



BRACE TOOL

OILFIELD, WIRELINE & DOWNHOLE TOOLS

Shifting Tools

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04. Shifting Tools

Overview

A B Shifting Tool in wireline operations is a specialized device used to manipulate sliding sleeves within a wellbore. These tools are designed to selectively locate and shift the sleeves either up or down, depending on the operational requirements. The tool features keys that engage with the inner sleeve of the sliding side door (SSD). By running the tool in the desired direction, it can either open or close the sleeve, allowing for controlled flow of fluids within the well.

Applications

- Manipulating sliding sleeves within a wellbore.
- The tool can also be used in releasing or dropping spent tubing-conveyed perforating guns.

Key Features & Benefits

- The tool's design allows for selective shifting, meaning it can be used to open or close specific sleeves without affecting others.



Technical Data					
Nominal Size	1.25"	1.50"	1.625"	1.71"	1.78"
Assembly Number	04-02-B-125-A0	04-02-B-150-A0	04-02-B-162-A0	04-02-B-171-A0	04-02-B-178-A0
Upper Thread Connection	0.625"-11 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN
Lower Thread Connection	0.625"-11 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN
Max O.D.	1.45"	1.71"	1.89"	2.09"	2.12"
Fishneck Size	1.00"	1.18"	1.18"	1.18"	1.375"
Min O.D.	1.21"	1.40"	1.59"	1.68"	1.75"

Nominal Size	1.87"	2.12"	2.31"	2.56"	2.75"
Assembly Number	04-02-B-187-A0	04-02-B-212-A0	04-02-B-231-A0	04-02-B-256-A0	04-02-B-275-A0
Upper Thread Connection	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	1.062"-10 UN
Lower Thread Connection	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	1.062"-10 UN
Max O.D.	2.15"	2.52"	2.65"	2.97"	3.03"
Fishneck Size	1.375"	1.375"	1.75"	1.75"	2.31"
Min O.D.	1.84"	2.12"	2.15"	2.53"	2.72"

Technical information continues onto next page.

B Shifting Tool

04 - Shifting Tools

Nominal Size	2.81"	3.68"	3.81" *	4.56" *
Assembly Number	04-02-B-281-A0	04-02-B-368-A0	04-02-B-381-A0	04-02-B-456-A0
Upper Thread Connection	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN
Lower Thread Connection	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN
Max O.D.	3.16"	4.12"	4.09"	5.04"
Fishneck Size	2.31"	3.12"	3.12"	3.12"
Min O.D.	2.72"	3.65"	3.73"	4.53"

* Non-Stock Item (3.81" and 4.56")* speak with a Brace Tool sales representative to explore the different configurations available on this tool and discover how we can match your requirements.

Parts List					
Nominal Size	1.25"	1.50"	1.625"	1.71"	1.78"
Part Name	Part Number				
Fishneck	04-02-B-125-01	04-02-B-150-01	04-02-B-162-01	04-02-B-171-01	04-02-B-200-01
Body	04-02-B-125-02	04-02-B-150-02	04-02-B-150-02	04-02-B-150-02	04-02-B-200-02
Collet	04-02-B-125-03	04-02-B-150-03	04-02-B-150-03	04-02-B-150-03	04-02-B-200-03
Upper Key Retainer	04-02-B-125-04	04-02-B-150-04	04-02-B-162-04	04-02-B-171-06	04-02-B-200-04
Key	04-02-B-125-05	04-02-B-150-05	04-02-B-162-05	04-02-B-171-04	04-02-B-178-05
Spring	04-02-B-125-06	04-02-B-125-06	04-02-B-125-06	04-02-B-125-06	04-02-B-200-06
Bottom Key Retainer	04-02-B-125-07	04-02-B-150-07	04-02-B-162-07	04-02-B-171-07	04-02-B-200-07

Nominal Size	1.87"	2.12"	2.31"	2.56"	2.75"
Part Name	Part Number				
Fishneck	04-02-B-200-01	04-02-B-212-01	04-02-B-250-01	04-02-B-256-01	04-02-B-300-01
Body	04-02-B-200-02	04-02-B-200-02	04-02-B-250-02	04-02-B-250-02	04-02-B-300-02
Collet	04-02-B-200-03	04-02-B-200-03	04-02-B-250-03	04-02-B-250-03	04-02-B-300-03
Upper Key Retainer	04-02-B-200-04	04-02-B-212-04	04-02-B-250-04	04-02-B-250-04	04-02-B-300-04
Key	04-02-B-187-05	04-02-B-212-05	04-02-B-231-05	04-02-B-256-05	04-02-B-275-05
Spring	04-02-B-200-06	04-02-B-200-06	04-02-B-200-06	04-02-B-200-06	04-02-B-200-06
Bottom Key Retainer	04-02-B-200-07	04-02-B-212-07	04-02-B-250-07	04-02-B-250-07	04-02-B-300-07

Nominal Size	2.81"	3.68"	3.81" *	4.56" *
Part Name	Part Number			
Fishneck	04-02-B-300-01	04-02-B-400-01	04-02-B-400-01	04-02-B-456-01
Body	04-02-B-300-02	04-02-B-400-02	04-02-B-400-02	04-02-B-456-02
Collet	04-02-B-300-03	04-02-B-400-03	04-02-B-400-03	04-02-B-456-03
Upper Key Retainer	04-02-B-300-04	04-02-B-400-04	04-02-B-400-04	04-02-B-456-04
Key	04-02-B-281-05	04-02-B-368-05	04-02-B-381-05	04-02-B-456-05
Spring	04-02-B-200-06	04-02-B-200-06	04-02-B-200-06	04-02-B-456-06
Bottom Key Retainer	04-02-B-300-07	04-02-B-400-07	04-02-B-400-07	04-02-B-456-07

* Non-Stock Item (3.81" and 4.56")* speak with a Brace Tool sales representative to explore the different configurations available on this tool and discover how we can match your requirements.

Overview

The BO Shifting Tool is designed to manipulate sliding side doors (SSDs) within a wellbore. Its primary function is to selectively locate and shift these SSDs, allowing operators to control the flow of fluids by either opening or closing the doors as needed. This tool is particularly useful in wells with multiple SSDs, as it enables precise adjustments without disturbing other doors. The BO Shifting Tool features keys that engage with the inner sleeve of the SSD, facilitating smooth and controlled movements. This precision is crucial for optimizing well performance, ensuring efficient fluid management, and maintaining the overall integrity of the wellbore.

Applications

- Ran selectively, the BO Shifting tool functions similar to an X-line running tool.

Key Features & Benefits

- Allows operators to precisely control the flow of fluids by selectively opening or closing specific sliding side doors (SSDs) within the wellbore.



Technical Data				
Nominal Size	2.00"	2.50"	2.75"	2.81"
Assembly Number	0402BO187A0	0402BO231A0	0402BO275A0	0402BO281A0
Upper Thread Connection	0.938"-10 UN	0.938"-10 UN	1.062"-10 UN	1.062"-10 UN
Lower Thread Connection	0.938"-10 UN	0.938"-10 UN	1.062"-10 UN	1.062"-10 UN
Max O.D. (Dogs Expanded)	1.93"	1.71"	1.89"	2.09"
Min O.D. (Dogs Retracted)	1.75"	2.063"	2.68"	2.74"
Max O.D. (Keys Expanded)	2.18"	2.64"	3.15"	3.22"
Min O.D. (Keys Retracted)	1.82"	2.28"	2.71"	2.74"
Fishneck Size	1.37"	1.75"	2.31"	2.31"

Speak with a Brace Tool sales representative to explore the different configurations available on this tool and discover how we can match your requirements.

Overview

The D2 Shifting Tool is designed to open and close Baker style 'L' Sliding Sleeves by applying upward or downward jarring action. When the tool is jarred upward, it opens the sliding sleeve. Conversely, inverting the tool and jarring downward will close the sleeve. The tool includes collets of varying outer diameters (OD) to match the inner diameter (ID) of the sleeves. These collets help locate the specific sleeve to be shifted. The tool is equipped with steel shear pins at the base of the shifting dogs, providing a safety release feature in case of excessive force.

Applications

- Opening and closing Baker style "L" sliding sleeves.
- The tool can selectively shift specific sleeves within a well completion that contains multiple sleeves.

Key Features & Benefits

- The D2 Shifting Tool includes a safety release mechanism with steel shear pins. This feature allows the tool to disengage safely if excessive force is applied, protecting both the tool and the wellbore



Technical Data					
Nominal Size	1.78"	1.81"	1.87"	2.25"	2.31"
Assembly Number	04-03-D-178-A0	04-03-D-181-A0	04-03-D-187-A0	04-03-D-225-A0	04-03-D-231-A0
Upper Thread Connection	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN
Lower Thread Connection	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN
Max O.D.	1.807"	1.843"	1.906"	2.281"	2.343"
Fishneck Size	1.375"	1.375"	1.375"	1.75"	1.75"
Adjustment Length	15.68"	15.68"	15.68"	16.625"	16.625"

Nominal Size	2.75"	2.81"	3.68"	3.81"
Assembly Number	04-03-D-275-A0	04-03-D-281-A0	04-03-D-368-A0	04-03-D-381-A0
Upper Thread Connection	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN
Lower Thread Connection	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN
Max O.D.	2.781"	2.843"	3.743"	3.867"
Fishneck Size	2.31"	2.31"	2.31"	2.31"
Adjustment Length	17.125"	17.125"	3.73"	4.53"

Non-Stock Item. Please speak with a Brace Tool sales representative for price and delivery.

Parts List					
Nominal Size	1.78"	1.81"	1.87"	2.25"	2.31"
Part Name	Part Number				
Fishneck	04-03-D-200-01	04-03-D-200-01	04-03-D-200-01	04-03-D-250-01	04-03-D-250-01
Mandrel	04-03-D-200-02	04-03-D-200-02	04-03-D-200-02	04-03-D-225-02	04-03-D-225-02
Collet	04-03-D-178-03	04-03-D-181-03	04-03-D-187-03	04-03-D-225-03	04-03-D-231-03
Connecting Adjuster	04-03-D-200-04	04-03-D-200-04	04-03-D-200-04	04-03-D-250-04	04-03-D-250-04
Control Sleeve	04-03-D-200-05	04-03-D-200-05	04-03-D-200-05	04-03-D-250-05	04-03-D-250-05
Nut	04-03-D-200-06	04-03-D-200-06	04-03-D-200-06	04-03-D-250-06	04-03-D-250-06
Spring	04-03-D-200-07	04-03-D-200-07	04-03-D-200-07	04-03-D-250-07	04-03-D-250-07
Retractor	04-03-D-200-08	04-03-D-200-08	04-03-D-200-08	04-03-D-250-08	04-03-D-250-08
Retaining Sleeve	04-03-D-200-09	04-03-D-200-09	04-03-D-200-09	04-03-D-250-09	04-03-D-250-09
Dog	04-03-D-200-10	04-03-D-200-10	04-03-D-200-10	04-03-D-200-10	04-03-D-200-10
Dog Retainer	04-03-D-200-13	04-03-D-200-13	04-03-D-200-13	04-03-D-250-11	04-03-D-250-11
Dog Spring	04-03-D-200-11	04-03-D-200-11	04-03-D-200-11	04-03-D-200-12	04-03-D-200-12
Key	04-03-D-200-12	04-03-D-200-12	04-03-D-200-12	04-03-D-250-13	04-03-D-250-13
Thread Protector	04-03-D-200-14	04-03-D-200-14	04-03-D-200-14	04-03-D-200-14	04-03-D-200-14

Nominal Size	2.75"	2.81"	3.68"	3.81"
Part Name	Part Number			
Fishneck	04-03-D-300-01	04-03-D-300-01	04-03-D-400-01	04-03-D-400-01
Mandrel	04-03-D-300-02	04-03-D-300-02	04-03-D-400-02	04-03-D-400-02
Collet	04-03-D-275-03	04-03-D-281-03	04-03-D-368-03	04-03-D-381-03
Connecting Adjuster	04-03-D-300-04	04-03-D-300-04	04-03-D-400-04	04-03-D-400-04
Control Sleeve	04-03-D-300-05	04-03-D-300-05	04-03-D-400-05	04-03-D-400-05
Nut	04-03-D-300-06	04-03-D-300-06	04-03-D-400-06	04-03-D-400-06
Spring	04-03-D-300-07	04-03-D-300-07	04-03-D-400-07	04-03-D-400-07
Retractor	04-03-D-300-08	04-03-D-300-08	04-03-D-400-08	04-03-D-400-08
Retaining Sleeve	04-03-D-300-09	04-03-D-300-09	04-03-D-400-09	04-03-D-400-09
Dog	04-03-D-200-10	04-03-D-200-10	04-03-D-200-10	04-03-D-200-10
Dog Retainer	04-03-D-300-11	04-03-D-300-11	04-03-D-400-11	04-03-D-400-11
Dog Spring	04-03-D-200-12	04-03-D-200-12	04-03-D-200-12	04-03-D-200-12
Key	04-03-D-250-13	04-03-D-250-13	04-03-D-200-13	04-03-D-200-13
Thread Protector	04-03-D-300-14	04-03-D-300-14	04-03-D-400-14	04-03-D-400-14

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