BOON DRILLING TECHNOLOGIES

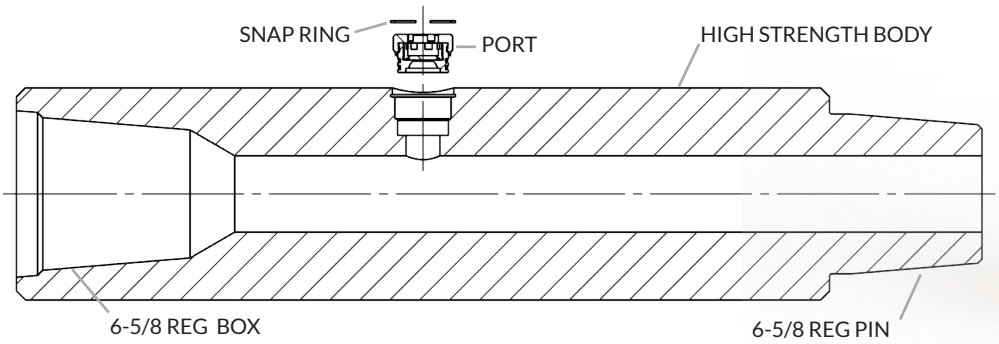
INSTALLATION & MAINTENANCE

DDP 6-5/8 REG
DRILLING DRAIN PORT

Tool Properties				
OD (Outer Ø)	203	mm	8.000	in
ID (Inner Ø)	89	mm	3.500	in
Length (Seal to Seal)	0.61	m	24	in

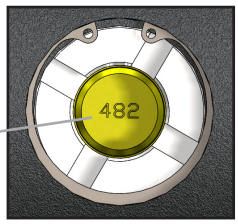
Mechanical Properties				
Connection	6-5/8 REG			
Material Yield	896	MPa	130	ksi
Conn. Tensile Strength	864	kDaN	1,941,800	lb
Conn. Torsional Yield	91,100	ft-lbs		
Rec. Makeup Torque*	54,700	ft-lbs		

*Recommended makeup torque for mating components may be lower; use lower of the two values



SECTION VIEW

The DDP can be easily configured for a chosen activation pressure. **Nominal burst number** engraved on port represents burst pressure in **MPa x 10**, e.g. port with nom. burst number 482 represents burst pressure of 48.2 MPa (7000 psi).



PORT

Listed properties are for prototype use only.
All information is subject to change.

BOON DRILLING TECHNOLOGIES

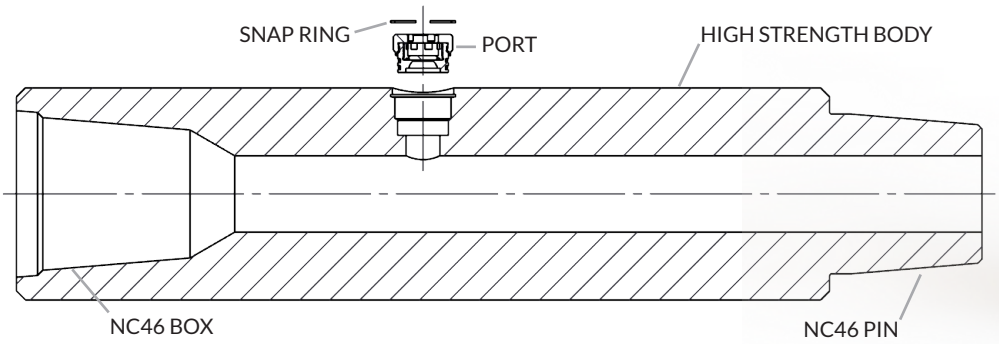
INSTALLATION & MAINTENANCE

DDP NC 46
DRILLING DRAIN PORT

Tool Properties				
OD (Outer Ø)	165	mm	6.500	in
ID (Inner Ø)	57	mm	2.250	in
Length (Seal to Seal)	0.61	m	24	in

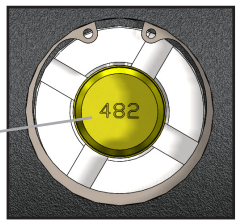
Mechanical Properties				
Connection	NC 46			
Material Yield	896	MPa	130	ksi
Conn. Tensile Strength	684	kDaN	1,538,000	lb
Conn. Torsional Yield	59,100	ft-lbs		
Rec. Makeup Torque*	35,400	ft-lbs		

*Recommended makeup torque for mating components may be lower; use lower of the two values



SECTION VIEW

The DDP can be easily configured for a chosen activation pressure. **Nominal burst number** engraved on port represents burst pressure in **MPa x 10**, e.g. port with nom. burst number 482 represents burst pressure of 48.2 MPa (7000 psi).



PORT

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BOON DRILLING TECHNOLOGIES

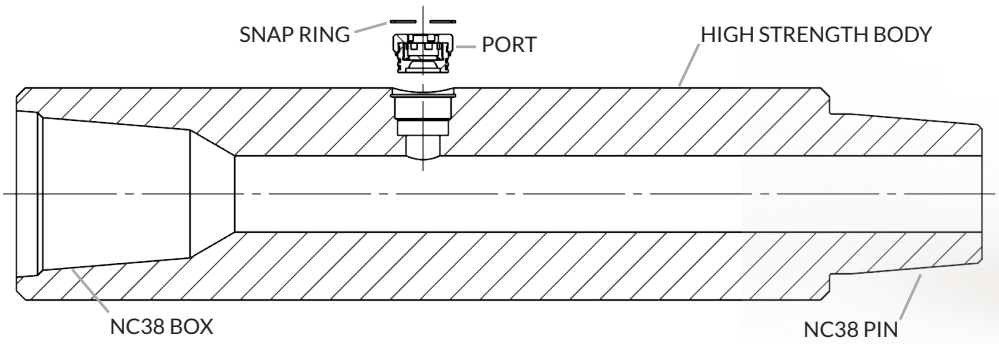
INSTALLATION & MAINTENANCE

DDP NC 38
DRILLING DRAIN PORT

Tool Properties				
OD (Outer Ø)	133	mm	5.250	in
ID (Inner Ø)	57	mm	2.250	in
Length (Seal to Seal)	0.61	m	24	in

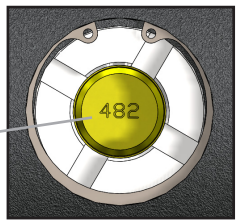
Mechanical Properties				
Connection	NC 38			
Material Yield	896	MPa	130	ksi
Conn. Tensile Strength	381	kDaN	857,000	lb
Conn. Torsional Yield	27,300	ft-lbs		
Rec. Makeup Torque*	16,400	ft-lbs		

*Recommended makeup torque for mating components may be lower; use lower of the two values



SECTION VIEW

The DDP can be easily configured for a chosen activation pressure. **Nominal burst number** engraved on port represents burst pressure in **MPa x 10**, e.g. port with nom. burst number 482 represents burst pressure of 48.2 MPa (7000 psi).



PORT

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BOON DRILLING TECHNOLOGIES

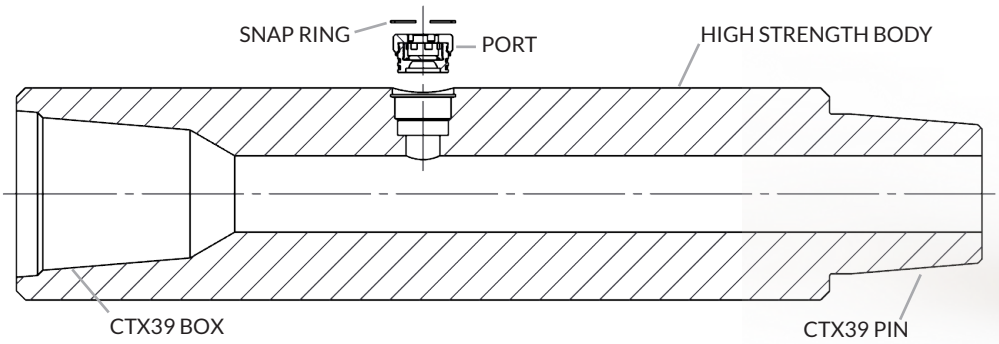
INSTALLATION & MAINTENANCE

DDP CTX 39
DRILLING DRAIN PORT

Tool Properties				
OD (Outer Ø)	133	mm	5.250	in
ID (Inner Ø)	57	mm	2.250	in
Length (Seal to Seal)	0.61	m	24	in

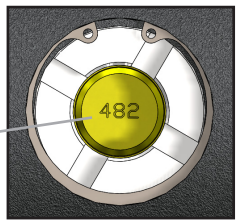
Mechanical Properties				
Connection	CTX 39			
Material Yield	896	MPa	130	ksi
Conn. Tensile Strength	421	kDaN	947,100	lb
Conn. Torsional Yield[1]	40,700	ft-lbs		
Rec. Makeup Torque[2]	24,400	ft-lbs		

[1,2] Conn. Torsional Yield and Rec. Makeup Torque calculated base on standard connection size - 4.875" x 2.563"



SECTION VIEW

The DDP can be easily configured for a chosen activation pressure. **Nominal burst number** engraved on port represents burst pressure in **MPa x 10**, e.g. port with nom. burst number 482 represents burst pressure of 48.2 MPa (7000 psi).



PORT

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BOON DRILLING TECHNOLOGIES

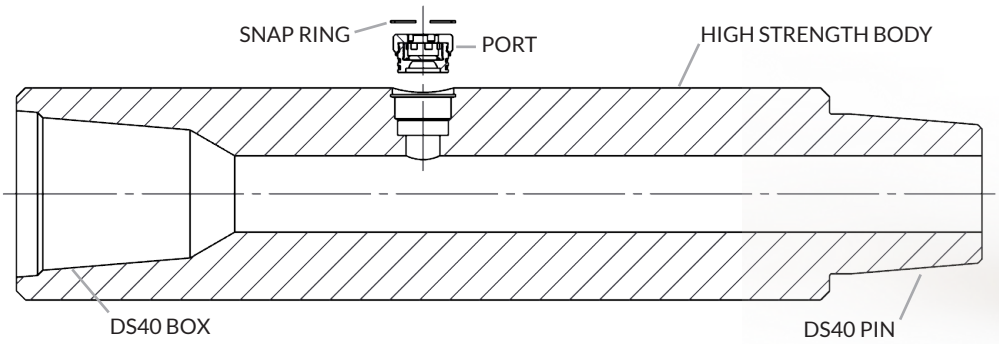
INSTALLATION & MAINTENANCE

DDP DS 40
DRILLING DRAIN PORT

Tool Properties				
OD (Outer Ø)	133	mm	5.250	in
ID (Inner Ø)	57	mm	2.250	in
Length (Seal to Seal)	0.61	m	24	in

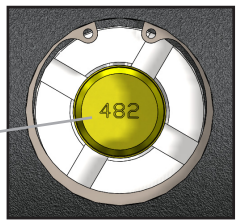
Mechanical Properties				
Connection	DS 40			
Material Yield	896	MPa	130	ksi
Conn. Tensile Strength	374	kDaN	840,800	lb
Conn. Torsional Yield[1]	35,400	ft-lbs		
Rec. Makeup Torque[2]	21,200	ft-lbs		

[1,2] Conn. Torsional Yield and Rec. Makeup Torque calculated base on standard connection size - 5.250" x 2.688"



SECTION VIEW

The DDP can be easily configured for a chosen activation pressure. **Nominal burst number** engraved on port represents burst pressure in **MPa x 10**, e.g. port with nom. burst number 482 represents burst pressure of 48.2 MPa (7000 psi).



PORT

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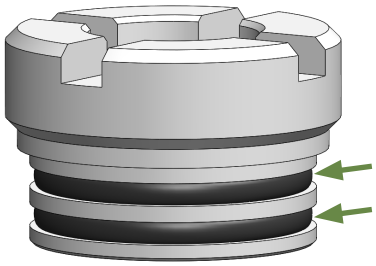
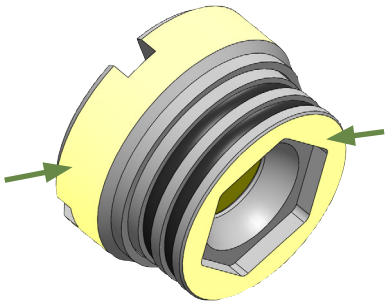
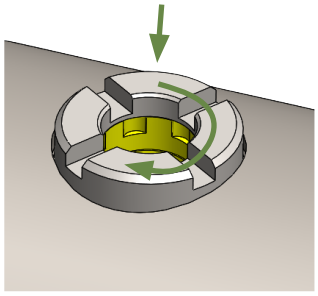
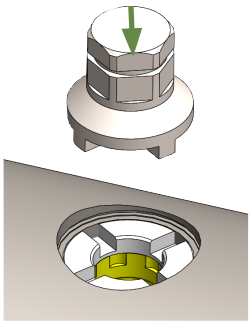
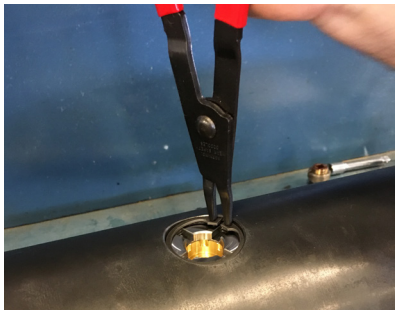
BOON DRILLING TECHNOLOGIES

INSTALLATION & MAINTENANCE

DRILLING DRAIN PORT - INSTALLATION

Prior to port installation, inspect components for damage and clean threads and sealing surfaces of any dirt/debris.

1.	Verify O-Rings (size 125) are installed correctly. 	**2.**	Apply Kopr-Kote to threads and end face. 
3.	Install port into body. 	**4.**	Install X-Wrench into port and thread port into body. 
5.	Torque port to **200 ft-lbs** (270 N·m) using 1.0" socket. 	**6.**	Install snap ring (N5000-181). 

Disassembly: Remove snap ring and unthread port from body using X-Wrench tool. Exercise caution around burst port as edges can be extremely sharp.