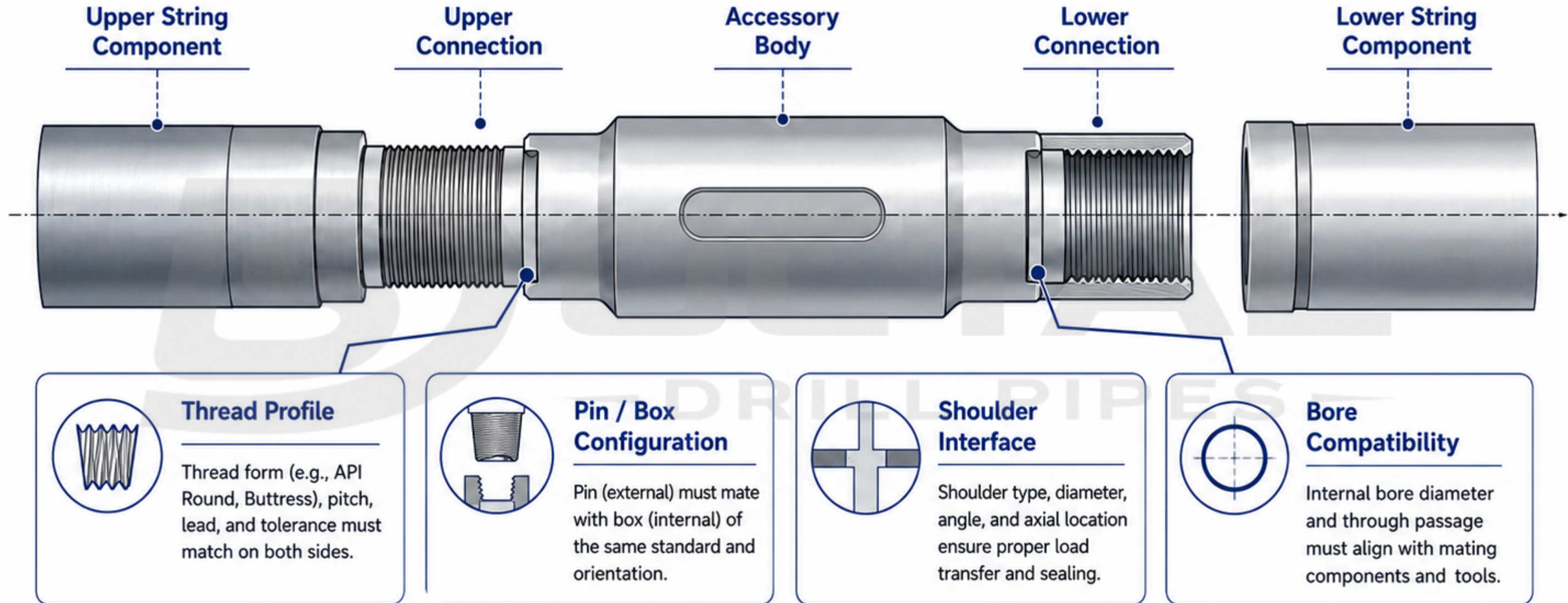


Drill String Accessory Connection Compatibility Reference Guide

PAGE 1 - CONNECTION INTERFACE OVERVIEW

Connection compatibility starts from correct interface definition.

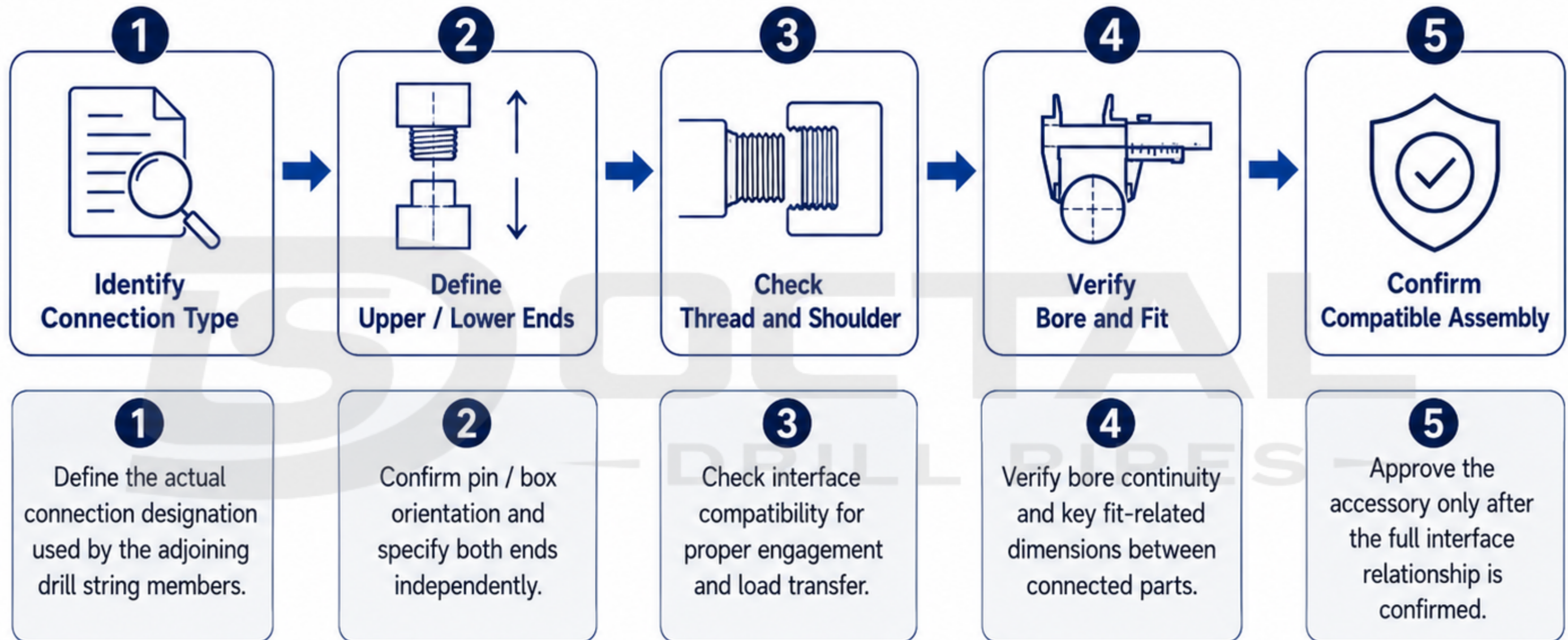


A compatible accessory is defined by matching interfaces between connected components, not by nominal size alone.

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PAGE 2 - VERIFICATION LOGIC

Connection compatibility should be verified in a defined sequence.



A reliable verification sequence checks connection type, orientation, interface geometry and assembly fit together.

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PAGE 3 - APPLICATION MATCHING

Different accessory functions create different connection requirements.



Crossover Sub

Connection Transition

Matches different upper and lower connection systems when direct make-up is not possible.



Pup Joint

Length Adjustment

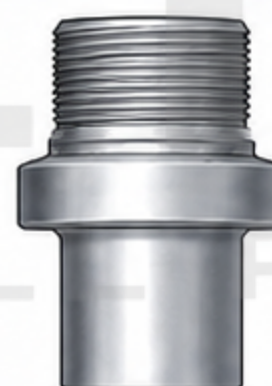
Maintains compatible end connections while introducing a controlled short section into the assembly.



Saver Sub

Connection Protection

Matches the protected interface and helps absorb repeated make-up and break-out wear.



Bit Sub

Tool Integration

Provides compatibility between drilling tools and adjoining BHA components.



Drill String
Position



Required
Function



Connection
Requirement



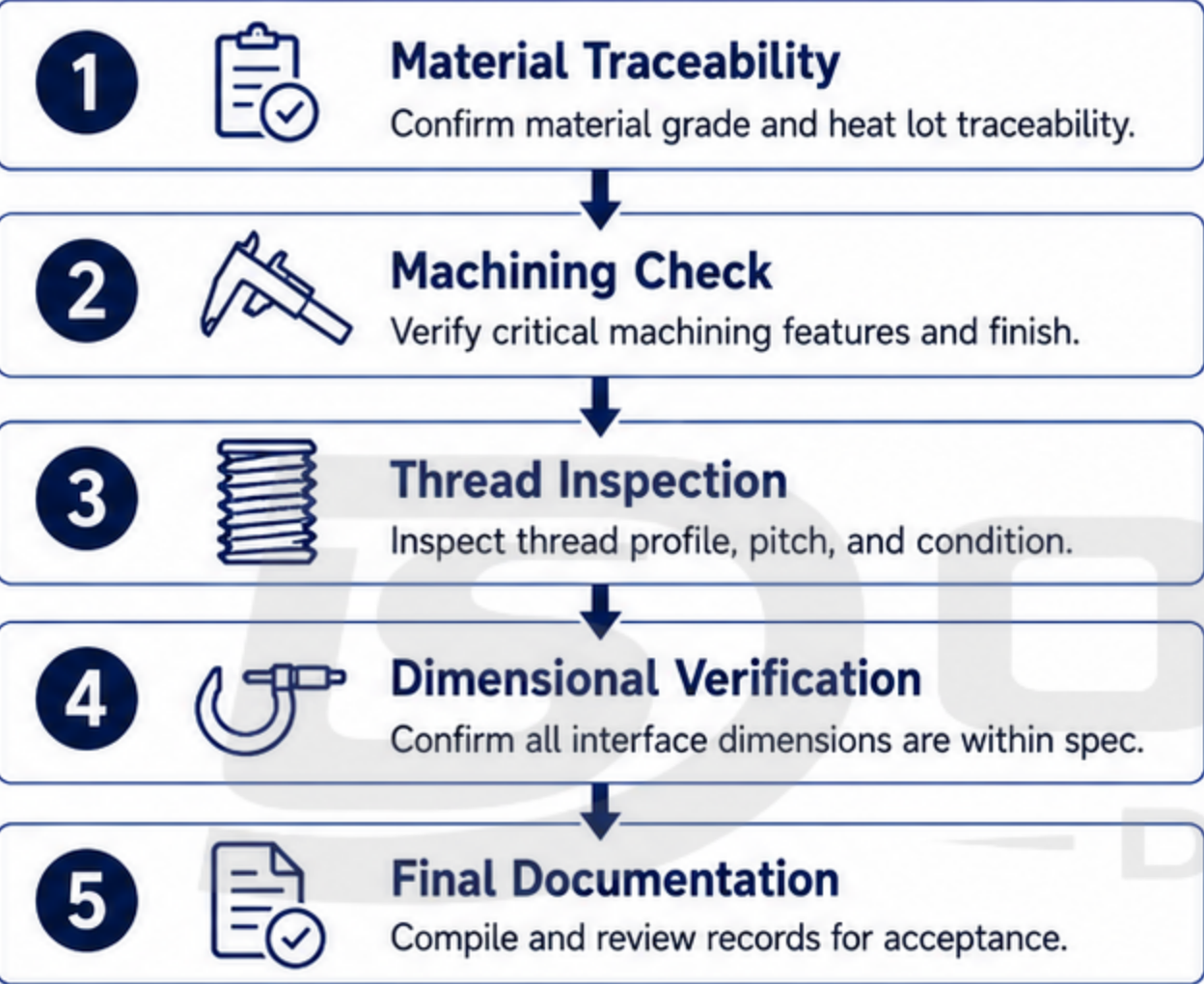
Suitable
Accessory



The connection requirement should be defined from the surrounding components first, and only then translated into the accessory configuration.

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Verified compatibility should be supported by inspection and documentation.



Verification Item	Purpose
Thread inspection	Confirm thread condition and profile before assembly.
Dimensional verification	Confirm interface dimensions and fit-related geometry.
Shoulder inspection	Verify contact condition for load transfer.
Material documentation	Maintain traceability to the supplied accessory.
Inspection records	Support quality acceptance and installation confidence.



Thread Condition
Clean, undamaged threads ensure reliable engagement.



Interface Fit
Proper fit ensures sealing and load transfer.



Traceability
Trace materials and processes to the supplied accessory.



Acceptance Records
Complete records support confidence and compliance.

QA Reliable assembly requires verified compatibility before accessory installation.