

Multi-Plug Launching System



The Tesco Multi-Plug Launching System (MPLS) is built to remotely launch multiple plugs, or darts, for regular and multi-stage cementing in onshore or offshore applications.

This MPLS, in standard configuration, measures approximately 7.5 ft (2.3 m) long and is made up of two simple chambers in a launching cylinder. A release mechanism allows each plug to drop away remotely. This system removes the need for manual plug launching, and the MPLS maximizes safety and efficiency in tubular running and cementing operations.

The modular design of the MPLS allows for additional plugs to be launched by simply adding body segments to the unit. Plug loading can be performed in the shop, prior to going to location. The simple design of the MPLS also allows for disassembly on location to pre-load plugs, prior to rigging up in the derrick, without the need for a bucking unit.

Although the MPLS can be run without a casing running tool, optimum performance and maximum value is best achieved when it is used in conjunction with a Casing Drive System™ (CDS) or Compact Casing Drive System™ (CCDS) to simplify, speed up and more fully automate the transition from casing running to cementing.

*All specifications are subject to customization and continuous product improvement.

FEATURES & BENEFITS

- Wireless launching system
- Can be quickly and easily made up to the top drive
- Can be quickly connected to a CDS or CCDS with a pup joint
- Can be disassembled without the need for special tools
- Designed and rated according to API 8C
- CSA Class 1 Div. 1

TECHNICAL SPECIFICATIONS*

Hoisting Capacity	500 ton (454 Tonnes)
Working Pressure	10,000 psi (68,947 kPa)
Maximum Rotational Speed	Limited by Side Entry Swivel Sub
Right-Hand Torque	50,000 ft/lb (6,779 daN-m)
Left-Hand Torque	30,000 ft/lb (4,067 daN-m)
Max Flow Rate	398 GPM (1.5 m ³ /min)
Plug Size	2 - 7 in. (50.8 - 177.8 mm)
Top Connection	API 6% in.
Bottom Connection	Dependent on casing (2 - 7 in. casing)
Operating Temperature	-20° to +55°C (-4° to +131°F)
Overall Length	7.6 ft. (2.3 m) for two-stage jobs, add 1.6 ft (0.5 m) for additional stage