HFS-I Series Stepped Hydraulic Flange Spreaders

Mechanical ratchet, external hydraulic, and integral pump stepped flange spreaders rated for 700 Bar (10,000 PSI), engineered for pipeline overhaul, gasket replacement, and valve maintenance with 6 mm access gap across 140 to 240 kN spreading force.



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SPREADING FORCE **140 - 240 kN (14 - 24 Metric Tons)**	MAX WORKING PRESSURE **700 Bar (10,000 PSI)**	MIN ACCESS GAP (A) **6.0 mm (0.24 in) Ultra-Slim Clearance**
MAX SPREADING DISTANCE **6.0 - 103.5 mm (4.07 in) with Stepped Blocks**	ACTUATION OPTIONS **Mechanical Ratchet, External 700 Bar & Integral Pump**	SAFETY & ERGONOMICS **360° Revolving Grip, Zero Pinch & Safety Lanyard**

Model Number	Actuation Mechanism	Max Spreading Force Per Tool [kN (Ton)]	Max Spread [mm]	Min Gap (A) [mm]	Jaw Width [mm]	Tool Weight [kg]	Kit Weight [kg]	Tool Head Model
HFS-I1214TM	Mechanical (Manual Ratchet)	140 (14 T)	103.5	6.0	60	6.2	17.0	HFS-I12/14TM
HFS-I2025TE	External Hydraulic (Tool Only)	240 (24 T)	103.5	6.0	60	6.4	15.0	HFS-I20/25TE
HFS-I2025TESTD	External Hydraulic (Standard Single Kit)	240 (24 T)	103.5	6.0	60	6.4	27.5	HFS-I20/25TE
HFS-I2025TEMAX	External Hydraulic (Twin Maxi Kit - 2x Tools)	240 (24 T)	103.5	6.0	60	6.4	38.8	HFS-I20/25TE (×2)
HFS-I2025TI	Integral Hydraulic (Built-in Hand Pump)	240 (24 T)	103.5	6.0	60	8.5	17.5	HFS-I20/25TI

HFS-I Series Stepped Hydraulic Flange Spreaders - Turnkey Flange Spreader Maxi Kit Contents

Qty	Included Component	Model / Technical Specification
2 ×	Stepped Flange Spreader Wedgehead	HFS-I20/25TE (240 kN / 24 Ton per Head, 6.0 mm Min. Access Gap)
2 ×	High-Pressure Hydraulic Cylinder	700 Bar (10,000 PSI) Single-Acting Hydraulic Cylinder
2 ×	Stepped Safety Block	Forged Alloy Steel Mechanical Load-Holding Safety Block
2 ×	Safety Lanyard	1.0 m (39.4 in) Heavy-Duty Structural Tethering Lanyard
2 ×	High-Pressure Hydraulic Hose	2.0 m (78.8 in), 700 Bar (10,000 PSI) Hose with 90° Elbow
1 ×	Twin-Port Sealed Hand Pump with Gauge	HPM-550D (700 Bar / 10,000 PSI Dual-Outlet Pump & Calibrated Gauge)
1 ×	Heavy-Duty Transport Case	930 × 600 × 180 mm (36.6 × 23.6 × 7.1 in)

Engineering Note: Kit Model: HFS-I2025TEMAX | Molded Case Dimensions: 930 × 600 × 180 mm (36.6 × 23.6 × 7.1 in) | Gross Kit Weight: 38.8 kg.