

API7-1 Stabilizers are drilling tools to stabilize the downhole equipments and Prevent deviation. According to the structure, they can be divided into three basic types: integral blade stabilizer, non-rotating stabilizer and replaceable sleeve stabilizer.

Diameter(in)	Tensile strength (Mpa)	Yield strength (Mpa)	Elongation	Percentage Of area reduction
4 3/4-6 1/4	≥965	≥758	≥13	40
7-9	≥931	≥689	≥13	40

API7-1 stabilizer also has three types: spiral integral blade stabilizer, straight integral blade stabilizer and non-magnet Integral blade stabilizer. We can provide all types of stabilizers:

1. Spiral integral blade stabilizer
2. Straight integral blade stabilizer
3. Non-magnet integral blade stabilizer

We offer a complete range of body integral blade (BIB) and sleeve integral blade (SIB) stabilizers in a wide range of diameters (4 3/4 to 26). Body integral blade stabilizers are out of a single piece of fully heat-treated AISI 4145H steel. They are the perfect design for small to medium size stabilizers (12 1/4 and below), improving ruggedness and job safety while remaining economical.

API7-1 Stabilizers Wide range of applications:

The IBS is well suited for use in most formations, from soft and sticky to hard and abrasive. The tool can be supplied in both “open” and “fullwrap” designs for optimum hole wall contact. In addition, it is available in both bottom hole and string designs, providing the flexibility to run it anywhere in the BHA.

The blades are integral parts of the tool body, thus eliminating the risk of leaving components or pieces in the hole. Blade diameters are ground to a maximum of 1/32 under gauge on all hole sizes. When the blades wear down to an unacceptable diameter, the stabilizer can be removed from the drilling assembly and returned to an approved machine shop for redressing to full gauge size.

HF 1000 HF 2000 HF 3000 HF 4000 HF 5000

Bit Size (in)	Working OD (mm)	End OD of body (mm)	ID (mm)	Length (mm)	Thread code on both ends			
					Drill string type		Near bit type	
					Top	Down	Top	Down
6	152.2	121	51	1200	NC38			3 1/2 REG
6 1/4	158.7							
6 1/2	165.1							

[illegible]