

PX10-SERIES PU LINED STRAIGHT PIPE SPOOL



PacfloTech® PX10 Series Polyurethane Lined Straight 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

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

MATERIAL SPECIFICATIONS

Inner Liner	Hot cast abrasion resistant polyurethane
Outer coating	Uncoated Zinc or zinc-aluminium primer Epoxy based Polyurethane based Custom
Pipe material	Carbon steel (all grades) 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	1148.9	16	16	20	1117	914	1137
1200	48	1219	9.53	1199.9	16	16	30	1168	914	1188
1300	52	1321	9.53	1301.9	16	16	30	1270	914	1290
1400	56	1422	9.53	1403.3	16	16	30	1372	914	1392
1500	60	1524	9.53	1504.9	16	16	30	1473	914	1493

Key notes

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