

Carbide Insert Valve Rod Guide

Wear-resistant rod guide

APPLICATIONS

- Any insert pump

BENEFITS

- Minimizes wear on valve rod guide
- Increases pump run life

FEATURES

- Three-piece assembly
- Nitronic® 50 clutch available
- Several metallurgy options
- Fluted or vertical discharge configurations

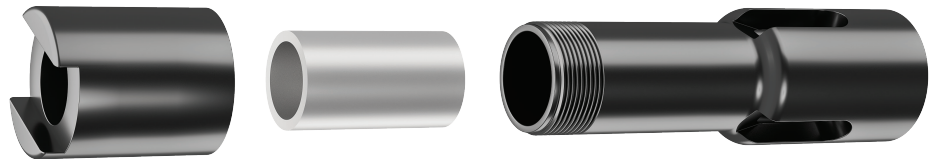
A critical component of pump performance and efficiency, the valve rod connects the sucker rodstring and the plunger, which pulls the fluid out of the pump and to the surface. The Don-Nan carbide insert valve rod guide protects the valve rod by stabilizing it during the pump stroke.

A standard valve rod guide incurs wear caused by rod buckling and well deviation. The Don-Nan carbide insert valve rod guide has an ID that is appropriately sized for the valve rod, minimizing wear on the valve rod guide and the valve rod. The Don-Nan carbide insert valve rod guide is especially helpful when sinker bars are used to assist the traveling assembly down through compression, because the carbide insert minimizes the wear caused by the additional weight of the sinker bars on the valve rod guide.

Designed for flexibility and cost savings

A standard rod guide is manufactured in one piece, and therefore limited to a single metallurgy. The Don-Nan carbide insert valve rod guide features a three-piece design composed of the clutch, carbide insert, and body. This design allows operators to replace individual components instead of the entire rod guide.

The three-piece design also enables the operator to choose from multiple metallurgies to better accommodate downhole conditions and increase run life.



The Don-Nan carbide insert valve rod guide comprises (from left to right) a clutch, carbide insert, and body. (Fluted style pictured)

Don-Nan Carbide Insert Valve Rod Guide Specifications

Guide Type	Tubing Size, in [mm]	Valve Rod Size, in [mm]
Fluted or vertical discharge	2 $\frac{3}{8}$ [60.325]	1 $\frac{1}{16}$ [17.4625]
	2 $\frac{7}{8}$ [73.025]	$\frac{7}{8}$ [22.225]
	2 $\frac{7}{8}$ [73.025]	1 $\frac{1}{16}$ [26.9875]