

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.



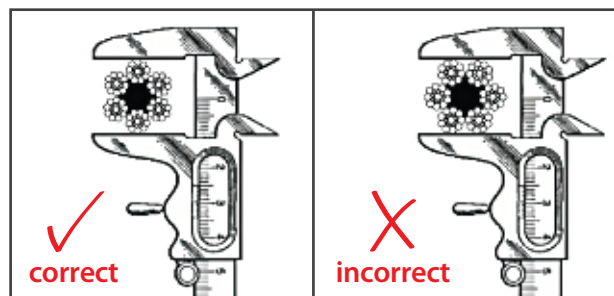
| SEAL PART No. | SEAL SIZE | WIRE ROPE SIZE |
|---------------|-----------|--------------------|
| VSEAL 8 | 5/16" | 5/16" to 3/8" |
| VSEAL 8 | 8mm | 8mm to 10mm |
| VSEAL 10 | 3/8" | 7/16" to 15/32" |
| VSEAL 10 | 10mm | 11mm to 12mm |
| VSEAL 13 | 1/2" | 1/2" to 9/16" |
| VSEAL 13 | 13mm | 13mm to 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 |