

CROSSOVER SUBS

Overview

Logan Crossover Subs provide safe connection between joints of different sizes or types of drilling, tubing, or washover string sections having different end connections. Crossover subs may be used when it is necessary to have frequent disconnection points.

Construction

Logan Crossover Subs are machined from high grade, heat-treated alloy steel for maximum strength and durability, and threaded to customer specifications. A crossover sub can be a combination of a box section up with a pin section down, a box section up with tool joint connection down, or pin sections up and down.

When ordering, please specify:

- (1) OD, ID, and length (shoulder-to-shoulder).
- (2) Size and type of connection or thread on each end.

LARGEST OD	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3
Min. Base Length	10	10	10	10	10	10	10

LARGEST OD	3-1/4	3-3/8	3-1/2	3-5/8	3-3/4	4	4-1/8
Min. Base Length	10	10	10	10	10	10	10

LARGEST OD	4-1/4	4-1/2	4-3/4	5	5-1/4	5-1/2	5-3/4
Min. Base Length	10	10	12	12	12	12	12

LARGEST OD	6	6-1/4	6-1/2	6-3/4	7	7-1/4	7-1/2
Min. Base Length	12	12	12	12	12	14	14

LARGEST OD	7-3/4	8	8-1/4	8-1/2	8-3/4	9	9-1/4
Min. Base Length	14	14	14	14	14	16	16

LARGEST OD	9-1/2	9-3/4	10	10-1/4	10-1/2	10-3/4	11
Min. Base Length	16	16	16	16	16	16	16

LARGEST OD	11-1/4	11-1/2	11-3/4	12	12-1/4	12-1/2	12-3/4
Min. Base Length	16	16	16	16	16	16	16

LARGEST OD	13	13-1/4	13-1/2	13-3/4	14		
Min. Base Length	16	16	16	16	16		

Logan Oil Tools reserves the right to change or discontinue designs without notice.