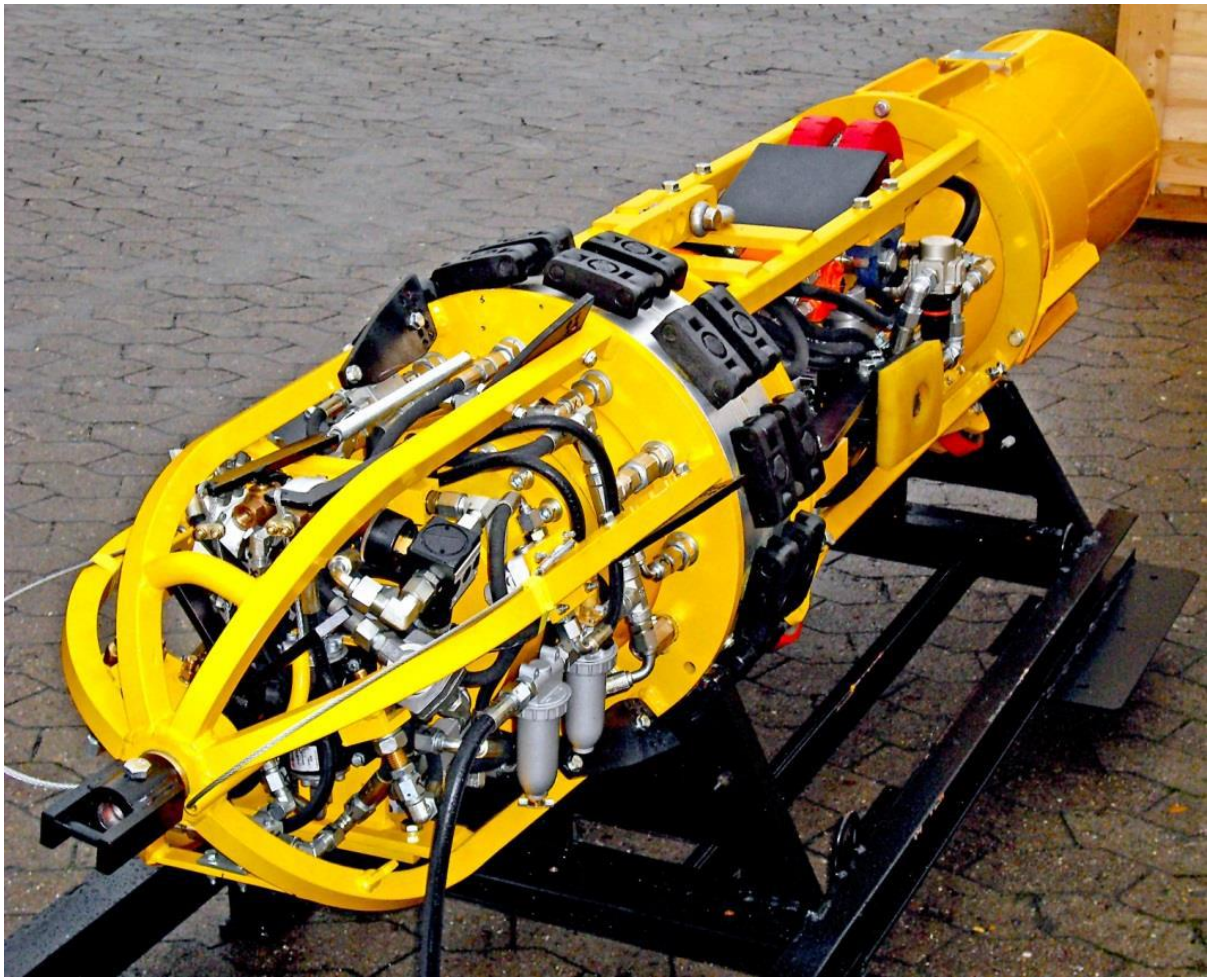
YOUR GLOBAL PARTNER FOR PIPELINE EQUIPMENT









IPLC

INTERNAL PNEUMATIC LINE-UP CLAMP

It is better for external welding
if the centring device is located on the inside of the pipe
and if no disruptive parts are able to impede the welding process.

For many years, VIETZ has been relying on internal pneumatic line-up clamps (IPLCs) with an integrated compressed air tank that is filled, for example, via the compressor on an Arcotrac-type tracked welding vehicle. The tank thereby serves to store energy. Unlike with hydraulic or electrical systems, it is not necessary to create a permanent connection to supply lines for this design during operation.

All functions of the IPLCs take place pneumatically. This applies to the brake and drive, as well as to the centring device itself, which is designed as a double ring of pneumatically extendable plungers.



During operation, the IPLC is positioned in such a way that one of the rings is still situated in the currently last pipe in the line. This ring's plungers are extended, which forces the machine to the central axis of the pipe. Now the new pipe is threaded over the IPLC. Through extending the second plunger ring, this pipe is also fixed in such a way that both pipes have the same central axis.

This minimises edge offset as much as possible. After the welding has been carried out, both rings are declamped and the IPLC is moved to the end of the pipe just connected, in order to connect the next pipe using the same procedure.

For applications where no compressed air is available or where there is no need to manufacture large quantities, we also offer hydraulic internal line-up clamps with a foot or electric pump.

TECHNICAL SPECIFICATION
INTERNAL LINE-UP CLAMP(ILC), Pneumatic

	Unit	Type						
		6"	**8"**	**10"**	**12-14"**	**16-18"**	**20-22"**	**24-26"**
GENERAL								
Pipe size	in	6	8	10	12-14	16-18	20-22	24-26
max. radius of the pipe		R = 40 x D (according API 5L)						
Capacity of the air tank	l	0,7	2,1	5	10	48	70	100
Displacement	pcs	6 / 12	6 / 12	6 / 12	6 / 12	8 / 16	10 / 20	12 / 24
Quantity of motors	kg	465	857	1435	2146	2060	2027	2502
MEASUREMENTS AND WEIGHT								
Lenght	mm	1324	1447	1700	1975	2770	2780	2720
Width	mm	160	180	245	350	413	504	603
Height	mm	160	180	240	335	443	505	603
Weight	kg	25	60	75	115	225	365	523
MEASUREMENTS AND WEIGHT OF CONTROL								
wheel	m	14	14	17	17	17	17	17
Length*	kg	19	19	22	22	22	40	40
Weight								
ENGINE								
Pneumatic motor		-				MAR.1/500		
Power	kW/hp	-				0,8/1,1		
Quantity of motors	pcs	-				1		
Article no.		**40179A**	**40180**	**40181**	**40182**	**40183**	**40184**	**40185**

*other length on request | Mistakes and changes are reserved

TECHNICAL SPECIFICATION
INTERNAL LINE-UP CLAMP(ILC), Pneumatic

Unit	Type									
	26-28"	**28-30"**	**30-32"**	**34-36"**	**36-38"**	**40-42"**	**46-48"**	**50-52"**	**56"**	**64"**
in	26-28	28-30	30-32	34-36	36-38	40-42	46-48	50-52	56	64
	R = 40 x D (according API 5L)									
l	150	200	200	300	350	500	550	550	550	750
pcs	12 / 24	12 / 24	16 / 32	16 / 32	24 / 48	20 / 40	24 / 48	24 / 48	24 / 48	24 / 48
kg	4180	3182	4598	4598	4170	4170	4170	4170	4170	4170
mm	3080	3335	3335	3345	3490	3390	3490	3535	3490	4320
mm	692	636	739	844	908	988	1082	1230	1310	1504
mm	692	633	739	844	908	988	1082	1200	1310	1504
kg	590	610	716	835	1120	1550	1706	1816	2215	3300
m	17	17	17	17	17	17	17	17	17	17
kg	40	40	40	40	40	40	40	40	40	40
	MAR.1/500	MAR.3/330								
kW/hp	0,8/1,1	2/2,7								
pcs	1	1					2			4
	40186	**40186A**	**40187B**	**40188**	**40188B**	**40189**	**40191B**	**40192**	**40193**	**40197**

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VIETZ GMBH

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