HFT Series 700 Bar High-Pressure Forged Pipe Fittings

Solid forged high-tensile steel high-pressure pipe fittings rated for 700 Bar (10,000 PSI), engineered for rigid leak-free circuit plumbing, 90° directional routing, and multi-line tees across 1/4" and 3/8" NPT and BSP connections.



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PRODUCT SERIES
HFT Series 700 Bar High-Pressure Forged Pipe Fittings

RATED WORKING PRESSURE
700 Bar (10,000 PSI) Continuous Industrial Rating

THREAD STANDARDS
NPTF / BSPT Dry-Seal Tapered & ISO 228/1 G1/4" BSPP Parallel Threads

MATERIAL & CONSTRUCTION
Solid Precision CNC Forged High-Tensile Carbon & Alloy Steel

CORROSION PROTECTION
Heavy-Duty Electro-Plated Zinc Passivation Coating

FITTING CONFIGURATIONS
Straight Couplings, Hex Nipples, Conversion Adapters, 90° Street Elbows, Tees

Model Number	Fitting Architecture	Connection End 1	Connection End 2	Dimensions [mm]	Hex / Body [mm]	Max Working Pressure	Material & Finish	Application Circuit Remarks
HFT-11	Straight Female Coupling	3/8"-18 NPT Female	3/8"-18 NPT Female	L = 32	Hex 24	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	Connects two 3/8" NPT male fittings or hoses directly
HFT-12	Extended Hex Nipple	3/8"-18 NPT Male	3/8"-18 NPT Male	L = 51	Hex 19	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	Extended 51 mm neck length for deep port manifold clearance
HFT-13	Standard Hex Nipple	3/8"-18 NPT Male	3/8"-18 NPT Male	L = 37	Hex 19	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	Standard 37 mm coupler nipple for joining two 3/8" NPT female ports
HFT-14	Parallel BSP Hex Nipple	1/4"-BSP Male	1/4"-BSP Male	L = 43	Hex 19	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	British Standard Pipe parallel connector with bonded seal face
HFT-15	Compact 1/4" Hex Nipple	1/4"-18 NPT Male	1/4"-18 NPT Male	L = 34	Hex 17	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	High pressure 1/4" NPT line nipple for compact tools & pumps
HFT-16	Reducing Hex Nipple	1/4"-18 NPT Male	3/8"-18 NPT Male	L = 36	Hex 19	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	Adapts 1/4" NPT pump/tool port directly to 3/8" NPT circuits
HFT-181	Compact Straight Female Coupling	1/4"-18 NPT Female	1/4"-18 NPT Female	L = 30	Hex 22	700 Bar (10,000 PSI)	Forged Steel, Zinc-Plated	Inline coupler for dual 1/4" NPT male connections
HFT-21	90° Reducing Street Elbow	1/4"-18 NPT Male	3/8"-18 NPT Female	45 × 35 (C-C 25)	25 × 24	700 Bar (10,000 PSI)	Forged High-Strength Steel	90-degree directional transition from 1/4" male to 3/8" female
HFT-22	90° Standard Street Elbow	3/8"-18 NPT Male	3/8"-18 NPT Female	45 × 35 (C-C 25)	25 × 24	700 Bar (10,000 PSI)	Forged High-Strength Steel	90-degree elbow to change hose angle and prevent severe bends
HFT-23	90° Female Reducing Elbow	1/4"-18 NPT Female	3/8"-18 NPT Female	35 × 35	25 × 25	700 Bar (10,000 PSI)	Forged High-Strength Steel	Right-angle female junction connecting 1/4" and 3/8" NPT lines
HFT-31	3-Way Female Equal Tee	3/8"-18 NPT Female (x3)	Equal 3-Port T-Junction	45 × 35	25 × 25	700 Bar (10,000 PSI)	Forged High-Strength Steel	Splits or merges hydraulic flow into multiple branch circuits