



OnePatch

Wellbore Repair and Isolation

OVERVIEW

The OnePatch is a simple cost effective solution to mechanically isolate various wellbore integrity issues. Its compact design and simple operation allows repairs to be made very quickly. The OnePatch is constructed from a thick 0.250 in. wall tubular designed to last the life of the well. High pressure ratings are achieved without any additional support from the mother casing required. Premium elastomers seal at the top and bottom of the OnePatch. The OnePatch is delivered “rig ready” and only requires making up one connection prior to running in the hole.

APPLICATIONS

- Collar leaks
- Cover perforations
- Corrosion
- Leaking DV tools
- Parted casing
- Split casing
- Water shut off

FEATURES & BENEFITS

- Compact design
- Simple operation
- Large bore ID
- Fully expandable
- Constructed from heavy wall material
- Easily deployed on coiled tubing or stick pipe
- NACE A H₂S compliant
- Straddle intervals up to 25 ft
- Live well deployable

SPECIFICATIONS

Customers Casing			
OD	Wt	ID	API Drift
[in]	[lb\ft]	[in]	[in]
4.5	13.5	3.920	3.795
	11.6	4.000	3.875
	10.5	4.052	3.927

Expanded Tubular Geometry		
OD	Nominal ID	Special Drift
[in]	[in]	[in]
3.810	3.321	3.261
3.900	3.416	3.356
3.959	3.478	3.418

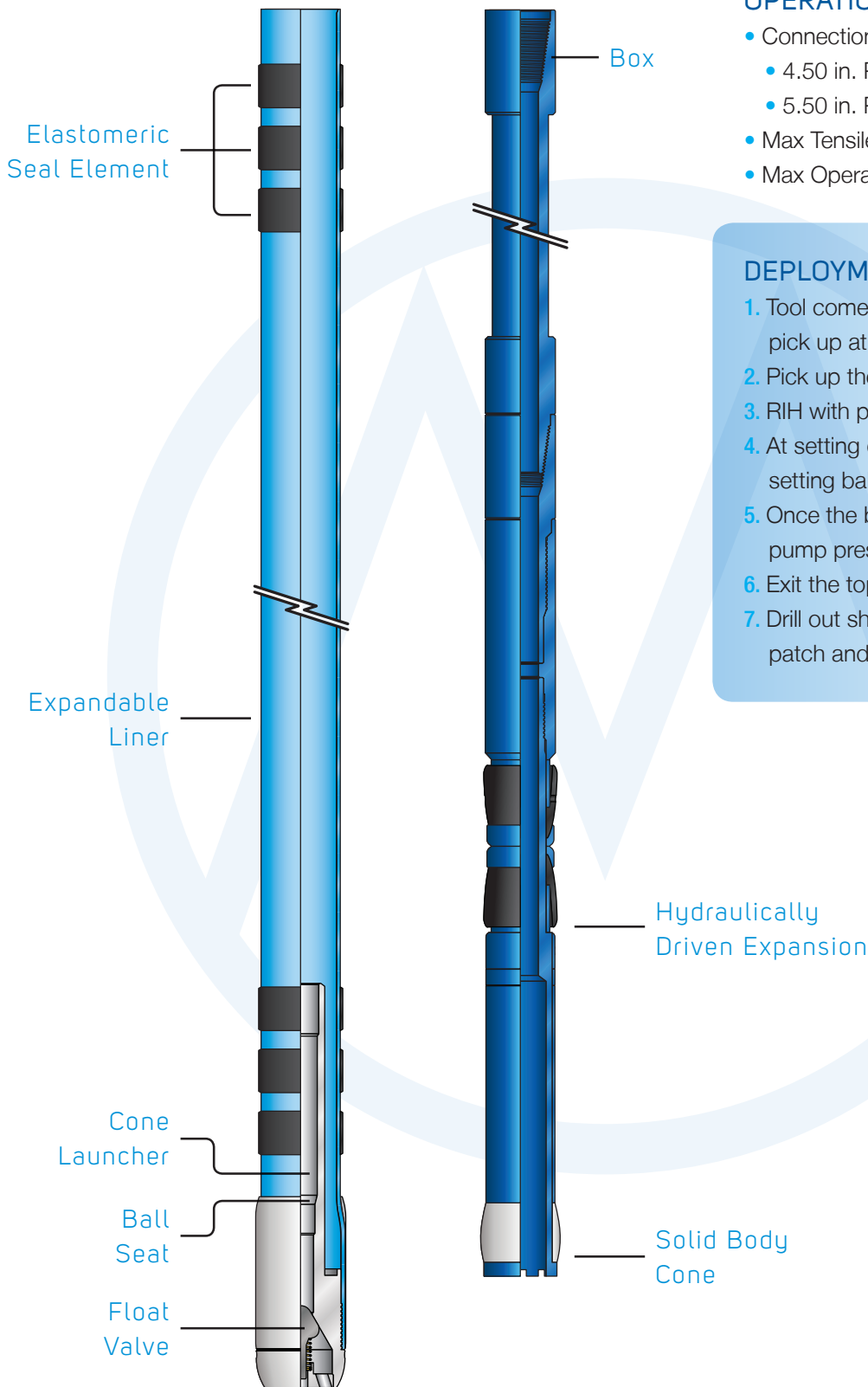
Expanded Tubular Performance	
Int. Yield	Collapse
[psi]	[psi]
10,000	5,000
10,000	5,000
10,000	5,000

Customers Casing			
OD	Wt	ID	API Drift
[in]	[lb\ft]	[in]	[in]
5.50	23.0	4.670	4.545
	20.0	4.778	4.653
	17.0	4.892	4.767
	15.5	4.950	4.825

Expanded Tubular Geometry		
OD	Nominal ID	Special Drift
[in]	[in]	[in]
4.552	4.066	4.006
4.670	4.190	4.130
4.795	4.321	4.261
4.859	4.387	4.327

Expanded Tubular Performance	
Int. Yield	Collapse
[psi]	[psi]
8,000	4,000
8,000	4,000
8,000	4,000
8,000	4,000

Custom sizes available upon request.



OPERATIONAL SPECIFICATIONS

- Connection up:
 - 4.50 in. Patch – 2-3/8 4.7# Hydril CS Box
 - 5.50 in. Patch – 2-7/8 7.9# PH6 Box
- Max Tensile Rating: 140,000 lbs
- Max Operating Pressure: 10,000 PSI

DEPLOYMENT PROCEDURE

1. Tool comes pre-assembled and ready to pick up at the rig
2. Pick up the patch, make up to workstring
3. RIH with patch at 90 ft/min
4. At setting depth, drop the provided 1 in. setting ball and pump it down at 1 BPM
5. Once the ball seats, continue increasing pump pressure to expand the patch
6. Exit the top of the patch and POOH
7. Drill out shoe at the bottom of casing patch and continue rig operations

INFO@MOHAWKENERGY.COM
+1.713.956.7473