"	Multi-purpose hose for use on fuel lines, PCV and EEC systems, and fuel return hose connections on diesel fuel injection systems.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant synthetic rubber cover.	SAE 30R7	N/A
133	**MP1** MULTI-PURPOSE		**-04 to -20** 1/4" to 1.1/4"	Air, water, petroleum oils, kerosene and fuel oils.	Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	RMA Class A (tube) RMA Class B (cover)	T4000
134	**M2** TEXTILE		**-04 to -16** 1/4" to 1"	Medium pressure hydraulic oil lines, antifreeze solutions, water.	Oil resistant synthetic rubber tube. Two textile braids reinforcement. Oil resistant and abrasion resistant synthetic rubber cover.	AS 3791 100R3 DIN 20021-2TE ISO 4079 Type R3 SAE 100R3	T4000 6000 (M000)
135	**M2G** LPG/C		**-04 to -12** 1/4" to 3/4"	Liquified Petroleum Gas and Natural Gas.	Oil resistant synthetic rubber tube. Two textile braids reinforcement. Abrasion resistant synthetic rubber perforated cover.	AS/NZS 1869 Class C	T4000 6000 (M000)
THERMOPLASTIC							
138	**TP7** SPIDERLINE R7		**-03 to -16** 3/16" to 1"	High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines.	Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover.	AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7	TP000
139	**TP7N** ISOLATOR R7		**-04 to -16** 1/4" to 1"	Hydraulic oil lines where electrical non-conductivity is required.	Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic cover.	AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7	TP000

HOSE

PICTORIAL INDEX

	HOSE SERIES		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
THERMOPLASTIC (CONT)							
140	**TP7T** SPIDERLINE TWIN R7		**-04 to -08** 1/4" to 1/2"	Payout and return reels on forklifts and cranes, dispensing equipment and other applications requiring two hoses.	Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover.	AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7	TP000
141	**TP7TN** ISOLATOR TWIN R7		**-04 to -08** 1/4" to 1/2"	Payout and return reels on forklifts and cranes, hydraulic powered hand tools and other applications requiring two hoses.	Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic cover.	AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7	TP000
142	**TP8** SPIDERLINE R8		**-04 to -08** 1/4" to 1/2"	High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines.	Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover.	AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8	TP000
143	**TP8N** ISOLATOR R8		**-04 to -08** 1/4" to 1/2"	Hydraulic oil lines where electrical non-conductivity is required.	Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic cover.	AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8	TP000
144	**TP8T** SPIDERLINE TWIN R8		**-04 to -08** 1/4" to 1/2"	Payout and return reels on forklifts and cranes, dispensing equipment and other applications requiring two hoses.	Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover.	AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8	TP000
145	**TP8TN** ISOLATOR TWIN R8		**-04 to -08** 1/4" to 1/2"	Payout and return reels on forklifts and cranes, hydraulic powered hand tools and other applications requiring two hoses.	Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic cover.	AS 3791 100R8 EN 855 Type R8 ISO 3949 TYPE R8 SAE 100R8	TP000
146	**TP3000** SPIDERLINE R18		**-04 to -08** 1/4" to 1/2"	Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in forklift systems.	Polyester elastomer tube. One or two braids of synthetic fibre reinforcement. Special polyester, black with white ink-jet branding. Cover is perforated (pin-pricked).	SAE 100 R18	TP000
GREASING AND LUBRICATION							
147	**TPGL** GREASE LINE		**-02** 1/8"	High pressure greasing and lubrication systems.	Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover.		TG000 6000 (P000)
148	**R4100N**		**-03** 3/16"	Flexible Grease Gun extension for high pressure greasing and lubrication systems.	Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber cover.		

	HOSE PROTECTION		INSIDE DIAMETER	RECOMMENDED	CONSTRUCTION	PERFORMANCE SPECIFICATIONS MET OR EXCEEDED	COUPLING SERIES
150	**FS** FIRE SLEEVE		**-08 to -104** 1/2" to 6.1/2"	Protection of hoses from heat and molten metal splashes.	Braided glass fibre tubing coated with silicon rubber.	SAE Aerospace Standard AS 1072	
153	**RCS** CROCSLEEVE		**23 to 129 mm** 7/8" to 5"	Burst and pinhole protection. Protection of hoses from abrasion. Bundling hoses together.	Woven polyamide. RCSB - Black. RCSR - Red.	MSHA approved FRAS	
156	**RH** RAWHIDE		**23 to 93 mm** 7/8" to 3.5/8"	Protection of hoses from severe abrasion. Bundling hoses together.	Woven nylon tubing.	MSHA approved	
157	**RSG** SPIRAL GUARD		**16 to 110 mm** (OD) 5/8" to 4.1/2"	Protection of hoses from abrasion and impact. Bundling hoses together.	Polyethylene plastic spiral. Black.		
157	**RSGF** SPIRAL GUARD FRAS		**16 to 110 mm** (OD) 5/8" to 4.1/2"	Protection of hoses from abrasion and impact. Bundling hoses together.	Polyethylene plastic spiral. Dark Grey.	MSHA approved FRAS	
157	**RSGY** SPIRAL GUARD		**16 to 110 mm** (OD) 5/8" to 4.1/2"	Protection of hoses from abrasion and impact. Bundling hoses together.	Polyethylene plastic spiral. Yellow		
159	**RWA** PUSH ON		**12 to 75 mm** 1/2" to 3"	Protection of hose cover from abrasion and gouges.	Spring Steel Wire, galvanised.		
161	**RHYS** PACKAGING SLEEVE		**48 & 79 mm** 1.9" and 3.1"	Packaging and protection of hose assemblies during transport and storage.	Heavy duty, low density polyethylene sleeve.		
163	**QRAM** QRAM LABEL		**Suits sizes** **-04 to -20** **&** **-12 to -32**	Permanent identification of hose assemblies.	High performance plastic.		
164	**RHYT** RHYT-10, -32		**Suits sizes** **-04 to -10** **&** **-12 to -32**	Permanent identification of hose assemblies.	High performance plastic.		
164	**RHWT** RHWT-10, -32		**Suits sizes** **-04 to -10** **&** **-12 to -32**	Permanent identification of hose assemblies.	High performance plastic.		
162	**750/760** SPRING GUARD		**Suits some -04 (1/4") & -06 (3/8") hoses**	Control bend radius at end of hose assemblies.	Spring Steel Wire, galvanised.		

HOSE

HOSE TYPE APPROVALS

The tables following on pages 44 to 48 list the approvals RYCO Hydraulics hold with various third parties for hoses used in RYCO Matched Hose Assemblies. For each Certification Body/Organisation referenced in the table, listed is; the Matched RYCO Coupling Series approved for the hoses listed.

EXAMPLE:
A Hose Assembly using **T3600D** needs to meet **Marine Equipment Directive** (MED) approval; the table shows:
The **Matched Couplings** approved for use with **T3600D** hose: **T2000** Series Crimp Couplings.
* Refer to **www.RYCO.com.au** for current approval certificates & further details.

RYCO HOSE TYPE APPROVALS																
HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	CLASSNK	GOST-R	BV	RINA	KR	MA-KA
T3000	**D**	**S**	**Sv**	**E**	**I**											
T3004	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3005	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3006	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3008	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3010	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3012	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3016	•					T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	T2000	
T3000	**D**	**S**	**Sv**	**E**	**I**											
T3004		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3005		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3006		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3008		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3010		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3012		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3016		•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3600	**D**	**S**	**Sv**	**E**	**I**											
T3604	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3605	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3606	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3608	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3610	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3612	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T3616	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4000	**D**	**S**	**Sv**	**E**	**I**											
T4004	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4005	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4006	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4008	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4010	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4012	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T4016	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T5000	**D**	**S**	**Sv**	**E**	**I**											
T5004	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T5005	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T5006	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T5008	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	

* Refer to **www.RYCO.com.au** for current approval certificates & further details.

HOSE TYPE APPROVALS

RYCO HOSE TYPE APPROVALS

HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	DOT	GOST-R	BV	RINA	KR	MA-KA
T6000	**D**	**S**	**Sv**	**E**	**I**											
T6004	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T6005	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T6006	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
H3000	**D**	**S**	**Sv**	**E**	**I**											
H3020	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H3024	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H3032	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4000	**D**	**S**	**Sv**	**E**	**I**											
H4006	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4008	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4010	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4012	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4016	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4020	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4024	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H4032	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5000	**D**	**S**	**Sv**	**E**	**I**											
H5006	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5008	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5010	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5012	•	•			•	T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5016	•	•			•	T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5020	•	•			•	T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H5024	•	•			•	T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000		T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	
H5032	•	•				T6000	T6000	T6000	T6000	T6000		T6000	T6000	T6000	T6000	
H6000	**D**	**S**	**Sv**	**E**	**I**											
H6006	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H6008	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H6010	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H6012	•	•				T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000		T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	
H6016	•	•				T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000		T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	
H6020	•	•				T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000		T6000 & T7000	T6000 & T7000	T6000 & T7000	T6000 & T7000	
H6024	•	•				T6000	T6000	T6000	T6000	T6000		T6000	T6000	T6000	T6000	
H6032	•	•				T6000	T6000	T6000	T6000	T6000		T6000	T6000	T6000	T6000	

* Refer to **www.RYCO.com.au** for current approval certificates & further details.

HOSE

HOSE TYPE APPROVALS

RYCO HOSE TYPE APPROVALS																
HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	DOT	GOST-R	BV	RINA	KR	MA-KA
DF1	**D**	**S**	**Sv**	**E**	**I**											
DF14	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF15	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF16	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF18	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF110	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF112	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF116	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF2	**D**	**S**	**Sv**	**E**	**I**											
DF204	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF205	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF206	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF208	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF210	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF212	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
DF216	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T1	**D**	**S**	**Sv**	**E**	**I**											
T13	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T14	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T15	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T16	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T18	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T110	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T112	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T116	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T120	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T124	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T132	•	•				T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T1F	**D**	**S**	**Sv**	**E**	**I**											
T13F						T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T14F						T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T16F						T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T18F						T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T112F						T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
T2	**D**	**S**	**Sv**	**E**	**I**											
T24	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T25	•	•			•	T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	T2000
T26	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T28	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T210	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T212	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T216	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T220	•	•			•	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000
T224	•	•			•	T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
T232	•	•			•	T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000

HOSE TYPE APPROVALS

RYCO HOSE TYPE APPROVALS																
HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	DOT	GOST-R	BV	RINA	KR	MA-KA
TXA2D	**D**	**S**	**Sv**	**E**	**I**											
TXA28D	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
TXA210D	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
TXA212D	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
TXA216D	•					T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
H12	**D**	**S**	**Sv**	**E**	**I**											
H1206	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1208	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1210	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1212	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1216	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1220	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1224	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
H1232	•	•				T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
R4SPD	**D**	**S**	**Sv**	**E**	**I**											
R4SPD06	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD08	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD08	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD10						T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD12	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD16	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SHD	**D**	**S**	**Sv**	**E**	**I**											
R4SHD12	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SHD16	•					T6000	T6000	T6000	T6000	T6000		T6000	T6000	T6000	T6000	T6000
R4SHD20	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SPD010						T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SHD24	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
R4SHD32	•					T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	T7000
RQP1	**D**	**S**	**Sv**	**E**	**I**											
RQP14			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP15			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP16			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP18			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP110			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP112			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP116			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	

* Refer to **www.RYCO.com.au** for current approval certificates & further details.

HOSE

HOSE TYPE APPROVALS

RYCO HOSE TYPE APPROVALS																
HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	DOT	GOST-R	BV	RINA	KR	MA-KA
RQP2	**D**	**S**	**Sv**	**E**	**I**											
RQP24			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP25			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
RQP26			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP28			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP210			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP212			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP216			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000		T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP220			•			T2000 & T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	T7000		T7000	T2000 & T7000	T2000 & T7000	T2000 & T7000	
RQP224			•			T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
RQP5	**D**	**S**	**Sv**	**E**	**I**											
RQP54						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP55						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP56						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP58						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP510						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP512						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP516						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
RQP520						V000	V000	V000	V000	V000	V000	V000	V000	V000	V000	
RQP524						V000	V000	V000	V000	V000	V000	V000	V000	V000	V000	
RQP532						V000	V000	V000	V000	V000	V000	V000	V000	V000	V000	
D2B	**D**	**S**	**Sv**	**E**	**I**											
D220B			•			T7000	T7000	T7000	T7000	T7000		T7000	T7000	T7000	T7000	
D224B			•			T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000		T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000	
D232B			•			T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000		T7000 & T2000	T7000 & T2000	T7000 & T2000	T7000 & T2000	
T5	**D**	**S**	**Sv**	**E**	**I**											
T54						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T55						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T56						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T58						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T510						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T512						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T516						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T520						T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	T4000	
T524						V000	V000	V000	V000	V000	V000	V000	V000	V000	V000	
T532						V000	V000	V000	V000	V000	V000	V000	V000	V000	V000	

* Refer to **www.RYCO.com.au** for current approval certificates & further details.

HOSE TYPE APPROVALS

RYCO HOSE TYPE APPROVALS																
HOSE SERIES	DIEHARD	SLIDER	SURVIVOR	ENERGY	ICEBREAKER	ABS	DNV-GL	LR	MED	USCG	DOT	GOST-R	BV	RINA	KR	MA-KA
BT1	**D**	**S**	**Sv**	**E**	**I**											
BT14			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT15			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT16			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT18			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT110			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT112			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
BT116			•			T2000	T2000	T2000	T2000	T2000		T2000	T2000	T2000	T2000	
SRF	**D**	**S**	**Sv**	**E**	**I**											
SRF12						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
SRF16						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
SRF20						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
SRF24						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
SRF32						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
RTH1	**D**	**S**	**Sv**	**E**	**I**											
RTH14						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
RTH16						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
RTH18						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
RTH110						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
RTH112						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
RTH116						TT000	TT000	TT000	TT000	TT000		TT000	TT000	TT000	TT000	
M2	**D**	**S**	**Sv**	**E**	**I**											
M24						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
M25						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
M26						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
M28						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	
M212						T4000	T4000	T4000	T4000	T4000		T4000	T4000	T4000	T4000	

* Refer to **www.RYCO.com.au** for current approval certificates & further details.

MAXIMUM WORKING PRESSURES

Maximum Working Pressures shown below (except for **RYCO PL1, PL1D, PL1PV, RQP6** Series) are Dynamic Working Pressures for use with hydraulic fluid in systems with pressure surges or variable loads and are based on 4:1 safety factor (minimum burst to maximum working pressure).

RYCO PL1, PL1D, PL1PV and **RQP6** hoses are recommended for use with **RYCO 8000 Series** Push-On Fittings in systems with Static Working Pressures only, and are not recommended for vibration or pressure surge applications. The Maximum Working Pressures for **PL1, PL1D** , **PL1PV** and **RQP6** shown below are Static Working Pressures.

Hose subjected to both maximum temperature and maximum working pressure will have a shortened lifetime.

HOSE SIZE			T3000D/S	T3600C/D/S	T4000D/S	T5000D/S	T6000D/S	H3000D/S	H4000D/S	H5000C/D/S	H6000D/S	C6000D/S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1	EC2	E1	E2	T1D/S	T1F	T2D/S	T2C	TXA2D	H12D/S
DN	INCH	DASH	BAR																							
3	1/8	-02																								
5	3/16	-03																			250	250				
6	1/4	-04	215	250	280	350	420						225	420	295	450	225	400	225	400	225	225	420	420		
8	5/16	-05	215	250	280	350	420						215	350	250	420	215	350	215	350	215	215	350	350		
10	3/8	-06	215	250	280	350	420		280	350	420		180	350	230	385	180	330	180	330	180	180	350	350		350
12	1/2	-08	215	250	280	350			280	350	420		160	295	200	345	160	275	160	275	160	160	350	350	375	350
16	5/8	-10	215	250	280				280	350	420		130	250	150	290	130	250	130	250	130	130	250	250	350	350
19	3/4	-12	215	250	280				280	350	420	420	105	215	125	280	105	215	105	215	105	105	215	215	315	350
25	1	-16	215	250	280				280	350	420	420	90	170	110	200	90	165	90	165	90	90	175	175	225	350
31	1.1/4	-20						215	280	350	420				100	175					65		140	140		275
38	1.1/2	-24						215	280	350	420										50		100	100		255
51	2	-32						215	280	350	420										40		90	90		210
63	2.1/2	-40																					70			140
76	3	-48																					70			

HOSE SIZE			R4SPD	R4SHD	TJ2D	RQP1	RQP2	RQP5	RQP6	D2B	T5	MS1000	CS1000	BT1	SW	JS4000/G/GX/BX	JS6000/G/GX/BX	SRF	SRX	RTH1	PL1	PL1D	PL1PV	M1
DN	INCH	DASH	BAR																					
3	1/8	-02																						
5	3/16	-03																						
6	1/4	-04			700	225	400	210	28		210			50		280	420			170	30	30	30	3,5
8	5/16	-05				215	350	210	28		210			50		280	420				30	30	30	3,5
10	3/8	-06	445		700	180	350	157	28		157			50	1250	280	420			165	30	30	30	3,5
12	1/2	-08	420			160	300	140	28		140	70	70	50	1100	280	420			120	30	30	30	
16	5/8	-10	380			130	250	122	24		122	70	70	50	1000					105	26	26	26	
19	3/4	-12	380	420		105	215	105	21		105	70	70	50	700			21	21	85	22	22	22	
25	1	-16	350	380		90	167	56			56	70	70	50	700			17	17	55				
31	1.1/4	-20		350			150	43		140	43	70	70					14	14					
38	1.1/2	-24		300			100	35		100	35	70	70					11	11					
51	2	-32		250			90	24		90	24	70	70					7	7					
63	2.1/2	-40																	4					
76	3	-48																	4					

MAXIMUM WORKING PRESSURES (CONT)

HOSE SIZE			MP1	M2	M2G	TP7, TP7N	TP7T, TP7TN	TP8, TP8N	TP8T, TP8TN	TP3000	TPGL
DN	INCH	DASH	BAR								
3	1/8	-02									250
5	3/16	-03				210					
6	1/4	-04	13,8	88	2,6	210	210	350	350	210	
8	5/16	-05				190	190				
10	3/8	-06	13,8	78	2,6	160	160	280	280	210	
12	1/2	-08	13,8	70	2,6	140	140	245	245	210	
16	5/8	-10	13,8								
19	3/4	-12	13,8	52	2,6	90					
25	1	-16	13,8			70					
31	1.1/4	-20	13,8								
38	1.1/2	-24									
51	2	-32									
63	2.1/2	-40									
76	3	-48									

PRESSURE CONVERSION CHART 1 BAR = 14.5 PSI 1 MPA = 10 BAR																
bar	4	7	10	12	14	17	20	24	28	39	55	69	80	90	120	130
psi	58	100	145	175	200	250	300	350	400	565	800	1000	1160	1300	1740	1890
bar	160	180	200	215	225	250	300	337	350	375	400	420	435	500	585	690
psi	2300	2600	2900	3100	3250	3600	4350	4900	5100	5440	5800	6080	6310	7250	8480	10000

The Working Pressure of each Hose Coupling End Termination Style is shown in the Technical section. In most cases, the Working Pressure of the Hose Coupling End Termination Style that can be chosen for a particular hose exceeds the Maximum Working Pressure of the Hose.

It is possible however, to select a Hose Coupling with End Termination with lower Working Pressure than the Hose. In this case, as noted in SAE J516 and SAE J517, the rated Working Pressure of the Hose Assembly must not exceed the lower of the respective Working Pressure rated values.

EXAMPLE 1.
T28D Hose Assembly with T2030-0812 coupling one end and T2090-0808 coupling other end.
From above table or from page 101, Maximum Working Pressure of T28D is 350 bar.
From page 201 and the technical section pages 494 to 498 the Maximum Working Pressure of T2030-0812 is 690 bar.
From page 197, and the technical section pages 494 to 498 the Maximum Working Pressure of T2090-0808 is 690 bar.
The Maximum Working Pressure of the Hose Assembly is therefore 350 bar, the lowest of the respective Working Pressure rated values (in this case, the hose).

EXAMPLE 2.
H5016D Hose Assembly with T7130-1620 coupling one end and T7030-1621 coupling other end.
From above table or from page 78, Maximum Working Pressure of H5016D is 350 bar.
From page 290 and the technical section pages 494 to 498 the Maximum Working Pressure of T7130-1620 is 280 bar.
From page 278 and the technical section pages 494 to 498 the Maximum Working Pressure of T7030-1621 is 420 bar.
The Maximum Working Pressure of the Hose Assembly is therefore 280 bar, the lowest of the respective Working Pressure rated values (in this case, the T7130-1620).

See page 186 for more information.

IMPULSE LIFE

Although two or more hoses manufactured to different industry standard specifications may have identical Maximum Working Pressures, their suitability for the application must be considered. An important factor to consider is the magnitude and frequency of the pressure impulses that the hose assembly will experience.

FLAME RESISTANCE

All RYCO Hoses (except **RYCO JS, T3600C, H5000C, M1, MP1, PW2, TW1, TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000, RQP5, SRX, SRF, T5, RTH1** & **PL1** Series) meet Flame Resistant Designation "U.S. MSHA" of the U.S. Department of Labor, Mine Safety and Health Administration and also comply with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Contact RYCO Technical Department for more information.

MINIMUM BEND RADIUS

Minimum Bend Radius figures published are the radius to the cover of the Hose at the inside of the bend.

RYCO Hose Assemblies exceed the required impulse test requirements when bent to the published Minimum Bend Radius. Hose assemblies bent to smaller than the Minimum Bend Radius will have shortened lifetime.

ANTI-STATIC

"Anti-Static" refers to Hoses or Hose Assemblies being sufficiently electrically conductive to drain off static electricity. According to the requirements of AS 2660 Clause 2.2, the Hose or Hose assembly shall have an electrical resistance (measured from inside surface to outside surface) of less than 1 megohm per metre, when tested according to Method of Test AS 1180.13A. For applications requiring Anti-Static Hydraulic Hose Assemblies including, but not limited to, underground coal mines, where there is danger of ignition from static electricity discharge, only special Anti-Static Hose can be used.

RYCO DIEHARD™ Hoses and COALSPRAY comply with the requirements of AS 2660 and Method of Test AS 1180.13A.

NON CONDUCTIVE

Certain applications require that a Hose, or Hose Assembly, be Non-Conductive to prevent electrical current flow. For applications that require a Hose to be electrically Non-Conductive including, but not limited to, applications near high voltage electric lines, only special Non-Conductive Hoses can be used.

SKIVE/NON-SKIVE

Skiving refers to removing the cover at the ends of the Hose where the Hose Couplings are to be attached*. Most RYCO combinations of Hose and Couplings are Non-Skive.

In a Non-Skive application, RYCO couplings bite down through the cover and grip the wire reinforcement. Some combinations of RYCO Hose and Couplings require skiving. If skiving is required, it is clearly stated in both the Hose Section and the Couplings Section.

OUTSIDE DIAMETERS

See page 151 for reference chart of outside diameters.

SAFETY GUIDE – MAXIMUM TEMPERATURE LIMITS

Some RYCO Hose Series are not listed on page 58: **T1F, TJ2D, M2G, M1, RTH1, MP1**.

These Hoses are specific purpose Hoses, and their temperature limits are specified in the Hose Section of this Product Technical Manual. Contact RYCO Technical Department for any further queries.

Other RYCO Hose Series are listed on page 58. The Maximum Working Temperatures for these hoses, as listed in the Hose Section of this Product Technical Manual are for use with general purpose, mineral (petroleum) oil based hydraulic fluids, except where otherwise stated. Temperature limits for other hydraulic fluids, and some other common applications, are listed on page 58.

CAUTION:
Life expectancy of hoses is shortened at high temperatures. Detrimental effects increase when temperature is elevated, and also when; operating pressure, flow velocity, duration and frequency of exposure, and level of impurities in the media are high. Actual service life at temperatures approaching the recommended limits will depend on the particular application and the fluid being used.

Maximum Working Temperatures refer to the temperature of the media in the hose; not the environmental temperature around the outside of the hose. Please contact RYCO Technical Department for environmental temperatures in excess of 80°C (176°F), except **RQP1, RQP2, RQP5** and **RQP6** Series where environmental temperature is the same as media temperature.

Maximum Working Temperatures shown are for continuous temperatures. Slightly higher intermittent temperatures (up to 10% of time) may be acceptable with some hoses and some fluids, if reduced service life is acceptable. Please contact RYCO Technical Department for more information.

DO NOT expose Hose to Maximum Temperature and Maximum Working Pressure at the same time.

The fluid manufacturer's recommended maximum operating temperature for the fluid must not be exceeded. If different to the temperatures listed in the following table, the lower limit must take precedence. We recommend keeping the hose filled with the pressure medium at all times. Further information available on request.

HOSE

SPECIFICATIONS SUMMARY

HOSE COVER	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
ENERGY	E1, E2, EC1, EC2, DK1E, DK2E				
DIEHARD	T3000D, T4000D, T5000D, T6000D, T1D, T2D, TXA2D, DF1D, DF2D, DK1D, DK2D, TJ2D, PL1D	H3000D, H4000D, H5000D. H6000D, C6000D, H12D, R4SPD, R4SHD			
SLIDER	T3000S, T4000S, T5000S, T6000S, T1S, T2S, DK1S, DK2S	H3000S, H4000S, H5000S. H6000S, C6000S, H12S			
SURVIVOR	BT1 ***	DB2	RQP1, RQP2		
ICEBREAKER					T3600C, H5000C, T2C
OTHER SERIES	SRF, SRX, M2, T5, T1F, PL1, PL1PV, CS1000, MS1000		RQP5, RQP6	TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000, TPGL	

MEDIA	TEMPERATURE LIMITS				
GENERAL PURPOSE MINERAL PETROLEUM BASED HYDRAULIC OIL [1]	-40°C to +100°C -40°F to +212°F RQP6: -40° to +125°C -40°F to +257°F	-40°C to +121°C -40°F to +250°F	-40°C to +150°C -40°F to +302°F	-40°C to +95°C -40°F to +203°F	-60°C to +100°C -76°F to +212°F
WATER	0°C to +71°C +32°F to +160°F	0°C to +71°C +32°F to +160°F	0°C to +121°C +32°F +250°F	0°C to +70°C +32°F to +158°F	0°C to +71°C +32°F to +160°F
WATER IN MINERAL OIL 40% to 80% water	-40°C to +85°C -40°F to +185°F	-40°C to +85°C -40°F to +185°F	-40°C +121°C -40°F +250°F	-40°C to +70°C -40°F to +158°F	-60°C to +80°C -60°F to +176°F
MINERAL OIL IN WATER more than 80% water	-40°C to +85°C -40°F to+185°F	-40°C to +85°C -40°F to+185°F	-40°C to +121°C -40°F to +250°F	-40°C to +70°C -40°F to +158°F	-60°C to +80°C -60°F to +176°F
WATER/GLYCOL	-40°C to +85°C -40°F to +185°F	-40°C to +85°C -40°F to +185°F	-40°C to +121°C -40°F to +250°F	-40°C to +70°C -40°F to +158°F	-60°C to +80°C -60°F to +176°F
GLYCOL	-40°C to +85°C -40°F to +185°F	-40°C to +85°C -40°F to +185°F	-40°C to+85°C -40°F to +185°F	-40°C to+70°C -40°F to +158°F	-60°C to +80°C -60°F to +176°F
PHOSPHATE ESTERS [2]	Not suitable	Not suitable	Not suitable for RQP1 and RQP2 see Note 2	40°C to +70°C -40°F to +158°F see Note 2	Not suitable
AIR [3]	RQP6: -40°C to +100°C -40°F to +212°F *** OTHERS:+71°C +160°F	-40°C to +71°C -40°F to +160°F see Note 3	-40°C to +121°C -40°F to +250°F see Note 3	-40°C to +71°C -40°F to +160°F see Note 3	-60°C to +71°C -60°F to +160°F
PETROL GASOLINE	Contact RYCO	Contact RYCO	Contact RYCO	Contact RYCO	Contact RYCO
DIESEL FUEL	PL1D: -40°C to +49°C -40°F to +160°F T5: -40°C to +71°C -40°F to +160°F RQP6: -40°C to +71°C -40°F to +160°F OTHERS: +50°C +122°F	-40°C to +50°C -40°F to +122°F	RQP1 and RQP2 -40°C to 100°C -40°F to +212°F		-60°C to +71°C -60°F to +160°F
ENGINE LUBRICATING OIL, GEARBOX OIL	-40°C to +100°C -40°F to +212°F	-40°C to +100°C -40°F to +212°F	-40°C to +100°C -40°F to +212°F	-40°C to +95°C -40°F to +203°F	-60°C to +80°C -60°F to +176°F
AUTOMATIC TRANSMISSION FLUID	-40°C to +100°C -40°F to +212°F	-40°C to +100°C -40°F to +212°F	-40°C to +100°C -40°F to +212°F	-40°C to +95°C -40°F to +203°F	-60°C to +80°C -60°F to +176°F

1 For highly refined and special purpose mineral based hydraulic oils for example aviation hydraulic oils, MIL spec oils, etc, contact RYCO Technical Department.

2 Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.

3 For use with Air at pressures above 17,2 bar 250 psi, cover of hose must be perforated/pin-pricked except RQP5 and T5, to allow air permeating through hose to escape without blistering the cover. Maximum working pressure of wire braid and spiral reinforced hose must be reduced by 30% except for RQP1 and RQP2. Observe all State and Federal Safety Regulations.

ISOBARIC HOSE

1/2 BEND RADIUS

MILLION CYCLE

PERFORMANCE AT A GLANCE:

H SERIES ISOBARIC SPIRAL HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (H3000) to 420 bar/6100 psi (H6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the H series Spiral range.
- Includes "World First" H6032 2" (DN51) hose.

T SERIES ISOBARIC BRAID HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (T3000) to 420 bar/6100 psi (T6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the T series Braid hose range.
- T3000 Braid is proven to impulse test of one million cycles in all sizes.
- Meets and exceeds the performance requirements of ISO 18752 (all series).

Up to half SAE minimum bend radius for T Series Isobaric Braid Hose and H Series Isobaric Spiral Hose.
H Series Isobaric Spiral and T3000 tested to one million impulse cycles.

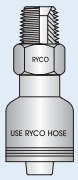
RYCO MATCHED SYSTEM

RYCO hoses and couplings are designed and engineered to match for maximum safety, leak free performance and exceptional productivity and reliability.

H SERIES SPIRAL HOSE:

T6000 SERIES
Non-skive one-piece crimp

For RYCO Hose Series:
H5000 sizes -24 to -32.
H6000 sizes -12 to -32.



T7000 SERIES
Non-skive one-piece crimp

For RYCO Hose Series:
H3000, H4000 all sizes.
H5000 sizes -06 to -24.
H6000 sizes -06 to -20.
H12D, H12S all sizes.
R4SHD sizes -20 to -32
D2B sizes -24 to -32

T SERIES BRAID HOSE:

T2000 SERIES
Non-skive one-piece crimp

For RYCO Hose Series:
T3000, T3600, T4000, T5000 & T6000 all sizes.

E2 sizes -06 to -16.

D2B sizes -24 to -32

RYCO HOSE COVERS:

DIEHARD™

- Extra abrasion resistant
- MSHA flame resistant
- FRAS flame resistant and anti-static

SLIDER

- Extremely abrasion resistant
- MSHA flame resistant

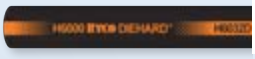
LAYLINE IDENTIFICATION

Colour-coded system enables easy and permanent identification of hoses.

PRESSURE RANGE/HOSE SERIES:

	420 bar/6100 psi
	350 bar/5100 psi
	280 bar/4100 psi
	250 bar/3625 psi
	215 bar/3100 psi

COVER TYPE:



DIEHARD™

SLIDER

PART NUMBER:

Incorporates information relating to RYCO hose series, nominal hose size, and cover type in a simple, concise manner.

SIZE:

The nominal size of the hose is displayed in three commonly used formats (example shown below in appearance of order):

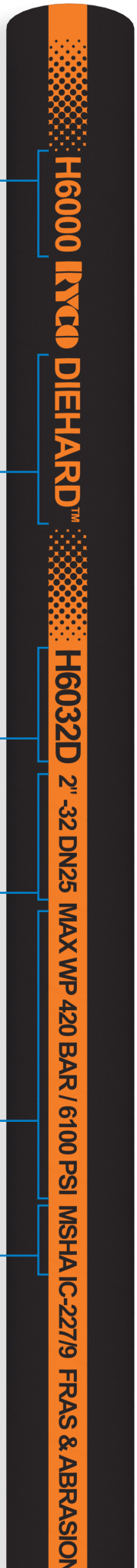
2″ (Inch Size)
-32 (Dash Size)
DN51 (Metric / DN Size)

WORKING PRESSURE:

RYCO Isobaric range of hose working pressures vary from 215 bar/3100 psi to 420 bar /6100 psi.

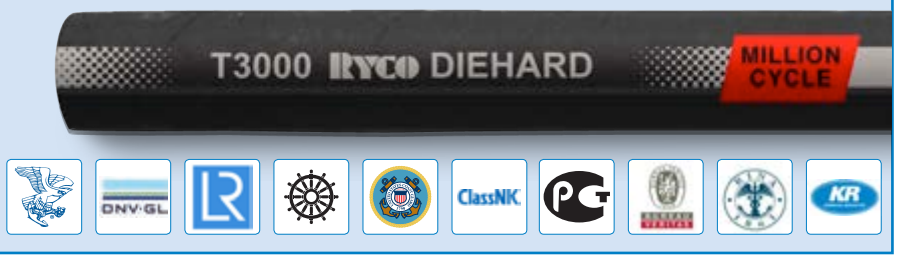
FLAME RESISTANCE:

Flame Resistance and Anti-Static (FRAS) and/or MSHA flame resistance properties of the hose are clearly stated and visible.



T3000D

EXTRA ABRASION RESISTANT
FRAS
COMPACT ISOBARIC HOSE
215 BAR / 3100 PSI
MILLION CYCLE



RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
ISO 18752-BC, SAE 100R17.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 to -08 size) or two braids (-10 to -16 size) of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles**.
Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, CLASSNK, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T3000D – DIEHARD COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T3004D	6	-04	6,6	1/4	11,8	0.46	245	3500	980	14000	38	1.5	0,16	0.11	T2000
T3005D	8	-05	8,2	5/16	14,4	0.57	245	3500	980	14000	40	1.6	0,23	0.15	T2000
T3006D	10	-06	9,8	3/8	15,6	0.61	215	3100	860	12400	65	2.6	0,26	0.18	T2000
T3008D	12	-08	13,0	1/2	18,7	0.74	215	3100	860	12400	90	3.6	0,36	0.24	T2000
T3010D	16	-10	16,2	5/8	23,4	0.92	215	3100	860	12400	100	3.9	0,56	0.38	T2000
T3012D	19	-12	19,1	3/4	27,6	1.09	215	3100	860	12400	120	4.7	0,78	0.52	T2000
T3016D	25	-16	25,4	1	34,8	1.37	215	3100	860	12400	150	5.9	1,14	0.77	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths,

T3000S

EXTREMELY ABRASION RESISTANT MSHA COMPACT ISOBARIC HOSE 215 BAR / 3100 PSI **MILLION CYCLE**

RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
ISO 18752-BC, SAE 100R17.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 to -08 size) or two braids (-10 to -16 size) of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles**.
Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T3000S – SLIDER COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T3004S	6	-04	6,6	1/4	11,8	0.46	245	3500	980	14000	38	1.5	0,16	0.11	T2000
T3005S	8	-05	8,2	5/16	14,4	0.57	245	3500	980	14000	40	1.6	0,23	0.15	T2000
T3006S	10	-06	9,8	3/8	15,6	0.61	215	3100	860	12400	65	2.6	0,26	0.18	T2000
T3008S	12	-08	13,0	1/2	18,7	0.74	215	3100	860	12400	90	3.6	0,36	0.24	T2000
T3010S	16	-10	16,2	5/8	23,4	0.92	215	3100	860	12400	100	3.9	0,56	0.38	T2000
T3012S	19	-12	19,1	3/4	27,6	1.09	215	3100	860	12400	120	4.7	0,78	0.52	T2000
T3016S	25	-16	25,4	1	34,8	1.37	215	3100	860	12400	150	5.9	1,14	0.77	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T3600C

LOW TEMPERATURE COMPACT ISOBARIC HOSE 250 BAR / 3625 PSI

RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, specially formulated oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

TEMPERATURE RANGE:
From -60°C to +100°C (-76°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

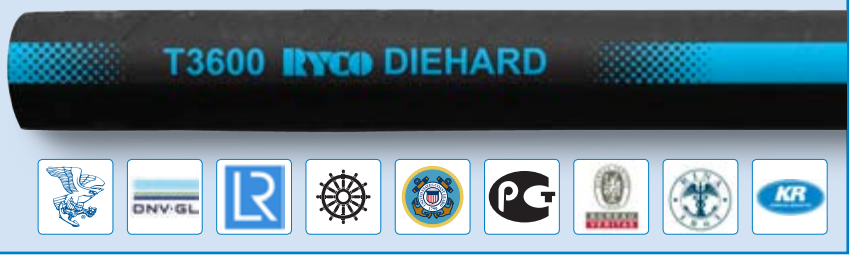
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T3600D – DIEHARD COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T3604C	6	-04	6,6	1/4	11,8	0.46	250	3625	1000	14500	38	1.5	0,16	0.11	T2000
T3605C	8	-05	8,2	5/16	14,4	0.57	250	3625	1000	14500	40	1.6	0,23	0.15	T2000
T3606C	10	-06	9,8	3/8	15,6	0.61	250	3625	1000	14500	49	1.9	0,27	0.18	T2000
T3608C	12	-08	13,0	1/2	19,9	0.78	250	3625	1000	14500	68	2.7	0,45	0.30	T2000
T3610C	16	-10	16,2	5/8	23,4	0.92	250	3625	1000	14500	75	3.0	0,61	0.41	T2000
T3612C	19	-12	19,1	3/4	27,6	1.09	250	3625	1000	14500	90	3.6	0,78	0.52	T2000
T3616C	25	-16	25,4	1	35,2	1.39	250	3625	1000	14500	115	4.5	1,30	0.87	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T3600D

EXTRA ABRASION RESISTANT FRAS COMPACT ISOBARIC HOSE 250 BAR / 3625 PSI



RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 250 bar / 3625 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 impulse cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T3600D – DIEHARD COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T3604D	6	-04	6,6	1/4	11,8	0.46	250	3625	1000	14500	38	1.5	0,16	0.11	T2000
T3605D	8	-05	8,2	5/16	14,4	0.57	250	3625	1000	14500	40	1.6	0,23	0.15	T2000
T3606D	10	-06	9,8	3/8	15,6	0.61	250	3625	1000	14500	49	1.9	0,27	0.18	T2000
T3608D	12	-08	13,0	1/2	19,9	0.78	250	3625	1000	14500	68	2.7	0,45	0.30	T2000
T3610D	16	-10	16,2	5/8	23,4	0.92	250	3625	1000	14500	75	3.0	0,61	0.41	T2000
T3612D	19	-12	19,1	3/4	27,6	1.09	250	3625	1000	14500	90	3.6	0,78	0.52	T2000
T3616D	25	-16	25,4	1	35,2	1.39	250	3625	1000	14500	115	4.5	1,30	0.87	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T3600S

EXTREMELY ABRASION RESISTANT COMPACT ISOBARIC HOSE 250 BAR / 3625 PSI

RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 250 bar / 3625 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 impulse cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

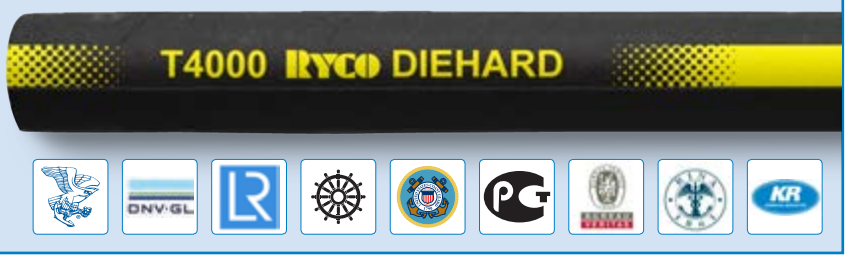
COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T3600S – SLIDER COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T3604S	6	-04	6,6	1/4	11,8	0.46	250	3625	1000	14500	38	1.5	0,16	0.11	T2000
T3605S	8	-05	8,2	5/16	14,4	0.57	250	3625	1000	14500	40	1.6	0,23	0.15	T2000
T3606S	10	-06	9,8	3/8	15,6	0.61	250	3625	1000	14500	49	1.9	0,27	0.18	T2000
T3608S	12	-08	13,0	1/2	19,9	0.78	250	3625	1000	14500	68	2.7	0,45	0.30	T2000
T3610S	16	-10	16,2	5/8	23,4	0.92	250	3625	1000	14500	75	3.0	0,61	0.41	T2000
T3612S	19	-12	19,1	3/4	27,6	1.09	250	3625	1000	14500	90	3.6	0,78	0.52	T2000
T3616S	25	-16	25,4	1	35,2	1.39	250	3625	1000	14500	115	4.5	1,30	0.87	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T4000D

EXTRA ABRASION RESISTANT FRAS COMPACT ISOBARIC HOSE 280 BAR / 4100 PSI



RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
ISO 18752-BC, SAE 100R19.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 size) or two braids (-05 to -16 size) of high tensile wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T3000 (-16) Series Crimp Couplings.

FEATURES:
Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T4000D – DIEHARD COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T4004D	6	-04	6,6	1/4	11,8	0.46	280	4100	1120	16400	50	2.0	0,17	0.12	T2000
T4005D	8	-05	8,2	5/16	15,6	0.61	280	4100	1120	16400	55	2.2	0,34	0.23	T2000
T4006D	10	-06	9,8	3/8	16,6	0.65	280	4100	1120	16400	65	2.6	0,37	0.25	T2000
T4008D	12	-08	13,0	1/2	20,6	0.81	280	4100	1120	16400	90	3.6	0,51	0.34	T2000
T4010D	16	-10	16,2	5/8	23,4	0.92	280	4100	1120	16400	100	3.9	0,61	0.41	T2000
T4012D	19	-12	19,1	3/4	28,4	1.12	280	4100	1120	16400	120	4.7	0,92	0.62	T2000
T4016D	25	-16	25,4	1	33,9	1.34	280	4100	1120	16400	160	6.3	1,27	0.85	T3000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T4000S

EXTREMELY ABRASION RESISTANT MSHA COMPACT ISOBARIC HOSE 280 BAR / 4100 PSI

RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC, SAE 100R19.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid (-04 size) or two braids (-05 to -16 size) of high tensile wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T3000 (-16) Series Crimp Couplings.

FEATURES:
Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

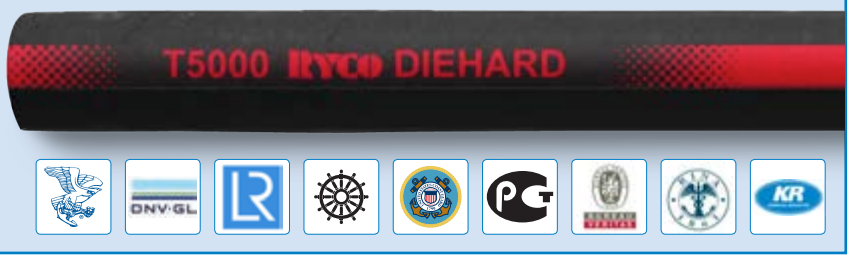
COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -12) pages 187 to 232.
Assembly Instructions pages 478.

T4000S – SLIDER COMPACT ISOBARIC HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T4004S	6	-04	6,6	1/4	11,8	0.46	280	4100	1120	16400	50	2.0	0,17	0.12	T2000
T4005S	8	-05	8,2	5/16	15,6	0.61	280	4100	1120	16400	55	2.2	0,34	0.23	T2000
T4006S	10	-06	9,8	3/8	16,6	0.65	280	4100	1120	16400	65	2.6	0,37	0.25	T2000
T4008S	12	-08	13,0	1/2	20,6	0.81	280	4100	1120	16400	90	3.6	0,51	0.34	T2000
T4010S	16	-10	16,2	5/8	23,4	0.92	280	4100	1120	16400	100	3.9	0,61	0.41	T2000
T4012S	19	-12	19,1	3/4	28,4	1.12	280	4100	1120	16400	120	4.7	0,92	0.62	T2000
T4016S	25	-16	25,4	1	33,9	1.34	280	4100	1120	16400	160	6.3	1,27	0.85	T3000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T5000D

EXTRA ABRASION RESISTANT FRAS COMPACT ISOBARIC HOSE 350 BAR / 5100 PSI



RECOMMENDED FOR:
Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

T5000D – DIEHARD COMPACT ISOBARIC HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T5004D	6	-04	6,6	1/4	13,2	0.52	350	5100	1400	20400	50	2.0	0,28	0.19	T2000
T5005D	8	-05	8,2	5/16	15,6	0.61	350	5100	1400	20400	55	2.2	0,34	0.23	T2000
T5006D	10	-06	9,8	3/8	17,1	0.67	350	5100	1400	20400	65	2.6	0,41	0.28	T2000
T5008D	12	-08	13,0	1/2	20,6	0.81	350	5100	1400	20400	90	3.6	0,57	0.38	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T5000S

EXTREMELY ABRASION RESISTANT MSHA COMPACT ISOBARIC HOSE 350 BAR / 5100 PSI

RECOMMENDED FOR:
Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Constant pressure 350 bar/5100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

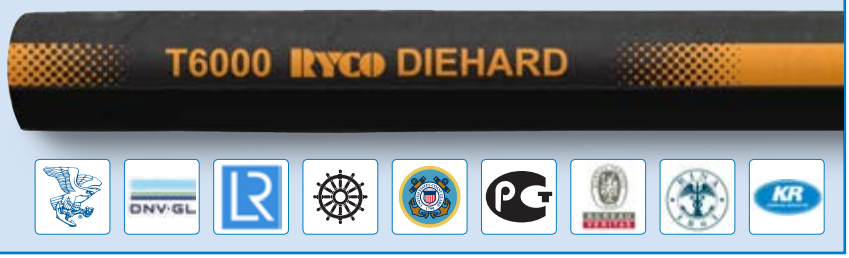
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -08) pages 187 to 232.
Assembly Instructions pages 478.

T5000S – SLIDER COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T5004S	6	-04	6,6	1/4	13,2	0.52	350	5100	1400	20400	50	2.0	0,28	0.19	T2000
T5005S	8	-05	8,2	5/16	15,6	0.61	350	5100	1400	20400	55	2.2	0,34	0.23	T2000
T5006S	10	-06	9,8	3/8	17,1	0.67	350	5100	1400	20400	65	2.6	0,41	0.28	T2000
T5008S	12	-08	13,0	1/2	20,6	0.81	350	5100	1400	20400	90	3.6	0,57	0.38	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T6000D

EXTRA ABRASION RESISTANT FRAS COMPACT ISOBARIC HOSE 420 BAR / 6100 PSI



RECOMMENDED FOR:
Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -06) pages 187 to 232.
Assembly Instructions pages 478.

T6000D – DIEHARD COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T6004D	6	-04	6,6	1/4	13,2	0.52	420	6100	1680	24400	50	2.0	0,28	0.19	T2000
T6005D	8	-05	8,2	5/16	15,6	0.61	420	6100	1680	24400	55	2.2	0,35	0.24	T2000
T6006D	10	-06	9,8	3/8	17,6	0.69	420	6100	1680	24400	65	2.6	0,47	0.32	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T6000S

EXTREMELY ABRASION RESISTANT MSHA COMPACT ISOBARIC HOSE 420 BAR / 6100 PSI

RECOMMENDED FOR:
Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

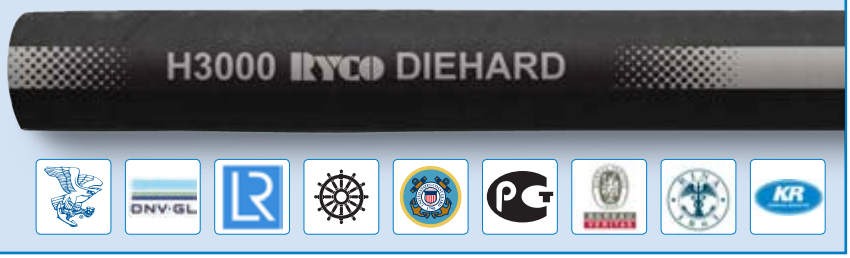
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -06) pages 187 to 232.
Assembly Instructions pages 478.

T6000S – SLIDER COMPACT ISOBARIC HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T6004S	6	-04	6,6	1/4	13,2	0.52	420	6100	1680	24400	50	2.0	0,28	0.19	T2000
T6005S	8	-05	8,2	5/16	15,6	0.61	420	6100	1680	24400	55	2.2	0,35	0.24	T2000
T6006S	10	-06	9,8	3/8	17,6	0.69	420	6100	1680	24400	65	2.6	0,47	0.32	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H3000D

EXTRA ABRASION RESISTANT FRAS ISOBARIC SPIRAL HOSE 215 BAR / 3100 PSI **MILLION CYCLE**



RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: EN 856 Type R12, EN 856 Type 4SP, ISO 18752-DC, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -20 to -32) pages 187 to 232.
Assembly Instructions pages 478.

H3000D – DIEHARD ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H3020D	31	-20	31,8	1.1/4	45,7	1.80	215	3100	860	12400	200	7.9	2,27	1.53	T7000
H3024D	38	-24	38,1	1.1/2	50,3	1.98	215	3100	860	12400	250	9.8	2,35	1.58	T7000
H3032D	51	-32	50,8	2	63,3	2.49	215	3100	860	12400	400	15.8	3,40	2.28	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H3000S

EXTREMELY ABRASION RESISTANT MSHA ISOBARIC SPIRAL HOSE 215 BAR / 3100 PSI **MILLION CYCLE**

RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: EN 856 Type R12, EN 856 Type 4SP, ISO 18752-DC, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

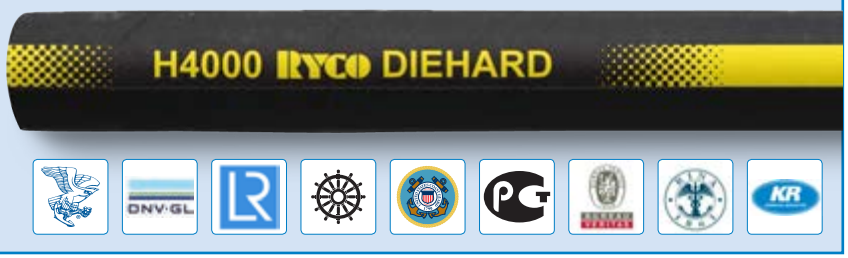
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -20 to -32) pages 272 to 302.
Assembly Instructions pages 478.

H3000S – SLIDER ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H3020S	31	-20	31,8	1.1/4	45,7	1.80	215	3100	860	12400	200	7.9	2,27	1.53	T7000
H3024S	38	-24	38,1	1.1/2	50,3	1.98	215	3100	860	12400	250	9.8	2,35	1.58	T7000
H3032S	51	-32	50,8	2	63,3	2.49	215	3100	860	12400	400	15.8	3,40	2.28	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H4000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
280 BAR / 4100 PSI
MILLION CYCLE



RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type R12, EN 856 Type 4SP (size DN25, -16),
ISO 18752-DC, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -24 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -32) pages 272 to 302.
Assembly Instructions pages 478.

H4000D – DIEHARD ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H4006D	10	-06	9,5	3/8	19,3	0.76	280	4100	1120	16400	60	2.4	0,61	0.41	T7000
H4008D	12	-08	12,7	1/2	22,7	0.89	280	4100	1120	16400	90	3.5	0,78	0.52	T7000
H4010D	16	-10	15,9	5/8	24,9	0.98	280	4100	1120	16400	100	3.9	0,76	0.51	T7000
H4012D	19	-12	19,1	3/4	30,0	1.18	280	4100	1120	16400	120	4.7	1,13	0.76	T7000
H4016D	25	-16	25,4	1	36,9	1.45	280	4100	1120	16400	150	5.9	1,60	1.08	T7000
H4020D	31	-20	31,8	1.1/4	44,0	1.73	280	4100	1120	16400	210	8.3	2,07	1.39	T7000
H4024D	38	-24	38,1	1.1/2	50,8	2.00	280	4100	1120	16400	330	13.0	2,65	1.78	T7000
H4032D	51	-32	50,8	2	66,4	2.61	280	4100	1120	16400	400	15.8	4,73	3.18	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H4000S

EXTREMELY ABRASION RESISTANT
MSHA
ISOBARIC SPIRAL HOSE
280 BAR / 4100 PSI
MILLION CYCLE

RECOMMENDED FOR:
High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: EN 856 Type R12, EN 856 Type 4SP (size DN25, -16), ISO 18752-DC, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -24 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -32) pages 272 to 302.
Assembly Instructions pages 478.

H4000S – SLIDER ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H4006S	10	-06	9,5	3/8	19,3	0.76	280	4100	1120	16400	60	2.4	0,61	0.41	T7000
H4008S	12	-08	12,7	1/2	22,7	0.89	280	4100	1120	16400	90	3.5	0,78	0.52	T7000
H4010S	16	-10	15,9	5/8	24,9	0.98	280	4100	1120	16400	100	3.9	0,76	0.51	T7000
H4012S	19	-12	19,1	3/4	30,0	1.18	280	4100	1120	16400	120	4.7	1,13	0.76	T7000
H4016S	25	-16	25,4	1	36,9	1.45	280	4100	1120	16400	150	5.9	1,60	1.08	T7000
H4020S	31	-20	31,8	1.1/4	44,0	1.73	280	4100	1120	16400	210	8.3	2,07	1.39	T7000
H4024S	38	-24	38,1	1.1/2	50,8	2.00	280	4100	1120	16400	330	13.0	2,65	1.78	T7000
H4032S	51	-32	50,8	2	66,4	2.61	280	4100	1120	16400	400	15.8	4,73	3.18	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H5000C

LOW TEMPERATURE ISOBARIC SPIRAL HOSE 350 BAR / 5100 PSI

RECOMMENDED FOR:
Very high pressure hydraulic oil lines in application where low temprature enviromental conditions exist. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type R13, ISO 18752-CC, SAE100R13.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-12 to -20 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:
Black, oil and abrasion resistant synthetic rubber.

FEATURES:
Low temperature hose (-60°C/-76°F). Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection.
Small bend radius is an advantage in installations.

TEMPERATURE RANGE:
-60°C to +100°C (-76°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

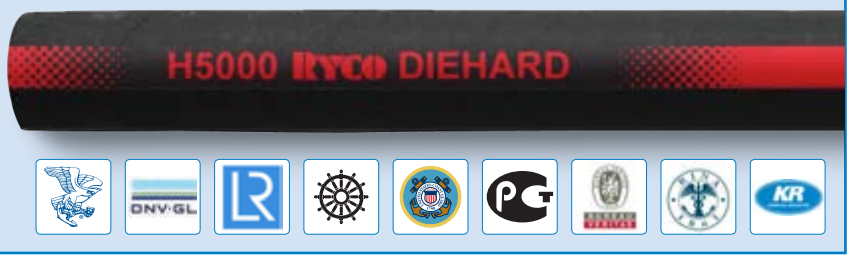
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -12 to -20) pages 272 to 302.
Assembly Instructions pages 478.

H5000C – ICEBREAKER ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H5012C	19	-12	19,1	3/4	29,6	1.17	350	5100	1400	20400	120	4.7	1,21	0.81	T7000
H5016C	25	-16	25,4	1	36,8	1.45	350	5100	1400	20400	150	5.9	1,72	1.16	T7000
H5020C	31	-20	31,8	1.1/4	45,0	1.77	350	5100	1400	20400	210	8.3	2,42	1.63	T7000
H5024C	38	-24	38,1	1.1/2	52,7	2.07	350	5100	1400	20400	330	13	3,44	2.31	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H5000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
350 BAR / 5100 PSI
MILLION CYCLE



RECOMMENDED FOR:
Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type R13, ISO 18752-CC, SAE 100R13.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -20 size) and six (-24 to -32 size) alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 & T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R13 Minimum Bend Radius. Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -24) pages 272 to 302.
T6000 Series (size -12 to -32) pages 250 to 270.
Assembly Instructions pages 478.

H5000D – DIEHARD ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
PART NO	HOSE SIZE															
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
H5006D	10	-06	9,5	3/8	19,3	0.76	350	5100	1400	20400	60	2.4	0,61	0.41		T7000
H5008D	12	-08	12,7	1/2	22,7	0.89	350	5100	1400	20400	90	3.5	0,78	0.52		T7000
H5010D	16	-10	15,9	5/8	26,2	1.03	350	5100	1400	20400	100	3.9	0,98	0.66		T7000
H5012D	19	-12	19,1	3/4	29,6	1.17	350	5100	1400	20400	120	4.7	1,21	0.81	T6000	T7000
H5016D	25	-16	25,4	1	36,8	1.45	350	5100	1400	20400	150	5.9	1,72	1.16	T6000	T7000
H5020D	31	-20	31,8	1.1/4	45,0	1.77	350	5100	1400	20400	210	8.3	2,42	1.63	T6000	T7000
H5024D	38	-24	38,1	1.1/2	52,7	2.07	350	5100	1400	20400	330	13.0	3,44	2.31	T6000	T7000
H5032D	51	-32	50,8	2	67,5	2.66	350	5100	1400	20400	400	15.8	5,40	3.63	T6000	

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H5000S

EXTREMELY ABRASION RESISTANT MSHA ISOBARIC SPIRAL HOSE 350 BAR / 5100 PSI **MILLION CYCLE**

RECOMMENDED FOR:
Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type R13, ISO 18752-CC, SAE 100R13.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -20 size) and six (-24 to -32 size) alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 & T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R13 Minimum Bend Radius. Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

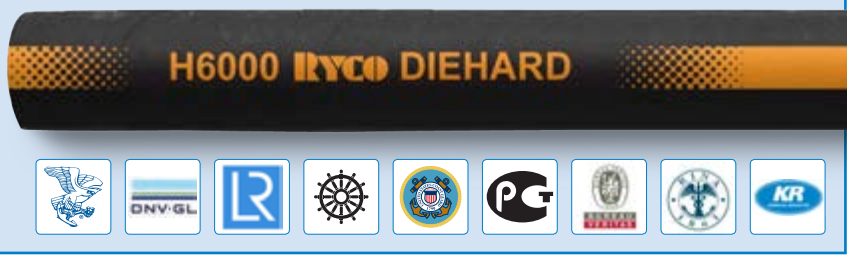
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -24) pages 272 to 302.
T6000 Series (size -12 to -32) pages 250 to 270.
Assembly Instructions pages 478.

H5000S – SLIDER ISOBARIC SPIRAL HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
H5006S	10	-06	9,5	3/8	19,3	0.76	350	5100	1400	20400	60	2.4	0,61	0.41		T7000
H5008S	12	-08	12,7	1/2	22,7	0.89	350	5100	1400	20400	90	3.5	0,78	0.52		T7000
H5010S	16	-10	15,9	5/8	26,2	1.03	350	5100	1400	20400	100	3.9	0,98	0.66		T7000
H5012S	19	-12	19,1	3/4	29,6	1.17	350	5100	1400	20400	120	4.7	1,21	0.81	T6000	T7000
H5016S	25	-16	25,4	1	36,8	1.45	350	5100	1400	20400	150	5.9	1,72	1.16	T6000	T7000
H5020S	31	-20	31,8	1.1/4	45,0	1.77	350	5100	1400	20400	210	8.3	2,42	1.63	T6000	T7000
H5024S	38	-24	38,1	1.1/2	52,7	2.07	350	5100	1400	20400	330	13.0	3,44	2.31	T6000	T7000
H5032S	51	-32	50,8	2	67,5	2.66	350	5100	1400	20400	400	15.8	5,40	3.63	T6000	

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H6000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE



RECOMMENDED FOR:
Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type R15, ISO 18752-CC, SAE 100R15.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -16 size), six (-20 to -24 size) and eight (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. **World First:** World's first 2" (-32) hose tested to 1 million impulse cycles at 400mm (15.8") Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -20) pages 272 to 302.
T6000 Series (size -12 to -32) pages 250 to 270.
Assembly Instructions pages 478.

H6000D – DIEHARD ISOBARIC SPIRAL HOSE																
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
H6006D	10	-06	9,5	3/8	19,3	0.76	420	6100	1680	24400	75	2.9	0,61	0.41		T7000
H6008D	12	-08	12,7	1/2	22,7	0.89	420	6100	1680	24400	100	3.9	0,78	0.52		T7000
H6010D	16	-10	15,9	5/8	26,2	1.03	420	6100	1680	24400	110	4.3	1,00	0.67		T7000
H6012D	19	-12	19,1	3/4	30,6	1.20	420	6100	1680	24400	115	4.5	1,38	0.93	T6000	T7000
H6016D	25	-16	25,4	1	37,5	1.48	420	6100	1680	24400	165	6.5	1,99	1.34	T6000	T7000
H6020D	31	-20	31,8	1.1/4	46,4	1.83	420	6100	1680	24400	220	8.7	2,97	2.00	T6000	T7000
H6024D	38	-24	38,1	1.1/2	53,1	2.09	420	6100	1680	24400	350	13.8	3,81	2.56	T6000	
H6032D	51	-32	50,8	2	71,5	2.81	420	6100	1680	24400	400	15.8	7,10	4.77	T6000	

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H6000S

EXTREMELY ABRASION RESISTANT MSHA ISOBARIC SPIRAL HOSE 420 BAR / 6100 PSI **MILLION CYCLE**

RECOMMENDED FOR:
Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: ISO 3862 Type R15, ISO 18752-CC, SAE 100R15.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four (-06 to -16 size), six (-20 to -24 size) and eight (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FEATURES:
Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. **World First:** World's first 2" (-32) hose tested to 1 million impulse cycles at 400mm (15.8") Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -20) pages 272 to 302.
T6000 Series (size -12 to -32) pages 250 to 270.
Assembly Instructions pages 478.

H6000S – SLIDER ISOBARIC SPIRAL HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
H6006S	10	-06	9,5	3/8	19,3	0.76	420	6100	1680	24400	75	2.9	0,61	0.41		T7000
H6008S	12	-08	12,7	1/2	22,7	0.89	420	6100	1680	24400	100	3.9	0,78	0.52		T7000
H6010S	16	-10	15,9	5/8	26,2	1.03	420	6100	1680	24400	110	4.3	1,00	0.67		T7000
H6012S	19	-12	19,1	3/4	30,6	1.20	420	6100	1680	24400	115	4.5	1,38	0.93	T6000	T7000
H6016S	25	-16	25,4	1	37,5	1.48	420	6100	1680	24400	165	6.5	1,99	1.34	T6000	T7000
H6020S	31	-20	31,8	1.1/4	46,4	1.83	420	6100	1680	24400	220	8.7	2,97	2.00	T6000	T7000
H6024S	38	-24	38,1	1.1/2	53,1	2.09	420	6100	1680	24400	350	13.8	3,81	2.56	T6000	
H6032S	51	-32	50,8	2	71,5	2.81	420	6100	1680	24400	400	15.8	7,10	4.77	T6000	

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

C6000D

ULTRA FLEXIBLE
EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE

RECOMMENDED FOR:
Ultra flexiblility and small bend radius provides easy installation in compact environments.
Extremely high pressure hydraulic oil lines.
Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
ISO 18752-CC, SAE 100R15.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Ultra flexibility combined with a small bend radius reduces effort during assembly and installations. Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -12 to -16) pages 272 to 302.
Assembly Instructions pages 478.

C6000D – DIEHARD ULTRA FLEXIBLE ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
C6012D	19	-12	19,1	3/4	28,5	1.12	420	6100	1680	24400	115	4.5	1,15	0.77	T7000
C6016D	25	-16	25,4	1	35,8	1.41	420	6100	1680	24400	165	6.5	1,75	1.17	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

C6000S

ULTRA FLEXIBLE
EXTREMELY ABRASION RESISTANT
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE

RECOMMENDED FOR:
Ultra flexiblility and small bend radius provides easy installation in compact environments.
Extremely high pressure hydraulic oil lines.
Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
ISO 18752-CC, SAE 100R15.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
Ultra flexibility combined with a small bend radius reduces effort during assembly and installations. Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
-40°C to +121°C (-40°F to +250°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -12 to -16) pages 272 to 302.
Assembly Instructions pages 478.

C6000S – SLIDER ULTRA FLEXIBLE ISOBARIC SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
C6012S	19	-12	19,1	3/4	28,5	1.12	420	6100	1680	24400	115	4.5	1,15	0.77	T7000
C6016S	25	-16	25,4	1	35,8	1.41	4.20	6100	1680	24400	165	6.5	1,75	1.17	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DF1D

EXTRA ABRASION RESISTANT
FRAS
COMPACT HOSE
ONE WIRE BRAID

RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

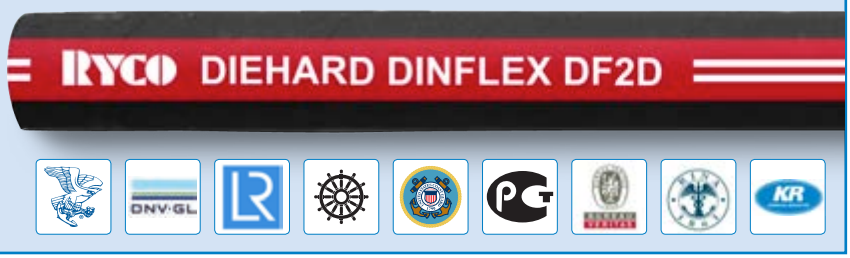
Not suitable for use with field attachable couplings.

DF1D - DINFLEX NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DF14D	6	-04	6,6	1/4	12,2	0.48	225	3250	900	13000	50	2.0	0,20	0.13	T2000
DF15D	8	-05	8,2	5/16	13,9	0.55	215	3100	860	12400	55	2.2	0,22	0.15	T2000
DF16D	10	-06	9,8	3/8	15,6	0.61	180	2600	720	10400	65	2.6	0,26	0.17	T2000
DF18D	12	-08	13,0	1/2	19,0	0.75	160	2300	640	9200	85	3.3	0,33	0.22	T2000
DF110D	16	-10	16,2	5/8	22,2	0.80	130	1900	520	7600	100	3.9	0,44	0.30	T2000
DF112D	19	-12	19,1	3/4	25,6	1.01	105	1500	420	6000	115	4.5	0,50	0.34	T2000
DF116D	25	-16	25,4	1	33,6	1.32	90	1280	360	5120	150	5.9	0,75	0.50	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DF2D

EXTRA ABRASION RESISTANT
FRAS
COMPACT HOSE
TWO WIRE BRAID



RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 11237 Type 2SC, SAE 100R16.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

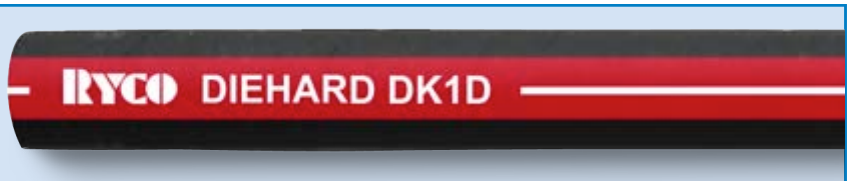
Not suitable for use with field attachable couplings.

DF2D - DINFLEX NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DF24D	6	-04	6,6	1/4	13,4	0.53	420	6100	1680	24000	50	2.0	0,28	0.19	T2000
DF25D	8	-05	8,2	5/16	14,9	0.59	350	5100	1400	20400	55	2.2	0,41	0.27	T2000
DF26D	10	-06	9,8	3/8	17,3	0.68	350	5100	1400	20400	65	2.6	0,43	0.29	T2000
DF28D	12	-08	13,0	1/2	20,3	0.80	295	4250	1180	17000	90	3.6	0,51	0.34	T2000
DF210D	16	-10	16,2	5/8	23,6	0.93	250	3625	1000	14500	100	3.9	0,63	0.42	T2000
DF212D	19	-12	19,1	3/4	27,6	1.09	215	3100	860	12400	120	4.7	0,81	0.55	T2000
DF216D	25	-16	25,4	1	35,8	1.40	170	2400	668	9700	150	5.9	1,10	0.74	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK1D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
COMPACT ONE WIRE BRAID HOSE



RECOMMENDED FOR:
Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:
RYCO Proprietary DK1D design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
DIEHARD™ Black, oil, ozone and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A, and requirements of ISO 6805 when tested in accordance with ISO 8030 and ISO 8031. Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.

DK1D - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK14D	6	-04	6,6	1/4	11,6	0.46	295	4280	1180	17120	40	1.6	0,16	0.11	T2000
DK15D	8	-05	8,5	5/16	13,4	0.53	250	3625	1000	14500	50	2.0	0,20	0.13	T2000
DK16D	10	-06	9,8	3/8	15,0	0.59	230	3340	920	13360	65	2.6	0,24	0.16	T2000
DK18D	12	-08	13,0	1/2	18,3	0.72	200	2900	800	11600	80	3.1	0,31	0.21	T2000
DK110D	16	-10	16,1	5/8	21,5	0.85	150	2175	600	8700	100	3,9	0,38	0.26	T2000
DK112D	19	-12	19,1	3/4	24,7	0.97	125	1815	500	7260	120	4.7	0,44	0.30	T2000
DK116D	25	-16	25,4	1	31,6	1.24	110	1600	440	6400	150	5,9	0,61	0.41	T2000
DK120D	31	-20	31,8	1.1/4	38,4	1.51	100	1450	400	5800	200	7.9	0,79	0.53	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK1E

EXTRA HIGH PRESSURE
COMPACT ONE WIRE BRAID HOSE

RECOMMENDED FOR:
Extra high pressure hydraulic oil lines in applications.
Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:
RYCO Proprietary DK1E design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -20) pages 187 to 232.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.

DK1E - ENERGY EXTRA HIGH PRESSURE NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK14E	6	-04	6,6	1/4	11,6	0.46	295	4280	1180	17120	40	1.6	0,16	0.11	T2000
DK15E	8	-05	8,5	5/16	13,4	0.53	250	3625	1000	14500	50	2.0	0,20	0.13	T2000
DK16E	10	-06	9,8	3/8	15,0	0.59	230	3340	920	13360	65	2.6	0,24	0.16	T2000
DK18E	12	-08	13,0	1/2	18,3	0.72	200	2900	800	11600	80	3.1	0,31	0.21	T2000
DK110E	16	-10	16,1	5/8	21,5	0.85	150	2175	600	8700	100	3,9	0,38	0.26	T2000
DK112E	19	-12	19,1	3/4	24,7	0.97	125	1815	500	7260	120	4.7	0,44	0.30	T2000
DK116E	25	-16	25,4	1	31,6	1.24	110	1600	440	6400	150	5,9	0,61	0.41	T2000
DK120E	31	-20	31,8	1.1/4	38,4	1.51	100	1450	400	5800	200	7.9	0,79	0.53	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK1S

EXTREMELY ABRASION RESISTANT
EXTRA HIGH PRESSURE
COMPACT ONE WIRE BRAID HOSE

RECOMMENDED FOR:
Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:
RYCO Proprietary DK1S design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The extremely abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

MSHA - FLAME RESISTANCE:
SLIDER meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -20) pages 187 to 232.
Assembly Instructions pages 478.

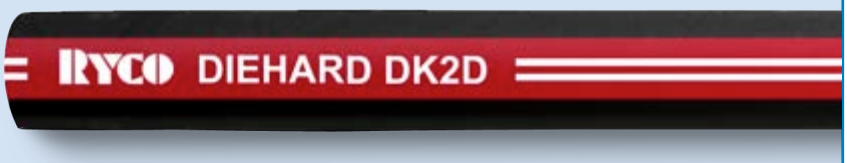
Not suitable for use with field attachable couplings.

DK1S - SLIDER EXTRA HIGH PRESSURE NON-SKIVE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK14S	6	-04	6,6	1/4	11,6	0.46	295	4280	1180	17120	40	1.6	0,16	0.11	T2000
DK15S	8	-05	8,5	5/16	13,4	0.53	250	3625	1000	14500	50	2.0	0,20	0.13	T2000
DK16S	10	-06	9,8	3/8	15,0	0.59	230	3340	920	13360	65	2.6	0,24	0.16	T2000
DK18S	12	-08	13,0	1/2	18,3	0.72	200	2900	800	11600	80	3.1	0,31	0.21	T2000
DK110S	16	-10	16,1	5/8	21,5	0.85	150	2175	600	8700	100	3,9	0,38	0.26	T2000
DK112S	19	-12	19,1	3/4	24,7	0.97	125	1815	500	7260	120	4.7	0,44	0.30	T2000
DK116S	25	-16	25,4	1	31,6	1.24	110	1600	440	6400	150	5,9	0,61	0.41	T2000
DK120S	31	-20	31,8	1.1/4	38,4	1.51	100	1450	400	5800	200	7.9	0,79	0.53	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK2D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
COMPACT TWO WIRE BRAID HOSE



TESTED UP TO 1 MILLION CYCLES

RECOMMENDED FOR:
Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:
RYCO Proprietary DK2D design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil, ozone and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A, and requirements of ISO 6805 when tested in accordance with ISO 8030 and ISO 8031.
Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -06) pages 187 to 232.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.

DK2D - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK24D	6	-04	6,6	1/4	13,7	0.54	450	6525	1800	26100	45	1.8	0,30	0.20	T2000
DK25D	8	-05	8,5	5/16	15,2	0.60	420	6100	1680	24400	60	2.4	0,36	0.24	T2000
DK26D	10	-06	9,8	3/8	17,1	0.67	385	5590	1540	22360	70	2.8	0,41	0.27	T2000
DK28D	12	-08	13,0	1/2	20,3	0.80	350	5100	1400	20400	90	3.5	0,55	0.37	T2000
DK210D	16	-10	16,1	5/8	24,1	0.95	290	4210	1160	16840	130	5.1	0,69	0.46	T2000
DK212D	19	-12	19,1	3/4	27,8	1.09	280	4100	1120	16400	160	6.3	0,88	0.59	T2000
DK216D	25	-16	25,4	1	35,6	1.40	200	2900	800	11600	210	8.3	1,31	0.88	T2000
DK220D	31	-20	31,8	1.1/4	43,5	1.71	175	2540	700	10160	280	11.0	1,70	1.14	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK2E

EXTRA HIGH PRESSURE
COMPACT TWO WIRE BRAID HOSE

TESTED UP TO 1 MILLION CYCLES

RECOMMENDED FOR:
High pressure hydraulic oil lines. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:
RYCO Proprietary DK2E design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -20) pages 187 to 232.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.

DK2E - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK24E	6	-04	6,6	1/4	13,7	0.54	450	6525	1800	26100	45	1.8	0,30	0.20	T2000
DK25E	8	-05	8,5	5/16	15,2	0.60	420	6100	1680	24400	60	2.4	0,36	0.24	T2000
DK26E	10	-06	9,8	3/8	17,1	0.67	385	5590	1540	22360	70	2.8	0,41	0.27	T2000
DK28E	12	-08	13,0	1/2	20,3	0.80	350	5100	1400	20400	90	3.5	0,55	0.37	T2000
DK210E	16	-10	16,1	5/8	24,1	0.95	290	4210	1160	16840	130	5.1	0,69	0.46	T2000
DK212E	19	-12	19,1	3/4	27,8	1.09	280	4100	1120	16400	160	6.3	0,88	0.59	T2000
DK216E	25	-16	25,4	1	35,6	1.40	200	2900	800	11600	210	8.3	1,31	0.88	T2000
DK220E	31	-20	31,8	1.1/4	43,5	1.71	175	2540	700	10160	280	11.0	1,70	1.14	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK2S

EXTREMELY ABRASION RESISTANT
EXTRA HIGH PRESSURE
COMPACT TWO WIRE BRAID HOSE

TESTED UP TO 1 MILLION CYCLES

RECOMMENDED FOR:
Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:
Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:
RYCO Proprietary DK2S design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
The extremely abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.
Compact dimensions and small bend radius are advantages in installations where space is limited.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -20) pages 187 to 232.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.

DK2S - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
DK24S	6	-04	6,6	1/4	13,7	0.54	450	6525	1800	26100	45	1.8	0,30	0.20	T2000
DK25S	8	-05	8,5	5/16	15,2	0.60	420	6100	1680	24400	60	2.4	0,36	0.24	T2000
DK26S	10	-06	9,8	3/8	17,1	0.67	385	5590	1540	22360	70	2.8	0,41	0.27	T2000
DK28S	12	-08	13,0	1/2	20,3	0.80	350	5100	1400	20400	90	3.5	0,55	0.37	T2000
DK210S	16	-10	16,1	5/8	24,1	0.95	290	4210	1160	16840	130	5.1	0,69	0.46	T2000
DK212S	19	-12	19,1	3/4	27,8	1.09	280	4100	1120	16400	160	6.3	0,88	0.59	T2000
DK216S	25	-16	25,4	1	35,6	1.40	200	2900	800	11600	210	8.3	1,31	0.88	T2000
DK220S	31	-20	31,8	1.1/4	43,5	1.71	175	2540	700	10160	280	11.0	1,70	1.14	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

ENERGY EFFICIENT

ENERGY AND PERFORMANCE

EC1 & EC2
ENERGY COMPACT HOSE

E1 & E2
ENERGY HOSE

The agricultural equipment manufacturing and distribution industry has been the cornerstone of RYCO since our humble beginnings. Today, Original Equipment Manufacturer's rely on RYCO to create and supply specialised product that performs above the requirements of our ever increasing, challenging applications.

Agricultural equipment manufacturer's utilise and trust RYCO products in regional and international markets.

The demanding conditions in which these machines operate highlights the proven design features and product durability of RYCO Hydraulic Hose, Adaptors, Bitelok Couplings, and Field Attachable fittings.

You will find RYCO products on cane harvesters, laser levellers, front end loaders and backhoes, timber harvesting equipment, ploughs, bailers, tractors (two through to eight wheel drive) and just about any other implement imaginable. RYCO gives cost effective returns to the farming community and suppliers.

ENERGY EFFICIENT

RYCO's E1 & E2 & RYCO EC1 & EC2 Hydraulic Hose provides you with superior operator comfort for improved working conditions and precise control for optimum machinery performance. With RYCO on the inside you get the consistent performance needed for maximum yields.

RYCO PERFORMANCE

RYCO's comprehensive testing and evaluation process guarantees you the performance and quality required to meet the demands of today's applications, by safely conveying fluids at high pressure.

RYCO ENERGY hose has performance of:

RYCO EC1
EN 857 Type 1SC & ISO 11237 Type 1SC .

RYCO EC2
EN 857 Type 2SC, ISO 11237 Type 2SC & SAE 100R16

RYCO E1
AS3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

RYCO E2
AS3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

WE HAVE YOU COVERED

RYCO ENERGY contains two braids of high tensile steel wire. The E2 & EC range of hoses is 1/4" to 1".

RYCO ENERGY hose cover is black, oil resistant synthetic rubber.

RYCO EC
BITELOK Non-Skive One piece Couplings T2000.

RYCO E2
BITELOK Non-Skive One piece Couplings T2000 & T7000.

Field Attachable Non-Skive 6000 insert (L000 ferrule).

EC1
ENERGY COMPACT ONE WIRE BRAID HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines. Ideal for high pressure use that requires a more compact outside diameter than some other one wire braid hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

EC1 - ENERGY COMPACT HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
EC14	6	-04	6,6	1/4	12,2	0.48	225	3250	900	13000	75	3.0	0,20	0.13	T2000
EC15	8	-05	8,2	5/16	13,9	0.55	215	3100	860	12400	85	3.3	0,22	0.15	T2000
EC16	10	-06	9,8	3/8	15,6	0.61	180	2600	720	10400	90	3.5	0,26	0.17	T2000
EC18	12	-08	13,0	1/2	19,0	0.75	160	2300	640	9200	130	5.1	0,33	0.22	T2000
EC110	16	-10	16,2	5/8	22,2	0.80	130	1900	520	7600	150	6.7	0,44	0.30	T2000
EC112	19	-12	19,1	3/4	25,6	1.01	105	1500	420	6000	180	7.9	0,50	0.34	T2000
EC116	25	-16	25,4	1	33,6	1.32	90	1280	360	5120	230	9.8	0,75	0.50	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

EC2

ENERGY COMPACT TWO WIRE BRAID HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 11237 Type 2SC, SAE 100R16.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

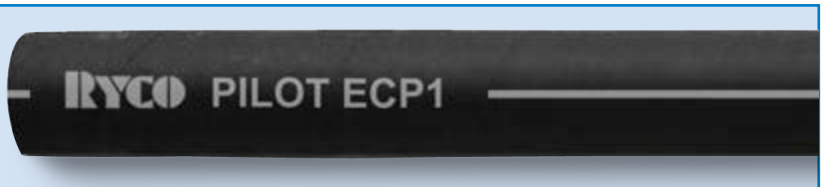
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

EC2 - ENERGY COMPACT HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
EC24	6	-04	6,6	1/4	13,4	0.53	400	5800	1600	23200	50	2.0	0,28	0.19	T2000
EC25	8	-05	8,2	5/16	14,9	0.59	350	5100	1400	20400	55	2.2	0,41	0.27	T2000
EC26	10	-06	9,8	3/8	17,3	0.68	330	4800	1320	19200	65	2.5	0,43	0.29	T2000
EC28	12	-08	13,0	1/2	20,3	0.80	275	4000	1100	16000	90	3.5	0,51	0.34	T2000
EC210	16	-10	16,2	5/8	23,6	0.93	250	3625	1000	14500	100	4.0	0,63	0.42	T2000
EC212	19	-12	19,1	3/4	27,6	1.09	215	3100	860	12400	120	4.7	0,81	0.55	T2000
EC216	25	-16	25,4	1	35,8	1.40	165	2400	660	9700	150	5.9	1,10	0.74	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

ECP1 PILOT

PILOT
COMPACT ONE WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil pilot lines. Compact dimensions and very small bend radius are advantages in installations where space is limited.

PERFORMANCE:
RYCO Proprietary ECP1 Design.

CONSTRUCTION:
RYCO Proprietary ECP1 Design.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Light and extremely flexible, with compact dimensions and a very small bend radius that are advantages in installations where space is limited. Low volumetric expansion ensures maximum responsiveness of hydraulic controls.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F), with intermittent operation up to +121°C (+250°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -03 to -08) pages 187 to 232.
Assembly Instructions pages 478.

ECP1 - PILOT COMPACT HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
ECP13	5	-03	5,0	3/16	10,3	0.41	125	1800	500	7200	25	1.0	0.11	0.05	T2000
ECP14	6	-04	6,7	1/4	11,8	0.46	125	1800	500	7200	30	1.2	0.14	0.06	T2000
ECP15	8	-05	8,3	5/16	13,3	0.52	125	1800	500	7200	40	1.6	0.16	0.07	T2000
ECP16	10	-06	9,9	3/8	14,9	0.59	125	1800	500	7200	50	2.0	0.19	0.09	T2000
ECP18	12	-08	13,0	1/2	18,3	0.72	125	1800	500	7200	60	2.4	0.28	0.13	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

E1
ENERGY
ONE WIRE BRAID HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

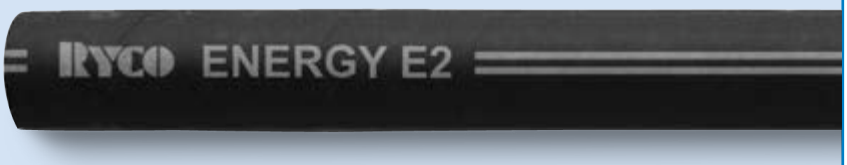
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -16) pages 250 to 271.
K000 Series ferrule (sizes -04 to -16) page 353.
Assembly Instructions page 476.

E1 – ENERGY HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PIECE	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
E13	5	03	5,0	3/16	11,4	0.45	250	3,625	1000	14500	90	3.5	0,18	0.12	T2000	6000 (K000)
E14	6	-04	6,6	1/4	13,0	0.52	225	3250	900	13000	100	4.0	0,22	0.15	T2000	6000 (K000)
E15	8	-05	8,2	5/16	14,6	0.59	215	3100	860	12400	115	4.5	0,25	0.17	T2000	
E16	10	-06	9,8	3/8	16,7	0.68	180	2600	720	10400	125	5.0	0,31	0.21	T2000	6000 (K000)
E18	12	-08	13,0	1/2	20,0	0.80	160	2300	640	9200	180	7.0	0,39	0.26	T2000	6000 (K000)
E110	16	-10	16,2	5/8	23,4	0.93	130	1900	520	7600	200	7.9	0,49	0.33	T2000	6000 (K000)
E112	19	-12	19,1	3/4	27,4	1.09	105	1500	420	6000	240	9.5	0,62	0.42	T2000	6000 (K000)
E116	25	-16	25,4	1	35,8	1.40	90	1280	360	5120	300	11.8	0,90	0.60	T2000	6000 (K000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

E2
ENERGY
TWO WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil lines.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022 - 2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Black, oil resistant synthetic rubber. No skiving required with T2000 and T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
T7000 Series (sizes -06 to -16) pages 272 to 302.

Assembly Instructions pages 478.

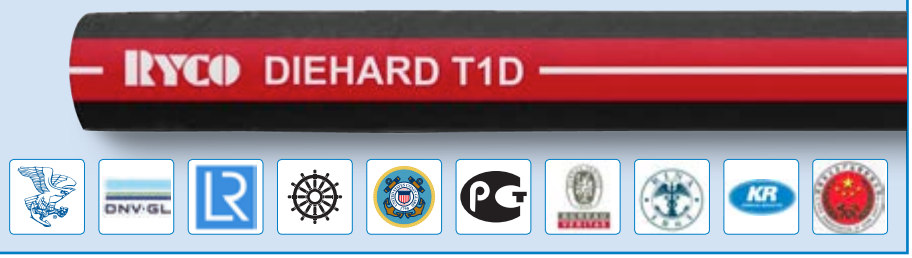
FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -16) pages 250 to 271.
L000 Series ferrule (sizes -04 to -16) page 353.
Assembly Instructions page 476.

E2 – ENERGY HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES		
PART NO	HOSE SIZE														ONE PIECE		FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE		
E24	6	-04	6,6	1/4	14,6	0.59	400	5800	1600	23200	100	3.9	0,35	0.24	T2000		6000 (L000)
E25	8	-05	8,2	5/16	16,4	0.65	350	5100	1400	20400	115	4.5	0,42	0.28	T2000		
E26	10	-06	9,8	3/8	18,5	0.74	330	4800	1320	19200	125	5.0	0,51	0.34	T2000	T7000	6000 (L000)
E28	12	-08	13,0	1/2	21,7	0.86	275	4000	1100	16000	180	7.0	0,65	0.44	T2000	T7000	6000 (L000)
E210	16	-10	16,2	5/8	24,9	0.99	250	3625	1000	14500	200	7.9	0,75	0.50	T2000	T7000	6000 (L000)
E212	19	-12	19,1	3/4	28,9	1.15	215	3100	860	12400	240	9.5	0,93	0.62	T2000	T7000	6000 (L000)
E216	25	-16	25,4	1	37,3	1.48	165	2400	660	9600	300	11.8	1,30	0.87	T2000	T7000	6000 (L000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T1D

EXTRA ABRASION RESISTANT FRAS ONE WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, when tested to EN 853 Type 1SN/SAE 100R1AT test conditions, result in increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -03 to -32) pages 187 to 232.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -03 to -16) pages 250 to 271.
K000 Series ferrule (sizes -03 to -16) page 353.
Assembly Instructions page 476.

T1D – DIEHARD NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PIECE	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
T13D	5	-03	4,8	3/16	11,7	0.46	250	3600	1000	14500	35	1.4	0,19	0.13	T2000	6000 (K000)
T14D	6	-04	6,6	1/4	13,3	0.52	225	3250	900	13000	40	1.5	0,22	0.15	T2000	6000 (K000)
T15D	8	-05	8,2	5/16	14,9	0.59	215	3100	860	12400	50	2.0	0,25	0.17	T2000	
T16D	10	-06	9,8	3/8	17,3	0.68	180	2600	720	10400	50	2.0	0,31	0.21	T2000	6000 (K000)
T18D	12	-08	13,0	1/2	20,3	0.80	160	2300	640	9200	75	3.0	0,39	0.26	T2000	6000 (K000)
T110D	16	-10	16,2	5/8	23,6	0.93	130	1900	520	7600	90	3.5	0,49	0.33	T2000	6000 (K000)
T112D	19	-12	19,1	3/4	27,6	1.09	105	1500	420	6000	110	4.3	0,62	0.42	T2000	6000 (K000)
T116D	25	-16	25,4	1	35,5	1.40	90	1300	360	5200	140	5.5	0,90	0.60	T2000	6000 (K000)
T120D	31	-20	31,8	1.1/4	43,2	1.70	65	945	260	3780	210	8.3	1,21	0.81	T2000	
T124D	38	-24	38,1	1.1/2	50,2	1.98	50	725	200	2900	250	9.8	1,45	0.97	T2000	
T132D	51	-32	50,8	2	63,6	2.50	40	580	160	2320	315	12.4	2,09	1.40	T2000	

* When using A000 Series Field Attachable Couplings on T1D Series Hose, cover of hose must be skived at ends.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T1S

EXTREMELY ABRASION RESISTANT ONE WIRE BRAID HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58..

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -03 to -32) pages 187 to 232.

Assembly Instructions pages 478.

T1S – SLIDER NON-SKIVE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T13S	5	-03	4,8	3/16	11,7	0.46	250	3600	1000	14500	35	1.4	0,19	0.13	T2000
T14S	6	-04	6,6	1/4	13,3	0.52	225	3250	900	13000	40	1.5	0,22	0.15	T2000
T15S	8	-05	8,2	5/16	14,9	0.59	215	3100	860	12400	50	2.0	0,25	0.17	T2000
T16S	10	-06	9,8	3/8	17,3	0.68	180	2600	720	10400	50	2.0	0,31	0.21	T2000
T18S	12	-08	13,0	1/2	20,3	0.80	160	2300	640	9200	75	3.0	0,39	0.26	T2000
T110S	16	-10	16,2	5/8	23,6	0.93	130	1900	520	7600	90	3.5	0,49	0.33	T2000
T112S	19	-12	19,1	3/4	27,6	1.09	105	1500	420	6000	110	4.3	0,62	0.42	T2000
T116S	25	-16	25,4	1	35,5	1.40	90	1300	360	5200	140	5.5	0,90	0.60	T2000
T120S	31	-20	31,8	1.1/4	43,2	1.70	65	945	260	3780	210	8.3	1,21	0.81	T2000
T124S	38	-24	38,1	1.1/2	50,2	1.98	50	725	200	2900	250	9.8	1,45	0.97	T2000
T132S	51	-32	50,8	2	63,6	2.50	40	580	160	2320	315	12.4	2,09	1.40	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T1F
FIRE SUPPRESSION
ONE WIRE BRAID HOSE

RECOMMENDED FOR
Use in Fire Suppression Systems of off-road vehicles, mining equipment, stationary engines, etc. The hose is coloured red, for easy identification as part of the Fire Suppression System.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN,
ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:
Black, oil resistant synthetic rubber. Resistant to aqueous film forming foam, dry chemical powder, carbon dioxide, and water based fire extinguishing agents.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Red, heat resistant, abrasion resistant and oil resistant rubber. Flame Resistant to Australian Standard AS 2660 and U.S. MSHA requirements. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58..

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -03 to -16) pages 187 to 232.
Assembly Instructions pages 478.

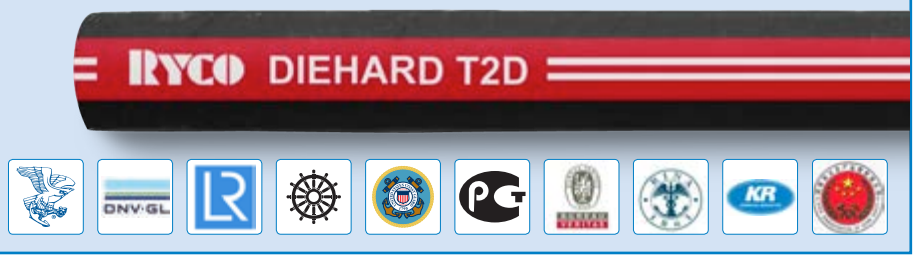
FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -03 to -16) pages 250 to 271.
K000 Series ferrule (sizes -03 to -16) page 353.
Assembly Instructions page 476.

T1F – FIRE SUPPRESSION NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PIECE	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
T13F	5	-03	4,8	3/16	11,7	0.46	250	3600	1000	14500	90	3.5	0,19	0.13	T2000	6000 (K000)
T14F	6	-04	6,6	1/4	13,3	0.52	225	3250	900	13000	100	3.9	0,22	0.15	T2000	6000 (K000)
T15F	8	-05	8,2	5/16	14,9	0.59	215	3100	860	12400	115	4.5	0,25	0.17	T2000	
T16F	10	-06	9,8	3/8	17,3	0.68	180	2600	720	10400	125	5.0	0,31	0.21	T2000	6000 (K000)
T18F	12	-08	13,0	1/2	20,3	0.80	160	2300	640	9200	180	7.0	0,39	0.26	T2000	6000 (K000)
T110F	16	-10	16,2	5/8	23,6	0.93	130	1900	520	7600	200	7.9	0,49	0.33	T2000	6000 (K000)
T112F	19	-12	19,1	3/4	27,6	1.09	105	1500	420	6000	240	9.5	0,62	0.41	T2000	6000 (K000)
T116F	25	-16	25,4	1	35,5	1.40	90	1300	360	5200	300	11.8	0,90	0.60	T2000	6000 (K000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T2D

EXTRA ABRASION RESISTANT FRAS TWO WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022 - 2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 and T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life when tested to EN 853 Type 2SN/SAE 100R2AT test conditions result in, increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58..

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -48) pages 187 to 232.
T7000 Series (sizes -06 to -32) pages 272 to 302.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -20) pages 250 to 271.
L000 Series ferrule (sizes -04 to -20) page 353.
Assembly Instructions page 476.

T2D – DIEHARD NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES		
PART NO	HOSE SIZE														ONE PIECE		FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE		
T24D	6	-04	6,6	1/4	14,6	0.59	420	6100	1680	24400	100	3.9	0,35	0.24	T2000		6000 (L000)
T25D	8	-05	8,2	5/16	16,4	0.65	350	5100	1400	20400	114	4.5	0,42	0.28	T2000		
*T26D	10	-06	9,8	3/8	18,5	0.74	350	5100	1400	20400	125	5.0	0,51	0.34	T2000	T7000	6000 (L000)
T28D	12	-08	13,0	1/2	21,7	0.86	350	5100	1400	20400	178	7.0	0,65	0.44	T2000	T7000	6000 (L000)
*T210D	16	-10	16,2	5/8	24,9	0.99	250	3600	1000	14400	200	7.9	0,75	0.50	T2000	T7000	6000 (L000)
T212D	19	-12	19,1	3/4	28,9	1.15	215	3100	860	12400	240	9.5	0,93	0.62	T2000	T7000	6000 (L000)
T216D	25	-16	25,4	1	37,3	1.48	175	2500	700	10000	300	11.8	1,30	0.87	T2000	T7000	6000 (L000)
*T220D	31	-20	31,8	1.1/4	47,2	1.87	140	2000	560	8000	420	16.5	1,97	1.33	T2000	T7000	6000 (L000)
T224D	38	-24	38,1	1.1/2	54,2	2.13	100	1450	400	5800	500	19.7	2,48	1.67	T2000	T7000	
T232D	51	-32	50,8	2	66,8	2.63	90	1300	360	5200	600	23.6	3,02	2.03	T2000	T7000	
T240D	63	-40	63,5	2.1/2	80,1	3.15	70	1000	280	4000	760	29.9	3,70	2.49	T2000		
T248D	76	-48	76,2	3	91,3	3.59	70	1000	280	4000	900	35.4	3,99	2.68	T2000		

* Hoses must only be used at current MBR (not half the SAE MBR) when used with T7000 couplings.

- When using B000 Series Field Attachable Couplings on T2D Series Hose, cover of hose must be skived at ends. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T2S

EXTREMELY ABRASION RESISTANT TWO WIRE BRAID HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to sliding abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Type 2AT, SAE 100R2AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T7000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -32) pages 187 to 232.
T7000 Series (sizes -05 to -32) pages 272 to 302.
Assembly Instructions pages 478.

T2S – SLIDER NON-SKIVE HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
T24S	6	-04	6,6	1/4	14,9	0.59	420	6100	1680	24400	100	3.9	0,35	0.24	T2000	
T25S	8	-05	8,2	5/16	16,5	0.65	350	5100	1400	20400	114	4.5	0,42	0.28	T2000	
T26S	10	-06	9,8	3/8	18,9	0.74	350	5100	1400	20400	125	5.0	0,51	0.34	T2000	T7000
T28S	12	-08	13,0	1/2	21,9	0.86	350	5100	1400	20400	178	7.0	0,65	0.44	T2000	T7000
T210S	16	-10	16,2	5/8	25,1	0.99	250	3600	1000	14400	200	7.9	0,75	0.50	T2000	T7000
T212S	19	-12	19,1	3/4	29,1	1.15	215	3100	860	12400	240	9.5	0,93	0.62	T2000	T7000
T216S	25	-16	25,4	1	37,5	1.48	175	2500	700	10000	300	11.8	1,30	0.87	T2000	T7000
T220S	31	-20	31,8	1.1/4	47,6	1.87	140	2000	560	8000	420	16.5	1,97	1.33	T2000	T7000
T224S	38	-24	38,1	1.1/2	54,1	2.13	100	1450	400	5800	500	19.7	2,48	1.67	T2000	T7000
T232S	51	-32	50,8	2	66,8	2.63	90	1300	360	5200	600	23.6	3,02	2.03	T2000	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T2C
LOW TEMPERATURE HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:
Black, specially formulated oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:
Low Temperature hose (-60°C/-76°F).

TEMPERATURE RANGE:
From -60°C to +100°C (-76°F to +212°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

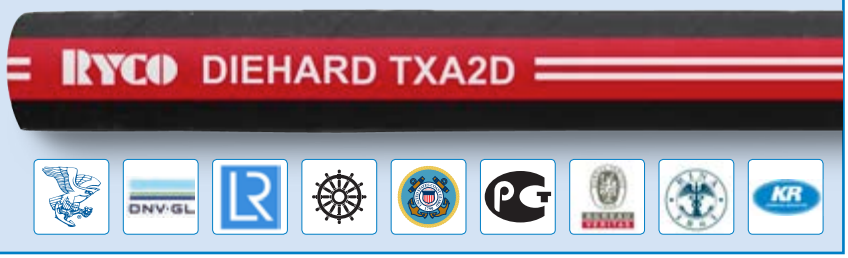
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -32) pages 187 to 232.
Assembly Instructions pages 478.

T2C LOW TEMPERATURE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
T24C	6	-04	6,6	1/4	15,0	0.59	420	6100	1680	24400	100	3.9	0,38	0.26	T2000
T25C	8	-05	8,2	5/16	16,6	0.65	350	5100	1400	20400	114	4.5	0,46	0.31	T2000
T26C	10	-06	9,8	3/8	19,0	0.75	350	5100	1400	20400	125	5.0	0,56	0.38	T2000
T28C	12	-08	13,0	1/2	22,2	0.87	350	5100	1400	20400	178	7.0	0,65	0.44	T2000
T210C	16	-10	16,2	5/8	25,2	0.99	250	3600	1000	14400	200	7.9	0.80	0.54	T2000
T212C	19	-12	19,1	3/4	29,1	1.15	215	3100	860	12400	240	9.5	0,94	0.63	T2000
T216C	25	-16	25,4	1	37,2	1.46	175	2500	700	10000	300	11.8	1,31	0.88	T2000
T220C	31	-20	31,8	1.1/4	47,4	1.87	140	2000	560	8000	420	16.5	1,91	1.28	T2000
T224C	38	-24	38,1	1.1/2	53,8	2.12	100	1450	400	5800	500	19.7	2,14	1.44	T2000
T232C	51	-32	50,8	2	66,7	2.63	90	1300	360	5200	600	23.6	2,78	1.87	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TXA2D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
TWO WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses. Ideal for high pressure use that requires a smaller outside diameter (except -20 size), lighter weight, and more flexibility than spiral hose.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, BCS 174, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, when tested to EN 853 Type 2SN/SAE 100R2AT test conditions, result in increased service life and minimise equipment downtime.

FLAME RESISTANCE:
Complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -08 to -16) pages 187 to 232.
T7000 Series (sizes -08 to -16) pages 272 to 302.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -08 to -16) pages 250 to 271.
L000 Series ferrule (sizes -08 to -16) page 353.
Assembly Instructions page 476.

TXA2D – DIEHARD AGGRESSOR NON-SKIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES		
PART NO	HOSE SIZE														ONE PIECE		FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE		
TXA28D	12	-08	13,0	1/2	22,0	0.87	375	5440	1500	21760	178	7.0	0,72	0.48	T2000	T7000	6000 (L000)
TXA210D	16	-10	16,2	5/8	25,2	0.99	350	5100	1400	20400	200	8.0	0,87	0.58	T2000	T7000	6000 (L000)
TXA212D	19	-12	19,1	3/4	29,1	1.15	313	4530	1252	18120	240	9.5	1,11	0.75	T2000	T7000	6000 (L000)
TXA216D	25	-16	25,4	1	37,7	1.48	225	3250	900	13000	300	12.0	1,50	1.01	T2000	T7000	6000 (L000)

Contact RYCO for Crimp Diameter and Mark Length for BITELOK Couplings.

H12D

EXTRA ABRASION RESISTANT
VERY HIGH PRESSURE
FRAS
MULTI-SPIRAL HOSE

RECOMMENDED FOR:
Very high pressure hydraulic oil lines, in applications where the outside cover of the hose is subject to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R12, EN 856 Type R12, EN 856 Type 4SP (-12 and above), ISO 3862 Type R12, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, when tested to SAE 100R12 test conditions, result in increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

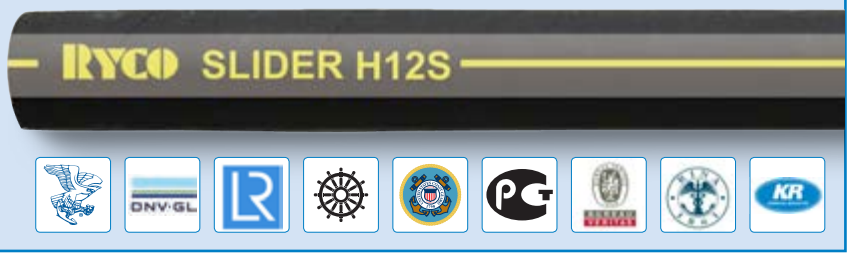
COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -40) pages 272 to 302.
Assembly Instructions pages 478.

H12D – DIEHARD SPIRAL HOSE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE													
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H1206D	10	-06	9,5	3/8	19,3	0.76	350	5100	1400	20400	125	5.0	0,61	0.41	T7000
H1208D	12	-08	12,7	1/2	22,7	0.89	350	5100	1400	20400	178	7.0	0,78	0.52	T7000
H1210D	16	-10	15,9	5/8	26,2	1.03	350	5100	1400	20400	200	7.9	0,98	0.66	T7000
H1212D	19	-12	19,1	3/4	30,0	1.18	350	5100	1400	20400	240	9.5	1,21	0.81	T7000
H1216D	25	-16	25,4	1	37,4	1.47	350	5100	1400	20400	300	11.8	1,84	1.24	T7000
H1220D	31	-20	31,8	1.1/4	45,7	1.80	275	4000	1100	16000	400	15.8	2,34	1.57	T7000
H1224D	38	-24	38,1	1.1/2	53,0	2.09	255	3700	1020	14800	500	19.7	3,04	2.04	T7000
H1232D	51	-32	50,8	2	66,0	2.60	210	3050	840	12400	600	23.6	4,23	2.84	T7000
H1240D	63	-40	63,5	2.1/2	82,6	3.25	140	2000	560	8000	650	25.6	5,20	3.49	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H12S

EXTREMELY ABRASION RESISTANT VERY HIGH PRESSURE MULTI-SPIRAL HOSE



RECOMMENDED FOR:
Very high pressure hydraulic oil lines, in applications where the outside cover of the hose is subject to sliding abrasion that may cause premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R12, EN 856 Type R12, EN 856 Type 4SP (-12 and above), ISO 3862 Type R12, SAE 100R12.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:
The extremely high abrasion resistant properties of the polyethylene sheathed cover, combined with the extra high working pressures and excellent impulse life, when tested to SAE 100R12 test conditions, result in increased service life and minimise equipment downtime.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

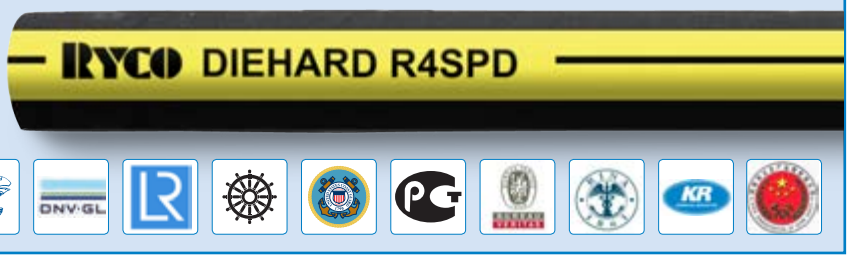
COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -32) pages 272 to 302.
Assembly Instructions pages 478.

H12S – SLIDER SPIRAL HOSE															
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
H1206S	10	-06	9,5	3/8	19,3	0.76	350	5100	1400	20400	125	5.0	0,61	0.41	T7000
H1208S	12	-08	12,7	1/2	22,7	0.89	350	5100	1400	20400	178	7.0	0,78	0.52	T7000
H1210S	16	-10	15,9	5/8	26,2	1.03	350	5100	1400	20400	200	7.9	0,98	0.66	T7000
H1212S	19	-12	19,1	3/4	30,0	1.18	350	5100	1400	20400	240	9.5	1,21	0.81	T7000
H1216S	25	-16	25,4	1	37,4	1.47	350	5100	1400	20400	300	11.8	1,84	1.24	T7000
H1220S	31	-20	31,8	1.1/4	45,7	1.80	275	4000	1100	16000	400	15.8	2,34	1.57	T7000
H1224S	38	-24	38,1	1.1/2	53,0	2.09	255	3700	1020	14800	500	19.7	3,04	2.04	T7000
H1232S	51	-32	50,8	2	66,0	2.60	210	3050	840	12400	600	23.6	4,23	2.84	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

R4SPD

EXTRA HIGH PRESSURE FOUR SPIRAL HOSE



RECOMMENDED FOR:
Extra high pressure hydraulic oil lines.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type 4SP, ISO 3862 Type 4SP.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Extra thin cover suitable for non-skive and skive couplings. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

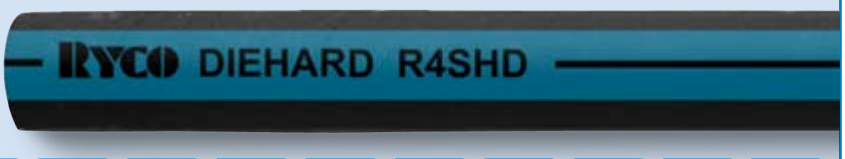
NON-SKIVE ONE-PIECE CRIMP
T7000 Series (sizes -06 to -16) pages 272 to 302.
Assembly Instructions pages 478.

R4SPD – DIEHARD SPIRAL HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
R4SP08D	12	-08	12,7	1/2	23,5	0.93	420	6100	1680	24400	230	9.1	0,86	0.58	T7000
R4SP10D	16	-10	15,9	5/8	27,0	1.06	380	5500	1520	22000	250	9.9	1,10	0.74	T7000
R4SP12D	19	-12	19,1	3/4	31,0	1.22	380	5500	1520	22000	300	11.8	1,47	0.99	T7000
R4SP16D	25	-16	25,4	1	37,8	1.49	350	5100	1400	20400	340	13.4	1,95	1.31	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

R4SHD

EXTRA HIGH PRESSURE FOUR SPIRAL HOSE



RECOMMENDED FOR:
Extra high pressure hydraulic oil lines.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 856 Type 4SH, ISO 3862 Type 4SH.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Extra thin cover suitable for non-skive and skive couplings. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T6000 SERIES (size -12) pages 250 to 271.

T7000 Series (sizes -16 to -32) pages 272 to 302.
Assembly Instructions pages 478.

R4SHD – DIEHARD SPIRAL HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
R4SH12D	19	-12	19,1	3/4	31,8	1.25	420	6100	1680	24400	280	11.0	1,47	0.99	T6000	
R4SH16D	25	-16	25,4	1	37,9	1.49	380	5500	1520	22000	340	13.4	1,97	1.32		T7000
R4SH20D	31	-20	31,8	1.1/4	44,4	1.75	350	5100	1400	20400	460	18.1	2,44	1.64		T7000
R4SH24D	38	-24	38,1	1.1/2	51,8	2.04	300	4350	1200	17400	560	22.1	3,13	2.10		T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

JACK HOSE ASSEMBLIES

For ease of ordering, Hose Assemblies can be specified using TJ24 and TJ26 numbers below, followed by overall length in millimetres.

For example, to order a TJ24D Hose Assembly, 1800 mm overall length, with 3/8" NPTF male one end and male Screw-On coupling other end, with Spring Guards at each end; simply order TJ2402-1800.

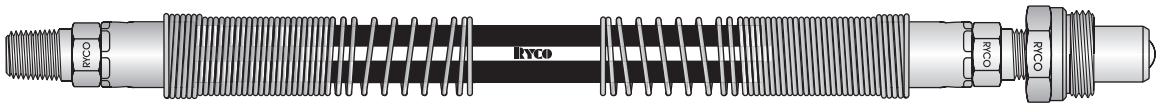
Standard lengths are 1000 mm, 2000 mm and 3000 mm. Other lengths are available.

JACK HOSE ASSEMBLIES (HOSE ENDS INCLUDE RYCO 750 SPRING GUARD)**

HOSE ASSEMBLY No.	HOSE END 1	HOSE END 2
TJ2401-xxxx* TJ2601-xxxx*	3/8" NPTF Male	3/8" NPTF Male
TJ2402-xxxx* TJ2602-xxxx*	3/8" NPTF Male	R100-06M Male Tip
TJ2403-xxxx* TJ2603-xxxx*	3/8" NPTF Male	R100-06M Male Tip and R100-06DC Dust Cap
TJ2404-xxxx* TJ2604-xxxx*	3/8" NPTF Male	R100-06FM Male and Female Coupling
TJ2405-xxxx* TJ2605-xxxx*	3/8" NPTF Male	R100-06FMPC Male and Female Coupling with Dust Cap and Dust Plug

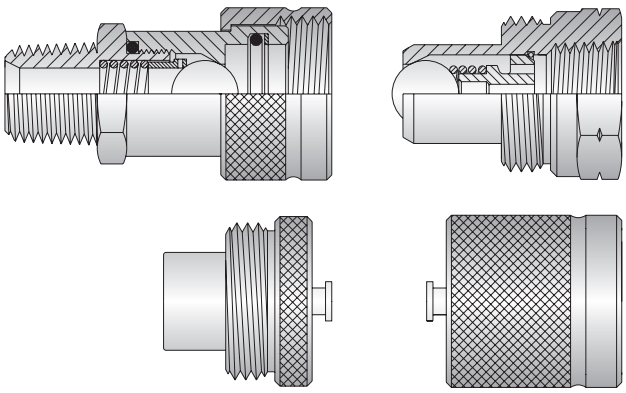
* Substitute xxxx for overall length (mm)

** RYCO 750 Spring Guard is only available to suit TJ24D hose assemblies.



TJ2402 shown

R100 SERIES QUICK RELEASE COUPLINGS, 700 BAR/10,000 PSI, THREAD-TO-CONNECT.



- Designed for use in heavy duty applications on portable cylinders, rams and pumps, where low flow rates and pressures up to 700 bar/10,000 psi are involved.
- Threaded sleeve on female body engages thread on male tip.
  When the sleeve is screwed completely up, the two coupling
  halves are secured together. Can connect and disconnect with pressure in line.
- Precision ball type check valves.
- Threaded dust caps and plugs complete with captive chain are available.
- Female body is NPTF male threaded to screw directly into the cylinder or ram.
- Male tip is NPTF female threaded to screw onto hose coupling.

NOMINAL SIZE	NPTF THREAD	MAXIMUM WORKING PRESSURE		FEMALE BODY	MALE TIP	COMPLETE COUPLING	DUST PLUG FOR MALE	DUST PLUG FOR FEMALE
inch	inch	bar	psi	Part No				
1/4	1/4	700	10000	R100-04F	R100-04M	R100-04FM	R100-06DP	R100-06DC
3/8	3/8	700	10000	R100-06F	R100-06M	R100-06FM	R100-06DP	R100-06DC

For further information refer to Quick Release Couplings (QRC) Brochure on www.RYCO.com.au.

TJ2D

EXTRA ABRASION RESISTANT
FRAS
JACK HOSE
TWO WIRE BRAID

RECOMMENDED FOR:
Hydraulic Jack applications requiring a light weight, small outside diameter hose. The very high abrasion resistant properties of the DIEHARD cover extend the life of the hose when it is subjected to the abrasion that may cause the premature failure of standard hoses.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: Materials Handling Institute specification IJ 100 (July 1979) for hydraulic hose and assemblies used with jacking systems.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A.
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +49°C (-40°F to +120°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Specification IJ 100 (July 1979) is based on 2:1 minimum burst to maximum working pressure safety factor and is suitable for 700 bar/10,000 psi use in hydraulic jack applications ONLY.

COUPLINGS:

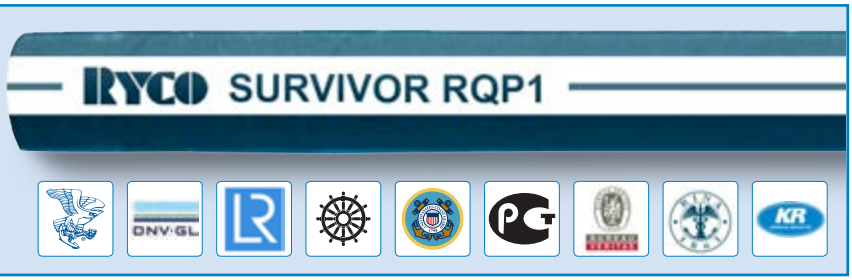
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -06) pages 187 to 232.
Assembly Instructions pages 478.

TJ2D – DIEHARD JACK HOSE															
			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE														ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TJ24D	6	-04	6,6	1/4	14.9	0.59	700	10000	1400	20000	100	3.9	0.35	0.24	T2000
TJ26D	10	-06	9,8	3/8	18.9	0.74	700	10000	1400	20000	130	5.0	0.51	0.34	T2000

NOTE: Ensure rated Working Pressure of chosen End Style meets or exceeds the 700 bar/10,000 psi Maximum Working Pressure of TJ2D hose.
For hydraulic jack applications, RYCO recommends the use of 3/8" NPTF Male Extended Couplings.
TJ24D: Part No. T2091-0406 One-Piece Crimp. Use of RYCO 750 Spring Guards at each end of the hose assembly is also recommended.
TJ26D: Part No. T2091-0606 One-Piece Crimp. Use of a Bend Restrictor device at each end of the hose assembly is also recommended.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RQP1

HIGH TEMPERATURE MULTI FLUID ONE WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil applications where pressure or temperature requirements exceed the performance requirements of SAE 100R1AT and DIN 20022-1SN, or where resistance to phosphate ester** fluid is required. May be used with compressed air if cover of hose is perforated (pin-pricked) and additional Safety Devices are used.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:
Black, synthetic rubber, specifically compounded for temperature resistance and multi fluid resistance.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Survivor, blue, oil resistant and abrasion resistant synthetic rubber.
No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings*.

MSHA - FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:
From -40°C to +150°C (-40°F to +302°F).
For water, water/oil emulsions, diesel fuels, glycol, air, and some phosphate esters** see page 58.

**Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

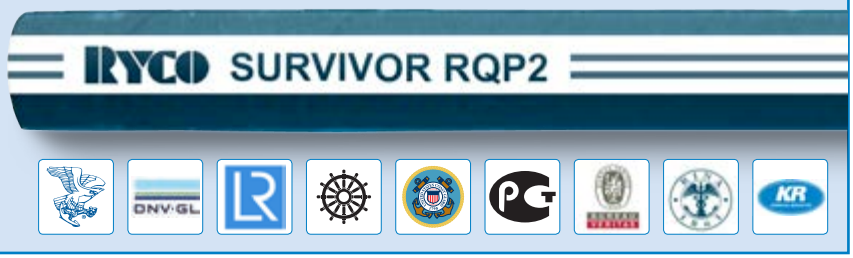
FIELD ATTACHABLE NON-SKIVE*
6000 SERIES insert (sizes -04 to -16) pages 250 to 271.
K000 Series ferrule (sizes -04 to -16) page 353.
Assembly Instructions page 476.

RQP1 – SURVIVOR NON-SKIVE HOSE																
															COUPLING SERIES	
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		ONE PIECE	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
RQP14	6	-04	6,6	1/4	13,4	0.53	225	3250	900	13000	100	4.0	0,24	0.16	T2000	6000 (K000)
RQP15	8	-05	8,2	5/16	15,0	0.59	215	3120	860	12500	114	4.5	0,27	0.18	T2000	
RQP16	10	-06	9,8	3/8	17,4	0.69	180	2600	720	10400	125	5.0	0,34	0.23	T2000	6000 (K000)
RQP18	12	-08	13,0	1/2	20,5	0.81	160	2300	640	9300	178	7.0	0,44	0.30	T2000	6000 (K000)
RQP110	16	-10	16,2	5/8	23,7	0.93	130	1880	520	7540	200	8.0	0,51	0.34	T2000	6000 (K000)
RQP112	19	-12	19,1	3/4	27,6	1.09	120	1740	480	7000	240	9.5	0,64	0.43	T2000	6000 (K000)
RQP116	25	-16	25,4	1	35,7	1.41	90	1300	360	5200	300	12.0	0,98	0.66	T2000	6000 (K000)

* Field Attachable Couplings should not be used on RQP1 Hose at maximum working pressure when temperature exceeds 121˚C (250˚F). Field Attachable Couplings may be used on RQP1 Hose at over 121˚C but at reduced working pressure. Contact RYCO for more information.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RQP2

HIGH TEMPERATURE MULTI FLUID TWO WIRE BRAID HOSE



RECOMMENDED FOR:
High pressure hydraulic oil applications where pressure or temperature requirements exceed the performance requirements of SAE 100R2AT, DIN 20022-2SN and EN 853 Type 2SN, or where resistance to phosphate ester† fluid is required. May be used with compressed air if cover of hose is perforated (pin-pricked) and additional Safety Devices are used.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:
Survivor, black, synthetic rubber, specifically compounded for temperature resistance and multi fluid resistance.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Blue, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 & T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings*.

MSHA - FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety & Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 & Method of Test AS 1180.10B.

TEMPERATURE RANGE:
From -40°C to +150°C (-40°F to +302°F).
For water, emulsions etc. see page 58.
**Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -32) pages 187 to 232.
T7000 Series (sizes -06 to -32) pages 272 to 302.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE*
6000 SERIES insert (sizes -04 to -20) pages 250 to 271.
L000 Series ferrule (sizes -04 to -20) page 353.
Assembly Instructions page 476.

RQP2 – SURVIVOR NON-SKIVE HOSE																
															COUPLING SERIES	
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		ONE PIECE	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
RQP24	6	-04	6,6	1/4	15,0	0.59	400	5800	1600	23200	100	3.9	0,39	0.26	T2000	6000 (L000)
RQP25	8	-05	8,2	5/16	16,6	0.65	350	5100	1400	20400	114	4.5	0,45	0.30	T2000	
RQP26	10	-06	9,8	3/8	19,0	0.75	350	5100	1400	20400	125	5.0	0,53	0.36	T2000 T7000	6000 (L000)
RQP28	12	-08	13,0	1/2	22,0	0.87	300	4350	1200	17400	178	7.0	0,65	0.44	T2000 T7000	6000 (L000)
RQP210	16	-10	16,2	5/8	25,2	0.99	250	3600	1000	14500	200	8.0	0,77	0.52	T2000 T7000	6000 (L000)
RQP212	19	-12	19,1	3/4	29,1	1.15	215	3100	860	12400	240	9.5	0,93	0.62	T2000 T7000	6000 (L000)
RQP216	25	-16	25,4	1	37,7	1.48	167	2400	670	9600	300	11.8	1,38	0.93	T2000 T7000	6000 (L000)
RQP220	31	-20	31,8	1.1/4	48,0	1.89	150	2175	600	8700	420	16.5	2,03	1.36	T2000 T7000	6000 (L000)
RQP224	38	-24	38,1	1.1/2	54,4	2.14	100	1450	400	5800	500	19.7	2,30	1.55	T2000 T7000	
RQP232	51	-32	50,8	2	67,3	2.65	90	1300	360	5200	600	23.6	3,16	2.12	T2000 T7000	

* Field Attachable Couplings should not be used on RQP2 Hose at maximum working pressure when temperature exceeds 121°C (250°F). Field Attachable Couplings may be used on RQP2 Hose at over 121°C but at reduced working pressure. Contact RYCO Hydraulics for more information.

† Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RQP5

HIGH TEMPERATURE POLYESTER BRAID COVER ONE WIRE BRAID HOSE

RECOMMENDED FOR:
Medium to high pressure hydraulic oil applications, or where resistance to phosphate ester** fluid is required. The small bend radius, temperature resistance and light weight of RYCO RQP5 hose make it suitable for under the bonnet automotive/ trucking applications including hydraulic oil, diesel fuel, lubrication oil and transmission oil coolers. Sizes RQP54 to RQP512 also comply with SAE J1402 Type AII "Automotive Air Brake Hose" for use in truck "air brake systems including flexible connections from frame to axle, tractor to trailer, trailer to trailer, and other unshielded air lines that are exposed to potential pull or impact". RQP5 may be used with compressed air if maximum working pressure is reduced by 30%. RQP5 hose is normally used where there is minimal abrasion to the outside cover. If abrasion is likely, support the hose away from the source of abrasion using mounting clamps, or protect with RWA Wire Armour or RSG Spiral Guard. RQP5 is a reduced bore hose. It has a similar Inside Diameter to steel or copper tubing of the same nominal (Outside Diameter) size. See page 340 for Branding Information.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R5, SAE 100R5, SAE J1402 Type AII (up to -12 size).

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Polyester inner braid covered with one braid of high tensile steel wire.

COVER:
Blue polyester textile braid. Skiving of cover is not required.

MSHA - FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration and Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B when used with FS1072 Fire Sleeve.

TEMPERATURE RANGE:
From -40°C to +150°C (-40°F to +302°F).
For water, emulsions etc. see page 58.
**Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -20) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
V000 Series (sizes -04 to -32) pages 341 to 352.
Assembly Instructions page 476.

RQP5 – SURVIVOR POLYESTER COVER HOSE																				
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND R SAE100R5		MINIMUM BEND R SAEJ1402		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
																		ONE PC	FIELD
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mm	inch	inHg	mmHg	kg/m	lb/ft	NON- SKIVE	
RQP54	5	-04	4,8	3/16	13,2	0.52	210	3050	840	12200	75	3.0	51	2.0	0,23	0.15	710	28	T4000	V000
RQP55	6	-05	6,4	1/4	14,8	0.58	210	3050	840	12200	85	3.3	64	2.5	0,26	0.17	710	28	T4000	V000
RQP56	8	-06	7,9	5/16	17,2	0.68	157	2250	628	9000	100	4.0	76	3.0	0,30	0.20	710	28	T4000	V000
RQP58	10	-08	10,3	13/32	19,4	0.76	140	2000	560	8000	115	4.6	89	3.5	0,36	0.24	710	28	T4000	V000
RQP510	12	-10	12,7	1/2	23,4	0.92	122	1750	488	7000	140	5.5	102	4.0	0,53	0.36	710	28	T4000	V000
RQP512	16	-12	15,9	5/8	27,4	1.08	105	1500	420	6000	165	6.5	114	4.5	0,65	0.44	710	28	T4000	V000
RQP516	22	-16	22,2	7/8	31,4	1.24	56	800	224	3200	185	7.4			0,63	0.42	510	20	T4000	V000
RQP520	28	-20	31,0	1.1/8	38,1	1.50	43	625	172	2500	230	9.0			0,90	0.60	510	20	T4000	V000
RQP524	35	-24	32,0	1.3/8	44,5	1.75	35	500	140	2000	265	10.5			1,00	0.67	380	15	T4000	V000
RQP532	46	-32	45,0	1.13/16	56,3	2.22	24	350	98	1400	335	13.3			1,48	0.99	280	11	T4000	V000

***IMPORTANT NOTE:** MAXIMUM WORKING PRESSURE and MINIMUM BURST PRESSURE shown above relate to SAE 100R5 specification and hose used in non Air Brake applications. For Air Brake applications, SAE J1402 Type AII Air Brake Hose specification requires Minimum Burst Pressure 900 psi (62,1 bar) and Proof Pressure of 300 psi (20,7 bar) for all sizes, and reduced Minimum Bend Radii as shown below. RQP54 to RQP512 comply with SAE J1402 Minimum Bend Radius at SAE J1402 pressures, and SAE 100R5 Minimum Bend Radius at SAE 100R5 working pressures.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RQP6

HIGH TEMPERATURE ONE TEXTILE BRAID HOSE

RECOMMENDED FOR:
Hydraulic oil lines, transmission oil cooler lines, glycol antifreeze solutions, water, diesel fuels and air.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type 1, SAE 100R6.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One textile braid.

COVER:
Blue, oil resistant and abrasion resistant synthetic rubber.

MSHA - FLAME RESISTANCE:
Meets Flame Resistance Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirement of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:
Petroleum base hydraulic oils & transmission oils:
-40°C to +135°C (-40°F to +275°F) constant, and up to +150°C (+302°F) intermittent (up to 10% of operating time).
Air: -40°C to +100°C (-40°F to +212°F)
Diesel fuels: -40°C to +71°C (-40°F to +160°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

RQP6 Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. RQP6 Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

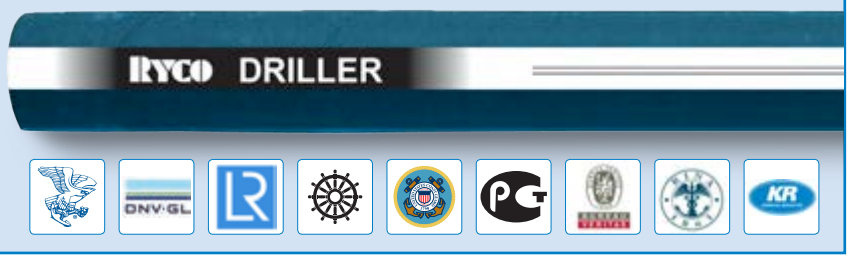
8000 SERIES PUSH-ON
RQP6 Hose simply pushes on to 8000 Series Couplings, and for Static Working Pressures up to 50% of Maximum Static Working Pressures a clamp is not required. For diesel fuel and other potentially dangerous, or critical applications such as transmission oil cooler lines, and for Static Working Pressures above 50% of maximum; a clamp around the hose is required. Do not overtighten clamp as this will damage hose.
Factory crimped couplings are also available in some sizes.

RQP6 – SURVIVOR HIGH TEMPERATURE PUSH ON HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE																ONE PC	PUSH ON
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	inHg	mmHg	kg/m	lb/ft	NON-SKIVE	
RQP64	6	-04	6,6	1/4	12,3	0.48	28	410	112	1640	65	2.5	710	28	0,12	0.08	T4000	8000
RQP65	8	-05	8,2	5/16	13,9	0.55	28	410	112	1640	75	3.0	710	28	0,14	0.09	T4000	8000
RQP66	10	-06	9,8	3/8	15,5	0.61	28	410	112	1640	75	3.0	635	25	0,17	0.11	T4000	8000
RQP68	12	-08	13,0	1/2	19,0	0.75	28	410	112	1640	100	4.0	460	18	0,22	0.15	T4000	8000
RQP610	16	-10	16,2	5/8	22,6	0.89	24	350	96	1400	125	5.0	380	15	0,29	0.19	T4000	8000
RQP612	20	-12	19,1	3/4	25,8	1.02	21	305	84	1220	150	6.0	380	15	0,34	0.23	T4000	8000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

D2B

DRILLER
HIGH TEMPERATURE
DRILL RIG HOSE



RECOMMENDED FOR:
Hydraulic oil or air lines. Drill rigs - high pressure, large bore air hose.

PERFORMANCE:
SAE 100R16 (SIZE -20).

TUBE:
Black, oil resistant synthetic rubber specifically compounded for temperature resistance.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Perforated blue, oil and abrasion resistant synthetic rubber. No skiving required with T2000 & T7000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:
Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
Air: -40°C to +121°C (-40°F to +250°F)
Oil: -40°C to +135°C (-40°F to +275°F)

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -20 to -32) pages 187 to 232.
T7000 Series (sizes -24 to -32) pages 272 to 302.
Assembly Instructions pages 478.

Not suitable for use with field attachable couplings.
Refer to Product Technical Manual - Hydraulics for assembly instructions.

D2B - DRILLER HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
D220B	31	-20	31,8	1.1/4	40,4	1.59	140	2030	560	8120	200	7.9	1,22	0.82	T2000	
D224B	38	-24	38,1	1.1/2	48,0	1.89	100	1450	400	5800	250	9.8	1,49	1.00	T2000	T7000
D232B	51	-32	50,8	2	62,0	2.44	90	1300	360	5200	300	11.8	2,24	1.50	T2000	T7000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T5
POLYESTER BRAID COVER ONE WIRE BRAID HOSE

RECOMMENDED FOR:
Medium to high pressure hydraulic oil applications. The small bend radius, temperature resistance and light weight of RYCO T5 hose make it suitable for under the bonnet automotive/trucking applications including hydraulic oil, diesel fuel, lubrication oil and transmission oil coolers. Sizes T54 to T512 also comply with SAE J1402 Type AII "Automotive Air Brake Hose" for use in truck "air brake systems including flexible connections from frame to axle, tractor to trailer, trailer to trailer, and other unshielded air lines that are exposed to potential pull or impact". T5 may be used with compressed air if maximum working pressure is reduced by 30%. T5 hose is normally used where there is minimal abrasion to the outside cover. If abrasion is likely, support the hose away from the source of abrasion using mounting clamps, or protect with RWA Wire Armour or RSG Spiral Guard. T5 is a reduced bore hose. It has a similar Inside Diameter to steel or copper tubing of the same nominal (outside diameter) size. See page 151 for more information.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R5, SAE 100R5, SAE J1402 Type AII
(up to -12 size).

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Polyester inner braid covered with one braid of high tensile steel wire.

COVER:
Black polyester braid. Skiving of cover is not required.

MSHA - FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration and Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B when used with FS1072 Fire Sleeve.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -20) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
V000 Series (sizes -04 to -32) pages 341 to 352.
Assembly Instructions page 476.

T5 – TRUCKER POLYESTER COVER HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND R SAE100R5		MINIMUM BEND R SAEJ1402		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE																		ONE PC	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mm	inch	inHg	mmHg	kg/m	lb/ft	NON- SKIVE	
T54	5	-04	4,8	3/16	13,2	0.52	210	3050	840	12200	75	3.0	51	2.0	710	28	0,23	0.15	T4000	V000
T55	6	-05	6,4	1/4	14,8	0.58	210	3050	840	12200	85	3.3	64	2.5	710	28	0,26	0.17	T4000	V000
T56	8	-06	7,9	5/16	17,2	0.68	157	2250	628	9000	100	4.0	76	3.0	710	28	0,30	0.20	T4000	V000
T58	10	-08	10,3	13/32	19,4	0.76	140	2000	560	8000	115	4.6	89	3.5	710	28	0,36	0.24	T4000	V000
T510	12	-10	12,7	1/2	23,4	0.92	122	1750	488	7000	140	5.5	102	4.0	710	28	0,53	0.36	T4000	V000
T512	16	-12	15,9	5/8	27,4	1.08	105	1500	420	6000	165	6.5	114	4.5	710	28	0,65	0.44	T4000	V000
T516	22	-16	22,2	7/8	31,4	1.24	56	800	224	3200	187	7.4			510	20	0,63	0.42	T4000	V000
T520	28	-20	31,0	1.1/8	38,1	1.50	43	625	172	2500	229	9.0			510	20	0,90	0.60	T4000	V000
T524	35	-24	32,0	1.3/8	44,5	1.75	35	500	140	2000	267	10.5			380	15	1,00	0.67	T4000	V000
T532	46	-32	45,0	1.13/16	56,3	2.22	24	350	96	1400	337	13.3			280	11	1,48	0.99	T4000	V000

*IMPORTANT NOTE: MAXIMUM WORKING PRESSURE and MINIMUM BURST PRESSURE shown above relate to SAE 100R5 specification and hose used in non Air Brake applications. For Air Brake applications, SAE J1402 Type AII Air Brake Hose specification requires Minimum Burst Pressure 900 psi (62,1 bar) and Proof Pressure of 300 psi (20,7 bar) for all sizes, and reduced Minimum Bend Radii as shown below. T54 to T512 comply with SAE J1402 Minimum Bend Radius at SAE J1402 pressures, and SAE 100R5 Minimum Bend Radius at SAE 100R5 working pressures.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

MS1000
MINESPRAY

RECOMMENDED FOR:
Water and air spray suited for dust control in all industrial and mining applications.

TUBE:
Black, oil resistant synthetic rubber.

Cover is perforated (pin-pricked).

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Yellow, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:
Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -08 to -32) pages 187 to 232.
Assembly Instructions pages 478.

CS1000 – MINESPRAY HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
MS1008	12	-08	13,0	1/2	18,5	0.73	70	1000	280	4000	90	3.6	0,29	0.19	T2000
MS1010	16	-10	16,2	5/8	22,1	0.87	70	1000	280	4000	100	3.9	0,35	0.24	T2000
MS1012	19	-12	19,1	3/4	25,8	1.02	70	1000	280	4000	120	4.7	0,40	0.27	T2000
MS1016	25	-16	25,4	1	32,5	1.28	70	1000	280	4000	150	5.9	0,62	0.42	T2000
MS1020	31	-20	31,8	1.1/4	39,5	1.56	70	1000	280	4000	210	8.3	0,75	0.50	T2000
MS1024	38	-24	38,1	1.1/2	46,0	1.81	70	1000	280	4000	250	9.9	1,00	0.67	T2000
MS1032	51	-32	50,8	2	59,1	2.33	70	1000	280	4000	300	11.8	1,42	0.95	T2000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

CS1000
COALSPRAY

RECOMMENDED FOR:
Water and air spray suited for dust control in all industrial and mining applications.

TUBE:
Black, oil resistant synthetic rubber.

Cover is perforated (pin-pricked).

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
Complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 sWafety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -32) pages 187 to 232.
For water, emulsions etc. see page 58.

CS1000 – COALSPRAY HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
CS1008	12	-08	13,0	1/2	18,5	0.73	70	1000	280	4000	90	3.6	0,29	0.19	T2000
CS1010	16	-10	16,2	5/8	22,1	0.87	70	1000	280	4000	100	3.9	0,35	0.24	T2000
CS1012	19	-12	19,1	3/4	25,8	1.02	70	1000	280	4000	120	4.7	0,40	0.27	T2000
CS1016	25	-16	25,4	1	32,5	1.28	70	1000	280	4000	150	5.9	0,62	0.42	T2000
CS1020	31	-20	31,8	1.1/4	39,5	1.56	70	1000	280	4000	210	8.3	0,75	0.50	T2000
CS1024	38	-24	38,1	1.1/2	46,0	1.81	70	1000	280	4000	250	9.9	1,00	0.67	T2000
CS1032	51	-32	50,8	2	59,1	2.33	70	1000	280	4000	300	11.8	1,42	0.95	T2000

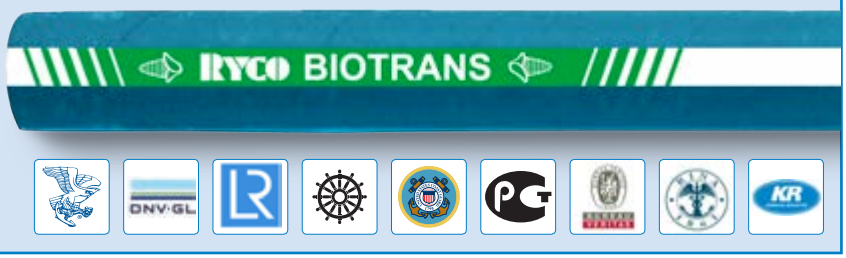
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPECIALTY AND HIGH TEMPERATURE

BT1

ONE WIRE BRAID HOSE



RECOMMENDED FOR:
Transportation, marine fuel and engine hose applications. Low pressure hydraulic oil return lines, general purpose water, glycol antifreeze solutions, biodiesel, diesel fuel, ethanol, gasoline/ petrol or air.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: SAE J1527 Type Class I, USCG SAE J1942, SAE J30R2 (non-marine). Meets SAE J30R2 performance requirements for non-marine applications and SAE J1527 Type Class I and USCG SAEJ1942 for marine applications.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Blue, oil resistant and abrasion resistant synthetic rubber.

MSHA - FLAME RESISTANCE:
Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

TEMPERATURE RANGE:

MEDIA	TEMP °C MIN	MAX
Petroleum based hydraulic fluids	- 40	+135
Water, water/oil emulsion and water/glycol hydraulic fluids	—	80
Engine oil, lubricating oils	-40	121
Air	—	70
Diesel, JP8	-20	100
Biodiesel	- 40	100
Gasoline/petrol	-20	80
Ethanol blends (15% max.ethanol)	-20	80

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 187 to 232.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -16) pages 250 to 271.
K000 Series ferrule (sizes -04 to -16) page 353.
Assembly Instructions page 476.

BT1 – BIOTRANS HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PC	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
BT14	6	-04	6,6	1/4	13,3	0.52	50	725	200	2900	25	1.0	0,22	0.15	T2000	6000 (K000)
BT15	8	-05	8,2	5/16	14,9	0.59	50	725	200	2900	30	1.2	0,25	0.17	T2000	
BT16	10	-06	9,8	3/8	17,3	0.68	50	725	200	2900	35	1.4	0,31	0.21	T2000	6000 (K000)
BT18	12	-08	13,0	1/2	20,3	0.80	50	725	200	2900	55	2.2	0,39	0.26	T2000	6000 (K000)
BT110	16	-10	16,2	5/8	23,6	0.93	50	725	200	2900	70	2.8	0,49	0.33	T2000	6000 (K000)
BT112	19	-12	19,1	3/4	27,6	1.09	50	725	200	2900	80	3.2	0,62	0.41	T2000	6000 (K000)
BT116	25	-16	25,4	1	35,5	1.40	50	725	200	2900	105	4.1	0,90	0.60	T2000	6000 (K000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

SW

VERY HIGH PRESSURE WATERBLAST

RECOMMENDED FOR:
Very High Pressure waterblast hose for the cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.
DO NOT USE with Steam.

TUBE:
Oil and water resistant synthetic rubber.

REINFORCEMENT:
Four alternating layers of spiralled high tensile steel wire.

COVER:
Oil, water and ozone resistant synthetic rubber. The cover is formulated to resist marking. Internal and External skiving required with TW4000 Series Interlok Crimp Couplings.

FEATURES:
Exceeds ISO 7751 performance requirements.
Meets specifications EN 1829-2 (impulse) and AS/NZS 4233.2.
Highly abrasion resistant cover.

TEMPERATURE RANGE:
Continuous service from -20°C to +80°C (-4°F to +176°F).
Intermittent service to +100°C (+212°F).

WORKING PRESSURE:
Maximum working pressures are based on 2.5:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
INTERLOK SKIVE ONE-PIECE CRIMP
TW4000 Series (Sizes -06 to -16) page 323.
Assembly Instructions page 479

A MEMBER OF
THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING ASSOCIATION

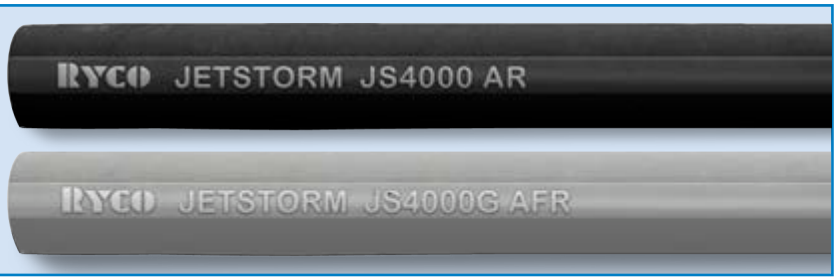
SW SHOCKWAVE - VERY HIGH PRESSURE HOSE				NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
COLOUR CODE	PART NO	HOSE SIZE														INTERLOK ONE-PIECE
	Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	INT/EXT SKIVE
	SW18006	10	-06	9,5	3/8	21,5	0.85	1250	18125	3125	45315	150	5.9	0,56	0.37	TW4000
	SW16008	12	-08	12,7	1/2	24,6	0.97	1100	16000	2750	40000	180	7.1	0,83	0.56	TW4000
	SW14512	19	-12	19,0	3/4	31,9	1.26	1000	14500	2500	36250	220	8.7	0,92	0.62	TW4000
	SW10012	19	-12	19,0	3/4	30,6	1.21	700	10000	1750	25000	220	8.7	1,34	0.90	TW4000
	SW10016	25	-16	25,4	1	37,6	1.48	700	10000	1750	25000	250	9.8	1,39	0.93	TW4000

Cutting and Assembly Charges apply to all RYCO hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

WJTA-IMCA colour code recommendations:	
	20K Pressure Range
	15K Pressure Range
	10K Pressure Range

JS4000/G

PRESSURE WASHER
280 BAR/4100 PSI



RECOMMENDED FOR:
Hot Water Pressure Washer Machines.
DO NOT USE with Steam.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:
Black, heat resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Oil resistant synthetic rubber formulated to resist marking.

JS4000, black, highly abrasion resistant (AR), non marking.
JS4000G, grey, animal fat resistant (AFR), non marking.

Embossed layline for positive, permanent identification.
No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
JS4000/G JETSTORM Hoses handle hot water up to +135°C (+275°F) with intermittent service to +150°C (+302°F).

WORKING PRESSURE:
Maximum working pressures are based on 3:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -08) pages 187 to 232.
Assembly Instructions pages 478.

A MEMBER OF
THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

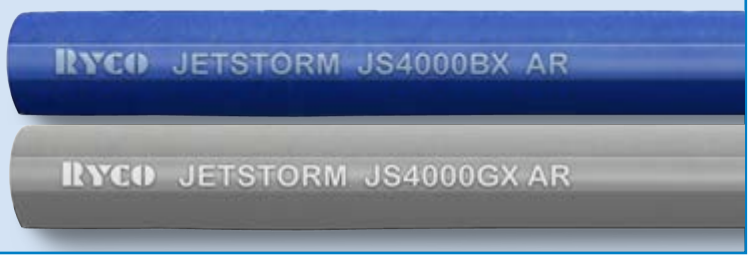
THE AUSTRALASIAN HIGH PRESSURE WATER JETTING ASSOCIATION

JS4000 JETSTORM - PRESSURE WASHER HOSE														
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
JS4004/G	6	-04	6,6	1/4	11,5	0.45	280	4100	840	12300	50	2.0	0,15	0.10	T2000
JS4005/G	8	-05	8,2	5/16	13,1	0.52	280	4100	840	12300	55	2.2	0,18	0.12	T2000
JS4006/G	10	-06	9,8	3/8	15,3	0.60	280	4100	840	12300	65	2.6	0,23	0.15	T2000
JS4008/G	12	-08	13,0	1/2	18,3	0.72	280	4100	840	12300	90	3.6	0,31	0.21	T2000

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

JS4000BX/GX

PRESSURE WASHER
280 BAR/4100 PSI



RECOMMENDED FOR:
Hot Water Pressure Washer Machines.
DO NOT USE with Steam.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:
Black, heat resistant synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Oil resistant synthetic rubber formulated to resist marking
.JS4000BX, blue, highly abrasion resistant (AR), non marking
JS4000GX, grey, highly abrasion resistant (AR), non marking.
Embossed layline for positive, permanent identification.
No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
JS4000BX/GX JETSTORM Hoses handle hot water up to +135°C (+275°F) with intermittent service to +150°C (+302°F).

WORKING PRESSURE:
Maximum working pressures are based on 3:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -08) pages 187 to 232.
Assembly Instructions pages 478.

A MEMBER OF
THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING ASSOCIATION

JS4000 JETSTORM - PRESSURE WASHER HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
JS4004BX	6	-04	6,6	1/4	12,6	0.50	280	4100	840	12300	50	2.0	0,18	0.12	T2000
JS4005BX	8	-05	8,2	5/16	14,2	0.56	280	4100	840	12300	55	2.2	0,22	0.15	T2000
JS4006BX	10	-06	9,8	3/8	16,4	0.65	280	4100	840	12300	65	2.6	0,26	0.17	T2000
JS4008BX	12	-08	13,0	1/2	19,4	0.76	280	4100	840	12300	90	3.6	0,36	0.24	T2000
JS4004GX	6	-04	6,6	1/4	12,6	0.50	280	4100	840	12300	50	2.0	0,18	0.12	T2000
JS4005GX	8	-05	8,2	5/16	14,2	0.56	280	4100	840	12300	55	2.2	0,22	0.15	T2000
JS4006GX	10	-06	9,8	3/8	16,4	0.65	280	4100	840	12300	65	2.6	0,26	0.17	T2000
JS4008GX	12	-08	13,0	1/2	19,4	0.76	280	4100	840	12300	90	3.6	0,36	0.24	T2000

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

JS6000/G

PRESSURE WASHER
420 BAR/6100 PSI

RECOMMENDED FOR:
Hot Water Pressure Washer Machines.
DO NOT USE with Steam.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:
Black, heat resistant synthetic rubber.

REINFORCEMENT:
Two braid of high tensile steel wire.

COVER:
Oil resistant synthetic rubber formulated to resist marking.

JS6000, black, highly abrasion resistant (AR), non marking
JS6000G, grey, animal fat resistant (AFR), non marking.

Embossed layline for positive, permanent identification.

No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
JS6000/G JETSTORM Hoses handle hot water up to +135°C (+275°F) with intermittent service to +150°C (+302°F).

WORKING PRESSURE:
Maximum working pressures are based on 3:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -08) pages 187 to 232.
Assembly Instructions pages 478.

A MEMBER OF
THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

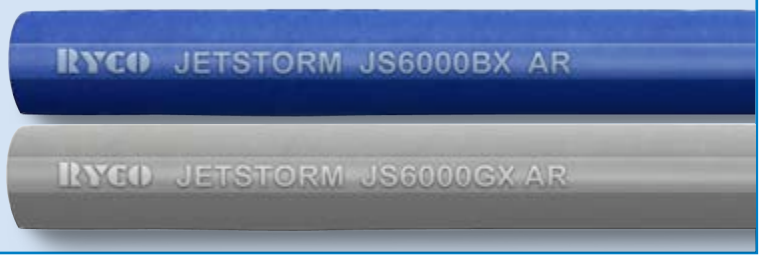
THE AUSTRALASIAN HIGH PRESSURE WATER JETTING ASSOCIATION

JS6000 JETSTORM - PRESSURE WASHER HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
JS6004/G	6	-04	6,6	1/4	12,4	0.49	420	6100	1260	18300	50	2.0	0,23	0.15	T2000
JS6005/G	8	-05	8,2	5/16	14,5	0.57	420	6100	1260	18300	55	2.2	0,30	0.20	T2000
JS6006/G	10	-06	9,8	3/8	16,3	0.64	420	6100	1260	18300	65	2.6	0,32	0.22	T2000
JS6008/G	12	-08	13,0	1/2	19,3	0.76	420	6100	1260	18300	90	3.6	0,44	0.30	T2000

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

JS6000BX/GX

PRESSURE WASHER
420 BAR/6100 PSI



RECOMMENDED FOR:
Hot Water Pressure Washer Machines.
DO NOT USE with Steam.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:
Black, heat resistant synthetic rubber.

REINFORCEMENT:
Two braid of high tensile steel wire.

COVER:
Oil resistant synthetic rubber formulated to resist marking.

JS6000BX, blue, highly abrasion resistant (AR), non marking.
JS6000GX, grey, highly abrasion resistant (AR), non marking.

Embossed layline for positive, permanent identification.

No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:
JS6000BX/GX JETSTORM Hoses handle hot water up to +135°C (+275°F) with intermittent service to +150°C (+302°F).

WORKING PRESSURE:
Maximum working pressures are based on 3:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -08) pages 187 to 232.
Assembly Instructions pages 478.

A MEMBER OF
THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING ASSOCIATION

JS6000 JETSTORM - PRESSURE WASHER HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE														ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
JS6004BX	6	-04	6,6	1/4	13,5	0.53	420	6100	1260	18300	50	2.0	0,26	0.17	T2000
JS6005BX	8	-05	8,2	5/16	15,6	0.61	420	6100	1260	18300	55	2.2	0,34	0.23	T2000
JS6006BX	10	-06	9,8	3/8	17,4	0.69	420	6100	1260	18300	65	2.6	0,35	0.24	T2000
JS6008BX	12	-08	13,0	1/2	20,4	0.80	420	6100	1260	18300	90	3.6	0,49	0.33	T2000
JS6004GX	6	-04	6,6	1/4	13,5	0.53	420	6100	1260	18300	50	2.0	0,26	0.17	T2000
JS6005GX	8	-05	8,2	5/16	15,6	0.61	420	6100	1260	18300	55	2.2	0,34	0.23	T2000
JS6006GX	10	-06	9,8	3/8	17,4	0.69	420	6100	1260	18300	65	2.6	0,35	0.24	T2000
JS6008GX	12	-08	13,0	1/2	20,4	0.80	420	6100	1260	18300	90	3.6	0,49	0.33	T2000

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

SRF
COMPACT SUCTION & RETURN HOSE

RECOMMENDED FOR:
Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Small bend radius is an advantage in installations where space is minimal. (Tighter Bend Radius than SAE 100R4)

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R4, SAE 100R4.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Textile reinforcement with spiral wire to prevent collapsing.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:
From -20°C to +82°C (-4°F to +180°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:
Working pressure shown is for hose performance capabilities. Performance of a hose assembly depends on couplings used.

1. **For Suction Applications, and Low Pressure Delivery (up to 25% of Maximum Working Pressure).**

33000 SERIES COUPLINGS WITH RSC CLAMP
33000 Series (sizes -12 to -32) pages 334 to 338
3300 Series Couplings require a suitable clamp around the outside of the hose. Refer to RYCO RSC Clamps shown below. Assembly instructions pages 481

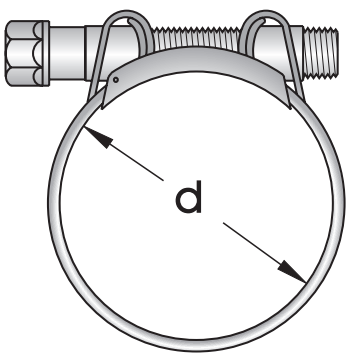
2. **For Suction Applications, and High Pressure Delivery (up to 100% of Maximum Working Pressure).**

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -12 to -32) pages 233 to 249.
Assembly Instructions pages 478.

SRF – DEFIANT COMPACT SUCTION AND RETURN HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT	
PART NO	HOSE SIZE															
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft
SRF12	19	-12	19,1	3/4	31,5	1.24	21	300	84	1200	65	2.5	635	25	0,82	0.55
SRF16	25	-16	25,4	1	40,0	1.57	17	250	68	1000	75	2.9	635	25	1,00	0.67
SRF20	31	-20	31,8	1.1/4	46,5	1.83	14	200	56	800	100	3.9	635	25	1,19	0.80
SRF24	38	-24	38,1	1.1/2	53,1	2.09	11	150	42	600	125	4.9	635	25	1,39	0.93
SRF32	51	-32	50,8	2	65,5	2.58	7	100	28	400	150	5.9	635	25	1,94	1.30

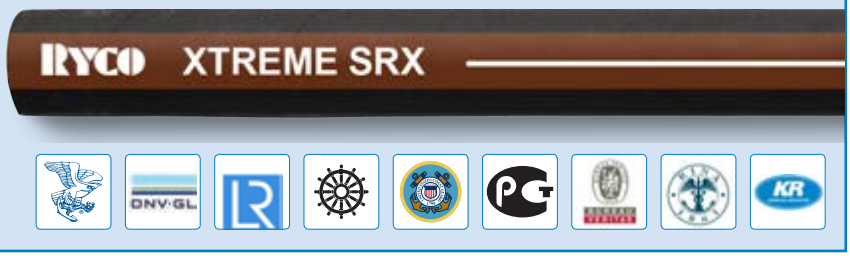
HOSE PART NO	CLAMP PART NO	CLAMP ADJUSTMENT RANGE	RECOMMENDED TIGHTENING TORQUE	
		d mm	N.m	ft.lbf
SRF12	RSC-3134	31 to 34	20	15
SRF16	RSC-3740*	37 to 40	20	15
	RSC-4043*	40 to 43	20	15
SRF20	RSC-4347*	43 to 47	20	15
	RSC-4751*	47 to 51	20	15
SRF24	RSC-5155	51 to 55	20	15
SRF32	RSC-6368	63 to 68	25	18

NOTE: For sizes -20, -24 & -32, use **RYCO SRF** Hose.
*Due to the manufacturing tolerance on outside diameter of the hose and the range of adjustment of the clamp, it is necessary to confirm correct clamp at time of assembly.



SRX

EXTREME FLEXIBILITY
COMPACT
SUCTION AND RETURN



RECOMMENDED FOR:
Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Extreme Flexibility is an advantage in installations where space is minimal.
(Tighter Bend Radius than SAE 100R4)

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R4, SAE 100R4.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Textile reinforcement with spiral wire to prevent collapsing.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:
From -20°C to +82°C (-4°F to +180°F)

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -12 to -48) pages 233 to 249.
Assembly Instructions pages 478.

SRX- XTREME SUCTION AND RETURN HOSE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE															ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE
SRX12	19	-12	19,1	3/4	29.6	1.17	21	305	84	1,218	40	1.6	600	23	0,52	0.35	T4000
SRX16	25	-16	25,4	1	36.2	1.43	17	247	68	986	45	1.8	600	23	0,63	0.42	T4000
SRX20	31	-20	31,8	1.1/4	44.0	1.73	14	203	56	812	60	2.4	600	23	0,82	0.55	T4000
SRX24	38	-24	38,1	1.1/2	49.4	1.94	11	145	42	580	65	2.6	600	23	1,07	0.72	T4000
SRX32	51	-32	50,8	2	63.8	2.51	7	102	28	406	100	3.9	600	23	1,54	1.03	T4000
SRX40	63	-40	63,5	2.1/2	76.5	3.01	4	58	16	232	140	5.5	600	23	2,01	1.35	T4000
SRX48	76	-48	76,2	3	89.9	3.54	4	58	16	232	180	7.1	600	23	2,50	1.68	T4000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RTH1
STAINLESS STEEL BRAID TEFLON* HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines. Fluids at extremes of pressure and temperature. RYCO RTH1 Series Hose Lining is chemically pure, inert and contains no leachable additives. RYCO RTH1 is remarkably resistant to high temperature and flame. It has a very high melting point, thermal degradation threshold and auto-ignition temperature. Warning: RTH1 Hose Liner is non-conductive. Do not use with high velocity fluids and gases, as static electricity may be generated and cause premature failure of hose. If in doubt contact RYCO Hydraulics technical department.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: SAE 100R14. RTH112 meets ID and OD requirements of SAE 100R14. Other sizes have ID and OD different to SAE 100R14.

TUBE:
TEFLON® (PTFE).

REINFORCEMENT:
One braid of high tensile Grade 304 stainless steel wire.

TEMPERATURE RANGE:
From -60°C to +260°C (-76°F to +500°F).
(According to application).
For water, emulsions etc. see page 58.

WORKING TEMPERATURE		% OF WORKING PRESSURE THAT MAY BE USED SAFELY
°C	°F	Percentage
-60°C to +100°C	(-76°F to +212°F)	100
+101°C to +150°C	(+214°F to +302°F)	93
+151°C to +200°C	(+304°F to +392°F)	85
+201°C to +250°C	(+394°F to +482°F)	77
+251°C to +260°C	(+484°F to +500°F)	70

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:
ONE-PIECE CRIMP
TT000 Series (sizes -04 to -16) pages 317 to 320.
Assembly instructions page 480.

RTH1 – TEFLON* HOSE																	
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MAXIMUM WORKING PRESSURE SAE100R14		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
RTH14	6	-04	6,4	1/4	9,4	0.37	170	2450	105	1500	680	9800	75	3.0	0,12	0.08	TT000
RTH16	10	-06	9,5	3/8	11,7	0.46	165	2375	105	1500	660	9500	125	5.0	0,14	0.09	TT000
RTH18	12	-08	12,7	1/2	15,4	0.61	120	1750	56	800	485	7000	140	5.5	0,22	0.15	TT000
RTH110	16	-10	15,9	5/8	18,4	0.72	105	1500	56	800	420	6000	165	6.5	0,28	0.19	TT000
RTH112	19	-12	19,1	3/4	22,1	0.87	85	1250	56	800	345	5000	200	8.0	0,33	0.22	TT000
RTH116	25	-16	25,4	1	28,6	1.13	55	800	56	800	220	3200	300	12.0	0,46	0.31	TT000

* DuPont Registered TM
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

PL1

PUSH-ON HOSE
ONE TEXTILE BRAID HOSE

RECOMMENDED FOR:
Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type 1, SAE 100R6.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One textile braid.

COVER:
Black, oil and abrasion resistant synthetic rubber.
No skiving required with T4000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
Meets either Flame Resistance Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration; or "GL" Germanischer Lloyd. Contact RYCO for further information.

TEMPERATURE RANGE:
From -40°C to +95°C (-40°F to +203°F).
For water, emulsions etc. see page <?>.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure). PL1 Hose, and 800 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1 Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
8000 Series Push-On (sizes -04 to -12) pages 325 to 331.
PL1 Hose simply pushes on to 8000 Series Couplings.
For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

PL1 PUSH ON HOSE																	COUPLING SERIES	
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM STATIC WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		ONE PC	PUSH ON
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE	
PL14	6	-04	6,6	1/4	12,3	0.48	28	410	112	1640	65	2.5	710	28	0,12	0.08	T4000	8000
PL15	8	-05	8,2	5/16	13,9	0.55	28	410	112	1640	75	3.0	710	28	0,14	0.09	T4000	8000
PL16	10	-06	9,8	3/8	15,5	0.61	28	410	112	1640	75	3.0	635	25	0,17	0.11	T4000	8000
PL18	12	-08	13,0	1/2	19,0	0.75	28	410	112	1640	100	4.0	460	18	0,22	0.15	T4000	8000
PL110	16	-10	16,2	5/8	22,6	0.89	24	350	96	1400	125	5.0	380	15	0,29	0.19	T4000	8000
PL112	19	-12	19,1	3/4	25,8	1.02	21	305	84	1220	150	6.0	380	15	0,34	0.23	T4000	8000

PL1D

EXTRA ABRASION RESISTANT
FRAS
ONE TEXTILE BRAID HOSE
PUSH ON HOSE

RECOMMENDED FOR:
Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type R6, SAE 100R6.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One textile braid.

COVER:
DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. No skiving required with T4000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
DIEHARD™ FRAS textile braided hose meets or exceeds the Flame Resistance of U.S.A. MSHA Code of Federal Regulations Title 30 Part 18 Section 18.65 and the Anti-Static requirements of MDG 41, AS1180-13A and ISO 8031 having a resistance of less than 1MΩ per metre.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure). PL1D Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1D Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
8000 Series Push-On (sizes -04 to -12) pages 325 to 331.
PL1D Hose simply pushes on to 8000 Series Couplings. For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

PL1 D PUSH ON HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM STATIC WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE																ONE PC	PUSH ON
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE	
PL14D	6	-04	6,6	1/4	12,7	0.50	30	435	120	1740	65	2.6	710	28	0,12	0.08	T4000	8000
PL15D	8	-05	8,2	5/16	14,3	0.56	30	435	120	1740	75	3.0	710	28	0,15	0.10	T4000	8000
PL16D	10	-06	9,8	3/8	15,9	0.63	30	435	120	1740	75	3.0	635	25	0,17	0.11	T4000	8000
PL18D	12	-08	13,0	1/2	19,8	0.78	30	435	120	1740	90	3.5	460	18	0,23	0.15	T4000	8000
PL110D	16	-10	16,2	5/8	23,0	0.91	26	375	104	1500	125	4.9	380	15	0,29	0.19	T4000	8000
PL112D	19	-12	19,1	3/4	26,4	1.04	22	320	88	1280	150	5.9	380	15	0,36	0.24	T4000	8000

PL1PV

FIRE RESISTANT UL94 V-0 ONE TEXTILE BRAID HOSE PUSH ON HOSE

RECOMMENDED FOR:
Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS 3791 100R6, ISO 4079 Type 1, SAE 100R6.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One textile braid.

COVER:
Black, oil and flame resistant synthetic rubber. Highly visible layline branding for easy and permanent identification. No skiving required with T4000 Series Crimp Couplings.

FLAME RESISTANCE:
Meets flame resistance requirements of UL94 V-0 - Standard for tests of flammability of plastic materials for parts and appliances. Certification No 20170622-E489804.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure). PL1PV Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1PV Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
8000 Series Push-On (sizes -04 to -12) pages 325 to 331.
PL1PV Hose simply pushes on to 8000 Series Couplings.
For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

PL1 PV PUSH ON HOSE																		
																	COUPLING SERIES	
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM STATIC WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		ONE PC	PUSH ON
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE	
PL14PV	6	-04	6,6	1/4	12,7	0.50	30	410	112	1640	65	3.0	710	28	0,12	0.08	T4000	8000
PL15PV	8	-05	8,2	5/16	14,3	0.56	30	410	112	1640	75	3.0	710	28	0,15	0.10	T4000	8000
PL16PV	10	-06	9,8	3/8	15,9	0.63	30	410	112	1640	75	3.0	635	25	0,17	0.11	T4000	8000
PL18PV	12	-08	13,0	1/2	19,8	0.78	30	410	112	1640	100	5.0	460	18	0,23	0.15	T4000	8000
PL110PV	16	-10	16,2	5/8	23,0	0.91	26	350	96	1400	125	6.0	380	15	0,29	0.19	T4000	8000
PL112PV	19	-12	19,1	3/4	26,4	1.04	22	305	84	1220	150	6.9	380	15	0,36	0.24	T4000	8000

M1

FUEL LINE
ONE TEXTILE BRAID HOSE

RECOMMENDED FOR:
Multi-purpose hose for use on fuel lines, PCV and EEC systems, and for fuel return hose connections on diesel fuel injection systems. For use with leaded and unleaded petrol, oil, diesel and other fuels.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
SAE 30R7.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
One textile braid.

COVER:
Black, oil resistant synthetic rubber. Resists the effects of high heat and ozone found in engine compartments.

TEMPERATURE RANGE:
From -40°C to +125°C (-40°F to +257°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

M1 – FUEL LINE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		VACUUM RATING AT 20°C (68°F)	
PART NO	HOSE SIZE															
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	mmHg	inHg
M14	6	-04	6,4	1/4	12,7	0.50	3,5	50	14	200	75	3.0	0,14	0.09	610	24
M15	8	-05	7,9	5/16	14,3	0.56	3,5	50	14	200	75	3.0	0,17	0.11	610	24
M16	10	-06	9,5	3/8	15,9	0.63	3,5	50	14	200	100	4.0	0,18	0.12	610	24

MP1

MULTI PURPOSE
ONE TEXTILE BRAID HOSE

RECOMMENDED FOR:
Air, water, petroleum oils, kerosene and fuel oils.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
RMA (USA) Class A High Oil Resistance (tube),
RMA (USA) Class B Medium Oil Resistance (cover),

TUBE:
Black, oil resistant synthetic rubber. RMA (USA) Class A High Oil Resistance.

REINFORCEMENT:
One textile braid.

COVER:
Red, oil resistant and abrasion resistant synthetic rubber (Modified Nitrile). RMA (USA) Class B Medium Oil Resistance. No skiving required with T4000 Series Crimp Couplings.

FEATURES:
Tube non-conductive at 1000 volts DC. Meets electrical resistance of one megohm per inch when subjected to 1000 volts DC. Incorrect storage and use may adversely affect electrical properties.

TEMPERATURE RANGE:
Air, water, petroleum & lubricating oils: -40°C to +93°C (-40°F to +200°F). Petrol, kerosene, fuel oils: -40°C to +49°C (-40°F to +120°F). For continuous service at upper temperature limit, reduce maximum working pressure by 30%.
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure) , and are for the performance of the hose with RYCO T4000 Series BITELOK One-Piece couplings only. Maximum working pressure for a hose assembly with other couplings depends on the type of coupling and the type of clamp used. MP1 Hose should not be used at maximum working pressure and maximum working temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -20) pages 233 to 249.
Assembly Instructions pages 478.

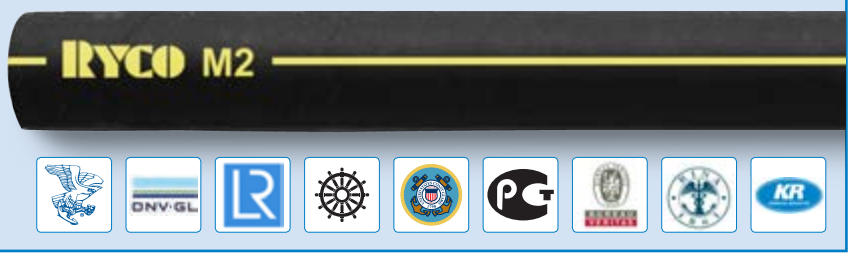
Standard industrial hose barbed tails with hose clamps may also be suitable depending on working pressure required.

Not suitable for use with RYCO 8000 Series Push-On couplings.

MP1 – MULTI PURPOSE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
MP14	6	-04	6,4	1/4	13,5	0.53	13,8	200	55,2	800	50	2.0	0,16	0.11	T4000
MP16	10	-06	9,5	3/8	17,5	0.69	13,8	200	55,2	800	70	3.0	0,24	0.16	T4000
MP18	12	-08	12,7	1/2	21,4	0.84	13,8	200	55,2	800	85	4.0	0,33	0.22	T4000
MP110	16	-10	15,9	5/8	25,4	1.00	13,8	200	55,2	800	105	5.0	0,43	0.29	T4000
MP112	19	-12	19,1	3/4	28,6	1.13	13,8	200	55,2	800	120	5.0	0,48	0.32	T4000
MP116	25	-16	25,4	1	37,3	1.47	13,8	200	55,2	800	155	8.0	0,82	0.55	T4000
MP120	31	-20	31,8	1.1/4	43,9	1.73	13,8	200	55,2	800	230	10.0	1,00	0.68	T4000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

M2
TEXTILE
TWO TEXTILE BRAID HOSE



RECOMMENDED FOR:
Medium pressure hydraulic oil lines, antifreeze solutions, water.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R3, DIN 20021-2TE, ISO 4079 Type R3, SAE 100R3.

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two textile braids.

COVER:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T4000 Series Crimp Couplings and M000 Series Field Attachable Couplings.

MSHA - FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:
ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -12) pages 250 to 271.
M000 Series ferrule (sizes -04 to -12) page 353.
Assembly Instructions page 476.

M2 – TEXTILE BRAID																
			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PC	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
M24	6	-04	6,4	1/4	14,3	0.56	88	1250	350	5000	75	3.0	0,16	0.11	T4000	6000 (M000)
M25	8	-05	7.9	5/16											T4000	6000 (M000)
M26	10	-06	9,5	3/8	19,0	0.75	78	1125	312	4500	100	4.0	0,28	0.19	T4000	6000 (M000)
M28	12	-08	12,7	1/2	23,8	0.94	70	1000	280	4000	125	5.0	0,41	0.28	T4000	6000 (M000)
M212	19	-12	19,1	3/4	31,7	1.25	52	750	210	3000	150	9.5	0,65	0.44	T4000	6000 (M000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

M2G

TWO TEXTILE BRAID HOSE LPG (CLASS C)

IMPORTANT INFORMATION
RYCO **M2G Series** LPG Hose has Australian Gas Association approval (AGA approval No. 4247) only when used with RYCO **T4000 Series** One-Piece Non-Skive Crimp Couplings, or RYCO **M000 Series** Field Attachables.

AVAILABLE ONLY AS FACTORY FITTED HOSE ASSEMBLIES.
WARNING: Do not use Field Attachable Couplings for domestic applications.
(This is a requirement of Australian Standard AS/NZS 1869).

For any queries, please contact RYCO Technical Department.

RECOMMENDED FOR:
Liquified Petroleum Gas and Natural Gas.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of: AS/NZS 1869 Class C (2,6 MPa working pressure, +65°C/+149°F max. temperature).

TUBE:
Black, oil resistant synthetic rubber.

REINFORCEMENT:
Two textile braids.

COVER:
Black, abrasion resistant synthetic rubber. Pin-pricked (perforated). No skiving required with T4000 Series Crimp Couplings and M000 Series Field Attachable Couplings.

TEMPERATURE RANGE:
From -20°C to +65°C (-4°F to +149°F).

THIRD PARTY APPROVALS:
AUSTRALIAN GAS ASSOCIATION Approval No. 4247.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T4000 Series (Sizes -04 to -12) pages 233 to 249.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (sizes -04 to -12) pages 250 to 271.
M000 Series ferrule (sizes -04 to -12) page 353.
Assembly Instructions page 476.

M2G – LPG HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
															ONE PC	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
M24G	6	-04	6,4	1/4	14,3	0.56	26	375	104	1500	75	3.0	0,16	0.11	T4000	6000 (M000)
M26G	10	-06	9,5	3/8	19,0	0.75	26	375	104	1500	100	4.0	0,28	0.19	T4000	6000 (M000)
M28G	12	-08	12,7	1/2	23,8	0.94	26	375	104	1500	125	5.0	0,41	0.28	T4000	6000 (M000)
M212G	19	-12	19,1	3/4	31,7	1.25	26	375	104	1500	240	9.5	0,65	0.44	T4000	6000 (M000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP7
SPIDERLINE R7 HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of synthetic fibre.

COVER:
Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

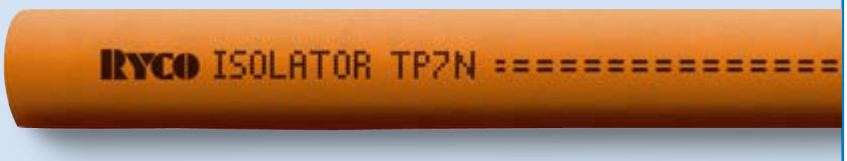
NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -03 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP7 – SPIDERLINE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP73	5	-03	5,0	3/16	9,6	0.38	210	3000	840	12000	25	1.0	0,06	0.04	TP000
TP74	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,10	0.07	TP000
TP75	8	-05	8,1	5/16	14,3	0.56	190	2700	760	10800	45	1.8	0,13	0.09	TP000
TP76	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,15	0.10	TP000
TP78	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,22	0.15	TP000
TP712	19	-12	19,5	3/4	27,1	1.07	90	1300	360	5200	140	5.5	0,34	0.23	TP000
TP716	25	-16	25,9	1	34,0	1.34	70	1000	280	4000	190	7.5	0,46	0.31	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP7N

ISOLATOR
R7 NON CONDUCTIVE HOSE



RECOMMENDED FOR:
Hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The high strength, non-metallic reinforcement gives these hoses excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of synthetic fibre.

COVER:
Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:
Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP7N – ISOLATOR NON-CONDUCTIVE HOSE															
		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE													ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP74N	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,10	0.07	TP000
TP76N	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,15	0.10	TP000
TP78N	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,22	0.15	TP000
TP712N	19	-12	19,5	3/4	27,1	1.07	90	1300	360	5200	140	5.5	0,34	0.23	TP000
TP716N	25	-16	25,9	1	34,0	1.34	70	1000	280	4000	190	7.5	0,46	0.31	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP7T
SPIDERLINE R7 TWIN HOSE

RECOMMENDED FOR:
RYCO TP7T SPIDERLINE TWIN Hose consists of two TP7 Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used on dispensing equipment and other applications requiring two hoses.

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of synthetic fibre.

COVER:
Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP7T – SPIDERLINE TWIN HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE														ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP74T	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,20	0.13	TP000
TP75T	8	-05	8,1	5/16	14,3	0.56	190	2700	760	10800	45	1.8	0,26	0.18	TP000
TP76T	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,30	0.20	TP000
TP78T	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,44	0.30	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP7TN

ISOLATOR
R7 NON CONDUCTIVE
TWIN HOSE

RECOMMENDED FOR:
RYCO TP7TN ISOLATOR TWIN Hose consists of two TP7N Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used for hydraulic powered hand tools, such as loppers and chain saws, and other applications requiring two hoses. TP7TN is used where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Suitable for use with some gases, fluids and chemicals (contact RYCO Hydraulics Technical Department). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The polyester reinforcement gives TP7TN Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of synthetic fibre.

COVER:
Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:
Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP7TN – ISOLATOR NON-CONDUCTIVE TWIN HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP74TN	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,20	0.13	TP000
TP76TN	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,30	0.20	TP000
TP78TN	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,44	0.30	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP8
SPIDERLINE R8 HOSE

RECOMMENDED FOR:
High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of aramid fibre.

COVER:
Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP8 – SPIDERLINE HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP84	6	-04	6,5	1/4	11,5	0.45	350	5000	1400	20000	50	2.0	0,09	0.06	TP000
TP86	10	-06	9,7	3/8	15,5	0.61	280	4000	1120	16000	60	2.4	0,14	0.09	TP000
TP88	12	-08	13,0	1/2	19,9	0.78	245	3500	980	14000	80	3.1	0,20	0.13	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP8N

ISOLATOR
R8 NON CONDUCTIVE HOSE

RECOMMENDED FOR:
Hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Smooth inner tube for high flow rate; and smooth, easily cleaned cover.
The high strength, non-metallic reinforcement gives these hoses excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of aramid fibre.

COVER:
Orange, oil and abrasion resistant thermoplastic (Polyurethane).
Cover is non-perforated.

FEATURES:
Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP8N – ISOLATOR NON-CONDUCTIVE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE														ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP84N	6	-04	6,5	1/4	11,5	0.45	350	5000	1400	20000	50	2.0	0,09	0.06	TP000
TP86N	10	-06	9,7	3/8	15,5	0.61	280	4000	1120	16000	60	2.4	0,14	0.09	TP000
TP88N	12	-08	13,0	1/2	19,9	0.78	245	3500	980	14000	80	3.1	0,20	0.13	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP8T
SPIDERLINE R8 TWIN HOSE

RECOMMENDED FOR:
RYCO TP8T SPIDERLINE TWIN Hose consists of two TP8 Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used on dispensing equipment and other applications requiring two hoses.

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of aramid fibre.

COVER:
Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 ˚C (+158 ˚F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP8T – SPIDERLINE TWIN HOSE															
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP84T	6	-04	6,5	1/4	11,5	0.45	350	5000	1400	20000	50	2.0	0,17	0.11	TP000
TP86T	10	-06	9,7	3/8	15,5	0.61	280	4000	1120	16000	60	2.4	0,27	0.18	TP000
TP88T	12	-08	13,0	1/2	19,9	0.78	245	3500	980	14000	80	3.1	0,40	0.27	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP8TN

ISOLATOR
R8 NON CONDUCTIVE TWIN HOSE

RECOMMENDED FOR:
RYCO TP8TN ISOLATOR TWIN Hose consists of two TP8N Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used for hydraulic powered hand tools, such as loppers and chain saws, and other applications requiring two hoses. TP8TN is used where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Suitable for use with some gases, fluids and chemicals (contact RYCO Hydraulics Technical Department). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The aramid reinforcement gives TP8TN Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
AS 3791 100R8, EN 855 Type R8, ISO 3949, SAE 100R8.

TUBE:
White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:
One or two braids of aramid fibre.

COVER:
Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:
Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 °C (+158 °F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP8TN – ISOLATOR NON-CONDUCTIVE TWIN HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
PART NO	HOSE SIZE														
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP84TN	6	-04	6,5	1/4	11,5	0.45	350	5000	1400	20000	50	2.0	0,17	0.11	TP000
TP86TN	10	-06	9,7	3/8	15,5	0.61	280	4000	1120	16000	60	2.4	0,27	0.18	TP000
TP88TN	12	-08	13,0	1/2	19,9	0.78	245	3500	980	14000	80	3.1	0,40	0.27	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP3000

LOW TEMPERATURE R18 ISOBARIC HOSE 210 BAR / 3000 PSI

RECOMMENDED FOR:
Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in forklift systems. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.

PERFORMANCE:
Meets or Exceeds the Performance Requirements of:
SAE 100 R18.

TUBE:
Polyester elastomer.

REINFORCEMENT:
One or two braids of synthetic fibre.

COVER:
Special polyester, black with white ink-jet branding.
Cover is perforated (pin-pricked).

FEATURES:
Special polyester cover resistant to low temperatures and harsh weather conditions. Optimum bonding between tube, braids and cover for tight bend radii without cover wrinkling.

TEMPERATURE RANGE:
From -55˚C to +100˚C (-67˚F to +212˚F)
Air & Water +70 ˚C (+158 ˚F)
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP3000 – ISOBARIC THERMOPLASTIC HOSE															
			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES
PART NO	HOSE SIZE														ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP3004	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,09	0.06	TP000
TP3006	10	-06	9,7	3/8	16,6	0.65	210	3000	840	12000	45	1.8	0,16	0.11	TP000
TP3008	12	-08	13,0	1/2	22,5	0.89	210	3000	840	12000	70	2.8	0,29	0.20	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TPGL

THERMOPLASTIC HIGH PRESSURE GREASELINE HOSE

RECOMMENDED FOR:
Thermoplastic constant pressure hose for high pressure greasing and lubrication systems.

TUBE:
White, oil resistant seamless thermoplastic polymer.

REINFORCEMENT:
One braid of synthetic fibre.

COVER:
Black, oil and abrasion resistant thermoplastic ploymer.
Cover is non-perforated.

FEATURES:
Polyester reinforcement for high pressure.
Extremely compact and flexible, and highly kink resistant.
Special low-friction smooth cover for easy installation and compact routing.

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
TG000 Series (size -02) pages 321.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE
6000 SERIES insert (size -02) pages 355 to 385.
P000 Series ferrule (size -02) page 353.

TPGL – THERMOPLASTIC GREASELINE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
PART NO	HOSE SIZE														ONE PC	FIELD ATT
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
TPGL2	4	-02	4,0	0.16	8,3	0.33	250	3600	1000	14400	25	0.98	0,05	0.03	TG000	6000 (P000)

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

R4100N
FLEXIBLE GREASE GUN EXTENSIONS

RECOMMENDED FOR:
Rubber-covered hose for high pressure greasing and lubrication systems.

TUBE:
Black, oil resistant seamless synthetic rubber.

REINFORCEMENT:
One braid of high tensile steel wire.

COVER:
Black, oil and abrasion resistant synthetic rubber.

FEATURES:
Suit standard grease guns.
High tensile wire reinforcement for high pressure and durability.
Available in a variety of lengths

TEMPERATURE RANGE:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

R4100 - FLEXIBLE GREASE GUN EXTENSIONS				
PART NO	OVERALL LENGTH		END 1 CONNECTION	END 2 CONNECTION
Hose	mm	inch		
R4100	255	10	1/8" BSPT MALE	1/8" BSPT MALE
R4200	380	15	1/8" BSPT MALE	1/8" BSPT MALE
R4101	460	18	1/8" BSPT MALE	1/8" BSPT MALE
R4201	610	24	1/8" BSPT MALE	1/8" BSPT MALE
R4202	710	28	1/8" BSPT MALE	1/8" BSPT MALE

FS1072
FIRE SLEEVE

MEETS OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF:
SAE AEROSPACE STANDARD AS 1072.

RECOMMENDED FOR:
Increasing service life of hoses used in hostile environments. It is a tough, flexible insulation, which not only protects from from intense external radiant heat, but also sheds molten metal splash. Consequently, damage to hoses is reduced and service life is increased. In the event of fire, hoses carrying flammable or hazardous materials remain intact longer. It can also be used to protect cables, pipes and wire ropes. RYCO FS1072 FIRE SLEEVE can also be used to reduce heat loss from hoses.

CONSTRUCTION:
RYCO FS1072 FIRE SLEEVE is manufactured from high bulk braided glass fibre tubing, coated with silicon rubber. The "danger red" colour of the silicon rubber is due to heavy loading of iron oxide to improve heat resistance.

TEMPERATURE RANGE:
Continuous exposure:
from -54°C to +260°C (-65°F to +500°F)
15 to 20 minutes:
from +260°C to +1090°C (+500°F to +2000°F)
15 to 30 seconds:
from +1090°C to +1640°C (+2000°F to +3000°F)

TYPICAL PROPERTIES:

K Value in $\frac{BTU/°F/hr/in2}{Cal/cm}$	1.20
K Value in sec-cm2-°C	0.0004134

FLAME RESISTANCE:
7 seconds to extinguish with no afterglow.

ABRASION RESISTANCE:
Wyzenbeck 9500 cycles, 3.1/3 lb pressure, 6 lb tension using fine emery cloth.

OIL AND FLUID RESISTANCE:
Remains functional after immersion for 120hr @ 80°F in MIL-H-5606, MIL-L-6082, Skydrol 500 LD and Skydrol 500.

SIZE SELECTION:
FS1072 FIRE SLEEVE performs best when installed with a loose fit over a hose. However, some end users insist on a tight fit for the sake of appearance. To achieve this tight fit, use compressed air to expand FIRE SLEEVE as it is installed over the hose. Length of FIRE SLEEVE will shorten in length as it increases in diameter, so allow for some extra length to compensate for this.

For a loose fit, there is no hard and fast rule to relate the Nominal Inside Diameter of FIRE SLEEVE with the Nominal Outside Diameter of the hose being covered. However, it is important to take two factors into account: hose length and hose cover.

For hoses up to 5 metres (16 ft) long, use a Nominal Inside Diameter of FIRE SLEEVE 15% larger than the Nominal Outside Diameter of hose being covered. For hoses over 5 metres (16 ft) long, use a size 20% larger. Remember the FIRE SLEEVE must slide over the outside of the hose. The longer the hose, the tougher it is to install, especially if enough tolerance on a long hose has not been allowed.

As the FIRE SLEEVE must slide over the outside of the hose, the hose covering also requires special consideration. A hose with a rough rubber cover is more difficult to slide FIRE SLEEVE over than a hose with a smooth cover.

For hose covers that have a high co-efficient of friction, be sure to allow for greater tolerance between the Nominal Inside Diameter of FIRE SLEEVE and the Nominal Outside Diameter of the hose to be covered.

Sizes FS1072-08 to FS1072-104:
Standard coil length is 15,24 metres (50 ft);
or cut lengths. Lengths longer than 15,24 meters (50 ft) are also available, contact RYCO Customer Service.

Sizes FS1072-80 and FS1072-104:
Standard coil length is 5 metres (16.4 ft)

FS1072 FIRE SLEEVE can be slit longitudinally to form a flat FIRE TAPE which can be wound around larger diameter hoses and secured with stainless steel ties or FSTAPE-16.

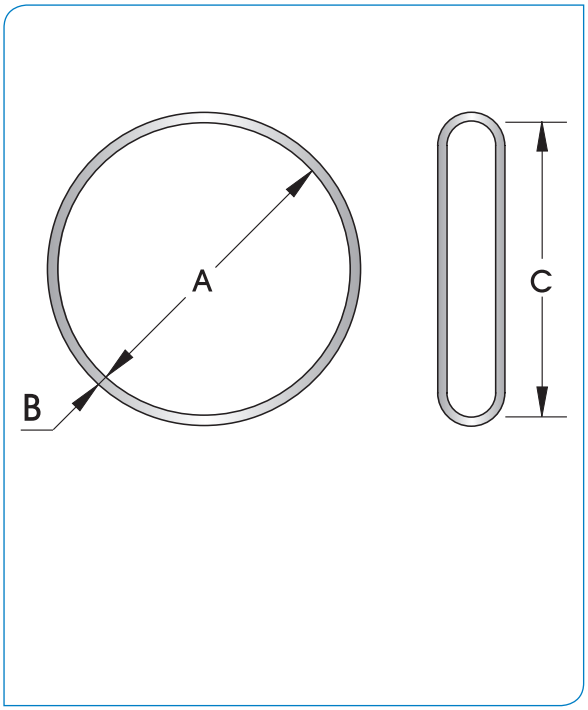
FSTAPE-16

FSTAPE-16 is an iron oxide, red silicone rubber tape. It is designed to be, not only self-bonding and self-curing, but to also bond and cure onto FS1072 FIRE SLEEVE. It can be used to join seperate sections of FIRE SLEEVE, as well as to repair any scuffed or nicked areas of FIRE SLEEVE. It can be used as an end sealant (instead of clamps) to prevent moisture and hydraulic oils wicking into the inner fibreglass braid.

FSTAPE-16 is supplied in a roll 25 mm WIDE x 11 metres LONG x 0,5 mm THICK (1 inch x 36 ft x 0.02 inch)

FS1072 FIRE SLEEVE SPECIFICATIONS

PART NO	NOMINAL ID		NOMINAL WALL THICKNESS		NOMINAL INSIDE FLAT DIMENSION		NOMINAL WEIGHT	
	A mm	A inch	B mm	B inch	C mm	C inch	kg/m	lb/ft
FS1072-08	12,7	0.50	4,3	0.17	20,0	0.79	0,19	0.13
FS1072-11	17,5	0.69	4,3	0.17	27,5	1.08	0,29	0.19
FS1072-14	22,2	0.87	4,4	0.17	34,9	1.37	0,28	0.19
FS1072-16	25,4	1.00	4,8	0.19	39,9	1.57	0,31	0.21
FS1072-18	28,6	1.13	4,7	0.19	46,6	1.84	0,37	0.25
FS1072-20	31,8	1.25	4,7	0.19	47,4	1.87	0,36	0.24
FS1072-22	34,9	1.38	4,8	0.19	54,8	2.17	0,43	0.29
FS1072-24	38,1	2.50	4,0	0.16	58,3	2.29	0,46	0.31
FS1072-30	47,6	1.87	4,0	0.16	74,8	2.93	0,54	0.36
FS1072-32	50,8	2.00	4,0	0.16	79,8	3.14	0,55	0.37
FS1072-40	63,5	2.50	4,1	0.16	94,2	3.71	0,84	0.56
FS1072-44	69,9	2.75	5,0	0.20	109,8	4.32	0,85	0.57
FS1072-64	102,0	4.02	5,0	0.20	160,2	6.32	1,07	0.72
FS1072-80	127,0	5.00	5,0	0.20	199,5	7.89	2,26	1.52
FS1072-104	165,0	6.50	5,0	0.20	259,2	10.21	2,86	1.92



HOSE NOMINAL OUTSIDE DIAMETER REFERENCE CHART

This chart may be used as a quick reference to assist in choosing correct size of Hose Protection. Dimensions are nominal only, and are in millimetres. Divide by 25.4 to convert to inches.

HOSE SIZE			HOSE SERIES																						
DN	INCH	DASH	T3000D/S	T3600C	T3600D/S	T4000D/S	T5000D/S	T6000D/S	H3000D/S	H4000D/S	H5000C	H5000D/S	H6000D/S	C6000D/S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1	EC2	ECP1	E1	E2	T1D/S	T1F	T2D/S
3	1/8	-02																								
5	3/16	-03																			10,3			11,7	11,7	
6	1/4	-04	11,8	11,8	11,8	11,8	13,2	13,2							12,2	13,4	11,6	12,7	12,2	13,4	11,8	13,0	14,6	13,3	13,3	14,9
8	5/16	-05	14,4	14,4	14,4	15,6	15,6	15,6							13,9	14,9	13,4	14,8	13,9	14,9	13,3	14,6	16,4	14,9	14,9	16,5
10	3/8	-06	15,6	15,6	15,6	16,6	17,1	17,6		19,3		19,3	19,3		15,6	17,3	15,0	16,4	15,6	17,3	14,9	16,7	18,5	17,3	17,3	18,9
12	1/2	-08	18,7	19,9	19,9	20,6	20,6			22,7		22,7	22,7	21,4	19,0	20,3	18,3	19,7	19,0	20,3	18,3	20,0	21,7	20,3	20,3	21,9
16	5/8	-10	23,4	23,4	23,4	23,4				24,9		26,2	26,2	28,5	20,2	23,6	21,5	22,8	20,2	23,6		23,4	24,9	23,6	23,6	25,1
19	3/4	-12	27,6	27,6	27,6	28,4				30,0	29,6	29,6	30,6	35,5	25,6	27,6	24,7	26,1	25,6	27,6		27,4	28,9	27,6	27,6	29,1
25	1	-16	34,8	35,	35,2					36,9	36,8	36,8	37,5		33,6	35,5	31,6	33,3	33,6	35,5		35,8	37,3	35,5	35,5	37,5
31	1.1/4	-20							45,7	44,0	45,0	45,0	46,4				38,4	39,8						43,2		47,6
38	1.1/2	-24							50,3	50,8		52,7	53,1											50,2		54,1
51	2	-32							63,3	66,4		67,5	71,5											63,6		66,8
63	2.1/2	-40																								80,1
76	3	-48																								91,3

HOSE PROTECTION – FS1072 FIRE SLEEVE

HOSE SIZE	

DN	INCH	DASH	T2C	TX2AD	H12D/S	R4SHD	R4SPD	TJ2D	RQP1	RQP2	RQP5	RQP6	D2B	T5	MS1000	CS1000	BT1	SW	JS4000/G	JS4000BX/GX	JS6000/G	JS6000BX/GX	SRF	SRX	RTH1
3	1/8	-02																							
5	3/16	-03																							
6	1/4	-04	15,0					14,9	13,4	15,0	13,2	12,3		13,2			13,3		11,5	12,6	12,4	13,5			9,4
8	5/16	-05	16,6					18,9	15,0	16,6	14,8	13,9		14,8			14,9		13,1	14,2	14,5	15,6			
10	3/8	-06	19,0		19,3		20,9		17,4	19,0	17,2	15,5		17,2			17,3	21,5	15,3	16,4	16,3	17,4			11,7
12	1/2	-08	22,2	22,0	22,7		24,3		20,5	22,0	19,4	19,0		19,4	18,5	18,5	20,3	24,6	18,3	19,4	19,3	20,4			15,4
16	5/8	-10	25,2	25,2	26,2		27,8		23,7	25,2	23,4	22,6		23,4	22,1	22,1	23,6								18,4
19	3/4	-12	29,1	29,1	30,0	31,8	31,8		27,6	29,1	27,4	25,8		27,4	25,8	25,8	27,6	31,9					31,5	29,6	22,1
25	1	-16	37,2	37,7	37,4	37,9	38,6		35,7	37,7	31,4			31,4	32,5	32,5	35,5	37,6					40,0	36,2	28,6
31	1.1/4	-20	47,4		45,7	44,4				48,0	38,1		40,4	38,1	39,5	39,5							46,5	44,0	
38	1.1/2	-24	53,8		53,0	52,4				54,4	44,5		48,0	44,5	46,0	46,0							53,1	49,4	
51	2	-32	66,7		66,0	66,8				67,3	56,3		62,0	56,3	59,1	59,1							65,5	63,8	
63	2.1/2	-40			82,6																			76,5	
76	3	-48																						89,9	

HOSE SIZE	HOSE SERIES

DN	INCH	DASH	PL1	PL1D	M1	MP1	M2	M2G	TP7, TP7N	TP7T, TP7TN	TP8, TP8N	TP8T, TP8TN	TP3000	TPGL
3	1/8	-02												8,3
5	3/16	-03							9,6					
6	1/4	-04	14,4	12,7	12,7	13,5	14,3	14,3	12,2	12,2	11,5	11,5	12,2	
8	5/16	-05	13,9	14,3	14,3				14,3	14,3				
10	3/8	-06	17,8	15,9	15,9	17,5	19,0	19,0	16,0	16,0	15,5	15,5	16,6	
12	1/2	-08	21,8	19,8		21,4	23,8	23,8	20,3	20,3	19,9	19,9	22,5	
16	5/8	-10	25,9	23,0		25,4								
19	3/4	-12	29,6	26,4		28,6	31,7	31,7	27,1					
25	1	-16				37,3			34,0					
31	1.1/4	-20				43,9								
38	1.1/2	-24												
51	2	-32												
63	2.1/2	-40												
76	3	-48												

RCS
CROCSLEEVE
FLAME RESISTANT
ANTI-STATIC

RECOMMENDED FOR:
Hose burst and pinhole protection. Protection of individual hoses from severe abrasion. Provides a cost effective method of bundling hoses together, while providing abrasion resistance to the bundle. When abrasion occurs, the thousands of tiny filaments in the sleeve bulk up, to continually renew the surface.

CONSTRUCTION:
Densely woven, polyamide tubular sleeve. Black or Red colour. CROCSLEEVE is not affected by exposure to air, water, hydraulic oil and many other fluids. The inside bore of the CROCSLEEVE is smooth, allowing hose to move inside the sleeve, and allowing easy installation.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:
Flame Resistant and Anti-Static - FRAS. Electrical conductivity is 3 to 5 MΩ/m when subjected to 500 Volts DC.

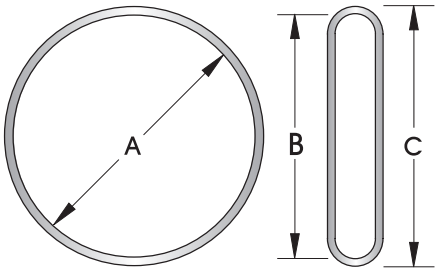
TEMPERATURE RANGE:
From - 50°C to + 121°C (- 58°F to + 250°F).

SIZE SELECTION:
Choose a size that is slightly larger than the hose or hoses to be sleeved - recommended size is 50% larger than nominal Hose OD (see chart on page 151). If CROCSLEEVE is to be installed onto fitted hose assemblies, allow for the maximum outside profile of the hose fittings.

ASSEMBLY INSTRUCTIONS:
1. Cut the CROCSLEEVE to length.
2. The loose fibres of the cut edges can be sealed with a heat gun or hot knife, to prevent fraying.
3. Install over hoses or hose assemblies.
4. Secure in place using adhesive-lined heat shrink tubing.

RCS CROCSLEEVE SPECIFICATIONS

CROCSLEEVE DIMENSIONS									
PART NO		NOMINAL ID		NOMINAL FLAT ID		NOMINAL FLAT OD		NOMINAL WEIGHT	
Black	RED	A mm	A inch	B mm	B inch	C mm	C inch	kg/m	lb/ft
RCSB-20	RCSR-20	20	0.79	31	1.22	34	1.34	0,039	0.026
RCSB-23	RCSR-23	23	0.91	36	1.42	39	1.54	0,044	0.030
RCSB-27	RCSR-27	27	1.06	42	1.65	45	1.77	0,052	0.035
RCSB-31	RCSR-31	31	1.22	49	1.93	52	2.05	0,060	0.040
RCSB-36	RCSR-36	36	1.42	54	2.13	57	2.24	0,065	0.044
RCSB-44	RCSR-44	44	1.73	69	2.72	72	2.83	0,082	0.055
RCSB-47	RCSR-47	47	1.85	74	2.91	77	3.03	0,086	0.058
RCSB-55	RCSR-55	55	2.17	86	3.39	89	3.50	0,102	0.068
RCSB-60	RCSR-60	60	2.36	94	3.70	97	3.82	0,111	0.074
RCSB-66	RCSR-66	66	2.60	104	4.09	107	4.21	0,122	0.082
RCSB-73	RCSR-73	73	2.87	115	4.53	118	4.65	0,135	0.091
RCSB-93	RCSR-93	93	3.66	146	5.75	149	5.87	0,170	0.114
RCSB-112	RCSR-112	112	4.41	176	6.93	179	7.05	0,206	0.138
RCSB-129	RCSR-129	129	5.08	202	7.95	205	8.07	0,360	0.241



NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

HOSE PROTECTION – RCS CROCSLEEVE

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

	T3000D/S	T3600D/S/C	T4000D/S	T5000D/S	T6000D/S	H3000D/S	H4000D/S	H5000D/S/C	H6000D/S	C6000D/S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1	EC2	ECP1	E1	E2
Part No.	**Dash Size**																		
RCSB-20	-04	-04	-04	-04	-04								-04	-04	-04	-04	-03, -04	-04	
RCSB-23	-05	-05	-05	-05	-05						-04, -05	-04, -05	-05	-05, -06	-05, -06	-05	-05, -06	-05	-04
RCSB-27	-06	-06	-06	-06	-06						-06	-06	-06	-08		-06	-07	-06	-05, -06
RCSB-31	-08	-08	-08	-08			-06	-06	-06	-08	-08, -10	-08	-10	-10	-08, -10	-08		-08	
RCSB-36	-10	-10	-10	-10	-08		-08	-08	-08		-12	-10	-12	-12		-10		-10	-08
RCSB-44	-12	-12	-12	-12			-10	-10	-10	-12, -16	-16	-12		-16	-12	-12		-12, -16	-10
RCSB-47							-12	-12	-12				-16	-20		-16			-12
RCSB-55	-16	-16	-16				-16	-16	-16			-16			-16				
RCSB-60													-20						-16
RCSB-66							-20	-20											
RCSB-73						-20			-20										
RCSB-93						-24	-24	-24	-24										
RCSB-112						-32	-32	-32	-32										
RCSB-129																			

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

	T1D/S	T1F	T2D/S	TX2AD	H12D/S	R4SHD	R4SPD	TJ2D	RQP1	RQP2	RQP5	RQP6	D2B	T5	MS1000	CS1000	BT1	SW	JS4000/G
Part No.																			
RCSB-20	-03,-04	-03, -04							-04	-04	-04	-04		-04			-04		-04
RCSB-23	-05	-05	-04					-04	-05	-05	-05	-05, -06		-05			-05		-05, -06
RCSB-27	-06	-06	-05, -06					-06	-06	-06	-06			-06	-08	-08	-06		-08
RCSB-31	-08	-08	-08		-06		-06		-08		-08	-08		-08		-10	-08	-06	
RCSB-36	-10	-10	-10	-08	-08		-08		-10	-08, -10	-10	-10, -12		-10	-10	-12	-10	-08	
RCSB-44	-12	-12	-12	-10	-10		-10		-12	-12	-12, -16			-12	-12		-12		
RCSB-47				-12	-12	-12	-12							-16	-16	-16	-16	-12	
RCSB-55	-16	-16	-16	-16		-16			-16	-16				-20				-12	
RCSB-60					-16		-16						-20		-20	-20		-16	
RCSB-66	-20	-20				-20								-24					
RCSB-73	-24	-24	-20		-20		-20			-20			-24		-24	-24			
RCSB-93	-32	-32	-24		-24	-24	-24			-24			-32	-32	-32	-32			
RCSB-112			-32		-32	-32	-32			-32									
RCSB-129			-40		-40														

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

	JS4000BX/GX	JS6000/G	JS6000BX/GX	SRF	SRX	RTH1	PL1	PL1D	M1	MP1	M2/G	TP7, TP7N	TP7T, TP7TN	TP8, TP8N	TP8T, TP8TN	TP3000	TPGL
Part No.																	
RCSB-20	-04	-04	-04				-04	-04	-04	-04		-03, -04	-04	-04	-04	-04	-02
RCSB-23	-05	-05	-05				-05, -06	-05, -06	-05, -06	-06	-04	-05, -06	-05, -06	-06	-06	-06	
RCSB-27	-06	-06	-06									-08					
RCSB-31	-08	-08	-08				-08	-08		-08	-06		08	-08	-08	-08	
RCSB-36							-10	-10		-10	-08	-12					
RCSB-44				-12	-12	-12	-12	-12		-12	-12						
RCSB-47												-16					
RCSB-55						-16				-16							
RCSB-60				-16	-16												
RCSB-66				-20	-20	-20				-20							
RCSB-73						-24											
RCSB-93				-24	-24	-32											
RCSB-112				-32	-32	-40											
RCSB-129						-48											

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE - SAFETY FIRST

DESIGN FEATURES	BENEFITS
GREATER STRENGTH	CROCSLEEVE is made from high density PA (polyamide) for greater strength
FLAME RESISTANT - ABRASION RESISTANT	CROCSLEEVE is Flame Resistant and Anti-Static - FRAS
BURST RESISTANT	CROCSLEEVE is very resistant to hose burst
PIN HOLE RESISTANT	CROCSLEEVE is very resistant to hose pin holes
LEAK RESISTANT	CROCSLEEVE will allow pressure build up of up to 7 bar (100 psi)
STABLE	CROCSLEEVE is stable and has great resistance to sun, atmospheric agents and ageing
NON-TOXIC	CROCSLEEVE is non toxic
TOUGH	CROCSLEEVE is super tough
COLOURS	CROCSLEEVE comes in BLACK (RCSB) and RED (RCSR)
EASY INSTALLATION	CROCSLEEVE has a smooth bore providing easy installation of the hose

CHEMICALLY COMPATIBLE	Acetone	Very Good	Ether	Very Good
	Alcohols	Very Good	Gasoline	Very Good
	Bacterium	Very Good	Ionic Metallic Solutions	Very Good
	Benzene	Very Good	Mineral Oil	Very Good
	Carbon Tetrachloride	Very Good	Moths	Very Good
	Chlorine Based Solvents	Very Good	Mould	Very Good
	Diluted Acids	Good	Oil	Very Good
	Diluted Bases	Very Good	Vegetable Oil	Very Good

HOSE PROTECTION – RAWHIDE NYLON HOSE SLEEVE

RH
RAWHIDE
NYLON HOSE SLEEVE

RECOMMENDED FOR:
Protection of individual hoses from severe abrasion. Provides a cost effective method of bundling hoses together, while providing abrasion resistance to the bundle. When abrasion occurs, the thousands of tiny filaments in the sleeve bulk up, to continually renew the surface.

CONSTRUCTION:
Densely woven, multi-filament nylon, tubular sleeve. Black colour. Nylon is not affected by exposure to air, water, hydraulic oil and many other fluids. The inside bore of the sleeve is smooth, allowing hose to move inside the sleeve, and allowing easy installation.

FLAME RESISTANCE:
Meets Flame Resistant Designation "U.S. MSHA" of the U.S. Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:
From - 50°C to + 121°C (- 58°F to + 250°F).

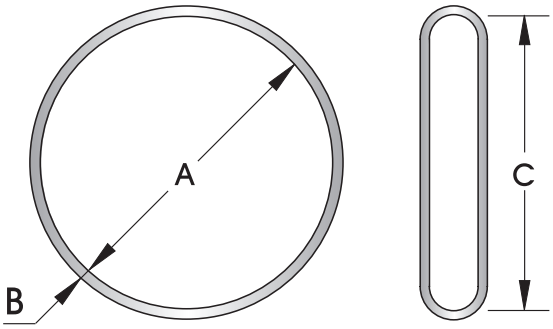
SIZE SELECTION:
Choose a size that is slightly larger than the hose or hoses to be sleeved (see chart on page 154).
If sleeve is to be installed onto fitted hose assemblies, allow for the maximum outside profile of the hose fittings.

ASSEMBLY INSTRUCTIONS:
1. Cut the Nylon Hose Sleeve to length.
2. The loose fibres of the cut edges can be sealed with a heat gun or hot knife, to prevent fraying.
3. Install over hoses or hose assemblies.
4. Secure in place using cable ties, band clamps or hose clamps.

STANDARD COIL LENGTHS:
91,4 metre (300 ft) long coils; or cut lengths.

RH RAWHIDE SPECIFICATIONS

RAWHIDE NYLON HOSE SLEEVE								
PART NO	NOMINAL ID		NOMINAL WALL THICKNESS		NOMINAL INSIDE FLAT DIMENSION		NOMINAL WEIGHT	
	A mm	A inch	B mm	B inch	C mm	C inch	kg/m	lb/ft
RH-23	22,9	0.90	2,3	0.09	29,8	1.41	0,06	0.03
RH-27	26,9	1.06	2,3	0.09	39,8	1.67	0,07	0.04
RH-31	31,0	1.22	2,3	0.09	49,9	1.92	0,08	0.05
RH-36	36,0	1.42	2,5	0.10	56,6	2.23	0,09	0.06
RH-46	46,0	1.81	2,5	0.10	72,1	2.84	0,12	0.08
RH-56	55,6	2.19	2,5	0.10	87,4	3.44	0,15	0.10
RH-61	60,5	2.38	2,5	0.10	95,0	3.74	0,16	0.11
RH-67	66,8	2.63	2,5	0.10	104,6	4.12	0,17	0.12
RH-73	73,2	2.88	2,5	0.10	115,1	4.53	0,19	0.13
RH-93	93,0	3.66	2,5	0.10	146,1	5.75	0,25	0.17



NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

RSG

POLYETHYLENE SPIRAL GUARD
RSG (BLACK), RSGY (YELLOW), RSGF (FRAS)

RECOMMENDED FOR:
Lightweight, cost-effective protection of hoses and cables from abrasion and impact. It can also be used to bundle hoses together in groups. RSGF meets Flame Resistance Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

CONSTRUCTION:
Polyethylene plastic spiral, with rounded edges to protect hose cover. RSG Black; RSGY Yellow; RSGF FRAS (Dark Grey). Polyethylene is not affected by exposure to air, water, hydraulic oil and many other fluids.

TEMPERATURE RANGE:
From -40°C to +120°C (-40°F to +248°F).

ASSEMBLY INSTRUCTIONS:
RYCO Spiral Guard can easily be applied after hose assembly because of its spiral form. Place one end of completed hose assembly in a vice. Wrap coil onto hose. It is recommended to choose RYCO Spiral Guard size so that it is a tight fit on the hose. This will keep the Spiral Guard in place on the hose. The Spiral Guard expands to fit the hose or hose bundle. Allow extra length of Spiral Guard to allow for this expansion.

SIZE SELECTION:
The tables below show RYCO Spiral Guard size selection for a tight fit on the hose. Due to the Spiral Guard expanding to fit the hose, extra length of Spiral Guard must be allowed. This extra length can be estimated as follows:
T26A Nominal OD = 18,9 mm (see chart on page 151)
RSG-20L Nominal ID = 15,0 mm (from chart below)
Estimated length of RSG-20L to cover 2,3 metres of T26A

$$= \frac{18,9}{15,0} \times 2,3 \text{ m} = 2,90 \text{ metres}$$

HOW TO ORDER:
Complete the Part Number: **RSG-16L**, **RSGY-75L**, **RSGF-50L** etc.

Sizes -16L to -90L: 20 m (65.6 ft) coils or cut to length.

Size -110L: 10 m (32.8 ft) coils or cut to length.

SPIRAL GUARD	HOSE SERIES

DASH SIZE	NOMINAL ID MM	NOMINAL ID INCH	NOMINAL OD MM	NOMINAL OD INCH	T3000D/S	T3600C	T3600D/S	T4000D/S	T5000D/S	T6000D/S	H3000D/S	H4000D/S	H5000C	H5000D/S	H6000D/S	C6000D/S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1/2	ECP1	E1
-12L	9,0	0.35	13,0	0.51	-4	-4	-4	-4	-4								-4		-4	-4	-4	-3, -4	
-16L	12,0	0.47	16,5	0.65	-5, -6	-5,-6	-5, -6	-5	-5	-4,-5							-5,-6	-4,-5	-5,-6	-5	-5,-6	-5	-4,-5
-20L	15,0	0.59	20,0	0.79	-8		-8	-6, -8	-6, -8	-6		-6		-6	-6		-8	-6	-8	-6	-8	-6	-6
-25L	19,0	0.75	24,5	0.96	-10	-8,-10	-10	-8-10		-8		-8		-8	-8	-8	-10	-8,-10	-10	-8,-10	-10	-7	-8, -10
-32L	23,0	0.91	30,0	1.18	-12	-12	-12	-12	-10,-12			-10,-12	-12	-10,-12	-10,-12	-12	-12	-12	-12	-12	-12		-12
-40L	30,5	1.20	39,0	1.54	-16	-16	-16	-16	-16			-16	-16	-16	-16	-16	-16	-16	-16	-16	-16		-16
-50L	38,0	1.50	46,5	1.83							-20	-20	-20	-20	-20					-20			
-63L	47,0	1.85	58,0	2.28							-24	-24		-24	-24								
-75L	61,0	2.40	73,0	2.87							-32	-32		-32	-32								
-90L	70,5	2.78	84,5	3.33																			
-110L	84,0	3.31	99,0	3.90																			

HOSE PROTECTION – RSG/RSGY/SGF SPIRAL

RSG

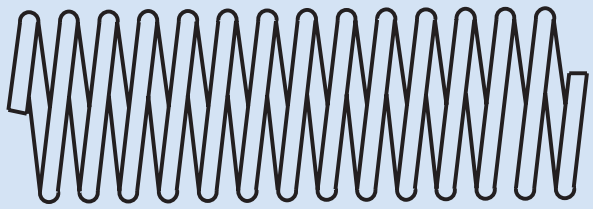
POLYETHYLENE SPIRAL GUARD
RSG (BLACK), RSGY (YELLOW),
RSGF (FRAS)

SPIRAL GUARD	HOSE SERIES (CONT)

DASH SIZE	NOMINAL ID		NOMINAL OD		E2	T1D/S	T1F	T2D/S	T2C	TXA2D	H12D/S	R4SPD	R4SPD	TJ2D	RQP1	RQP2	RQP5	RQP6	D2B	T5	MS1000	CS1000	BT1
	MM	INCH	MM	INCH																			
-12L	9,0	0.35	13,0	0.51		-3	-3								-4		-4	-4					
-16L	12,0	0.47	16,5	0.65	-4	-4, -5	-4,-5	-4	-4					-4	-5	-4	-5	-5, -6		-4,-5			-4,-5
-20L	15,0	0.59	20,0	0.79	-5,-6	-6	-6	-5,-6	-5,-6		-6	-6		-5	-6,-8	-5,-6	-6,-8	-8		-6,-8	-8	-8	-6,
-25L	19,0	0.75	24,5	0.96	-8	-8, -10	-8, -10	-8	-8	-8	-8	-8			-10	-8,-10	-10	-10		-10	-10	-10	-8,-10
-32L	23,0	0.91	30,0	1.18	-10,-12	-12	-12	-10,-12	-10,-12	-10,-12	-10	-10			-12	-12	-12	-12		-12	-12	-12	-12
-40L	30,5	1.20	39,0	1.54	-16	-16	-16	-16	-16	-16	-12,16	-12,16	-12,-16		-16	-16	-16,-20			-16,-20	-16	-16	-16
-50L	38,0	1.50	46,5	1.83		-20,			-20		-20	-20	-20			-20	-24		-20	-24	-20,-24	-20,-24	
-63L	47,0	1.85	58,0	2.28		-24		-20,-24	-20,-24		-24	-24	-24			-24	-32		-24	-32	-32	-32	
-75L	61,0	2.40	73,0	2.87		-32		-32	-32		-32	-32	-32			-32			-32				
-90L	70,5	2.78	84,5	3.33							-40												
-110L	84,0	3.31	99,0	3.90																			

DASH SIZE	NOMINAL ID		NOMINAL OD		SW	JS4000/G	JS4000/GX/BX	JS6000/G	JS6000/GX/BX	SRF	SRX	RTH1	PL1	PL1D	M1	MP1	M2/M2G	TP7/N,T/TN TP7N	TP8T, TP8TN	TP3000	TPGL
	MM	INCH	MM	INCH																	
-12L	9,0	0.35	13,0	0.51		-4	-4	-4				-4,-6		-4	-4			-4	-4	-4	-2
-16L	12,0	0.47	16,5	0.65		-5,-6	-5	-5	-4,-5			-8	-4	-5,-6	-5, -6		-4	-5, -6	-6	-6	
-20L	15,0	0.59	20,0	0.79		-8	-6,-8	-6,-8	-6			-10	-5	-8		-4,-6	-6	-8	-8		
-25L	19,0	0.75	24,5	0.96	-6				-8			-12	-6, -8	-10		-8,-10	-8			-8	
-32L	23,0	0.91	30,0	1.18	-8						-12	-16	-10	-12		-12	-12	-12			
-40L	30,5	1.20	39,0	1.54	-12,-16					-12	-16		-12			-16		-16			
-50L	38,0	1.50	46,5	1.83						-16	-20					-20					
-63L	47,0	1.85	58,0	2.28						-20,-24	-24										
-75L	61,0	2.40	73,0	2.87						-32	-32										
-90L	70,5	2.78	84,5	3.33							-40										
-110L	84,0	3.31	99,0	3.90							-48										

RWA
WIRE ARMOUR



RECOMMENDED FOR:
Protection for Hose Cover in arduous operating conditions; especially against abrasion and deep gouges, thus prolonging the life of the Hose.

CONSTRUCTION:
Spring Steel Wire; galvanised for corrosion protection.

TEMPERATURE RANGE:
Suitable for use with all RYCO Hoses at their published temperature ranges.

ASSEMBLY INSTRUCTIONS:
1. Slide RWA Wire Armour over hose after first end of hose assembly is completed.
2. Then complete second end of hose assembly.

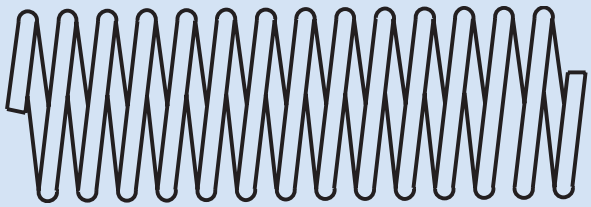
STANDARD LENGTH:
6 metres (19.7 ft) in all sizes.

WIRE ARMOUR	HOSE SERIES

PART NO	NOMINAL ID MM	NOMINAL ID INCH	T3000D/S	T3600C	T3600D/S	T4000D/S	T5000D/S	T6000D/S	H3000D/S	H4000D/S	H5000C	H5000D/S	H6000D/S	C6000D/S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1	EC2	ECP1	E1	E2
RWA-12	12	0.47		-4													-4						
RWA-16	16	0.63	-4,-5	-5,-6	-4,-5	-4	-4	-4							-4,-5	-4,-5	-5,-6	-4,-5	-4,-5	-4,-5		-4,-5	-4
RWA-20	20	0.78	-6		-6	-5,-6	-5,-6	-5,-6							-6,-8	-6	-8	-6	-6	-6		-6	-5,-6
RWA-21	21	0.83	-8	-8	-8					-6		-6	-6		-10	-8		-8	-8 -10	-8		-8	
RWA-23	23	0.91				-8	-8	8						-8			-10	-10					-8
RWA-27	27	1.06	-10	-10	-10	-10	-10			-8, -10		-8	-8		-12	-10	-12	-12	-12	-10		-10	-10
RWA-30	30	1.19	-12	-10	-12	-12	-12					-10	-10	-12		-12	-12			-12		-12	
RWA-31	31	1.22									-12	-12											-12
RWA-34	34	1.34								-12			-12				-16	-16					
RWA-39	39	1.52	-16	-16	-16	-16				-16	-16	-16	-16	-16	-16	-16	-20		-16	-16		-16	-16
RWA-41	41	1.61																-20					
RWA-49	49	1.93							-20	-20	-20	-20	-20										
RWA-56	56	2.2							-24	-24		-24	-24										
RWA-61	61	2.4																					
RWA-68	68	2.68							-32	-32													
RWA-75	75	2.95										-32	-32										

HOSE PROTECTION – RWA WIRE ARMOUR

RWA
WIRE ARMOUR



WIRE ARMOUR

PART NO	NOMINAL ID MM	NOMINAL ID INCH	T1D/S	T1F	T2D/S	T2C	TXA2D	H12D/S	R4SHD	R4SPD	TJ2D	RQP1	RQP2	RQP5	RQP6	D2B	T5	MS1000	CS1000	BT1	SW	JS4000/GX/BX
RWA-12	12	0.47																				
RWA-16	16	0.63	-4,-5		-4							-4,-5	-4	-4,-5	-4,-5		-4,-5			-4,-5		-4,-5
RWA-20	20	0.78	-6		-5	-4,-5					4	-6	-5	-6	-6		-6			-6		-6
RWA-21	21	0.83			-6	-6					-5		-6	-8	-8		-8	-8	-8			-8
RWA-23	23	0.91	-8		-8		-8	-6		-6		-8	-8							-8	-6	
RWA-27	27	1.06	-10			-8, -10		-8		-8		-10		-10	-10		-10	-10, -12	-10, -12	-10	-8	
RWA-30	30	1.19	-12		-10		-10	-10		-10		-12	-10	-12	-12		-12			-12		
RWA-31	31	1.22			-12	-12	-12						-12									
RWA-34	34	1.34						-12	-12	-12				-16			-16	-16	-16		-12	
RWA-39	39	1.52	-16			-16			-16											-16	-16	
RWA-41	41	1.61			-16		-16	-16		-16			-16	-20		-20	-20	-20	-20			
RWA-49	49	1.93	-20		-20	-20	-20	-20	-20				-20	-24			-24	-24	-24			
RWA-56	56	2.2	-24		-24	-24		-24	-24	-20			-24			-24						
RWA-61	61	2.4								-24				-32			-32	-32	-32			
RWA-68	68	2.68	-32		-32	-32		-32					-32			-32						
RWA-75	75	2.95							-32	-32												

PART NO	NOMINAL ID MM	NOMINAL ID INCH	JS4000/GX/BX	JS6000/G	JS6000/GX/BX	SRF	SRX	RTH1	PL1	PL1D	M1	MP1	M2	M2G	TP7, TP7N	TP7T, TP7TN	TP8, TP8N	TP8T, TP8TN	TP3000
RWA-12	12	0.47						-4							-3				
RWA-16	16	0.63	-4,-5	-4,-5	-4			-6,-8	-4, -5	-4,-5	-4,-5	-4	-4	-4	-4,-5	-4,-5	-4	-4	-4
RWA-20	20	0.78	-6	-6	-5,-6				-6, -8	-6	-6	-6			-6	-6	-6	-6	-6
RWA-21	21	0.83	-8	-8	-8			-10		-8			-6	-6			-8	-8	
RWA-23	23	0.91							-10			-8			-8	-8			
RWA-27	27	1.06						-12	-12	-10		-10	-8	-8					-8
RWA-30	30	1.19					-12			-12		-12			-12				
RWA-31	31	1.22						-16											
RWA-34	34	1.34												-12					
RWA-39	39	1.52				-12	-16								-16				
RWA-41	41	1.61				-16													
RWA-49	49	1.93				-20	-20												
RWA-56	56	2.2				-24	-24												
RWA-61	61	2.4																	
RWA-68	68	2.68				-32	-32												
RWA-75	75	2.95																	

RHYS
PACKAGING SLEEVE

RECOMMENDED FOR:
Packaging and protection of hose assemblies, in transit and in storage. RYCO RHYS Packaging Sleeve is installed over the finished hose assembly. The ends may be heat sealed, or folded over and stapled, or taped closed.

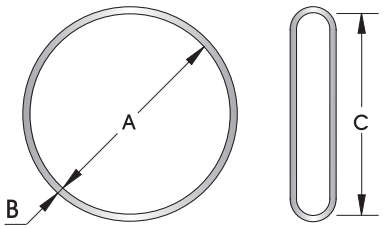
CONSTRUCTION:
Heavy gauge low density polyethylene clear plastic tubing; printed at intervals with "RYCO" logo, and incorporating an area for the hose assembly Part Number to be written.

ASSEMBLY INSTRUCTIONS:
1. Select correct size of RYCO RHYS Packaging Sleeve. It must be large enough to allow for the maximum outside profile of the hose couplings.
2. Two sizes are available:
3. RHYS-75 suits most hoses up to -16 (1") hose bore.
4. RHYS-125 suits most hoses from -16 to -32 (1" to 2") hose.
5. If required, write the hose assembly Part Number onto the Packaging Sleeve using a ball point pen.
6. Slide the hose assembly into the RHYS Packaging Sleeve.
7. Trim Packaging Sleeve to length, and seal ends.

STANDARD COIL LENGTHS:
350 metres (1,150 feet).

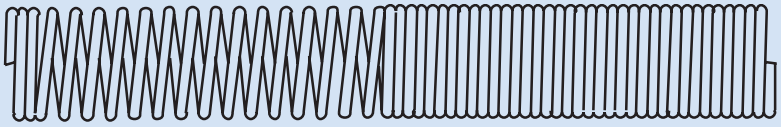
RHYS HOSE ASSEMBLY PACKAGING SLEEVE SPECIFICATIONS

PACKAGING SLEEVE								
PART NO	NOMINAL ID		NOMINAL WALL THICKNESS		NOMINAL INSIDE FLAT DIMENSION		NOMINAL WEIGHT	
	A mm	A inch	B mm	B inch	C mm	C inch	kg/m	lb/ft
RHYS-75	48	1.9	0,15	0.006	75	3.0	0,021	0.014
RHYS-125	79	3.1	0,15	0.006	125	5.0	0,035	0.023



HOSE PROTECTION – 750/760 SPRING GUARD

750/760
SPRING GUARD



RECOMMENDED FOR:
TJ24D and TJ26D Specialist Jacking Hose Assemblies, to control bend radius at end of hoses to avoid excessive strain on hose couplings. Can also be used with **E24, E26, RQP24, RQP26, T24C, T24D, T24S, T26C, T26D** and **T26S** Hoses. Can be used with **L000** Series Field Attachable and **T2000** Series BITELOK Couplings.

750 Suits some -4 (1/4") and -6 (3/8") hoses
760 Suits some -6 (3/8") hoses

CONSTRUCTION:
Spring Steel Wire; galvanised for corrosion protection.

ASSEMBLY INSTRUCTIONS:
Slide Spring Guards over the hose before assembling hose ends. After ends are assembled, twist and push Spring Guards onto the ferrules. The close pitched end of the Spring Guard goes over the ferrule, and the wide pitched end goes over the hose (as depicted in below image).

QRAM

QRAM LABEL

RECOMMENDED FOR:

Permanent identification of hose assemblies. QRAM Hose Tags enable hose assembly information to be attached to the hose assembly in a cost effective manner.

Information can be printed on the Hose Tag prior to being attached to the hose. When the Hose Tag is wrapped on the hose, a clear panel at the end of the tag wraps over to protect the written or printed information.

Hose Tag remains in position on the hose due to the adhesive backing, and the Hose Tag bends with the hose, ensuring that flexibility is not affected.

The slim profile of the attached Hose Tag reduces the risk of accidental removal. Hose Tag does not damage or cut the cover of the hose.

CONSTRUCTION:

Heat, oil, ozone, sunlight, and weather resistant high performance plastic.

Adhesive-backed for permanent attachment to the hose assembly. Area to write or print information, with a clear panel that wraps over to protect the hose assembly identification information.

TEMPERATURE RANGE:

Suitable for use with all RYCO Hoses at their published temperature ranges.

ASSEMBLY INSTRUCTIONS:

1. Two sizes are available:
2. QRAM-S suits hose sizes -04 to -20 (1/4" to 1 1/4").
3. QRAM-L suits hose sizes -12 to -32 (3/4" to 2").
4. Remove the release paper from the back of the Hose Tag to expose the adhesive.
5. While ensuring that the Hose Tag is parallel to the axis of the hose, wrap the Hose Tag tightly around the hose, then continue to wrap the clear plastic panel over the Hose Tag.
6. Press firmly to ensure that the adhesive bonds.

QRAM HOSE TAGS SPECIFICATIONS

PART NO	SUITS HOSE SIZE ID RANGE			SIZE
	DN	INCH	DASH	
QRAM-S (Small)	6 to 31	1/4 to 1.1/4"	-04 to -20	50mm x 174.5mm
QRAM-L (Large)	12 to 51	3/4 to 2"	-12 to -32	50mm x 279.5mm

Contact RYCO for further information.

HOSE TRACKING – RHYT HOSE TAG

RHYT/ RHWT

HOSE TAG

RECOMMENDED FOR:

Permanent identification of hose assemblies. RYCO Hose Tags enable hose assembly information to be attached to the hose assembly in a cost effective manner.

Two sizes of Hose Tags allow all common hose sizes to be tagged.

Information can be written or printed on the Hose Tag prior to being attached to the hose. When the Hose Tag is wrapped on the hose, a clear panel at the end of the tag wraps over to protect the written or printed information.

Hose Tag remains in position on the hose due to the adhesive backing, and the Hose Tag bends with the hose, ensuring that flexibility is not affected.

The slim profile of the attached Hose Tag reduces the risk of accidental removal. Hose Tag does not damage or cut the cover of the hose.

CONSTRUCTION:

Heat, oil, ozone, sunlight, and weather resistant high performance plastic.

Adhesive-backed for permanent attachment to the hose assembly. Area to write or print information, with a clear panel that wraps over to protect the hose assembly identification information.

TEMPERATURE RANGE:

Suitable for use with all RYCO Hoses at their published temperature ranges.

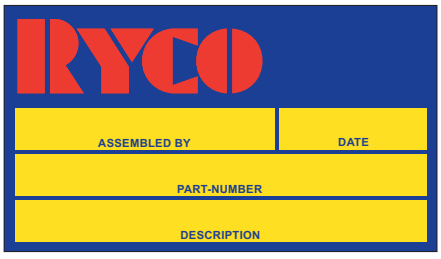
ASSEMBLY INSTRUCTIONS:

1. Select correct size of RYCO RHYT Hose Tag for the hose assembly that is to be identified.
2. Two sizes are available:
3. **RHYT-10** and **RHWT-10** suits hose sizes -04 to -10 (1/4" to 5/8").
4. **RHYT-32** and **RHWT-32** suits hose sizes -12 to -32 (3/4" to 2").
5. Using a ball point pen or label printer, apply the required information onto the Hose Tag.
6. Remove the release paper from the back of the Hose Tag to expose the adhesive.
7. While ensuring that the Hose Tag is parallel to the axis of the hose, wrap the Hose Tag tightly around the hose, then continue to wrap the clear plastic panel over the Hose Tag.
8. Press firmly to ensure that the adhesive bonds.

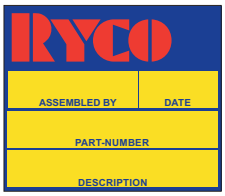
RHYT HOSE TAGS SPECIFICATIONS

RHYT/RHWT HOSE TAGS			
	SUITS HOSE SIZE ID RANGE		
PART NO	DN	INCH	DASH
RHYT-10	6 to 16	1/4 to 5/8	-04 to -10
RHYT-32	12 to 51	3/4 to 2	-12 to -32
RHWT-10	6 to 16	1/4 to 5/8	-04 to -10
RHWT-32	12 to 51	3/4 to 2	-12 to -32

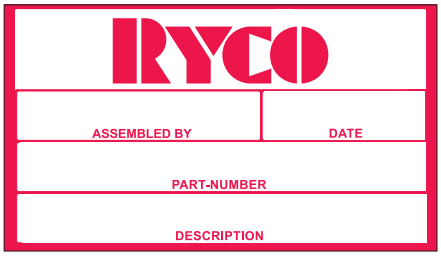
Contact RYCO for further information.



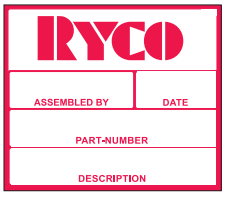
RHYT-32



RHYT-10



RHWT-32



RHWT-10

INTRODUCTION
HOSE
COUPLINGS
ADAPTORS
TECHNICAL

SEE PAGES 465 AND 466 FOR "HOW TO ORDER HOSE ASSEMBLIES".

Coil length of RYCO Hydraulic Hose varies according to Hose Series and Size.

Wire braid, textile braid and spiral wire reinforced hydraulic hoses are in most cases manufactured in long lengths on flexible mandrels, which results in coils of hose of different lengths. These hoses are produced and supplied in random lengths.

SRF and SRX Suction Hoses are manufactured on rigid mandrels of a specified length.
SRF and SRX Hose 20 metres (65.6 ft)

If hose is part of a general stock order, every effort will be made to supply length closest to length ordered, but length supplied may be shorter or longer than length ordered. If ordering "a coil" of hose, please specify the length required. If a specific cut length is required, this must be specified when ordering, e.g. 19,5 metres exact length and may be subject to surcharge.

Shown in the table below is the availability of RYCO Hydraulic Hose in Coils (C), and on Reels (R) or in Bulk Cartons (B). Details of average quantities packed on reels (or in cartons) and their dimensions are available from RYCO on request.

HOSE SERIES

HOSE SIZE		T300D/S	T360OC	T400D/S	T500D/S	T600D/S	H3000D/S	H4000D/S	H5000C	H5000D/S	H6000D/S	C6000D	C6000S	DF1D	DF2D	DK1D/E/S	DK2D/E/S	EC1/2	ECP1	E1	E2	T1D/S	T1F	T2D/S	T2C	TXA2D	H12D/S	R4SPD	R4SHD	TJ2D	RQP1	RQP2	RQP5	RQP6
DASH	INCH																																	
-03	3/16"																					R	R,C											
-04	1/4"	R,C	R,C	R,C	R,C	R,C								R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C					R,C	R,C	R,C	R,C	R,C
-05	5/16"	R,C	R,C	R,C	R,C	R,C								R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C					R,C	R,C	R,C	R,C	R,C
-06	3/8"	R,C	R,C	R,C	R,C	R,C		R,C		R,C	R,C			R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C		R,C	R,C	R,C	R,C
-08	1/2"	R,C	R,C	R,C	R,C			R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C
-10	5/8"	R,C	R,C	R,C				R,C,B		R,C,B	R,C			R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C
-12	3/4"	R,C	R,C	R,C				R,C,B	R,C	R,C,B	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C
-16	1"	R,C	R,C	R,C				R,C,B	R,C	R,C,B	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C		R,C	R,C	R,C	
-20	1.1/4"						B	B	B	B	B					B	B	B				B		B	B		B		B			B	B	
-24	1.1/2"						B	B		B	B											B		B	B		B		B			B	B	
-32	2"						B	B		B	B											B		B	B		B		B			B	B	
-40	2.1/2"																							B			B							
-48	3"																							B										

HOSE SIZE		D2B	T5	MS1000	CS1000	BT1	SW	JS400D/G/GX/BX	JS600D/G/GX/BX	SRF	SRX	RTH1	PL1/PL1D	M1	MP1	M2	M2G	TP7	TP7N	TP7T/TN	TP8	TP8N	TP8T	TP8TN	TP3000
DASH	INCH																								
-03	3/16"												R,C					R,B							
-04	1/4"		R,C			R,C			R,C			R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C
-05	5/16"		R,C			R,C		R,C	R,C			R,C	R,C	R,C		R,C		R,C		R,C						
-06	3/8"		R,C			R,C	R,C	R,C,B	R,C			R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C
-08	1/2"		R,C	R,C	R,C	R,C	R,C	R,C	R,C			R,C	R,C		R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C	R,C
-10	5/8"		R,C	R,C	R,C	R,C		R,C				R,C	R,C		R,C											
-12	3/4"		R,C	R,C	R,C	R,C	R,C	R,C				R,C	R,C		R,C	R,C	R,C	R,C	R,C							
-16	1"		R,C	R,C	R,C	R,C	R,C	R,C				R,C	R,C		R,C	R,C		R,C	R,C							
-20	1.1/4"	B	B	B	B										B											
-24	1.1/2"	B	B	B	B																					
-32	2"	B	B	B	B																					
-40	2.1/2"									C																
-48	3"																									