

BODY OD	BODY JOINT TORQUE
3"	2,000 ft/lbs
76.20 mm	2,710 Nm
3-1/4"	2,200 ft/lbs
82.55 mm	2,981 Nm
3-1/2"	2,500 ft/lbs
88.90 mm	3,388 Nm
4"	3,000 ft/lbs
101.60 mm	4,065 Nm
4-1/2"	3,500 ft/lbs
114.30 mm	4,743 Nm
5"	4,000 ft/lbs
127.00 mm	5,420 Nm
5-1/2"	4,500 ft/lbs
139.70 mm	6,098 Nm
5-3/4"	5,000 ft/lbs
146.05 mm	6,775 Nm
6"	5,500 ft/lbs
152.40 mm	7,453 Nm
7"	6,500 ft/lbs
177.80 mm	8,808 Nm
8"	9,000 ft/lbs
203.20 mm	12,195 Nm
9"	10,000 ft/lbs
228.60 mm	13,550 Nm
10"	11,000 ft/lbs
254.00 mm	14,905 Nm
10-1/2"	12,000 ft/lbs
266.70 mm	16,260 Nm
11-1/2"	15,000 ft/lbs
292.10 mm	20,325 Nm

NOTE: All specifications are accurate within 15%.

The Lee Oilfield magnet is designed to retrieve small particles of oddly shaped pieces of metal from the bottom of a well bore which are uncatchable by means of internal or external catch tools. Magnets are usually run on drill pipe or tubing and can be run on wireline on the smaller sizes. The Lee Oilfield magnets are designed in a way that uses a type of permanent magnet which does not lose its strength over time and never requires recharging. The magnets are totally serviceable and can be completely disassembled and the circulating channels cleaned properly after each usage, (no machining or welding required)

GUIDES

A flush guide is standard. Lipped guides centralize the fish to assure contact with the magnet. The mill guide enables milling of any soft formation or settling of free debris at the bottom of the hole.

OPERATION

After selecting the guide which best suits the shape of fish to be retrieved and the type of fill at the bottom of the well bore, the magnet is screwed to the bottom of the Fishing string and lowered down the well. When you are nearing bottom it may be necessary to begin to circulate and slowly lower your string to clean any debris that may have settled on top of the fish. Slowly lower the fishing string to contact the fish at which time circulation should be stopped and retrieve the magnet.

Magnets are not designed to be rotated with but occasionally it may be helpful to free a stuck object at the bottom of the well bore. Be extremely careful when rotating because you can damage the face of the magnet.

SERVICE

Place magnet in vise and break and unscrew the top sub from the body. Break and unscrew the guide. Insert two pins at 180 degrees into the circulating ports of the brass element retain and use a bar across the pins to break and unscrew the retainer. Remove all inner parts out of the body. Clean and inspect all parts. Reverse procedure for assembly.

PATENTED

BODY O. D.	3"	3-1/4"	3-1/2"	4"	4-1/2"	5"	5-1/2"	5-3/4"
HOLE SIZE	3-1/4 to 4-1/8	4 to 4-1/4	4-1/4 to 4-1/2	4-1/2 to 5	5-1/8 to 5-1/2	5-5/8 to 6	6-1/8 to 6-1/2	6-1/8 to 6-1/2
CONN.	2-3/8 Tub	2-3/8 Tub	2-3/8 Reg	2-3/8 Reg	2-7/8 Reg	2-7/8 Reg	3-1/2 Reg	3-1/2 Reg
APPROX PULL	105 to 120	140 to 200	160 to 210	200 to 300	350 to 450	400 to 500	500 to 600	500 to 600
COMPLETE ASSY	M300	M325	M350	M400	M450	M500	M550	575
TOP SUB	300-1	325-1	350-1	400-1	450-1	500-1	550-1	575-1
BODY	300-2	325-2	350-2	400-2	450-2	500-2	550-2	575-2
BRASS CENTRALIZER	300-3	325-3	350-3	400-3	450-3	500-3	550-3	575-3
STEEL CENTRALIZER	300-4	325-4	350-4	400-4	450-4	500-4	550-4	575-4
STEEL CORE	300-5	325-5	350-5	400-5	450-5	500-5	550-5	575-5
PROTECTOR PLATE	300-6	325-6	350-6	400-6	450-6	500-6	550-6	575-6
ELEMENT RETAINER	300-7	325-7	350-7	400-7	450-7	500-7	550-7	575-7
ELEMENT	300-8	325-8	350-8	400-8	450-8	500-8	550-8	575-8
FLUSH GUIDE	300-9	325-9	350-9	400-9	450-9	500-9	550-9	575-9
MILL GUIDE	300-10	325-10	350-10	400-10	450-10	500-10	550-10	575-10
CUT LIP GUIDE	300-11	325-11	350-11	400-11	450-11	500-11	550-11	575-11

BODY O. D.	6"	7"	8"	9"	10"	10-1/2"	11-1/2"
HOLE SIZE	6-5/8 to 7-1/2	7-5/8 to 8-1/2	8-5/8 to 9-3/4	9-7/8 to 11-5/8	10-1/2 to 11-7/8	11-3/4 to 13	12-1/4 to 13
CONN.	3-1/2 Reg	4-1/2 Reg	4-1/2 Reg	4-1/2 Reg	6-5/8 Reg	6-5/8 Reg	6-5/8 Reg
APPROX PULL	600 to 650	650 to 750	700 to 850	800 to 950	1000 to 1250	1125 to 1250	2000 to 2250
COMPLETE ASSY	600	700	800	900	1000	1050	1150
TOP SUB	600-1	700-1	800-1	900-1	1000-1	1050-1	1150-1
BODY	600-2	700-2	800-2	900-2	1000-2	1050-2	1150-2
BRASS CENTRALIZER	600-3	700-3	800-3	900-3	1000-3	1050-3	1150-3
STEEL CENTRALIZER	600-4	700-4	800-4	900-4	1000-4	1050-4	1150-4
STEEL CORE	600-5	700-5	800-5	900-5	1000-5	1050-5	1150-5
PROTECTOR PLATE	600-6	700-6	800-6	900-6	1000-6	1050-6	1150-6
ELEMENT RETAINER	600-7	700-7	800-7	900-7	1000-7	1050-7	1150-7
ELEMENT	600-8	700-8	800-8	900-8	1000-8	1050-8	1150-8
FLUSH GUIDE	600-9	700-9	800-9	900-9	1000-9	1050-9	1150-9
MILL GUIDE	600-10	700-10	800-10	900-10	1000-10	1050-10	1150-10
CUT LIP GUIDE	600-11	700-11	800-11	900-11	1000-11	1050-11	1150-11
DAMPNER	-	-	-	900-12	1000-12	1050-12	1150-12

NOTE: All specifications are accurate within 15%. Other sizes available upon request.

- Recommended spares: 1 - Cutlip Guide, 1- Mill Guide
- Lift Nubbins recommended especially for the larger sizes
- Complete assembly comes with Flush Guide only