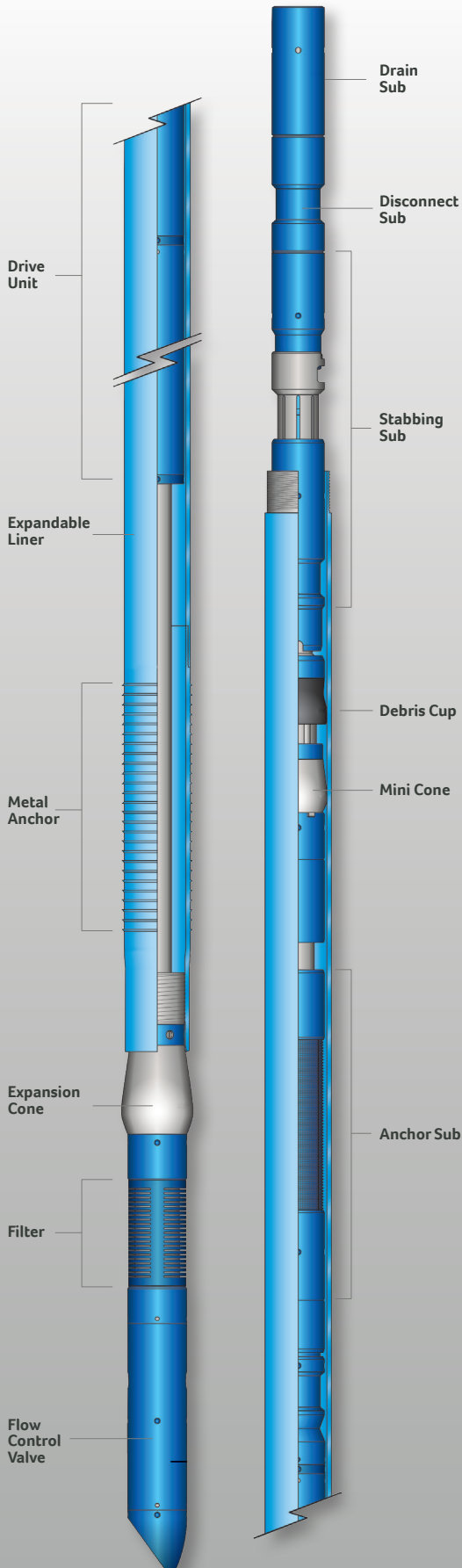


Inner Core - ReLine MNS



Our flagship ReLine MNS system provides a single trip isolation solution with significant added value of no shoe milling, enabling the relining and isolation of various casing integrity concerns.

Once installed the ReLine MNS provides minimal loss of inner diameter (ID), whilst providing high burst and collapse ratings.

The MNS cased hole system is designed for deployment primarily on jointed pipe but can be adapted in certain applications to be deployed on coil tubing, providing the ability to cover both long and short intervals

FEATURES

- Single trip and shoeless
- Extensive size range
- Hydro mechanical bottoms-up expansion
- High pressure burst & collapse ratings
- High performance material & elastomer options
- Long length isolation achieved via proprietary e2m expandable connection
- Flow activated valve to allow for pressurizing system
- Shoeless design
- Metal to metal sealing capabilities
- Minimized/slim OD to drift restrictions
- Exotic/corrosion resistant alloys availability

BENEFITS

- No shoe milling requirement
- Extensive size range
- Single trip, long length isolation
- Selective placement of premium elastomers for zonal isolation
- Optimised post expansion ID allows for maximized reserve recovery & future intervention
- Running tool design enables flexibility in liner length

APPLICATIONS

- Isolation of unwanted water & gas
- Isolation of sand screens to negate sand ingress
- Corrosion isolation
- Isolation of casing & tubular leaks
- Isolation of leaking or compromised completions components:
 - SSD (Sliding Side Door)
 - ICV (Inflow Control Valve)
 - ICD (Inflow Control Device)
 - GLV (Gas Lift Valve)
 - CIV (Chemical Injection Valve)
- Velocity string
- Refrac/recompletion
- Parted casing
- Leaking liner hanger
- Zonal isolation

CORE PRODUCT SYNERGIES (CPS)

- ADS (Activated Drilling Scraper)
- Origin WBCU portfolio



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 ID [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.310	36.0	4.422	3.812	3.752	5.0	10,389	8680	MTX-70
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.310	36.0	4.557	3.956	3.696	9.0	10,319	8060	MTX-70
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.310	36.0	4.678	4.084	4.024	12.5	10,253	7530	MTX-70
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.310	36.0	4.805	4.218	4.158	16.2	10,178	7000	MTX-70
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.310	36.0	4.869	4.287	4.227	18.1	10,138	6750	MTX-70
5.500	14.0	0.244	5.012	4.887	4.250	4.490	0.310	36.0	4.939	4.300	4.300	20.1	10,094	6480	MTX-70
5.500	12.8	0.228	5.044	4.919	4.250	4.490	0.310	36.0	4.974	4.398	4.338	21.2	10,071	6340	MTX-70
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.250	36.0	4.419	3.926	3.666	4.7	8,568	5870	MTX-70
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.250	36.0	4.552	4.066	4.006	8.4	8,305	5380	MTX-70
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.250	36.0	4.670	4.190	4.130	11.7	8,247	4960	MTX-70
5.500	17.0	0.304	4.829	4.767	4.250	4.490	0.250	36.0	4.795	4.321	4.261	15.2	8,183	4550	MTX-70
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.250	36.0	4.859	4.387	4.327	17.0	8,149	4350	MTX-70
5.500	14.0	0.244	5.012	4.887	4.250	4.590	0.250	36.0	4.872	4.401	4.341	17.4	8,141	4300	MTX-70
5.500	13.0	0.228	5.044	4.919	4.250	4.490	0.250	36.0	4.962	4.495	4.435	19.9	8,093	4030	MTX-70
5.000	26.7	0.562	3.876	3.751	3.500	3.740	0.254	43.7	3.761	3.269	3.209	9.2	10,261	7940	MTX-70
5.000	24.2	0.500	4.000	3.875	3.500	3.740	0.254	43.7	3.900	3.416	3.356	14.2	10,166	7220	MTX-70
5.000	21.4	0.437	4.044	3.919	3.500	3.740	0.254	43.7	3.960	3.469	3.409	15.9	10,130	6970	MTX-70
5.000	20.8	0.422	4.126	4.001	3.500	3.740	0.254	43.7	4.042	3.567	3.507	19.2	10,061	6530	MTX-70
5.000	18.0	0.362	4.156	4.031	3.500	3.740	0.254	43.7	4.076	3.602	3.542	20.4	10,035	6380	MTX-70
5.000	15.1	0.337	4.276	4.151	3.875	4.115	0.254	39.5	4.160	3.667	3.607	8.9	9,259	6620	MTX-70
4.500	15.1	0.337	3.826	3.701	3.500	3.740	0.254	43.7	3.705	3.209	3.149	7.3	10,297	8250	MTX-70
4.500	13.5	0.290	3.920	3.795	3.500	3.740	0.254	43.7	3.810	3.321	3.261	11.0	10,228	7680	MTX-70
4.500	12.6	0.271	3.958	3.833	3.500	3.740	0.254	43.7	3.863	3.366	3.306	12.5	10,199	7460	MTX-70
4.500	11.6	0.250	4.000	3.875	3.500	3.740	0.254	43.7	3.900	3.416	3.356	14.2	10,166	7220	MTX-70

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

2. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.



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 ID [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade
9.875	62.8	0.625	8.625	8.469	7.625	7.925	0.375	18.5	8.454	7.735	7.675	12.5	6.277	2,910	MTX-60
9.625	55.5	0.545	8.535	8.379	7.625	7.925	0.430	18.5	8.363	7.536	7.476	11.4	7.232	4,170	MTX-60
9.625	47.0	0.472	8.681	8.525	7.625	7.925	0.430	18.5	8.521	7.700	7.640	13.8	7,192	3,930	MTX-60
9.625	43.5	0.435	8.755	8.599	7.625	7.925	0.430	18.5	8.600	7.783	7.723	15.1	7,171	3,810	MTX-60
9.625	40.0	0.395	8.835	8.679	7.625	7.925	0.430	18.5	8.686	7.873	7.813	16.4	7,149	3,690	MTX-60
9.625	36.0	0.352	8.921	8.765	7.625	7.925	0.430	18.5	8.779	7.970	7.910	17.8	7,124	3,560	MTX-60
9.625	53.5	0.545	8.535	8.379	7.625	7.925	0.375	18.5	8.358	7.635	7.575	11.1	6,299	3,040	MTX-60
9.625	47.0	0.472	8.681	8.525	7.625	7.925	0.375	18.5	8.514	7.797	7.737	13.4	6,263	2,840	MTX-60
9.625	43.5	0.435	8.755	8.599	7.625	7.925	0.375	18.5	8.593	7.879	7.819	14.6	6,245	2,730	MTX-60
9.625	40.0	0.395	8.835	8.679	7.625	7.925	0.375	18.5	8.678	7.968	7.908	15.9	6,225	2,630	MTX-60
9.625	36.0	0.352	8.921	8.765	7.625	7.925	0.375	18.5	8.770	8.064	8.004	17.3	6,203	2,550	MTX-60
8.625	63.5	0.750	7.125	6.969	6.000	6.380	0.324	23.5	6.919	6.310	6.250	17.9	6.814	3,190	MTX-60
7.625	55.3	0.750	6.125	6.000	5.500	5.860	0.304	25.7	5.890	5.299	5.239	8.3	7.134	4,300	MTX-60
7.625	51.2	0.687	6.251	6.126	5.500	5.860	0.304	25.7	6.028	5.443	5.383	11.3	7.088	4,000	MTX-60
7.625	47.1	0.625	6.375	6.250	5.500	5.860	0.304	25.7	6.164	5.585	5.525	14.2	7.041	3,720	MTX-60
7.625	39.0	0.500	6.625	6.500	6.000	6.380	0.324	23.5	6.372	5.740	5.680	7.2	6.984	4,200	MTX-60
7.625	33.7	0.430	6.765	6.640	6.000	6.380	0.324	23.5	6.525	5.900	5.840	10.2	6.939	3,900	MTX-60
7.625	29.7	0.375	6.875	6.750	6.000	6.380	0.324	23.5	6.646	6.025	5.965	12.6	6.901	3,670	MTX-60
7.625	26.4	0.328	6.969	6.844	6.000	6.380	0.324	23.5	6.749	6.132	6.072	14.6	6.869	3,480	MTX-60
7.000	36.0	0.540	5.920	5.795	5.500	5.800	0.361	25.7	5.718	5.008	4.948	4.8	8.545	6,450	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.800	0.361	25.7	5.811	5.105	5.045	6.9	8.514	6,190	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.800	0.361	25.7	5.910	5.210	5.150	9.0	8.478	5,930	MTX-60
7.000	29.0	0.408	6.184	6.059	5.500	5.800	0.361	25.7	6.009	5.314	5.254	11.2	8.442	5,680	MTX-60
7.000	26.0	0.362	6.276	6.151	5.500	5.800	0.361	25.7	6.111	5.421	5.361	13.5	8.403	5,420	MTX-60
7.000	23.0	0.317	6.366	6.241	5.500	5.800	0.361	25.7	6.207	5.522	5.462	15.6	8.365	5,190	MTX-60
7.000	20.0	0.272	6.456	6.331	5.500	5.800	0.361	25.7	6.309	5.630	5.570	17.8	8.323	4,950	MTX-60
7.000	36.0	0.540	5.920	5.795	5.500	5.800	0.304	25.7	5.716	5.117	5.057	4.6	7,190	4,690	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.800	0.304	25.7	5.807	5.212	5.152	6.5	7,161	4,480	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.800	0.304	25.7	5.905	5.315	5.255	8.6	7,129	4,260	MTX-60

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

2. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.



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 ID [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade	
7.000	26.0	0.362	6.276	6.151	5.500	5.800	0.304	25.7	6.103	5.521	5.461	12.9	7,062	3,840	MTX-60	
7.000	23.0	0.317	6.366	6.241	5.500	5.800	0.304	25.7	6.198	5.620	5.560	14.9	7,029	3,650	MTX-60	
7.000	20.0	0.272	6.456	6.331	5.500	5.800	0.304	25.7	6.299	5.726	5.666	17.0	6,992	3,460	MTX-60	
6.625	24.0	0.352	5.921	5.796	5.500	5.800	0.304	25.7	5.717	5.118	5.058	4.6	7,190	4,690	MTX-60	
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.310	30.9	4.422	3.812	3.752	5.0	9,502	7,680	MTX-60	
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.310	30.9	4.557	3.956	3.896	9.0	9,438	7,150	MTX-60	
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.310	30.9	4.678	4.084	4.024	12.5	9,377	6,700	MTX-60	
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.310	30.9	4.805	4.218	4.158	16.2	9,309	6,250	MTX-60	
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.310	30.9	4.869	4.287	4.227	18.1	9,272	6,040	MTX-60	
5.500	14.0	0.244	5.012	4.887	4.250	4.490	0.310	30.9	4.939	4.360	4.300	20.1	9,232	5,810	MTX-60	
5.500	12.8	0.228	5.044	4.919	4.250	4.490	0.310	30.9	4.974	4.398	4.338	21.2	9,211	5,690	MTX-60	
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.310	30.9	4.419	3.926	3.866	4.7	7,653	5,290	MTX-60	
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.250	30.9	4.552	4.066	4.006	8.4	7,596	4,870	MTX-60	
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.250	30.9	4.670	4.190	4.130	11.7	7,543	4,520	MTX-60	
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.250	30.9	4.795	4.321	4.261	15.2	7,484	4,170	MTX-60	
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.250	30.9	4.869	4.387	4.327	17.0	7,453	4,000	MTX-60	
5.500	14.0	0.244	5.012	4.887	4.250	4.490	0.250	30.9	4.872	4.401	4.341	17.4	7,446	3,960	MTX-60	
5.500	13.0	0.228	5.044	4.919	4.250	4.490	0.250	30.9	4.962	4.495	4.435	19.9	7,402	3,730	MTX-60	
5.000	26.7	0.562	3.876	3.751	3.500	3.740	0.254	37.5	3.761	3.269	3.209	9.2	9,385	7,050	MTX-60	
5.000	24.2	0.500	4.000	3.875	3.500	3.740	0.254	37.5	3.900	3.416	3.356	14.2	9,298	6,440	MTX-60	
5.000	23.2	0.478	4.044	3.919	3.500	3.740	0.254	37.5	3.950	3.469	3.409	15.9	9,265	6,230	MTX-60	
5.000	21.4	0.437	4.126	4.001	3.500	3.740	0.254	37.5	4.042	3.567	3.507	19.2	9,202	5,850	MTX-60	
5.000	20.8	0.422	4.156	4.031	3.500	3.740	0.254	37.5	4.076	3.602	3.542	20.4	9,178	5,720	MTX-60	
5.000	18.0	0.362	4.276	4.151	3.875	4.115	0.254	33.9	4.160	3.667	3.607	8.9	8,469	5,930	MTX-60	
4.500	15.1	0.337	3.826	3.701	3.500	3.740	0.254	37.5	3.705	3.209	3.149	7.3	9,418	7,310	MTX-60	
4.500	13.5	0.290	3.920	3.795	3.500	3.740	0.254	37.5	3.810	3.321	3.261	11.0	9,355	6,830	MTX-60	
4.500	12.6	0.271	3.958	3.833	3.500	3.740	0.254	37.5	3.853	3.366	3.306	12.5	9,328	6,640	MTX-60	
4.500	11.6	0.250	4.000	3.875	3.500	3.740	0.254	37.5	3.900	3.416	3.356	14.2	9,298	6,440	MTX-60	

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

2. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.