

# Flow Control

## CMS-A Sliding Sleeve

The CMS-A Sliding Sleeve installed in the production string provides a convenient way to establish or shut off communication between the tubing and the annulus. It is opened and closed by shifting an inner sleeve either up or down by standard wireline methods. Any number of these sleeves may be run in a tubing string. Any or all of the sleeves may be opened or closed in one run by standard wireline methods.

The Model B Shifting Tool is used to open {jarring up} or close {jarring down} the CMS-A Sliding Sleeve.

### Features and Benefits

- Ports can be closed without leaving any obstructions in the tubing once the shifting operation is completed
- The Model B Shifting Tool is used to open {jarring up} or close {jarring down} the CMS-A Sliding Sleeve
- EUE Connection Standard, Premium threads available on request
- Chevron packing stack above and below communication ports

SIZE INCHES / mm	MAX OD INCHES / mm	SEAL BORE INCHES / mm	FLOW PORT AREA SQUARE INCHES	THREAD CONNECTION
2.375 / 60,33	3.063 / 77,80	1.875 / 47,63	1.804	2.375 EU 8RD P X P
2.875 / 73,03	3.688 / 93,17	2.313 / 58,75	2.405	2.875 EU 8RD B X P