

MMA Series Side Pocket Mandrels

Oval forged side pocket mandrels for 1.5-in [38.1-mm] valves

APPLICATIONS

- Installation and retrieval of side pocket devices by standard slickline methods
- Annular lift applications

FEATURES

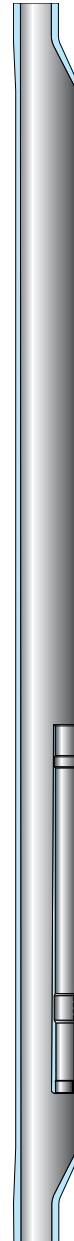
- Premium materials
- No washout holes
- Accommodation for normal slickline operations through the tubing

The side pocket of the Camco gas lift MMA series mandrels allows room for the operation of running tools, pulling tools, and kickover tools that are used to install and retrieve side pocket devices by standard slickline methods. Manufactured from premium materials, MMA series side pocket mandrels have eccentric swages on both ends that are threaded in a range of tubing connection sizes for installation as part of the tubing string. All MMA series side pocket mandrels are constructed of oval pipe, and most offer full-tubing drift ID to accommodate normal slickline operations through the tubing.

MMAEC series mandrels

MMAEC series mandrels are designed for annular lift applications and feature a snorkel that functions as an exhaust port. Located at the bottom of the side pocket, the snorkel extends down and into the casing annulus. The holes in the mandrel side pocket communicate directly with the tubing.

Neither the MMA series nor the MMAEC series mandrels have washout holes.



MMA series side pocket mandrel.