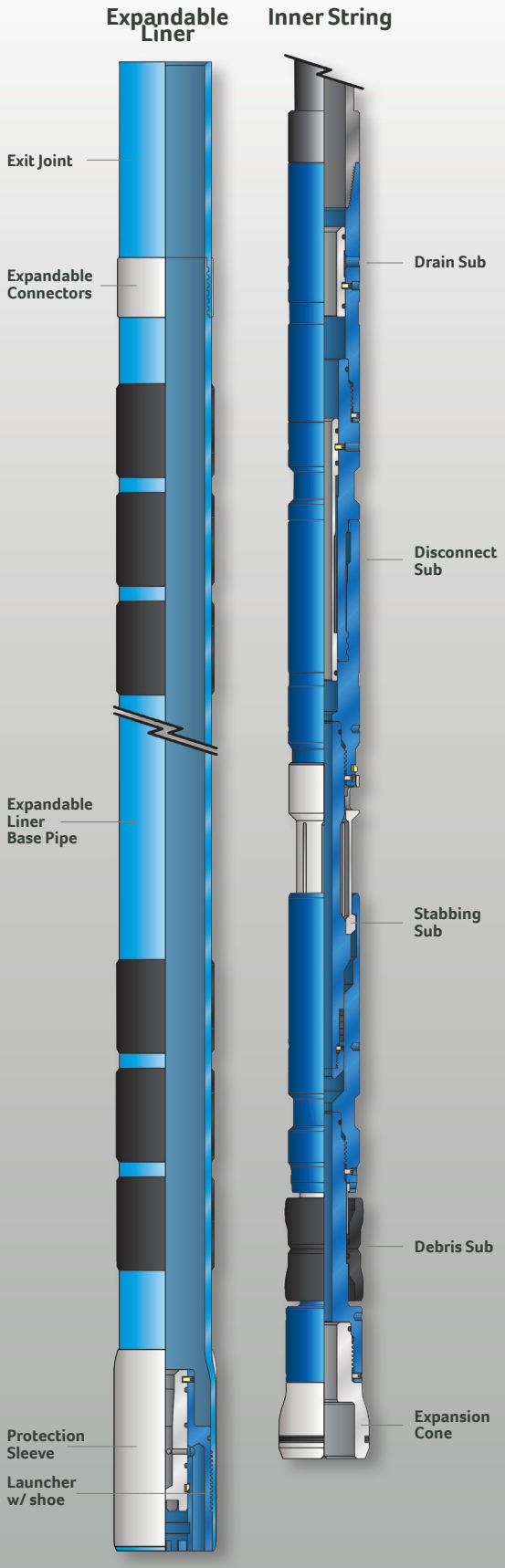
CORE
METAL EXPANDABLES

# Inner Core - ReLine HYD




## During the life of a well, tubulars or components may suffer a loss of integrity, damage, or corrosion.

ReLine HYD expandable tubular solution provides both short & long length isolation solutions for these issues with minimal loss of inner diameter, whilst providing high burst and collapse ratings.

The expansion system uses hydraulic pressure to pump the expansion cone from the bottom of the liner to the top.

## FEATURES

- Hydraulic bottom-up expansion
- Long length isolation achieved via proprietary e2m expandable connection
- High pressure burst & collapse ratings
- Extensive material & elastomer options
- Shoe design enables effortless drill out

## BENEFITS

- Long length expansion
- Selective placement of premium elastomers
- Optimised post expansion ID allows for enhanced reserve recovery & future intervention
- Running tool design enables flexibility in liner length
- Hydraulically driven and workstring expansion process reduces the overpull requirements of the rig
- Can be deployed on coiled tubing or jointed pipe

## APPLICATIONS

- Isolation of unwanted water, gas & sand ingress
- Corrosion isolation
- Isolation of tubular leaks
- Velocity string
- Isolation of leaking or compromised completions components:
  - SSD (Sliding Side Door)
  - ICV (In low Control Valve)
  - ICD (In low Control Device)
  - GLV (Gas Lift Valve)
  - CIV (Chemical Injection Valve)

## CORE PRODUCT SYNERGIES

- Origin WBCU Portfolio

CORETRAX®
EXPAND THE LIMITS

## SPECIFICATIONS

| Parent Wellbore or Casing | | | | | | | Pre-Expanded Running Specs | | | Expanded Geometry | | | | Expanded Performance | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OD | Weight | Wall Thickness | ID | API ID Min | API ID Max | Nominal Drift ID | OD | Wall Thickness | Maximum RIH OD | OD | Nominal ID | Special Drift | Expansion Ratio | Internal Yield Pressure | Collapse Pressure |
| [in] | [lb/ft] | [in] | [in] | [in] | [in] | [in] | [in] | [in] | [in] | [in] | [in] | [in] | [%] | [psi] | [psi] |
| 13.375 | 77.0 | 0.550 | 12.275 | 12.208 | 12.460 | 12.119 | 10.750 | 0.350 | 12.089 | 12.068 | 11.432 | 11.307 | 13.8 | 3,933 | 910 |
| 13.375 | 72.0 | 0.514 | 12.347 | 12.280 | 12.528 | 12.191 | 10.750 | 0.350 | 12.161 | 12.142 | 11.510 | 11.385 | 14.5 | 3,913 | 870 |
| 13.375 | 68.0 | 0.480 | 12.415 | 12.348 | 12.593 | 12.259 | 10.750 | 0.350 | 12.229 | 12.212 | 11.583 | 11.458 | 15.3 | 3,895 | 840 |
| 13.375 | 54.5 | 0.380 | 12.615 | 12.448 | 12.688 | 12.459 | 10.750 | 0.350 | 12.429 | 12.417 | 11.798 | 11.673 | 17.4 | 3,840 | 760 |
| 11.875 | 71.8 | 0.582 | 10.711 | 12.548 | 12.783 | 10.555 | 9.625 | 0.352 | 10.525 | 10.475 | 9.818 | 9.693 | 10.1 | 4,529 | 1,490 |
| 11.750 | 65.0 | 0.534 | 10.682 | 10.652 | 10.884 | 10.526 | 9.625 | 0.352 | 10.496 | 10.445 | 9.786 | 9.661 | 9.7 | 4,538 | 1,510 |
| 11.750 | 60.0 | 0.489 | 10.772 | 10.623 | 10.849 | 10.616 | 9.625 | 0.352 | 10.586 | 10.538 | 9.885 | 9.760 | 10.8 | 4,508 | 1,450 |
| 10.750 | 60.7 | 0.545 | 9.660 | 9.606 | 9.819 | 9.504 | 8.625 | 0.571 | 9.442 | 9.388 | 8.332 | 8.207 | 11.3 | 8,226 | 5,420 |
| 10.750 | 60.7 | 0.545 | 9.660 | 9.606 | 9.819 | 9.504 | 8.625 | 0.417 | 9.442 | 9.394 | 8.619 | 8.494 | 10.6 | 5,988 | 2,680 |
| 10.750 | 40.5 | 0.350 | 10.050 | 9.996 | 10.189 | 9.894 | 8.625 | 0.417 | 9.864 | 9.855 | 9.116 | 8.991 | 17.0 | 5,801 | 2,300 |
| 9.875 | 62.8 | 0.625 | 8.625 | 8.576 | 8.784 | 8.469 | 7.625 | 0.375 | 8.349 | 8.330 | 7.635 | 7.511 | 11.1 | 6,078 | 2,770 |
| 9.625 | 53.5 | 0.545 | 8.535 | 8.487 | 8.683 | 8.379 | 7.625 | 0.375 | 8.349 | 8.330 | 7.635 | 7.510 | 11.1 | 6,078 | 2,770 |
| 9.625 | 47.0 | 0.472 | 8.681 | 8.633 | 8.821 | 8.525 | 7.625 | 0.430 | 8.495 | 8.411 | 7.624 | 7.499 | 12.7 | 6,921 | 3,690 |
| 9.625 | 47.0 | 0.472 | 8.681 | 8.633 | 8.821 | 8.525 | 7.625 | 0.375 | 8.495 | 8.480 | 7.797 | 7.672 | 13.4 | 5,994 | 2,550 |
| 9.625 | 43.5 | 0.435 | 8.755 | 8.707 | 8.892 | 8.599 | 7.625 | 0.430 | 8.569 | 8.488 | 7.708 | 7.583 | 13.9 | 6,872 | 3,530 |
| 9.625 | 43.5 | 0.435 | 8.755 | 8.707 | 8.892 | 8.599 | 7.625 | 0.375 | 8.569 | 8.556 | 7.879 | 7.754 | 14.6 | 5,951 | 2,470 |
| 9.625 | 40.0 | 0.395 | 8.835 | 8.787 | 8.968 | 8.679 | 7.625 | 0.375 | 8.649 | 8.608 | 7.935 | 7.875* | 20.1 | 5,925 | 2,410 |
| 9.625 | 36.0 | 0.352 | 8.921 | 8.873 | 9.050 | 8.765 | 7.625 | 0.375 | 8.735 | 8.727 | 8.064 | 7.939 | 17.3 | 5,852 | 2,280 |
| 7.625 | 39.0 | 0.500 | 6.625 | 6.587 | 6.749 | 6.500 | 6.000 | 0.324 | 6.470 | 6.415 | 5.804 | 5.750 | 8.4 | 6,784 | 3,840 |
| 7.625 | 33.7 | 0.430 | 6.765 | 6.727 | 6.882 | 6.640 | 6.000 | 0.324 | 6.610 | 6.561 | 5.962 | 5.837 | 11.4 | 6,672 | 3,480 |
| 7.625 | 29.7 | 0.375 | 6.875 | 6.837 | 6.986 | 6.750 | 6.000 | 0.324 | 6.720 | 6.766 | 6.185 | 6.125* | 16.8 | 6,512 | 2,990 |
| 7.000 | 32.0 | 0.453 | 6.059 | 6.207 | 6.094 | 5.969 | 5.500 | 0.361 | 5.939 | 5.884 | 5.206 | 5.146 | 8.9 | 8,249 | 5,650 |
| 7.000 | 29.0 | 0.408 | 6.149 | 6.293 | 6.184 | 6.059 | 5.500 | 0.361 | 6.001 | 5.950 | 5.279 | 5.219 | 10.5 | 8,183 | 5,420 |
| 7.000 | 26.0 | 0.362 | 6.241 | 6.380 | 6.276 | 6.151 | 5.500 | 0.361 | 6.097 | 6.047 | 5.386 | 5.326 | 12.7 | 8,083 | 5,100 |
| 7.000 | 23.0 | 0.317 | 4.643 | 4.765 | 6.366 | 6.241 | 5.500 | 0.304 | 6.211 | 6.168 | 5.620 | 5.560 | 14.9 | 6,695 | 3,250 |
| 5.500 | 23.0 | 0.415 | 4.643 | 4.765 | 4.670 | 4.545 | 4.250 | 0.310 | 4.545 | 4.539 | 3.956 | 3.896 | 9.0 | 10,041 | 7,680 |
| 5.500 | 20.0 | 0.361 | 4.751 | 4.868 | 4.778 | 4.653 | 4.250 | 0.310 | 4.655 | 4.652 | 4.084 | 4.024 | 12.5 | 9,861 | 7,010 |
| 5.500 | 20.0 | 0.361 | 4.751 | 4.868 | 4.778 | 4.653 | 4.250 | 0.250 | 4.655 | 4.651 | 4.190 | 4.130 | 11.7 | 7,944 | 4,560 |
| 5.500 | 17.0 | 0.304 | 4.865 | 4.976 | 4.892 | 4.767 | 4.250 | 0.310 | 4.767 | 4.771 | 4.218 | 4.158 | 16.2 | 9,664 | 6,350 |
| 5.500 | 17.0 | 0.304 | 4.865 | 4.976 | 4.892 | 4.767 | 4.250 | 0.250 | 4.767 | 4.770 | 4.321 | 4.261 | 15.2 | 7,786 | 4,040 |
| 5.500 | 15.5 | 0.275 | 4.923 | 5.031 | 4.950 | 4.825 | 4.250 | 0.250 | 4.822 | 4.830 | 4.387 | 4.327 | 17.0 | 7,704 | 3,780 |
| 5.500 | 14.0 | 0.244 | 4.985 | 5.090 | 5.012 | 4.887 | 4.250 | 0.250 | 4.883 | 4.895 | 4.458 | 4.398 | 18.9 | 7,616 | 3,520 |
| 5.000 | 15.0 | 0.296 | 4.383 | 4.486 | 4.408 | 4.283 | 3.875 | 0.254 | 4.253 | 4.283 | 3.821 | 3.761 | 13.5 | 8,789 | 5,500 |
| 4.500 | 13.5 | 0.290 | 3.898 | 3.993 | 3.920 | 3.795 | 3.500 | 0.254 | 3.795 | 3.792 | 3.321 | 3.261 | 11.0 | 9,914 | 7,260 |
| 4.500 | 12.6 | 0.271 | 3.936 | 4.029 | 3.958 | 3.833 | 3.500 | 0.254 | 3.833 | 3.832 | 3.366 | 3.306 | 12.5 | 9,817 | 6,950 |
| 4.500 | 11.6 | 0.250 | 3.978 | 4.069 | 4.000 | 3.875 | 3.500 | 0.254 | 3.875 | 3.876 | 3.416 | 3.356 | 14.2 | 9,722 | 6,640 |

1. For parent casing sizes 7in. and larger, values are based on MTX-60 material grade. For parent casing sizes 5.5in. and smaller, values are based on MTX-70. Other material grades and types are available on request.
2. All values calculated at ambient temperature unless otherwise noted.
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