

## PX40-SERIES PU LINED Y/T PIPE SPOOL



*PacfloTech® PX40 Series Polyurethane Lines Y/T Pipe Spools are specifically designed for high-wear applications where abrasive slurries, tailings, or other aggressive materials are conveyed through pipeline systems. It features a heavy-duty steel outer shell combined with a seamless, hot-bonded polyurethane internal liner, offering a durable and corrosion-resistant solution for demanding environments.*

*The polyurethane lining provides outstanding abrasion resistance, significantly reducing wear and extending the operational life of the pipe compared to unlined or rubber-lined alternatives. These spools are commonly used in mining, mineral processing, dredging, and industrial fluid transport systems, where they handle both solids and slurry with minimal internal turbulence.*



### TECHNICAL SPECIFICATIONS

|                        |                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Hose size</b>       | DN50 – 1500                                                                                                         |
| <b>Length</b>          | Up to 12m                                                                                                           |
| <b>Pipe Types</b>      | SMLS, ERW, LSAW, DSAW, SSAW, HSAW                                                                                   |
| <b>End connections</b> | Plain<br>Swivel flange<br>Fixed flange<br>Grooved (roll or cut)<br>Threaded                                         |
| <b>Flange types</b>    | AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom |
| <b>Groove types</b>    | Victaulic AGS, AWWA C606, Custom                                                                                    |
| <b>Thread types</b>    | BSP, NPT, API, custom                                                                                               |
| <b>Optional extras</b> | Nozzles<br>Branches<br>Wear monitor system<br>I.D Tagging                                                           |

### MATERIAL SPECIFICATIONS

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| <b>Inner Liner</b>   | Hot cast abrasion resistant polyurethane                                                 |
| <b>Outer coating</b> | Uncoated<br>Zinc or zinc-aluminium primer<br>Epoxy based<br>Polyurethane based<br>Custom |
| <b>Pipe material</b> | Carbon steel (all grades)<br>Stainless steel (SS316, SS304)                              |

## Technical Properties

| STANDARD PIPE SIZE |     |       |      |            | INTERNAL LINING THICKNESS |           |           | INTERNAL ID AFTER LINING |           |           |
|--------------------|-----|-------|------|------------|---------------------------|-----------|-----------|--------------------------|-----------|-----------|
| DN                 | NPS | OD    | Wall | Unlined ID | Min Liner                 | Std Liner | Max Liner | Min Liner                | Std Liner | Max Liner |
|                    | in  | mm    | mm   | mm         | mm                        | mm        | mm        | mm                       | mm        | mm        |
| 50                 | 2   | 60.3  | 3.91 | 52.5       | 6                         | 6         | 6         | 41                       | 41        | 41        |
| 80                 | 3   | 88.9  | 5.49 | 77.9       | 6                         | 6         | 10        | 66                       | 66        | 66        |
| 100                | 4   | 114.3 | 6.02 | 102.3      | 6                         | 6         | 12        | 91                       | 91        | 91        |
| 125                | 5   | 141.3 | 6.55 | 128.2      | 6                         | 6         | 12        | 117                      | 117       | 117       |
| 150                | 6   | 168.3 | 7.11 | 154.1      | 6                         | 8         | 20        | 143                      | 139       | 143       |
| 200                | 8   | 219.1 | 8.18 | 202.7      | 6                         | 8         | 20        | 191                      | 187       | 191       |
| 250                | 10  | 273   | 9.27 | 254.5      | 6                         | 8         | 20        | 243                      | 239       | 243       |
| 300                | 12  | 323.8 | 9.53 | 304.7      | 6                         | 10        | 20        | 293                      | 285       | 293       |
| 350                | 14  | 355.6 | 9.53 | 336.5      | 6                         | 10        | 20        | 325                      | 317       | 325       |
| 400                | 16  | 406.4 | 9.53 | 387.3      | 8                         | 12        | 20        | 372                      | 364       | 376       |
| 450                | 18  | 457   | 9.53 | 437.9      | 8                         | 12        | 20        | 422                      | 414       | 426       |
| 500                | 20  | 508   | 9.53 | 488.9      | 8                         | 14        | 20        | 473                      | 461       | 477       |
| 550                | 22  | 559   | 9.53 | 539.9      | 8                         | 14        | 20        | 524                      | 512       | 528       |
| 600                | 24  | 610   | 9.53 | 590.9      | 8                         | 16        | 20        | 575                      | 559       | 579       |
| 650                | 26  | 660   | 9.53 | 640.9      | 10                        | 16        | 20        | 621                      | 609       | 629       |
| 700                | 28  | 711   | 9.53 | 691.9      | 10                        | 16        | 20        | 672                      | 660       | 680       |
| 750                | 30  | 762   | 9.53 | 742.9      | 10                        | 16        | 20        | 723                      | 711       | 731       |
| 800                | 32  | 813   | 9.53 | 793.9      | 10                        | 16        | 20        | 774                      | 762       | 782       |
| 850                | 34  | 864   | 9.53 | 844.9      | 10                        | 16        | 20        | 825                      | 813       | 833       |
| 900                | 36  | 914   | 9.53 | 894.9      | 12                        | 16        | 20        | 871                      | 863       | 883       |
| 950                | 38  | 965   | 9.53 | 945.9      | 12                        | 16        | 20        | 922                      | 914       | 934       |
| 1000               | 40  | 1016  | 9.53 | 996.9      | 16                        | 16        | 20        | 965                      | 914       | 985       |
| 1050               | 42  | 1067  | 9.53 | 1047.9     | 16                        | 16        | 20        | 1016                     | 914       | 1036      |
| 1100               | 44  | 1118  | 9.53 | 1098.9     | 16                        | 16        | 20        | 1067                     | 914       | 1087      |
| 1150               | 46  | 1168  | 9.53 | 1148.94    | 16                        | 16        | 20        | 1117                     | 914       | 1137      |
| 1200               | 48  | 1219  | 9.53 | 1199.94    | 16                        | 16        | 30        | 1168                     | 914       | 1188      |
| 1300               | 52  | 1321  | 9.53 | 1301.94    | 16                        | 16        | 30        | 1270                     | 914       | 1290      |
| 1400               | 56  | 1422  | 9.53 | 1403.34    | 16                        | 16        | 30        | 1372                     | 914       | 1392      |
| 1500               | 60  | 1524  | 9.53 | 1504.94    | 16                        | 16        | 30        | 1473                     | 914       | 1493      |

### Key notes

1. Spools can be fully customised to non-standard specifications