



PURPOSE

Used to selectively locate and shift a Sliding Side Door when there are numerous Sliding Side Doors within the wellbore.

ASSEMBLY PARTS

1. Fishneck
2. Top Key Retainer
3. Key
4. Key Spring
5. Lower Key Retainer
6. Spring Housing
7. Core Spring
8. Dog Spring
9. Split Ring
10. Locator Dog
11. Dog Retainer
12. Locator Mandrel

APPLICATION

Ran selectively, the BO Shifting Tool functions in many ways like an X-line running tool. In that when you locate the desired Sliding Side Door, you simply pass through the Sliding Side Door, pull back up to put the shifting tool into non selective, and shift the Sliding Side Door.

PRECAUTIONS

Always ensure that the proper keys are installed in the shifting tool and that the key springs, or locator dogs are not worn or damaged.

* Non-Stock Item. Please call for price and delivery.

(Sizes on next page)

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061

Nominal Size		2.00"	2.50"	2.75"	2.81"
Assembly Number		0402BO187A0	0402BO231A0	0402BO275A0	0402BO281A0
Item	Part Name				
1	Fishneck	0402BO20001	0402BO25001	0402BO30001	0402BO30001
2	Top Key Retainer	0402B20004	0402B25004	0402B30004	0402B30004
3	Key	0402B18705	0402B23105	0402B27505	0402B28105
4	Key Spring	0402B20006	0402B20006	0402B20006	0402B20006
5	Bottom Key Retainer	0402BO20007	0402B25007	0402B30007	0402B30007
6	Spring Housing	0402B20006	0402BO25006	0402BO30006	0402BO30006
7	Core Spring	0202X20006	0202X25006	0202X30006	0202X30006
8	Dog Spring	0202X20008	0202X25008	0202X30008	0202X30008
9	Split Ring	0202X20009	0202X25009	0202X30009	0202X30009
10	Locator Dog	0202X20010	0202X25010	0202X27510	0202X28110
11	Dog Retainer	0402BO20011	0402BO25011	0402BO30011	0402BO30011
12	Locator Mandrel	0402BO20012	0402BO25012	0402BO30012	0402BO30012
13	Set Screw	.25"-20 UNX x .25"	.375"-18 UNC x .375"	.375"-18 UNC x .375"	.375"-18 UNC x .375"
Upper Thread Conn.		.938"-10 UN	.938"-10 UN	1.062"-10 UN	1.062"-10 UN
Lower Thread Conn		.938"-10 UN	.938"-10 UN	1.062"-10 UN	1.062"-10 UN
Max O.D. Dogs Expanded		1.93"	2.37"	2.84"	2.90"
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"

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4. shifting tools

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