



Bulldog Spear

The **Bulldog Spear** is a variable catch internal spear used to retrieve a lost cylindrical fish from the wellbore. A complete range of slips is available for each size tool. To operate, simply run into the fish, set down and then pick up the weight, and retrieve the fish.

To release from the fish, simply set down the weight and circulate. The spear will then release due to the flow differential created.

A complete range of hardened slips are available for each size tool. See the table below for slip and catch size details.

Features

- 1) Flow or drop ball activated
- 2) Hardened & double tempered slips
- 3) Robust construction
- 4) Variable slip sizes for each tool



Bulldog Spear				
Size	O.D.	I.D. No Choke	Size of Slip in Assy.	Connection
2.00"	1.850"	0.25"	1-3/8"~1-1/2"	1" AMMT
2.25"	2.250"	0.39"	2"~2-1/8"	1-1/2" AMMT
3.00"	2.875"	0.39"	2-1/4"~2-3/8"	2-3/8" PAC
3.50"	3.110"	0.39"	2-5/8"~2-3/4"	2-3/8" PAC
4.00"	3.630"	0.39"	3-1/8"~3-1/4"	2-3/8" PAC

- 1) *Other sizes available on request.*
- 2) *AMMT, PAC and other thread connection for selective.*
- 3) *STD and H₂S service environment for selective. Quote with STD service if no specify.*



Bulldog Spear Slips Technical Specifications					
Spear Size	2"	2-1/2"	3"	3-1/2"	4"
Spear O.D.	1.810"	2.250"	2.875"	3.110"	3.630"
Bulldog Spear Nominal Size Range	1-1/8"~1-7/8"	1-7/8"~2-1/2"	2-3/8"~2-7/8"	2-5/8"~3-1/8"	3-1/8"~3-3/4"
Nominal Slip Size	Catch Range	Catch Range	Catch Range	Catch Range	Catch Range
1-1/8"	1-1/8"~1-1/4"				
1-1/4"	1-1/4"~1-3/8"				
1-3/8"	1-3/8"~1-1/2"				
1-1/2"	1-1/2"~1-5/8"				
1-5/8"	1-5/8"~1-3/4"				
1-3/4"	1-3/4"~1-7/8"	1-3/4"~1-7/8"			
1-7/8"		1-7/8"~2"			
2"		2"~2-1/8"			
2-1/8"		2-1/8"~2-1/4"			
2-1/4"		2-1/4"~2-3/8"	2-1/4"~2-3/8"		
2-3/8"		2-3/8"~2-1/2"	2-3/8"~2-1/2"		
2-1/2"			2-1/2"~2-5/8"		
2-5/8"			2-5/8"~2-3/4"	2-5/8"~2-3/4"	
2-3/4"			2-3/4"~2-7/8"	2-3/4"~2-7/8"	
2-7/8"				2-7/8"~3"	
3"				3"~3-1/8"	
3-1/8"					3-1/8"~3-1/4"
3-1/4"					3-1/4"~3-3/8"
3-3/8"					3-3/8"~3-1/2"
3-1/2"					3-1/2"~3-5/8"
3-5/8"					3-5/8"~3-3/4"

Note: Sizes highlighted in blue indicate bulldog spear slip standard fitment

Subject to change without notice