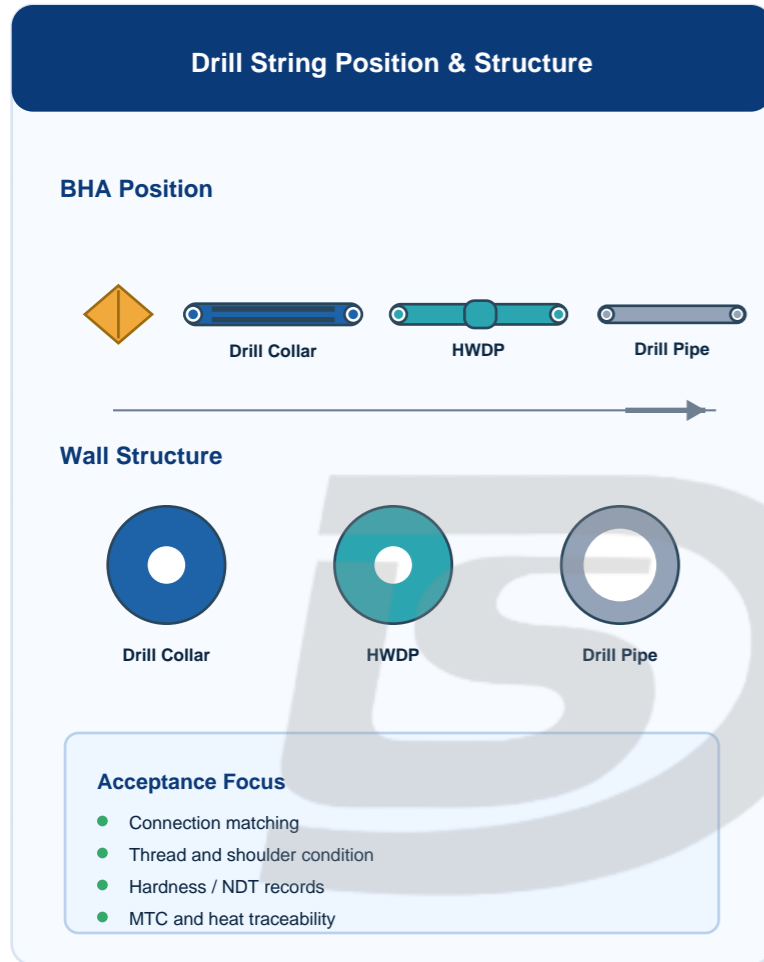


# Drill Collar vs Drill Pipe vs Heavy Weight Drill Pipe

Integrated figure-and-table reference for BHA role, structure, flexibility and acceptance focus



Item	Drill Collar	Heavy Weight Drill Pipe	Drill Pipe
<b>Main position</b>	Near the bit in BHA	Transition between drill collar and drill pipe	Main drill string section
<b>Main function</b>	Provides weight on bit and stiffness	Reduces stiffness transition and stress concentration	Transmits rotation and drilling fluid
<b>Wall structure</b>	Very thick wall	Heavier than drill pipe; lighter than drill collar	Relatively thin wall compared with drill collar
<b>Flexibility</b>	Lowest	Medium	Highest
<b>Common risk focus</b>	Thread shoulder damage, hardness, bore, cracking, magnetic property	Wear, hardbanding, connection, transition stress	Fatigue, tool joint, pipe body wear, weld zone
<b>Selection basis</b>	OD, ID, length, weight, connection, material, magnetic property	Size, connection, central upset, hardbanding, length	Grade, OD, wall thickness, connection, tool joint

**Buyer takeaway:**

Drill collars provide near-bit weight and stiffness; HWDP works as the transition section; drill pipe carries the main string. For procurement, check connection matching, thread inspection, hardness/NDT records and MTC traceability together before shipment release.