



Diamondback Sleeve Sizing

Diamondback Sleeve serves as a multiple purpose hose cover that can be used as Abrasion Protection OR Line of Sight Protection. It is important to understand the application so that the sleeve can be sized appropriately. Below is a sizing chart for both Abrasion and Line of Sight applications.



Abrasion Application Only Sizing

Sleeve applications where Abrasion is present cannot be used for Line of Sight protection.

Sleeve must be installed prior to final hose coupling being crimped.

Hose I.D.	Sleeve I.D.	Part Number
1/4"	.98"	DBK-025
3/8"	1.22"	DBK-031
1/2"	1.42"	DBK-036
5/8"	1.57"	DBK-040
3/4"	1.73"	DBK-044
1"	2.17"	DBK-055
1.25"	2.36"	DBK-060
1.50"	2.95"	DBK-075

Operator Line-of-Sight Sizing

Sleeve applications requiring Line of Site protection cannot be subject to Abrasion.

Line of Sight sleeve must be cut 2" longer than length of hose.

Line of Sight sleeve should be appropriately clamped to the hose with ferrules

Hose I.D.	Sleeve I.D.	Part Number
1/4"	.98"	DBK-025
3/8"	1.42"	DBK-036
1/2"	1.57"	DBK-040
5/8"	1.85"	DBK-047
3/4"	2.17"	DBK-055
1"	2.87"	DBK-073

Additional reference and source information can be found at:

- 1) Mechanical Design Guideline #41 (MDG41) is a document designed to outline "best practices" in relation to fluid power safety in minutes, published by the Industry & Investment NSW Government Mine Safety organization of AU.

<http://www.resourcesandenergy.nsw.gov.au>

- 2) EN 500-1 5.11.1 is the hose standard for operator safety protection as published by the British Standards Institution.

<http://www.shangde.org/filedown.php?id=28>

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