

ROTARY SUBS

Choose from **SPIDLE TURBECO** cross-over subs, kelly saver subs and reduced section subs for all drill string connection size and function changes.



ADAPTABLE CROSSOVER SUB

Use to crossover from one size or style connection to another.



ECONOMICAL KELLY SAVER SUB

Use to save from wearing kelly threads and casing I.D. Kelly saver subs are much less expensive to replace than the kelly.

REDUCED SECTION SUB

Use to crossover from one diameter to another.



ORDERING INFORMATION ON ALL SUBS

When ordering, please specify:
(Example: Kelly Saver, Crossover, or Bit sub, etc.)⁽¹⁾

- Overall length (36" and 48" are standard).
- Largest outside diameter (O.D.)⁽²⁾
- Bore Diameter
- Size and type of upper and lower connections, indicating pin or box and special joint features (i.e. stress relief grooves, bore-back, low torque faces)

Any special requirements
(I.E. float bore).

ON BIT SUBS, ADD:

- Float bore, size, and type if required⁽¹⁾

ON REDUCED SECTION SUBS, ADD:

- Diameter of reduced section.
- Length of reduced section (8", 12", 18", or 24 are standard).

ON KELLY SAVER SUBS WITH PROTECTOR, ADD:

- Stretch or latch-on protector.
- Code name of protector.
- Desired O.D. of protector

Notes: (1) Additional length is required for subs larger than 7" O.D. or with float bores, reduced section necks, etc. (2) All subs furnished standard with A.P.I. drill collar mill finish; extra charge for turned finish.