

VIPER Wire Rope Lubricator for Unitor™ MID MK 2 SEAL - SCRAPER - CLEANER - SELECTION GUIDE

SEAL SELECTION

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 recommends 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 SELECTION

Viper Rope Cleaners for Unitor™ 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 Unitor Viper WRL.

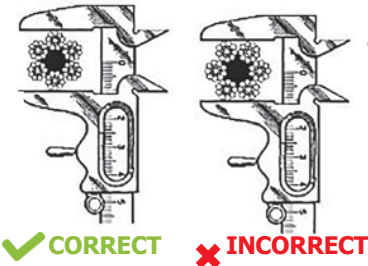
For certain types of wire ropes where the standard Unitor Viper Rope Cleaner is not suitable, the Unitor Viper 'Smooth Bore' rope cleaner is available. The Smooth Bore Rope Cleaner would typically be used on those ropes with a large number of outer strands, some non-rotational ropes, ROV cables, etc., where the valleys between the strands are minimal and do not readily facilitate a standard Unitor Viper Rope Cleaner.



IMPORTANT - BEFORE YOU ORDER

1. PHYSICALLY MEASURE ROPES

It is critical that all ropes be physically measured prior to selecting and ordering the



2. DETERMINE LAY OF ROPES



Right Lay
Clockwise Rotation



Left Lay
Counter Clockwise
Rotation

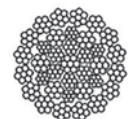
3. DETERMINE THE STRAND TYPE



6 Strand



8 Strand

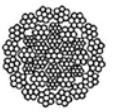


Armored or
Multi Strand

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

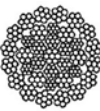
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IMPORTANT CHOOSE CORRECT ROPE TYPE PRIOR TO ORDERING	 6 or 8 Strand Ropes Only		 Armored or Multi Strand Ropes Only		Smooth Bore Rope Cleaner	Rope Cleaner 6 Strand Ropes		Rope Cleaner Actual Rope Size 8 Strand Ropes	
	Seal Part No.	Scraper No.	Seal 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"	525171	525157	525171	525157	525257	N/A	N/A	N/A	N/A
15mm to 16mm 19/32" to 5/8"	VSEAL14	VSC16	VSEAL16	VSC16	525258	525206	525205	525206	N/A
17mm to 18mm 43/64" to 45/64"	VSEAL16	VSC18	VSEAL18	VSC18	VRC-SB17	525210	525209	525212	N/A
19mm to 20mm 3/4" to 25/32"	VSEAL18	VSC20	525172	VSC20	525259	VRC20-6R	VRC20-6L	VRC20-8R	N/A
21mm to 22mm 53/64" to 55/64"	525172	525158	525173	525158	525260	525214	525213	N/A	N/A
23mm to 24mm 29/32" to 15/16"	525173	525159	525174	525159	525261	525218	525217	525220	525219
25mm to 26mm 63/64" to 1-1/32"	525174	525160	525175	525160	525262	525222	525221	525224	525223
27mm to 28mm 1-1/16" to 1-7/64"	525175	525161	525176	525161	525263	525226	525225	525228	525227
29mm to 30mm 1-9/64" to 1-3/16"	525176	525162	525177	525162	525264	525230	525229	525232	525231
31mm to 32mm 1-7/32" to 1-17/64"	525177	525163	525178	525163	VRC-SB30	525234	525233	525236	525235
33mm to 34mm 1-19/64" to 1-11/32"	525178	VSC34	525179	VSC34	525265	VRC34-6R	VRC34-6L	VRC34-8R	VRC34-8L
35mm to 36mm 1-3/8" to 1-27/64"	525179	525164	525180	525164	520160	525238	525237	525240	525239
37mm to 38mm 1-29/64" to 1-1/2"	525180	525165	525181	525165	525266	525242	525241	525244	525243
39mm-40mm 1-17/32" to 1-37/64"	525181	525166	525182	525166	525267	525246	525245	525248	525247
41mm to 42mm 1-39/64" to 1-21/32"	525182	525166	525183	525166	VRC-SB41	525250	525249	525252	525251
43mm to 44mm 1-11/16" to 1-47/64"	525183	VSC44	525184	VSC44	525268	525270	VRC44-6L	VRC44-8R	VRC44-8L

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IMPORTANT CHOOSE CORRECT ROPE TYPE PRIOR TO ORDERING 	 6 or 8 Strand Ropes Only	 Armored or Multi Strand Ropes Only							
Size	Seals/Scrapers for 6 & 8 Strand Ropes Only		Seals/Scrape & Multi Strand Ropes Only for Armored		Smooth Bore	Rope Cleaner 6 Strand Ropes		Rope Cleaner Actual Rope 8 Strand Ropes	
	Seal Part No.	Scraper No.	Seal Part No.	Scraper No.	Rope Cleaner	Right Lay	Left Lay	Right Lay	Left Lay
45mm to 46mm 1-49/64" to 1-13/16"	525184	525167	525185	525167	VRC-SB45	525254	525253	525256	525255
47mm to 48mm 1-27/32" to 1-57/64"	525185	525168	525186	525168	520150	VRC48-6R	VRC48-6L	VRC48-8R	VRC48-8L
49mm to 50mm 1-59/64" to 1-31/32"	525186	525169	525187	525169	VRC-SB49	VRC50-6R	VRC50-6L	VRC50-8R	VRC50-8L
51mm to 52mm 2-1/64" to 2-3/64"	525187	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	525170	VSEAL62	525170	VMRC-SB62	VMRC62-6R	VMRC62-6L	VMRC62-8R	VMRC62-8L
63mm to 64mm 2-31/64" to 2-33/64	VSEAL62	VSC65	525188	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