



# SHOCKWAVE

Heavy Industry Waterblast Hose



# SHOCKWAVE HIGH PRESSURE WATERBLAST

## SW

SHOCKWAVE  
HIGH PRESSURE WATERBLAST  
VERY HIGH PRESSURE WATERBLAST



### RECOMMENDED FOR:

Very High Pressure waterblast hose for the cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.

**Not recommended for Steam.**

### TUBE:

Oil and water resistant synthetic rubber.

### REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

### COVER:

Oil, water and ozone resistant synthetic rubber. The cover is formulated to resist marking. Internal and External skiving required with 46000W Series BITELOK Interlok Crimp Couplings.

### FEATURES:

Exceeds ISO 7751 performance requirements.

Meets specifications EN 1829-2 (impulse) and AS/NZ 4233.2.

Highly abrasion resistant cover.

### TEMPERATURE RANGE:

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

### WORKING PRESSURE:

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

### COUPLINGS:



**BITELOK INTERLOK SKIVE TWO-PIECE CRIMP 46000W series** (sizes -06 to -16).

For coupling specifications and assembly instructions see the latest RYCO Product Technical Manual - Hydraulics and the latest Crimp Chart on our website, [www.RYCO.com.au](http://www.RYCO.com.au)

### A MEMBER OF

THE AUSTRALASIAN HIGH PRESSURE  
WATER JETTING ASSOCIATION

SW SHOCKWAVE - HIGH PRESSURE HOSE			NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
COLOUR CODE	PART NO	HOSE SIZE	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	INTERLOK TWO-PIECE	
	<b>Hose</b>	<b>DN</b>	<b>Dash</b>	<b>mm</b>	<b>inch</b>	<b>mm</b>	<b>inch</b>	<b>bar</b>	<b>psi</b>	<b>bar</b>	<b>psi</b>	<b>mm</b>	<b>inch</b>	<b>kg/m</b>	<b>lb/ft</b>	<b>INT/EXT SKIVE</b>
	<b>SW18006</b>	10	-06	9,5	3/8	21,5	0.85	1250	18125	3125	45315	150	5.9	0,56	0.37	46000W
	<b>SW16008</b>	12	-08	12,7	1/2	24,6	0.97	1100	16000	2750	40000	180	7.1	0,83	0.56	46000W
	<b>SW14512</b>	19	-12	19,0	3/4	31,9	1.26	1000	14500	2500	36250	220	8.7	0,92	0.62	46000W
	<b>SW10012</b>	19	-12	19,0	3/4	30,6	1.21	700	10000	1750	25000	220	8.7	1,34	0.90	46000W
	<b>SW10016</b>	25	-16	25,4	1	37,6	1.48	700	10000	1750	25000	250	9.8	1,39	0.93	46000W

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit [www.RYCO.com.au](http://www.RYCO.com.au)

### WJTA-IMCA colour code recommendations:

	20K Pressure Range
	15K Pressure Range
	10K Pressure Range

RYCO QUALITY

# SHOCKWAVE HIGH PRESSURE WATERBLAST

## RYCO SHOCKWAVE HIGH PRESSURE WATERBLAST HOSE ASSEMBLIES

RYCO offers a large range of off-the-shelf High Pressure waterblast hose assemblies for all popular working pressures, up to 1250 bar/18125 psi.

All hose, couplings and hose assemblies have been designed, validated and fabricated by RYCO to ensure safe, and reliable endurance under even the most harshest of conditions.

Each fully certified RYCO SHOCKWAVE waterblast hose assembly supplied by RYCO is tested, quality checked and labelled with:

- Part Number
- Unique Serial Number for complete traceability and asset management, and
- Expiry Date

Most hose assemblies are stocked in either one or more of the following lengths, but custom assemblies are also available:

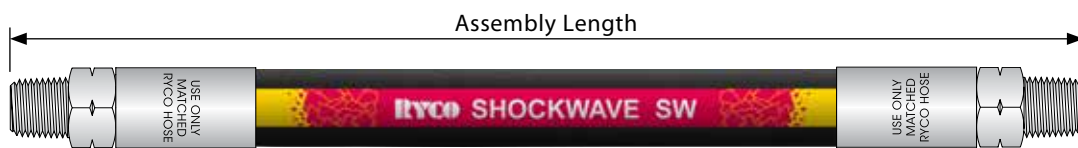
### ASSEMBLY LENGTHS:

15,2m / 20m / 30,4m / 40m

(50ft / 65ft / 100ft / 130 ft)

Maximum length of 60 m (200 ftt) available on request.

The RYCO coupling range comes in a wide variety of connection types, including popular NPTF Male, BSPT Female Metric DKOS (Heavy), and Type M connections.



## RECOMMENDATIONS FOR RYCO SHOCKWAVE WATERBLAST HOSE ASSEMBLIES

- **DO NOT MIX AND MATCH PRODUCT.** Use only matched RYCO products to fabricate waterblast hose assemblies.
- In order to achieve optimum performance, the assembly of RYCO SHOCKWAVE hose and matched 4600W BITELOK Interlok fittings must be performed using RYCO approved assembly procedures and equipment. RYCO production testing procedures should be used to ensure that the hose assembly produced is fit for purpose.
- For guaranteed performance of assemblies, use only RYCO-approved assembly facilities or distribution partners. Contact RYCO for your nearest approved assembler.
- Waterblast hose assemblies must not exceed the rated maximum working pressure. It is highly recommended that waterblast hose assemblies should not be used in pressure impulse applications.
- Waterblast hose assemblies must not operate outside of the operating temperature range specified for RYCO SHOCKWAVE hoses.
- Do not exert any external forces on the hose assembly, such as axial tension, twisting, kinking or crushing, which may reduce the integrity of the hose assembly. Waterblast hose assemblies should be inspected for signs of deterioration on a regular basis and shall be replaced if damaged or worn. Damage includes but is not limited to twisting, kinking, crushing, hose cover cuts or excessive wear, chemical degradation and corrosion.
- When whipchecks or other safety devices are installed to protect against injury or damage as a result of hose and fitting separation, the change in length of hose under pressure should be considered.
- Waterblast hose assemblies should be adequately supported to prevent excessive tensile (or other) stresses at any point along the hose assembly.
- High pressure water is extremely dangerous. Operators should wear appropriate personal protective equipment at all times, and should observe all related operational and safe working requirements when operating high pressure waterblast equipment.



## SAFETY GUIDE

### FOR THE SELECTION AND USE OF HOSE, FITTINGS AND RELATED ACCESSORIES

**Failure or improper selection or improper use of hose, fittings, or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of hose, fittings, or related accessories include, but are not limited to:**

- Fittings blown off at high speed.
- High velocity medium discharge.
- Explosion, or burning, of the conveyed medium.
- Electrocution from high voltage electric power lines or other sources of electricity.
- Contact with suddenly moving, or falling, objects that are held in position, or moved, by conveyed medium.
- Injections by high-pressure fluid or air discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity build-up.
- Sparking, or explosion, while spraying paint or other flammable liquid.

**RYCO LOCATIONS**

**RYCO 24•7 SERVICE CENTRES**

**AUSTRALIA**  
 1-300-111-247  
 Sales@RYCO.com.au

**GLOBAL HEAD OFFICE  
 MELBOURNE**  
 19 Whitehall Street  
 Footscray, VIC 3011

**REGIONAL LOCATIONS  
 ADELAIDE**  
 BL Shipway & Co  
 217 Richmond Road  
 Richmond, SA 5033

**BLACKWATER**  
 6 Jarrah Street  
 Blackwater, QLD 4717

**PERTH**  
 47 Tacoma Circuit  
 Canning Vale, WA 6155

**BRISBANE**  
 97 Northlink Place  
 Northgate, QLD 4013

**NEWCASTLE**  
 14 Ironbark Close  
 Warabrook, NSW 2304

**SYDNEY**  
 78 Hassall Street  
 Wetherill Park, NSW 2164

RYCO 24•7		133•24•7		Sales@RYCO247.com.au	
<b>NSW</b>	<b>QLD</b>	<b>SA &amp; NT</b>	<b>VIC &amp; TAS</b>	<b>WA</b>	
Bellingen Gunnedah Hawkesbury Ingleburn Maitland Newcastle Singleton Wallerawang Wetherill Park	Blackwater Clermont Dysart Emerald Mackay Moranbah Northgate Rocklea Rolleston	Adelaide Darwin Elizabeth Kadina Kapunda Port Pirie Richmond Riverland Roxby Downs Whyalla	Clayton Melbourne Port Melb Warrnambool Burnie Devonport Launceston Scottsdale	Kalgoorlie Mandurah Newman North Perth Port Hedland South Perth	

**NEW ZEALAND**  
 +64 9 573 2680  
 Sales@RYCOnz.co.nz

**NEW ZEALAND HEAD OFFICE  
 AUCKLAND**  
 Unit 1, 707 Great South Road  
 Penrose, Auckland 1061

RYCO 24•7		0800•111•24•7		Sales@RYCO247.co.nz	
<b>NORTH ISLAND</b>			<b>SOUTH ISLAND</b>		
Gisborne Hamilton Hastings Kaikohe Manawatu Masterton Matamata Morrinsville	New Plymouth Opoutama Otorohanga Palmerston North Pukekohe Putaruru Taupo Tauranga	Waipawa Wellesford Wellington Whakatane Whangarei Whitianga	Christchurch Blenheim Bluff Dovedale Dunedin Golden Bay Gore	Invercargill Nelson Thornbury Timaru Westport Winton	

**USA & CANADA**  
 +1 866 821 7926  
 Sales@RYCO.us

**HEAD OFFICE USA & CANADA  
 TEXAS**  
 1616 Greens Road  
 Houston, Texas 77032

**REGIONAL LOCATIONS  
 CALIFORNIA**  
 1150 Valencia Avenue  
 Tustin, California 92780

**NEW JERSEY**  
 1274 Highway 77  
 Bridgeton, NJ 08302

**IOWA**  
 1007 West 10th Street  
 Pella, Iowa 50219

**ONTARIO**  
 32 Airpark Place  
 Guelph, ONT  
 Canada N1L 1B2

RYCO 24•7		1 844•700•0247		Sales@RYCO247.us	
<b>MONTANA</b>	<b>WEST VIRGINIA</b>	<b>BOSSIER CITY</b>			
421 North 24th Street Billings, MT 59101	258 Ragland Rd, Beckley,WV 25801	3210 Shed Road Bossier City, LA 71111	Tel +1 406 245 1143 Tel +1 681 238 5757 Tel +1 318 747 7926		

<b>CHINA</b>	<b>SINGAPORE</b>	<b>MALAYSIA</b>	<b>UNITED KINGDOM</b>	<b>LATIN AMERICA</b>	<b>SOUTH AFRICA</b>
<b>DALIAN</b> 38 Yingri Road Ying Cheng Zi Industrial Zone, Gan Jing Zi District Dalian 116036, China Tel: +86 411 8886 0006 Email: Sales@RYCO.cn	<b>SINGAPORE</b> 6 Battery Road Level 42, Six Battery Road 049909, Singapore Tel: +65 6483 5655 Email: Sales@RYCO.com.sg	<b>PENANG</b> Plot 207 Kuala Ketil Ind. Estate Kuala Ketil, Kedah, 09300, Malaysia Tel: +60 4 415 2500 Email: Sales@RYCO.com.sg	<b>UNITED KINGDOM</b> Po Box 8734 Airdrie ML6 1AD United Kingdom Tel: +0044 7880 353 030 Email: Sales@RYCO.eu	<b>LIMA, PERU</b> Av. La Encalada 569 Of. 201-A C.C. Monterrico Surco Lima 33, Peru Tel: +51 1 435 8323 Email: Ventas@RYCO.com.pe	<b>JOHANNESBURG</b> 340 Roan Crescent Corporate Park North Midrand, 1685, South Africa Tel: +27 10 4100 500 Email: Sales@RYCO.co.za