CATALOG
GENERAL PRODUCT
2024

HOSE AND FITTINGS

GROUND ENGAGING TOOLS

UNDERCARRIAGE

FILTER ELEMENT

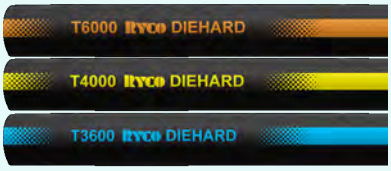
BATTERY

PERSONAL PROTECTIVE EQUIPMENT

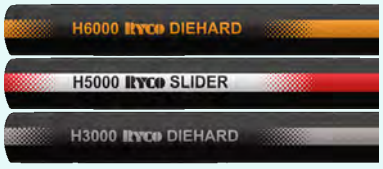
BEARING SKF

HOSES & FITTING

The RYCO range consists of our premium ISOBARIC Braid, ISOBARIC Spiral Hoses, Traditional Braid, Spiral Hoses, Speciality and High Temperature, Water Blast and Pressure Washer, Suction and Return, Textile Braid, Thermoplastic, PTFE, as well as greasing and lubrication hoses.



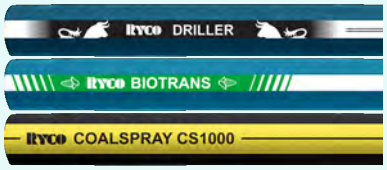
ISOBARIC Braid



ISOBARIC Spiral

Braid

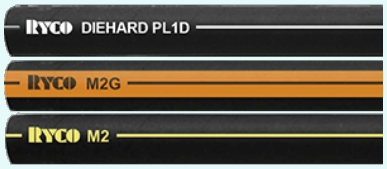
Spiral



Speciality & High Temperature

Pressure Washer

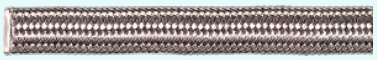
High Pressure Waterblast



Textile Braid

Thermoplastic

Suction & Return


Teflon®

Greasing & Lubrication


Hydraulic Hose Protection


Concrete Pumping Hose


Expansion Joint


Expansion Joint


Expansion Joint

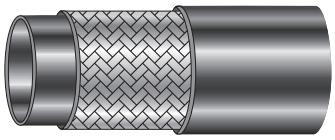

Expansion Joint


Expansion Joint

AVENGER T1A

TIGHTER BEND RADIUS UP TO 1"

1 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R1AT, AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN.
Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 21).

Recommended For:
High pressure hydraulic oil lines.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
One braid of high tensile steel wire.

Cover:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T200 & T700 Series BITELOK Crimp Couplings and K Series Field Attachable Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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.

Couplings:

BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -3 to -20) pages 102 to 123.
T700 Series (sizes -6 to -32) pages 134 to 152.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE
K Series (sizes -4 to -16) pages 202 to 219.
Assembly Instructions page 402.

FIELD ATTACHABLE SKIVE
A Series* (sizes -20 to 32) pages 202 to 219.
Assembly Instructions page 403.

T1A Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
T13A	5	3/16	-03	250	3600	1000	14500
T14A	6	1/4	-04	225	3250	900	13000
T15A	8	5/16	-05	215	3100	860	12400
T16A	10	3/8	-06	180	2600	720	10400
T18A	12	1/2	-08	160	2300	640	9200
T110A	16	5/8	-10	130	1900	520	7600
T112A	19	3/4	-12	105	1500	420	6000
T116A	25	1	-16	90	1300	360	5200
T120A	31	1.1/4	-20	65	945	260	3780
T124A	38	1.1/2	-24	50	725	200	2900
T132A	51	2	-32	40	580	160	2320

T1A Hose Dimensions

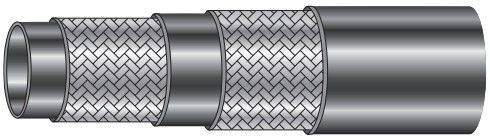
Matched Couplings

PART NO	MINIMUM BEND RADIUS**		AVERAGE WEIGHT		NOMINAL HOSE OD		A SERIES* SKIVE LENGTH	FIELD ATTACHABLE K (& A) SERIES		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	mm	INSERT	FERRULE	NON-SKIVE	
T13A	35	1.4	0,21	0.14	11,8	0.46				T200	
T14A	38	1.5	0,23	0.15	13,4	0.53		600 SERIES	K00-04	T200	
T15A	50	2.0	0,27	0.18	15,0	0.59				T200	
T16A	50	2.0	0,35	0.24	17,4	0.69		600 SERIES	K00-06	T200	T700
T18A	75	3.0	0,43	0.29	20,5	0.81		600 SERIES	K00-08	T200	T700
T110A	89	3.5	0,51	0.34	23,7	0.93		600 SERIES	K00-10	T200	T700
T112A	109	4.3	0,65	0.44	27,6	1.09		600 SERIES	K00-12	T200	T700
T116A	140	5.5	0,95	0.64	35,7	1.41		600 SERIES	K00-16	T200	T700
T120A	419	16.5	1,30	0.87	43,6	1.72	45	600 SERIES	*A00-20	T200	T700
T124A	500	20.0	1,59	1.07	50,5	1.99	49	600 SERIES	*A00-24		T700
T132A	600	24.0	2,12	1.42	64,1	2.52	66	600 SERIES	*A00-32		T700

**** Tighter Minimum Bend Radius up to 1" does not apply when used with T700 Series Couplings – refer to standard SAE Bend Radius with T700 Series.**
***When using A Series Field Attachable Couplings on T1A Series Hose, cover of hose must be skived at ends.**
Contact RYCO Hydraulics for Crimp Diameter and Mark Length for BITELOK Couplings.

DINFLEX DF2A

2 WIRE BRAID COMPACT HOSE



Meets or exceeds the performance requirements of SAE 100R2AT, SAE 100R16, AS 3791 100R2AT, EN 857 Type 2SC, ISO 1436. Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 22).

Recommended For:
High pressure hydraulic oil lines. DINFLEX Hose has the compact outside diameter of one wire braid hose, but exceeds the performance requirements of SAE 100R2 two wire braid hose.
Additionally it has a smaller bend radius and higher flexibility than standard two wire braid hoses.
Not suitable for use with Field Attachable Couplings

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Two braids of high tensile steel wire.

Cover:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T200 & T700 Series BITELOK Crimp Couplings.

Not suitable for use with Field Attachable Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -16) pages 102 to 123.
T700 Series (sizes -6 and -12) pages 134 to 152.
Assembly Instructions page 404.

Not suitable for use with Field Attachable Couplings.

DF2A Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
DF24A	6	1/4	-04	420	6000	1680	24000
DF26A	10	3/8	-06	350	5100	1400	20400
DF28A	12	1/2	-08	295	4250	1180	17000
DF210A	16	5/8	-10	250	3600	1000	14500
DF212A	19	3/4	-12	215	3100	860	12400
DF216A	25	1	-16	167	2400	670	9700

DF2A Hose Dimensions

Matched Couplings

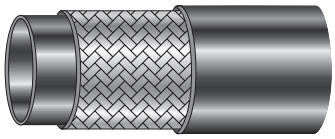
PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE	
DF24A	50	2.0	0,27	0.18	13,6	0.54	T200 SERIES	
DF26A	63	2.5	0,41	0.28	17,6	0.69	T200 SERIES	T700 SERIES
DF28A	88	3.5	0,51	0.34	20,5	0.81	T200 SERIES	
DF210A	100	4.0	0,63	0.42	23,7	0.93	T200 SERIES	
DF212A	120	4.8	0,80	0.54	27,7	1.09	T200 SERIES	T700 SERIES
DF216A	152	6.0	1,15	0.77	35,8	1.41	T200 SERIES	

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

DIEHARD T1D

TIGHTER BEND RADIUS UP TO 1"

EXTRA ABRASION RESISTANT FRAS 1 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R1AT, AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN.
Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 21).

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.
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.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
One braid of high tensile steel wire.

Cover:
Black, extra abrasion resistant and oil resistant rubber.
"FRAS" Flame Resistant and Anti-Static.
The weight loss of the cover under ISO 6945 method of test for abrasion resistance is less than 10% (less than 0,05 g) of that allowed by DIN 20022-1SN and EN 853 Type 1SN.
Highly visible layline branding for easy and permanent identification.
No skiving required with T200 & T700 Series BITELOK Crimp Couplings and K Series Field Attachable Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -20) pages 102 to 123.
T700 Series (sizes -6 to -32) pages 134 to 152.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE
K Series (sizes -4 to -16) pages 202 to 219.
Assembly Instructions page 402.

FIELD ATTACHABLE SKIVE
A Series* (sizes -20 to -32) pages 202 to 219.
Assembly Instructions page 403.

T1D Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
T14D	6	1/4	-04	225	3250	900	13000
T15D	8	5/16	-05	215	3100	860	12400
T16D	10	3/8	-06	180	2600	720	10400
T18D	12	1/2	-08	160	2300	640	9200
T110D	16	5/8	-10	130	1900	5200	7600
T112D	19	3/4	-12	105	1500	420	6000
T116D	25	1	-16	90	1300	360	5200
T120D	31	1.1/4	-20	65	945	260	3780
T124D	38	1.1/2	-24	50	725	200	2900
T132D	51	2	-32	40	580	160	2320

T1D Hose Dimensions

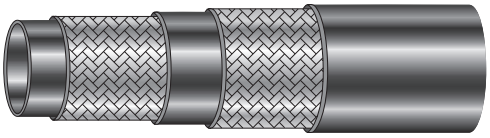
Matched Couplings

PART NO	MINIMUM BEND RADIUS**		AVERAGE WEIGHT		NOMINAL HOSE OD		A SERIES* SKIVE LENGTH	FIELD ATTACHABLE K (& A) SERIES		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	mm	INSERT	FERRULE	NON-SKIVE	
T14D	38	1.5	0,24	0.16	13,4	0.53		600 SERIES	K00-04	T200	
T15D	50	2.0	0,28	0.19	15,0	0.59				T200	
T16D	50	2.0	0,36	0.24	17,4	0.69		600 SERIES	K00-06	T200	T700
T18D	75	3.0	0,45	0.30	20,5	0.81		600 SERIES	K00-08	T200	T700
T110D	89	3.5	0,52	0.35	23,7	0.93		600 SERIES	K00-10	T200	T700
T112D	109	4.3	0,65	0.44	27,6	1.09		600 SERIES	K00-12	T200	T700
T116D	140	5.5	0,96	0.65	35,7	1.41		600 SERIES	K00-16	T200	T700
T120D	419	16.5	1,32	0.89	43,6	1.72	45	600 SERIES	*A00-20	T200	T700
T124D	500	20.0	1,60	1.08	50,5	1.99	49	600 SERIES	*A00-24		T700
T132D	600	24.0	2,20	1.48	64,1	2.52	66	600 SERIES	*A00-32		T700

**** Tighter Minimum Bend Radius up to 1" does not apply when used with T700 Series Couplings – refer to standard SAE Bend Radius with T700 Series.**
***When using A Series Field Attachable Couplings on T1D Series Hose, cover of hose must be skived at ends.**
Contact RYCO Hydraulics for Crimp Diameter & Mark Length for BITELOK Couplings.

SLIDER T2S

EXTREMELY ABRASION RESISTANT 2 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R2AT, AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Type 2AT. Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 21).

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. The extremely high abrasion resistant properties of the polyethylene sheathed 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.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Two braids of high tensile steel wire.

Cover:
Black, abrasion resistant and oil resistant rubber sheathed with a layer of extremely abrasion resistant polyethylene. The weight loss of the cover under ISO 6945 method of test for abrasion resistance is less than 0.2% (less than 0,001 g) of that allowed by DIN 20022-2SN and EN 853 Type 2SN. Highly visible layline branding for easy and permanent identification.
No skiving required with T200 & T700 Series BITELOK Crimp Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -20) pages 102 to 123.
T700 Series (sizes -6 to -32) pages 134 to 152.
Assembly Instructions page 404.

T2S Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DIN	inch	Dash	bar	psi	bar	psi
T24S	6	1/4	**-04**	420	6000	1680	24000
T26S	10	3/8	**-06**	350	5100	1400	20400
T28S	12	1/2	**-08**	350	5100	1400	20400
T210S	16	5/8	**-10**	250	3600	1000	14500
T212S	19	3/4	**-12**	215	3100	860	12400
T216S	25	1	**-16**	167	2400	670	9600
T220S	31	1.1/4	**-20**	125	1800	500	7200
T224S	38	1.1/2	**-24**	90	1300	360	5200
T232S	51	2	**-32**	80	1150	320	4600

T2S Hose Dimensions

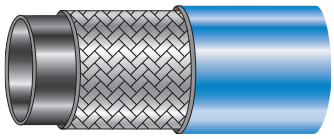
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE	
T24S	100	4.0	0,39	0.26	15,0	0.59	T200	
T26S	127	5.0	0,56	0.38	19,0	0.75	T200	T700
T28S	178	7.0	0,66	0.44	22,0	0.87	T200	T700
T210S	200	8.0	0,80	0.54	25,2	0.99	T200	T700
T212S	240	9.5	0,96	0.65	29,1	1.15	T200	T700
T216S	300	12.0	1,37	0.92	37,7	1.48	T200	T700
T220S	419	16.5	2,03	1.36	48,0	1.89	T200	T700
T224S	500	20.0	2,75	1.85	54,4	2.14		T700
T232S	600	24.0	3,48	2.35	67,3	2.65		T700

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

SURVIVOR RQP1

HIGH TEMPERATURE, MULTI FLUID 1 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R1AT, AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN. Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 22).

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.

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

Reinforcement:
One braid of high tensile steel wire.

Cover:
Blue, oil resistant and abrasion resistant synthetic rubber. No skiving required with T200 & T700 Series BITELOK Crimp Couplings and K Series Field Attachable Couplings*.

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 29.

**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 (minimum burst to maximum working pressure).

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -16) pages 102 to 123.
T700 Series (sizes -6 to -16) pages 134 to 152.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE*
K Series (sizes -4 to -16) pages 202 to 219
Assembly Instructions page 402.

RQP1 Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE*		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
RQP14	6	1/4	-04	225	3250	900	13000
RQP15	8	5/16	-05	215	3120	860	12480
RQP16	10	3/8	-06	180	2600	720	10400
RQP18	12	1/2	-08	160	2300	640	9200
RQP110	16	5/8	-10	130	1900	520	7600
RQP112	19	3/4	-12	120	1740	480	6960
RQP116	25	1	-16	90	1300	360	5200

RQP1 Hose Dimensions

Matched Couplings

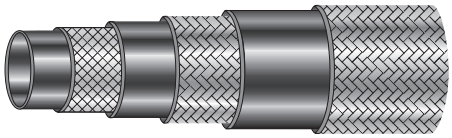
PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE K SERIES*		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	NON-SKIVE	
RQP14	100	4.0	0,24	0.16	13,4	0.53	600 SERIES	K00-04	T200	
RQP15	114	4.5	0,27	0.18	15,0	0.59			T200	
RQP16	127	5.0	0,34	0.23	17,4	0.69	600 SERIES	K00-06	T200	T700
RQP18	178	7.0	0,44	0.30	20,5	0.81	600 SERIES	K00-08	T200	T700
RQP110	200	8.0	0,51	0.34	23,7	0.93	600 SERIES	K00-10	T200	T700
RQP112	240	9.5	0,64	0.43	27,6	1.09	600 SERIES	K00-12	T200	T700
RQP116	300	12.0	0,98	0.66	35,7	1.41	600 SERIES	K00-16	T200	T700

***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 Hydraulics for more information.**

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

TRUCKER T5

POLYESTER BRAID COVER HOSE



Meets or exceeds the performance requirements of SAE 100R5, SAE J1402 Type AII (up to -12 size), AS 3791 100R5. Third Party approvals: USCG - Hydraulic Systems, DoT (see page 23).

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 189 for more information.

Tube:

Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:

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

Cover:

Black polyester braid. Skiving of cover is not required.

Temperature Range:

From -40°C to +100°C (-40°F to +212°F).
For water/oil emulsions, diesel fuels and lubricating oils, and air see page 29.

Working Pressure:

SAE 100R5 maximum working pressures are based on 4:1 safety factor (SAE 100R5 minimum burst to SAE 100R5 maximum working pressure).

Couplings:

FIELD ATTACHABLE NON-SKIVE
V Series (sizes -4 to -32) pages 188 to 201.
Assembly Instructions page 402.

BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (Sizes -4 to -12) pages 124 to 133.
Assembly Instructions page 404.

T5 Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ACTUAL ID		NOMINAL	SAE 100 R5 MAXIMUM WORKING PRESSURE*		VACUUM RATING		SAE 100R5 MINIMUM BURST PRESSURE*	
	DN	inch	Dash	bar	psi	mmHg	inHg	bar	psi
T54	5	3/16 0.19	-04	210	3050	710	28	840	12200
T55	6	1/4 0.25	-05	210	3050	710	28	840	12200
T56	8	5/16 0.31	-06	155	2250	710	28	620	9000
T58	10	13/32 0.41	-08	138	2000	710	28	552	8000
T510	12	1/2 0.50	-10	121	1750	710	28	484	7000
T512	16	5/8 0.63	-12	103	1500	710	28	414	6000
T516	22	7/8 0.88	-16	55	800	510	20	221	3200
T520	28	1.1/8 1.12	-20	43	625	510	20	172	2500
T524	35	1.3/8 1.38	-24	35	500	380	15	140	2000
T532	46	1.13/16 1.81	-32	24	350	280	11	98	1400

***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.

T5 Dimensions

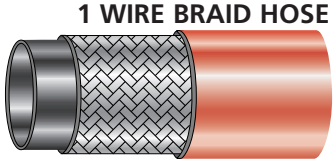
Matched Couplings

PART NO	SAE 100R5 MINIMUM BEND RADIUS*		SAE J1402 MINIMUM BEND RADIUS*		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE V SERIES			BITELOK ONE-PIECE CRIMP
	mm	inch	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	COUPLING	NON-SKIVE
T54	75	3.0	51	2.0	0,23	0.15	13,2	0.52	6xx-03	V00-04	Vxx-03	T400-03
T55	85	3.3	64	2.5	0,26	0.17	14,8	0.58	6xx-04	V00-05	Vxx-04	T400-04
T56	100	4.0	76	3.0	0,30	0.20	17,2	0.68	6xx-05	V00-06	Vxx-05	T400-05
T58	117	4.6	89	3.5	0,36	0.24	19,4	0.76	6xx-06	V00-08	Vxx-06	T400-06
T510	140	5.5	102	4.0	0,53	0.36	23,4	0.92	6xx-08	V00-10	Vxx-08	T400-08
T512	165	6.5	114	4.5	0,65	0.44	27,4	1.08	6xx-10	V00-12	Vxx-10	T400-10
T516	187	7.4			0,63	0.42	31,4	1.24	6xx-14	V00-16	Vxx-14	
T520	229	9.0			0,90	0.60	38,1	1.50	6xx-18	V00-20	Vxx-18	
T524	267	10.5			1,00	0.67	44,5	1.75	6xx-22	V00-24	Vxx-22	
T532	337	13.3			1,48	0.99	56,3	2.22	6xx-29	V00-32	Vxx-29	

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

FIRE SUPPRESSION T1F

1 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R1AT, AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN.
Third Party approvals: MED (see page 21).

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.

Tube:
Black, synthetic rubber (Nitrile). 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 T200 & T700 Series BITELOK Crimp Couplings and K 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 (minimum burst to maximum working pressure).

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -3 to -12) pages 102 to 123.
T700 Series (sizes -6 to -12) pages 134 to 152.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE
K Series (sizes -4 to -12) pages 202 to 219.
Assembly Instructions page 402.

T1F Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
T13F	5	3/16	**-03**	250	3600	1000	14500
T14F	6	1/4	**-04**	225	3250	900	13000
T16F	10	3/8	**-06**	180	2600	720	10400
T18F	12	1/2	**-08**	160	2300	640	9200
T112F	19	3/4	**-12**	105	1500	420	6000

T1F Hose Dimensions

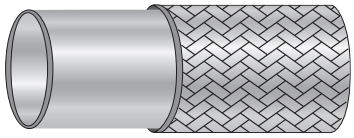
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE K SERIES		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	NON-SKIVE	
T13F	89	3.5	0,21	0.14	11,8	0.46			T200	
T14F	100	4.0	0,23	0.15	13,4	0.53	600 SERIES	K00-04	T200	
T16F	127	5.0	0,35	0.24	17,4	0.69	600 SERIES	K00-06	T200	T700
T18F	178	7.0	0,43	0.29	20,5	0.81	600 SERIES	K00-08	T200	T700
T112F	240	9.5	0,65	0.44	27,6	1.09	600 SERIES	K00-12	T200	T700

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

TEFLON* RTH1

STAINLESS STEEL BRAID TEFLON* HOSE



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.
Third Party approvals: MED, USCG (see page 23).

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.

Tube:

TEFLON* (PTFE).

Reinforcement & Cover:

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).

Working Pressure:

SAE 100R14 maximum working pressures are for hydraulic systems with impulsing pressures, and hose that complies with the SAE Impulse Test requirements at these pressures. Suitable for use up to 204°C (399°F) at these pressures.

Maximum working pressures are based on 4:1 minimum burst to working pressure safety factor, and are suitable for systems where impulsing pressures are not encountered.

Maximum working pressure is dependant on working temperature. Refer to chart below for working pressure correction factors.

Working Temperature	Percentage of Working Pressure that may be safely used
-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

Couplings:

TWO-PIECE CRIMP
1100 Series (sizes -4 to -16) pages 172 to 174.
Assembly instructions page 406.

RTH1 Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MAXIMUM SAE 100R14 WORKING PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi	bar	psi
RTH14	6	1/4	**-04**	170	2450	680	9800	103	1500
RTH16	10	3/8	**-06**	165	2375	660	9500	103	1500
RTH18	12	1/2	**-08**	120	1750	485	7000	55	800
RTH110	16	5/8	**-10**	105	1500	420	6000	55	800
RTH112	19	3/4	**-12**	85	1250	345	5000	55	800
RTH116	25	1	**-16**	55	800	220	3200	55	800

RTH1 Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK TWO-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	
RTH14	75	3.0	0,12	0.08	9,4	0.37	1100 SERIES
RTH16	125	5.0	0,14	0.09	11,7	0.46	1100 SERIES
RTH18	140	5.5	0,22	0.15	15,4	0.61	1100 SERIES
RTH110	165	6.5	0,28	0.19	18,4	0.72	1100 SERIES
RTH112	200	8.0	0,33	0.22	22,1	0.87	1100 SERIES
RTH116	300	12.0	0,46	0.31	28,6	1.13	1100 SERIES

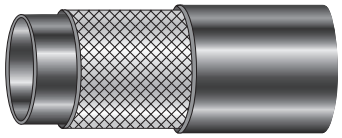
*DuPont Registered TM

Contact RYCO Hydraulics for Crimp Diameter and Mark Length for 1100 Couplings.

PUSH-ON PL1

Meets or exceeds the performance requirements of SAE 100R6, AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type 1.

1 TEXTILE BRAID HOSE



Recommended For:
Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
One textile braid.

Cover:
Black, oil and abrasion resistant synthetic rubber.

Temperature Range:
From -40°C to +95°C (-40°F to +203°F).
For water, water/oil emulsions, diesel fuels, glycol, and air etc. see page 29.

Working 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.

Flame Resistance:
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 Hydraulics for further information.

Couplings:
800 Series Push-On pages 177 to 181.
Assembly instructions page 407.

PL1 Hose simply pushes on to 800 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, 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. Contact RYCO Hydraulics for more information.

PL1 Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM STATIC WORKING PRESSURE		MINIMUM BURST PRESSURE		VACUUM RATING	
	DN	inch	Dash	bar	psi	bar	psi	mmHg	inHg
PL14	6	1/4	**-04**	28	410	112	1640	710	28
PL15	8	5/16	**-05**	28	410	112	1640	710	28
PL16	10	3/8	**-06**	28	410	112	1640	635	25
PL18	12	1/2	**-08**	28	410	112	1640	460	18
PL110	16	5/8	**-10**	24	350	96	1400	380	15
PL112	19	3/4	**-12**	21	305	84	1220	380	15

PL1 Hose Dimensions

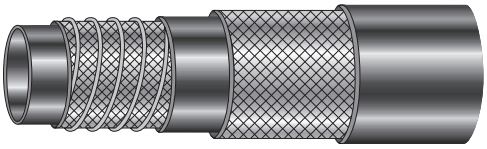
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		PUSH ON
	mm	inch	kg/m	lb/ft	mm	inch	
PL14	65	2.5	0,12	0.08	12,3	0.48	800 SERIES
PL15	75	3.0	0,14	0.09	13,9	0.55	800 SERIES
PL16	75	3.0	0,17	0.11	15,5	0.61	800 SERIES
PL18	100	4.0	0,22	0.15	19,0	0.75	800 SERIES
PL110	125	5.0	0,29	0.19	22,6	0.89	800 SERIES
PL112	150	6.0	0,34	0.23	25,8	1.02	800 SERIES

SUCTION SR

Meets or exceeds the performance requirements of SAE 100R4, AS 3791 100R4 (except SR48).
Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 23).

SUCTION & RETURN HOSE



Recommended For:
Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Textile reinforcement with spiral wire to prevent collapsing.

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

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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).
   3300 SERIES COUPLINGS WITH RSC CLAMP
   3300 (sizes -12 to -40) pages 182 to 186.
   3300 Series Couplings require a suitable clamp around the outside of the hose.
   Refer to RYCO RSC Clamps shown below.
   Assembly instructions pages 406.
2. For Suction Applications, and High Pressure Delivery (up to 100% of Maximum Working Pressure).
   BITELOK NON-SKIVE ONE-PIECE CRIMP
   T400 Series (sizes -12 and -16) pages 124 to 133.
   Assembly instructions page 404.

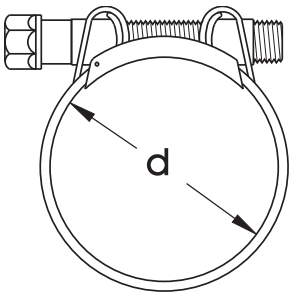
SR Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		VACUUM RATING		MINIMUM BEND RADIUS	AVERAGE WEIGHT	NOMINAL HOSE OD
	DN	inch	Dash	bar	psi	bar	psi	mmHg	inHg	mm	kg/m	mm
SR12	19	3/4	**-12**	21	300	84	1200	635	25	125	0,82	31,5
SR16	25	1	**-16**	17	250	68	1000	635	25	150	1,00	40,0
SR40	63	2.1/2	**-40**	4,3	62	17	250	635	25	350	2,37	78,5
SR48	76	3	**-48**	3,9	56	16	225	635	25	450	2,45	90,7

NOTE: For sizes -20, -24 & -32, use **RYCO SRF** Hose.

HOSE PART NO	CLAMP PART NO	CLAMP ADJUSTMENT RANGE d mm	RECOMMENDED TIGHTENING TORQUE Nm	ft.lbf
SR12	**RSC-3134**	31 to 34	20	15
SR16	**RSC-3740***	37 to 40	20	15
	RSC-4043*	40 to 43	20	15
SR40	**RSC-7379**	73 to 79	25	18
SR48	**RSC-8591**	85 to 91	25	18

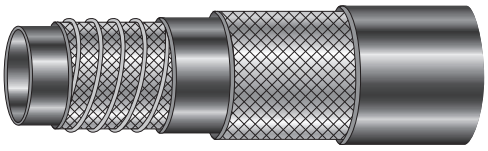


*Due to the manufacturing tolerance on outside diameter of the hose and the range of adjustment of the clamp, it is necessary to confirm correct clamp at time of assembly.

DEFIANT SRF

Meets or exceeds the performance requirements of SAE 100R4, AS 3791 100R4.

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)

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Textile reinforcement with spiral wire to prevent collapsing.

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

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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

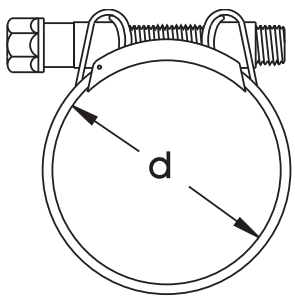
1. For Suction Applications, and Low Pressure Delivery (up to 25% of Maximum Working Pressure).
   3300 SERIES COUPLINGS WITH RSC CLAMP
   3300 (sizes -12 to -32) pages 182 to 186.
   3300 Series Couplings require a suitable clamp around the outside of the hose.
   Refer to RYCO RSC Clamps shown below.
   Assembly instructions pages 406.
2. For Suction Applications, and High Pressure Delivery (up to 100% of Maximum Working Pressure).
   BITELOK NON-SKIVE ONE-PIECE CRIMP
   T400 Series (sizes -12 to -32) pages 124 to 133.
   Assembly instructions page 404.

SRF Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		VACUUM RATING		MINIMUM BEND RADIUS	AVERAGE WEIGHT	NOMINAL HOSE OD
	DN	inch	Dash	bar	psi	bar	psi	mmHg	inHg	mm	kg/m	mm
SRF12	19	3/4	**-12**	21	300	84	1200	635	25	63	0,82	31,5
SRF16	25	1	**-16**	17	250	68	1000	635	25	75	1,00	40,0
SRF20	31	1.1/4	**-20**	14	200	56	800	635	25	100	1,19	46,5
SRF24	38	1.1/2	**-24**	10	150	40	600	635	25	125	1,39	53,1
SRF32	51	2	**-32**	7	100	28	400	635	25	150	1,94	65,5

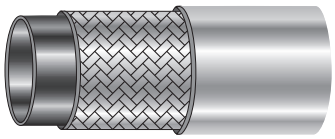
HOSE PART NO	CLAMP PART NO	CLAMP ADJUSTMENT RANGE d mm	RECOMMENDED TIGHTENING TORQUE Nm	ft.lbf
SRF12	**RSC-3134**	31 to 34	20	15
SRF16	**RSC-3740***	37 to 40	20	15
	RSC-4043*	40 to 43	20	15
SRF20	**RSC-4347***	43 to 47	20	15
	RSC-4751*	47 to 51	20	15
SRF24	**RSC-5155**	51 to 55	20	15
SRF32	**RSC-6368**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



*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.

TORNADO WASHER TW1

SKIVE HOSE
1 WIRE BRAID



Recommended For:
Hot Water Pressure Washer Machines.

Tube:
Black synthetic rubber; heat, cleaning chemicals and detergent resistant.

Reinforcement:
One braid of high tensile steel wire.

Cover:
Grey synthetic rubber; oil, chicken fat and abrasion resistant. The cover of TW1 Hose is formulated to resist marking.
Skiving of Cover is required with T200 & T700 Series BITELOK Crimp Couplings.

Temperature Range:
TW1 TORNADO WASHER Hose handles hot water up to +155°C (+310°F).

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

Couplings:
BITELOK SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -8) pages 102 to 123.
T700 Series (sizes -6 and -8) pages 134 to 152.
Assembly Instructions page 405.

Not suitable for use with Field Attachable Couplings.
Common hose couplings used on TW1 Hose include:
T202S BSPP Female Live Swivel
T294 PW Female
T295 PW Gun Handle Tube.

Important Note: Although TW1 is constructed to SAE 100R1AT dimensions, the cover MUST BE SKIVED prior to crimping on hose couplings.

TW1 Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
TW14	6	1/4	**-04**	210	3050	840	12200
TW15	8	5/16	**-05**	210	3050	840	12200
TW16	10	3/8	**-06**	210	3050	840	12200
TW18	12	1/2	**-08**	210	3050	840	12200

TW1 Hose Dimensions

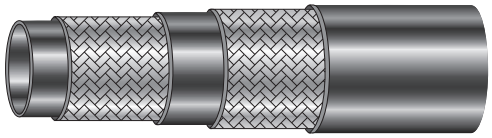
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	SKIVE	SKIVE
TW14	45	1.77	0,21	0.14	13,4	0.53	T200 SERIES	
TW15	55	2.17	0,26	0.17	15,0	0.59	T200 SERIES	
TW16	60	2.4	0,34	0.23	17,4	0.69	T200 SERIES	T700 SERIES
TW18	90	3.5	0,45	0.30	20,6	0.81	T200 SERIES	T700 SERIES

Contact RYCO Hydraulics for Crimp Diameter and Skive Length for BITELOK Couplings.

PRESSURE WASHER PW2

SKIVE HOSE
2 WIRE BRAID



Recommended For:
Hot Water Pressure Washer Machines.

Tube:
Black, heat resistant synthetic rubber.

Reinforcement:
Two braids of high tensile steel wire.

Cover:
Black, oil resistant and abrasion resistant synthetic rubber.
The cover of PW2 hose is formulated to resist marking.
Skiving of Cover is required with T200 & T700 Series BITELOK Crimp Couplings.

Temperature Range:
PW2 PRESSURE WASHER Hose handles hot water up to +150°C (+302°F).

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

Couplings:
BITELOK SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -6) pages 102 to 123.
T700 series (size -6) pages 134 to 152.
Assembly Instructions page 405.

Not suitable for use with Field Attachable Couplings.
Common hose couplings used on PW2 Hose include:
T202S BSPP Female Live Swivel
T294 PW Female
T295 PW Gun Handle Tube.
(Note: The rated Maximum Working Pressures of T202S Series couplings are lower than the Maximum Working Pressures of PW2 Series hoses.)

Important Note: Although PW2 is constructed to SAE 100R2AT dimensions, the cover MUST BE SKIVED prior to crimping on hose couplings.

PW2 Hose Specifications **1 bar = 14.5 psi 1 MPa = 10 bar**

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
PW24	6	1/4	-04	400	5800	1600	23200
PW25	8	5/16	-05	400	5800	1600	23200
PW26	10	3/8	-06	400	5800	1600	23200

PW2 Hose Dimensions **Matched Couplings**

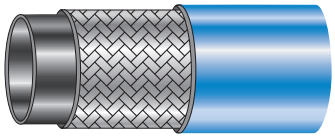
PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	SKIVE	SKIVE
PW24	100	4.0	0,39	0.26	15,0	0.59	T200 SERIES	
PW25	114	4.5	0,46	0.31	16,6	0.65	T200 SERIES	
PW26	130	5.0	0,56	0.38	19,0	0.75	T200 SERIES	T700 SERIES

Contact RYCO Hydraulics for Crimp Diameter and Skive Length for BITELOK Couplings.

LPG (CLASS D) RQG1

AUSTRALIAN GAS ASSOCIATION Approval No. 5523.
Meets AS/NZS 1869 Class D (2,6 MPa working pressure, +125°C/+257°F max. temperature).

1 WIRE BRAID HOSE



IMPORTANT INFORMATION
RYCO RQG1 Series LPG Hose has Australian Gas Association approval (AGA approval No. 5523) only when used with RYCO T200 Series BITELOK One-Piece Non-Skive Crimp Couplings, or RYCO K 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 Hydraulics Technical Department.

Recommended For:
Liquified Petroleum Gas and Natural Gas including automotive applications.
Maximum Working Pressure 2,6 MPa (26 bar, 375 psi).

Tube:
Black, synthetic rubber.

Reinforcement:
One braid of high tensile steel wire.

Cover:
Blue, abrasion resistant synthetic rubber.
Pin-pricked (perforated).
No skiving required with T200 Series BITELOK Crimp Couplings and K Series Field Attachable Couplings.

Temperature Range:
From -40°C to +125°C (-40°F to +257°F).

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T200 Series (sizes -4 to -16) pages 102 to 123.
Available only as Factory Fitted Hose Assemblies.

FIELD ATTACHABLE NON-SKIVE
K Series (sizes -4 to -16) pages 202 to 219.
Available only as Factory Fitted Hose Assemblies.

RQG1 Hose Specifications

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE	
	DN	inch	Dash	MPa	psi
RQG14	6	1/4	-04	2,6	375
RQG16	10	3/8	-06	2,6	375
RQG18	12	1/2	-08	2,6	375
RQG110	16	5/8	-10	2,6	375
RQG112	19	3/4	-12	2,6	375
RQG116	25	1	-16	2,6	375

RQG1 Hose Dimensions

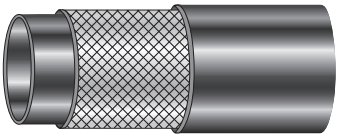
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE K SERIES		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	NON-SKIVE
RQG14	100	4.0	0,24	0.16	13,4	0.53	600 SERIES	K00-04	T200 SERIES
RQG16	130	5.0	0,34	0.23	17,4	0.69	600 SERIES	K00-06	T200 SERIES
RQG18	180	7.0	0,44	0.30	20,5	0.81	600 SERIES	K00-08	T200 SERIES
RQG110	200	8.0	0,51	0.34	23,7	0.93	600 SERIES	K00-10	T200 SERIES
RQG112	240	9.5	0,64	0.43	27,6	1.09	600 SERIES	K00-12	T200 SERIES
RQG116	300	12.0	0,98	0.66	35,7	1.41	600 SERIES	K00-16	T200 SERIES

FUEL LINE M1

Meets or exceeds SAE 30R7.

1 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.

WARNING: Do not use for pressure lines on fuel injected engines or for Cooling System Applications.

Tube:

Black synthetic rubber. (Nitrile).

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).

M1 Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		VACUUM RATING AT 20°C (68°F)	
	DN	inch	Dash	bar	psi	mmHg	inHg
M14	6	1/4	-04	3,5	50	610	24
M15	8	5/16	-05	3,5	50	610	24
M16	10	3/8	-06	3,5	50	610	24

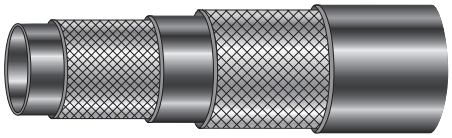
M1 Hose Dimensions

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD	
	mm	inch	kg/m	lb/ft	mm	inch
M14	75	3.0	0,14	0.09	12,7	0.50
M15	75	3.0	0,17	0.11	14,3	0.56
M16	100	4.0	0,18	0.12	15,9	0.63

TEXTILE M2

Meets or exceeds the performance requirements of SAE 100R3, AS 3791 100R3, DIN 20021-2TE, ISO 4079 Type R3. Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 23).

2 TEXTILE BRAID HOSE



Recommended For:
Medium pressure hydraulic oil lines, antifreeze solutions, water.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Two textile braids.

Cover:
Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T400 Series BITELOK Crimp Couplings and 400 Series Field Attachable Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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

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.

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -12) pages 124 to 133.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE
400 Series (sizes -4 to -12) pages 202 to 219.
Assembly Instructions page 402.

M2 Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
M24	6	1/4	-04	88	1250	350	5000
M26	10	3/8	-06	79	1125	315	4500
M28	12	1/2	-08	70	1000	280	4000
M212	19	3/4	-12	52	750	210	3000

M2 Hose Dimensions

Matched Couplings

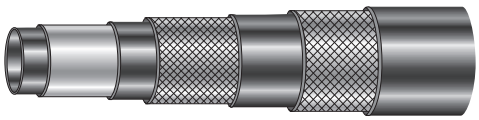
PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE 400 SERIES		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	NON-SKIVE
M24	75	3.0	0,16	0.11	14,3	0.56	600 SERIES	400-04	T400 SERIES
M26	100	4.0	0,28	0.19	19,0	0.75	600 SERIES	400-06	T400 SERIES
M28	125	5.0	0,41	0.28	23,8	0.94	600 SERIES	400-08	T400 SERIES
M212	240	9.5	0,65	0.44	31,7	1.25	600 SERIES	400-12	T400 SERIES

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

BARRIER FB2

Meets or exceeds the performance requirements of SAE J2064 Type C Class II.

2 TEXTILE BRAID HOSE
NYLON BARRIER



Recommended For:

Automotive air conditioning systems and other refrigeration and air conditioning systems using refrigerants R12 and R134a. Also suitable for use with R22 and R114.
The internal rubber layer assures coupling integrity and reduces the risk of refrigerant loss around the couplings, and the nylon barrier reduces the permeation of refrigerant, to protect the environment.
FB2 is a reduced bore hose. It has a similar Inside Diameter to metal tubing of the same nominal size.
For example, 5/8" (OD) tubing has an Inside Diameter of approximately 1/2".
FB210 is also 1/2" Inside Diameter.

Tube:

Black, synthetic rubber internal layer (polychloroprene) with Nylon Barrier.

Reinforcement:

Two braids of synthetic yarn.

Cover:

Black, oil resistant and abrasion resistant synthetic rubber (EPDM). No skiving required with 1G00 Series Crimp Couplings.

Temperature Range:

From -30°C to +125°C (-22°F to +257°F).

Couplings:

1G00 SERIES CRIMP COUPLINGS page 175 and 176.
Assembly instruction page 407.

1G00 Series Crimp Couplings consist of G00 Series Insert and 1G00 Series Crimp Ferrule.

Use only with 1G00 Series Crimp Ferrules.
Worm drive hose clamps must not be used with FB2 Hose.

FB2 Hose Specifications

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
FB26	8	5/16	**-06**	35	500	140	2000
FB28	10	13/32	**-08**	35	500	140	2000
FB210	12	1/2	**-10**	35	500	140	2000

FB2 Hose Dimensions

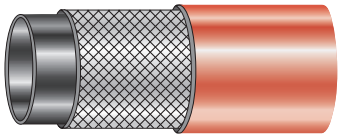
Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		1G00 CRIMP COUPLINGS	
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE
FB26	16	0.6	0,28	0.19	19,0	0.75	G00 SERIES	1G00-06
FB28	25	1.0	0,42	0.28	23,0	0.91	G00 SERIES	1G00-08
FB210	32	1.3	0,48	0.32	25,4	1.00	G00 SERIES	1G00-10

Contact RYCO Hydraulics for Crimp Diameter, Crimp Length and Mark Length for 1G00 Couplings.

MULTI PURPOSE MP1

1 TEXTILE BRAID HOSE



Recommended For:
Air, water, petroleum oils, kerosene and fuel oils.

Tube:
Black, oil resistant synthetic rubber (Nitrile).
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.

Electrical Non-Conductivity:
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%.

Working Pressure:
Maximum working pressures are based on 4:1 safety factor (minimum burst to maximum working pressure), and are for the performance of the hose with RYCO T400 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:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -20) pages 124 to 133.
Assembly instructions page 404.

Standard industrial hose barbed tails with hose clamps may also be suitable depending on working pressure required.
Not suitable for use with RYCO 800 Series Push-On couplings.

MP1 Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
MP14	6	1/4	**-04**	13,8	200	55,2	800
MP16	10	3/8	**-06**	13,8	200	55,2	800
MP18	12	1/2	**-08**	13,8	200	55,2	800
MP110	16	5/8	**-10**	13,8	200	55,2	800
MP112	19	3/4	**-12**	13,8	200	55,2	800
MP116	25	1	**-16**	13,8	200	55,2	800
MP120	31	1.1/4	**-20**	13,8	200	55,2	800

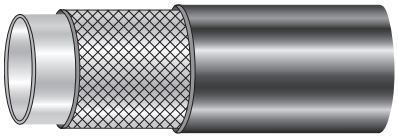
MP1 Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE
MP14	50	2.0	0,15	0.10	13,5	0.53	T400 SERIES
MP16	75	3.0	0,23	0.15	17,5	0.69	T400 SERIES
MP18	100	4.0	0,31	0.21	21,4	0.84	T400 SERIES
MP110	125	5.0	0,43	0.29	25,4	1.00	T400 SERIES
MP112	125	5.0	0,49	0.33	28,6	1.13	T400 SERIES
MP116	200	8.0	0,80	0.54	37,3	1.47	T400 SERIES
MP120	250	10.0	1,00	0.67	43,9	1.73	T400 SERIES

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

SPIDERLINE RT7



Meets or exceeds the performance requirements (except electrical non-conductivity tests) of SAE 100R7, AS 3791 100R7, EN 855 Type R7.
Note: RT72 size is not included in the above standards.

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.
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).
Cover is perforated (pin-pricked) for use with air and gases.
RYCO RT7 Series Hose has lighter weight and more compact outside diameter than wire braided rubber SAE 100R1AT hose.
Smooth inner tube for high flow rate; and smooth, easily cleaned cover.
The polyester or nylon reinforcement gives RT7 Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

Tube:

RT72:
Oil resistant seamless thermoplastic (Polyester).

RT73 to RT712:
Oil resistant seamless thermoplastic (Nylon).

Reinforcement:

RT72:
One braid of synthetic yarn (Polyester).

RT73 to RT712:
One or two braids of synthetic yarn (Nylon).

Cover:

Black, oil and abrasion resistant thermoplastic (Polyurethane).

Temperature Range:

From -40°C to +95°C (-40°F to +203°F).

Working Pressure:

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

Couplings:

RT72 to RT712:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -2 to -12) pages 124 to 133.
Assembly Instructions page 404.

NOTE: Special Assembly Procedures required for **RT72** Hose. Contact RYCO Hydraulics Technical Department for further information.

RT7 Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
RT72	3	1/8	**-02**	210	3050	840	12200
RT73	5	3/16	**-03**	210	3050	840	12200
RT74	6	1/4	**-04**	190	2750	760	11000
RT76	10	3/8	**-06**	155	2250	620	9000
RT78	12	1/2	**-08**	138	2000	552	8000
RT712	19	3/4	**-12**	86	1250	345	5000

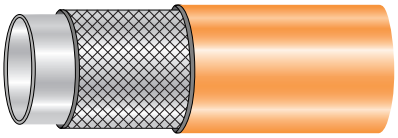
RT7 Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE
RT72	38	1.5	0,05	0.03	8,2	0.32	T400 SERIES
RT73	89	3.5	0,07	0.05	10,5	0.41	T400 SERIES
RT74	100	4.0	0,09	0.06	12,6	0.50	T400 SERIES
RT76	125	5.0	0,15	0.10	16,5	0.65	T400 SERIES
RT78	178	7.0	0,24	0.16	21,2	0.83	T400 SERIES
RT712	240	9.5	0,30	0.20	26,7	1.05	T400 SERIES

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

ISOLATOR RT7N



Meets or exceeds the performance requirements (including electrical non-conductivity tests) of SAE 100R7, AS 3791 100R7, EN 855 Type R7.

Recommended For:
High pressure 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 polyester reinforcement gives RT7N Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

Electrical Non-Conductivity:
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.

Tube:
White, oil resistant seamless thermoplastic (Polyester).

Reinforcement:
One or two braids of synthetic yarn (Polyester).

Cover:
Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is unperforated.

Temperature Range:
From -40°C to +95°C (-40°F to +203°F).

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

Couplings:
BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -12) pages 124 to 133.
Assembly Instructions page 404.

RT7N Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
RT74N	6	1/4	-04	190	2750	760	11000
RT76N	10	3/8	-06	155	2250	620	9000
RT78N	12	1/2	-08	138	2000	552	8000
RT712N	19	3/4	-12	86	1250	345	5000

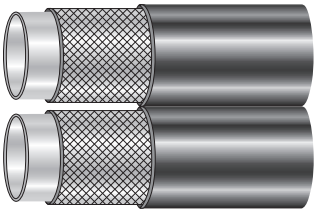
RT7N Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE
RT74N	100	4.0	0,09	0.06	12,6	0.50	T400 SERIES
RT76N	125	5.0	0,15	0.10	16,5	0.65	T400 SERIES
RT78N	178	7.0	0,22	0.15	20,6	0.81	T400 SERIES
RT712N	240	9.5	0,33	0.22	26,7	1.05	T400 SERIES

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

SPIDERLINE TWIN RT7T



Meets or exceeds the performance requirements (except electrical non-conductivity tests) of SAE 100R7, AS 3791 100R7, EN 855 Type R7.

Recommended For:

RYCO RT7T SPIDERLINE TWIN Hose consists of two RT7 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.
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).
Cover is perforated (pin-pricked) for use with air and gases.
Smooth inner tube for high flow rate; and smooth, easily cleaned cover.
The nylon reinforcement gives RT7T Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

Tube:

Oil resistant seamless thermoplastic (Nylon).

Reinforcement:

One or two braids of synthetic yarn (Nylon).

Cover:

Black, oil and abrasion resistant thermoplastic (Polyurethane).

Temperature Range:

From -40°C to +95°C (-40°F to +203°F).

Working Pressure:

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

Couplings:

BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -8) pages 124 to 133.
Assembly instructions pages 404 and 409.

RT7T Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
RT74T	6	1/4	**-04**	190	2750	760	11000
RT76T	10	3/8	**-06**	155	2250	620	9000
RT78T	12	1/2	**-08**	138	2000	552	8000

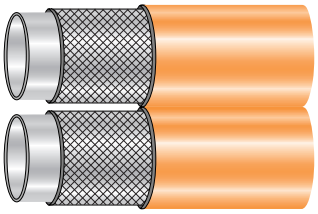
RT7T Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE
RT74T	100	4.0	0,18	0.12	12,6 (x 2 OFF)	0.50 (x 2 OFF)	T400 SERIES
RT76T	125	5.0	0,30	0.20	16,5 (x 2 OFF)	0.65 (x 2 OFF)	T400 SERIES
RT78T	178	7.0	0,48	0.32	21,2 (x 2 OFF)	0.83 (x 2 OFF)	T400 SERIES

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

ISOLATOR TWIN RT7TN



Meets or exceeds the performance requirements (including electrical non-conductivity tests) of SAE 100R7, AS 3791 100R7, EN 855 Type R7.

Recommended For:

RYCO RT7TN ISOLATOR TWIN Hose consists of two RT7N 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.
RT7TN 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 RT7TN Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

Electrical Non-Conductivity:

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.

Tube:

White, oil resistant seamless thermoplastic (Polyester).

Reinforcement:

One or two braids of synthetic yarn (Polyester).

Cover:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is unperforated.

Temperature Range:

From -40°C to +95°C (-40°F to +203°F).

Working Pressure:

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

Couplings:

BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -8) pages 124 to 133.
Assembly instructions pages 404 and 409.

RT7TN Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
RT74TN	6	1/4	**-04**	190	2750	760	11000
RT76TN	10	3/8	**-06**	155	2250	620	9000
RT78TN	12	1/2	**-08**	138	2000	552	8000

RT7TN Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch	NON-SKIVE
RT74TN	100	4.0	0,18	0.12	12,6 (x 2 OFF)	0.50 (x 2 OFF)	T400 SERIES
RT76TN	125	5.0	0,30	0.20	16,5 (x 2 OFF)	0.65 (x 2 OFF)	T400 SERIES
RT78TN	178	7.0	0,45	0.30	20,6 (x 2 OFF)	0.81 (x 2 OFF)	T400 SERIES

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

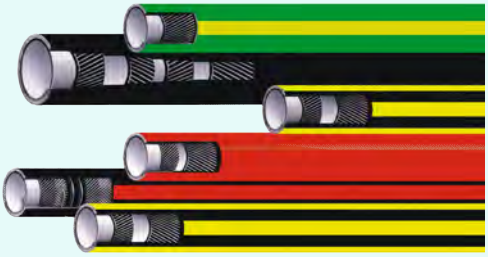
HOSES & FITTING

UNIHOSE®
Reliable Hydraulic Hose

Our Company support and supply mining company, heavy duty equipment, Industry segment, hydraulic system fabrication and etc. We offers a wide range product for hydraulic system.

Hose & Fitting & Adaptors

Hydraulic Hose



Industrial Hose

Ferrules, Fittings

Adaptors

Swaging Machine & Cuting & Skiving

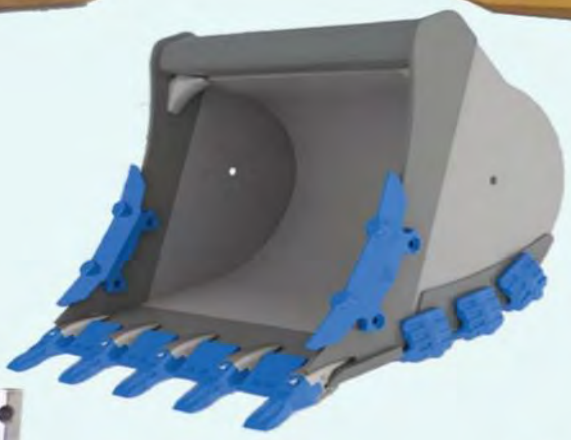
GROUND ENGAGING TOOLS (GET)

TDR
Ground Engaging Tools
High Quality

To help improvement of the goods availability on mining site, especially spare parts that affect to heavy equipment Performance Availability, we are PT Mastrade Indonesia took the initiative to provide a solution by offering general supply products with good quality, short delivery time and competitive price.

Ground Engaging Tools (GET)

TDR is China leader ground engaging tools, manufactures high-tech teeth and adapter for loader and exavators from 35 to 400 tones.
TDR has developed teeth and adapters to allow fast and easy assembly and disassembly. User safety is enhanced as there are no shards from hammering.



UNDERCARRIAGE

TDR UNDERCARRIAGE
High Quality

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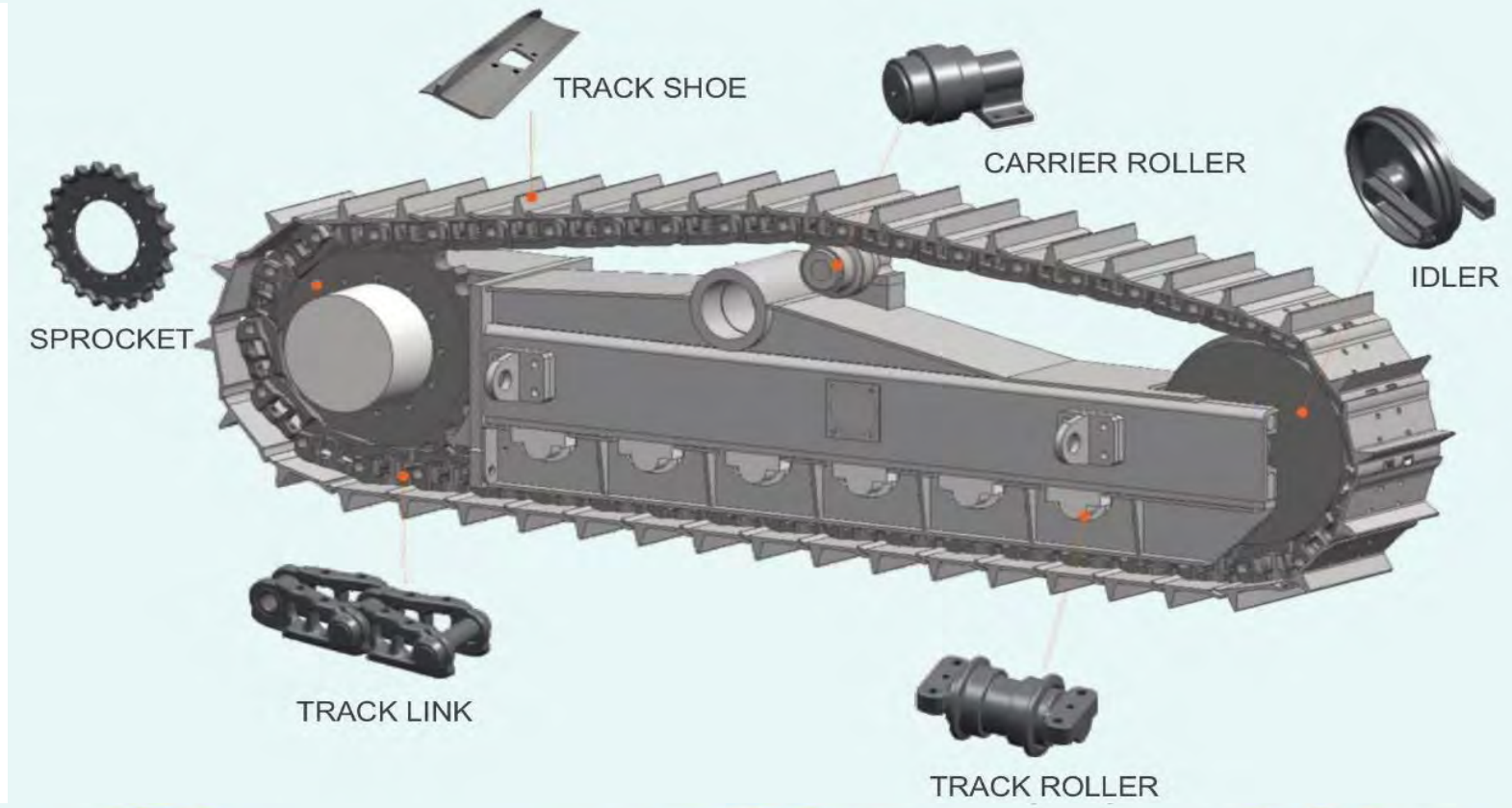
Undercarriage

TDR Undercarriage China are specialized in manufacturing for heavy equipment undercarriage parts such as, track links, track bushing, track link joint, track shoe, track roller, sprocket and idlers has growing to be a world class manufacture with a proper time and best quality.



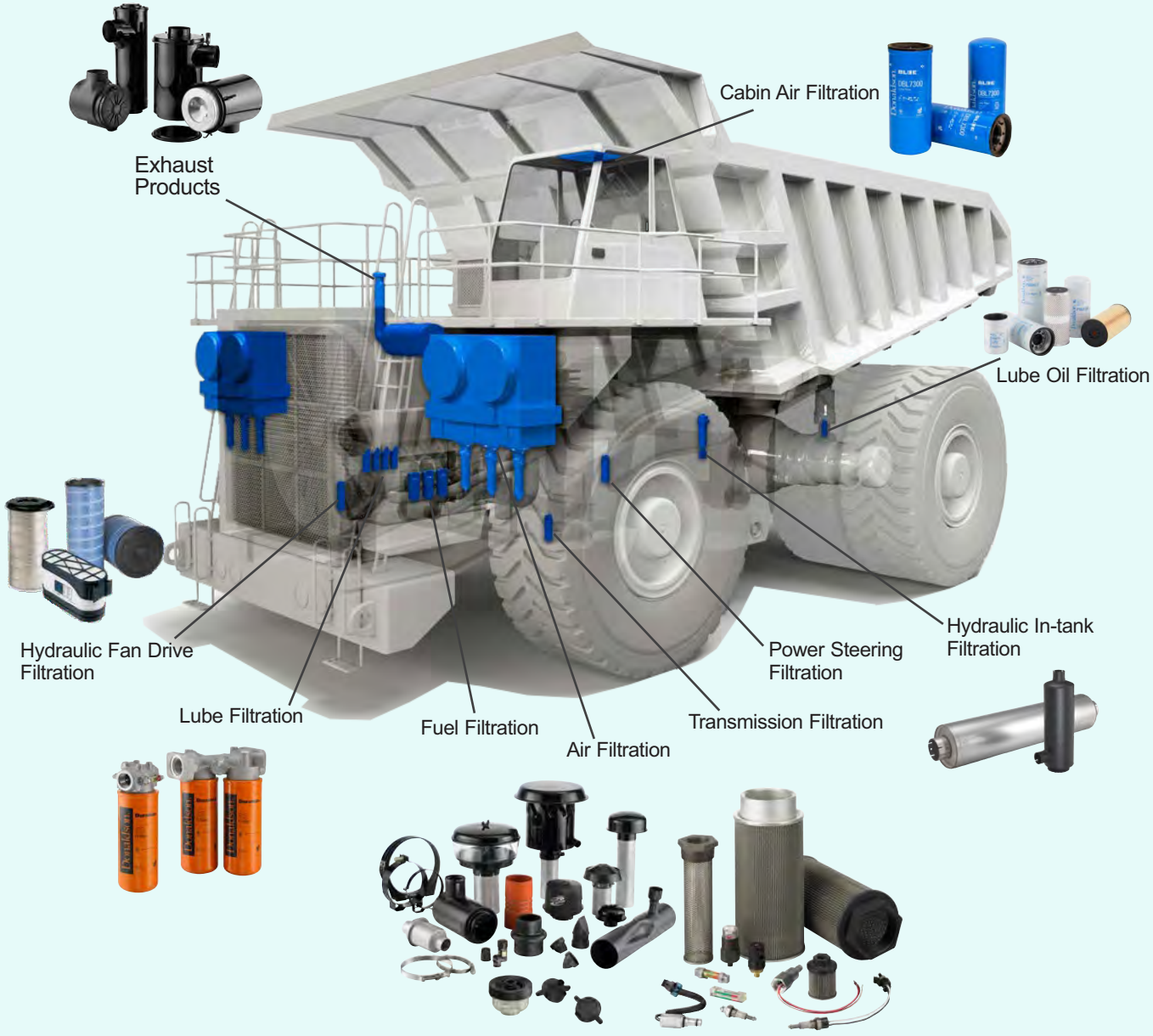
FILTRATION

To help improvement of the goods availability on mining site, especially spare parts that affect to heavy equipment Performance Availability, we are PT Mastrade Indonesia took the initiative to provide a solution by offering general supply products with good quality, short delivery time and competitive price.

Donaldson Filter

Road Ready Performance. Durable, rugged and built for the long haul. Donaldson replacement filters are manufactured to the same quality standards as the original.

Downtime means lost revenue. To keep your equipment in service you need filters that deliver superior performance – and a reliable supplier that offers complete coverage for your entire fleet.



FILTRATION

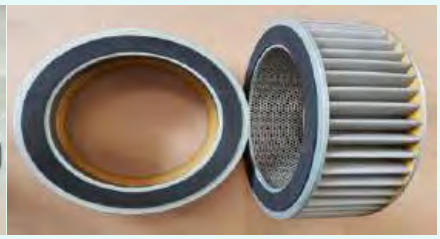
Especially to meet the needs of filter elements for oil, fuel and air with all kinds of specifications and prices that are very competitive in the middle class, Mas-Efil filtration is a local product with good quality and can be customized according to customer needs

Filter Intake Sea Water Screen Wash



Filter Blower High Pressure & Oil Bearing Turbin



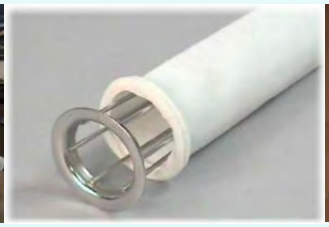


Filter Mesin Industri


Oil Filter Purifier


Housing Filter 304

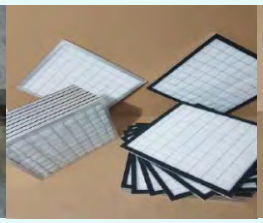

Head + Cartridge


Filter Bag Dust Collector


Filter Strainer Screen


Filter Coalescer


Filter Panel Dust


Filter Panel Dust


Filter Air Compressor


Filter Air Dryer

Filter Mesin Industri




BATTERY

To help improvement of the goods availability on mining site and industries, especially spare parts that affect to heavy equipment Performance Availability, we are PT Mastrade Indonesia took the initiative to provide a solution by offering general supply products with good quality, short delivery time and competitive price.

GS Battery and Yuasa

PT GS Battery was established in 1992, it's pioneer of lead-acid battery inovation in Indonesia. GS name came from founder he is Genzo Shimadzu, who was revered and known as the Edison of Japan for his contribution to the development of science. In 1920, the discovery of "Shimadzu lead powder production process" has a great impact on the industrial world that revolutionizes producing lead-acid battery.

PT GS Battery was lead-acid batteries business main player in Asia, where own by PT Astra Otoparts Tbk, GY International Ltd and Toyota Tsuho Corporation.

PT Yuasa Battery Indonesia was established in 1975 is subsdiary GS-Yuasa Group that have haead office in Japan. GS-Yuasa Group was produce many type of battery / accumulator, says: Uninterruptible Power Supply (UPS), Rectifier, Charger and others products that have relation with battery.

Type of battery that produce by Yuasa are Ni-Cad, Traction, UXL, UXH, NP, HS, CS & YR.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

To help improvement of the goods availability on mining site and industries, especially spare parts that affect to heavy equipment Performance Availability, we are PT Mastrade Indonesia took the initiative to provide a solution by offering general supply products with good quality, short delivery time and competitive price.

Personal Protective Equipment (PPE)

The legal and regulatory basis for the use of personal protective equipment in Indonesia are:

- Undang-undang No.1 Tahun 1970
- Permenkertrans No.Per:01/Men/1981
- Permenkertrans No.Per:03/Men/1982
- Permenkertrans No.Per:08/Men/VII/20101982

One of The regulation contents is employers must responsible for providing a safe and healthy workplace for their employees.

Hazards exist in every workplace in many different forms: sharp edges, falling objects, flying sparks, chemicals, noise and a myriad of other potentially dangerous situations. The Occupational Safety and Health Administration (OSHA) requires that employers protect their employees from workplace hazards that can cause injury.

PT Mastrade Indonesia that have working experience in areas that have risks in mining, oil & gas, cement mills, steel mills or other heavy industries provides PPE equipment that have their safety standards requirements.

SKF BEARING

To help improvement of the goods availability on mining site and industries, especially spare parts that affect to heavy equipment Performance Availability, we are PT Mastrade Indonesia took the initiative to provide a solution by offering general supply products with good quality, short delivery time and competitive price.

SKF Bearing

SKF started with a bearing, and to this day is still a world leader in the design and manufacture of rolling and plain bearings. Here you will find our full assortment including a wide variety of bearing units and bearing housings.

• SKF Standard • SKF Explorer • SKF Efficient • SKF Super Precision

A wide wide assortment of plain bearings, rod ends bushings are also available. The design and material variants for these bearings are quite extensive.

Bearing, housing and accessories :

- SKF Explorer spherical roller bearings
- SKF Explorer spherical roller bearings for vibratory applications
- Cylindrical roller bearings
- Tapered roller bearings
- Deep grove ball bearings
- SKF Energy Efficient (EZ) deep groove ball bearings
- SKF Three-barrier solution
- SKF Taconite seals
- SKF ConCentra roller bearing units
- CARB toroidal roller bearings
- Split roller bearings
- Slewing bearings
- SKF kiln roller support assembly
- SKF trunnion bearing housings for grinding mills
- SKF Explorer steel / steel plain bearings
- SKF hydrostatic shoe bearings
- SAF bearing housings
- SDAF bearing housings
- SNL bearing housings
- Oil injection sleeves