

PX30-SERIES PU LINED REDUCER PIPE SPOOL



PacfloTech® PX30 Series Polyurethane Lined Reducer 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 2.5m
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			FACE TO FACE LENGTH		
DN	NPS	OD	Wall	Unlined ID	Min Liner	Std Liner	Max Liner	Min Liner	Std Liner	Max Liner	Min	Std	Max
	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
50	2	60.3	3.91	52.5	6	6	6	41	41	41	100	200	500
80	3	88.9	5.49	77.9	6	6	10	66	66	66	113	213	500
100	4	114.3	6.02	102.3	6	6	12	91	91	91	126	226	1500
125	5	141.3	6.55	128.2	6	6	12	117	117	117	151	251	1500
150	6	168.3	7.11	154.1	6	8	20	143	139	143	164	264	1500
200	8	219.1	8.18	202.7	6	8	20	191	187	191	166	266	2000
250	10	273	9.27	254.5	6	8	20	243	239	243	210	310	2000
300	12	323.8	9.53	304.7	6	10	20	293	285	293	235	335	2000
350	14	355.6	9.53	336.5	6	10	20	325	317	325	362	462	2000
400	16	406.4	9.53	387.3	8	12	20	372	364	376	388	488	2500
450	18	457	9.53	437.9	8	12	20	422	414	426	413	513	2500
500	20	508	9.53	488.9	8	14	20	473	461	477	540	640	2500
550	22	559	9.53	539.9	8	14	20	524	512	528	540	690	2500
600	24	610	9.53	590.9	8	16	20	575	559	579	540	690	2500
650	26	660	9.53	640.9	10	16	20	621	609	629	644	794	2500
700	28	711	9.53	691.9	10	16	20	672	660	680	644	794	2500
750	30	762	9.53	742.9	10	16	20	723	711	731	644	794	2500
800	32	813	9.53	793.9	10	16	20	774	762	782	644	794	2500
850	34	864	9.53	844.9	10	16	20	825	813	833	644	794	2500
900	36	914	9.53	894.9	12	16	20	871	863	883	644	794	2500
950	38	965	9.53	945.9	12	16	20	922	914	934	644	794	2500
1000	40	1016	9.53	996.9	16	16	20	965	914	985	644	794	2500
1050	42	1067	9.53	1047.9	16	16	20	1016	914	1036	644	794	2500
1100	44	1118	9.53	1098.9	16	16	20	1067	914	1087	644	794	2500
1150	46	1168	9.53	1148.94	16	16	20	1117	914	1137	745	895	2500
1200	48	1219	9.53	1199.94	16	16	30	1168	914	1188	745	895	2500
1300	52	1321	9.53	1301.94	16	16	30	1270	914	1290	745	895	2500
1400	56	1422	9.53	1403.34	16	16	30	1372	914	1392	745	895	2500
1500	60	1524	9.53	1504.94	16	16	30	1473	914	1493	745	895	2500

Key notes

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