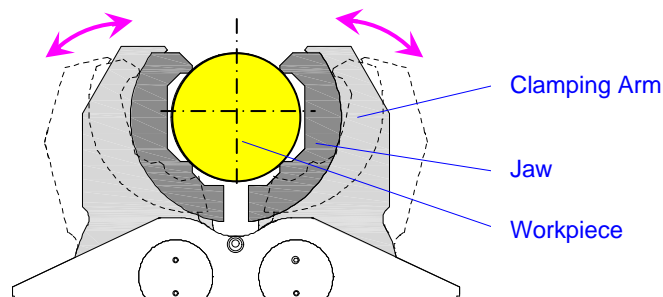




# ARLA® Clamping System

*... the Self-Centering Workholding Unit  
for Shafts, Bars, Pipes & Tubes*

**XR-Models: 25 – 50 – 100 – 150 – 200 – 300 – 400**



- **concentric clamping with high accuracy**  
(repeatability < 0.01 mm)
- **high clamping forces for a safe clamp to support high axial forces and torques** (depending on the models: 7 ... 175 kN)
- **very short clamping time** (0.1 ... 0.5 sec)
- **changeable jaw sets to consider different workpiece diameters**
- **mechanical clamping technology; very stiff design**
- **actuation depending on the models:**  
**manual, pneumatic, hydraulic**
- **easy integration in manufacturing lines**  
(options: "flange" setup, swivel stops for accurate workpiece positions)

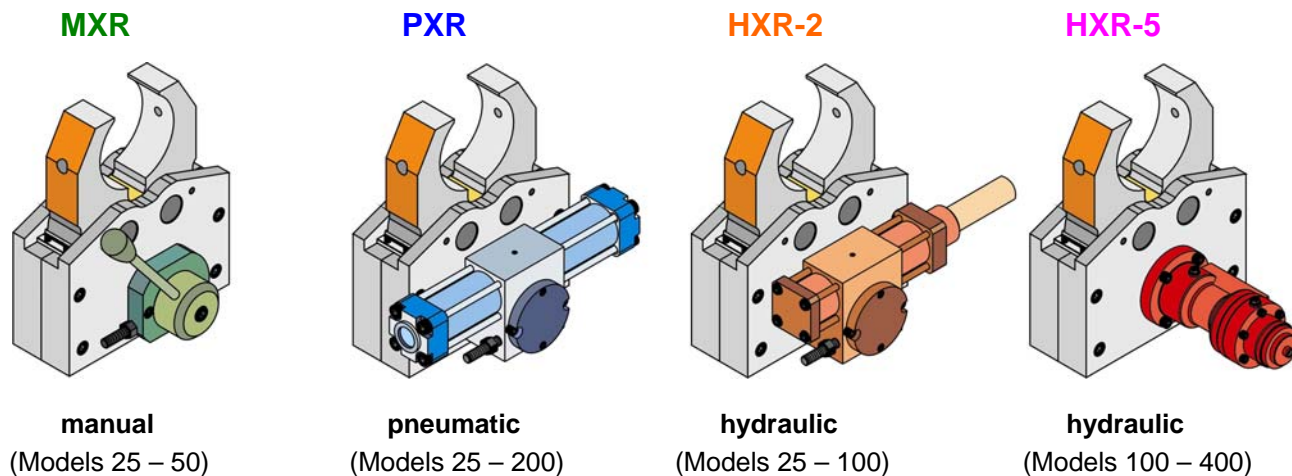
Overview concerning all XR-models (referring to the maximum diameter)

XR Models	Maximum Workpiece Diameter (OD)														
	22	35	61	92	115	142	170	220	275	325	360	410			
	mm	inch	Steel Pipe (Nominal Size)	0,86	1,37	2,40	3,62	4,52	5,60	6,70	8,66	10,82	12,80	14,17	16,14
25	M,P,H	M,P,H													
50		M,P,H	M,P,H												
100			P,H	P,H	P,H										
150					P,H	P,H	P,H								
200							P,H	P,H							
300									H	H	H				
400												H	H		

Actuation: M = manual, P = pneumatic, H = hydraulic

Notice: Also smaller workpiece diameters can be concentrically clamped by ARLA's workholding systems. According to the models and the jaw sets the minimum diameter starts at d = 5 mm (0.2").

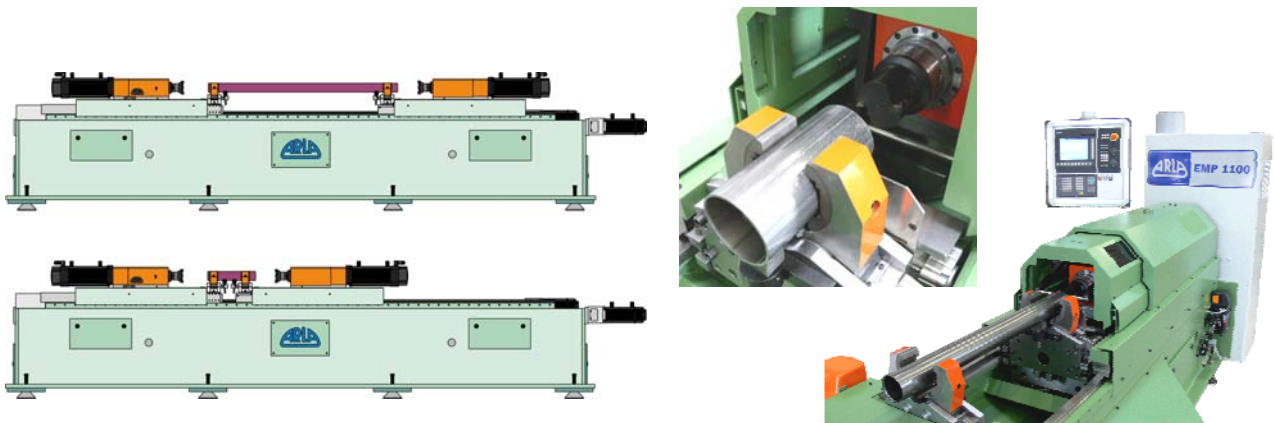
Overview concerning all actuator configurations



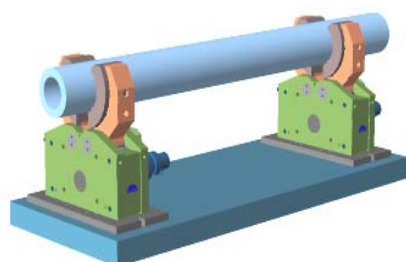
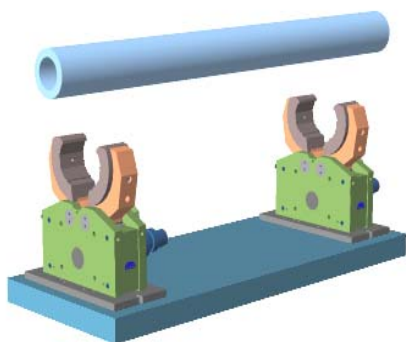
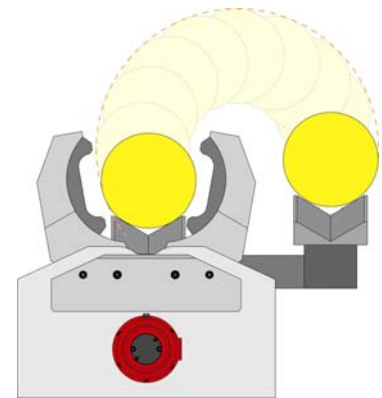
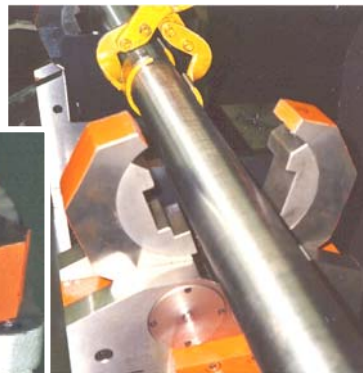
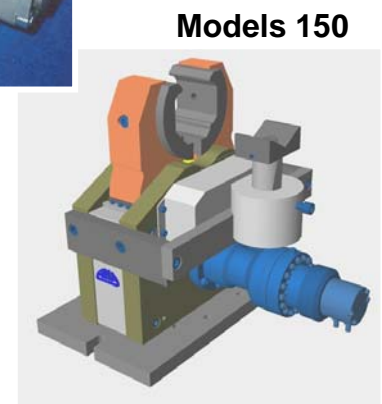
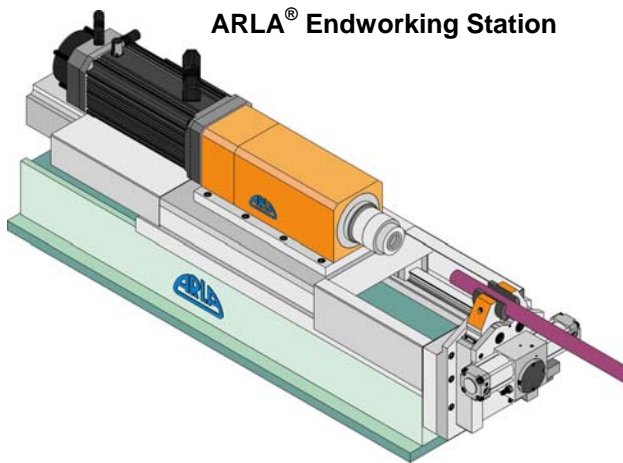
Detailed overview of all available XR models

XR Models	Actuation								Workpiece Diameter OD (max)		Steel Pipe Nominal Size
	MXR (manual)		PXR (pneumatic)			HXR (hydraulic)			[mm]	[inch]	
	Models	F <sub>max</sub> [kN]	Models	F <sub>max</sub> [kN]	p <sub>max</sub> [bar]	Models	F <sub>max</sub> [kN]	p <sub>max</sub> [bar]			
25	025-020-2	8	025-020-2	10	8	025-020-2	25	60	22	0,86	1/2"
	025-035-2	7	025-035-2	8	8	025-035-2	20	60	35	1,37	1"
50	050-035-2	20	050-035-3	28	8	050-035-2	40	80	35	1,37	1"
	050-060-2	15	050-060-3	25	8	050-060-2	30	80	61	2,40	2"
100	N/A		100-060-3	30	8	100-060-2	50	100	61	2,40	2"
			100-060-5	55	160	100-090-2	40	100			
			100-090-3	25	8	100-090-5	45	160	92	3,62	3"
			100-115-3	22	8	100-115-2	35	100			
			100-115-5	40	160	115	4,52	4"			
150	N/A		150-115-5	70	8	150-115-5	80	160	115	4,52	4"
			150-140-5	60	8	150-140-5	70	160	142	5,60	5"
			150-170-5	55	8	150-170-5	65	160	170	6,70	6"
200	N/A		200-170-6	65	8	200-170-5	90	160	170	6,70	6"
			200-220-6	55	8	200-220-5	75	160	220	8,66	8"
300	N/A	N/A				300-220-5	150	160	220	8,66	8"
						300-275-5	130	160	275	10,82	10"
						300-325-5	115	160	325	12,80	12"
400	N/A	N/A				400-350-5	175	160	360	14,17	14"
						400-400-5	150	160	410	16,14	16"

Ask for our catalogs with all data sheets! Furthermore ARLA offers own solutions (like machining units or complete machines) particularly for the **endworking, end preparation, and finishing** of shafts, pipes, tubes (like: turning, boring, chamfering, deburring, threading, tapping, etc.).



## Examples & Applications



2008



2007