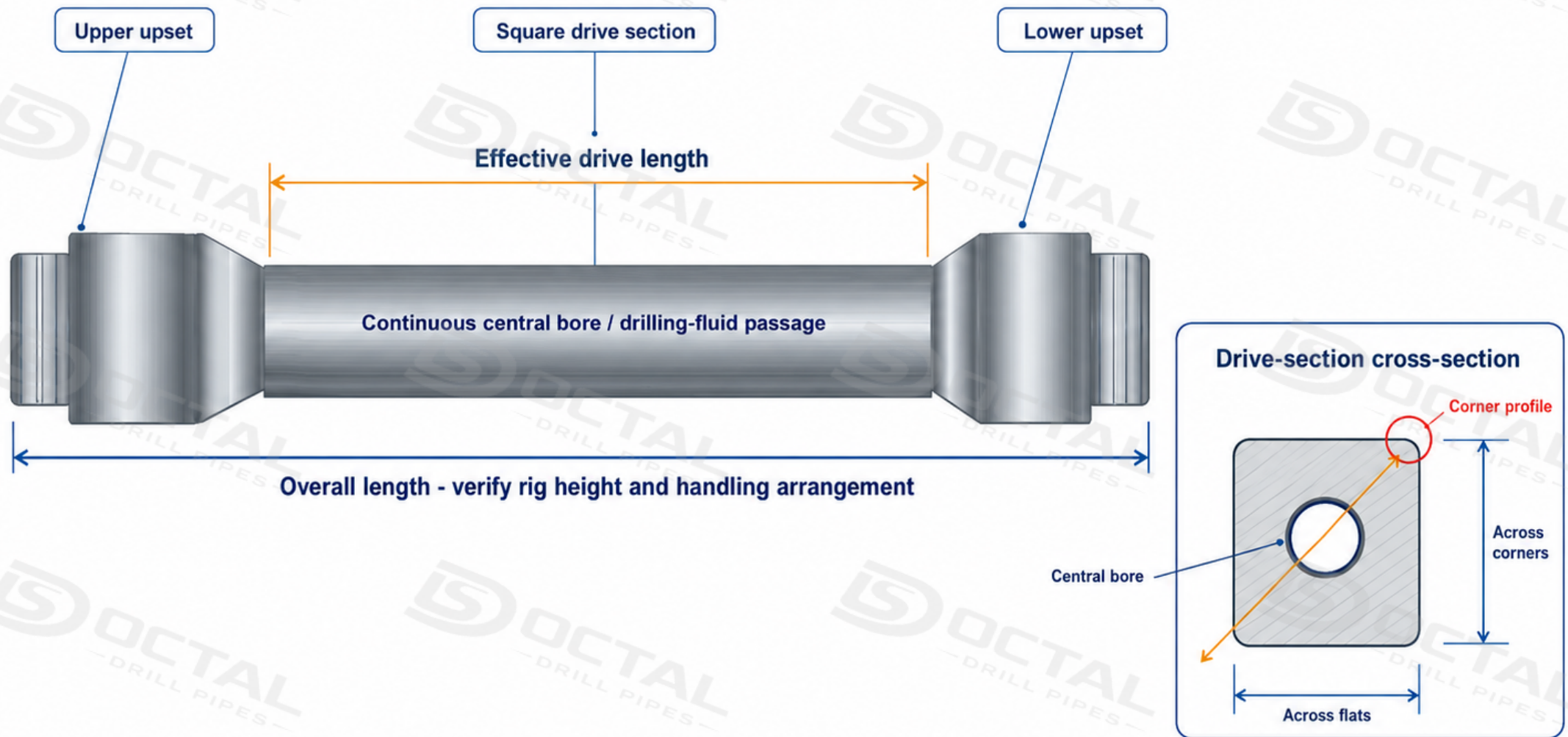




Typical configuration only. Connection designation, thread hand, pin/box form and dimensions shall follow the approved drawing and purchase order.

ID	Drive profile	Nominal profile size	Overall length	Effective drive length	Across flats	Across corners	Bore	Approx. weight
S-35	Square	3-1/2 in.	40 ft	37 ft	3-1/2 in.	4.437 in.	2-1/4 in.	1,323 lb
S-425	Square	4-1/4 in.	40 ft	37 ft	4-1/4 in.	5.500 in.	2-13/16 in.	1,852 lb
H-35	Hexagonal	3-1/2 in.	40 ft	37 ft	3-1/2 in.	3.937 in.	1-3/4 in.	1,168 lb
H-525	Hexagonal	5-1/4 in.	40 ft	37 ft	5-1/4 in.	5.900 in.	2-13/16 in.	2,227 lb
H-6	Hexagonal	6 in.	40 ft	37 ft	6 in.	6.812 in.	3-1/2 in.	2,403 lb
EXT	Square / hex	Selected sizes	54 ft	51 ft	Per approved drawing	Per approved drawing	Per approved drawing	Per approved drawing

ID	Upper connection / hand	Upper upset OD	Lower connection / hand	Lower upset OD	Packing method
S-35	6-5/8 REG / LH	7-3/4 in.	NC38 / RH	4-3/4 in.	Steel scabbard + thread protectors
S-425	6-5/8 REG / LH	7-3/4 in.	NC50 / RH	6-3/8 in.	Steel scabbard + thread protectors
H-35	4-1/2 REG / LH	5-3/4 in.	NC31 / RH	4-1/8 in.	Steel scabbard + thread protectors
H-525	6-5/8 REG / LH	7-3/4 in.	NC46 / RH	6-1/4 in.	Steel scabbard + thread protectors
H-6	7-5/8 REG / LH	8-3/4 in.	NC56 / RH	7 in.	Steel scabbard + thread protectors



Representative supplier configurations—not universal API limits.

All dimensions are nominal. Verify critical dimensions and connections with the supplier approved drawing and confirm rig compatibility prior to purchase or use.

Rig Compatibility and Replacement Measurement Sheet

Confirm the complete operating interface before production or replacement

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Rig compatibility matrix

Interface	Confirm	Acceptance evidence
Rotary table	Operating arrangement and available opening	Rig equipment schedule
Master bushing	Correct size and rotary-table interface	Bushing ID / drawing
Kelly bushing	Square or hex internal profile and contact condition	Bushing ID + measured profile
Operating clearance	Free vertical travel without impact or binding	Approved fit / project criterion
Swivel-side equipment	Upper end position, connection, hand, pin/box	Mating component drawing
Saver sub	Lower connection compatibility and bore continuity	Saver-sub drawing / marking
Drill-pipe tool joint	Connection family, OD, ID and shoulder match	Tool-joint schedule
Available rig height	Overall length, handling and stand clearance	Rig height review
Effective kelly travel	Working length within operating envelope	Rig procedure / drilling program
Fluid passage	Continuous bore through both ends and body	Bore schedule / dimensional report

Replacement-kelly measurement sheet

Project / rig: _____

Existing marking

Nominal profile

Overall length

Effective drive length

Across flats

Across corners

Corner radius / profile

Bore

Upper connection

Upper thread hand

Upper pin / box

Upper upset OD

Lower connection

Lower thread hand

Lower pin / box

Lower upset OD

Bushing identification

Saver-sub connection

Photographs reviewed

Previous drawing number

Review completion

☐ Drawing matched

☐ Bushing verified

☐ Mating components confirmed

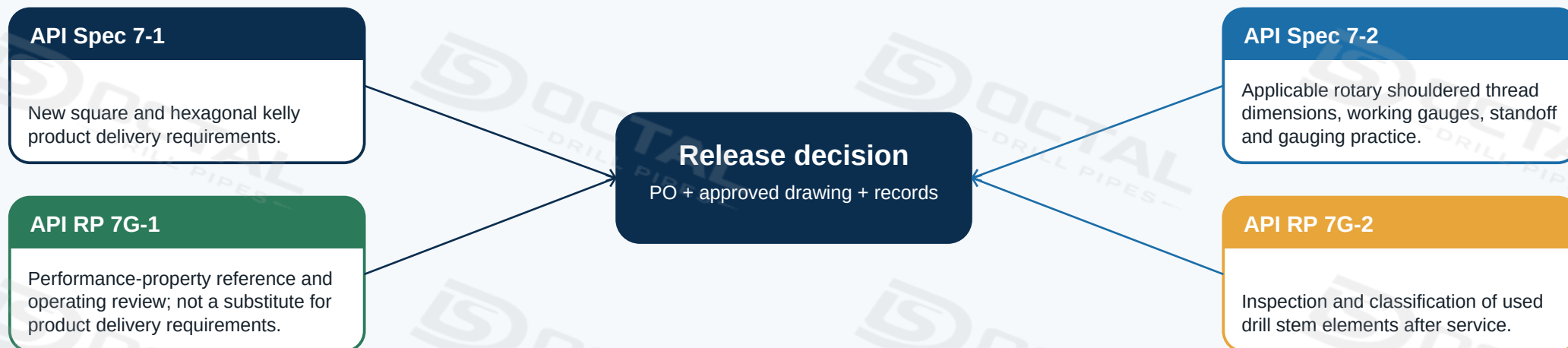
☐ Measurements recorded

Nominal size alone does not establish interchangeability.

Connection and API Acceptance Boundary

Separate product delivery, connection gauging, performance review and used-product inspection

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Three-stage connection review

1

Order and drawing match

End position, designation, thread hand, pin/box form, OD, ID, upset geometry and intended mating component.

2

Thread, gauge and shoulder inspection

Clean connection; inspect form and damage; verify applicable working-gauge relationship and standoff; inspect shoulder, chamfer and bore transition separately.

3

Final release and protection

Record gauge ID and calibration status, inspection result and any required assembly record; install protectors after acceptance.

Required connection release fields

☐ End position

☐ Thread hand

☐ Connection OD and ID

☐ Bore transition

☐ Calibration status

☐ Connection designation

☐ Pin or box

☐ Shoulder condition

☐ Gauge identification

☐ Inspection result

Current basis checked June 2026

API 7-1: 2nd Ed. Feb 2023 + active addenda/errata through Errata 2 (2025).

API 7-2: 2nd Ed. Jan 2017 + active addenda/errata through Addendum 3 (2025).