



# *Gravel-Pack Closing Sleeve Model G1*

Weatherford's Model G1 gravel-pack closing sleeve provides the control path to the annulus for sand-slurry flow in gravel-pack completions. After the slurry is placed, the sleeve closes and provides reliable, long-term isolation of the inside of the well screens from the slurry. The sleeve is used with Weatherford's BlackCat™ GP retrievable sealbore packer and Model 4P crossover tool.

Casing extensions are installed above and below the sleeve housing to accommodate the crossover tool during deployment. A shifting tool installed as part of the crossover tool opens and closes the sleeve. The sleeve is usually deployed in the *open* position, enabling the workstring to fill with fluid as the gravel-pack assembly is deployed in the well.

After the assembly is on depth and the packer is set, the sand slurry is pumped and exits the sleeve, entering the annulus around the screen.

A sealbore below the sleeve enables the crossover tool to seal below the ports, isolating the slurry flow path.

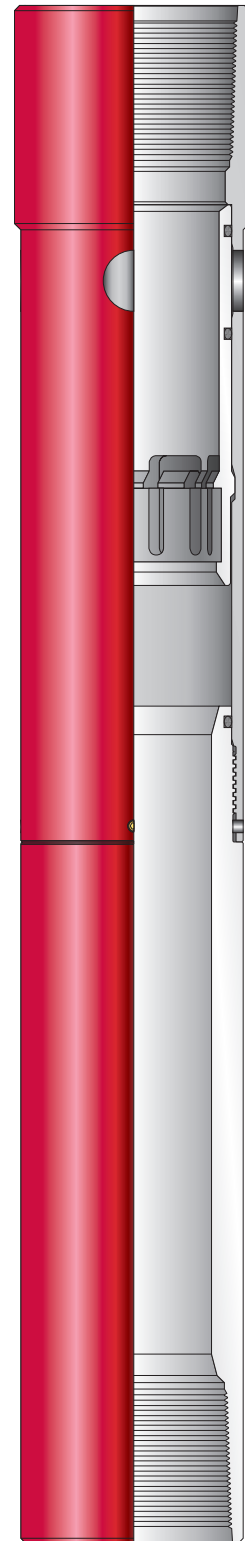
After the job, the sleeve is shut as the crossover and shifting tools are withdrawn. The annulus above the screen is isolated from the flow stream, preventing inadvertent sand flow through the gravel-pack ports. The closed, sealed ports also effectively enable the installation of zonal isolation devices in the blank and screen setting. The collet design enables the sleeve to be repeatedly opened and closed.

## *Applications*

- Gravel packing
- Fluid change in openhole completions

## *Features, Advantages and Benefits*

- The rugged construction of the sleeve enables it to be opened and closed multiple times and still maintain the sealing integrity.
- The large flow area for the sand slurry reduces the risk of erosion, contributing to a better gravel pack.





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### *Specifications*

Sealbore size (in./mm)	3.00 76.2	4.00 101.6	4.75 120.7
Maximum OD (in./mm)	4.53 115.1	5.82 147.8	7.40 188.0
Minimum ID (in./mm)	3.00 76.2	4.00 101.6	4.75 120.7
Top thread box connection	4-in. 8 SA <sup>1</sup>	5 1/2-in. LT&C <sup>2</sup>	6 5/8-in. ST&C <sup>3</sup>
Bottom thread box connection	4-in. NU 8rd	5-in. LT&C	6 5/8-in. ST&C
Flow port area (in. <sup>2</sup> /cm <sup>2</sup> )	10.125 65.322	7.069 45.606	
Part numbers			
Closing sleeve	783723	173441	752957
Standard upper extension	Included	785887	1322683
Standard lower extension	806142	795091	1322675

<sup>1</sup>Stub Acme

<sup>2</sup>Long thread and coupling

<sup>3</sup>Short thread and coupling

Note: Extensions to complete the assembly must be ordered separately

### *Options*

- The sleeve is available in standard and premium metals.
- Though the sleeve has standard oilfield connections, the casing extensions can be modified to meet rig requirements.