

# Inner Core – OnePatch

Our OnePatch is a rig ready solution to isolate various casing integrity issues. Its compact design and simple operation enable repairs to be made efficiently, significantly reducing operational expenditure.

The tool can seal perforations or repair leaking casing while providing a large production conduit to bring the well back online. The device can be snubbed on a live well so there is no requirement to cease production before deployment.

With its robust construction, it is designed to last the life of the well.

## FEATURES

- Bottom-up hydraulic expansion system
- Premium elastomer seal at the top and bottom
- Shoe design enables simple drill out post expansion

## BENEFITS

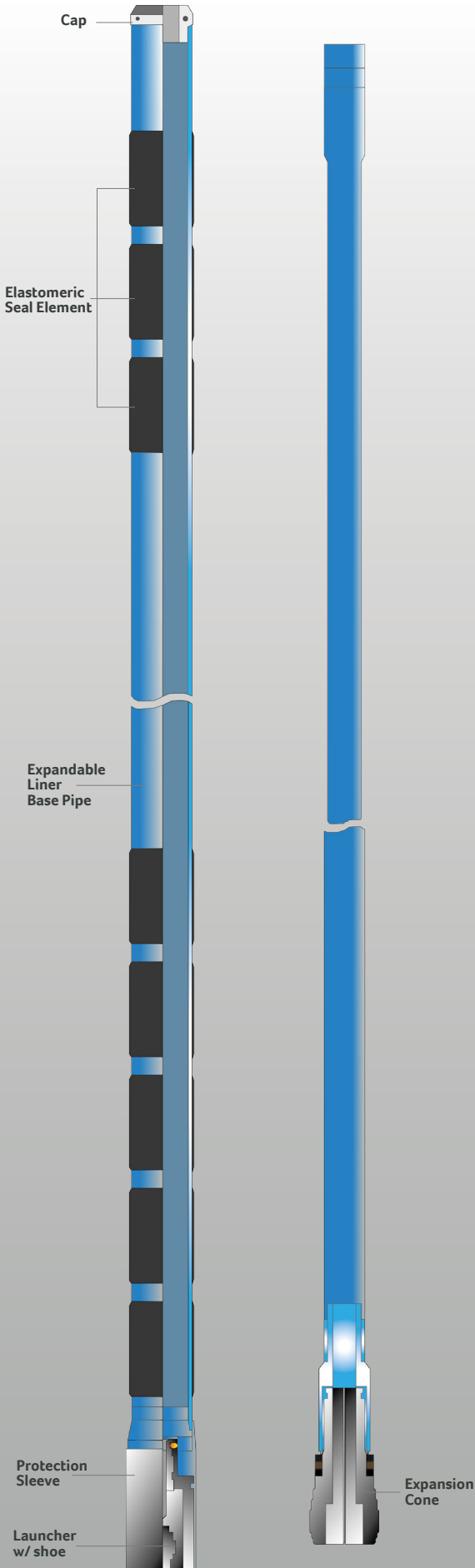
- No personnel required for deployment
- Straddle intervals up to 25ft
- Makes directly up to the workstring
- NACE H<sub>2</sub>S compliant
- Air freight compatible design available
- Deployable on jointed, stick pipe or coiled tubing
- Quickly/immediatly deployable (i.e. these can be on the rig ready for urgent deployment)

## APPLICATIONS

- Isolation of tubular leaks
- Isolation of failed completion components
- Perforation shut off - Isolation of unwanted water & gas
- Isolation sand screen to negate sand ingress
- Perforation shut off – isolation post cement squeeze
- Corrosion isolation

## CORE PRODUCT SYNERGIES (CPS)

- Hi Pro Casing Scraper & Hi Pro Casing Brush
- ADS (Activated Drilling Scraper)
- CX-DB (Drillable Brush)



# SPECIFICATIONS

Parent Casing				Pre-Expanded Running Specifications				Expanded Geometry				Expanded Performance			
OD [in]	Weight [lb/ft]	Wall Thickness [in]	ID [in]	Nominal Drift [in]	OD [in]	Maximum RIH OD [in]	Wall Thickness [in]	DLS Limit ["/100]	OD [in]	Nominal Drift [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade
13.375	77.0	0.550	12.275	12.119	10.750	12.119	0.350	23	12.068	11.432	11.372	13.8	3,933	910	MTX-60
13.375	72.0	0.514	12.347	12.191	10.750	12.191	0.350	23	12.142	11.510	11.450	14.5	3,913	870	MTX-60
13.375	68.0	0.480	12.415	12.259	10.750	12.259	0.350	23	12.212	11.583	11.523	15.3	3,895	840	MTX-60
13.375	54.5	0.380	12.615	12.459	10.750	12.459	0.350	23	12.417	11.798	11.738	17.4	3,840	760	MTX-60
11.875	71.8	0.582	10.711	10.555	9.625	10.555	0.352	26	10.496	9.840	9.780	10.3	4,522	1,480	MTX-60
11.750	65.0	0.534	10.682	10.526	9.625	10.480	0.352	26	10.466	9.809	9.749	9.9	4,532	1,500	MTX-60
11.750	60.0	0.489	10.772	10.616	9.625	10.616	0.352	26	10.559	9.906	9.846	11.0	4,501	1,430	MTX-60
7.000	38.0	0.540	5.920	5.795	5.500	5.795	0.304	45	5.703	5.114	5.054	4.5	7,092	4,570	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.879	0.304	45	5.791	5.209	5.149	6.5	7,020	4,310	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.969	0.304	45	5.884	5.311	5.251	8.6	6,941	4,030	MTX-60
7.000	29.0	0.408	6.184	6.059	5.500	6.059	0.304	45	5.978	5.413	5.353	10.7	6,861	3,770	MTX-60
7.000	26.0	0.362	6.276	6.151	5.500	6.121	0.304	45	6.074	5.518	5.458	12.8	6,777	3,500	MTX-60
7.000	23.0	0.317	6.366	6.241	5.500	6.211	0.304	45	6.168	5.620	5.560	14.9	6,695	3,250	MTX-60
7.000	20.0	0.272	6.456	6.331	5.500	6.301	0.304	45	6.262	5.722	5.662	17.0	6,610	3,010	MTX-60
7.000	38.0	0.540	5.920	5.795	5.500	5.795	0.361	45	5.704	5.004	4.944	4.7	8,426	6,300	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.879	0.361	45	5.761	5.069	5.009	6.1	8,370	6,090	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.969	0.361	45	5.856	5.174	5.114	8.3	8,278	5,750	MTX-60
7.000	29.0	0.408	6.184	6.059	5.500	6.059	0.361	45	5.950	5.279	5.219	10.5	8,183	5,420	MTX-60
7.000	26.0	0.362	6.276	6.151	5.500	6.151	0.361	45	6.047	5.386	5.326	12.7	8,083	5,100	MTX-60
7.000	23.0	0.317	6.366	6.241	5.500	6.241	0.361	45	6.141	5.491	5.431	14.9	7,984	4,790	MTX-60
7.000	20.0	0.272	6.456	6.331	5.500	6.331	0.361	45	6.236	5.596	5.536	17.1	7,883	4,490	MTX-60
6.625	24.0	0.352	5.921	5.796	5.500	5.796	0.304	45	5.704	5.115	5.055	4.6	7,091	4,570	MTX-60

1. All values are based on MTX-60 material grade. Other material grades are available on request.

2. All values calculated at ambient temperature unless otherwise noted.

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5.500	23.0	0.415	4.670	4.545	4.250	4.515	0.310	58	4.539	3.956	3.896	9.0	9,184	6,830	MTX-60
5.500	20.0	0.361	4.778	4.653	4.250	4.623	0.310	58	4.652	4.084	4.024	12.5	9,020	6,260	MTX-60
5.500	17.0	0.304	4.892	4.767	4.250	4.737	0.310	58	4.771	4.218	4.158	16.2	8,839	5,700	MTX-60
5.500	15.5	0.275	4.950	4.825	4.250	4.795	0.310	58	4.832	4.287	4.227	18.1	8,744	5,420	MTX-60
5.500	14.0	0.244	5.012	4.887	4.250	4.857	0.310	58	4.897	4.360	4.300	20.1	8,642	5,130	MTX-60
5.500	23.0	0.415	4.670	4.545	4.250	4.655	0.250	58	4.538	4.066	4.006	8.4	7,399	4,620	MTX-60
5.500	20.0	0.361	4.778	4.653	4.250	4.655	0.250	58	4.651	4.190	4.130	11.7	7,266	4,180	MTX-60
5.500	17.0	0.304	4.892	4.767	4.250	4.767	0.250	58	4.770	4.321	4.261	15.2	7,122	3,740	MTX-60
5.500	15.5	0.275	4.950	4.825	4.250	4.825	0.250	58	4.830	4.387	4.327	17.0	7,047	3,520	MTX-60
5.500	14.0	0.244	5.012	4.887	4.250	4.857	0.250	58	4.895	4.458	4.398	18.9	6,966	3,300	MTX-60
5.000	26.7	0.562	3.876	3.751	3.500	3.721	0.254	71	3.768	3.294	3.234	10.1	9,085	6,580	MTX-60
5.000	24.2	0.500	4.000	3.875	3.500	3.845	0.254	71	3.898	3.441	3.381	15.0	8,852	5,820	MTX-60
5.000	23.2	0.478	4.044	3.919	3.500	3.701	0.254	71	3.944	3.493	3.433	16.7	8,766	5,570	MTX-60
5.000	21.4	0.437	4.126	4.001	3.500	3.971	0.254	71	4.030	3.590	3.530	20.0	8,603	5,100	MTX-60
5.000	20.8	0.422	4.156	4.031	3.500	4.001	0.254	71	4.061	3.625	3.565	21.2	8,542	4,930	MTX-60
5.000	18.0	0.362	4.276	4.151	3.875	4.121	0.254	64	4.168	3.692	3.632	9.7	8,207	5,530	MTX-60
4.500	15.1	0.337	3.826	3.701	3.500	3.671	0.254	71	3.716	3.235	3.175	8.1	9,176	6,910	MTX-60
4.500	13.5	0.290	3.920	3.795	3.500	3.765	0.254	71	3.814	3.346	3.286	11.8	9,004	6,310	MTX-60
4.500	12.6	0.271	3.958	3.833	3.500	3.803	0.254	71	3.832	3.366	3.306	12.5	8,972	6,200	MTX-60
4.500	11.6	0.250	4.000	3.875	3.500	3.845	0.254	71	3.876	3.416	3.356	14.2	8,891	5,950	MTX-60
4.500	10.5	0.224	4.052	3.927	3.500	3.897	0.254	71	3.931	3.478	3.418	16.3	8,790	5,640	MTX-60
4.500	9.5	0.205	4.090	3.965	3.500	3.935	0.254	71	3.972	3.524	3.464	17.8	8,715	5,410	MTX-60

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