

Purpose

The purpose of the **Brico Plug Shoot IPS 20 x 86** is to adapt a #20 Setting tool to the bottom of a 86mm gun string without any extra subs but hold the Setting Tool Igniters and Secondary's while maintaining a pressure seal between the two systems after the Setting Tool is fired.

Operation

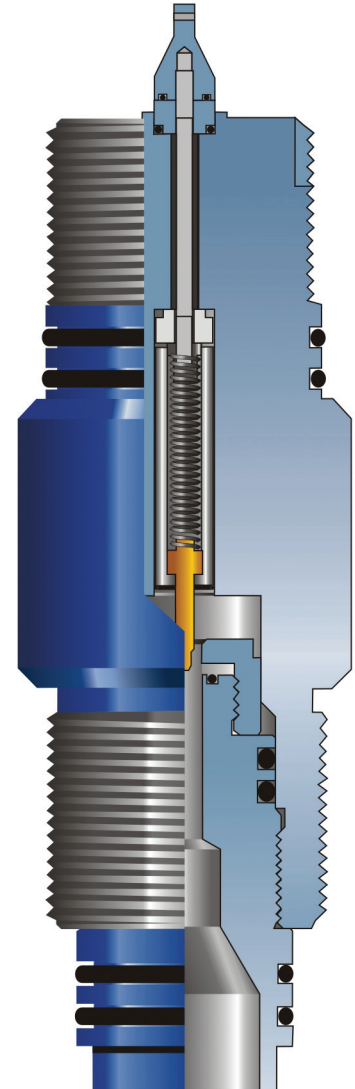
The Setting Tool Igniters and Secondary (if used) are installed into the head as per company policy. The head is then installed into the Setting tool after installing the correct power charge in the Setting Tool. The correct wire is connected to the Sealed Terminal Nut as per company policy, and then the assembly is screwed into the gun system being used.

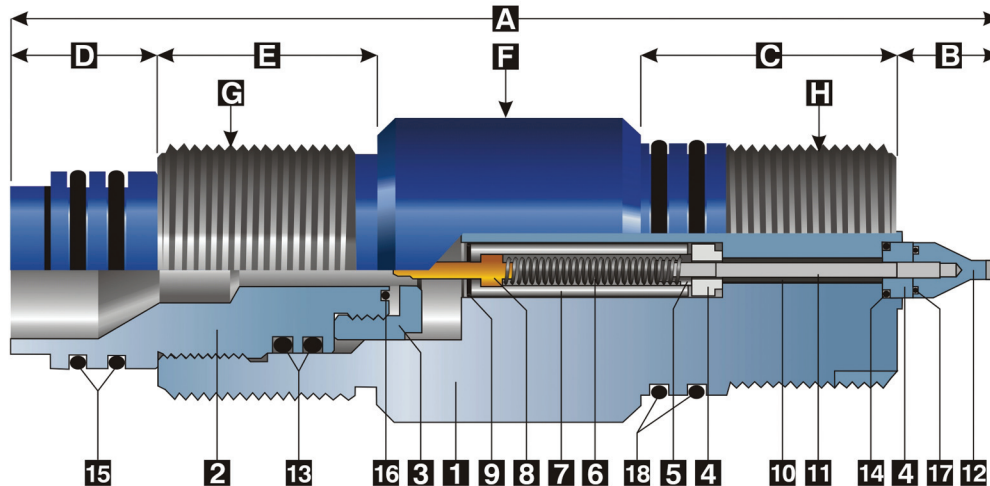
Features and Benefits

- Shortens tool string by not having to run Plug Shoot, Quick Change and Firing Head.
- Only 1 o-ring connection.
- Keeps a seal after tool is fired so no other parts are pressured up.
- Easy to service and use universal contact parts.
- Has bleed off port on side of igniter holder thread to allow trapped pressure to be bleed off safely.

Specifications

Plug Shoot IPS 20 x 86 mm (Product N° 18-52)	
Thread Size and Type	2.875" (73mm) - 6 TPI ACME - 2G Thread 2.812" (71mm) - 6 TPI ACME - 2G Thread
Assembly Number	18-5209203-00
Pressure Rating	20,000 psi (138 mPa)
Tensile Strength	200,000 lbs
Maximum Temperature	400°F (204°C)
Maximum OD	3.48" (88.4 mm)
Length	11.29" (286.7 mm)
Shipping Weight	14.3 lbs (6.5 kg)
Redress Kit Number	18-5209203-99
O-Ring Kit	18-5209203-98





18-52 Plug Shoot IPS Dimentional Data

Dim	18-5209203-00	
	In	mm
A	11.29	286.7
B	1.23	31.2
C	2.88	73.2
D	1.68	42.7
E	2.50	63.5
F	3.48	88.4
G	2.875" (73mm)*	
H	2.812" (71mm)*	

* 6 TPI ACME - 2G Thread

18-52 Plug Shoot IPS 20 x 86 mm, Parts List

Item	Qty.	Description	18-5209203-00
			Part Number
1	1	Body	18-5209203-01
2	1	igniter Holder	18-5209203-02
3	1	Igniter Cap	18-5209203-04
4	2	Sealed Insulating Washer	18-5607341-06
5	1	Spring Contact Nut	18-5607341-05
6	1	Spring	54-2179003-08
7	1	Plunger Insulator	18-5607341-04
8	1	Contact Plunger	18-5607341-03
9	1	Retaining Ring 0.625"	54-2179003-09
10	1	Insulating Pipe 1.88" Long	18-5209203-05
11	1	Contact Rod	18-5209203-03
12	1	Sealed Terminal Nut	18-5609341-08
13	2	325 Viton 90 O-Ring	81-0325000-04
14	1	111 Viton 90 O-Ring	81-0111000-04
15	2	328 Viton 90 O-Ring	81-0328000-04
16	1	112 Viton 90 O-Ring	81-0112000-04
17	1	012 Viton 90 O-Ring	81-0012000-04
18	2	231 Viton 90 O-Ring	81-0231000-04

18-52 Plug Shoot IPS 20 x 86 mm, Redress Kit

Item	Qty.	Description	18-5209203-99
			Part Number
4	2	Sealed Insulating Washer	18-5607341-06
5	1	Spring Contact Nut	18-5607341-05
6	1	Spring	54-2179003-08
7	1	Plunger Insulator	18-5607341-04
8	1	Contact Plunger	18-5607341-03
9	1	Retaining Ring 0.625"	54-2179003-09
10	1	Insulating Pipe 1.88" Long	18-5209203-05
11	1	Contact Rod	18-5209203-03
12	1	Sealed Terminal Nut	18-5609341-08
13	2	325 Viton 90 O-Ring	81-0325000-04
14	1	111 Viton 90 O-Ring	81-0111000-04
15	2	328 Viton 90 O-Ring	81-0328000-04
16	1	112 Viton 90 O-Ring	81-0112000-04
17	1	012 Viton 90 O-Ring	81-0012000-04
18	2	231 Viton 90 O-Ring	81-0231000-04

18-52 Plug Shoot IPS 20 x 86 mm, O-Ring Kit

Item	Qty.	Description	18-5209203-98
			Part Number
13	2	325 Viton 90 O-Ring	81-0325000-04
14	1	111 Viton 90 O-Ring	81-0111000-04
15	2	328 Viton 90 O-Ring	81-0328000-04
16	1	112 Viton 90 O-Ring	81-0112000-04
17	1	012 Viton 90 O-Ring	81-0012000-04
18	2	231 Viton 90 O-Ring	81-0231000-04