



Internal Pneumatic Line-Up Clamp

IPLCs work inside the pipe to align two pipe joints for external welding.

IPLCs are extremely robust and built to special high standards to withstand pipeline spread operations. IPLCs are adjustable for any wall thickness or size within the specified range — independently operated pneumatic heads allow the line-up of pipes with different wall thicknesses. When correctly used IPLCs will not damage or “bell end” the pipe.

A “self-propelled” IPLC travels through the pipe to the next joint under its own power. A “non-self-propelled” IPLC is pulled to the next joint (manually). IPLCs require compressed air at 180-200 psi (12.4-13.8 bar). Maximum safe working pressure is 210 psi (14.5 bar).

Adequate line-up at the next joint is assured by a reserve air tank. Self-propelled models feature non-marring wheels and are capable of grades up to 20°. Options include de-icers, drag brakes, and wheels to suit internal coatings.

- Self-propelled units for pipe sizes 10” to 60” (254mm to 1524mm)
- Non-powered units for pipe sizes 6” to 18” (152mm to 457mm)

Features & Benefits

- Steel travel wheels on IPLC 10-18
- Roller-type actuating heads (roller brackets)
- Urethane wheels on IPLC 20-60
- Air mist lubrication
- 15-degree grade capability
- Center lifting eye
- Centering latch
- Reach (control) rod
- Drag brake, IPLC 20 and up

Available at Time of Manufacture

- Self-propelled feature, IPLC 10, 12-14 and 16-18
- Certified air tank
- Stainless steel pipe compatibility
- Drag Brake IPLC 20-22
- Heavy-duty drive (side drive)

Available for Plant or Field Installation

- Wheels to suit internal coating
- Vertical operation facility (crane suspended)
- Extra-length reach (control) rods
- Conversion kits for pipe sizes and wall thicknesses within the IPLC range

Compressors

► Use CRC-Evans Compressor model #HT340 for all self-propelled clamps up to 30” (762mm) pipe.

► Use CRC-Evans Compressor model #HT390 for all self-propelled clamps over 32” (813mm) pipe.

Specifications

Model No.	Nominal Pipe Size		Length		Width		Height		Weight		Cube		Notes
	inches	mm	inches	mm	inches	mm	inches	mm	lb	kg	ft ³	m ³	
IPLC 6	6	168	47	1,041	5.51	140	5.50	140	80	36	0.80	0.03	Non-powered
IPLC 8	8	219	62	1,194	7.50	190	9	229	120	55	2.40	0.07	Non-powered
IPLC 10*	10	273	62	1,575	10	254	11.50	292	300	136	4.10	0.12	
IPLC 12-14*	12-14	324-356	90	2,286	12	305	13.50	343	355	161	8.40	0.24	
IPLC 16-18*	16-18	406-457	115	2,921	16	406	17.50	445	552	250	18.60	0.53	
IPLC 20-22	20-22	508-559	115	2,921	18.50	470	20	508	625	284	24.60	0.70	
IPLC 24-26	24-26	610-660	110	2,794	24	610	25.50	648	1,050	476	39	1.10	side drive
IPLC 28-32	28-32	711-813	121	3,073	28	711	29.50	749	1,600	726	57.80	1.64	side drive
IPLC 34-36	34-36	864-914	128	3,251	34	864	35.50	902	1,850	839	73.30	2.08	side drive
IPLC 36-38	36-38	914-965	128	3,251	36	914	37.50	953	1,750	794	82	2.32	side drive
IPLC 40-42	40-42	1,016-1,067	139	3,531	40	1,016	41.50	1,054	3,200	1,452	134	3.79	side drive
IPLC 46-48	46-48	1,168-1,219	144	3,658	45	1,143	46.50	1,181	3,140	1,424	175	4.96	side drive
IPLC 52-54	52-54	1,321-1,372	180	4,572	52	1,321	53.50	1,359	4,950	2,245	290	8.21	
IPLC 54-56	54-56	1,372-1,422	185	4,699	54	1,372	55.50	1,410	5,900	2,676	321	9.09	side drive
IPLC 60	60	1,524	190	4,826	58	1,473	60	1,524	6,000	2,722	383	10.85	

* Denotes that the self-propelled feature is an extra cost.



! Disclaimer

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Dimensions and weights provided for reference only. Dimensions, specifications and weights can vary depending upon final configuration of the equipment. Please contact CRC-Evans to confirm final weights and dimensions prior to shipment.



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