

VIPER WRL

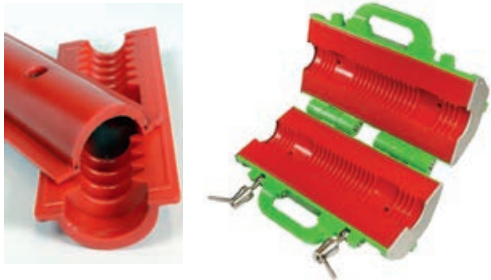
MINI MK 3 - MID MK 2 - MAXI MK 2

SEAL - SCRAPER - VRC - SELECTION GUIDE



SEAL SELECTION

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

Viper recommend that wire ropes be physically measured prior to ordering seals and scrapers as ropes in service may vary in size. 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.

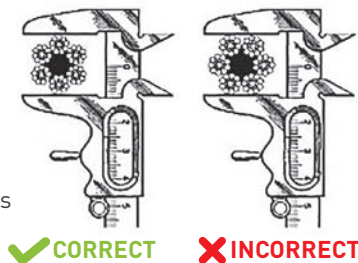
*VRC available as a single unit or pack of 5



IMPORTANT - BEFORE YOU ORDER

1. PHYSICALLY MEASURE ROPES

It is critical that all ropes be physically measured prior to selecting and ordering the VRC, as ropes size may vary in service.



2. DETERMINE LAY OF ROPES



Right Lay
Clockwise Rotation



Left Lay
Counter Clockwise
Rotation

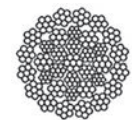
3. DETERMINE THE STRAND TYPE



6 Strand



8 Strand



Armoured or
Multi Strand

The following tables allow for the quick and easy selection of the correct VRC to suit your specific requirements.



MINI MK 3

SEAL - VRC - SELECTION GUIDE

VIPER MINI MK 3

Actual Rope Size	Viper Seals for 6 & 8 Strand Ropes Only	Viper Seals for Armoured & Multi Strand Ropes Only	Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Seal Part No.		Right Lay	Left Lay	Right Lay	Left Lay
6mm to 7mm 15/64" to 9/32"	VMI3SEAL6	VMI3SEAL6	N/A	N/A	N/A	N/A	N/A
8mm to 9mm 5/16" to 23/64"	VMI3SEAL8	VMI3SEAL8	VRC-SB8	N/A	N/A	N/A	N/A
9mm to 10mm 23/64" to 25/64"	VMI3SEAL8	VMI3SEAL10	VRC-SB9	N/A	N/A	N/A	N/A
11mm to 12mm 7/16" to 15/32"	VMI3SEAL10	VMI3SEAL12	VRC-SB11	N/A	N/A	N/A	N/A
13mm to 14mm 33/64" to 35/64"	VMI3SEAL13	VMI3SEAL13	VRC-SB13	N/A	N/A	N/A	N/A
15mm to 16mm 19/32" to 5/8"	VMI3SEAL14	VMI3SEAL16	VRC-SB15	VRC16-6R	VRC16-6L	VRC16-8R	VRC16-8L
17mm to 18mm 43/64" to 45/64"	VMI3SEAL16	VMI3SEAL18	VRC-SB17	VRC18-6R	VRC18-6L	VRC18-8R	VRC18-8L
19mm to 20mm 3/4" to 25/32"	VMI3SEAL18	VMI3SEAL20	VRC-SB19	VRC20-6R	VRC20-6L	VRC20-8R	VRC20-8L
21mm to 22mm 53/64" to 55/64"	VMI3SEAL20	VMI3SEAL22	VRC-SB21	VRC22-6R	VRC22-6L	VRC22-8R	VRC22-8L
23mm to 24mm 29/32" to 15/16"	VMI3SEAL22	VMI3SEAL24	VRC-SB23	VRC24-6R	VRC24-6L	VRC24-8R	VRC24-8L
25mm to 26mm 63/64" to 1-1/32"	VMI3SEAL24	VMI3SEAL26	VRC-SB25	VRC26-6R	VRC26-6L	VRC26-8R	VRC26-8L
27mm to 28mm 1-1/16" to 1-7/64"	VMI3SEAL26	VMI3SEAL28	VRC-SB27	VRC28-6R	VRC28-6L	VRC28-8R	VRC28-8L
29mm to 30mm 1-9/64" to 1-3/16"	VMI3SEAL28	VMI3SEAL30	VRC-SB29	VRC30-6R	VRC30-6L	VRC30-8R	VRC30-8L
31mm to 33mm 1-7/32" to 1-19/64"	VMI3SEAL30	VMI3SEAL32	VRC-SB31	VRC32-6R	VRC32-6L	VRC32-8R	VRC32-8L
33mm to 34mm 1-19/64" to 1-11/32"	VMI3SEAL32	VMI3SEAL33	VRC-SB33	VRC34-6R	VRC34-6L	VRC34-8R	VRC34-8L
35mm to 36mm 1-3/8" to 1-27/64"	VMI3SEAL33	VMI3SEAL35	VRC-SB34	VRC36-6R	VRC36-6L	VRC36-8R	VRC36-8L
37mm to 38mm 1-29/64" to 1-1/2"	VMI3SEAL35	VMI3SEAL38	VRC-SB37	VRC38-6R	VRC38-6L	VRC38-8R	VRC38-8L
39mm-40mm 1-17/32" to 1-37/64"	VMI3SEAL38	VMI3SEAL40	VRC-SB39	VRC40-6R	VRC40-6L	VRC40-8R	VRC40-8L
41mm to 42mm 1-39/64" to 1-21/32"	VMI3SEAL40	VMI3SEAL42	VRC-SB41	VRC42-6R	VRC42-6L	VRC42-8R	VRC42-8R
43mm to 44mm 1-11/16" to 1-47/64"	VMI3SEAL42	VMI3SEAL44	VRC-SB43	VRC44-6R	VRC44-6L	VRC44-8R	VRC44-8L

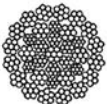
* VRC available as a single unit or pack of 5. For 5 pack part number add 'Pack' to the end of the single part number. Eg VRC24-6R-Pack

MID MK 2

SEAL - SCRAPER - VRC - SELECTION GUIDE



VIPER MID MK 2

Actual Rope Size	 6 or 8 Strand Ropes Only		 Armoured or Multi Strand Ropes Only		Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.		Right Lay	Left Lay	Right Lay	Left Lay
6mm to 7mm 15/64" to 9/32"	VSEAL6	VSC8	VSEAL6	VSC8	N/A	N/A	N/A	N/A	N/A
8mm to 9mm 5/16" to 23/64"	VSEAL8	VSC10	VSEAL8	VSC10	VRC-SB9	N/A	N/A	N/A	N/A
9mm to 10mm 23/64" to 25/64"	VSEAL8	VSC10	VSEAL10	VSC10	VRC-SB9	N/A	N/A	N/A	N/A
10mm to 12mm 25/64" to 15/32"	VSEAL10	VSC12	VSEAL12	VSC12	VRC-SB11	N/A	N/A	N/A	N/A
12mm to 14mm 15/32" to 35/64"	VSEAL13	VSC14	VSEAL13	VSC14	VRC-SB13	N/A	N/A	N/A	N/A
15mm to 16mm 19/32" to 5/8"	VSEAL14	VSC16	VSEAL16	VSC16	VRC-SB15	VRC16-6R	VRC16-6L	VRC16-8R	N/A
17mm to 18mm 43/64" to 45/64"	VSEAL16	VSC18	VSEAL18	VSC18	VRC-SB17	VRC18-6R	VRC18-6L	VRC18-8R	N/A
19mm to 20mm 3/4" to 25/32"	VSEAL18	VSC20	VSEAL20	VSC20	VRC-SB19	VRC20-6R	VRC20-6L	VRC20-8R	N/A
21mm to 22mm 53/64" to 55/64"	VSEAL20	VSC22	VSEAL22	VSC22	VRC-SB21	VRC22-6R	VRC22-6L	N/A	N/A
23mm to 24mm 29/32" to 15/16"	VSEAL22	VSC24	VSEAL24	VSC24	VRC-SB23	VRC24-6R	VRC24-6L	VRC24-8R	VRC24-8L
25mm to 26mm 63/64" to 1-1/32"	VSEAL24	VSC26	VSEAL26	VSC26	VRC-SB25	VRC26-6R	VRC26-6L	VRC26-8R	VRC26-8L
27mm to 28mm 1-1/16" to 1-7/64"	VSEAL26	VSC28	VSEAL28	VSC28	VRC-SB27	VRC28-6R	VRC28-6L	VRC28-8R	VRC28-8L
29mm to 30mm 1-9/64" to 1-3/16"	VSEAL28	VSC30	VSEAL30	VSC30	VRC-SB29	VRC30-6R	VRC30-6L	VRC30-8R	VRC30-8L
31mm to 32mm 1-7/32" to 1-17/64"	VSEAL30	VSC32	VSEAL32	VSC32	VRC-SB30	VRC32-6R	VRC32-6L	VRC32-8R	VRC32-8L
33mm to 34mm 1-19/64" to 1-11/32"	VSEAL32	VSC34	VSEAL33	VSC34	VRC-SB33	VRC34-6R	VRC34-6L	VRC34-8R	VRC34-8L
35mm to 36mm 1-3/8" to 1-27/64"	VSEAL33	VSC36	VSEAL35	VSC36	VRC-SB34	VRC36-6R	VRC36-6L	VRC36-8R	VRC36-8L
37mm to 38mm 1-29/64" to 1-1/2"	VSEAL35	VSC38	VSEAL38	VSC38	VRC-SB37	VRC38-6R	VRC38-6L	VRC38-8R	VRC38-8L
39mm-40mm 1-17/32" to 1-37/64"	VSEAL38	VSC42	VSEAL40	VSC42	VRC-SB39	VRC40-6R	VRC40-6L	VRC40-8R	VRC40-8L
41mm to 42mm 1-39/64" to 1-21/32"	VSEAL40	VSC42	VSEAL42	VSC42	VRC-SB41	VRC42-6R	VRC42-6L	VRC42-8R	VRC42-8L
43mm to 44mm 1-11/16" to 1-47/64"	VSEAL42	VSC44	VSEAL44	VSC44	VRC-SB43	VRC44-6R	VRC44-6L	VRC44-8R	VRC44-8L

Continued on next page

* VRC available as a single unit or pack of 5. For 5 pack part number add 'Pack' to the end of the single part number. Eg VRC24-6R-Pack

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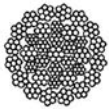
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MID MK 2 CONT.

SEAL - SCRAPER - VRC - SELECTION GUIDE



VIPER MID MK 2

Actual Rope Size	 6 or 8 Strand Ropes Only		 Armoured or Multi Strand Ropes Only		Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.		Right Lay	Left Lay	Right Lay	Left Lay
45mm to 46mm 1-49/64" to 1-13/16"	VSEAL44	VSC46	VSEAL46	VSC46	VRC-SB45	VRC46-6R	VRC46-6L	VRC46-8R	VRC46-8L
47mm to 48mm 1-27/32" to 1-57/64"	VSEAL46	VSC48	VSEAL48	VSC48	VRC-SB47	VRC48-6R	VRC48-6L	VRC48-8R	VRC48-8L
49mm to 50mm 1-59/64" to 1-31/32"	VSEAL48	VSC50	VSEAL50	VSC50	VRC-SB49	VRC50-6R	VRC50-6L	VRC50-8R	VRC50-8L
51mm to 52mm 2-1/64" to 2-3/64"	VSEAL50	VSC52	VSEAL52	VSC52	VRC-SB51	VRC52-6R	VRC52-6L	VRC52-8R	VRC52-8L
53mm to 54mm 2-3/32 to 2-1/8"	VSEAL52	VSC54	VSEAL54	VSC54	VRC-SB53	VRC54-6R	VRC54-6L	VRC54-8R	VRC54-8L
55mm to 56mm 2-11/64 to 2-13/64"	VSEAL54	VSC56	VSEAL55	VSC56	VRC-SB54	VMRC56-6R	VMRC56-6L	VMRC56-8R	VMRC56-8L
57mm to 58mm 2-1/4" to 2-9/32"	VSEAL55	VSC58	VSEAL58	VSC58	VMRC-SB57	VMRC58-6R	VMRC58-6L	VMRC58-8R	VMRC58-8L
59mm to 60mm 2-21/64" to 2-23/64"	VSEAL58	VSC60	VSEAL60	VSC60	VMRC-SB59	VMRC60-6R	VMRC60-6L	VMRC60-8R	VMRC60-8L
61mm to 62mm 2-13/32" to 2-7/16"	VSEAL60	VSC63	VSEAL62	VSC63	VMRC-SB62	VMRC62-6R	VMRC62-6L	VMRC62-8R	VMRC62-8L
63mm to 64mm 2-31/64" to 2-33/64"	VSEAL62	VSC65	VSEAL63	VSC65	VMRC-SB64	VMRC64-6R	VMRC64-6L	VMRC64-8R	VMRC64-8L
65mm to 66mm 2-9/16" to 2-19/32"	VSEAL3	VSC65	VSEAL65	VSC65	VMRC-SB64	VMRC66-6R	VMRC66-6L	VMRC66-8R	VMRC66-8L
66mm to 67mm 2-19/32" to 2-41/64"	VSEAL65	VSC67	VSEAL65	VSC67	VMRC-SB66	VMRC66-6R	VMRC66-6L	VMRC66-8R	VMRC66-8L

IMPORTANT
CHOOSE CORRECT
ROPE TYPE
PRIOR TO ORDERING

* VRC available as a single unit or pack of 5. For 5 pack part number add 'Pack' to the end of the single part number. Eg VRC24-6R-Pack



MAXI MK 2

SEAL - SCRAPER - VRC - SELECTION GUIDE

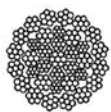


VIPER MAXI MK 2

**IMPORTANT
CHOOSE CORRECT
ROPE TYPE
PRIOR TO ORDERING**



**6 or 8 Strand
Ropes Only**



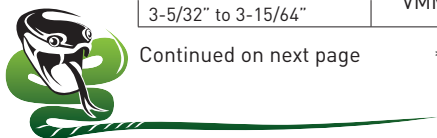
**Armoured or
Multi Strand
Ropes Only**

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

Actual Rope Size	Viper Seals/Scrapers for 6 & 8 Strand Ropes Only		Viper Seals/Scraper for Amoured & Multi Strand Ropes Only		Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.		Right Lay	Left Lay	Right Lay	Left Lay
49mm to 50mm 1-59/64" to 1-31/32"	VMMSEAL48	VMMSC50	VMMSEAL50	VMMSC50	VRC-SB49	VRC50-6R	VRC50-6L	VRC50-8R	VRC50-8L
51mm to 52mm 2-1/64" to 2-3/64"	VMMSEAL50	VMMSC53	VMMSEAL52	VMMSC53	VRC-SB51	VRC52-6R	VRC52-6L	VRC52-8R	VRC52-8L
53mm to 54mm 2-3/32 to 2-1/8"	VMMSEAL52	VMMSC55	VMMSEAL54	VMMSC54	VRC-SB53	VRC54-6R	VRC54-6L	VRC54-8R	VRC54-8L
55mm to 56mm 2-11/64 to 2-13/64"	VMMSEAL54	VMMSC56	VMMSEAL55	VMMSC56	VMRC-SB55	VMRC56-6R	VMRC56-6L	VMRC56-8R	VMRC56-8L
56mm to 58mm 2-13/64" to 2-9/32"	VMMSEAL55	VMMSC58	VMMSEAL55	VMMSC58	VMRC-SB57	VMRC58-6R	VMRC58-6L	VMRC58-8R	VMRC58-8L
59mm to 60mm 2-21/64" to 2-23/64"	VMMSEAL58	VMMSC60	VMMSEAL58	VMMSC60	VMRC-SB59	VMRC60-6R	VMRC60-6L	VMRC60-8R	VMRC60-8L
61mm to 62mm 2-13/32" to 2-7/16"	VMMSEAL60	VMMSC63	VMMSEAL60	VMMSC63	VMRC-SB62	VMRC62-6R	VMRC62-6L	VMRC62-8R	VMRC62-8L
63mm to 64mm 2-31/64" to 2-33/64"	VMMSEAL62	VSC65	VMMSEAL63	VMMSC65	VMRC-SB64	VMRC64-6R	VMRC64-6L	VMRC64-8R	VMRC64-8L
64mm to 65mm 2-33/64" to 2-9/16"	VMMSEAL63	VMMSC65	VMMSEAL63	VMMSC65	VMRC-SB64	VMRC64-6R	VMRC64-6L	VMRC64-8R	VMRC64-8L
66mm to 67mm 2-19/32" to 2-41/64"	VMMSEAL65	VMMSC67	VMMSEAL65	VMMSC67	VMRC-SB66	VMRC66-6R	VMRC66-6L	VMRC66-8R	VMRC66-8L
68mm to 70mm 2-43/64" to 2-3/4"	VMMSEAL68	VMMSC70	VMMSEAL68	VMMSC70	VMRC-SB69	VMRC70-6R	VMRC70-6L	VMRC70-8R	VMRC70-8L
71mm to 73mm 2-51/64" to 2-7/8"	VMMSEAL70	VMMSC73	VMMSEAL70	VMMSC73	VMRC-SB72	VMRC72-6R	VMRC72-6L	VMRC72-8R	VMRC72-8L
74mm to 75mm 2-29/32" to 2-61/64"	VMMSEAL74	VMMSC75	VMMSEAL74	VMMSC75	VMRC-SB74	VMRC74-6R	VMRC74-6L	VMRC74-8R	VMRC74-8L
76mm to 77mm 2-63/64" to 3-1/32"	VMMSEAL76	VMMSC77	VMMSEAL76	VMMSC77	VMRC-SB76	VMRC76-6R	VMRC76-6L	VMRC76-8R	VMRC76-8L
78mm to 79mm 3-5/64" to 3-7/64"	VMMSEAL78	VMMSC79	VMMSEAL78	VMMSC79	VMRC-SB78	VMRC78-6R	VMRC78-6L	VMRC78-8R	VMRC78-8L
80mm to 82mm 3-5/32" to 3-15/64"	VMMSEAL80	VMMSC82	VMMSEAL80	VMMSC82	VMRC-SB80	VMRC82-6R	VMRC82-6L	VMRC82-8R	VMRC82-8L

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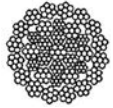
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MAXI MK 2 CONT.

SEAL - SCRAPER - VRC - SELECTION GUIDE

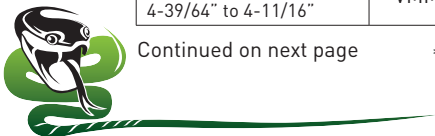


VIPER MAXI MK 2

Actual Rope Size	 6 or 8 Strand Ropes Only		 Armoured or Multi Strand Ropes Only		Multi-Strand Rope Cleaners for ropes over 65mm are available on request, eg: 18/21 Strand Ropes minimum order quantities may be applicable				
	Viper Seals/Scrapers for 6 & 8 Strand Ropes Only		Viper Seals/Scraper for Amoured & Multi Strand Ropes Only		Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.		Right Lay	Left Lay	Right Lay	Left Lay
83mm to 85mm 3-17/64" to 3-11/32"	VMMSEAL83	VMMSC85	VMMSEAL83	VMMSC85	VMRC-SB84	VMRC84-6R	VMRC84-6L	VMRC84-8R	VMRC84-8L
86mm to 88mm 3-25/64" to 3-15/32"	VMMSEAL86	VMMSC88	VMMSEAL86	VMMSC88	VMRC-SB87	VMRC88-6R	VMRC88-6L	VMRC88-8R	VMRC88-8L
89mm to 91mm 3-1/2" to 3-37/64"	VMMSEAL88	VMMSC91	VMMSEAL88	VMMSC91	VMRC-SB90	VMRC90-6R	VMRC90-6L	VMRC90-8R	VMRC90-8L
92mm to 93mm 3-5/8" to 3-21/32"	VMMSEAL90	VMMSC94	VMMSEAL90	VMMSC94	VMRC-SB93	VMRC92-6R	VMRC92-6L	VMRC92-8R	VMRC92-8L
94mm to 95mm 3-45/64" to 3-47/64"	VMMSEAL92	VMMSC96	VMMSEAL92	VMMSC96	VMRC-SB95	VMRC94-6R	VMRC94-6L	VMRC94-8R	VMRC94-8L
96mm to 97mm 3-25/32" to 3-13/16"	VMMSEAL96	VMMSC97	VMMSEAL96	VMMSC97	VMRC-SB96	VMRC96-6R	VMRC96-6L	VMRC96-8R	VMRC96-8L
98mm to 99mm 3-55/64" to 3-57/64"	VMMSEAL98	VMMSC99	VMMSEAL98	VMMSC99	VMRC-SB98	VMRC98-6R	VMRC98-6L	VMRC98-8R	VMRC98-8L
100mm to 102mm 3-15/16" to 4-1/64"	VMMSEAL100	VMMSC102	VMMSEAL100	VMMSC102	VMRC-SB101	VMRC102-6R	VMRC102-6L	VMRC102-8R	VMRC102-8L
103mm to 105mm 4-1/16" to 4-9/64"	VMMSEAL103	VMMSC105	VMMSEAL103	VMMSC105	VMMRC-SB104	VMMRC104-6R	VMMRC104-6L	VMMRC104-8R	VMMRC104-8L
106mm to 108mm 4-11/64" to 4-1/4"	VMMSEAL106	VMMSC108	VMMSEAL106	VMMSC108	VMMRC-SB107	VMMRC108-6R	VMMRC108-6L	VMMRC108-8R	VMMRC108-8L
109mm to 111mm 4-19/64" to 4-3/8"	VMMSEAL109	VMMSC111	VMMSEAL109	VMMSC111	VMMRC-SB110	VMMRC110-6R	VMMRC110-6L	VMMRC110-8R	VMMRC110-8L
112mm to 114mm 4-13/32" to 4-31/64"	VMMSEAL112	VMMSC115	VMMSEAL112	VMMSC115	VMMRC-SB113	VMMRC112-6R	VMMRC112-6L	VMMRC112-8R	VMMRC112-8L
115mm to 116mm 4-17/32" to 4-9/16"	VMMSEAL115	VMMSC116	VMMSEAL115	VMMSC116	VMMRC-SB115	VMMRC116-6R	VMMRC116-6L	VMMRC116-8R	VMMRC116-8L
117mm to 119mm 4-39/64" to 4-11/16"	VMMSEAL117	VMMSC119	VMMSEAL117	VMMSC119	VMMRC-SB118	VMMRC118-6R	VMMRC118-6L	VMMRC118-8R	VMMRC118-8L

Continued on next page

* VRC available as a single unit or pack of 5. For 5 pack part number add 'Pack' to the end of the single part number. Eg VRC24-6R-Pack



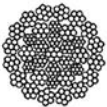
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MAXI MK 2 CONT.

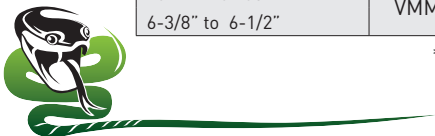
SEAL - SCRAPER - VRC - SELECTION GUIDE



VIPER MAXI MK 2

Actual Rope Size	 6 or 8 Strand Ropes Only		 Armoured or Multi Strand Ropes Only		Multi-Strand Rope Cleaners for ropes over 65mm are available on request, eg: 18/21 Strand Ropes minimum order quantities may be applicable				
	Viper Seals/Scrapers for 6 & 8 Strand Ropes Only		Viper Seals/Scraper for Amoured & Multi Strand Ropes Only		Viper Smooth Bore Rope Cleaner	Viper Rope Cleaner 6 Strand Ropes*		Viper Rope Cleaner 8 Strand Ropes*	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.		Right Lay	Left Lay	Right Lay	Left Lay
120mm to 122mm 4-23/32" to 4-51/64"	VMMSEAL120	VMMSC122	VMMSEAL120	VMMSC122	VMMRC-SB121	VMMRC122-R6	VMMRC122-6L	VMMRC122-8R	VMMRC122-8L
123mm to 125mm 4-27/32" to 4-59/64"	VMMSEAL123	VMMSC125	VMMSEAL123	VMMSC125	VMMRC-SB124	VMMRC124-6R	VMMRC124-6L	VMMRC124-8R	VMMRC124-8L
126mm to 128mm 4-61/64" to 5-3/64"	VMMSEAL126	VMMSC128	VMMSEAL126	VMMSC128	VMMRC-SB127	VMMRC128-6R	VMMRC128-6L	VMMRC128-8R	VMMRC128-8L
129mm to 131mm 5-5/64" to 5-5/32"	VMMSEAL129	VMMSC131	VMMSEAL129	VMMSC131	VMMRC-SB130	VMMRC130-6R	VMMRC130-6L	VMMRC130-8R	VMMRC130-8L
132mm to 134mm 5-13/64" to 5-9/32"	VMMSEAL132	VMMSC134	VMMSEAL132	VMMSC134	VMMRC-SB133	VMMRC134-6R	VMMRC134-6L	VMMRC134-8R	VMMRC134-8L
135mm to 137mm 5-5/16" to 5-25/64"	VMMSEAL135	VMMSC137	VMMSEAL135	VMMSC137	VMMRC-SB136	VMMRC136-6R	VMMRC136-6L	VMMRC136-8R	VMMRC136-8L
138mm to 140mm 5-7/16" to 5-33/64"	VMMSEAL138	VMMSC140	VMMSEAL138	VMMSC140	VMMRC-SB139	VMMRC140-6R	VMMRC140-6L	VMMRC140-8R	VMMRC140-8L
141mm to 143mm 5-35/64" to 5-5/8"	VMMSEAL141	VMMSC143	VMMSEAL141	VMMSC143	VMMRC-SB142	VMMRC142-6R	VMMRC142-6L	VMMRC142-8R	VMMRC142-8L
144mm to 146mm 5-43/64" to 5-3/4"	VMMSEAL144	VMMSC146	VMMSEAL144	VMMSC146	VMMRC-SB145	VMMRC146-6R	VMMRC146-6L	VMMRC146-8R	VMMRC146-8L
147mm to 149mm 5-25/32" to 5-55/64"	VMMSEAL147	VMMSC149	VMMSEAL147	VMMSC149	VMMRC-SB148	VMMRC148-6R	VMMRC148-6L	VMMRC148-8R	VMMRC148-8L
150mm to 152mm 5-29/32" to 5-63/64"	VMMSEAL150	VMMSC152	VMMSEAL150	VMMSC152	VMMRC-SB151	VMMRC152-6R	VMMRC152-6L	VMMRC152-8R	VMMRC152-8L
153mm to 155mm 6-1/32" to 6-7/64"	VMMSEAL153	VMMSC155	VMMSEAL153	VMMSC155	VMMRC-SB154	VMMRC154-6R	VMMRC154-6L	VMMRC154-8R	VMMRC154-8L
156mm to 158mm 6-9/64" to 6-7/32"	VMMSEAL156	VMMSC158	VMMSEAL156	VMMSC158	VMMRC-SB157	VMMRC158-6R	VMMRC158-6L	VMMRC158-8R	VMMRC158-8L
159mm to 161mm 6-17/64" to 6-11/32"	VMMSEAL159	VMMSC161	VMMSEAL159	VMMSC161	VMMRC-SB160	VMMRC160-6R	VMMRC160-6L	VMMRC160-8R	VMMRC160-8L
162mm to 165mm 6-3/8" to 6-1/2"	VMMSEAL162	VMMSC165	VMMSEAL162	VMMSC165	VMMRC-SB163	VMMRC164-6R	VMMRC164-6L	VMMRC164-8R	VMMRC164-8L

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