

# HGG Elevator

The HGG is National Oilwell Varco's newest bottleneck elevator. Continuing with our innovative solutions the HGG offers several different operating configurations. These different configurations can reduce capital expenditures, increase operational flexibility and reduce safety incidents.

## Standard Features

Standard features on all four models include ported latch and hinge areas and pipe sizes from 4" to 6 $\frac{5}{8}$ ".

Elevator configurations include:

- Regular Manual
- Bore Bushings
- Wear Bushings
- Hydraulic Actuated

The above configurations offer diverse solutions for contractors requirements.

## CONFIGURATION OPTIONS

The HGG is available in the following configurations:

### Bushed Elevator

Designed with Bore Bushings to accommodate pipe sizes from 4" to 6 $\frac{5}{8}$ ". No need to purchase additional elevators for different pipe sizes. Simply change to the required bushings! The Bushed elevator can be used in Manual or Hydraulic actuated configurations.

### Hydraulic Actuated

Can reduce safety incidents with hydraulic actuation. Built in "visual" indicator exhibits open or closed position of elevator latch. The overall dimensional envelope is smaller than competing designs. Our hydraulic Actuation System is located inside the integrally cast housing below the Elevator body for added protection. The Hydraulic Model Options include: Wear Bushings and Bore Bushings.

### Wear Bushing

A removable bushing installed in the bottom section of the elevator, the wear bushing prevents bore deterioration in top drive applications where drill pipe is rotating inside the elevator bore.

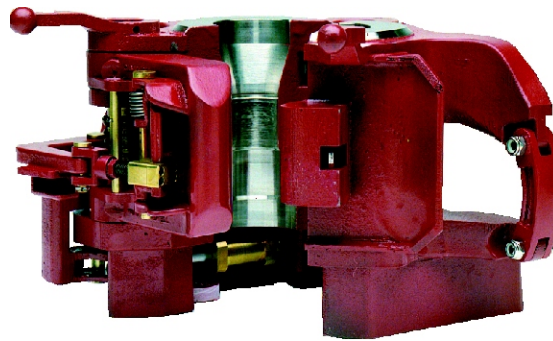
### Manual HGG

The Manual HGG Elevator assembly can be ordered with either wear and bore bushings or both. Additionally, it can be ordered as a regular Bottleneck Elevator. All standard features listed above are included in the Manual Assembly.

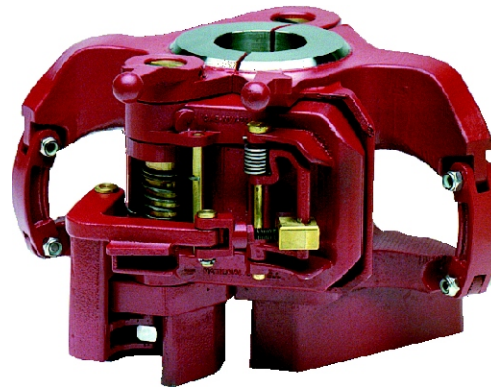
### API Certification

API 8C Certification is available upon request.

For additional information, please contact your National Oilwell Varco Representative today.



HGG Hydraulic Actuated Elevator with Wear Bushing Groove shown



HGG Hydraulic Actuated Elevator

**HGG Elevator**

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 **NATIONAL OILWELL VARCO**

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## HGG Elevator Configurations

Features	Elevator Style							
	Manual Elevator	Manual Elevator w/ Wear Bushings	Manual Elevator w/ Bore Bushings	Manual Elevator w/ Bore & Wear Bushings	Regular Hydraulic Actuated Elevator	Hydraulic Actuated Elevator w/ Wear Bushings	Hydraulic Actuated Elevator w/ Bore Bushings	Hydraulic Actuated Elevator
Wear Bushings		●		●		●		●
Ported Latch and Hinge Areas	●	●	●	●	●	●	●	●
Visual Latch Status Indicator				●	●	●	●	●
Hydraulic Ram Mechanism					●	●	●	●
Pipe Sizes 4" to 6½"	●	●	●	●	●	●	●	●
18° Bottleneck Taper	●	●	●	●	●	●	●	●
Bore Bushings			●	●			●	●
500 Ton Load Rating	●	●	●	●	●	●	●	●
Smaller Dimensional Envelope				●	●	●	●	●

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