

WELDED CUP JUNK SUBS

Overview

The Logan Welded Cup Junk Sub is an accessory tool that prevents cuttings from milling or drilling operations that are too heavy to be circulated from settling at the bottom of the hole.

Construction

The Logan Welded Cup Junk Sub is manufactured from high strength, heat-treated alloy steel to withstand wear.

Cup support ribs are welded to the main body of the tool. These ribs attach to the cup and guide the tool through tight places and prevent it from being crushed.

The standard welded assembly has a 10-inch-deep cup. Long (20-inch) and extra long (30-inch) cup lengths are available.

Assembly

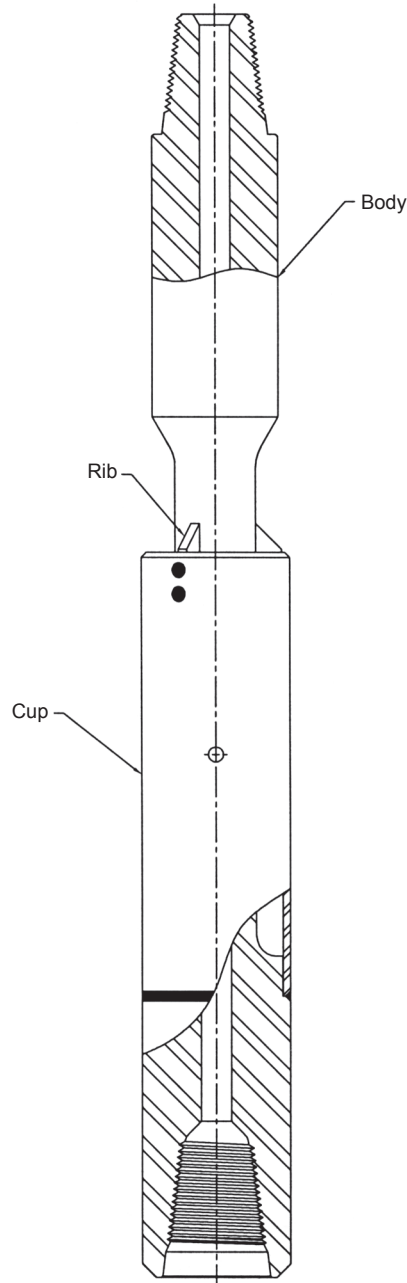
Welded cup junk subs are placed directly above the mill or drill bit. For severe milling jobs, it is customary to run two or three junk subs in tandem above the mill to increase cutting removal capacity and provide extra stabilization for the mill.

Operation

Welded cup junk subs can be run in an open hole or inside casing. When running inside casing, hard-faced pads dressed to the same O.D. as the mill or bit should be used.

When ordering, please specify:

- (1) Complete assembly number
- (2) Size and type of connections
- (3) Cup length



LOGAN GENERAL CATALOG

OIL TOOLS

WELDED CUP JUNK SUBS

SIZE RANGE (HOLE SIZE)	4-1/4 to 5-5/8	4-5/8 to 4-7/8	5-1/8 to 5-7/8	6 to 6-3/8	6-1/2 to 7-1/2	7-1/2 to 8-1/2	8-5/8 to 9-5/8	
CONNECTION (STD. API REG)	2-3/8	2-7/8	3-1/2	3-1/2	3-1/2	4-1/2	4-1/2	
DIAMETER OF BORE	3/4	1-1/4	1-1/2	1-1/2	1-1/2	2-1/4	2-1/4	
O.D. OF TOP CONNECTION BODY	3-1/8	3-3/4	4-1/4	4-1/4	4-1/4	5-1/2	5-1/2	
O.D. UNDER TOP CONNECTION	2	2-5/8	3-1/8	3-1/4	3-1/4	4-1/2	4-1/2	
O.D. OF CUP	3-11/16	4	4-1/2	5	5-1/2	6-5/8	7	
I.D. OF CUP	3-5/16	3-5/8	4-1/4	4-9/16	4-7/8	5-15/16	6-9/32	
COMPLETE ASSEMBLY	Logan Part No.	200-000-010	200-001-010	200-002-010	200-003-010	200-004-010	200-005-010	200-006-010
	Bowen No.	20340	15450	15455	15460	15465	15470	15475
	Cup Length (in)	10	10	10	10	10	10	10

LONG TYPE

COMPLETE ASSEMBLY	Logan Part No.	200-000-020	200-001-020	200-002-020	200-003-020	200-004-020	200-005-020	200-006-020
	Bowen No.	20345	17060	17065	17070	17075	17080	17085
	Cup Length (in)	20	20	20	20	20	20	20

EXTRA LONG TYPE

COMPLETE ASSEMBLY	Logan Part No.	200-000-030	200-001-030	200-002-030	200-003-030	200-004-030	200-005-030	200-006-030
	Bowen No.	20295	20300	20305	20310	20315	20320	20325
	Cup Length (in)	30	30	30	30	30	30	30

SIZE RANGE (HOLE SIZE)	9-5/8 to 11-5/8	11-1/2 to 13	14-3/4 to 17-1/2				
CONNECTION (STD. API REG)	6-5/8	6-5/8	7-5/8				
DIAMETER OF BORE	3-1/2	3-1/2	4				
O.D. OF TOP CONNECTION BODY	7-3/4	7-3/4	8-7/8				
O.D. UNDER TOP CONNECTION	5-3/4	5-3/4	7-5/8				
O.D. OF CUP	8-5/8	9-5/8	12-7/8				
I.D. OF CUP	7-15/16	8-17/32	11-5/8				
COMPLETE ASSEMBLY	Logan Part No.	200-007-010	200-008-010	200-009-010			
	Bowen No.	15480	15485	55306			
	Cup Length (in)	10	10	10			

LONG TYPE

COMPLETE ASSEMBLY	Logan Part No.	200-007-020	200-008-020	200-009-020			
	Bowen No.	17090	17095	62533			
	Cup Length (in)	20	20	20			

EXTRA LONG TYPE

COMPLETE ASSEMBLY	Logan Part No.	200-007-030	200-008-030	200-009-030			
	Bowen No.	20330	20335	62536			
	Cup Length (in)	30	30	30			

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

When ordering, please specify:

- (1) Complete assembly number
- (2) Size and type of connections
- (3) Cup length