API7-1 Stabilizer

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, no n-rotating stabilizer and replaceable sleeve stabilizer.

API7-1 Stabilizers Mechanical feature:

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

API7-1 Stabilizers:

API7-1 stabilizer also has three types: spiral integral blade stabilizer, straight integral blade stabiliz er 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

API7-1 Stabilizers Types:

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 heattreated AISI 4145H steel. They are the perfect design for small to mediumsize stabiliz ers (12 1/4 and below), improving ruggedness and job safety while remaining economical.

This design is available for diameters 12 1/4" and above, resulting in significant savings on purcha sing and maintaining these large-diameter stabilizers

API7-1 Stabilizers Wide range of applications:

The IBS is wellsuited for use in most formations, from soft and sticky to hard and abrasive. The to ol can be supplied in both "open" and "fullwrap" designs for optimum hole wall contact. In additi on, it is available in both bottom hole and string designs, providing the flexibility to run it anywher e in the BHA.

API7-1 Stabilizers One-piece construction:

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 siz e. 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. API7-1 Stabilizers Hard-facing types:

HF 1000 HF 2000 HF 3000 HF 4000 HF 5000

API7-1 Stabilizers Technical Data:

Bit Siz	Working O	End OD of bod	ID	Length	th Thread code on both ends			
e	D	У	(mm (m		Drill string type		Near bit type	
(in)	(mm)	(mm)))	Тор	Down	Тор	Down
6	152.2	121	51	1200	NC38			3 1/2 REG
6 1/4	158.7							
6 1/2	165.1							

7 1/2	190.5	159	57	1600	NC46			4 1/2 REG
7 7/8	200							
8 3/8	212.7	159 165	71	1600 1800	NC46 NC50			
8 1/2	215.2	159						
8 3/4	222.2	165 178						
9 1/2	241.3	178		1600	NC50	NC50	NC50	
9 5/8	244.5	197		1800				6 5/8 REG
9 7/8	250.8							
12 1/4	311.2	203 209	76	1800	NC56 6 5/8 RE G		NC56 6 5/8 RE G	6 5/8 REG
16	406	229		2000	NC61	NC61	NC61	NC61
17 1/2	444.5	241.3		2200				
24	609.6				G	G	G	G
26	660.4							
28	711.2							

Note: Stabilizer can be made according to customer's special requirement.