

Seals Selection Guide

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.



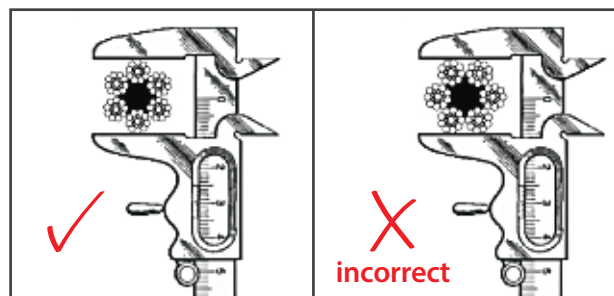
SEAL PART No.	SEAL SIZE	WIRE ROPE SIZE
VSEAL 8	5/16"	5/16" to 3/8"
VSEAL 8	8mm	8mm to 10mm
VSEAL 10	3/8"	7/16" to 15/32"
VSEAL 10	10mm	11mm to 12mm
VSEAL 13	1/2"	1/2" to 9/16"
VSEAL 13	13mm	13mm to 14mm
VSEAL 14	9/16"	19/32" to 5/8"
VSEAL 14	14mm	15mm to 16mm
VSEAL 16	5/8"	21/32" to 11/16"
VSEAL 16	16mm	17mm to 18mm
VSEAL 18	11/16"	3/4" to 25/32"
VSEAL 18	18mm	19mm to 20mm
VSEAL 20	25/32"	13/16" to 7/8"
VSEAL 20	20mm	21mm to 22mm
VSEAL 22	7/8"	29/32" to 15/16"
VSEAL 22	22mm	23mm to 24mm
VSEAL 24	15/16"	1" to 1-1/32"
VSEAL 24	24mm	25mm to 26mm
VSEAL 26	1 - 1/32"	1" to 1-1/8"
VSEAL 26	26mm	25mm to 28mm
VSEAL 28	1 - 1/8"	1-5/32" to 1-3/16"
VSEAL 28	28mm	29mm to 30mm
VSEAL 30	1 - 3/16"	1-1/4" to 1-5/16"
VSEAL 30	30mm	31mm to 33mm
VSEAL 33	1 - 5/16"	1-11/32" to 1-3/8"
VSEAL 33	33mm	34mm to 35mm

SEAL PART No.	SEAL SIZE	WIRE ROPE SIZE
VSEAL 35	1 - 3/8"	1-13/32" to 1-1/2"
VSEAL 35	35mm	36mm to 38mm
VSEAL 38	1 - 1/2"	1-17/32" to 1-19/32"
VSEAL 38	38mm	39mm to 41mm
VSEAL 41	1-19/32"	1-5/8" to 1-3/4"
VSEAL 41	41mm	42mm to 44mm
VSEAL 44	1-3/4"	1-25/32" to 1-13/16"
VSEAL 44	44mm	45mm to 46mm
VSEAL 46	1-13/16"	1-27/32" to 1-7/8"
VSEAL 46	46mm	47mm to 48mm
VSEAL 48	1-7/8"	1-15/16" to 1-31/32"
VSEAL 48	48mm	49mm to 50mm
VSEAL 50	1-31/32"	2" to 2-3/32"
VSEAL 50	50mm	51mm to 53mm
VSEAL 53	2-3/32"	2-1/8" to 2-5/32"
VSEAL 53	53mm	54mm to 55mm
VSEAL 55	2-5/32"	2-3/16" to 2-9/32"
VSEAL 55	55mm	56mm to 58mm
VSEAL 58	2-9/32"	2-5/16" to 2-3/8"
VSEAL 58	58mm	59mm to 60mm
VSEAL 60	2-3/8"	2-13/32" to 2-1/2"
VSEAL 60	60mm	61mm to 63mm
VSEAL 63	2 - 1/2"	2-1/2" to 2-9/16"
VSEAL 63	63mm	64mm to 65mm
VSEAL 65	2 - 9/16"	2-19/32" to 2-5/8"
VSEAL 65	65mm	66mm to 67mm

Wire Rope Measurement Guide

Determine the size of your wire rope(s). The viper wire rope lubricator can lubricate ropes from 5/16" (8mm) through to 2-5/8" (67mm). 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.

The illustrations show how to measure a wire rope correctly.



Scraper Selection Guide

Lubrication engineers 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.



Scraper Part No	Wire Rope Size	Wire Rope Size	Scraper Part No	Wire Rope Size	Wire Rope Size
	Imperial	Metric		Imperial	Metric
VSC8	5/16"	8	VSC38	1-1/2"	38
VSC9	11/32"	9	VSC39	1-17/32"	39
VSC10	3/8"	10	VSC40	1-9/16"	40
VSC11	7/16"	11	VSC41	1-19/32"	41
VSC12	15/32"	12	VSC42	1-5/8"	42
VSC13	1/2"	13	VSC43	1-11/16"	43
VSC14	9/16"	14	VSC44	1-3/4"	44
VSC15	19/32"	15	VSC45	1-25/32"	45
VSC16	5/8"	16	VSC46	1-13/16"	46
VSC17	21/32"	17	VSC47	1-27/32"	47
VSC18	11/16"	18	VSC48	1-7/8"	48
VSC19	3/4"	19	VSC49	1-15/16"	49
VSC20	25/32"	20	VSC50	1-31/32"	50
VSC21	13/16"	21	VSC51	2"	51
VSC22	7/8"	22	VSC52	2-1/16"	52
VSC23	29/32"	23	VSC53	2-3/32"	53
VSC24	15/16"	24	VSC54	2-1/8"	54
VSC25	1"	25	VSC55	2-5/32"	55
VSC26	1-1/32"	26	VSC56	2-3/16"	56
VSC27	1-1/16"	27	VSC57	2-1/4"	57
VSC28	1-1/8"	28	VSC58	2-9/32"	58
VSC29	1-5/32"	29	VSC59	2-5/16"	59
VSC30	1-3/16"	30	VSC60	2-3/8"	60
VSC31	1-1/4"	31	VSC61	2-13/32"	61
VSC32	1-9/32"	32	VSC62	2-7/16"	62
VSC33	1-5/16"	33	VSC63	2-1/2"	63
VSC34	1-11/32"	34	VSC64	2-1/2"	64
VSC35	1-3/8"	35	VSC65	2-9/16"	65
VSC36	1-13/32"	36	VSC66	2-19/32"	66
VSC37	1-7/16"	37	VSC67	2-5/8"	67

