

Industrial Rubber Hose 2012



TR TOTALRUBBER

PH: 1300 720 655
FAX: 1300 720 677

www.totalrubber.com.au

Custom Built Hose

Custom rubber hose

Totalrubber custom built hose assemblies are designed for each customer's unique application. The design department has over 25 years experience in this specialty mandrel built hose field and have sales representation throughout Australia.

Materials and sizes.

Only the highest quality materials are used in the construction of these hose assemblies. Rubber compounds are selected to produce the best performance for each application. Hoses can be constructed with soft wall for pressure delivery or hard wall incorporating a helix wire for suction. Sizes range from 25mm to 2000mm in diameter and continuous lengths up to 1,200 metres! Totalrubber specialise in corrugated exterior hoses to give maximum flexibility.

Common applications.

There are endless possibilities for custom built hose applications, some of the most common are:

- Mining abrasive slurry transfer
- Dredging operations
- Pumping and irrigation
- Stacker reclaimer reeling hose
- Mineral processing
- Road sweeper hose
- Offshore exploration transfer hose
- Dock hose to BS1435
- Grain transfer
- Concrete pumping and pump squeeze tubes
- Food and beverage transfer
- Acid and chemical transfer.



**Beaded (swivel)
Flange**

Beaded ends or swivel flanges are the most common hose termination. The ability for the flange to swivel before tightening allows for easy bolt hole alignment and also allows hose rotation to maximise hose wear without the need to remove the assembly.

Fixed Flange

Fixed flange spigots can be built into the assembly in most flange styles and materials. These are suited for applications that do not require regular hose rotation.

Cuffed (soft ends)

Cuffed or soft ends are normally applied to hoses that require a fitting to be inserted and externally clamped. Cuffs can be enlarged to accommodate different diameters at each end of the hose.

Plain End

Plain end termination can be built for applications that require special end fittings to be attached after manufacture such as internal swage fittings or muff couplings.



TR TOTAL RUBBER

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RMD1

MULTIPURPOSE

Coil Lengths = 20mt, 40mt & 100mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RMD1-0019	5	12	20	0.16	Stocked
RMD1-0025	6	13	20	0.17	Stocked
RMD1-0031	8	15	20	0.20	Stocked
RMD1-0038	10	17	20	0.24	Stocked
RMD1-0050	12	21	20	0.34	Stocked
RMD1-0063	16	26	20	0.53	Stocked
RMD1-0075	19	29	20	0.60	Stocked
RMD1-0100	25	36	20	0.80	Stocked
RMD1-0125	32	44	14	1.28	Stocked
RMD1-0150	38	53	14	1.49	Stocked
*RMD1-0200	51	63	10	1.65	Stocked

Common Applications:

This high quality multi-purpose hose is suitable for conveying air, water, oil, petroleum and various chemicals.

Note: Suitable for transfer of ULP at low pressure. No static wire.

Safety factor 3:1.

Burst pressure is three times that of working pressure.

Extruded Construction

Tube Black smooth Nitrile rubber, resistant to 55% aromatic content.

Electronically non-conductive, (Alcoa approved)

*RMD1-0200 wrapped construction

Reinforcement:

Braided synthetic cord.

Cover:

Red smooth extruded rubber, abrasion & weather resistant.

Branding:

White Totalrubber© print.

Temperature Range:

-25 °C to 100 °C



RAD2

AIR/WATER 20 BAR

Coil Lengths = 20mt/61mt (Others On Request).

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAD2-0050	12	23	20	0.78	Stocked
RAD2-0075	19	31	20	0.91	Stocked
RAD2-0100	25	35	20	1.03	Stocked
RAD2-0125	32	44	20	1.15	Stocked
RAD2-0150	38	54	20	1.38	Stocked
RAD2-0200	51	65	20	2.04	Stocked
RAD2-0300	76	90	20	3.07	Stocked

Common Applications:

Heavy duty mandrel built air/water supply line. Ideal for rough applications in the mining, construction and hire industries.

Wrapped Construction

Tube: Black smooth synthetic rubber, oil mist resistant.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Black smooth synthetic rubber, abrasion and weather resistant.

Branding:

Blue/Green Totalrubber© stripe

Temperature Range:

-35 °C to +70 °C



RAD3

20 BAR FABRIC AIR

Coil Lengths = 20mt/61mt

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAD3-0075	19	31	20	0.71	Stocked
RAD3-0100	25	35	20	0.90	Stocked
RAD3-0125	32	44	20	1.85	Stocked
RAD3-0150	38	52	20	1.30	Stocked
RAD3-0200	51	66	20	1.52	Stocked
RAD3-0300	76	94	20	2.22	Stocked
RAD3-0400	102	121	20	4.00	Request

Common Applications:

Heavy duty mandrel built air supply line. The safety yellow cover makes it ideal for use in underground mining, hire and construction applications.

Wrapped Construction

Tube Black smooth synthetic rubber, oil mist resistant.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Yellow smooth synthetic rubber, abrasion and weather resistant.

Branding:

Blue/White Totalrubber© stripe

Temperature Range:

-35 °C to +70 °C



RAD4 40 BAR STEEL AIR

Coil Lengths = 61mt

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAD4-0075	19	31	50	0.74	Request
RAD4-0100	25	38	45	0.91	Request
RAD4-0125	32	45	45	1.19	Stocked
RAD4-0150	38	56	40	1.51	Stocked
RAD4-0200	51	69	40	2.40	Stocked
RAD4X-0200	51	70	82	3.68	Stocked
RAD4-0250	63.5	81	35	2.90	Stocked
RAD4-0300	76	95	35	4.68	Stocked
RAD4X-0300	76	98	82	5.99	Stocked
RAD4-0400	102	120	30	7.34	Stocked

Common Applications:

This steel reinforced heavy duty air hose is suited to the most severe mining and industrial applications. The high margin of safety gives a long trouble free service. Safety Factor 3:1
Burst pressure in 3 times that of working pressure.

Wrapped Construction

Tube Black smooth synthetic rubber, heat and oil mist resistant.

Reinforcement: Plies of steel wire cord.

Cover: Yellow smooth synthetic rubber, abrasion and weather resistant.

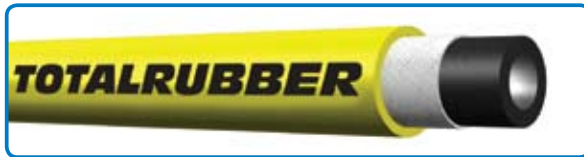
Branding.

Black Sunflex AH600

Temperature Range:

-40 °C to +100 °C

RAD4X THEORETICAL BURST 320 BAR



RAD5 EAGLE 600

Coil Lengths = 20mt, 40mt & 100mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAD5-0050	12	20	15	0.34	Stocked
RAD5-0075	20	29	15	0.60	Stocked
RAD5-0100	25	36	15	0.80	Stocked

>>>Also available in Black<<<

Common Applications:

General purpose hose with safety yellow cover is ideally suited for the transfer of air and water in the mining and hire industries.

Wrapped Construction

Tube Black smooth synthetic rubber, oil mist resistant.

Reinforcement: Braided synthetic cord.

Cover: Yellow smooth synthetic rubber, abrasion and weather resistant.

Branding. Black Totalrubber® print

Temperature Range: -35 °C to + 70 °C



RAD7 AIR BRAKE J1402

Coil Lengths = 20mt/200mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAD7-0038	10	19	25	0.28	Stocked
RAD7-0050	12	22	25	0.36	Stocked

Common Applications:

This hose had been designed for use in compressed air brake line systems on semi-trailers, trucks and buses. Conforms to SAE-J1402A for use with permanent and re-usable fittings.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement: Braided synthetic cord.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding. White Totalrubber® print

Temperature Range: -35 °C to + 75 °C



RAS1 HOT AIR BLOWER

Coil Lengths = 20mt

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RAS1-0300	76	93	8	3.72	Stocked
RAS1-0400	102	115	8	5.52	Request

Common Applications: The flexible heavy duty suction hose is specially designed for the transfer of hot air to dry bulk material handling tanks.

Wrapped Construction

Tube Black smooth EPDM rubber.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding. Red/Black Totalrubber® stripe

Temperature Range: -35 °C to + 175 °C



RWD1 10 BAR WATER DELIVERY

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWD1-0050	12		10	0.35	Stocked
RWD1-0075	19	28	10	0.54	Stocked
RWD1-0100	25	34	10	0.66	Stocked
RWD1-0125	32	42	10	0.93	Stocked
RWD1-0150	38	48	10	1.07	Stocked
RWD1-0175	44	54	10	1.39	Stocked
RWD1-0200	51	61	10	1.43	Stocked
RWD1-0225	57	68	10	1.65	Stocked
RWD1-0250	64	74	10	1.81	Stocked
RWD1-0275	70	82	10	2.18	Stocked
RWD1-0300	76	89	10	2.30	Stocked
RWD1-0350	89	98	10	3.13	Stocked
RWD1-0400	102	114	10	3.75	Stocked
RWD1-0450	114	127	10	3.91	Stocked
RWD1-0500	127	140	10	4.12	Stocked
RWD1-0600	152	165	8	4.88	Stocked
RWD1-0800	204	213	8	7.74	Stocked
RWD1-1000	254	267	8	10.10	Stocked
RWD1-1200	305	323	7	-	Stocked
RWD1-1400	355	378	4	-	Stocked
RWD1-1800	457	-	4	-	Request

Common Applications:

Medium duty mandrel built rubber hose suited for general purpose industrial water transfer applications.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Black smooth synthetic rubber, abrasion and weather resistant.

Branding:

Green Totalrubber® stripe

Temperature Range:

-35 °C to + 70 °C

* 20Bar water delivery refer to RAD2.



RWD4 STRAIGHT RADIATOR

Lengths = 980mm (3ft). (Flexible Radiator Hose Also Available.)

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWD4-0075	19	29	10	0.63	Stocked
RWD4-0088	22	32	10	0.71	Stocked
RWD4-0100	25	35	10	0.71	Stocked
RWD4-0113	28	38	10	0.81	Stocked
RWD4-0125	32	44	10	0.91	Stocked
RWD4-0138	35	48	10	0.98	Stocked
RWD4-0150	38	51	10	1.55	Stocked
RWD4-0156	41	54	10	1.08	Stocked
RWD4-0175	44	57	10	1.28	Stocked
RWD4-0188	48	60	10	1.45	Stocked
RWD4-0200	51	63	10	1.70	Stocked
RWD4-0213	54	67	10	1.76	Stocked
RWD4-0225	57	70	10	1.81	Stocked
RWD4-0238	60	73	10	1.94	Stocked
RWD4-0250	64	76	10	2.14	Stocked
RWD4-0263	67	79	10	2.21	Stocked
RWD4-0275	70	82	10	2.35	Stocked
RWD4-0288	73	86	10	2.48	Stocked
RWD4-0300	76	89	10	2.37	Stocked
RWD4-0325	82	96	10	2.77	Stocked
RWD4-0338	84	99	10	2.79	Stocked
RWD4-0350	90	104	10	2.95	Stocked
RWD4-0375	95	109	10	3.15	Stocked

Common Applications:

Heavy duty mandrel built straight radiator hose for the transfer of water in motor cooling systems.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Black smooth synthetic rubber, abrasion and weather resistant.

Branding:

Green Sunflex RH150 stripe.

Temperature Range:

-40 °C to + 120 °C



RWD3 WHITE WASHDOWN

Coil Lengths = 20mt/100mt Spools.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWD3-0050	12	23	14	0.49	Stocked
RWD3-0075	19	32	14	0.81	Stocked
RWD3-0100	25	39	14	0.81	Stocked

Common Applications:

Medium duty extruded rubber washdown hose. The white cover makes it ideally suited for hot water washdown in the food processing industry.

Extruded Construction

Tube White smooth EPDM.

Reinforcement: Braided synthetic cord.

Cover: White smooth Neoprene rubber, abrasion and weather resistant.

Branding: Black Totalrubber© print.

Temperature Range: -35 °C to + 95 °C



RWD5 FIRE REEL HOSE

Coil Lengths = 20mt/100MT/200mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWD5-0050	12	20	15	0.34	Stocked
RWD5-0075	19	29	15	0.60	Stocked
RWD5-0199	25	35	15	0.79	Stocked

Common Applications:

Medium duty extruded hose suited for use on fire hose reels. Complies with Australian Standards AS1221.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Braided synthetic cord.

Cover: Black ribbed synthetic rubber, abrasion and weather resistant.

Branding.

White Totalrubber© printing.

Temperature Range:

-25 °C to + 75 °C



RWD6 CAR HEATER HOSE

Coil Lengths = 20mt/100MT/200mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWD6-0038	10	17	7	0.28	Stocked
RWD6-0050	12	20	7	0.30	Stocked
RWD6-0063	16	23	7	0.34	Stocked
RWD6-0075	19	27	7	0.46	Stocked

Common Applications:

Medium duty extruded hose specially designed for the transfer of hot water in a vehicle heating system. Manufactured to SAE J20R3 for excellent service life in all vehicles.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement: Braided synthetic cord.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding.

White Totalrubber© print.

Temperature Range:

-25 °C to + 98 °C



RWS1 WATER SUCTION

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWS1-0075	19	31	10	-	Stocked
RWS1-0100	25	36	10	0.76	Stocked
RWS1-0125	32	43	10	0.92	Stocked
RWS1-0150	38	49	10	1.20	Stocked
RWS1-0175	44	56	10	1.48	Stocked
RWS1-0200	51	63	10	1.79	Stocked
RWS1-0225	57	70	10	1.90	Stocked
RWS1-0250	64	77	10	2.27	Stocked
RWS1-0300	76	89	10	2.65	Stocked
RWS1-0350	89	102	10	3.50	Stocked
RWS1-0400	102	118	10	5.10	Stocked
RWS1-0450	114	132	10	6.50	Stocked
RWS1-0500	127	146	10	8.10	Stocked
RWS1-0600	152	170	5	9.30	Stocked
RWS1-0800	204	223	5	14.60	Stocked
RWS1-1000	254	282	5	19.20	Stocked
RWS1-1200	305	335	5	25.60	Stocked

Common Applications:

A medium duty suction hose suitable for use in agricultural, construction and mining industries.

The hose is suitable for water, sea water and light slurry in both negative and positive pressure applications.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Braided synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding.

Green/Yellow Totalrubber© print.

Temperature Range:

-20 °C to + 80 °C



RWS2 CONTRACTORS SUCTION

Lengths = 3mt/6mt & 20mt On Request.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWS2-0300	76	95	10	3.52	Stocked
RWS2-0400	102	123	10	4.59	Stocked
RWS2-0600	152	176	10	7.86	Stocked
RWS2-0800	204	240	10	11.70	Stocked
RWS2-1000	254	290	10	16.70	Stocked
RWS2-1200	305	-	10	-	Stocked

Common Applications:

Highly flexible corrugated rubber hose suitable for the transfer of water in negative pressure applications. Lengths incorporate cuffed ends for ease of inserting hose fitting.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: Black corrugated synthetic rubber, abrasion and weather resistant.

Branding.

Green/Black Totalrubber© stripe.

Temperature Range:

-35 °C to + 70 °C



RWS2-HD H.D. CONTRACTORS SUCTION

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RWS2-0400HD	102	118	10	5.10	Stocked
RWS2-0600HD	152	170	10	9.30	Stocked
RWS2-0800HD	204	223	10	14.60	Stocked

Common Applications:

A heavier duty contractor suction hose suitable for use in agricultural, construction and mining industries. The hose is suitable for water, sea water and light slurry in both negative and positive pressure applications. Lengths incorporate cuffed ends for ease of inserting hose fitting. Smooth cover.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Braided synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding.

Green/Yellow Totalrubber© print.

Temperature Range:

-20 °C to + 80 °C



Common Applications:

Tried, tested and proven in large bore de-watering applications over many industries including irrigation, mining, construction and hire.

Extruded nitrile and circular woven Polyester/ Nylon reinforced hose with very low expansion and elongation properties.

PM/PM PUMPMASTER H.D. LAYFLAT

Lengths = 100mt/200mt. (Other Lengths Available).

Section	Code	I.D.mm	O.D.mm	W.P Bar	Availability
Layflat/De-Watering	PM/PM-0150	38	42	10	Stocked
Layflat/De-Watering	PM/PM--200	52	56	10	Stocked
Layflat/De-Watering	PM/PM-0250	65	69	10	Stocked
Layflat/De-Watering	PM/PM-0300	75	81	10	Stocked
Layflat/De-Watering	PM/PM-0400	100	108	10	Stocked
Layflat/De-Watering	PM/PM-0600	150	156	10	Stocked
Layflat/De-Watering	PM/PM-0800	200	206	10	Stocked
Layflat/De-Watering	PM/PM-1000	250	257	8	Stocked

PM/IR TRAVELLING IRRIGATOR LAYFLAT

Lengths = 100mt/150mt/200mt.

Section	Code	I.D.mm	O.D.mm	W.P Bar	Kg/mt	End Pull Kg/s	Availability
Layflat/De-Watering	PM/IR-0250	65	69	15	.850	3100	Request
Layflat/De-Watering	PM/IR-0300	75	81	15	1.10	4700	Request
Layflat/De-Watering	PM/IR-0350	90	98	15	1.30	5300	Request
Layflat/De-Watering	PM/IR-0400	100	108	15	1.60	9000	Stocked
Layflat/De-Watering	PM/IR-0450	114	122	15	1.75	10200	Request
Layflat/De-Watering	PM/IR-0500	125	134	15	1.90	12500	Request
Layflat/De-Watering	PM/IR-0600	150	158	15	2.25	17600	Request

Common Applications:

- Travelling Irrigation Applications (Drag Travellers)
- Linear move supply lines
- Flexible pipeline
- Slurry, sludge and liquid manure pumping.
- Heavy duty dredge discharge.
- Applications that require high resistance to abrasion.

Extruded nitrile and circular woven Polyester/Nylon reinforced hose with very low expansion and elongation properties to eliminate snaking.

Manufactured to ASAE394/1A 177

Temperature Range:
-35 °C to + 90 °C





RPD1 PETROLEUM DELIVERY

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RPD1-0075	19	30	10	0.58	Stocked
RPD1-0100	25	36	10	0.64	Stocked
RPD1-0125	32	44	10	0.88	Stocked
RPD1-0150	38	48	10	1.07	Stocked
RPD1-0175	44	54	10	1.36	Stocked
RPD1-0200	51	61	10	1.43	Stocked
RPD1-0250	64	74	10	1.81	Stocked
RPD1-0300	76	88	10	2.39	Stocked
RPD1-0400	102	114	10	3.75	Stocked

Common Applications:

Medium duty mandrel built hose suited for the transfer of oil and petroleum based products up to 30% aromatic content.

Wrapped Construction

Tube Black smooth Nitrile rubber, 50% aromatic content.

Reinforcement: Plies of high strength synthetic cord with copper anti-static wire.

Cover:

Black smooth oil resistant rubber.

Branding.

Brown Totalrubber© stripe.

Temperature Range:

-20 °C to + 80 °C



RPD2 SAE30R7 - FUEL LINE

Coil Lengths = 20mt/200mt. (Spools)

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RPD2-0012	3	10	5	0.12	Stocked
RPD2-0019	5	12	5	0.16	Stocked
RPD2-0025	6	13	5	0.17	Stocked
RPD2-0031	8	14	5	0.19	Stocked
RPD2-0038	10	16	5	0.22	Stocked
RPD2-0050	12	20	5	0.30	Stocked

Common Applications:

Designed for use in vehicle fuel systems for the transfer of petroleum product under low pressure.

Wrapped Construction

Tube Black smooth Nitrile rubber, 30% aromatic content.

Reinforcement:

Braided synthetic cord.

Cover:

Black smooth synthetic fuel and oil resistant rubber.

Branding.

White Totalrubber© printing.

Temperature Range:

-35 °C to + 100 °C



RPS1 PETROLEUM SUCTION

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RPS1-0075	19	28	10	0.50	Stocked
RPS1-0100	25	36	10	0.95	Stocked
RPS1-0125	32	43	10	1.11	Stocked
RPS1-0150	38	49	10	1.27	Stocked
RPS1-0175	44	56	10	1.50	Stocked
RPS1-0200	51	63	10	1.90	Stocked
RPS1-0225	57	70	10	2.27	Stocked
RPS1-0250	64	77	10	2.38	Stocked
RPS1-0300	76	89	10	3.15	Stocked
RPS1-0350	89	102	10	3.50	Stocked
RPS1-0400	102	118	10	4.86	Stocked
RPS1-0450	114	132	10	6.50	Stocked
RPS1-0500	127	146	10	6.82	Stocked
RPS1-0600	152	170	10	8.95	Stocked
RPS1-0800	204	223	4	12.93	Stocked
RPS1-1000	254	-	4	-	Request

Common Applications:

Heavy duty suction and discharge hose suited for the transfer of oil and petroleum based products up to 50% aromatic content in both positive and negative pressure applications.

Wrapped Construction

Tube Black smooth Nitrile rubber, 50% aromatic content.

Reinforcement:

Plies of high strength synthetic cord incorporating a steel wire helix.

Cover:

Black smooth oil resistant rubber.

Branding.

Brown Totalrubber stripe.

Temperature Range:

-20 °C to + 80 °C



RPS4 MARINE EXHAUST

Lengths = 20mt. (Also Available In Smooth Cover). Lloyds Approved.

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
RPS4-0100	25	-	3	0.56	85	Stocked
RPS4-0125	32	-	3	0.63	100	Stocked
RPS4-0150	38	-	3	0.73	120	Stocked
RPS4-0175	44	-	3	0.86	135	Stocked
RPS4-0200	51	-	3	1.06	145	Stocked
RPS4-0225	57	-	3	1.20	170	Stocked
RPS4-0238	60	-	3	1.26	180	Stocked
RPS4-0250	64	-	3	1.30	190	Stocked
RPS4-0275	70	-	3	1.37	210	Stocked
RPS4-0300	76	-	3	1.46	235	Stocked
RPS4-0350	89	-	3	1.71	290	Stocked
RPS4-0400	102	-	3	2.05	340	Stocked
RPS4-0450	114	-	3	2.41	410	Stocked
RPS4-0500	127	-	3	2.58	455	Stocked
RPS4-0600	152	-	3	2.97	575	Stocked
RPS4-0800	204	-	3	3.62	775	Stocked

Common Applications:

Lightweight highly flexible suction and discharge hose suited for the transfer of marine exhaust and sea water mixture. Complies with: Nordic Boat Standard MC-9, DNV Lloyds and VTT-National Maritime Sweden.

Wrapped Construction

Tube Black smooth exhaust gas resistant.

Reinforcement:

Plies of high strength synthetic cord incorporating a steel wire helix.

Cover:

Black corrugated ozone and oil resistant rubber.

Branding:

White Totalrubber® printing.

Temperature Range:

-30 °C to + 100 °C



RGD1 TWINWELD OXY/LPG

Lengths = 20mt/100mt/200mt

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RGD1-0019	5	12	17	0.31	Stocked
RGD1-0024	6	14	17	0.40	Request
RGD1-0038	10	18	17	0.56	Stocked

Conforms to Australian Standards: AS1335 1995 1.2MPA. & AS1869 1991 1.2MPA.

Common Applications:

Dual extruded medium pressure hose suitable for the transfer of oxygen and LPG for welding and gas cutting applications.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Braided synthetic cord.

Cover: Blue/Orange smooth synthetic rubber, abrasion and weather resistant.

Branding:

White Totalrubber® print.

Temperature Range:

-35 °C to + 70 °C



RGD2 TWINWELD OXY/ACC

Lengths = 20mt/100mt/200mt

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RGD2-0019	5	12	17	0.31	Stocked
RGD2-0025	6	14	17	0.40	Stocked
RGD2-0038	10	18	17	0.56	Stocked

Conforms to Australian Standards: AS1335 1995 1.2 MPA.

Common Applications: Dual extruded medium pressure hose suitable for the transfer of oxygen and acetylene gas for welding and gas cutting applications.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement:

Braided synthetic cord.

Cover: Blue/Red smooth synthetic rubber, abrasion and weather resistant.

Branding:

White Totalrubber® print.

Temperature Range:

-35 °C to + 70 °C



RGD3

SOLOWELD BLUE OXY

Lengths = 20mt/100mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RGD3-0019	5	12	17	0.15	Stocked
RGD3-0025	6	14	17	0.19	Stocked
RGD3-0031	8	16	17	0.24	Request
RGD3-0038	10	18	17	0.28	Stocked

Common Applications:

Extruded medium pressure hose suitable for the transfer of oxygen gas for welding and gas cutting applications.

Conforms to AS1335 1995 1.2MPA.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement: Braided synthetic cord.

Cover: Blue smooth synthetic rubber, abrasion and weather resistant.

Branding: White Totalrubber© print.

Temperature Range: -35 °C to + 70 °C



RGD4

SOLOWELD RED OXY

Lengths = 20mt/100mt. (Spools)

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RGD4-0019	5	12	17	0.15	Stocked
RGD4-0025	6	14	17	0.19	Stocked
RGD4-0031	8	16	17	0.24	Stocked
RGD4-0038	10	18	17	0.28	Stocked

Common Applications:

Extruded medium pressure hose suitable for the transfer of acetylene gas for welding and gas cutting applications.

Conforms to AS1335 1995 1.2MPA.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement: Braided synthetic cord.

Cover: Red smooth synthetic rubber, abrasion and weather resistant.

Branding: White Totalrubber© print.

Temperature Range: -35 °C to + 70 °C



RGD5

SOLOWELD ORANGE LPG

Lengths = 20mt/100mt/200mt (Spools)

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RGD5-0019	5	12	17	0.15	Stocked
RGD5-0025	6	14	17	0.19	Stocked
RGD5-0031	8	16	17	0.24	Request
RGD5-0038	10	18	17	0.28	Stocked

Common Applications:

Extruded medium pressure hose suitable for the transfer of LPG gas for welding and gas cutting applications.

Conforms to AS1869/C1991 1.2MPA.

Extruded Construction

Tube Black smooth synthetic rubber.

Reinforcement: Braided synthetic cord.

Cover: Orange smooth synthetic rubber, abrasion and weather resistant.

Branding: White Totalrubber© print.

Temperature Range: -35 °C to + 70 °C



RGD6

SOLOWELD BLACK ARGON

Lengths = 20mt/200mt. (Spools)

Code	I.D.mm	O.D.mm	W.P Bar	Availability
RGD6-0019	5	12	20	Stocked

Used for welding / cutting purpose.

Common Applications:

Used for welding / cutting purpose. LPG hose can also be used for connecting liquid bottles to appliances. BS, ISO, DIN, AS.

Extruded Construction

Tube: Black synthetic rubber blend.

Reinforcement: High strength polyester yarn.

Cover: Black weather resistant rubber.

Branding: White Totalrubber© print.

Temperature Range: -25°C to + 75°C



RCS3 UHMWPE CHEMICAL SUCTION

Coil Lengths = 20mt/Others Available On Request

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
RCS3-0075	19	31	16	0.66	65	Stocked
RCS3-0100	25	38	16	0.80	70	Stocked
RCS3-0125	32	44	16	0.90	90	Stocked
RCS3-0150	38	51	16	1.25	100	Stocked
RCS3-0200	51	65	16	1.66	135	Stocked
RCS3-0250	64	78	16	2.10	170	Stocked
RCS3-0300	76	92	16	2.72	205	Stocked
RCS3-0400	102	118	16	4.08	275	Stocked

Common Applications:

Special multi-purpose food quality suction and delivery hose, suitable for oily or fatty foods.

Excellent for beer, wine, spirits up to 98% concentration. Also suitable for conveying a wide range of chemicals.

Tube.

White smooth, ultra high molecular weight polyethylene, (UHMWPE), meets FDA standards.

Reinforcement:

High strength synthetic cord plus wire helix and anti-static copper wire.

Cover:

Blue smooth wrapped EPDM/SBR rubber, abrasion and weather resistant.

Branding: Totalrubber© stripe.

Temperature Range:

-20 °C to + 80 °C



SA/HRPSG PROTECTOR - SUCTION/DISCHARGE

Coil Lengths = 100 ft/Others Available

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Vac mm hg	Bend Rad mm	Coil Lgth Ft	Availability
SA/HRPSG012	-	-	-	-	-	-	100	Stocked
SA/HRPSG025	25	38.8	-	-	-	-	100	Stocked
SA/HRPSG040	40	54.7	10	1.42	736	150	100	Stocked
SA/HRPSG050	50	67.3	10	2.00	736	170	100	Stocked
SA/HRPSG063	63	80.8	10	2.68	736	200	100	Stocked
SA/HRPSG075	75	95.13	10	3.65	736	225	100	Stocked
SA/HRPSG100	100	120.6	10	5.10	736	300	100	Stocked

Common Applications:

Engineered to handle a wide variety of applications. Rated for full suction and discharge

Tube.

White FDA butyl.

Reinforcement: Two fabric spirals with helix wire.

Cover: EPDM weather resistant rubber.

Branding.

Yellow/Black Totalrubber© stripe.

Temperature Range:

-40 °C to + 110 °C
(+ 120 °C intermittent)



SA/HRSSW SENTRY SOFTWALL - DISCHARGE

Coil Lengths = 100 ft/Others Available

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Vac mm hg	Bend Rad mm	Coil Lgth Ft	Availability
SA/HRSSW040	40	54.7	17.5	1.20	-	-	100	Stocked
SA/HRSSW050	50	67.3	17.5	1.65	-	-	100	Stocked
SA/HRSSW063	63	80.8	17.5	2.95	-	-	100	Stocked
SA/HRSSW075	75	95.13	17.5	3.65	-	-	100	Stocked

Common Applications:

Softwall design for extra flexibility and handling ease. Ultra-lightweight.

Designed exclusively for discharge service when structural rigidity is not needed.

Chemically resistant to mild caustic solutions.

High pressure rated.

Ideally suited for overhead CIP wash units.

Tube. White butyl.

Reinforcement: Two fabric spirals.

Cover: EPDM.

Branding. Blue/Yellow stripe.

Temperature Range: -40 °C to + 110 °C (continuous)
(+ 120 °C intermittent)



SA/HRTSD

CHALLENGER - TEFLON SUCTION/DELIVERY

Coil Lengths = 100ft/Other Lengths Available.

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Vac mm hg	Bend Rad mm	Coil Lgth Ft	Availability
SA/HRTSD012	-	-	-	-	-	-	100	Request
SA/HRTSD020	20	31.7	-	-	-	-	100	Stocked
SA/HRTSD025	25	38.8	10	1.24	736	85	100	Stocked
SA/HRTSD040	40	54.7	10	1.37	736	110	100	Stocked
SA/HRTSD050	50	67.3	10	1.98	736	170	100	Request
SA/HRTSD063	63	80.8	10	2.83	736	210	100	Stocked
SA/HRTSD075	75	95.13	10	3.35	736	320	100	Stocked
SA/HRTSD100	100	120.6	10	3.95	736	520	100	Stocked

Common Applications:

Premium quality with smooth, non-stick, chemically inert FEP Teflon lining.
Does not impart taste or odour.
Dual helix with static dissipated wire provides full vacuum, excellent flexibility and added safety when electrical continuity is required.

Excellent chemical resistance.
Durable and kink-resistant.

Tube.

White FEP/Teflon.

Reinforcement:

Two fabric spirals with dual wire helix and static wire.

Cover: EPDM weather resistant rubber.

Branding.

White/Green stripe.

Temperature Range:

-40 °C to + 177 °C



RBD1

BREWERS DELIVERY

Coil Lengths = 20mt (Also Available In Black RBD2)

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Availability
RBD1-0100	25	38	10	1.30	Stocked
RBD1-0125	32	47	10	1.50	Stocked
RBD1-0150	38	50	10	1.80	Stocked
RBD1-0200	51	65	10	2.30	Stocked
RBD1-0250	64	79	10	2.80	Stocked
RBD1-0300	76	92	10	3.40	Stocked
RBD1-0400	102	115	10	4.20	Stocked
RBD1-0600	152	168	10	-	Stocked

Also available in Black (RBD2)

Common Applications:

Medium duty mandrel built hose suitable for the transfer of wine, beer, potable water and other food stuffs.

Not suitable for oily or fatty foods.

Wrapped Construction

Tube Red smooth food quality synthetic rubber.
F.D.A approved.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Red smooth synthetic rubber, abrasion and weather resistant.

Branding.

Red/White Totalrubber® stripe.

Temperature Range:

-35 °C to + 70 °C



RBS1

BREWERS SUCTION

Coil Lengths = 20mt. (Also Available In Black RBS2)

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
RBS1-0100	25	41	10	1.48	150	Stocked
RBS1-0125	32	48	10	1.73	195	Request
RBS1-0150	38	54	10	2.01	230	Stocked
RBS1-0200	51	65	10	2.73	310	Stocked
RBS1-0250	64	81	10	3.33	510	Request
RBS1-0300	76	93	10	3.79	610	Stocked
RBS1-0400	102	120	10	5.03	820	Stocked
RBS1-0600	152	176	-	-	-	Stocked

Also available in Black on request (RBS2)

Common Applications:

Mandrel built suction and delivery hose suitable for the transfer of wine, beer, potable water and other foodstuffs.
Not suitable for oily or fatty foods.

Wrapped Construction

Tube Red smooth food quality synthetic rubber
F.D.A approved.

Reinforcement:

Plies of high strength synthetic cord incorporating a steel wire helix.

Cover:

Red smooth synthetic rubber, abrasion and weather resistant.

Branding.

White/Red Totalrubber® stripe.

Temperature Range:

-35 °C to + 70 °C



RBS3

BEVERAGE MASTER

Coil Lengths = 20mt, 30.5mt, 40mt & 61mt

Code	I.D.mm	O.D.mm	W.P Bar	Kg/mt	Availability
RBS3-0100	25	39	18	0.99	Stocked
RBS3-0125	32	48	18	1.39	Stocked
RBS3-0150	38	54	18	1.63	Stocked
RBS3-0200	51	70	18	2.44	Stocked
RBS3-0250	64	83	18	2.93	Stocked
RBS3-0300	76	96	18	4.30	Stocked
RBS3-0400	102	129	18	7.00	Request

Common Applications:

This special mandrel built hose incorporates a nylon helix creating a "crush resistant" lightweight suction transfer hose.

Ideally suited for tank truck food, milk and wine transfer where the possibility of the hose being accidentally crushed is high.

Wrapped Construction

Tube White smooth Butyl rubber F.D.A approved.

Reinforcement: Plies of high strength synthetic cord incorporating a nylon helix.

Cover: White/Grey smooth EPDM rubber.

Branding: Blue/White Totalrubber© stripe.

Temperature Range: -40 °C to + 120 °C



RBS4

FOODLITE

Lengths = 20mt/40mt.

Code	I.D. mm	O.D. mm	W.P Bar	Kg/mt	Bend Rad mm	Availability
RBS4-0100	25	39	6	0.63	50	Stocked
RBS4-0125	32	48	6	0.97	64	Stocked
RBS4-0150	38	54	6	1.10	76	Stocked
RBS4-0200	51	70	6	1.40	102	Stocked
RBS4-0250	64	83	6	2.00	128	Stocked
RBS4-0300	76	96	6	2.14	152	Stocked
RBS4-0400	102	129	6	2.90	356	Stocked

Common Applications:

Extremely lightweight and flexible suction and discharge hose suitable for use with wine, beer and other foodstuffs.

Ideally suited for tanker discharge. Suitable for use with milk.

Wrapped Construction

Tube White smooth food quality synthetic rubber F.D.A approved.

Reinforcement: Plies of high strength synthetic cord incorporating a multiple steel wire helix.

Cover: Blue smooth synthetic rubber, abrasion and weather resistant.

Branding: White/Blue Totalrubber© stripe.

Temperature Range: -40 °C to + 80 °C (Detergent steam up to 100°C for some minutes.)



RBS6

CHOCOLATE SUCTION

Lengths = 20mt/40mt.

Code	I.D. mm	O.D. mm	W.P Bar	Kg mt	Bend Rad mm	Availability
RBS6-0075	19	31	10	-	-	Request
RBS6-0100	25	37	10	0.75	55	Stocked
RBS6-0125	32	44	10	0.90	70	Stocked
RBS6-0150	38	52	10	1.25	80	Stocked
RBS6-0200	51	65	10	1.61	110	Stocked
RBS6-0250	64	79	10	2.17	140	Stocked
RBS6-0300	76	92	10	2.79	170	Stocked
RBS6-0400	102	122	10	4.64	220	Stocked
RBS6-0600	152	-	10	-	-	Request

Common Applications:

Premium quality mandrel built food suction and delivery hose suitable for a large range of foodstuffs including oily and fatty foods.

Wrapped Construction

Tube White smooth food quality synthetic rubber, taste free and odourless, F.D.A approved.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: White smooth food quality synthetic rubber, taste free and odourless, F.D.A approved.

Branding. Red/White Totalrubber© stripe.

Temperature Range: -40 °C to + 120 °C



RSD1

BLACK STEAM 8

Coil Lengths = 20mt/Others Available On Request

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Availability
RSD1-0050	12	25	8	0.40	Request
RSD1-0075	19	32	8	0.58	Request
RSD1-0100	25	38	8	0.72	Request
RSD1-0125	32	47	8	1.00	Request
RSD1-0150	38	54	8	1.20	Stocked
RSD1-0200	51	68	8	1.68	Request

Common Applications: Mandrel built rubber steam supply hose recommended for use with saturated steam at a maximum working pressure of 8 Bar (120psi).

Safety Warning:

Exposure to steam is dangerous. If not properly controlled, steam can cause damage to property, serious injury and even death. You must select the proper steam hose for the given application. Also appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety.

Wrapped Construction

Tube: Black smooth EPDM, heat resistant rubber.

Reinforcement: Plies of high strength synthetic cord.

Cover: Black smooth EPDM, heat resistant rubber.

Branding: Red/Black Totalrubber stripe.

Temperature Range: -40 °C to + 170°C



RSD2

XTREME STEEL STEAM

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RSD2-0050	13	25	17	0.53	Stocked
RSD2-0075	19	32	17	0.68	Stocked
RSD2-0100	25	39	17	0.90	Stocked
RSD2-0125	32	46	17	1.30	Stocked
RSD2-0150	38	54	17	1.60	Stocked
RSD2-0200	51	67	17	2.20	Request

Common Applications:

Mandrel built high pressure wire braided steam hose designed for service with saturated steam at a maximum pressure of 12BAR (250psi). Not recommended for use on steam cleaners.

Safety Warning:

Exposure to steam is dangerous. If not properly controlled, steam can cause damage to property, serious injury and even death. You must select the proper steam hose for the given application. Also appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety.

Wrapped Construction

Tube Black smooth EPDM heat resistant rubber.

Reinforcement: Plies of steel wire cord

Cover: Red smooth EPDM heat resistant rubber.

Branding: Sunflex SH250 imprint.

Temperature Range: -40 °C to + 236 °C



RSD3

GREASEPROOF STEAM

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RSD3-0050	13	23	6	0.35	Stocked
RSD3-0075	19	31	6	0.40	Stocked
RSD3-0100	25	39	6	1.00	Stocked

Common Applications:

Mandrel built rubber steam supply hose for use in greasy or oily areas such as abattoirs and food processing. Recommended for use with saturated steam at a maximum working pressure of 6BAR (87psi).

Safety Warning:

Exposure to steam is dangerous. If not properly controlled, steam can cause damage to property, serious injury and even death. You must select the proper steam hose for the given application.

Also appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety.

Wrapped Construction

Tube Black smooth FDA quality EPDM heat resistant rubber.

Reinforcement: Plies of high strength synthetic cord.

Cover: White smooth synthetic grease-proof rubber.

Branding: embossed.

Temperature Range: -40 °C to + 164 °C



RSD4

NON-CONDUCTIVE STEAM

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Availability
RSD4-0075	19	31	6	Stocked
RSD4-0100	25	39	6	Stocked
RSD4-0125	32	46	6	Stocked
RSD4-0150	38	54	6	Stocked
RSD4-0200	51	66	6	Request

Common Applications:

Mandrel built high pressure wire braided steam hose designed for service with superheated steam at a maximum pressure of 6BAR.
Not recommended for use on steam cleaners.

Safety Warning:

Exposure to steam is dangerous. If not properly controlled, steam can cause damage to property, serious injury and even death. You must select the proper steam hose for the given application. Also appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety.

Wrapped Construction

Tube Black smooth FDA EPDM heat resistant rubber.

Reinforcement: Plies of high strength sunthetic cord.

Cover: Blue smooth FDA EPDM heat resistant rubber.

Branding: Yellow/Red Totalrubber© stripe.

Temperature Range: -40 °C to + 170 °C

Hose installation

Be certain to use hose coupling designed for steam service. Steam hose couplings use a bolt-on external clamp which can be re-tightened as necessary over the service life of the hose. Follow the coupling manufacturer's instructions for correct attachment. Check tightness with each use.

Avoid extreme bending of the hose near the coupling. Provide a suitable means of storing the hose when not in use. A permanent rack or tray will minimise the damage to the hose in storage. Do not hang the hose on a hook, nail or other device which could cut or damage the hose. Hose should be drained after use.

Periodic maintenance and control of steam hose.

All steam hoses are expected to wear out in time. It is important to continually be on the look out for hose that has deteriorated to the point where it can no longer provide safe service.

The operator should be aware of the following signs of trouble:

- Lumps or blisters in the cover.
- Cuts in the outside of the hose which expose the reinforcement.
- Steam leakages at the coupling ends or anywhere along the length of the hose.
- Flattened or kinked areas which have damaged the hose.
- A reduction of steam flow indicating that the tube is swelling.

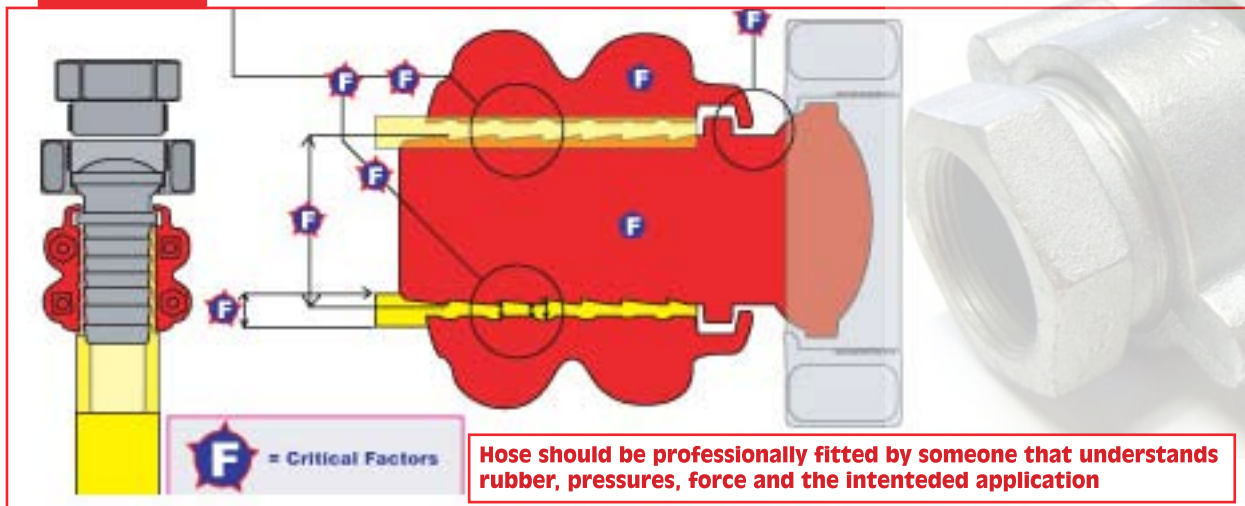
When any of the above appear it is good safety practice to immediately remove the hose from service. Once removed the hose can be inspected before further use. Steam hose failures frequently occur near the ends due to flexing and strain at the couplings. In these cases the chosed can usually be cut back and recoupled, providing additional service life. Hose used in continuous high pressure/temperature service should be inspected periodically for signs of tube hardening. In most cases it is necessary to remove a coupling for tube inspection.

WARNING NOTE!!!!

There are many critical factors when fitting the ground joint couplings

Air & Steam

If this is incorrectly fitted, it will pose **SERIOUS** danger to anyone using or working around the hose.



Hose should be professionally fitted by someone that understands rubber, pressures, force and the intended application



RHD1

BLAST-OFF SANDBLAST

Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RHD1-0050L	12	28	10	0.51	Stocked
RHD1-0050	12	34	10	0.70	Stocked
RHD1-0075	19	33	10	0.70	Stocked
RHD1-0100	25	48	10	1.65	Stocked
RHD1-0125L	32	48	10	1.44	Stocked
RHD1-0125	32	55	10	2.26	Stocked
RHD1-0150L	38	60	10	2.17	Stocked
RHD1-0150	38	64	10	2.43	Stocked
RHD1-0200	51	76	10	2.91	Stocked
RHD1-0300	76	102	10	5.38	Stocked

Common Applications:

Long lasting heavy duty hose exceptionally tough and abrasion resistant for use in the abrasive blasting industry.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Black smooth synthetic rubber, abrasion and weather resistant.

Branding.

Yellow Totalrubber© stripe.

Temperature Range:

-35 °C to + 70 °C



RHD2

ABRASIVE DELIVERY

Lengths = 10mt/20mt/Others On Request

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RHD2-0300	76	96	10	4.10	Stocked
RHD2-0400	102	121	10	5.42	Stocked
RHD2-0500	127	157	10	8.56	Request

Common Applications:

Mandrel built rubber discharge hose. The heavy duty abrasion resistant tube makes it ideal for the transfer of slurry and dry cement in low pressure applications.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

Black smooth synthetic rubber, abrasion and weather resistant.

Branding.

Yellow Totalrubber© stripe.

Temperature Range:

-35 °C to + 70 °C



RHD3

XTREME STEEL CONCRETE DEL

Length = 61mt. (Assemblies Available)

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
RHD3-0200	51	70	85	3.41	508	Request
RHD3-0250	64	87	85	4.97	635	Request
RHD3-0300	76	98	85	6.58	762	Request
RHD3-0400	102	128	85	9.38	400	Request
RHD3-0500	127	153	85	10.95	500	Request

Common Applications:

Extra heavy duty steel wire reinforced mandrel built hose used for the placement of concrete to the casting location.

Extremely crush and suction resistant.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement:

Plies of high strength steel wire cord.

Cover:

Black smooth synthetic rubber, pin pricked, abrasion and weather resistant.

Branding.

Yellow Sunflex CPH1232 stripe.

Temperature Range:

-40 °C to + 70 °C



RHD4 CONCRETE DELIVERY

Lengths = 30mt. (Assemblies Available).

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RHD4-0200	51	68	40	1.90	Stocked
RHD4-0250	64	84	40	2.75	Stocked
RHD4-0300	76	98	40	3.60	Stocked
RHD4-0350	89	119	40	5.00	Stocked
RHD4-0400	102	130	40	5.75	Stocked

Common Applications:

Heavy duty fabric, reinforced mandrel built hose.

The thick abrasion resistant liner makes it ideal for the transfer and placement of concrete.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement: Plies of high strength synthetic cord.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding: Yellow Totalrubber© stripe.

Temperature Range:

-35 °C to + 70 °C



RHS1 MUFF COUPLING

Coil Lengths = 5mt/6mt/10mt/20mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RHS1-0200	51	71	7	4.90	Stocked
RHS1-0250	64	81	7	5.88	Stocked
RHS1-0300	75	103	7	6.90	Stocked
RHS1-0400	102	128	7	8.60	Stocked
RHS1-0500	127	157	7	8.95	Request
RHS1-0600	152	182	7	10.15	Stocked
RHS1-0800	204	236	7	14.80	Stocked
RHS1-1000	254	288	7	20.30	Stocked
RHS1-1200	305	344	7	34.36	Stocked
RHS1-1400	354	390	7	39.11	Stocked

Couplings Stocked < Please refer to our fittings catalogue.

Common Applications: Suction and delivery of abrasive slurry in mining and extractive industries. Muff Coupling hose has many advantages over conventional material handling hoses which have inbuilt flanges. These include

- Flexibility of length.
- Availability - on site cutting to length.
- Economical - reusable ends.
- Ease of installation - bolt holes can be aligned more easily.
- Can be used as a suction/delivery hose.

Twenty five years of use by the Australian Mining Industry has proven the versatility of Muff Coupling Hoses.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding: Yellow Totalrubber© stripe.

Temperature Range: -35 °C to + 70 °C



RHS3 R.C DRILL

Coil Lengths = 20mt/30mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RHS3-0200	51	-	35	3.89	Request
RHS3-0300	76	104	35	5.04	Stocked
RHS3-0400	102	136	35	7.78	Stocked

Common Applications:

This extremely heavy duty mandrel built suction and discharge hose was specially designed to transfer Earth samples from the reverse cycle drill rig to the cyclone.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding: Yellow Totalrubber© stripe.

Temperature Range: -35 °C to + 70 °C



RHS4 TRANSPORT COLLECTOR

Coil Lengths = 10mt/20mt.

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
RHS4-0300	76	90	3	2.16	450	Request
RHS4-0400	102	117	3	3.16	600	Stocked
RHS4-0500	127	145	3	4.43	850	Stocked
RHS4-0600	152	171	3	6.27	990	Stocked
RHS4-0800	204	226	3	8.80	1300	Stocked

Common Applications:

This lightweight mandrel built hose has a corrugated cover for extra flexibility. The abrasion resistant tube makes it ideal for use on dust collection machinery and sand recovery units.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: Black smooth synthetic rubber, abrasion and weather resistant.

Branding: Yellow Totalrubber© stripe.

Temperature Range: -35 °C to + 70 °C



RHS5 AIRSEEDER DELIVERY

Coil Lengths = 10mt/20mt.

Code	I.D. mm	O.D. mm	W.P Bar	Weight kg/mt	Bend Rad mm	Availability
*RHS5-0125	32	43	10	1.26	-	Stocked
RHS5-0150	38	49	10	1.46	230	Stocked
RHS5-0175	44	56	10	1.70	270	Stocked
RHS5-0200	51	63	10	1.84	310	Stocked
RHS5-0250	63	77	10	2.61	510	Stocked
RHS5-0300	76	88	10	3.20	610	Stocked

Common Applications:

Mandrel built suction and discharge hose with special abrasion resistant liner is designed for use as a primary and secondary supply line for agricultural airseeding machinery. It is also ideally suited as a lightweight slurry hose.

*Note. RHS5-0125 is a delivery hose only.

Wrapped Construction

Tube Black smooth abrasion resistant rubber.

Reinforcement: High strength synthetic cord, incorporating a steel wire helix.

***RHS5-0125 does not incorporate a steel helix.**

Cover: Black smooth EPDM weather resistant rubber.

Branding. Yellow/Black Totalrubber© stripe.

Temperature Range: -35 °C to + 70 °C



RFD1

FRAS DELIVERY

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RFD1-0050	12	23	20	0.37	Stocked
RFD1-0075	19	31	20	0.63	Stocked
RFD1-0100	25	37	20	0.78	Stocked
RFD1-0125	32	46	20	-	Stocked
RFD1-0150	38	52	20	1.20	Stocked
RFD1-0200	51	67	20	2.21	Stocked
RFD1-0250	64	81	20	3.37	Stocked
RFD1-0300	76	92	20	4.15	Stocked
RFD1-0400	102	122	20	5.50	Stocked

Common Applications:

Built to AS2660 Class B, this heavy duty fire resistant anti-static air hose is ideally suited for use in the coal mining industry and other high fire risk areas.

Wrapped Construction

Tube FRAS black smooth synthetic rubber, oil mist resistant.

Reinforcement:

Plies of high strength synthetic cord.

Cover:

FRAS black smooth synthetic rubber, abrasion and weather resistant.

Branding.

Orange/Black Totalrubber© stripe

Temperature Range:

-35 °C to + 70 °C



RFD2

FRAS CABLE TRAILING

Coil Lengths = 20mt/61mt.

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RFD2-0050	12	24	5	0.48	Stocked
RFD2-0063	16	27	5	0.59	Stocked
RFD2-0075	19	29	5	0.60	Stocked
RFD2-0100	25	35	5	0.75	Stocked
RFD2-0125	32	42	5	0.88	Stocked
RFD2-0150	38	48	5	1.08	Stocked
RFD2-0175	44	55	5	1.22	Stocked
RFD2-0200	51	60	5	1.38	Stocked

Common Applications:

Mandrel built low pressure delivery hose specially compounded to meet Australian Standards specification AS2660 for fire resistant and anti-static.

Ideally suited as an electrical conduit in the underground mining industry.

Wrapped Construction

Tube Black smooth synthetic rubber.

Reinforcement: Plies of high strength synthetic cord.

Cover: FRAS black smooth synthetic rubber, abrasion and weather resistant.

Branding:

Orange/Black Totalrubber© stripe

Temperature Range:

-30 °C to + 70 °C



RFS1

FRAS SUCTION

Coil Lengths = 20mt/61mt. (On Request).

Code	I.D.mm	O.D.mm	W.P Bar	Weight kg/mt	Availability
RFS1-0100	25	36	10	-	Stocked
RFS1-0200	51	65	10	2.10	Stocked
RFS1-0300	76	91	10	3.27	Stocked
RFS1-0400	102	118	10	5.18	Stocked

Common Applications:

Built to AS2660 Class B. This heavy duty fire resistant, anti-static suction hose is ideally suited for use in high fire risk industries.

Wrapped Construction

Tube FRAS black smooth synthetic rubber, oil mist resistant.

Reinforcement: Plies of high strength synthetic cord incorporating a steel wire helix.

Cover: FRAS black smooth synthetic rubber, abrasion and weather resistant.

Branding: Orange/Black Totalrubber© stripe

Temperature Range: -35 °C to + 70 °C

General

For best performance, a hose should be selected to meet the service conditions under which it is to be used; before deciding on the size, type and quality of the hose, complete information on the actual service requirements should be examined. The information selection guide below will be of assistance in compiling the information required.

1. Hose dimensions

- (a) I.D. Inside diameter.
- (b) O.D. Outside diameter.
- (c) length (state whether overall length or length excluding couplings).
- (d) tolerance limitations (if normal RMA tolerances can't be used).

3. Uncoupled hose ends

- (a) straight or enlarged.
- (b) capped or raw (uncapped).
- (c) soft ends or wire to end.

2. Type of Service

- (a) material to be conveyed through hose:-
 - 1. chemical name.
 - 2. concentration.
 - 3. temperature extremes (low and high).
- (b) working pressure (including surge).
- (c) suction or vacuum requirements (water column or inches of mercury).

4. Coupled hose fittings

- (a) type of fittings:-
 - 1. male or female.
 - 2. type of thread.
 - 3. non-re-attachable.
 - 4. re-attachable.

The **TOTALRUBBER®** range of rubber hose consists of two styles of construction:

1. Wrapped (hand built) construction

Tube, plies, reinforcing and cover are spirally wrapped by hand onto a rotating steel tube (mandrel), cured with steam, then removed. This type of construction produces a hose with a fabric like overlapping finish.



A
Non wire, textile reinforced it consists of a rubber tube, plies of synthetic cord.



C
Wire reinforced hose, smooth cover it has at least one wire added to the reinforcement component of the construction.



B
Non wire, steel reinforced it consists of a rubber tube, plies of steel cord.



D
Nylon reinforced hose, Single and double helix designed for better weight, flexibility and crush resistance.

2. Extruded (braided) construction

Tube, braid and cover are extruded and braided through a production line of machines in a continual single process. The product is cured using steam or hot sand, then coiled. This type of construction produces a hose with a smooth constant finish.



Non wire, braided hose consists of an extruded tube and cover with layers of braided synthetic cord.



Hose usage guide

Hose Life

We are often asked how long a length of hose may be expected to last and it is a question to which it is impossible to give a quantitative answer. We can however, consider the factors which may cause a hose to fail and it is convenient to break these down into chemical and mechanical failures, although the two factors frequently interact.

Mechanical

Industrial hoses frequently find themselves in mechanically damaging environments and deteriorating forces including but not limited to abrasion, impacts, tension, torsion, kinking, crushing and gouging.

The ability of a hose to resist such damage depends partly on the design of the hose and partly on the severity and frequency of the forces subjected on the hose. Common sense dictates that elimination or minimisation of abrasive conditions will prolong a hoses' life. Where it is impossible to avoid such conditions, the choice of a quality hose designed for the application will pay dividends. Quality costs money but in the long run, quality is money well spent.



Chemicals

Frequently, hoses are required to transport oils, acids or chemicals and it is important that the compounds used in the construction of the hose are suitable for the materials to be carried. The chart on the following pages provides a guide, but ultimately it is necessary to evaluate the hose in the field. Oils and solvents cause swelling of rubbers and may also extract constituents from the rubber compounds.



Probably the most important factor to remember when specifying a hose is: whatever the form of attack, it will be more rapid at higher temperatures; the rate of attack roughly doubles for every 10°C rise in temperature.

Hose life can be prolonged by draining the hose of its contents when not in use. **Rubber Hose should be used as a transfer device and not a storage device.**

Oxygen and ozone in the atmosphere also attack rubber, commonly known as weathering. Attack by ozone is particularly vicious even when present to the extent of only a few parts per million. Common exposure of hose to ozone comes from being in the vicinity of electric welding operations or of sparking electric motors and measures should be taken to minimise exposure to such conditions. Other oxidative elements sometimes present in the atmosphere (eg. Oxides of nitrogen or sulphur) can also be very damaging. Ozone is particularly damaging where a hose is under slight stress, eg. Over a coupling, at a kink or on the outside of a bend. The characteristics of ozone attack are the development of cracks across the line of stress.

Where a hose is failing rapidly in service, it is important to identify whether this is for mechanical or chemical reasons. A slight change in the operating conditions may be all that is required to remove the damaging influences.

Minimum Bend Radius

Tight radius bends impose stresses on the structure of the hose which may be sufficient to cause reduction in the performance (temperature/vacuum) of a hose. In extreme cases, over bending a hose can cause permanent deformation and damage to the product. A hoses' minimum bend radius depends on many factors of the construction including the thickness of the wall, the presence and strength of an embedded wire helix, the reinforcement method employed and the degree of reduction in performance which can be tolerated.

For consistency, a minimum bend radius should be measured to the inside surface of the bent hose and care should be taken to consider the tightest part of the bend.



Permeability

All rubber is to some degree permeable. A hose conveying a gas will always have a slight permeation through the hose wall. Blistering of the hose will occur due to trapped gas beneath the cover if the rate of the permeation through the lining is faster than the hose. To assist in the dispersion of this gas, hose covers are often 'pricked' during manufacturing.



Storage

Many of the above influences in deterioration are to be found in careless storing conditions. Ideally, hoses should be stored in a cool environment away from direct sunlight, sources of oil or chemical contamination and free from stresses (such as arise from stacking too high or coiling too tightly). Fluorescent or mercury lamps generate light waves harmful to rubber and should be avoided.



Technical Information

Pressure Drop of Air Through Rubber Hose

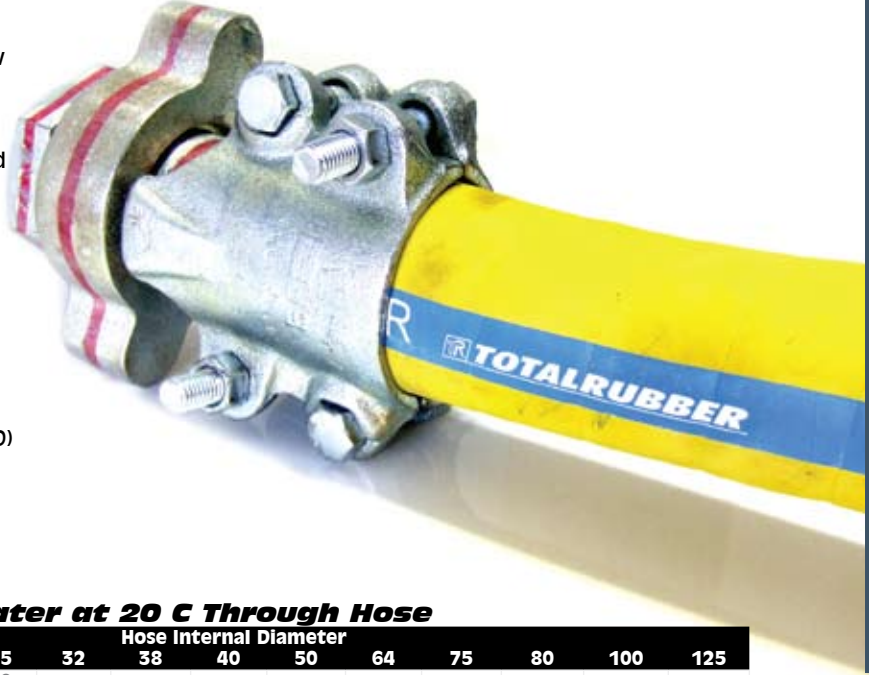
Size (mm)	Cu./m of Free Air							
	0.5	1.0	1.25	1.5	2.0	2.75	3.5	4.25
12.5	249	855	1325	-	-	-	-	-
19	-	215	350	505	895	1725	2745	-
25	-	-	-	-	250	465	755	1100
32	-	-	-	-	80	100	175	285
38	-	-	-	-	-	45	75	135

Size mm	Cu./m of Free Air											
	15	20	30	40	50	60	70	80	90	100	125	150
50	385	680	1530	2690	4230	-	-	-	-	-	-	-
64	160	270	565	1020	1630	2350	3170	4185	5270	-	-	-
76	-	-	215	330	520	745	1020	1335	1675	2035	3190	4590

Pressure Drop In Hoses

The following tables of pressure drops and flow rates are based on experimental data and may be considered typical of most hoses.

The data is based upon hoses laid out in a straight line and thus it must not be considered as an exact result that may be obtained at a given pressure. Variables such as hose fittings and bends increase the frictional losses and an estimate of their effect may be determined by adding an "equivalent" length" to the hose length.



Values of the equivalent length (Le) may be determined using the inside diameter (D) of the hose in the following relationships.

90 swept elbow - Le = 20D

90 square elbow - Le = 50D

45 square elbow - Le = 16D

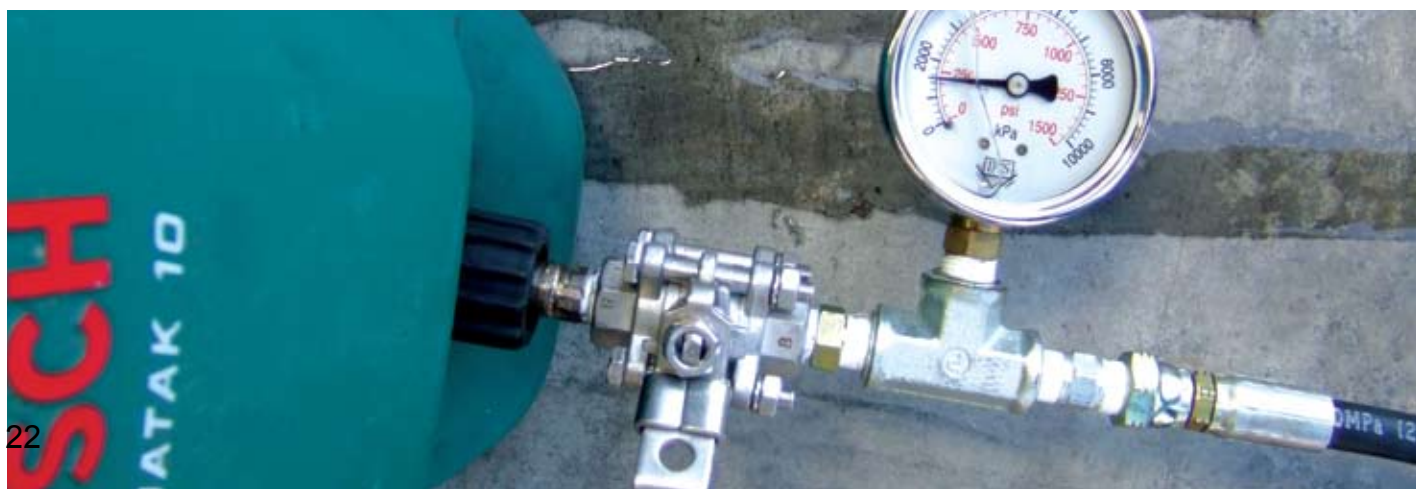
Hose coupling - Le = 5D

Pressure Drop (kPa/100m) Water at 20 C Through Hose

Flow Rate l/m	Hose Internal Diameter												
	12.5	16	19	25	32	38	40	50	64	75	80	100	125
25	1100	470	210	50	-	-	-	-	-	-	-	-	-
50	-	2440	770	200	90	30	-	-	-	-	-	-	-
100	-	-	2660	730	300	100	55	30	-	-	-	-	-
200	-	-	-	-	1030	405	285	95	25	-	-	-	-
300	-	-	-	-	-	900	650	210	65	20	-	-	-
400	-	-	-	-	-	-	1200	370	110	40	-	-	-
500	-	-	-	-	-	-	-	580	155	70	50	-	-
1000	-	-	-	-	-	-	-	-	575	230	180	55	-
2000	-	-	-	-	-	-	-	-	-	920	600	220	45
3000	-	-	-	-	-	-	-	-	-	2125	1400	490	100
4000	-	-	-	-	-	-	-	-	-	-	-	805	190
5000	-	-	-	-	-	-	-	-	-	-	-	1390	315

Volumetric Flowrate of Water Through 100m Hose (litre/min.)

Inlet Pressure (kPa)	Hose Internal Diameter (mm)													
	12.5	16	20	25	32	38	40	50	64	75	80	100	150	200
150	15.5	31	48	102	181	299	359	639	1145	1701	2079	3969	11482	24239
200	18.5	35	57	117	215	352	408	741	1342	2126	2457	4631	13466	28870
300	24	42	71	157	272	438	499	922	1663	2717	3071	5670	16727	35749
400	29.5	49	82	178	317	510	582	1081	1950	3189	3662	6710	19609	41675
500	33	56	93	200	355	575	658	1221	2200	3544	4064	7560	22047	46967
600	36	62	102	219	397	635	730	1349	2430	3936	4408	8269	24334	51739
700	38	69	111	238	427	688	801	1467	2646	4253	4772	9025	26413	56228
800	41	73	120	257	464	737	862	1576	2835	4631	5198	9686	28634	60480
900	43	77	127	272	491	783	919	1686	3013	4938	5576	10348	30335	64260
1000	45	82	134	291	522	828	972	1788	3187	5198	5906	11009	32036	67946
1250	52	93	149	333	586	937	1111	2015	3595	5826	6804	12521	36052	76592





Rubber Properties

Common Name	ASTM Designation	Composition	General Properties
Butyl	IIR	Isobutylene Isoprene	Excellent weathering resistance, low permeability to air and gasses, good physical properties, heat resistant, poor resistance to petroleum based fluids.
Cross Linked Polyethylene	XLPE	Cross Linked Polyethylene	Excellent resistance to a wide range of solvents, chemicals, acids and oils (including aromatic).
EPDM	EPDM	Ethylene Propylene Diene-terpolymer.	Excellent ozone, chemical and ageing characteristics. Poor resistance to petroleum based fluids, very good steam resistance.
EPR	EPM	Ethylene Propylene Copolymer	Excellent ozone, weathering, heat, chemical and ageing resistance, low permeability to water, not oil resistant.
Hypalon	CSM	Chloro-Sulphonated Polyethylene	Excellent weathering, ozone and acid resistance. Good heat and abrasion resistance and a fair resistance to petroleum based fluids.
Natural Rubber	NR	Isoprene Natural	Excellent physical properties, very good abrasion resistance. Acid resistant but not oil resistant.
Neoprene	CR	Chloroprene (Perbunan-C)	Excellent weathering resistance, flame retardant, good oil resistance and good physical properties.
Nitrile (Buna-N)	NBR	Nitrile Butadiene	Excellent oil resistance, moderate resistance to aromatics and good physical properties.
Polyacrylic	ACM	Acrylic Monomer	Excellent oil and tar resistance at high temperature.
SBR	SBR	Styrene Butadiene	Good physical properties, good abrasion resistance, poor resistance to petroleum based fluids.
Viton	FPM	Hexafluoro-Propylene	Excellent high temperature resistance, particularly in air and oil, very good chemical resistance.

CHEMICAL RESISTANCE CHART

KEY

- ✓ Recommended, little or no effect on tube compound, suitable for continuous use.
- ◆ Recommended, minor effect on tube compound, may be suitable for continuous service, suitable for intermittent service.
- ▽ Questionable, moderate to severe effect on tube, may be suitable for limited applications.
- X Not recommended.
- No data available, but not expected to perform better than rated compounds.



Note:
all compatibility is based at +21°C or room temperature.

aromatic solvents

benzene, cumene, p-cumene, naphthalene, toluene, xylene, cresol, styrene, cyclohexane and combinations.

alifatic solvents

propane, butane, pentane, hexane, heptane, dipentene, tripropylene.

ketonic solvents

acetone, methyl ketone, isobutyl ketone, methyl ethyl ketone, methyl isobutyl ketone.

esters solvents

butyl acetate, methyl acetate, anyl acetate isobutyl acetate

halogenous solvents

chloroform, dichlorobenzene, dichloroethylene, methylenbromide, methylen chloride, benzyl chloride, carbon tetrachloride, trichloroethylene, carbon disulphite, turpentine, perchloroethylene dichloroethane.

alcohols

methyl (wood spirits), ethyl, buthyl, anyl, isopropyl, decyl, sibutyl, diacetone,

ethyl hexanol amines

aniline, ethylene diamine, diethanol amine, triethanolamine, dimethyl amine, monoethanolamine

Chemicals and compounds change frequently. Please consult us if you are unable to find a match.

	epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe
acetaldehyde 50%	◆	✓	▽	◆	X	▽	▽	X	✓	-
acetic acid, glacial	◆	✓	▽	◆	▽	X	◆	▽	▽	✓
acetic acid 30%	◆	✓	◆	◆	X	◆	◆	▽	◆	✓
acetic anhydride	▽	◆	✓	◆	◆	◆	◆	X	✓	✓
acetone	◆	✓	◆	▽	X	▽	▽	X	✓	✓
acetyl chloride	X	X	X	X	X	X	X	✓	◆	✓
acetylene	◆	✓	◆	◆	◆	◆	◆	▽	✓	-
adipic acid	◆	✓	-	▽	◆	◆	◆	-	-	-
aluminum acetate	◆	✓	✓	✓	◆	◆	◆	X	✓	✓
aluminum chloride	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
aluminum fluoride	◆	✓	✓	◆	✓	✓	✓	✓	✓	-
aluminum nitrate	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
aluminum sulfate	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
ammonia anhydrous	▽	◆	▽	X	▽	X	X	X	✓	✓
ammonia gas (cold)	◆	✓	✓	✓	✓	✓	✓	X	✓	-
ammonia gas (hot)	▽	◆	◆	X	X	◆	X	X	✓	-
ammonium carbonate	◆	✓	-	✓	X	✓	✓	-	✓	-
ammonium chloride	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
ammonium hydroxide	▽	✓	✓	X	X	✓	X	◆	✓	✓
ammonium nitrate	◆	✓	◆	▽	✓	✓	✓	-	✓	-
ammonium nitrite	◆	✓	✓	✓	✓	✓	✓	-	✓	-
ammonium phosphate	◆	✓	✓	✓	✓	✓	✓	-	✓	✓
ammonium sulfate	◆	✓	✓	✓	✓	✓	✓	X	✓	✓
amyl acetate	X	▽	X	X	X	X	X	X	✓	▽
amyl alcohol	◆	✓	✓	◆	◆	◆	◆	◆	✓	✓
aniline	◆	✓	◆	◆	X	X	X	▽	✓	◆
aniline dyes	◆	✓	◆	◆	◆	◆	◆	◆	✓	◆
aniline hydrochloride	▽	◆	X	◆	◆	X	X	◆	✓	-
animal fats	▽	◆	◆	X	✓	◆	X	✓	✓	✓
aqua regia	X	▽	◆	X	X	X	X	◆	X	◆
arsenic acid	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
arsenic trichloride	X	▽	-	X	✓	-	-	X	-	-
asphalt	-	X	◆	X	◆	◆	X	✓	X	-
barium chloride	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
barium sulfate	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
barium sulfide	◆	✓	✓	✓	✓	◆	✓	✓	✓	✓
beer	◆	✓	✓	✓	✓	✓	✓	✓	-	✓
benzene	X	X	X	X	X	X	X	✓	✓	X
benzyl alcohol	◆	✓	◆	X	◆	X	✓	✓	-	-
benzyl benzoate	▽	◆	X	X	X	X	X	✓	-	-
benzyl chloride	X	X	X	X	X	X	X	✓	✓	X
benzoic acid	X	▽	X	X	▽	X	X	✓	✓	✓
bordeaux mixture	◆	✓	✓	◆	◆	◆	◆	✓	-	-
boric acid	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
brine	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
bromine-anhydrous	X	X	X	X	X	X	X	✓	X	-

	epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe
bromine trifluoride	X	X	X	X	X	X	X	X	X	-
bromine water	◆	◆	✓	X	X	X	X	✓	✓	✓
bromotoluene	X	X	X	X	X	X	X	✓	▽	X
bunker oil	X	X	X	X	✓	X	X	✓	✓	-
butadiene	X	▽	▽	X	X	X	X	✓	✓	-
butane	X	X	◆	X	✓	✓	X	✓	✓	◆
butter	◆	✓	◆	X	✓	◆	X	✓	✓	◆
butyl acetate	◆	✓	X	X	X	X	X	X	✓	◆
butyl alcohol	▽	◆	✓	✓	✓	✓	✓	✓	✓	✓
butyl amine	◆	✓	X	X	▽	X	X	X	-	◆
butyl benzoate	▽	◆	X	▽	X	X	◆	✓	✓	-
butyl cellosolve	◆	✓	◆	X	▽	▽	X	X	✓	✓
butyl stearate	X	▽	X	X	◆	X	X	✓	✓	◆
butyraldehyde	▽	◆	X	X	X	▽	X	X	✓	◆
calcium acetate	◆	✓	◆	✓	◆	◆	X	X	✓	✓
calcium bisulfite	X	✓	✓	◆	◆	✓	◆	✓	✓	✓
calcium chloride	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
calcium hydroxide	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
calcium hypochlorite	◆	✓	✓	✓	◆	✓	✓	✓	✓	✓
calcium nitrate	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
calcium sulfide	◆	✓	✓	◆	✓	✓	◆	✓	✓	✓
carbitol	▽	◆	◆	◆	◆	◆	◆	✓	✓	✓
carbolic acid (phenol)	▽	◆	X	X	X	▽	X	✓	✓	✓
carbon bisulfide	X	X	X	X	▽	X	X	✓	-	▽
carbon dioxide	▽	◆	◆	✓	✓	◆	◆	✓	✓	-
carbonic acid	◆	✓	◆	◆	◆	◆	◆	✓	✓	✓
carbon monoxide	◆	✓	◆	◆	◆	◆	◆	✓	✓	-
carbon tetrachloride	X	X	X	X	▽	X	X	✓	✓	X
castor oil	▽	◆	◆	◆	✓	✓	✓	✓	✓	✓
cellosolve	▽	◆	X	X	X	X	X	✓	✓	-
cellosolve acetate	▽	◆	X	X	X	X	X	✓	✓	-
chlorine (dry)	X	X	◆	X	X	▽	X	◆	▽	-
chlorine (wet)	X	▽	▽	X	X	▽	X	◆	▽	-
chlorine dioxide	X	▽	◆	X	X	X	X	✓	-	-
chloroacetone	◆	✓	◆	◆	X	▽	X	✓	X	✓
chloroacetic acid	◆	✓	✓	X	X	X	X	✓	-	-
chlorobenzene	X	X	X	X	X	X	X	✓	✓	X
chlorobutadiene	X	X	X	X	X	X	X	✓	-	-
chloroform	X	X	X	X	X	X	X	✓	◆	X
chlorotoluene	X	X	X	X	X	X	X	✓	◆	X
chrome plating solutions	▽	◆	X	X	X	X	X	✓	-	-
chromic acid	◆	✓	◆	X	X	▽	X	◆	✓	✓
citric acid	◆	✓	✓	✓	✓	✓	✓	✓	-	-
cobalt	◆	✓	✓	✓	✓	✓	✓	✓	✓	✓
cocanut oil	X	▽	▽	X	✓	◆	X	✓	✓	-
cod liver oil	◆	✓	◆	X	✓	◆	X	✓	✓	-

CHEMICAL RESISTANCE CHART

	epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe		epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe	
coke oven gas	X	X	✓	X	X	X	X	X	✓	-	ferric nitrate	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
copper acetate	♦	✓	✓	♦	♦	♦	X	X	✓	-	ferric sulfate	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
copper chloride	♦	♦	♦	♦	♦	♦	✓	✓	✓	♦	fish oil	X	X	-	X	✓	X	X	✓	✓	✓	✓
copper cyanide	♦	✓	✓	✓	✓	✓	✓	✓	✓	-	fluoroboric acid	♦	✓	✓	✓	♦	✓	✓	-	✓	✓	✓
copper sulfate	♦	✓	✓	♦	✓	✓	♦	✓	✓	✓	fluorobenzene	X	X	-	X	X	X	X	✓	✓	-	✓
corn oil	X	∇	♦	X	✓	∇	X	✓	✓	♦	fluorolube	♦	✓	✓	♦	✓	∇	♦	-	-	-	✓
cottonseed oil	♦	♦	♦	X	✓	♦	X	✓	✓	♦	fluosilic acid	∇	♦	✓	♦	✓	♦	∇	✓	♦	✓	✓
creosote (coal tar)	X	X	X	X	✓	♦	X	✓	✓	-	formaldehyde	♦	✓	✓	♦	∇	♦	♦	X	✓	✓	✓
cresol	X	X	X	X	X	∇	X	✓	✓	✓	formic acid	♦	✓	✓	♦	♦	✓	∇	♦	✓	✓	✓
creylic acid	X	X	X	X	X	∇	X	✓	✓	-	freon 12	∇	♦	✓	♦	✓	✓	✓	♦	✓	✓	✓
cumene	X	X	X	X	X	X	X	✓	∇	∇	freon 13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
cyclohexane	X	X	X	X	✓	∇	X	✓	✓	✓	freon 21	X	X	X	X	✓	X	X	X	✓	X	✓
cyclohexanol	X	∇	♦	X	∇	✓	X	✓	✓	✓	freon 22	♦	✓	✓	♦	✓	✓	✓	X	✓	✓	✓
cyclohexanone	♦	♦	X	X	X	X	X	X	✓	♦	freon 114	♦	✓	✓	✓	✓	✓	✓	♦	✓	-	✓
p-cymene	X	X	X	X	X	X	X	✓	✓	X	fuel oil	X	X	♦	X	✓	♦	X	✓	✓	✓	✓
decalin	X	X	X	X	X	X	X	✓	✓	X	furfural	♦	✓	∇	X	X	∇	X	X	✓	✓	✓
denatured alcohol	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	gallic acid	♦	✓	♦	♦	♦	♦	♦	✓	-	-	✓
detergent solution non-hydrocarbon	♦	∇	♦	♦	✓	♦	♦	✓	✓	♦	gasoline	X	X	∇	X	✓	∇	X	✓	✓	♦	✓
diacetone	♦	✓	X	X	X	X	X	X	✓	-	gelatin	♦	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
diacetone alcohol	♦	✓	♦	X	X	♦	X	X	✓	∇	glucose	♦	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
dibenzyl ether	∇	♦	X	X	X	∇	X	X	✓	∇	glue	♦	✓	✓	✓	✓	✓	♦	✓	✓	-	✓
dibutyl amine	♦	✓	X	X	X	X	X	X	✓	✓	glicenne	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dibutyl ether	X	∇	X	X	X	∇	X	∇	✓	✓	glycols	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dibutyl phthalate	∇	♦	X	X	X	X	∇	∇	∇	∇	green sulfate liquor	♦	✓	♦	♦	♦	♦	♦	✓	♦	✓	✓
dibutyl sebecate	∇	♦	X	X	X	X	♦	✓	♦	♦	hexane	X	X	♦	X	✓	X	✓	♦	♦	✓	✓
dichlorobenzene	X	X	X	X	X	X	✓	✓	X	✓	helix alcohol	X	∇	♦	✓	✓	♦	✓	✓	✓	✓	✓
dichloro-isopropyl ether	X	∇	∇	X	X	X	∇	∇	X	✓	hydraulic oil (petroleum)	X	X	X	✓	♦	X	✓	✓	✓	✓	✓
diesel oil	X	X	∇	X	✓	∇	X	✓	-	-	hydrobromic acid	♦	✓	✓	✓	X	X	X	✓	✓	✓	✓
diethylamine	♦	✓	∇	♦	♦	♦	♦	X	✓	♦	hydrobromic acid (hot) 37%	X	∇	X	X	X	X	♦	✓	-	-	✓
diethylamine benzene	X	X	X	X	X	X	X	✓	X	✓	hydrochloric acid (cold) 37%	♦	✓	✓	♦	∇	♦	♦	✓	✓	✓	✓
diethyl ether	X	X	∇	X	X	∇	X	X	✓	✓	hydrocyanic acid	♦	✓	✓	♦	♦	♦	♦	∇	-	-	✓
diethylene glycol	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	hydrofluoric acid (conc.) hot	♦	✓	∇	X	X	X	∇	✓	-	-	✓
diethyl sebecate	∇	♦	♦	X	♦	X	X	♦	♦	♦	hydrofluoric acid (conc.) cold	♦	✓	✓	X	X	X	X	X	✓	-	✓
siisobutylene	♦	✓	X	X	♦	X	X	✓	-	-	hydrofluoric acid - anhydrous	♦	✓	✓	X	X	X	X	X	✓	-	✓
diisopropyl benzene	X	X	X	X	X	X	X	✓	-	-	hydrofluosilic acid	∇	♦	✓	♦	♦	∇	♦	-	✓	✓	✓
diisopropyl ketone	♦	✓	X	X	X	X	X	✓	-	-	hydrogen gas	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dimethyl formamide	♦	✓	X	X	∇	X	X	✓	-	-	iodine	X	X	✓	X	X	X	X	✓	✓	✓	✓
dimethyl phthalata	♦	✓	X	X	X	X	♦	✓	✓	✓	isobutyl alcohol	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dinitrotoluene	X	X	X	X	X	X	X	✓	X	✓	isooctane	X	X	♦	X	✓	♦	X	✓	♦	✓	✓
dioctyl phthalate	∇	♦	X	X	∇	X	♦	✓	∇	∇	isopropyl acetate	∇	♦	X	X	X	X	X	✓	-	-	✓
dioctyl sebecate	∇	♦	X	X	X	X	♦	✓	X	✓	isopropyl alcohol	♦	✓	✓	✓	♦	♦	✓	✓	✓	✓	✓
dipentene	X	X	X	X	♦	X	X	✓	♦	♦	isopropyl chloride	X	X	X	X	X	X	♦	✓	-	-	✓
diphenyl (phenylbenzene)	X	X	X	X	X	X	X	✓	I	✓	isopropyl ether	X	X	∇	X	∇	X	X	✓	-	-	✓
dowtherm oil	X	X	X	X	X	X	✓	∇	∇	∇	kerosene	X	X	∇	X	✓	✓	✓	✓	✓	✓	✓
dry cleaning fluids	X	X	X	X	∇	X	X	✓	-	-	lactic acid (cold)	♦	✓	✓	♦	♦	♦	♦	✓	✓	-	✓
ethane	X	X	♦	X	✓	♦	X	✓	-	-	lactic acid (hot)	♦	✓	✓	X	X	X	X	✓	✓	-	✓
ethanolamine	♦	✓	∇	♦	♦	♦	X	✓	✓	✓	lard	∇	♦	X	X	✓	X	✓	✓	✓	✓	✓
ethyl acetate	♦	✓	X	X	X	∇	X	X	✓	♦	lavender oil	X	X	X	X	♦	X	✓	♦	-	-	✓
ethyl acetoacetate	♦	✓	X	∇	X	∇	X	✓	✓	✓	lead acetate	♦	✓	X	✓	✓	✓	X	✓	✓	✓	✓
ethyl alcohol	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	lead nitrate	♦	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
ethyl benzene	X	X	X	X	X	X	X	✓	X	✓	lead sulfamate	♦	✓	✓	✓	♦	♦	✓	✓	✓	-	✓
ethyl benzoate	♦	✓	X	✓	X	X	✓	✓	X	✓	linseed oil	X	∇	♦	X	✓	♦	X	✓	✓	✓	✓
ethyl cellulose	∇	♦	♦	♦	♦	♦	X	✓	-	-	liquefied petroleum gas	X	X	♦	X	✓	♦	X	✓	✓	♦	✓
ethyl chloride	X	∇	X	X	∇	X	X	✓	-	-	lubricating oils (petroleum)	X	X	♦	X	✓	♦	X	✓	✓	✓	✓
ethyl ether	X	∇	X	X	∇	X	X	✓	✓	✓	lye	♦	✓	✓	♦	♦	♦	♦	-	✓	✓	✓
ethyl formate	∇	♦	♦	X	♦	X	∇	✓	✓	✓	magnesium chloride	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ethyl pentochlorobenzene	X	X	X	X	X	X	X	✓	X	✓	magnesium hydroxide	♦	✓	✓	♦	♦	♦	✓	✓	✓	✓	✓
ethyl silicate	♦	✓	♦	✓	✓	♦	✓	✓	✓	✓	magnesium sulfate	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ethylene	∇	♦	∇	∇	∇	∇	∇	-	-	-	maleic acid	♦	✓	X	∇	X	∇	∇	✓	♦	-	✓
ethylene chloride	X	∇	X	X	X	X	✓	✓	-	-	maleic anhydride	∇	♦	✓	∇	X	∇	∇	X	-	-	✓
ethylene ehlorohydrin	∇	♦	♦	♦	X	♦	♦	✓	-	-	malic acid	♦	✓	♦	♦	♦	∇	∇	✓	-	-	✓
ethylene diamine	♦	✓	♦	✓	✓	✓	♦	X	✓	♦	mercury	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ethylene dichloride	X	∇	X	X	X	X	♦	✓	∇	∇	mesityl oxide	∇	♦	X	X	X	X	X	✓	♦	✓	✓
ethylene glycol	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	methane	X	X	♦	X	✓	♦	X	✓	♦	✓	✓
ethylene trichloride	X	∇	X	X	X	X	X	✓	-	-	methyl acetate	♦	✓	X	∇	X	♦	∇	X	✓	✓	✓
fatty acids	X	∇	♦	X	♦	X	✓	✓	♦	♦	methyl alcohol	♦	✓	✓	✓	✓	✓	✓	X	✓	✓	✓
ferric chloride	♦	✓	✓	✓	✓	✓	✓	✓	✓	✓	methyl bromide	∇	♦	X	X	♦	X	X	✓	-	-	✓
											methyl butyl ketone	♦	✓	X	X	X	X	X	✓	-	-	✓

CHEMICAL RESISTANCE CHART

	epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe
(propyl acetone)	∇	◆	◆	X	◆	◆	X	X	√	√
methyl cellosolve	X	∇	X	X	X	X	X	◆	√	X
methyl chloride	◆	√	X	X	X	∇	X	X	√	◆
methyl ethyl ketone (mek)	◆	◆	X	X	X	X	X	X	√	◆
methyl isobutyl ketone	∇	◆	X	X	X	X	X	◆	√	-
methyl oleate	∇	◆	X	X	X	X	X	◆	√	-
milk	◆	√	√	◆	√	√	◆	√	√	√
mineral oil	X	∇	◆	X	∇	◆	X	√	√	√
monochlorobenzene	X	X	X	X	X	X	X	√	◆	-
monoethanolamine	◆	√	X	◆	X	X	◆	X	√	-
monomethylether	X	X	◆	X	√	∇	X	√	-	◆
monovinyl acetylene	◆	◆	◆	◆	√	◆	◆	√	-	◆
naphtha	X	X	X	X	◆	∇	X	√	√	√
naphthalene	X	X	X	X	X	X	X	√	√	√
naphthalene	X	X	X	X	◆	X	X	√	√	√
napthenic acid	X	X	X	X	◆	X	X	√	√	√
natural gas	X	X	√	◆	√	√	◆	√	√	√
nickel acetate	◆	√	X	√	◆	◆	X	X	√	-
nickel chloride	◆	√	√	√	√	√	√	√	√	√
nickel sulfate	◆	√	√	√	√	√	√	√	√	√
nitric acid-conc.	◆	√	◆	X	X	X	X	∇	◆	X
nitric acid-dilute	◆	√	√	X	X	◆	X	◆	√	√
nitrobenzene	∇	◆	X	X	X	X	X	◆	√	∇
nitroethane	∇	◆	◆	◆	X	∇	◆	X	√	√
nitromethane	∇	◆	∇	◆	X	◆	◆	X	√	-
nitrogen	◆	√	√	√	√	√	√	√	√	√
octachlorotoluene	X	X	X	X	X	X	X	√	-	X
octyl alcohol	X	∇	◆	◆	◆	√	◆	√	√	√
oleic acid	X	X	∇	X	∇	∇	X	◆	√	√
oleum	∇	√	∇	X	∇	∇	X	◆	√	-
olive oil	∇	◆	◆	X	√	◆	X	√	√	◆
o-dichlorobenzene	X	X	X	X	X	X	X	◆	√	X
oxalic acid	◆	√	◆	◆	◆	◆	◆	◆	√	√
oxygen-cold	◆	√	√	∇	∇	√	∇	◆	√	√
ozone	◆	√	√	X	X	∇	X	√	√	√
palmitic acid	∇	◆	∇	∇	√	◆	◆	√	◆	√
peanut oil	X	∇	◆	X	√	∇	X	√	√	√
perchloric acid	∇	◆	◆	X	X	◆	X	√	-	-
perchloroethylene	X	X	X	X	◆	X	X	√	√	X
petroleum	X	X	◆	X	√	◆	X	√	√	√
phenol (carbolic acid)	◆	√	◆	X	X	∇	-	√	√	√
phenylbenzene	X	X	X	X	X	X	X	√	-	X
phenyl hydrazine	∇	◆	X	√	X	X	◆	√	√	X
phorone	X	∇	X	X	X	X	X	√	-	-
phosphoric acid - 20%	◆	√	◆	◆	◆	◆	◆	√	√	√
phosphoric acid - 80%	◆	√	∇	∇	X	∇	√	√	√	√
phosphorus trichloride	◆	√	X	X	X	X	X	√	-	X
picric acid	◆	√	◆	◆	◆	◆	∇	◆	√	◆
pine oil	X	X	X	X	√	X	X	√	√	√
polyvinyl acetate emulsion	◆	√	◆	◆	-	◆	X	◆	√	-
potassium acetate	◆	√	√	√	X	◆	X	X	√	√
potassium chloride	◆	√	√	√	√	√	√	√	√	√
potassium cupro cyanide	√	√	√	√	√	√	√	√	√	√
potassium cyanide	◆	√	√	√	√	√	√	√	√	√
potassium dichromate	◆	√	√	∇	◆	◆	◆	◆	√	√
potassium hydroxide	◆	√	√	◆	◆	◆	◆	X	√	√
potassium nitrate	◆	√	√	√	√	√	√	√	√	√
potassium sulfate	◆	√	◆	◆	√	√	√	√	√	√
propane	X	X	◆	X	√	◆	X	√	√	◆
propyl acetate	∇	◆	X	X	X	X	X	√	◆	◆
propyl alcohol	◆	√	√	√	√	√	√	√	√	√
propyl nitrate	◆	√	◆	X	X	X	X	√	√	√
propylene	X	X	X	X	X	X	X	√	√	√
pyranol (transformer oil)	X	X	∇	X	√	◆	X	√	√	√
pyridine	◆	√	◆	X	X	X	X	√	-	-
sal ammoniac	◆	√	◆	◆	◆	◆	∇	◆	√	◆
salicylic acid	◆	√	√	√	√	√	√	√	√	√
salt water	◆	√	√	√	√	√	√	√	√	√
sewage	◆	◆	√	◆	√	◆	◆	√	√	√

	epdm	epr	hypalon	natural	nitrite	chloroprene	sbr	viton	cross-linked polyethylene	cpe
silicone greases	◆	√	√	√	√	√	√	√	√	√
silicone oils	◆	√	√	√	√	√	√	√	√	√
silver nitrate	◆	√	√	√	◆	√	√	√	√	√
skydrol 500	◆	√	X	X	X	X	X	X	√	◆
skydrol 7000	◆	√	X	X	X	X	X	◆	√	◆
soap solutions	◆	√	√	◆	√	◆	√	√	√	√
soda ash	◆	√	√	√	√	√	√	√	√	√
sodium acetate	◆	√	√	√	◆	◆	X	X	√	√
sodium bicarbonate	◆	√	√	√	√	√	√	√	√	√
sodium bisulfite	◆	√	√	√	√	√	◆	√	√	√
sodium borate	◆	√	√	√	√	√	√	√	√	√
sodium chloride (brine)	◆	√	√	√	√	√	√	√	√	√
sodium cyanide	◆	√	√	√	√	√	√	√	√	√
sodium hydroxide	◆	√	√	√	◆	◆	√	◆	√	√
sodium hypochlorite	∇	◆	√	X	◆	√	X	√	◆	√
sodium metaphosphate	◆	√	◆	√	√	◆	√	√	√	√
sodium nitrate	◆	√	√	◆	◆	◆	√	-	√	√
sodium perborate	◆	√	◆	◆	◆	◆	◆	√	√	-
sodium peroxide	◆	√	◆	◆	◆	◆	◆	√	√	◆
sodium phosphate	◆	√	√	√	√	◆	√	√	√	√
sodium silicate	◆	√	√	√	√	√	√	√	√	√
sodium sulfate	◆	√	√	◆	√	◆	√	√	√	√
sodium thiosulfate	◆	√	√	◆	◆	◆	√	√	√	√
soybean oil	X	∇	∇	X	√	◆	X	√	√	-
stannic chloride	◆	√	√	√	√	√	√	√	√	√
steam	◆	√	X	X	X	∇	X	X	X	X
stearic acid	∇	◆	◆	∇	◆	◆	◆	-	√	√
styrene	X	X	X	X	X	X	X	◆	◆	∇
sucrose solution	◆	√	◆	√	√	√	√	√	√	√
sulfur	◆	√	√	X	X	√	X	√	√	-
sulfur chloride	X	X	◆	X	∇	∇	X	√	-	-
sulfur dioxide	◆	√	◆	◆	◆	◆	◆	√	√	√
sulfuric trioxide	∇	◆	X	◆	X	X	◆	√	◆	X
sulfuric acid 10%	◆	√	√	∇	∇	∇	√	√	√	√
sulfuric acid 10-75%	◆	√	∇	X	X	X	X	√	√	X
sulfurous acid	◆	√	√	◆	◆	◆	◆	√	√	√
tannic acid	◆	√	√	√	√	√	√	√	√	√
tar bituminous	X	∇	X	X	◆	∇	X	√	-	-
tartaric acid	∇	◆	√	∇	√	◆	X	√	√	√
terpineol	X	∇	X	X	◆	X	X	√	◆	√
tertiary butyl alcohol	∇	◆	◆	◆	◆	◆	◆	√	√	◆
tetrachloroethylene	X	X	X	X	X	X	X	√	√	∇
tetraethyl lead	X	X	X	X	◆	◆	◆	-	-	-
toluene	X	X	X	X	X	X	X	√	√	∇
transformer oil	X	X	∇	X	√	◆	X	√	√	√
*transmission fluid **A***	X	X	◆	X	√	◆	X	√	√	√
trichloroethane	X	X	X	X	X	X	X	√	√	∇
trichloroacetic acid	∇	◆	X	∇	◆	X	◆	∇	√	-
trichloroethylene	X	X	X	X	X	X	X	√	√	X
tricresyl phosphate	X	X	X	X	X	X	∇	√	√	√
triethanol amine	◆	√	◆	◆	◆	◆	◆	X	√	√
trinitrotoluene	X	X	◆	X	X	◆	X	√	√	◆
turbine oil	X	X	X	X	◆	X	X	√	-	-
turpentine	X	X	X	X	◆	X	X	√	◆	-
vegetables oils	X	∇	◆	√	◆	∇	X	√	√	√
vinegar	◆	√	√	√	◆	◆	◆	◆	√	√
vinyl chloride	X	X	X	X	X	X	X	√	√	∇
water	◆	√	√	√	√	√	√	√	√	√
whiskey, wines	◆	√	√	√	√	√	√	√	√	√
white oil	X	X	X	X	√	◆	X	√	√	√
wood oil	X	X	∇	X	√	◆	X	√	√	√
xylene	X	X	X	X	X	X	X	√	◆	X
zinc chloride	◆	√	√	√	√	√	√	√	√	√
zinc sulphate	◆	√	√	◆	√	◆	√	√	√	√

Workshop Facility



For specialized or custom fitting jobs we have a hose fitting Workshop at the same location as our Central Distribution Warehouse in Melbourne.

This allows us to distribute quickly and effectively with goods going weekly to our branches around Australia.

INDUSTRIES
Mining/Construction/Hire
Water Transfer
Food & Beverage/Sanitary
Agriculture
Fluid Transfer



and many more.

Custom hose ends.



Plain (Butt-weld)

Plain end stems are the base fitting that can be threaded, welded or grooved to create many different styles of end connection. It is not recommended that fittings be welded after swaging as this may damage the hose and cause premature failure.

Male Thread

Male threaded fittings can be supplied in BSP, NPT and API. After swaging threaded fittings can then be connected to female threaded adaptors and couplers such as camlocks, flanges, bends etc, the options are endless.

Fixed Flange

Fixed flange fittings are an economical flange end for use in applications that do not require critical flange hole alignment or periodical hose rotation to maximise hose wear. Product available in any non reducing flange table drillings.

Swivel Flange

Swivel flange fittings are most beneficial in applications where flange alignment is unknown and in situations that require periodical hose rotation to maximise hose wear. Product available in any non reducing flange table drilling.

Milk Thread

Milk thread fittings are available in both female and male configurations. Milk thread fittings are manufactured from solid bar which eliminates weld seams that could potentially trap bacteria, making them ideal for use in the wine and food processing industries.



Industry standard and custom assemblies for a large range of applications from single units to bulk quantities.

Terms and conditions

"TOTALRUBBER" in these Terms and Conditions of Sale is Total Rubber Services (Aust) Pty Ltd ACN 006 156 878 trading as "TOTALRUBBER" of 6-8 Siddons Way, Hallam, Victoria.

ORDERS

The Buyer, by ordering the goods from TOTALRUBBER, acknowledges and agrees:

- that it is expressly contracting with Total Rubber on these Terms and Conditions of Sale; and
- to be bound by these Terms and Conditions of Sale, unless otherwise expressly agreed to in writing by Total Rubber and:
- • these Terms and Conditions of Sale are current as at the date on which they are delivered to the Buyer;
- • TOTALRUBBER may revise these Terms and Conditions of Sale and provide updated Terms and Conditions of Sale to the Buyer; and
- • the Buyer must comply with the revised Terms and Conditions of Sale within 30 days of them being delivered to the Buyer.

TOTALRUBBER will not be bound to supply any goods to the Buyer until TOTALRUBBER raises an invoice in respect of any quote to supply goods.

The minimum order for the Buyer, if located within Australia is \$30.00 net value per order or, if located outside Australia, the minimum order is \$200.00 net value per order.

PRICING AND PAYMENT

Unless otherwise agreed in writing, all sales are made at TOTALRUBBER's price at the time of delivery, including goods placed on back order which may be subject to price variations between order and delivery.

The price of goods quoted by TOTALRUBBER or on TOTALRUBBER's price list is exclusive of GST. In addition to the price payable for the goods, the Buyer must pay to TOTALRUBBER, on demand, the GST payable in respect of the supply of those goods. For the purposes of these Terms and Conditions of Sale, "GST" has the same meaning as that word is given in the A New Tax System (Goods and Services Tax) Act 1999 (as amended).

Unless otherwise agreed in writing all prices are strictly net and the Buyer must pay the full purchase price of the goods as set out on TOTALRUBBER's invoice within 30 days after the month of delivery.

Payment by the Buyer, if located within Australia, may be made by Visa, Mastercard or Bankcard. Payment by the Buyer, if located outside Australia, is to be by one of the following methods – irrevocable letter of credit, telegraphic transfer bank to bank, Visa or Mastercard. Open accounts may be opened by arrangement.

DELIVERY

All shipments are FOB unless special arrangements have been agreed. Consult TOTALRUBBER for details.

Where a delivery date is specified, TOTALRUBBER will use its best endeavours to deliver the goods on the due date. TOTALRUBBER may unilaterally delay or suspend any delivery for any period or cancel any agreement for sale without any liability whatsoever.

The Buyer must notify TOTALRUBBER of any shortages in orders within 3 days of delivery, otherwise the Buyer will be deemed to have accepted the order.

SPECIFICATION CHANGES

TOTALRUBBER reserves the right to alter designs and specifications when conditions warrant without notice. For critical applications technical advice should be requested before ordering.

RETURNS AND WARRANTY

A 10% handling fee will be levied for goods returned which are incorrectly ordered or surplus to requirement.

No goods will be accepted for return without prior notice.

No claims or return of goods will be accepted after 7 days from the date of delivery of the goods.

All claims, requests for credit, or return of goods must quote the delivery docket number or invoice number that goods were supplied against.

No returns will be accepted of cut lengths of hose or goods manufactured specifically for any customer.

Freight must be prepaid on all returns.

TOTALRUBBER warrants its products to be free from defects in material and workmanship but, to the extent permitted by law, limits its obligations to replacing goods, which after examination by TOTALRUBBER are deemed to be defective.

The Buyer must notify TOTALRUBBER of any defects in goods within 90 days of shipment.

PROPERTY AND RISK

Property in the goods will remain with TOTALRUBBER until TOTALRUBBER has been paid in full for the goods under all individual contracts for the supply of the goods between TOTALRUBBER and the Buyer. While the goods remain the property of TOTALRUBBER, the Buyer agrees with TOTALRUBBER that:

- the Buyer has no right or claim to any interest in the goods to secure any liquidated or unliquidated debt or obligation TOTALRUBBER owes to the Buyer;
- the Buyer cannot claim any lien over the goods;
- the Buyer will not create any absolute or defeasible interest in the goods in relation to any third party, except with TOTALRUBBER's prior written consent;
- the Buyer is a bailee of the goods until such time as property in them passes to the Buyer and that this bailment continues in relation to each of the goods until the price of the goods has been paid in full;
- pending payment in full for the goods, the Buyer:
- must not supply any of the goods to any person outside its ordinary or usual course of business;
- must not allow any person to have or acquire any security interest in the goods;
- must insure the goods for their full insurable or replacement value (whichever is higher) with an insurer licensed or authorised to conduct the business of insurance in the place where the Buyer carries on business;
- must not remove, deface or obliterate any identifying mark or number on any of the goods.

Despite any other provision of these Terms and Conditions, if the Buyer supplies any of the goods to any person before all the money payable by the Buyer has been paid to TOTALRUBBER (and has not been claimed or clawed-back by any person standing in the place of or representing the Buyer), the Buyer agrees that:

- it holds the proceeds of re-supply of the goods on trust for and as agent for TOTALRUBBER immediately when they are receivable or are received;
- it must either pay the amount of the proceeds of re-supply to TOTALRUBBER immediately when they are received or pay those proceeds into a bank account as trustee for TOTALRUBBER;
- if the Buyer fails to pay for the goods within the period of credit extended by TOTALRUBBER to the Buyer, TOTALRUBBER may recover possession of the goods at any site owned, possessed or controlled by the Buyer and the Buyer agrees that TOTALRUBBER has an irrevocable licence to do so without incurring any liability to the Buyer or any person claiming through the Buyer.
- if required, it will assign to TOTALRUBBER any rights to any outstanding money relating to the re-supply of the goods. The Buyer irrevocably appoints TOTALRUBBER or its nominee as its attorney to sign all documents and do all things necessary to assign the debts to TOTALRUBBER under this clause, where the Buyer has failed to do so within 7 days of receiving written notice to do so, and ratifies any acts the attorney lawfully does or causes to be done with respect to any such assignment of debts.

For the purpose of determining which goods have not been paid for, the Buyer will be deemed to have re-supplied the goods on a FIFO basis.

The risk in the goods will transfer to the Buyer on delivery to the Buyer.

LIABILITY

TOTALRUBBER will not be liable for any claim, loss or expense whatsoever or howsoever arising which is made after the expiration of 3 days from the date of delivery or the date of the invoice (whichever is later).

TOTALRUBBER will not, to the extent permitted by law, be subject to any liability which exceeds the replacement value of the subject goods. TOTALRUBBER will not be liable for any contingent, consequential or punitive damages arising in any way whatsoever. The Buyer acknowledges this express limitation of liability and agrees to limit any claim accordingly.

TOTALRUBBER will not be liable for any claim, loss or expense sustained or incurred by any person arising in any way as a result of the unavailability of goods, any delay in delivery of the goods or any failure to deliver goods.

Any advice, recommendation, information or representation provided by TOTALRUBBER as to the quality or performance of the goods or their suitability for a particular purpose or otherwise in relation to the goods is given in good faith but without any liability or responsibility on the part of TOTALRUBBER. The Buyer acknowledges that it has not relied upon or been induced by any representation of TOTALRUBBER.

DEFAULT

If the Buyer:

- fails to make any payment in accordance with these Terms and Conditions of Sale;
- fails to comply with any of these Terms and Conditions of Sale;
- being an individual commits any act of bankruptcy, or being a corporation passes a resolution for winding up or liquidation;
- enters into any composition or arrangement with creditors or if a receiver including a provisional receiver, or receiver and manager, trustee or administrator is appointed for any property or assets;
- has execution levied against it; or
- becomes liable to be wound up by reason of insolvency or if any petition is presented for its winding up then the Buyer will be in default under these Terms and Conditions of Sale and TOTALRUBBER may at its option and without prejudice to any of its rights under these Terms and Conditions of Sale or in law or equity, do one or more of the following:
 - suspend or terminate any contract;
 - require the payment of cash before or on delivery of any further goods;
 - charge default interest on all overdue payments, at the rate of 12% per annum, calculated daily, from the due date for payment until paid in full;
 - suspend any further deliveries and immediately recover possession of any goods not paid for in full and sell them;
 - require that all money owing by the Buyer, regardless of the due date, be due and payable; and/or
 - sue the Buyer for breach of contract.

GENERAL

No agent, employee or representative of TOTALRUBBER will have any authority whatsoever to bind TOTALRUBBER to any affirmation, representation, warranty or condition concerning the goods sold under these Terms and Conditions of Sale unless such affirmation, representation, warranty or condition is specifically included in writing within these Terms and Conditions of Sale.

The Buyer agrees that all contracts made with TOTALRUBBER will be deemed to be made in the State of Victoria and the Buyer agrees to submit to the jurisdiction of appropriate court in the State of Victoria.

The provisions of these Terms and Conditions of Sale will be separate and severable from each other to the extent that if any provision or provisions are considered to be inoperative then the remaining provision or provisions will be binding on and enforceable by the parties.

In these Terms and Conditions of Sale, unless the context otherwise requires:

- "Buyer" means and includes the Buyer and any servant, agent, partner, contractor or employee of that person;
- "TOTALRUBBER" includes all TOTALRUBBER's employees and agents;
- a reference to "including" means "including without limitation";
- any agreement, warranty, representation or obligation which binds or benefits 2 or more persons, binds or benefits those persons jointly and severally; and
- "\$" or "dollars" is a reference to the lawful currency of Australia.

Industrial Rubber Hose

TR TOTAL RUBBER



PH: 1300 720 655

FAX: 1300 720 677

www.totalrubber.com.au

Other Products from TOTALRUBBER

Hydraulics

Sunflex Hose

Sunflex Fittings

Finn Power

Power Transmission

Total Omniforce® Vee Belts

Contitech Transmission Products

Poly vees

Timing Belts

Ducting

Ductaflex

Dust & Fume Extraction

Extractaflex

Plasticoat

Urethane ducting

Sheet Rubber

Natural sheet / insertion

EPDM sheet / Insertion

Neoprene / Nitrile

Matting

Skirting Rubber

PVC Hose

Tigerflex Abrasive Transfer

Water Suction

Layflat

Pressure Hose

Petrol/Oil Resistant

Premium Garden

Agricultural Spray

Milk & Food Suction/Delivery

Pesticide Spray

Dairy Wash

Hot Wash

Washing Machine Hot/Cold

Air Seeder

Hose Fittings

Sanitary Couplers

Camlock Fittings

Super Clamps

Worm Drive Clamps

Bauer type Couplings

Flanged Hose Tails

Poly Nut & Tails

Compressor Couplings

Strainers