



Key features:

Manual units from 6 – 18"

Automatic units from 10 – 60"

No damage caused

No bell ending of pipe caused

Application:

Perform within the pipe to coordinate two joints to be welded externally.

Compressor Model Required:

Units up to 30" :

CRC Evans #HT340

Units greater than 32":

CRC Evans #HT390

Internal Pneumatic Line-Up Clamp

Available in manual and automatic to coordinate pipes from 6-60"

Internal Pneumatic Line-up Clamps (IPLCs) are constructed to withstand the specially high standards that are required with pipeline spread operations. There is a vast range of IPLCs to suit any wall thickness and size. Independently operated pneumatic heads allow the line-up of pipes with different wall thicknesses. When correctly used IPLCs will not damage or cause a "bell end" to the pipe.

A self-propelled IPLC travels through the pipe to the next joint by its own power, using a reserve air tank. The self-propelled units are available for pipe sizes 10 – 60". Units supporting pipe sizes 20" and larger feature urethane wheels and drag brakes. IPLCs require compressed air at 180-200 psi (12.4 – 13.8 bar) – with the maximum safe working pressure being 210 psi (14.5 bar).

The non-self-propelled (or manual) IPLC is physically pulled to the next joint by the operator, assisted by non-marring wheels which are capable of grades up to 20°. The non-self-propelled units are only available in pipe sizes 6 – 18". Units from 10-18" feature steel travel wheels and can be provided with extra-length reach control rods if necessary.

All units support stainless steel pipe and can be supplied with wheels that are internal coating friendly. Upon request we also provide a vertical operation facility - which is crane suspended - and pipe size & wall thickness conversion kits.

Internal Pneumatic Line-Up Clamp

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	

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