



Depth Orientation Marker (DOM)

Weatherford's Depth Orientation Marker (DOM) is a device used to provide long-term, downhole reference points. This is done by focusing a magnetic field inside the casing that affects the casing collar locator (CCL) tool as it passes through the string. The magnetic field generated by the DOM distorts the CCL field, creating an induction current in the tool and a "blip" on the log that is at least 50% stronger than the normal casing collar "blip." On flush-joint casings, the DOM often appears as the only clear "blip" on the CCL log.

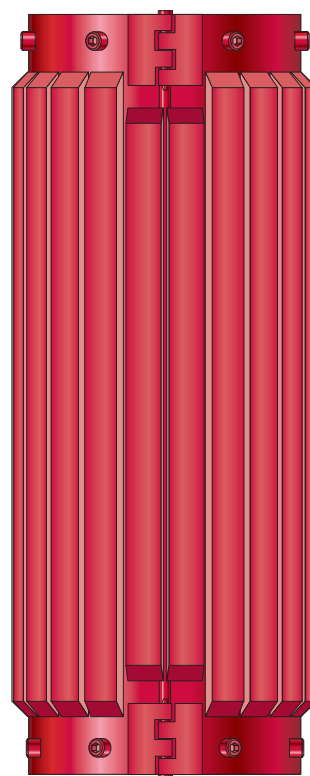
The DOM incorporates a "cluster" of two permanent magnets arranged to create a magnetic field that is focused in the center of the tool. The durable design of the magnets ensures a virtually indefinite lifespan, and can be picked up by the CCL for many years after installation.

Applications

- Perforating multiple zones in production casing or liner strings
- Determining the exact depth correlation in casing joints of consistent lengths
- Preventing errors related to miscounted joints on the casing tally
- Generating a clear depth indication in integral and flush-joint connections

Features, Advantages and Benefits

- The DOM provides casing logging engineers a downhole reference point from which to measure, saving valuable time when tripping in and out of the hole to perforate casing.
- A virtually indefinite lifespan allows the DOM to be picked up years later by the CCL tool in wells that must be re-completed or re-perforated, saving time and improving operational efficiency.
- Contains no radioactive materials, improving storage and handling issues, eliminating safety concerns.
- Standard and close-tolerance versions are available, enabling the DOM device to be deployed in a variety of wellbore conditions.





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Specifications

Tubular Size (in./mm)	DOM Type	Part Number	Minimum Hole Size (in./mm)	Maximum Rigid OD (in./mm)	Overall length (in./mm)	API casing weight range (lb/ft)	Number of Blades	Number of Magnets
2 7/8 73.03	CT	582537	4.000 101.60	3.875 98.43	22.50 571.5	6.4 to 7.9	12	48
3 1/2 88.90	STD	1775643	5.250 133.35	5.000 127.00	21.25 539.75	12.7 to 14.3	12	24
	CT	472155	4.625 117.48	4.500 114.30	22.50 571.5	7.7 to 10.2	14	56
4 1/2 114.30	STD	472157	6.000 152.40	5.750 146.05	21.25 539.8	9.5 to 13.5	14	28
	CT	472156	5.625 142.88	5.500 139.70	22.50 571.5		18	72
5 127.00	STD	582540	6.750 171.45	6.500 165.10	21.25 539.8	11.5 to 21.4	16	32
	CT	582538	6.250 158.75	6.125 155.58	22.50 571.5	11.5 to 18.0	20	80
5 1/2 139.70	STD	342206	7.250 184.15	7.000 177.80	21.25 539.8	14.0 to 23.0	18	36
7 177.80	STD	471388	8.750 222.25	8.500 215.90	21.25 539.8	17.0 to 35.0	22	44
	CT	342205	8.375 212.73	8.188 207.98	22.50 571.5	17.0 to 29.0	28	112
7 5/8 193.68	STD	582541	9.625 244.48	9.125 231.78	21.25 539.8	24.0 to 39.0	24	48
9 5/8 244.48	STD	582542	11.875 301.63	11.375 288.93	21.25 539.8	32.3 to 53.5	30	60
11 3/4 298.45	STD	582539	14.000 355.60	13.500 342.90	21.25 539.8	42.0 to 71.0	38	76

For sizes and configurations not listed above, contact Weatherford.

Cautions during handling and installation of DOMs: (1) always refer to the specifications for proper applications; (2) be aware of the generated magnetic field, certain types of mechanical watches will be damaged; (3) do not place any part of your body between the DOM and the casing; the magnetic field can attract items and cause injuries.