

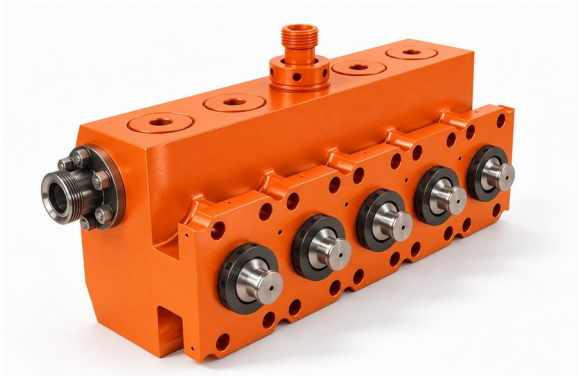
FLUID END PRODUCTS

FE-2500Q

QUINTUPLEX FLUID END

A configurable five-cylinder fluid end for 2,500 BHP quintuplex fracturing pumps.

Valve-over-valve architecture with serviceable stuffing boxes, OPI EnduraCore™ metallurgy and configurable OP or XP consumable packages.



FE-2500Q FULLY LOADED ASSEMBLY | REPRESENTATIVE

PRODUCT CONFIGURATION

PUMP APPLICATION

2,500 BHP class quintuplex pumps

PLUNGER SIZES

4.0 in and 4.5 in

SUPPLY OPTIONS

Fully loaded assembly or bare fluid-end block

Images are representative. Final geometry, manifold orientation, connection details and interface dimensions are confirmed against the OPI quotation and approved technical schedule.

2,500	196,350 lbf	8 in	5
PUMP BHP CLASS	ROD-LOAD CLASS	PUMP STROKE	CYLINDERS

Pump horsepower identifies the application class, not universal interchangeability. Fitment is confirmed against the pump model and approved interface drawings.

1 FE-2500Q FLUID END ADVANTAGES

A configurable quintuplex fluid-end package combining maintainable construction, controlled metallurgy and OPI consumable support.

PUMP APPLICATION	EASE OF MAINTENANCE
For 2,500 BHP-class quintuplex pumps. Model-specific mounting and connection compatibility require confirmation.	Five-cylinder valve-over-valve layout supports straightforward valve, seat, packing and plunger changes.
PREMIUM MATERIAL SYSTEM	OPI CONSUMABLE SUPPORT
OPI-controlled metallurgy targets combined strength, toughness, cyclic-fatigue resistance and demanding-fluid capability.	Available with either OP or XP plungers, packing, wing-guided valves and removable seats.

2 PLUNGER SIZE AND PUMP MODELS

Current FE-2500Q offerings cover two plunger sizes. Flow rates shown correspond to 330 rpm, 8-inch stroke and 100% volumetric efficiency.

Plunger size	Pump	Max flow rate	Max pressure	OPI consumables
4.0 in	2,500 BHP quintuplex class	718 GPM	15,600 psi	OP or XP
4.5 in	2,500 BHP quintuplex class	908 GPM	12,400 psi	OP or XP

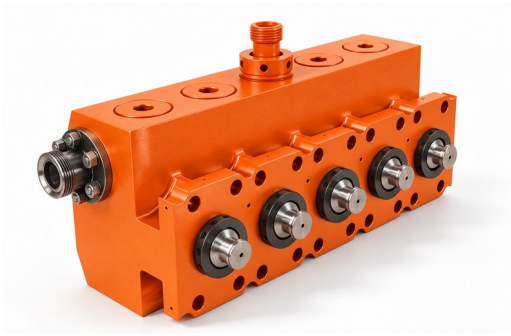
3 OPI ENDURACORE™ MATERIAL SYSTEM

OPI EnduraCore™ is a controlled high-strength fluid-end material system selected for severe cyclic fracturing duty. Material grade, chemistry, mechanical properties, heat treatment and hardness are confirmed through the approved OPI quotation and quality documentation.

Performance benefit	OPI EnduraCore™ system
Service application	Designed for severe cyclic high-pressure fracturing duties.
Material strength	Controlled material grade, forging quality and heat treatment selected for combined strength and toughness.
Fatigue resistance	Enhanced fatigue-performance potential through material selection, geometry, surface condition and process control.

ENGINEERED FOR LONGER-LIFE POTENTIAL	HARDNESS IS ONE CONTROL - NOT THE WHOLE STORY
Material, geometry, surface condition and autofrettage are combined to pursue improved fatigue resistance and reduced downtime in severe duty.	Fluid-end life also depends on toughness, fatigue strength, corrosion resistance, geometry, surface condition, heat treatment, autofrettage and operating practice. Higher hardness alone is not proof of longer life.

4 FE-2500Q DIMENSIONS AND ARRANGEMENT

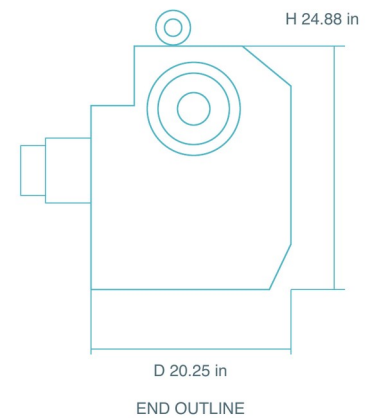
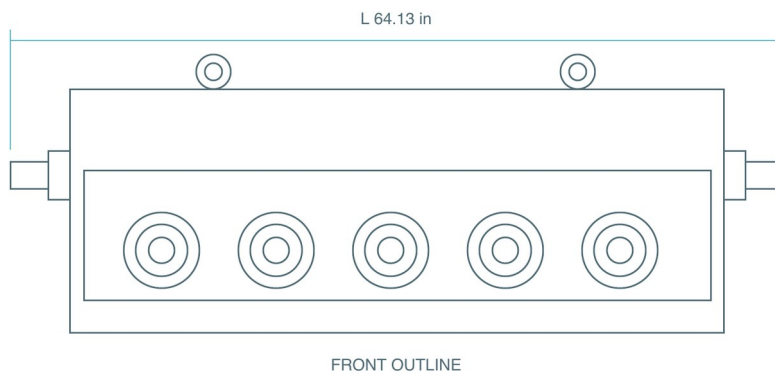


FE-2500Q REAR VIEW | REPRESENTATIVE



FE-2500Q FRONT VIEW | REPRESENTATIVE

4.1 MAIN OUTLINE DIMENSIONS



2500Q ASSEMBLY DIMENSION REFERENCE

Dimensions are in inches. Not to scale.

5 CONNECTION AND CONSUMABLE OPTIONS

Select the outlet configuration and OPI consumable package to suit the pumping programme. Final connection ratings, orientation and component configuration are confirmed at quotation and order stage.

Configuration	Available options	Notes
Discharge flange	2 in or 3 in; 1502 / 2002; male or female	Selected by pressure class
Gauge connection	2 in 1502 / 2002 WECO-type interface	Selected by pressure class
Suction manifold	Suction manifold available on request	Manifold type confirmed at quotation
Consumables	OP standard-duty or XP premium-duty package	Plunger, packing, wing-guided valves and seats
Plunger sizes	4.0 and 4.5 in	Available in OP and XP variants

ENGINEERING AND COMMERCIAL NOTES

Product designs, materials and specifications may change through continuous engineering development. Selection, compatibility, performance expectations and compliance are valid only against the OPI quotation, order acknowledgement and approved technical schedule. Images are representative and do not constitute a manufacturing definition.

SPEAK TO OPI SALES

Provide the pump model, operating duty and interface information above for verification and an OP / XP recommendation.

OPI SALES

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DOCUMENT ISSUE

Document ID	Revision	Product range	Publication
OPI-FE2500Q-DS-001	H	FE-2500Q	September 2026