

Viper Maxi Mk II Wire Rope Lubricator

SUPERIOR PROTECTION for WIRE ROPES

FOR ROPE 50mm (2") TO 165mm (6-1/2") SMALLER SIZES ON REQUEST

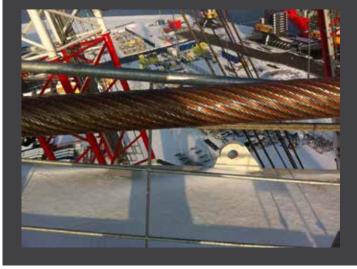
FEATURES & BENEFITS

- o Single Pass Wire Rope Lubrication Simplifies and speeds up the rope lubricating process
- o Eliminates Manual Greasing Safer for staff, reduced lubricant usage, less leakage & mess
- o High Pressure / High Flow Grease Pump Provides grease penetration, displaces moisture from rope core / total coverage, even for large ropes
- o Fast & Efficient Rope Lubrication Reduced downtime associated with rope lubrication which improves equipment availability. Speeds up to 1,000mt/hour
- o Able to lubricate all major rope sizes Viper Maxi Mk II can lubricate rope sizes 50mm (2") to 165mm (6-1/2").



APPLICATIONS

• ROV CABLES • VESSEL CRANE ROPES • UNDERWATER OFFSHORE WIRE ROPES • DRAG LINES









Viper Maxi Mk II Wire Rope Lubricator

Viper Maxi MkII WRL Kit

The Viper Wire Rope Lubricator is supplied as a complete package, with all of the components required to get you started. Simply order the kit and then select and order the seals and scrapers to suit the rope size to be lubricated. (note: refer to the viper seal, scraper & VRC selection guide pages 4-5)

Kit Components

- Viper Maxi Mkll High Strength Aluminium Alloy Collar
- Choice of Two Pumps 4.5kg/min Output & 13kg/min Output in 190kg Drum Size.
- Twin Lubricant Inlets to Ensure Complete and Effective Coverage.
- Air Regulator with Gauge & Isolation Valve.
- 10m High Pressure Supply Hose Fitted with Coupling Both Ends.
- Clear Lube Drain Hose.
- 1200kg Rated Ratchet Retaining Straps & Bow Shackles.
- Heavy Duty Fully Welded Aluminium Storage Case.



Viper Collar

The new Maxi Mkll Collar is the heart of the ViperWRL System. Constructed from high strength Aluminium Alloy, precision machined to tight specifications. Collar is completed with stainless steel hardware to provide maximum durability and corrosion protection.



The new Maxi MKII can now lubricate ropes up to 165mm (6-1/2").

Unit is designed for ease of use having handles located on each half of the collar.

Viper Grease Pump



The new Viper Mk II kit includes an upgraded lubricant pump, built specifically for the Viper WRL. Two pump options are available the standard unit delivers 4.5kg/min. while the optional high volume unit delivers 13kg/min for fast lubrication of large diameter ropes, for further reduced down time.

Both pumps are supplied in 190kg drum size.

Viper recommends the use of the high flow pump for ropes larger than 85mm.

LE Wirelife Coating Grease

LE Wirelife is available in NLGI#00 (LE452) and NLGI#0 (LE453) both of which have exceptional penetrating ability.

They are tacky and water resistant and will penetrate wire ropes to the core providing EP lubrication and corrosion protection.



Viper Maxi Mk II Seal & Scraper Selection

Seals Selection

Viper WRL Seals are made from a specially formulated polyurethane material that provides excellent durability, wear resistance and flexibility. It is this flexibility that allows the seal to provide a more positive interface and hence seal with

the rope. Each seal set comes as a pair, sized to suit the nominated rope diameter. Viper seals are designed to have some interference with the rope, depending on its size and type, with an interference of up to 3mm allowable for standard 6 & 8 strand ropes.

For compact, non-rotating or wireline type ropes which do not have valleys, a maximum interference of 1mm is recommended as these ropes do not allow for the same amount of seal deflection within the collar.



Scraper Selection

Aluminium Scrapers are attached to each end of the Viper collar to assist in pre-cleaning the rope and protect the seals from damage. Scrapers are supplied slightly larger than the actual wire rope size to allow for rope flexing.



Rope Cleaner (VRC) Selection

Viper Rope Cleaners enable the removal of contamination or built up old lubricant from the wire rope prior to lubrication, improving the effectiveness of the lubrication process via the Viper WRL. For certain types of wire ropes where the standard Viper Rope Cleaner is not suitable, the Viper 'Smooth Bore' rope cleaner is available. The Smooth Bore Rope Cleaner would typically be used on those ropes with a large number of outer strands, some non-rotational ropes, ROV cables, etc, where the valleys between the strands are minimal and do not readily facilitate a standard Viper Rope Cleaner.



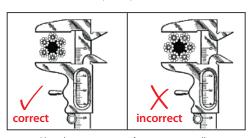


ABOVE: Smooth Bore Rope Cleaner

LEFT: The Viper Wire Rope Cleaner in place as the rope enters the Viper Maxi Mk II WRL.

Wire Rope Measurement Guide

It is recommended that wire ropes be physically measured prior to ordering seals and scrapers as ropes in service can stretch and sizes may vary.



How to measure a wire rope correctly.



Right Lay - Clockwise Rotation



Left Lay - Counter Clockwise Rotation

Available for 6 and 8 strand ropes in a wide range of sizes, the

table on the following pages allows for the quick and easy selection of the correct VRC to suit your specific requirements.

IMPORTANT CHOOSE CORRECT ROPE TYPE PRIOR TO ORDERING These Columns for 6 or 8 Strand Ropes Only Ropes Only Wiley Seels (Screens to "8.5.0") Wiley Seels (Screens to "8.5.0")

Rope Sizes 49mm to 102mm

| PRIOR TO ORDERING | 1 | opes Offiy | Ropes Only | | | | | | |
|---|---|-------------|---|-------------|----------------------|--|------------|--|------------|
| Actual Rope Size | Viper Seals/Scrapers for "6 & 8" Strand Ropes Only | | Viper Seals/Scraper for "Amoured & Multi Strand" Ropes Only | | Viper Smooth Bore | Viper Rope Cleaner "6 Strand Ropes" | | Viper Rope Cleaner "8 Strand Ropes" | |
| | Seal Part No. | Scraper No. | Seal Part No. | Scraper No. | Rope Cleaner | Right Lay | Left Lay | Right Lay | Left Lay |
| 49mm to50mm 1-15/16" to 1-31/32" | VMMSEAL48 | VMMSC50 | VMMSEAL50 | VMMSC50 | VRC-SB50 | VRC50-6R | VRC50-6L | VRC50-8R | VRC50-8L |
| 51mm to53mm 2" to2-3/32" | VMMSEAL50 | VMMSC53 | VMMSEAL53 | VMMSC53 | VRC-SB52 | VRC52-6R | VRC52-6L | VRC52-8R | VRC52-8L |
| 54mm to 55mm 2-1/8" to 2-5/32" | VMMSEAL53 | VMMSC55 | VMMSEAL55 | VMMSC55 | VRC-SB54 | VRC54-6R | VRC54-6L | VRC54-8R | VRC54-8L |
| 56mm to58mm 2-3/16" to 2-3/32" | VMMSEAL55 | VMMSC58 | VMMSEAL58 | VMMSC58 | VMRC-SB57 | VMRC58-6R | VMRC58-6L | VMRC58-8R | VMRC58-8L |
| 59mm to 60mm 2-5/16" to 2-3/8" | VMMSEAL58 | VMMSC60 | VMMSEAL60 | VMMSC60 | VMRC-SB59 | VMRC60-6R | VMRC60-6L | VMRC60-8R | VMRC60-8L |
| 61mm to 63mm 2-13/32" to 2-½" | VMMSEAL60 | VMMSC63 | VMMSEAL63 | VMMSC63 | VMRC-SB62 | VMRC62-6R | VMRC62-6L | VMRC62-8R | VMRC62-8L |
| 64mm to 65mm 2-½" to 2-9/16" | VMMSEAL63 | VMMSC65 | VMMSEAL65 | VMMSC65 | VMRC-SB64 | VMRC64-6R | VMRC64-6L | VMRC64-8R | VMRC64-8L |
| 66mm to 67mm 2 19/32" to 2 5/8" | VMMSEAL65 | VMMSC67 | n/a | n/a | VMRC-SB66 | VMRC66-6R | VMRC66-6L | VMRC66-8R | VMRC66-8L |
| 68mm to 70mm 2-21/32" to 2-%" | VMMSEAL68 | VMMSC70 | VMMSEAL70 | VMMSC70 | VMRC-SB69 | VMRC70-6R | VMRC70-6L | VMRC70-8R | VMRC70-8L |
| 71mm to 73mm 2-13/16" to 2-7/8" | VMMSEAL70 | VMMSC73 | VMMSEAL74 | VMMSC73 | VMRC-SB72 | VMRC72-6R | VMRC72-6L | VMRC72-8R | VMRC72-8L |
| 74mm to 75mm 2 27/32" to 2 15/16" | VMMSEAL74 | VMMSC75 | VMMSEAL76 | VMMSC75 | VMRC-SB74 | VMRC74-6R | VMRC74-6L | VMRC74-8R | VMRC74-8L |
| 76mm to 77mm 2-31/32" to 3" | VMMSEAL76 | VMMSC77 | VMMSEAL78 | VMMSC77 | VMRC-SB76 | VMRC76-6R | VMRC76-6L | VMRC76-8R | VMRC76-8L |
| 78mm to 79mm 3 3/64" to 3 5/64" | VMMSEAL78 | VMMSC79 | VMMSEAL80 | VMMSC79 | VMRC-SB78 | VMRC78-6R | VMRC78-6L | VMRC78-8R | VMRC78-8L |
| 80mm to 82mm 3-1/8" to 3-13/64" | VMMSEAL80 | VMMSC82 | VMMSEAL83 | VMMSC82 | VMRC-SB80 | VMRC82-6R | VMRC82-6L | VMRC82-8R | VMRC82-8L |
| 83mm to 85mm 3-15/64" to 3-5/16" | VMMSEAL83 | VMMSC85 | VMMSEAL86 | VMMSC85 | VMRC-SB84 | VMRC84-6R | VMRC84-6L | VMRC84-8R | VMRC84-8L |
| 86mm to 88mm 3-23/64" to 3-7/16" | VMMSEAL86 | VMMSC88 | VMMSEAL90 | VMMSC88 | VMRC-SB87 | VMRC88-6R | VMRC88-6L | VMRC88-8R | VMRC88-8L |
| 89mm to 91mm 3-15/32" to 3-½" | VMMSEAL90 | VMMSC91 | VMMSEAL92 | VMMSC91 | VMRC-SB90 | VMRC90-6R | VMRC90-6L | VMRC90-8R | VMRC90-8L |
| 92mm to 94mm 3-21/32" to 3-5/8" | VMMSEAL92 | VMMSC94 | VMMSEAL94 | VMMSC94 | VMRC-SB93 | VMRC92-6R | VMRC92-6L | VMRC92-R8 | VMRC92-8L |
| 94mm to 95mm 3-11/16" to 3-11/16" | VMMSEAL94 | VMMSC94 | VMMSEAL96 | VMMSC94 | VMRC-SB94 | VMRC94-6R | VMRC94-6L | VMRC94-8R | VMRC94-8L |
| 96mm to 97mm 3-%" to 3-13/16" | VMMSEAL96 | VMMSC97 | VMMSEAL98 | VMMSC97 | VMRC-SB96 | VMRC96-6R | VMRC96-6L | VMRC96-8R | VMRC96-8L |
| 98mm to 99mm 3-7/32" to 3-7/8" | VMMSEAL98 | VMMSC99 | VMMSEAL100 | VMMSC99 | VMRC-SB98 | VMRC98-6R | VMRC98-6L | VMRC98-8R | VMRC98-8L |
| 100mm to 102mm 3-29"/32" to 3-15/16" | VMMSEAL100 | VMMSC102 | VMMSEAL103 | VMMSC102 | VMRC-SB101 | VMRC102-6R | VMRC102-6L | VMRC102-8R | VMRC102-8L |

Multi-Strand Rope Cleaners For ropes over 65mm are available on request, eg: 18/21 Strand Ropes minimum order qualities may be applicable.

Rope Sizes 103mm to 165mm

| opes miliminum | order qualities i | пау ве арріісавіє | ทกทิด 91709 เกิดแบบ เกิดเกเนเ | | | | | |
|----------------|---|---|---|--|--|---|---|---|
| | | | | Viper Rope Cleaner | | Viper Rope Cleaner | | |
| | | | | | | | "8 Strand Ropes" Right Lay Left Lay | |
| VMMSEAL103 | VMMSC105 | VMMSEAL106 | VMMSC105 | VMMRC-SB104 | VMMRC104-6R | VMMRC104-6L | VMMRC104-8R | VMMRC104- |
| VMMSEAL106 | VMMSC108 | VMMSEAL109 | VMMSC108 | VMMRC-SB107 | VMMRC108-6R | VMMRC108-6L | VMMRC108-8R | VMMRC108- |
| VMMSEAL109 | VMMSC111 | VMMSEAL112 | VMMSC111 | VMMRC-SB110 | VMMRC110-6R | VMMRC110-6L | VMMRC110-8L | VMMRC110- |
| VMMSEAL112 | VMMSC114 | VMMSEAL115 | VMMSC114 | VMMRC-SB113 | VMMRC112-6R | VMMRC112-6L | VMMRC112-8L | VMMRC112- |
| VMMSEAL115 | VMMSC116 | VMMSEAL117 | VMMSC116 | VMMRC-SB115 | VMMRC116-6R | VMMRC116-6L | VMMRC116-8R | VMMRC116- |
| VMMSEAL117 | VMMSC119 | VMMSEAL120 | VMMSC119 | VMMRC-SB118 | VMMRC118-6R | VMMRC118-6L | VMMRC118-8R | VMMRC118- |
| VMMSEAL120 | VMMSC122 | VMMSEAL123 | VMMSC122 | VMMRC-SB121 | VMMRC122-R6 | VMMRC122-6L | VMMRC122-8R | VMMRC122- |
| VMMSEAL123 | VMMSC125 | VMMSEAL126 | VMMSC125 | VMMRC-SB124 | VMMRC124-6R | VMMRC124-6L | VMMRC124-8R | VMMRC124- |
| VMMSEAL126 | VMMSC128 | VMMSEAL129 | VMMSC128 | VMMRC-SB127 | VMMRC128-6R | VMMRC128-6L | VMMRC128-R8 | VMMRC128 |
| VMMSEAL129 | VMMSC131 | VMMSEAL132 | VMMSC131 | VMMRC-SB130 | VMMRC130-6R | VMMRC130-6L | VMMRC130-8R | VMMRC130 |
| VMMSEAL132 | VMMSC134 | VMMSEAL135 | VMMSC134 | VMMRC-SB133 | VMMRC134-6R | VMMRC134-6L | VMMRC134-8R | VMMRC134 |
| VMMSEAL135 | VMMSC137 | VMMSEAL138 | VMMSC137 | VMMRC-SB136 | VMMRC136-6R | VMMRC136-6L | VMMRC136-8R | VMMRC136 |
| VMMSEAL138 | VMMSC140 | VMMSEAL141 | VMMSC140 | VMMRC-SB139 | VMMRC140-6R | VMMRC140-6L | VMMRC140-8R | VMMRC140 |
| VMMSEAL141 | VMMSC143 | VMMSEAL144 | VMMSC143 | VMMRC-SB142 | VMMRC142-6R | VMMRC142-6L | VMMRC142-8R | VMMRC142 |
| VMMSEAL144 | VMMSC146 | VMMSEAL147 | VMMSC146 | VMMRC-SB145 | VMMRC146-6R | VMMRC146-6L | VMMRC146-8R | VMMRC146 |
| VMMSEAL147 | VMMSC149 | VMMSEAL150 | VMMSC149 | VMMRC-SB148 | VMMRC148-6R | VMMRC148-6L | VMMRC148-8R | VMMRC148 |
| VMMSEAL150 | VMMSC152 | VMMSEAL153 | VMMSC152 | VMMRC-SB151 | VMMRC152-6R | VMMRC152-6L | VMMRC152-8R | VMMRC152 |
| VMMSEAL153 | VMMSC155 | VMMSEAL156 | VMMSC155 | VMMRC-SB154 | VMMRC154-6R | VMMRC154-6L | VMMRC154-R8 | VMMRC154 |
| VMMSEAL156 | VMMSC158 | VMMSEAL159 | VMMSC158 | VMMRC-SB157 | VMMRC158-6R | VMMRC158-6L | VMMRC158-8R | VMMRC158 |
| VMMSEAL159 | VMMSC161 | VMMSEAL162 | VMMSC161 | VMMRC-SB160 | VMMRC160-6R | VMMRC160-6L | VMMRC160-8R | VMMRC160 |
| VMMSEAL162 | VMMSC165 | VMMSEAL165 | VMMSC165 | VMMRC-SB163 | VMMRC164-6R | VMMRC164-6L | VMMRC164-8R | VMMRC164 |
| | Viper Seals/Scr Strand Ro Seal Part No. VMMSEAL103 VMMSEAL106 VMMSEAL109 VMMSEAL112 VMMSEAL117 VMMSEAL120 VMMSEAL123 VMMSEAL123 VMMSEAL123 VMMSEAL124 VMMSEAL129 VMMSEAL135 VMMSEAL135 VMMSEAL135 VMMSEAL141 VMMSEAL141 VMMSEAL141 VMMSEAL141 | Viper Seals/Scrapers for "6 & 8" Strand Ropes Only Seal Port No. VMMSC105 VMMSEAL103 VMMSC105 VMMSEAL106 VMMSC108 VMMSEAL109 VMMSC111 VMMSEAL112 VMMSC114 VMMSEAL115 VMMSC116 VMMSEAL117 VMMSC119 VMMSEAL120 VMMSC122 VMMSEAL123 VMMSC125 VMMSEAL124 VMMSC125 VMMSEAL125 VMMSC131 VMMSEAL132 VMMSC131 VMMSEAL135 VMMSC137 VMMSEAL138 VMMSC137 VMMSEAL138 VMMSC140 VMMSEAL141 VMMSC143 VMMSEAL144 VMMSC146 VMMSEAL150 VMMSC152 VMMSEAL153 VMMSC155 VMMSEAL156 VMMSC158 VMMSEAL159 VMMSC161 | Viper Seals/Scrapers for "6 & 8" Viper Seals/Scrapers for "6 & 8" Viper Seals/Scraper No. Seal Part No. Scraper No. Seal Part No. VMMSEAL106 VMMSC105 VMMSEAL109 VMMSEAL103 VMMSC105 VMMSEAL109 VMMSEAL109 VMMSEAL109 VMMSEAL109 VMMSC111 VMMSEAL112 VMMSEAL112 VMMSEAL112 VMMSC111 VMMSEAL115 VMMSEAL115 VMMSEAL115 VMMSC116 VMMSEAL117 VMMSEAL120 VMMSEAL120 VMMSC119 VMMSEAL120 VMMSEAL122 VMMSEAL123 VMMSC122 VMMSEAL123 VMMSEAL126 VMMSEAL124 VMMSC125 VMMSEAL126 VMMSEAL129 VMMSEAL129 VMMSC131 VMMSEAL132 VMMSEAL132 VMMSEAL132 VMMSC131 VMMSEAL138 VMMSEAL138 VMMSEAL133 VMMSC137 VMMSEAL138 VMMSEAL141 VMMSEAL141 VMMSC143 VMMSEAL144 VMMSEAL144 VMMSEAL147 VMMSC149 VMMSEAL150 VMMSEAL150 VMMSEAL153 VMMSEAL154 VMM | Strand Ropes Only Mulli Strand* Ropes Only Seal Part No. Scraper No. VMMSEAL103 VMMSC105 VMMSEAL106 VMMSC105 VMMSEAL109 VMMSC108 VMMSEAL109 VMMSC108 VMMSEAL119 VMMSC111 VMMSEAL112 VMMSC111 VMMSEAL112 VMMSC111 VMMSEAL115 VMMSC114 VMMSEAL115 VMMSC114 VMMSEAL117 VMMSC116 VMMSEAL117 VMMSC119 VMMSEAL120 VMMSC119 VMMSEAL120 VMMSC122 VMMSEAL123 VMMSC122 VMMSEAL124 VMMSC125 VMMSEAL125 VMMSEAL126 VMMSC125 VMMSEAL129 VMMSC131 VMMSEAL129 VMMSC131 VMMSEAL132 VMMSC131 VMMSEAL132 VMMSC131 VMMSEAL135 VMMSC134 VMMSEAL135 VMMSC137 VMMSEAL135 VMMSC137 VMMSEAL138 VMMSC137 VMMSEAL141 VMMSC143 VMMSEAL144 VMMSC143 VMMSEAL144 | Viper Seals/Scraper for "Amoured & Strand Ropes Only Viper Seals/Scraper for "Amoured & Strand Ropes Only Viper Smooth Bore Rope Cleaner VMMSEAL103 VMMSC105 VMMSEAL106 VMMSC105 VMMSC106 VMMSC105 VMMSC106 VMMSC106 VMMSC108 VMMRC-SB104 VMMRC-SB107 VMMRC111 VMMRC-SB107 VMMRC111 VMMRC-SB110 VMMRC111 VMMRC-SB110 VMMRC-SB111 VMMRC-SB110 VMMRC-SB111 VMMRC-SB112 VMMRC-SB111 VMMRC-SB112 VMMRC-SB112 VMMRC-SB112 VMMRC-SB122 VMMRC-SB122 VMMRC-SB122 VMMRC-SB122 VMMRC-SB122 VMMRC-SB124 VMMRC-SB124 VMMRC-SB124 VMMRC-SB124 VMMRC-SB124 VMMRC-SB124 VMMRC-SB124 VMMRC-SB123 VMMRC-SB124 VMMRC-SB133 VMMRC-SB133 VMMRC-SB134 VMMRC-SB134 VMMRC-SB134< | Viper Seals/Scrapersfor"6 & 8" Stand Ropes Only Seal Part No. Scraper No. Seal Part No. Scraper No. VMMSC105 Viper Seals/Scraper No. Multi Strand" Ropes Only Seal Part No. Scraper No. VMMSC105 Viper Move Mode and No. Scraper No. VMMSC105 Viper Move Mode and No. Scraper No. VMMSC105 Viper Rop Mode and No. Scraper No. VMMSC105 Viper Rop Mode and No. Scraper No. VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMSC106 VMMSC107 VMMSC108 VMMRC-SB107 VMMRC108-6R VMMRC108-6R VMMSC111 VMMSC112 VMMRC-SB110 VMMRC108-6R VMMSEAL112 VMMSC114 VMMSC114 VMMSC114 VMMRC-SB110 VMMRC110-6R VMMRC-SB111 VMMRC110-6R VMMRC-SB111 VMMRC111-6R VMMRC-SB113 VMMRC111-6R VMMRC-SB113 VMMRC111-6R VMMRC-SB113 VMMRC111-6R VMMRC-SB112 VMMRC112-6R VMMRC-SB121 VMMRC12-6R VMMRC-SB121 VMMRC12-6R VMMRC-SB121 VMMRC12-6R VMMRC-SB121 VMMRC12-6R VMMRC-SB121 VMMRC13-6R VMMRC-SB130 VMMRC13-6R <td>Viper Seals/Scrapers for "6 & 8" Multi Strand Ropes Only Strand Ropes Only Strand Ropes Only Seal Part No. Scraper No. Seal Part No. Seal Part No. Seal Part No. Seal Part No. Scraper No. Seal Part No. Scraper No. Seal Part No. Scraper No. VMMRC108-6L VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMRC108-6L VMMRC104-6L VMMRC104-6L VMMRC104-6L VMMRC104-6L VMMRC108-6R VMMRC108-6R VMMRC108-6R VMMRC110-6L VMMRC110-6L VMMRC110-6R VMMRC110-6L VMMRC110-6L VMMRC111-6R VMMRC110-6L VMMRC111-6L VMMRC111-6R VMMRC110-6L VMMRC112-6R VMMRC112-6L VMMRC112-6R VMMRC112-6L VMMRC112-6L VMMRC112-6L VMMRC112-6R VMMRC112-6L VMMRC112-6L VMMRC118-6R VMMRC118-6R VMMRC118-6R VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC18-8B12 VMMRC118-6R VMMR</td> <td>Viper Secis/Scrapers for 7 & 8 at Stond Ropes Only Scraper No. Scraper No</td> | Viper Seals/Scrapers for "6 & 8" Multi Strand Ropes Only Strand Ropes Only Strand Ropes Only Seal Part No. Scraper No. Seal Part No. Seal Part No. Seal Part No. Seal Part No. Scraper No. Seal Part No. Scraper No. Seal Part No. Scraper No. VMMRC108-6L VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMSC105 VMMRC108-6L VMMRC104-6L VMMRC104-6L VMMRC104-6L VMMRC104-6L VMMRC108-6R VMMRC108-6R VMMRC108-6R VMMRC110-6L VMMRC110-6L VMMRC110-6R VMMRC110-6L VMMRC110-6L VMMRC111-6R VMMRC110-6L VMMRC111-6L VMMRC111-6R VMMRC110-6L VMMRC112-6R VMMRC112-6L VMMRC112-6R VMMRC112-6L VMMRC112-6L VMMRC112-6L VMMRC112-6R VMMRC112-6L VMMRC112-6L VMMRC118-6R VMMRC118-6R VMMRC118-6R VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6R VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC118-6L VMMRC18-8B12 VMMRC118-6R VMMR | Viper Secis/Scrapers for 7 & 8 at Stond Ropes Only Scraper No. Scraper No |