

sicotte

Drilling Tools

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Sicotte

Drilling Tools

Set things straight with

INDI gauge

IndiGauge



IndiGauge Stabilizer



Sicotte Bits



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The INDI_{gauge}™ Bit Management System

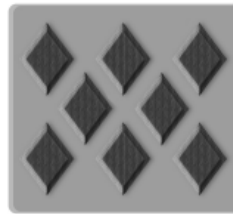
The INDI_{gauge}™ Stabilizer provides the same benefits as the INDI_{gauge}™, with the addition of extended spiral blades for additional drill bit stabilization. This helps to minimize eccentric wear on the bit.



Optimized 'Fluid Flow Channel' Design

This design channels drilling fluid and cuttings through the flow channels and away from the blade surface, resulting in minimal pressure drop across the tool while minimizing the blade surface wear.

The 'undercut' blade design maximizes flow channel area without sacrificing the blade wear-surface area.



The maximum number of inserts on the INDI_{gauge} are strategically placed on the leading edge to maximize wear resistance.

Features

- The IndiGauge Stabilizer will minimize deviation and stabilize any Roller-cone or Polycrystalline Diamond Compact (PDC) bit.
- Superior hard-facing and hybrid inserts for maximum wear resistance.
- Optimized blade design of the IndiGauge Stabilizer combines Helical and Straight-cut portions for both simplicity of make-up and break-out while maintaining 360° wall contact.

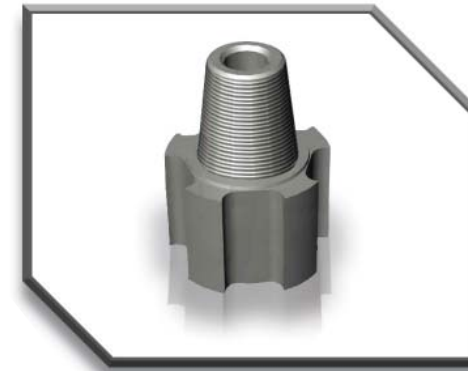
5-Blade INDI_{gauge} Stabilizer (up to 7-7/8")



6-Blade INDI_{gauge} Stabilizer (from 8-1/2")



5-Blade INDI_{gauge} (up to 7-7/8")



INDI_{gauge} maintains the integrity of your hole size. It is designed to increase torque when the drill bit wears below nominal gauge specification while drilling. The short body design will not compromise the steerability of the bit in a directional application.

6-Blade INDI_{gauge} (from 8-1/2")



Benefits of the INDI_{gauge} and INDI_{gauge} Stabilizer

- Avoid costly reaming of under-gauge hole that will potentially cause pipe sticking problems.
- Avoid costly fishing for drill bit cones.
- Extends drill bit life by eliminating eccentric wear on the bit.
- Smoother well bore and reduced hole drag in directional applications.
- May be used as an indicator to replace the bit when it is worn below nominal gauge specification.
- Enhance gauge protection of bit.

IndiGauge Size & Type	Connector Thread Type	Finished Diameter (inches)	Installed Height of Sub	No. of Blades	Total Junk Slot Area (in ²)	Tool ID (in)	Area of Tool Thru-Bore (in ²)	Total Weight (lbs)
6-1/8" INDI _{gauge}	API 3-1/2 Reg.	6.09	4.25	5	8.4	1.50	1.8	24
7-7/8" Stabilizer	API 4-1/2 Reg.	7.84	11.65	5	13.6	2.25	4.0	98
7-7/8" INDI _{gauge}	API 4-1/2 Reg.	7.84	5.25	5	13.1	2.25	4.0	45
8-3/4" Stabilizer	API 4-1/2 Reg.	8.71	12.00	6	16.9	2.25	4.0	122
8-3/4" INDI _{gauge}	API 4-1/2 Reg.	8.71	6.00	6	16.9	2.25	4.0	65

Other sizes can be manufactured upon request for specific Customer requirements.
For custom sizes, appropriate manufacturing time will be required.