

Paper Roll Clamps

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Intelligent Paper Roll Clamps

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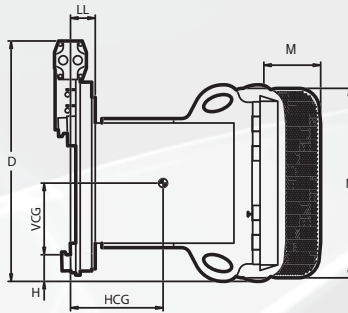
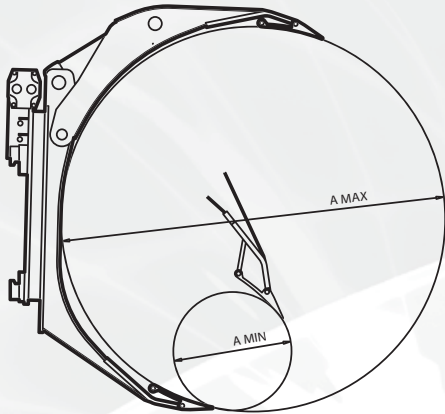
Paper Roll Clamps



Paper Roll Clamps

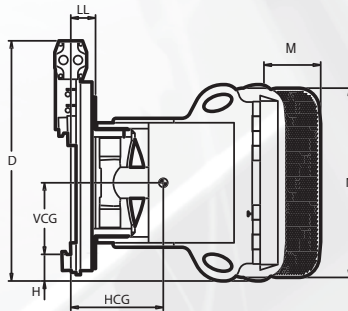
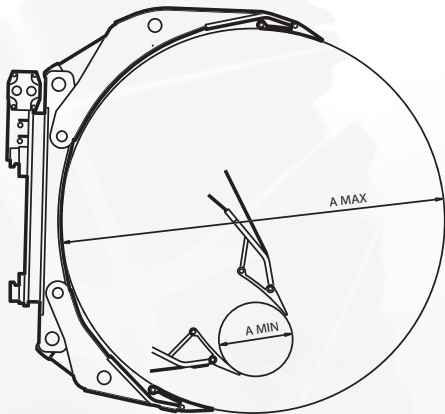
Models AM-RF / AM-RH

AM-RF



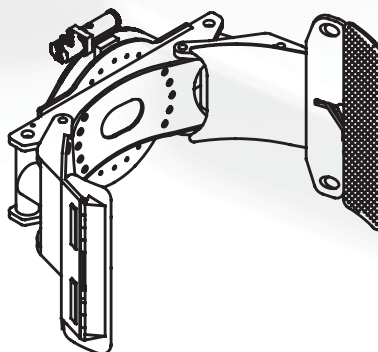
- 360-degree rotating paper roll clamp for vertical and horizontal handling of single rolls.
- Pivoting long arm movement.
- Models AM-RF: Fixed short arm.
- Models AM-RH: Hydraulically positionable short arm with wider roll diameter range.
- Several contact pad options in standard series.
- Mounting angle 1,5°.

AM-RH



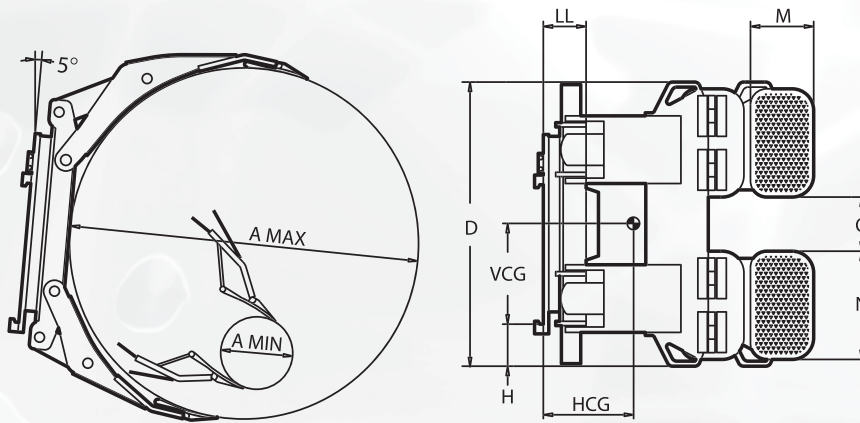
Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i>	<i>BP</i>	<i>A</i>	<i>D</i>	<i>W</i>	<i>HCG</i>	<i>VCG</i>	<i>LL</i>	<i>M x N</i>	<i>O</i>	<i>H</i>	<i>ISO</i>
	kg	mm	mm	mm	kg	mm	mm	mm	mm	mm	mm	2328
Fixed short arm												
AM-13RF-11	1400	575	300-1150	832	345	230	260	136	200x680	-	110	2A
AM-13RF-13	1300	650	400-1300	832	360	245	260	136	200x680	-	110	2A
AM-18RF-13	1800	650	400-1300	832	420	250	260	151	200x680	-	110	2A
Mobile short arm												
AM-13RH-13	1300	650	250-1300	832	400	245	260	136	200x680	-	110	2A
AM-18RH-13	1800	650	250-1300	832	470	250	260	151	200x680	-	110	2A

Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request (**Note:** Models AM-RH only). Standard contact pads: Cast pad with high-friction surface. Contact pad options: Steel-sprayed, rubber faced or polyurethane faced.



Paper Roll Clamps

Models RA-180



- Rotating paper roll clamp for vertical and horizontal handling of 1-2 rolls.
- Pivoting arm movement. Short and long arms. Split long arm. Several contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>A</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>M x N</i> mm	<i>O</i> mm	<i>H</i> mm	<i>ISO 2328</i>
Single roll clamps - Unsplit long arm												
RA-180-N	1800	650	250-1300	830	570	250	365	180	210x300	200	55	2A/3A
RA-180-NS	1800	550	250-1100	830	555	230	365	180	210x300	200	55	2A/3A
1-2 roll clamps - Split long arm												
RA-150-NLJ	1500	850	250-1700	830	610	295	365	180	210x300	200	55	2A/3A
RA-180-NJ	1800	650	250-1300	830	560	240	365	180	210x300	200	55	2A/3A
RA-180-NSJ	1800	550	250-1100	830	545	220	365	180	210x300	200	55	2A/3A

Note:

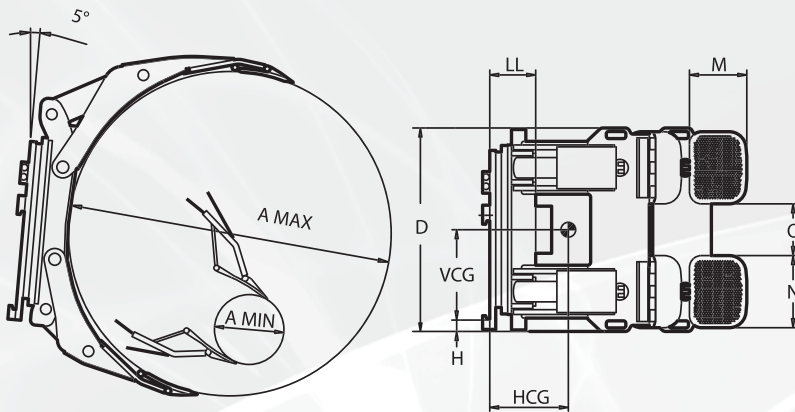
Two hydraulic functions. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

Standard contact pads: cast pad with a high-friction surface. Contact pad options: steel-sprayed surface, rubber-faced, polyurethane-faced or flexible. Full-length contact pads available.

For bilge handling, 5-degree forward tilt on upright is required.
For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.

Paper Roll Clamps

Models AR-22



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
Single roll clamps - Unsplit long arm												
AR-22RH-12F	2350	600	600-1200	830	600	228	360	180	220x300	200	60	2A/3A
AR-22RH-12	2350	600	250-1200	830	605	228	360	180	220x300	200	60	2A/3A
AR-22RH-13F	2200	650	600-1300	830	610	247	360	180	220x300	200	60	2A/3A
AR-22RH-13	2200	650	250-1300	830	615	247	360	180	220x300	200	60	2A/3A
AR-22RH-14F	2000	700	600-1400	830	620	266	360	180	220x300	200	60	2A/3A
AR-22RH-14	2000	700	250-1400	830	625	266	360	180	220x300	200	60	2A/3A
AR-22RH-15F	1900	760	700-1520	830	630	287	360	180	220x300	200	60	2A/3A
AR-22RH-15	1900	760	250-1520	830	635	287	360	180	220x300	200	60	2A/3A
AR-22RH-16F	1750	800	700-1600	830	640	308	360	180	220x300	200	60	2A/3A
AR-22RH-16	1750	800	250-1600	830	645	308	360	180	220x300	200	60	2A/3A
1 - 2 roll clamps - Split long arm												
AR-22RJ-12F	2350	600	600-1200	830	590	209	360	180	220x300	200	60	2A/3A
AR-22RJ-12	2350	600	250-1200	830	595	209	360	180	220x300	200	60	2A/3A
AR-22RJ-13F	2200	650	600-1300	830	600	227	360	180	220x300	200	60	2A/3A
AR-22RJ-13	2200	650	250-1300	830	605	227	360	180	220x300	200	60	2A/3A
AR-22RJ-14F	2000	700	600-1400	830	610	247	360	180	220x300	200	60	2A/3A
AR-22RJ-14	2000	700	250-1400	830	615	247	360	180	220x300	200	60	2A/3A
AR-22RJ-15F	1900	760	700-1520	830	620	267	360	180	220x300	200	60	2A/3A
AR-22RJ-15	1900	760	250-1520	830	625	267	360	180	220x300	200	60	2A/3A
AR-22RJ-16F	1750	800	700-1600	830	630	288	360	180	220x300	200	60	2A/3A
AR-22RJ-16	1750	800	250-1600	830	635	288	360	180	220x300	200	60	2A/3A

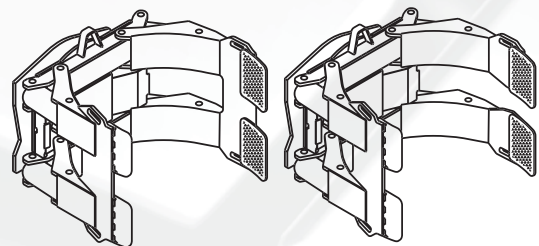
Note:

Models AR-22RHF/RJF with fixed (non-moving) short arm
Models AR-22RH/RJ with hydraulically positionable short arm

Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.

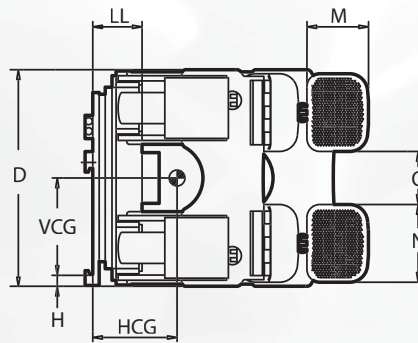
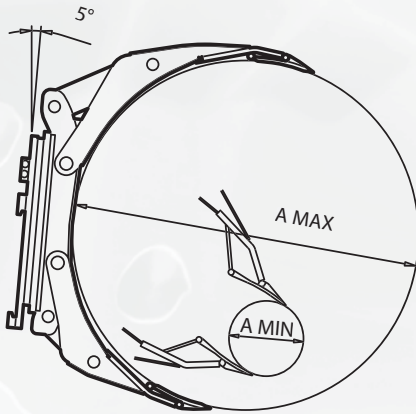


Unsplit long arm

Split long arm

Paper Roll Clamps

Models AR-25



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm	A mm	D mm	W kg	HCG mm	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328
Single roll clamps - Unsplit long arm												
AR-25RH-13F	2500	650	550-1300	830	720	232	360	190	220x300	200	60	2A/3A
AR-25RH-13	2500	650	250-1300	830	725	232	360	190	220x300	200	60	2A/3A
AR-25RH-14F	2200	700	600-1400	830	740	257	360	190	220x300	200	60	2A/3A
AR-25RH-14	2200	700	250-1400	830	745	257	360	190	220x300	200	60	2A/3A
AR-25RH-15F	2100	760	650-1520	830	760	287	360	190	220x300	200	60	2A/3A
AR-25RH-15	2100	760	260-1520	830	765	287	360	190	220x300	200	60	2A/3A
AR-25RH-16F	2000	800	700-1600	830	770	300	360	190	220x300	200	60	2A/3A
AR-25RH-16	2000	800	270-1600	830	775	300	360	190	220x300	200	60	2A/3A
AR-25RH-18F	1700	915	800-1830	830	820	358	360	200	220x300	200	60	2A/3A
AR-25RH-18	1700	915	400-1830	830	825	358	360	200	220x300	200	60	2A/3A
1 - 2 roll clamps - Split long arm												
AR-25RJ-13F	2500	650	550-1300	830	710	226	360	190	220x300	200	60	2A/3A
AR-25RJ-13	2500	650	250-1300	830	715	226	360	190	220x300	200	60	2A/3A
AR-25RJ-14F	2200	700	600-1400	830	730	250	360	190	220x300	200	60	2A/3A
AR-25RJ-14	2200	700	250-1400	830	735	250	360	190	220x300	200	60	2A/3A
AR-25RJ-15F	2100	760	650-1520	830	755	279	360	190	220x300	200	60	2A/3A
AR-25RJ-15	2100	760	260-1520	830	760	279	360	190	220x300	200	60	2A/3A
AR-25RJ-16F	2000	800	700-1600	830	760	292	360	190	220x300	200	60	2A/3A
AR-25RJ-16	2000	800	270-1600	830	765	292	360	190	220x300	200	60	2A/3A
AR-25RJ-18F	1700	915	800-1830	830	810	350	360	200	220x300	200	60	2A/3A
AR-25RJ-18	1700	915	400-1830	830	815	350	360	200	220x300	200	60	2A/3A

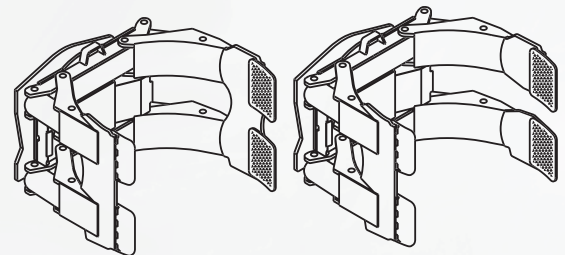
Note:

Models AR-25RHF/RJF with fixed (non-moving) short arm
 Models AR-25RH/RJ with hydraulically positionable short arm

Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo. Optional arm height, D = 1035 mm. Consult Bolzoni Auramo.

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.

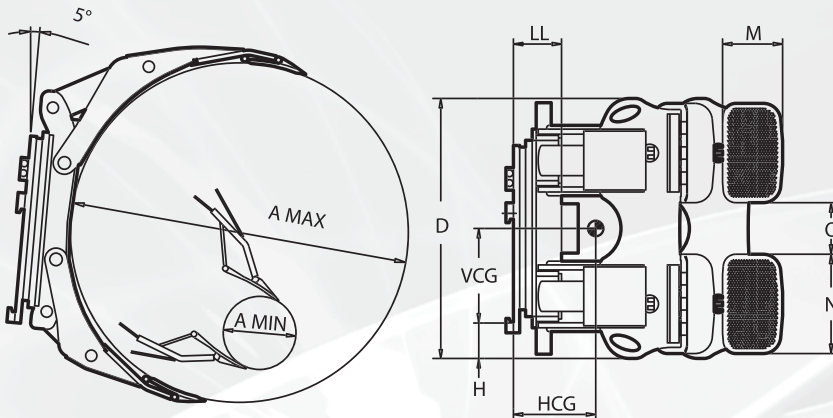


Unsplit long arm

Split long arm

Paper Roll Clamps

Models AR-30



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	ISO
	kg	mm	mm	mm	kg	mm	mm	mm	mm	mm	mm	2328

Single roll clamps - Unsplit long arm

AR-30RH-13F	3000	650	550-1300	1035	755	253	360	190	240x400	200	160	2A/3A
AR-30RH-13	3000	650	250-1300	1035	760	253	360	190	240x400	200	160	2A/3A
AR-30RH-14F	2850	700	600-1400	1035	775	274	360	190	240x400	200	160	2A/3A
AR-30RH-14	2850	700	250-1400	1035	780	274	360	190	240x400	200	160	2A/3A
AR-30RH-15F	2700	760	650-1520	1035	800	296	360	190	240x400	200	160	2A/3A
AR-30RH-15	2700	760	260-1520	1035	805	296	360	190	240x400	200	160	2A/3A
AR-30RH-16F	2500	800	700-1600	1035	810	305	360	190	240x400	200	160	2A/3A
AR-30RH-16	2500	800	270-1600	1035	815	305	360	190	240x400	200	160	2A/3A
AR-30RH-18F	2150	915	800-1830	1035	855	350	360	200	240x400	200	160	2A/3A
AR-30RH-18	2150	915	400-1830	1035	860	350	360	200	240x400	200	160	2A/3A

1 - 2 roll clamps - Split long arm

AR-30RJ-13F	3000	650	550-1300	1035	745	251	360	190	240x400	200	160	2A/3A
AR-30RJ-13	3000	650	250-1300	1035	750	251	360	190	240x400	200	160	2A/3A
AR-30RJ-14F	2850	700	600-1400	1035	770	265	360	190	240x400	200	160	2A/3A
AR-30RJ-14	2850	700	250-1400	1035	775	265	360	190	240x400	200	160	2A/3A
AR-30RJ-15F	2700	760	650-1520	1035	790	279	360	190	240x400	200	160	2A/3A
AR-30RJ-15	2700	760	260-1520	1035	795	279	360	190	240x400	200	160	2A/3A
AR-30RJ-16F	2500	800	700-1600	1035	800	287	360	190	240x400	200	160	2A/3A
AR-30RJ-16	2500	800	270-1600	1035	805	287	360	190	240x400	200	160	2A/3A
AR-30RJ-18F	2150	915	800-1830	1035	845	322	360	200	240x400	200	160	2A/3A
AR-30RJ-18	2150	915	400-1830	1035	850	322	360	200	240x400	200	160	2A/3A

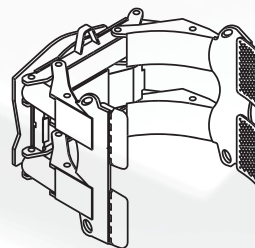
Note:

Models AR-30RHF/RJF with fixed (non-moving) short arm
Models AR-30RH/RJ with hydraulically positionable short arm

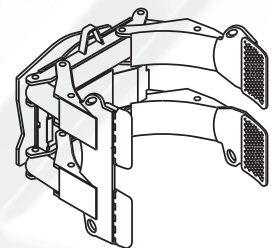
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo
Optional arm height, D = 830 mm. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



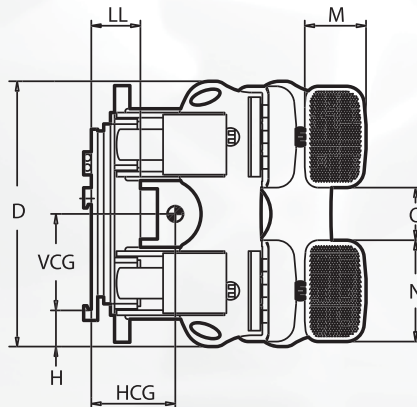
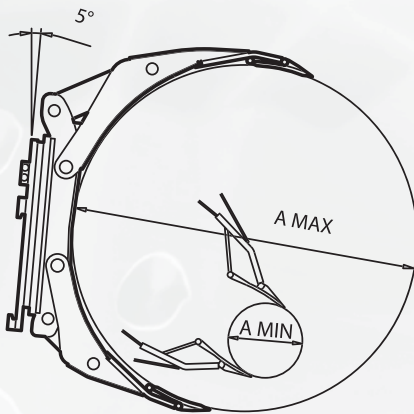
Unsplit long arm



Split long arm

Paper Roll Clamps

Models AR-33



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
Single roll clamps - Unsplit long arm												
AR-33RH-13F	3500	650	550-1300	1035	780	245	360	190	240x400	200	160	2A/3A
AR-33RH-13	3500	650	250-1300	1035	785	245	360	190	240x400	200	160	2A/3A
AR-33RH-14F	3250	700	600-1400	1035	800	269	360	190	240x400	200	160	2A/3A
AR-33RH-14	3250	700	250-1400	1035	805	269	360	190	240x400	200	160	2A/3A
AR-33RH-15F	3000	760	650-1520	1035	825	299	360	190	240x400	200	160	2A/3A
AR-33RH-15	3000	760	260-1520	1035	830	299	360	190	240x400	200	160	2A/3A
AR-33RH-16F	2800	800	700-1600	1035	835	312	360	190	240x400	200	160	2A/3A
AR-33RH-16	2800	800	270-1600	1035	840	312	360	190	240x400	200	160	2A/3A
AR-33RH-18F	2500	915	800-1830	1035	880	368	360	200	240x400	200	160	2A/3A
AR-33RH-18	2500	915	400-1830	1035	885	368	360	200	240x400	200	160	2A/3A
1 - 2 roll clamps - Split long arm												
AR-33RJ-13F	3500	650	550-1300	1035	770	239	360	190	240x400	200	160	2A/3A
AR-33RJ-13	3500	650	250-1300	1035	775	239	360	190	240x400	200	160	2A/3A
AR-33RJ-14F	3250	700	600-1400	1035	795	262	360	190	240x400	200	160	2A/3A
AR-33RJ-14	3250	700	250-1400	1035	800	262	360	190	240x400	200	160	2A/3A
AR-33RJ-15F	3000	760	650-1520	1035	815	292	360	190	240x400	200	160	2A/3A
AR-33RJ-15	3000	760	260-1520	1035	820	292	360	190	240x400	200	160	2A/3A
AR-33RJ-16F	2800	800	700-1600	1035	825	305	360	190	240x400	200	160	2A/3A
AR-33RJ-16	2800	800	270-1600	1035	830	305	360	190	240x400	200	160	2A/3A
AR-33RJ-18F	2500	915	800-1830	1035	870	361	360	200	240x400	200	160	2A/3A
AR-33RJ-18	2500	915	400-1830	1035	875	361	360	200	240x400	200	160	2A/3A

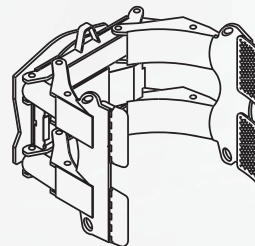
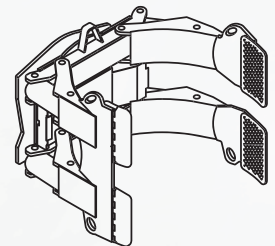
Note:

Models AR-33RHF/RJF with fixed (non-moving) short arm
 Models AR-33RH/RJ with hydraulically positionable short arm

Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo. Optional arm height, D = 830 mm. Consult Bolzoni Auramo

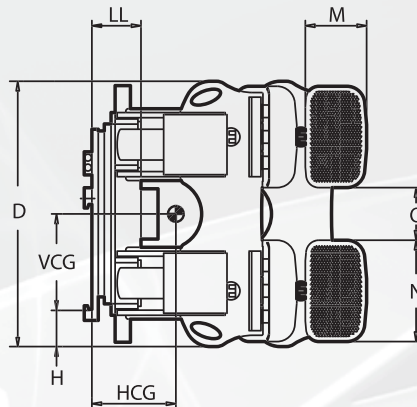
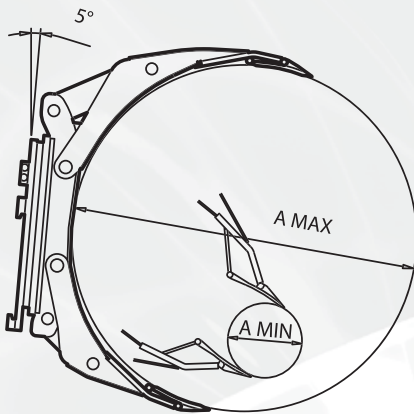
Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.


Unsplit long arm

Split long arm

Paper Roll Clamps

Models AR-37



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	ISO
	kg	mm	mm	mm	kg	mm	mm	mm	mm	mm	mm	2328

Single roll clamps - Unsplit long arm

AR-37RH-13F	4000	650	450-1300	1135	935	251	435	190	280x400	300	130	3A/4A
AR-37RH-13	4000	650	250-1300	1135	940	251	435	190	280x400	300	130	3A/4A
AR-37RH-14F	3900	700	450-1400	1135	945	271	435	190	280x400	300	130	3A/4A
AR-37RH-14	3900	700	250-1400	1135	950	271	435	190	280x400	300	130	3A/4A
AR-37RH-15F	3800	760	500-1520	1135	955	296	435	190	280x400	300	130	3A/4A
AR-37RH-15	3800	760	250-1520	1135	960	296	435	190	280x400	300	130	3A/4A
AR-37RH-16F	3700	800	500-1600	1135	965	310	435	190	280x400	300	130	3A/4A
AR-37RH-16	3700	800	250-1600	1135	970	310	435	190	280x400	300	130	3A/4A
AR-37RH-18F	3300	915	650-1830	1135	1030	366	435	190	280x400	300	130	3A/4A
AR-37RH-18	3300	915	350-1830	1135	1035	366	435	190	280x400	300	130	3A/4A
AR-37RH-19	2900	950	400-1900	1135	1070	385	435	190	280x400	300	130	3A/4A
AR-37RH-20	2800	1000	400-2000	1135	1100	405	435	190	280x400	300	130	3A/4A

1 - 2 roll clamps - Split long arm

AR-37RJ-13F	4000	650	450-1300	1135	920	247	435	190	280x400	300	130	3A/4A
AR-37RJ-13	4000	650	250-1300	1135	925	247	435	190	280x400	300	130	3A/4A
AR-37RJ-14F	3900	700	450-1400	1135	930	267	435	190	280x400	300	130	3A/4A
AR-37RJ-14	3900	700	250-1400	1135	935	267	435	190	280x400	300	130	3A/4A
AR-37RJ-15F	3800	760	500-1520	1135	940	291	435	190	280x400	300	130	3A/4A
AR-37RJ-15	3800	760	250-1520	1135	945	291	435	190	280x400	300	130	3A/4A
AR-37RJ-16F	3700	800	500-1600	1135	950	305	435	190	280x400	300	130	3A/4A
AR-37RJ-16	3700	800	250-1600	1135	955	305	435	190	280x400	300	130	3A/4A
AR-37RJ-18F	3300	915	650-1830	1135	1010	361	435	190	280x400	300	130	3A/4A
AR-37RJ-18	3300	915	350-1830	1135	1015	361	435	190	280x400	300	130	3A/4A
AR-37RJ-19	2900	950	400-1900	1135	1050	380	435	190	280x400	300	130	3A/4A
AR-37RJ-20	2800	1000	400-2000	1135	1080	400	435	190	280x400	300	130	3A/4A

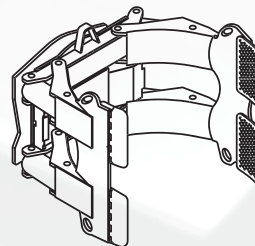
Note:

Models AR-37RHF/RJF with fixed (non-moving) short arm
Models AR-37RH/RJ with hydraulically positionable short arm

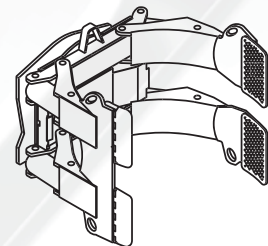
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo
Optional arm height, D = 1235 mm. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



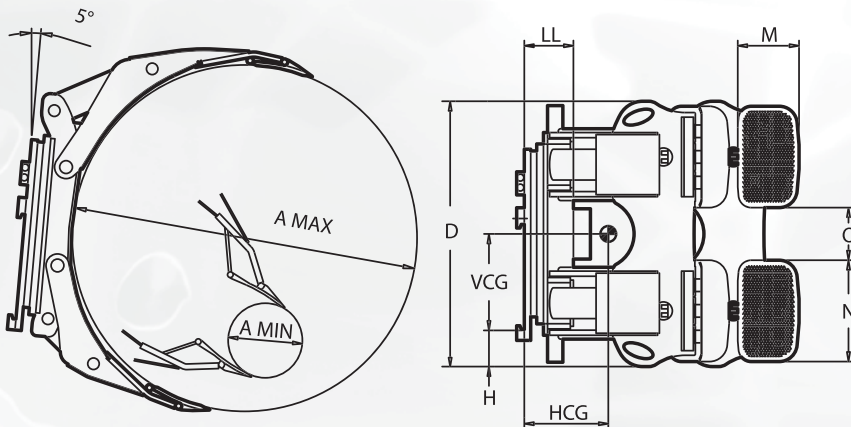
Unsplit long arm



Split long arm

Paper Roll Clamps

Models AR-40



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

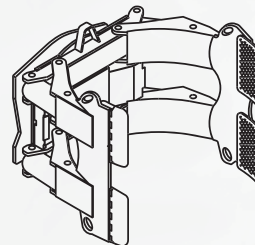
Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm	A mm	D mm	W kg	HCG mm	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328
Single roll clamps - Unsplit long arm												
AR-40RH-13	4600	650	250-1300	1240	1065	300	405	210	280x500	200	205	3A/4A
AR-40RH-14	4300	700	250-1400	1240	1080	310	405	210	280x500	200	205	3A/4A
AR-40RH-15	4200	760	250-1520	1240	1095	325	405	210	280x500	200	205	3A/4A
AR-40RH-16	4000	800	250-1600	1240	1110	320	405	210	280x500	200	205	3A/4A
AR-40RH-17	3900	850	350-1700	1240	1130	330	405	210	280x500	200	205	3A/4A
AR-40RH-18	3800	915	350-1830	1240	1150	340	405	210	280x500	200	205	3A/4A
1 - 2 roll clamps - Split long arm												
AR-40RJ-13	4600	650	250-1300	1240	1055	290	405	210	280x500	200	205	3A/4A
AR-40RJ-14	4300	700	250-1400	1240	1070	300	405	210	280x500	200	205	3A/4A
AR-40RJ-15	4200	760	250-1520	1240	1085	305	405	210	280x500	200	205	3A/4A
AR-40RJ-16	4000	800	250-1600	1240	1100	310	405	210	280x500	200	205	3A/4A
AR-40RJ-17	3900	850	350-1700	1240	1120	320	405	210	280x500	200	205	3A/4A
AR-40RJ-18	3800	915	350-1830	1240	1140	330	405	210	280x500	200	205	3A/4A

Note:

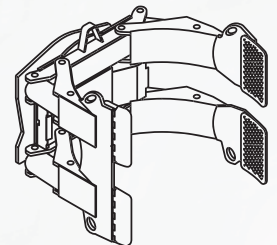
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



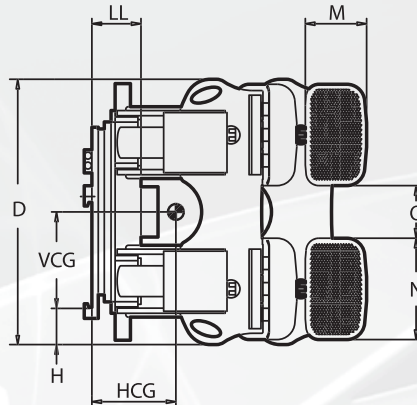
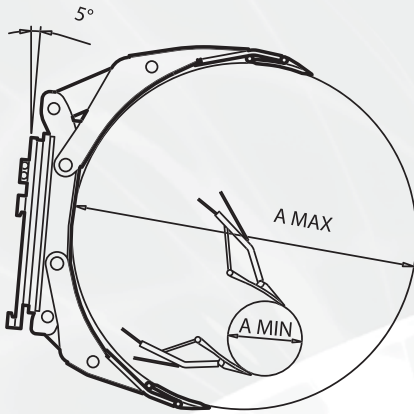
Unsplit long arm



Split long arm

Paper Roll Clamps

Models AR-45



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	ISO
	kg	mm	mm	mm	kg	mm	mm	mm	mm	mm	mm	2328

Single roll clamps - Unsplit long arm

AR-45RH-13	5000	650	250-1300	1240	1175	250	395	212	280x500	200	220	3A/4A
AR-45RH-14	4800	700	250-1400	1240	1200	270	395	212	280x500	200	220	3A/4A
AR-45RH-15	4600	760	250-1520	1240	1230	300	395	212	280x500	200	220	3A/4A
AR-45RH-16	4500	800	250-1600	1240	1270	325	395	212	280x500	200	220	3A/4A
AR-45RH-17	4200	850	300-1700	1240	1305	355	395	212	280x500	200	220	3A/4A
AR-45RH-18	3900	915	350-1830	1240	1340	385	395	212	280x500	200	220	3A/4A
AR-45RH-19	3600	950	450-1900	1240	1380	400	395	212	280x500	200	220	3A/4A
AR-45RH-20	3500	1000	450-2000	1240	1410	420	395	212	280x500	200	220	3A/4A
AR-45RH-21	3300	1050	450-2100	1240	1440	440	395	212	280x500	200	220	3A/4A

1 - 2 roll clamps - Split long arm

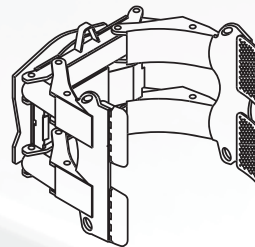
AR-45RJ-13	5000	650	250-1300	1240	1160	245	395	212	280x500	200	220	3A/4A
AR-45RJ-14	4800	700	250-1400	1240	1190	270	395	212	280x500	200	220	3A/4A
AR-45RJ-15	4600	760	250-1520	1240	1220	295	395	212	280x500	200	220	3A/4A
AR-45RJ-16	4500	800	250-1600	1240	1260	320	395	212	280x500	200	220	3A/4A
AR-45RJ-17	4200	850	300-1700	1240	1295	350	395	212	280x500	200	220	3A/4A
AR-45RJ-18	3900	915	350-1830	1240	1330	380	395	212	280x500	200	220	3A/4A
AR-45RJ-19	3600	950	450-1900	1240	1370	395	395	212	280x500	200	220	3A/4A
AR-45RJ-20	3500	1000	450-2000	1240	1400	415	395	212	280x500	200	220	3A/4A
AR-45RJ-21	3300	1050	450-2100	1240	1430	435	395	212	280x500	200	220	3A/4A

Note:

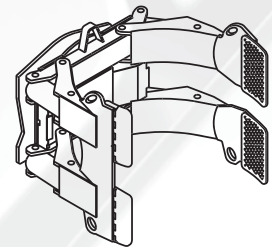
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



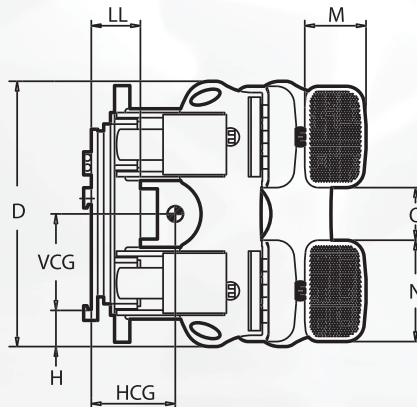
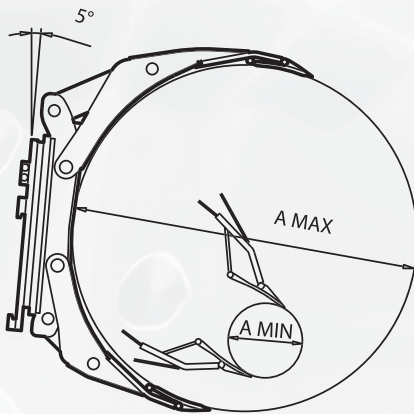
Unsplit long arm



Split long arm

Paper Roll Clamps

Models AR-53



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

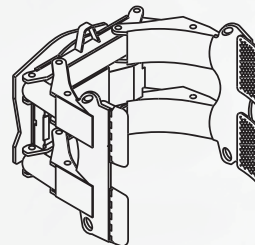
Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm	A mm	D mm	W kg	HCG mm	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328
Single roll clamps - Unsplit long arm												
AR-53RH-13	5600	650	400-1300	1240	1415	235	520	240	280x500	200	140	4A
AR-53RH-14	5500	700	430-1400	1240	1420	260	520	240	280x500	200	140	4A
AR-53RH-15	5400	760	470-1520	1240	1450	275	520	240	280x500	200	140	4A
AR-53RH-16	5300	800	500-1600	1240	1470	300	520	240	280x500	200	140	4A
AR-53RH-17	5000	850	600-1700	1240	1485	320	520	240	280x500	200	140	4A
AR-53RH-18	4600	915	560-1830	1240	1500	340	520	240	280x500	200	140	4A
AR-53RH-20	4000	1000	550-2000	1240	1530	380	520	240	280x500	200	140	4A
AR-53RH-21	3800	1050	600-2100	1240	1550	400	520	240	280x500	200	140	4A
1 - 2 roll clamps - Split long arm												
AR-53RJ-13	5600	650	400-1300	1240	1405	235	520	240	280x500	200	140	4A
AR-53RJ-14	5500	700	430-1400	1240	1410	260	520	240	280x500	200	140	4A
AR-53RJ-15	5400	760	470-1520	1240	1440	275	520	240	280x500	200	140	4A
AR-53RJ-16	5300	800	500-1600	1240	1460	295	520	240	280x500	200	140	4A
AR-53RJ-17	5000	850	600-1700	1240	1475	315	520	240	280x500	200	140	4A
AR-53RJ-18	4600	915	560-1830	1240	1490	340	520	240	280x500	200	140	4A
AR-53RJ-20	4000	1000	550-2000	1240	1520	375	520	240	280x500	200	140	4A
AR-53RJ-21	3800	1050	600-2100	1240	1540	395	520	240	280x500	200	140	4A

Note:

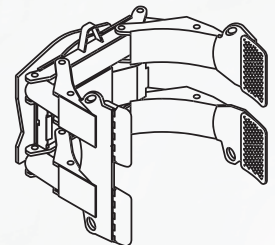
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



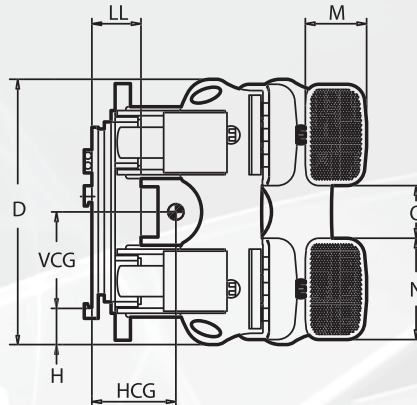
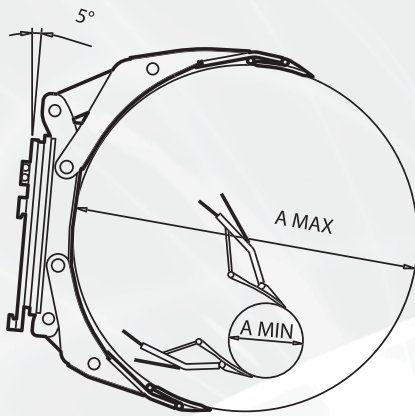
Unsplit long arm



Split long arm

Paper Roll Clamps

Models AR-60



- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm	A mm	D mm	W kg	HCG mm	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328

Single roll clamps - Unsplit long arm

AR-60RH-13	6500	650	500-1300	1340	1660	300	470	245	280x500	300	190	4A
AR-60RH-15	6300	760	500-1520	1340	1670	340	470	245	280x500	300	190	4A
AR-60RH-16	6000	800	500-1600	1340	1680	380	470	245	280x500	300	190	4A

1 - 2 roll clamps - Split long arm

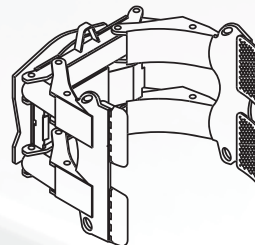
AR-60RJ-13	6500	650	500-1300	1340	1640	295	470	245	280x500	300	190	4A
AR-60RJ-15	6300	760	500-1520	1340	1650	335	470	245	280x500	300	190	4A
AR-60RJ-16	6000	800	500-1600	1340	1660	375	470	245	280x500	300	190	4A

Note:

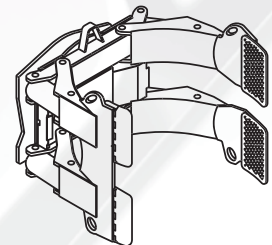
Two hydraulic functions are required. See hydraulic specifications page for pressure and flow rate recommendations. Special roll ranges on request. Standard contact pads: cast pad with high-friction surface. Standard contact pad options: Rubber-faced, steel-sprayed or polyurethane faced. Full length contact pads are available on request. Consult Bolzoni Auramo

Note:

Minimum 5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



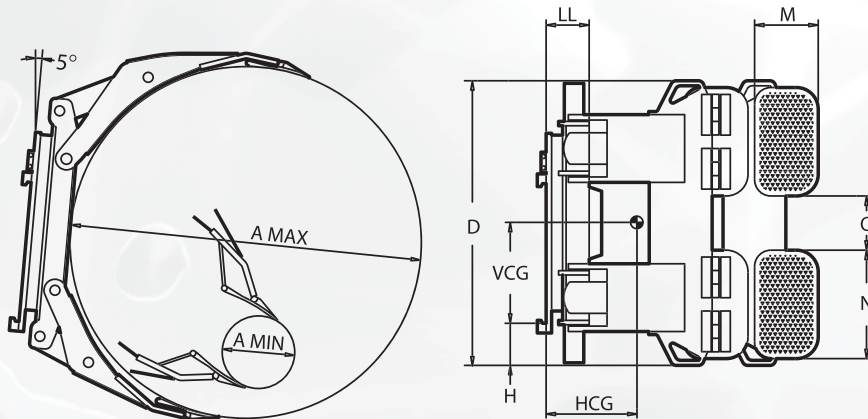
Unsplit long arm



Split long arm

Paper Roll Clamps

Models RA-N



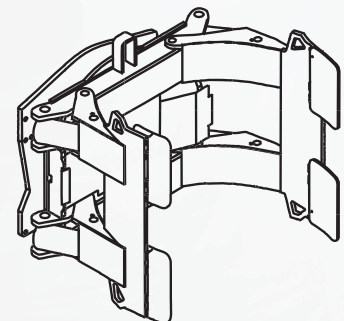
- Rotating paper roll clamp for vertical and horizontal handling of single rolls.
- Pivoting arms movement. Mobile long arm and positionable short arm. Several contact pad options in standard series.
- 180-degree rotation. Hydraulic cushioning in the vertical positions.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads ^①	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
RA-500-NL	5000	1250	600-2500	1440	2150	460	475	260	400x600	200	230	4A HD
RA-515-NL	5150	1200	600-2400	1440	2120	445	475	260	400x600	200	230	4A HD
RA-530-NL	5300	1150	550-2300	1440	2090	435	475	260	400x600	200	230	4A HD
RA-550-NL	5500	1100	550-2200	1440	2065	425	475	260	400x600	200	230	4A HD
RA-560-NL	5600	1050	580-2100	1440	2040	415	475	260	400x600	200	230	4A HD
RA-580-NL	5800	1000	500-2000	1440	2000	410	475	260	400x600	200	230	4A HD
RA-600-NL	6000	950	500-1900	1440	1955	400	475	260	400x600	200	230	4A HD
RA-630-NL	6300	915	500-1830	1440	1900	390	475	260	400x600	200	230	4A HD
RA-660-NL	6600	850	500-1700	1440	1875	385	475	260	400x600	200	230	4A HD
RA-700-N	7000	800	500-1600	1440	1850	380	475	260	400x600	200	230	4A HD

Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

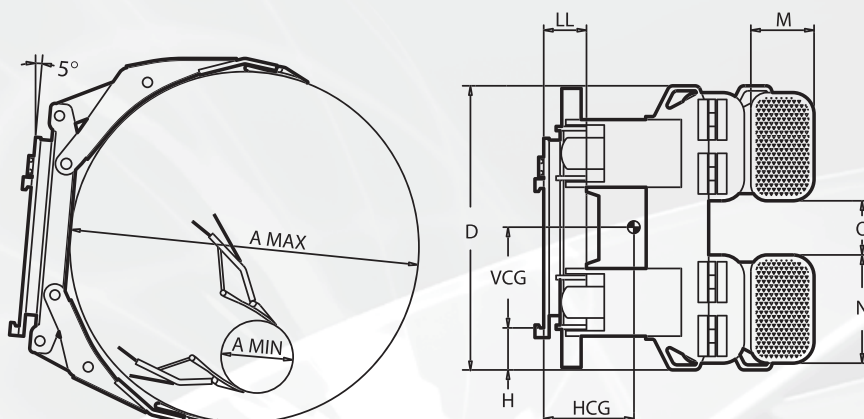
① Standard contact pads: cast pad with a high-friction surface. Contact pad options: steel-sprayed surface, rubber-faced, polyurethane-faced or flexible. Full-length contact pads available. Please see page 1-40.

Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



Paper Roll Clamps

Models RA-NJ



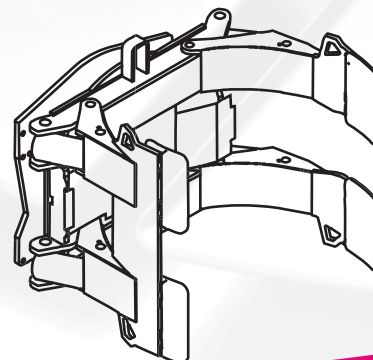
- Rotating paper roll clamp for vertical and horizontal handling of 1-2 rolls.
- Pivoting arm movement. Short and long arms. Split long arm. Several contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions.
- Positionable short arm.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads ^①	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
RA-500-NLJ	5000	1250	600-2500	1440	2130	455	475	260	400x600	200	230	4A HD
RA-515-NLJ	5150	1200	600-2400	1440	2100	445	475	260	400x600	200	230	4A HD
RA-530-NLJ	5300	1150	550-2300	1440	2070	435	475	260	400x600	200	230	4A HD
RA-550-NLJ	5500	1100	550-2200	1440	2045	425	475	260	400x600	200	230	4A HD
RA-560-NLJ	5600	1050	580-2100	1440	2020	415	475	260	400x600	200	230	4A HD
RA-580-NLJ	5800	1000	500-2000	1440	1980	410	475	260	400x600	200	230	4A HD
RA-600-NLJ	6000	950	500-1900	1440	1930	390	475	260	400x600	200	230	4A HD
RA-630-NLJ	6300	915	500-1830	1440	1870	390	475	260	400x600	200	230	4A HD
RA-660-NLJ	6600	850	500-1700	1440	1850	385	475	260	400x600	200	230	4A HD
RA-700-NJ	7000	800	500-1600	1440	1830	380	475	260	400x600	200	230	4A HD

Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

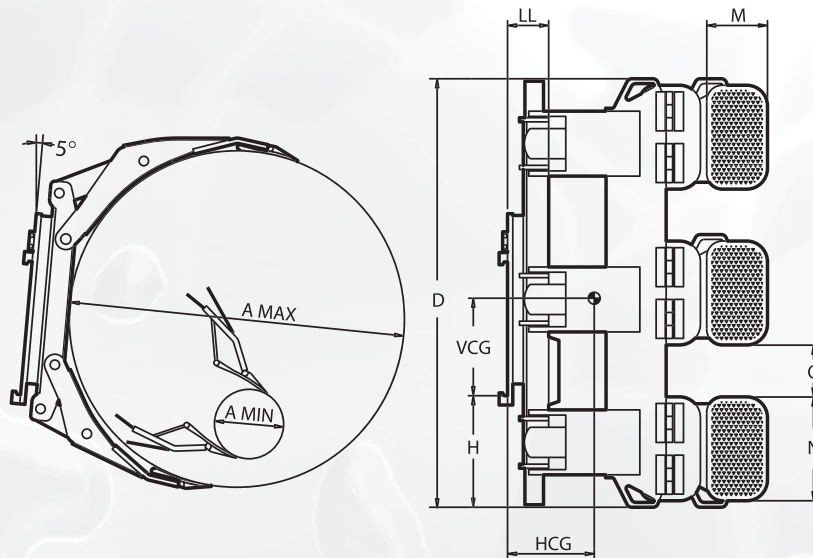
① Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, rubber-faced, polyurethane-faced, or flexible. Full-length contact pads available on short arm side. Please see page 1-40.

Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



Jumbo Paper Roll Clamps

Models RA-NJ-3



- Rotating Paper Roll clamp for vertical and horizontal roll handling.
- Three split long arms enable the handling of one large roll or 2-3 rolls of different diameters.
- Pivoting arm movement. Short and long arms. Several contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions, eliminates the risk of edge damage.

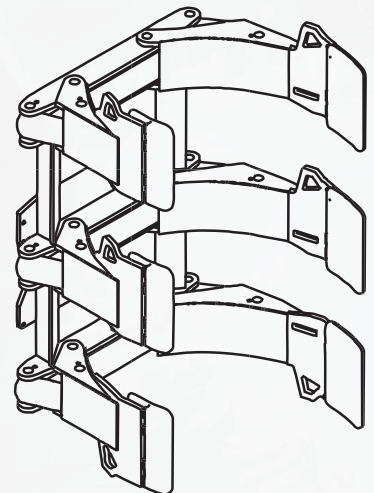
Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
RA-350-NJ-3	3500	800	250-1600	2040	1580	380	415	365	240x400	400	610	3A/4A
RA-450-NJ-3	4500	650	250-1300	2040	1500	340	415	365	240x400	400	610	3A/4A
RA-550-NJ-3	5500	900	250-1800	2340	2130	470	489	385	280x500	400	755	4A
RA-580-NJ-3	5800	800	250-1600	2340	2060	430	489	385	280x500	400	755	4A
RA-600-NLJ-3	6000	750	500-1500	2340	2040	420	489	385	280x500	400	755	4A
RA-600-NJ-3	6000	650	250-1300	2340	1980	400	489	385	280x500	400	755	4A
RA-800-NJ-3	8000	750	800-1500	2340	2560	440	489	435	280x500	400	755	①

Two hydraulic functions. Special roll ranges on request. See page 1-37 for hydraulic pressure and flow rate recommendations.

Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, rubber-faced, polyurethane-faced, or flexible. Please see page 1-40.

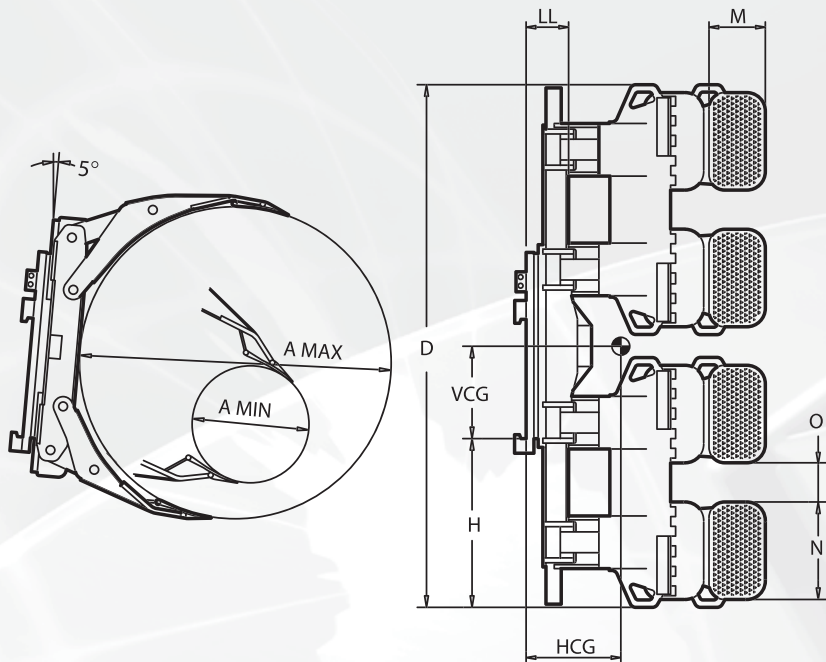
Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available.

① Special mounting required.



Jumbo Paper Roll Clamps

Models RA-NJ-4



- Rotating Paper Roll clamp for vertical and horizontal roll-handling.
- Four split long arms with two positionable short arms enable the handling of one super-jumbo roll or 1-4 rolls of different diameters.
- Pivoting arm movement. Short and long arms. Several arm and contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions eliminates the risk of edge-damage.

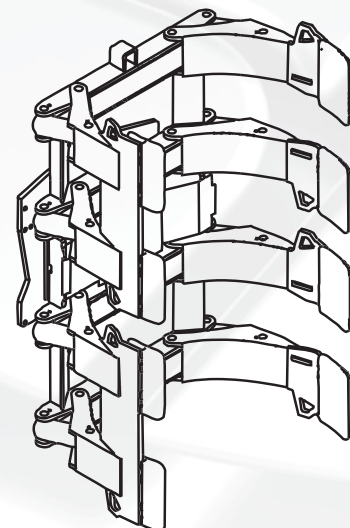
Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
RA-580NJ-4	5800	700	600-1400	2240	1600	320	①	235	240x400	200	650	4A
RA-600NJ-4	6000	650	600-1300	2240	1530	290	①	235	240x400	200	650	4A
RA-700NJ-4	7000	915	600-1830	2640	2500	400	①	250	280x500	200	860	②
RA-750NJ-4	7500	800	600-1600	2640	2410	325	①	250	280x500	200	860	②
RA-760NJ-4	7600	750	600-1500	2640	2390	290	①	250	280x500	200	860	②
RA-780NJ-4	7800	700	600-1400	2640	2360	260	①	250	280x500	200	860	②
RA-800NJ-4	8000	650	600-1300	2640	2320	230	①	250	280x500	200	860	②

Two hydraulic functions. Special roll ranges on request.
Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, rubber-faced, polyurethane-faced, or flexible. Please see page 1-40.

① Consult Bolzoni Auramo.

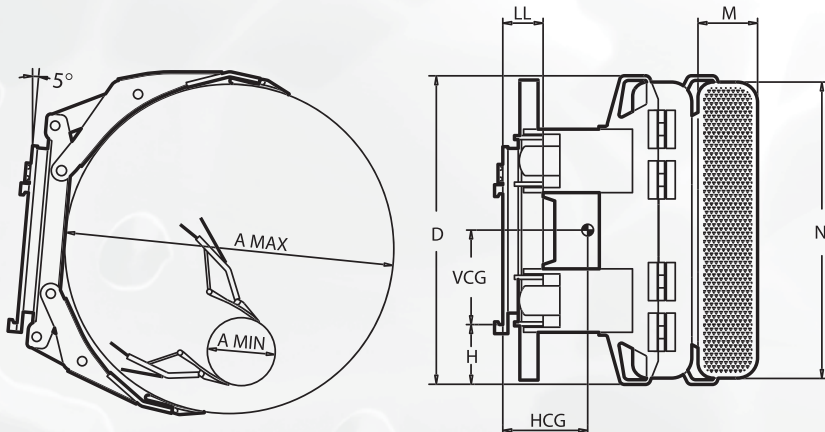
② Special mounting required. Please see page 1-38.

Note: For bilge handling, 5-degree forward tilt on upright is required.
For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



Tissue Roll Clamps

Models RA-NT



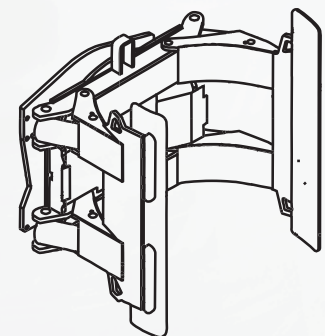
- Rotating Paper Roll clamp for vertical and horizontal handling of a single tissue roll.
- Big-surface clamp pads prevent roll damage.
- Pivoting arm movement. Short and long arms.
- 180-degree rotation, with hydraulic cushioning in the vertical positions eliminates the risk of edge-damage.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
RA-100-NLT	1000	1050	650-2100	1240	800	400	375	180	280x1200	-	255	2A/3A
RA-140-NT	1400	900	250-1800	1240	750	390	375	180	280x1200	-	255	2A/3A
RA-150-NT	1500	850	250-1700	1240	700	320	375	180	280x1200	-	255	2A/3A
RA-160-NT	1600	800	250-1600	1240	680	310	375	180	280x1200	-	255	2A/3A
AR-30RT-21	2100	1065	450-2130	1235	960	425	360	200	280x1200	-	260	2A/3A
AR-30RT-20	2250	1015	400-2030	1235	945	415	360	200	280x1200	-	260	2A/3A
AR-30RT-18	2500	915	400-1830	1235	910	385	360	200	280x1200	-	260	2A/3A
RA-200-NLT	2000	1250	850-2500	1440	1300	450	455	185	400x1400	-	280	3A/4A
RA-220-NLT	2200	1150	850-2300	1440	1280	420	455	185	400x1400	-	280	3A/4A
RA-240-NT	2400	1050	500-2100	1440	1220	380	455	185	400x1400	-	280	3A/4A
RA-270-NT	2700	1000	450-2000	1440	1190	355	455	185	400x1400	-	280	3A/4A
RA-280-NT	2800	900	250-1800	1440	1140	330	455	185	400x1400	-	280	3A/4A
RA-250-NLT	2500	1250	500-2500	1440	1440	510	430	210	400x1400	-	310	3A/4A
RA-280-NLT	2800	1200	450-2400	1440	1380	500	430	210	400x1400	-	310	3A/4A
RA-300-NT	3000	1100	500-2200	1440	1350	450	430	210	400x1400	-	310	3A/4A
RA-330-NT	3300	1000	500-2000	1440	1290	400	430	210	400x1400	-	310	3A/4A
RA-380-NT	3800	900	250-1800	1440	1220	355	430	210	400x1400	-	310	3A/4A
RA-320-NLT	3200	1250	850-2500	1440	1695	550	430	235	700x1400	-	240	4A
RA-400-NLT	4000	1300	850-2600	1440	2240	500	530	260	700x1400	-	x	4A
RA-500-NLT	5000	1250	650-2500	1440	2150	480	530	260	700x1400	-	x	4A
RA-600-NLT	6000	1350	1500-2700	1840	3400	800	660	290	700x1800	-	x	x

Two hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.

① Standard contact pads: rubber-faced, unsplit pads. Contact pad option: plain pad surface. Please see page 1-40.

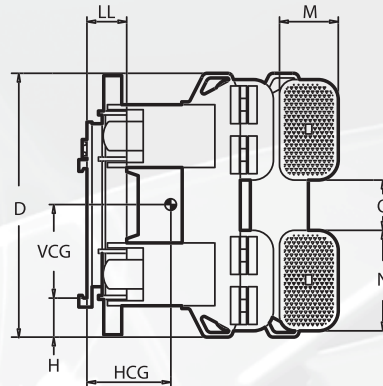
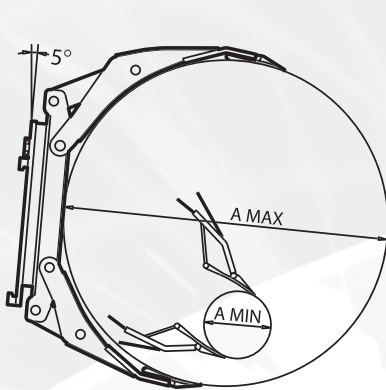
Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.



“Intelligent” Paper Roll Clamps

Models CTXAR G3

(See also page 1-33)

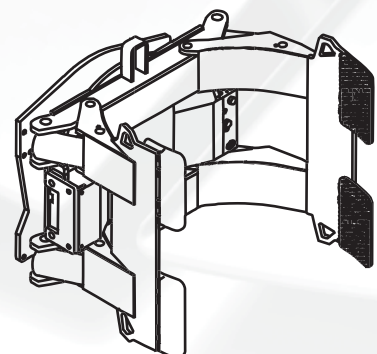


- 180-degree rotation Paper Roll clamp for vertical and horizontal handling of single rolls.
- Microprocessor control system to control the clamping force. Minimized clamping force prevents paper roll out-of-roundness.
- Pivoting arm movement. Short and long arms. Several arm and contact pad options in standard series.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
CTXAR-22RH-13	2200	650	250-1300	830	635	247	360	180	220x300	200	60	2A/3A
CTXAR-30RH-13	3000	650	250-1300	1035	790	253	360	190	240x400	200	160	2A/3A
CTXAR-37RH-16	3700	800	250-1600	1135	1000	310	435	190	280x400	300	130	3A/4A
CTXAR-40RH-16	4000	800	250-1600	1240	1140	320	405	210	280x500	200	205	3A/4A
CTXAR-40RH-13	4600	650	250-1300	1240	1095	300	405	210	280x500	200	205	3A/4A
CTXAR-45RH-13	5000	650	250-1300	1240	1205	250	395	212	280x500	200	220	3A/4A
CTXAR-53RH-13	5600	650	400-1300	1240	1445	235	520	240	280x500	200	94	4A

Two hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: rubber-faced. Contact pad option: steel-sprayed surface. Full-length contact pads available. Please see page 1-40.

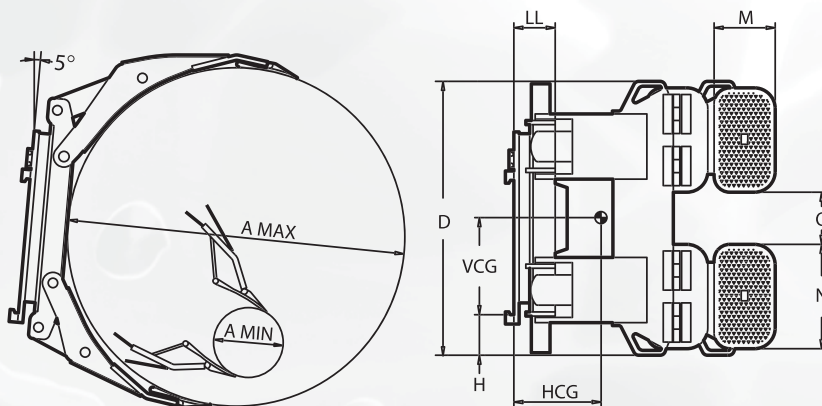
Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.
Note: CTXR Series clamps require special installation. Consult Bolzoni Auramo for details. Please note that the CTX clamping force control system is also available for several other Bolzoni Auramo pivot arm paper roll clamp models. Also for jumbo and multiple paper roll clamps. See page 1-33. Contact Bolzoni Auramo for more information.



“Intelligent” Paper Roll Clamps

Models CTXAR-J 63

(See also page 1-33)



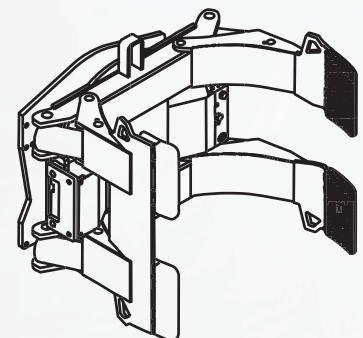
- 180-degree rotation Paper Roll clamp for vertical and horizontal handling of 1-2 rolls.
- Microprocessor control system to control the clamping force. Minimized clamping force prevents paper roll out-of-roundness.
- Pivoting arm movement. Short and long arms. Split long arm. Several arm and contact pad options in standard series.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
CTXAR-22RJ-13	2200	650	250-1300	830	625	227	360	180	220x300	200	60	2A/3A
CTXAR-30RJ-13	3000	650	250-1300	1035	780	251	360	190	240x400	200	160	2A/3A
CTXAR-37RJ-16	3700	800	250-1600	1135	985	305	435	190	280x400	300	130	3A/4A
CTXAR-40RJ-16	4000	800	250-1600	1240	1130	310	405	210	280x500	200	205	3A/4A
CTXAR-40RJ-13	4600	650	250-1300	1240	1085	290	405	210	280x500	200	205	3A/4A
CTXAR-45RJ-13	5000	650	250-1300	1240	1190	245	395	212	280x500	200	220	3A/4A
CTXAR-53RJ-13	5600	650	400-1300	1240	1435	235	520	240	280x500	200	94	4A

Two hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: rubber-faced. Contact pad option: steel-sprayed surface. Full-length contact pads available. Please see page 1-40.

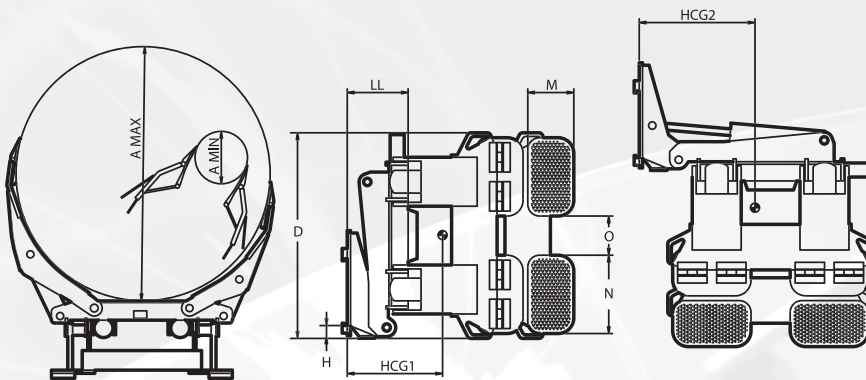
Note: For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available. Consult Bolzoni Auramo.

Note: CTXR Series clamps require special installation. Consult Bolzoni Auramo for details. Please note that the CTX clamping force control system is also available for several other Bolzoni Auramo pivot arm paper roll clamp models. Also for jumbo and multiple paper roll clamps. See page 1-33. Contact Bolzoni Auramo for more information.



Tilting Paper Roll Clamps

Models TA-N



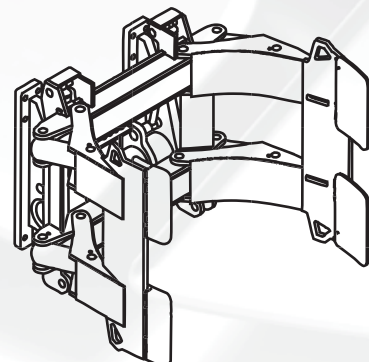
- Tilting Paper Roll clamp for vertical and horizontal handling of single rolls.
- Pivoting arm movement. Short and long arms. Several arm and contact pad options in standard series.
- 90-degree tilt with built-in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg											
TA-220-N	2200	650/1200	250-1300	1040	720	385/575	④	320	240x400	200	80	2A/3A
TA-230-N	2300	900/1200	250-1800	1040	770	440/585	④	320	240x400	200	80	2A/3A
TA-250-N	2500	800/1200	250-1600	1040	740	410/580	④	320	240x400	200	80	2A/3A
TA-300-N	3000	650/1200	250-1300	1040	730	385/575	④	320	240x400	200	80	2A/3A
TA-280-N	2800	915/1300	250-1830	1240	1065	450/730	④	350	280x500	200	80	3A/4A
TA-320-N	3200	800/1300	250-1600	1240	1040	430/710	④	350	280x500	200	80	3A/4A
TA-350-N	3500	650/1300	250-1300	1240	1025	410/705	④	350	280x500	200	80	3A/4A
TA-380-N	3800	915/1300	300-1830	1240	1185	465/710	④	350	280x500	200	80	4A
TA-400-N	4000	800/1300	250-1600	1240	1145	445/710	④	350	280x500	200	80	4A
TA-450-N	4500	650/1300	250-1300	1240	1115	420/710	④	350	280x500	200	80	4A

Two hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on short arm side. Please see page 1-40.

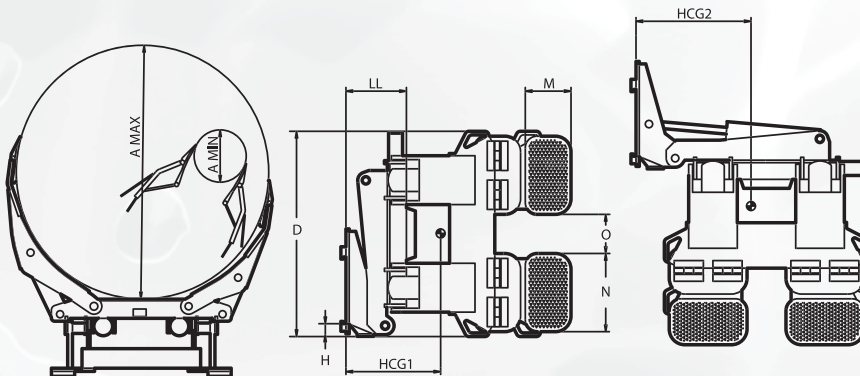
Short arm available on right or left side. Consult Bolzoni Auramo

- ① Load centre is rated in the vertical and horizontal tilted positions.
- ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
- ③ Horizontal centre of gravity is indicated in the vertical position and in the horizontal tilted position.
- ④ Consult Bolzoni Auramo regarding factory specifications.



Tilting Paper Roll Clamps

Models TA-NJ



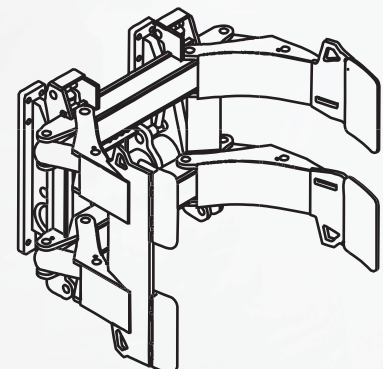
- Tilting paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Split long arm. Several arm and contact pad options in standard series.
- 90-degree tilt with built in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.

Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP1/BP2 mm ^①										
TA-220-NJ	2200	650/1200	250-1300	1040	710	385/575	④	320	240x400	200	80	2A/3A
TA-230-NJ	2300	900/1200	250-1800	1040	760	440/585	④	320	240x400	200	80	2A/3A
TA-250-NJ	2500	800/1200	250-1600	1040	730	410/580	④	320	240x400	200	80	2A/3A
TA-300-NJ	3000	650/1200	250-1300	1040	720	385/575	④	320	240x400	200	80	2A/3A
TA-280-NJ	2800	915/1300	250-1830	1240	1055	450/730	④	350	280x500	200	80	3A/4A
TA-320-NJ	3200	800/1300	250-1600	1240	1030	430/710	④	350	280x500	200	80	3A/4A
TA-350-NJ	3500	650/1300	250-1300	1240	1015	410/705	④	350	280x500	200	80	3A/4A
TA-380-NJ	3800	915/1300	300-1830	1240	1175	465/710	④	350	280x500	200	80	4A
TA-400-NJ	4000	800/1300	250-1600	1240	1135	445/710	④	350	280x500	200	80	4A
TA-450-NJ	4500	650/1300	250-1300	1240	1105	420/710	④	350	280x500	200	80	4A

Two hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on short arm side. Please see page 1-40.

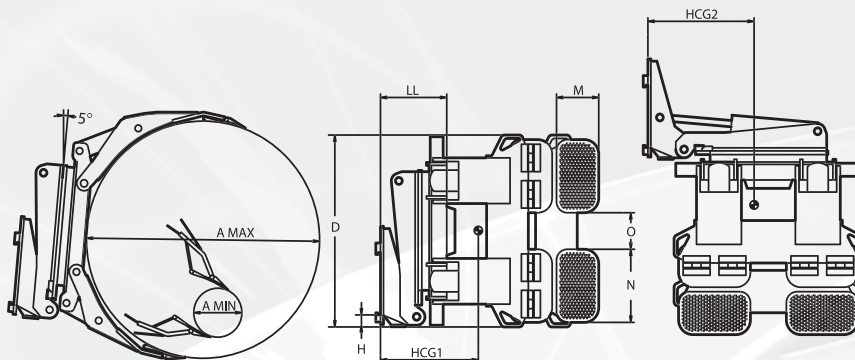
Short arm available on right or left side. Consult Bolzoni Auramo

- ① Load centre is rated in the vertical and horizontal tilted positions.
- ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
- ③ Horizontal centre of gravity is indicated in the vertical position and in the horizontal tilted position.
- ④ Consult Bolzoni Auramo regarding factory specifications.



Tilting and Rotating Paper Roll Clamps

Models TRA-N

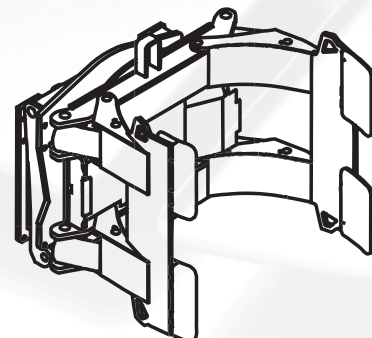


- Tilting and rotating paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Several different arm and contact pad options in standard series.
- 90-degree tilt with built-in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.
- 180-degree rotation, with hydraulic cushioning in the vertical positions.

Model	Capacity	Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP1/BP2 mm ^①	A mm ^②	D mm	W kg	HCG1/HCG2 mm ^③	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328
TRA-220-N	2200	650 /1200	250-1300	1040	1060	390/635	④	430	240x400	200	80	2A/3A
TRA-230-N	2300	900 /1200	250-1800	1040	1100	435/635	④	430	240x400	200	80	2A/3A
TRA-250-N	2500	800 /1200	250-1600	1040	1080	415/635	④	430	240x400	200	80	2A/3A
TRA-300-N	3000	650 /1200	250-1300	1040	1060	390/635	④	430	240x400	200	80	2A/3A
TRA-280-N	2800	915 /1300	250-1830	1240	1540	445/730	④	460	280x500	200	80	3A/4A
TRA-320-N	3200	800 /1300	250-1600	1240	1520	430/725	④	460	280x500	200	80	3A/4A
TRA-350-N	3500	650 /1300	250-1300	1240	1500	415/725	④	460	280x500	200	80	3A/4A
TRA-350-NL	3500	800 /1300	250-1600	1240	1625	455/720	④	490	280x500	200	80	4A
TRA-380-N	3800	915 /1300	300-1830	1240	1655	470/725	④	490	280x500	200	80	4A
TRA-400-N	4000	800 /1300	250-1600	1240	1625	455/720	④	490	280x500	200	80	4A
TRA-450-N	4500	650 /1300	250-1300	1240	1595	440/720	④	490	280x500	200	80	4A

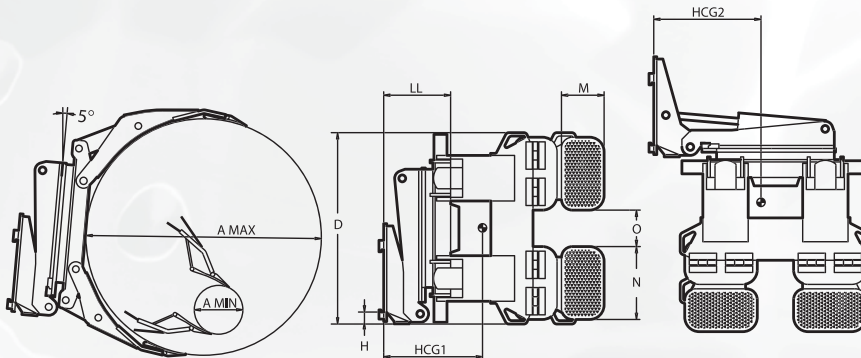
Three hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on short arm side. Please see page 1-40.

- ① Load centre is rated in the vertical and horizontal tilted positions.
- ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
- ③ Horizontal centre of gravity is indicated in the vertical position and in the horizontal tilted position.
- ④ Consult Bolzoni Auramo regarding factory specifications.



Tilting and Rotating Paper Roll Clamps

Models TRA-NJ

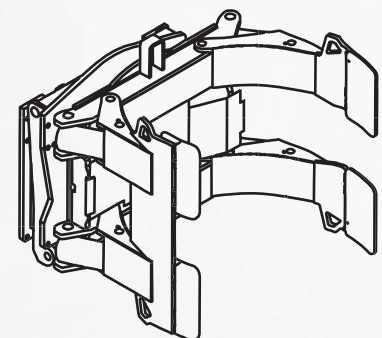


- Tilting and rotating paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Split long arm. Several different contact pad options in standard series.
- 90-degree tilt with built-in check-valve.
- 180-degree rotation with hydraulic cushioning in the vertical positions.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.

Model	Capacity		Load Centre	Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP1/BP2 mm ^①											
TRA-220-NJ	2200	650/ 1200	250-1300	1040	1060	390/635	④	430	240x400	200	80	2A/3A	
TRA-230-NJ	2300	900/ 1200	250-1800	1040	1100	435/635	④	430	240x400	200	80	2A/3A	
TRA-250-NJ	2500	800/ 1200	250-1600	1040	1080	415/635	④	430	240x400	200	80	2A/3A	
TRA-300-NJ	3000	650/ 1200	250-1300	1040	1060	390/635	④	430	240x400	200	80	2A/3A	
TRA-280-NJ	2800	915/ 1300	250-1830	1240	1540	445/730	④	460	280x500	200	80	3A/4A	
TRA-320-NJ	3200	800/ 1300	250-1600	1240	1520	430/725	④	460	280x500	200	80	3A/4A	
TRA-350-NJ	3500	650/ 1300	250-1300	1240	1500	415/725	④	460	280x500	200	80	3A/4A	
TRA-350-NLJ	3500	800/ 1300	250-1600	1240	1625	455/720	④	490	280x500	200	80	4A	
TRA-380-NJ	3800	915/ 1300	300-1830	1240	1655	470/725	④	490	280x500	200	80	4A	
TRA-400-NJ	4000	800/ 1300	250-1600	1240	1625	455/720	④	490	280x500	200	80	4A	
TRA-450-NJ	4500	650/ 1300	250-1300	1240	1595	440/720	④	490	280x500	200	80	4A	

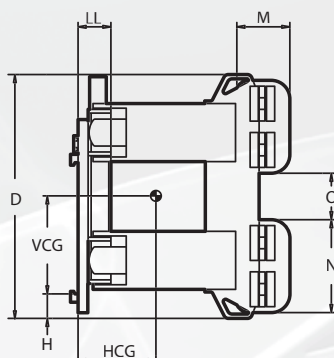
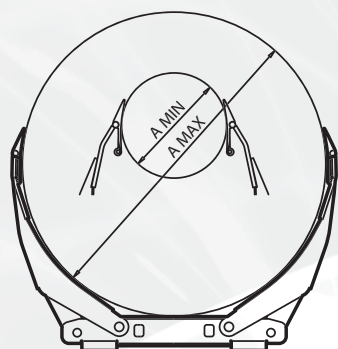
Three hydraulic functions. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on short arm side. Please see page 1-40.

- ① Load centre is rated in the vertical and horizontal tilted positions.
- ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
- ③ Horizontal centre of gravity is indicated in the vertical position and in the horizontal tilted position.
- ④ Consult Bolzoni Auramo regarding factory specifications.



Paper Roll Clamps

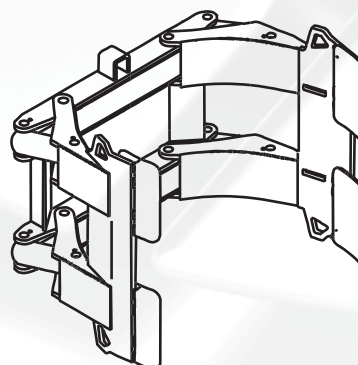
Models A-N



- Designed for vertical handling of single paper rolls.
- Pivoting arm movement. Equal length arms or short and long arms for required use. Several arm and contact pad options in standard series.
- Non-rotating.

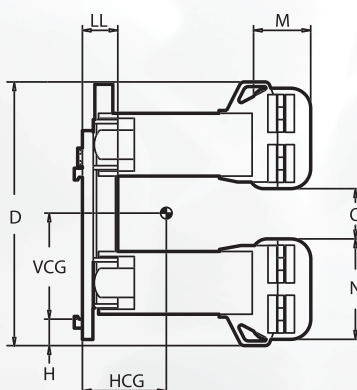
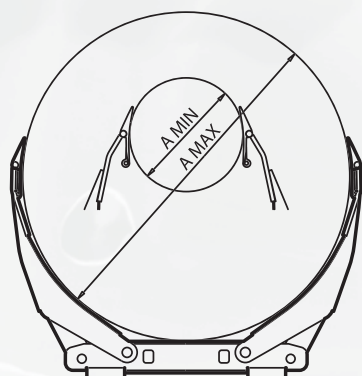
Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
A-200-N	2000	650	250-1300	840	460	260	400	120	210x300	200	74	2A/3A
A-230-N	2300	900	600-1800	1040	660	355	480	120	240x400	200	90	2A/3A
A-250-N	2500	800	600-1600	1040	635	335	480	120	240x400	200	90	2A/3A
A-270-N	2700	750	550-1500	1040	625	325	480	120	240x400	200	90	2A/3A
A-280-N	2800	700	500-1400	1040	620	315	480	120	240x400	200	90	2A/3A
A-300-N	3000	650	450-1300	1040	615	305	480	120	240x400	200	90	2A/3A
A-280-NL	2800	900	600-1800	1240	750	350	530	140	280x500	200	100	3A/4A
A-320-N	3200	800	550-1600	1240	735	340	530	140	280x500	200	100	3A/4A
A-330-N	3300	750	520-1500	1240	725	320	530	140	280x500	200	100	3A/4A
A-340-N	3400	700	480-1400	1240	715	280	530	140	280x500	200	100	3A/4A
A-350-N	3500	650	450-1300	1240	690	250	530	140	280x500	200	100	3A/4A
A-380-N	3800	900	600-1800	1240	975	400	530	155	280x500	200	140	3A/4A
A-400-N	4000	800	550-1600	1240	940	345	530	155	280x500	200	140	3A/4A
A-420-N	4200	750	520-1500	1240	920	340	530	155	280x500	200	140	3A/4A
A-450-N	4500	650	450-1300	1240	880	310	530	155	280x500	200	140	3A/4A
A-400-NL	4000	1000	600-2000	1340	1170	410	580	180	280x500	300	145	4A
A-450-NL	4500	900	600-1800	1340	1080	350	580	180	280x500	300	145	4A
A-500-N	5000	800	550-1600	1340	1020	330	580	180	280x500	300	145	4A
A-560-N	5600	650	450-1300	1340	960	310	580	180	280x500	300	145	4A

One hydraulic function. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with a high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Please see page 1-40.



Paper Roll Clamps

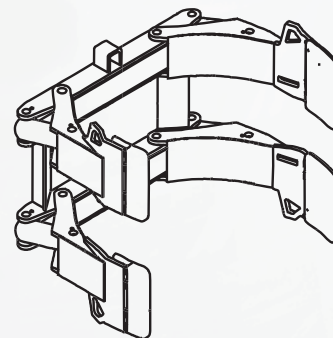
Models A-NJJ



- Designed for vertical handling of 1 or 2 rolls of equal or unequal diameters.
- Pivoting arm movement. Equal length arms or short and long arms for required use. Several arm and contact pad options in standard series.
- Non-rotating.

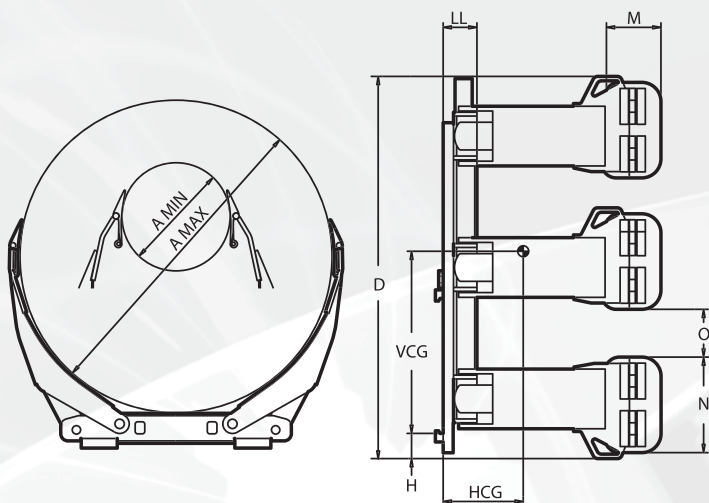
Model	Capacity		Roll Range	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
A-200-NJJ	2000	650	250-1300	840	450	255	400	120	210x300	200	74	2A/3A
A-230-NJJ	2300	900	600-1800	1040	650	350	480	120	240x400	200	90	2A/3A
A-250-NJJ	2500	800	600-1600	1040	625	330	480	120	240x400	200	90	2A/3A
A-270-NJJ	2700	750	550-1500	1040	615	320	480	120	240x400	200	90	2A/3A
A-280-NJJ	2800	700	500-1400	1040	610	310	480	120	240x400	200	90	2A/3A
A-300-NJJ	3000	650	450-1300	1040	605	300	480	120	240x400	200	90	2A/3A
A-280-NLJJ	2800	900	600-1800	1240	720	345	530	140	280x500	200	100	3A/4A
A-320-NJJ	3200	800	550-1600	1240	710	335	530	140	280x500	200	100	3A/4A
A-330-NJJ	3300	750	520-1500	1240	705	315	530	140	280x500	200	100	3A/4A
A-340-NJJ	3400	700	480-1400	1240	690	275	530	140	280x500	200	100	3A/4A
A-350-NJJ	3500	650	450-1300	1240	675	305	530	140	280x500	200	100	3A/4A
A-380-NJJ	3800	900	600-1800	1240	965	395	530	155	280x500	200	140	3A/4A
A-400-NJJ	4000	800	550-1600	1240	930	340	530	155	280x500	200	140	3A/4A
A-420-NJJ	4200	750	520-1500	1240	910	335	530	155	280x500	200	140	3A/4A
A-450-NJJ	4500	650	450-1300	1240	870	305	530	155	280x500	200	140	3A/4A
A-400-NLJJ	4000	1000	600-2000	1340	1150	400	580	180	280x500	300	145	4A
A-450-NLJJ	4500	900	600-1800	1340	1080	345	580	180	280x500	300	145	4A
A-500-NJJ	5000	800	550-1600	1340	1000	325	580	180	280x500	300	145	4A
A-560-NJJ	5600	650	450-1300	1340	940	305	580	180	280x500	300	145	4A

One hydraulic function. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with a high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Please see page 1-40.



Paper Roll Clamps

Models A-NJJ-3

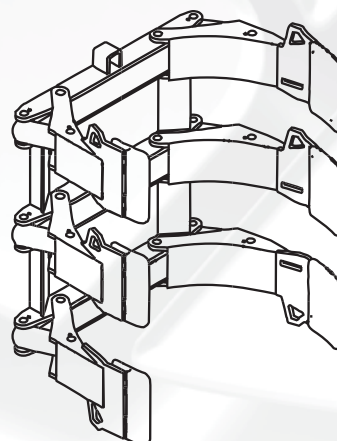


- Equal length split arms enable the handling of one super-jumbo roll or 1-3 rolls of different diameters in the vertical position.
- Pivoting arm movement.
- Several arm and contact pad options in standard series.
- Non-rotating.

Model	Capacity		Roll Range	Height	Weight	Center of Gravity		Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm				Center of Gravity Horizontal	Center of Gravity Vertical					
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	ISO
	kg	mm	mm	mm	kg	mm	mm	mm	mm	mm	mm	2328
A-350-NJJ-3	3500	800	500-1600	2040	1000	330	930	140	240x400	400	90	3A/4A
A-450-NJJ-3	4500	650	400-1300	2040	950	290	930	140	240x400	400	90	3A/4A
A-550-NJJ-3	5500	900	600-1800	2340	1450	395	1030	155	280x500	400	140	4A
A-580-NJJ-3	5800	800	500-1600	2340	1400	340	1030	155	280x500	400	140	4A
A-600-NJJ-3	6000	650	400-1300	2340	1350	305	1030	155	280x500	400	140	4A

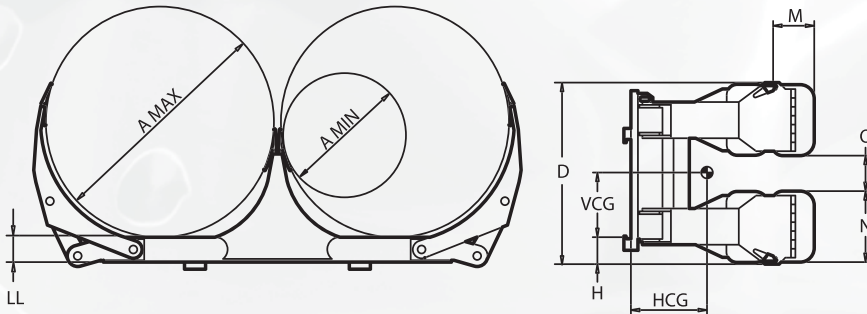
One hydraulic function. Special roll ranges on request. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations. Standard contact pads: cast pad with a high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Please see page 1-40.

Note: Also available with hydraulically adjustable upper frame. Easy clamp height adjustment to varying paper roll and roll stack height. See page 1-34 Consult Bolzoni Auramo for further information.



Paper Roll Clamps

Models LA-4



- Multiple Paper Roll clamp for vertical handling of 2-4 rolls at a time.
- Pivoting arm movement, equal length split long arms, fixed center arm. Several arm and contact pad options in standard series.
- Thin-arm profile ensures tight stacking with excellent visibility, and damage-free handling.
- Strong light body, with favorable effective thickness, maximizes the residual capacity of the truck.

Model	Capacity		Roll Range	Height	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q kg	BP mm										
LA-500N-4	5000	650	2x[800-1300]	1040	865	330	410	160	240x400	200	①	4A
LA-600N-4	6000	650	2x[800-1300]	1040	1075	330	410	180	240x400	200	①	4A
LA-800N-4	8000	800	2x[900-1600]	1240	1290	350	545	180	280x500	200	①	②
LA-840N-4	8400	750	2x[900-1500]	1240	1280	345	545	180	280x500	200	①	②
LA-860N-4	8600	700	2x[900-1400]	1240	1270	340	545	180	280x500	200	①	②
LA-900N-4	9000	650	2x[900-1300]	1240	1250	330	545	180	280x500	200	①	②
LA-1000-4	10000	900	2x[1000-1800]	1240	1540	350	545	180	280x500	200	①	②
LA-1000S-4	10000	675	2x[650-1350]	1240	1320	340	545	180	280x500	200	①	②

One hydraulic function. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.

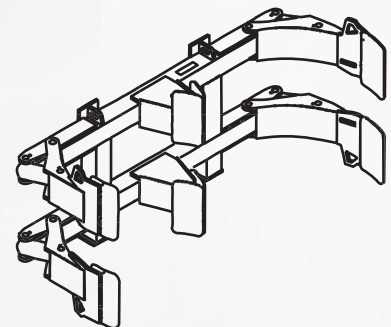
Special roll ranges on request. Separate sideshift and independent arm movement are available on request.

Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Please see page 1-40.

① Consult Bolzoni Auramo.

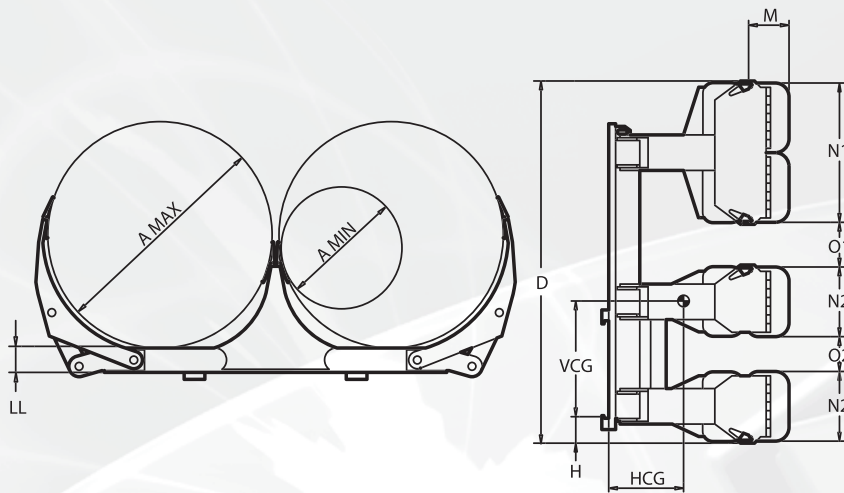
② Special mounting required. Please see page 1-38.

Note: Also available with hydraulically adjustable frame width. Easy clamp width adjustment to varying paper roll diameter ranges. See page 1-34. Consult Bolzoni Auramo for further information.



Paper Roll Clamps

Models LA-6



- Multiple Paper Roll clamp for vertical handling of 2-8 rolls at a time.
- Pivoting arm movement. Six equal length split long arms, fixed center arm. Several arm and contact pad options in standard series.
- Thin-arm-profile ensures tight stacking with excellent visibility and damage-free handling.
- Strong light body with favorable effective thickness maximizes the residual capacity of the truck.

Model	Capacity		Roll Range	Height	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP										
	kg	mm	A	D	W	HCG	VCG	LL	M x N	O	H	ISO
			mm	mm	kg	mm	mm	mm	mm	mm	mm	2328
LA-750-6	7500	650	2x[800-1300]	①	1460	320	①	160	240x400	①	①	②
LA-900-LS6	9000	900	2x[1000-1800]	①	2210	360	①	200	280x500	①	①	②
LA-900-L6	9000	800	2x[900-1600]	①	2190	330	①	200	280x500	①	①	②
LA-900-6	9000	650	2x[800-1300]	①	2100	320	①	200	280x500	①	①	②
LA-1200NL-6	12000	750	2x[900-1500]	①	2180	400	①	200	280x500	①	①	②
LA-1200N-6	12000	650	2x[800-1300]	①	2120	340	①	200	280x500	①	①	②

One hydraulic function. Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.

Special roll ranges on request. Separate sideshift and independent arm movement are available on request.

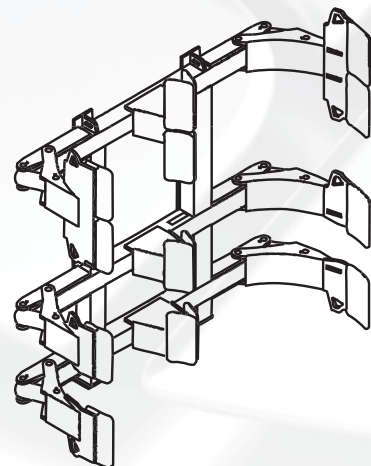
Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Please see page 1-40.

① Consult Bolzoni Auramo.

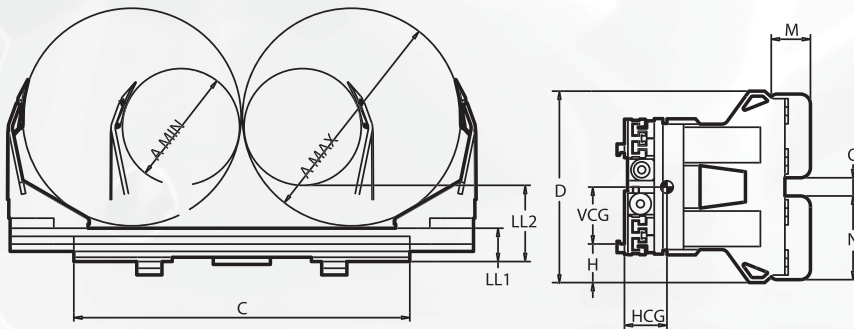
② Special mounting required. Please see page 1-38.

Note: Also available with hydraulically adjustable upper frame. Easy clamp height adjustment to varying paper roll and roll stack height. Consult Bolzoni Auramo for further information.

Also available with hydraulically adjustable frame width. Easy clamp width adjustment to varying paper roll diameter ranges. See page 1-34. Consult Bolzoni Auramo for further information.



Paper Roll Clamps - non-rotating Models B-RH

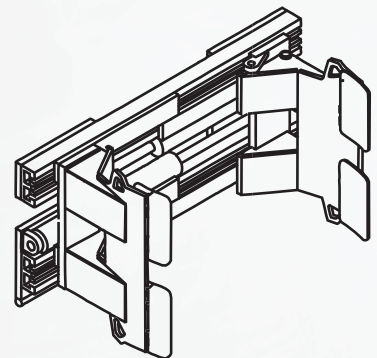


- Paper Roll clamp designed for handling 1 or 2 rolls, side by side.
- Equal long arms. Parallel arm movement. Built-in bumper in arms compensates for different roll diameters.
- Non-rotating.
- Aluminum-profile frame.
- Built-in sideshift improves handling.

Model	Capacity	Load Center	Roll Range	Frame Width	Height	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>A</i> mm	<i>C</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>M x N</i> mm	<i>O</i> mm	<i>H</i> mm	<i>ISO</i> 2328
B-300-R	3000	550	2x [800-1100]	1400	1040	840	300	296	157/245	240x400	200	215	3A
B-300-LR	3000	650	2x [800-1300]	1600	1040	940	320	296	157/245	240x400	200	215	3A

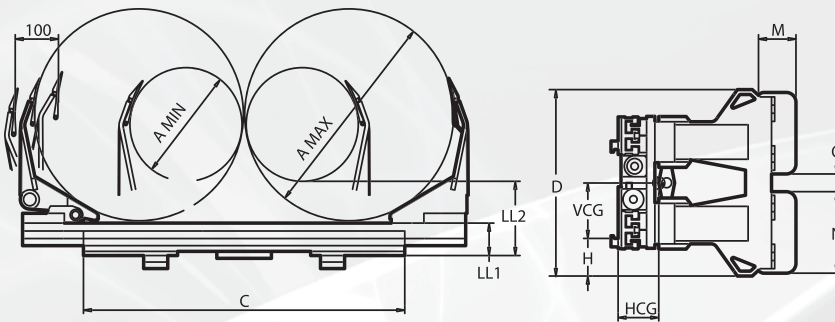
Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

External sideshift and independent arm movement are available on request. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on request. Please see page 1-40.



Paper Roll Clamps - non-rotating

Models B-RJ

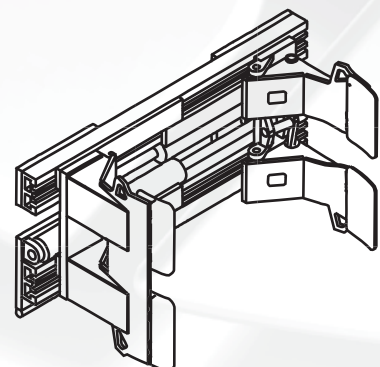


- Designed for handling 1-4 rolls at a time.
- Equal long arms. Parallel arm movement.
- Split left arm compensates for roll diameter differences.
- Non-rotating.
- Aluminum-profile frame.
- Built-in sideshift improves handling.

Model	Capacity	Load Center	Roll Range	Frame Width	Height	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>A</i> mm	<i>C</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>M x N</i> mm	<i>O</i> mm	<i>H</i> mm	<i>ISO</i> 2328
B-300-RJ	3000	550	2x [800-1100]	1400	1040	860	305	296	157/245	240x400	200	215	3A
B-300-LRJ	3000	650	2x [800-1300]	1600	1040	960	325	296	157/245	240x400	200	215	3A

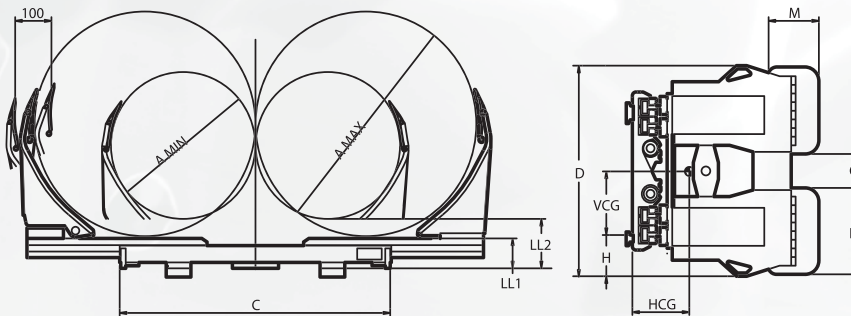
Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

External sideshift and independent arm movement are available on request. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on request. Please see page 1-40.



Paper Roll Clamps - non-rotating

Models BA-RJ

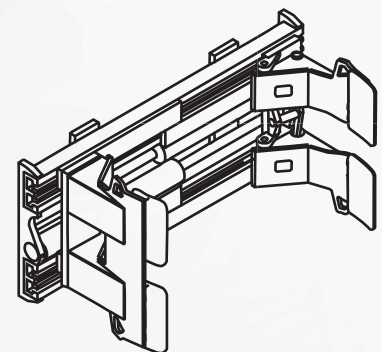


- Designed for handling 1-4 rolls at a time.
- Equal long arms. Parallel arm movement.
- Split left arm compensates for roll diameter differences.
- Steel profile frame, strong T-profile arm carriers.
- Non-rotating.
- Built-in sideshift improves handling.

Model	Capacity	Load Center	Roll Range	Frame Width	Height	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i> kg	<i>BP</i> mm	<i>A</i> mm	<i>C</i> mm	<i>D</i> mm	<i>W</i> kg	<i>HCG</i> mm	<i>VCG</i> mm	<i>LL</i> mm	<i>M x N</i> mm	<i>O</i> mm	<i>H</i> mm	<i>ISO</i> 2328
BA-50-RJ	5000	650	2x [915-1300]	1600	1240	1610	255	354	200/380	280x500	200	230	4A
BA-50-LRJ	5000	675	2x [850-1350]	1600	1240	1630	260	354	200/380	280x500	200	230	4A

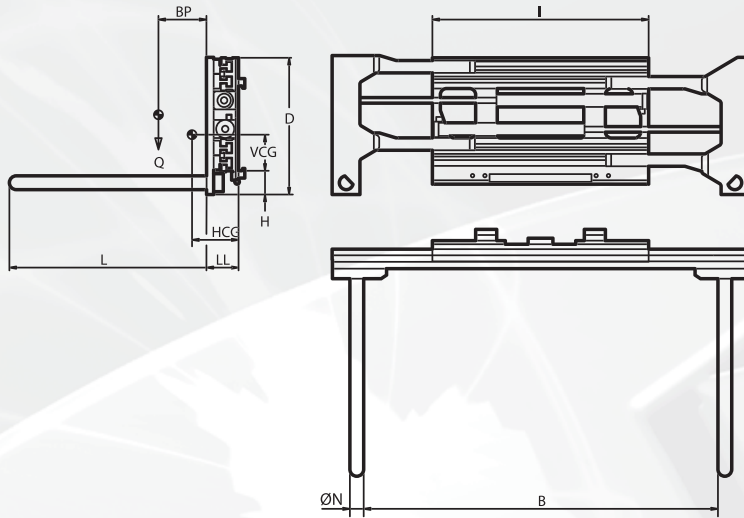
Two hydraulic functions. See page 1-37 for hydraulic pressure and flow rate recommendations. Special roll ranges on request.

External sideshift and independent arm movement are available on request. Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on request. Please see page 1-40. Fixed center arm and two moveable split arms available on request. Consult Bolzoni Auramo.



Tine Clamps

Models B-TA / BA-TA



- Non-rotating clamp designed for Paper Roll handling in the bilge position.
- Bolted arms (tines)
- Built-in sideshift improves handling.

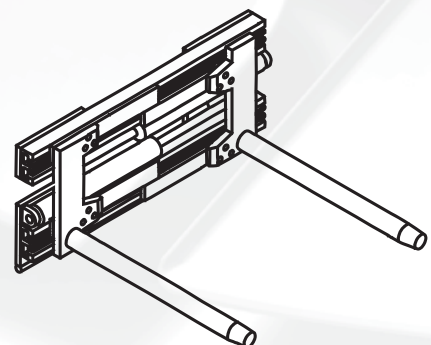
Model	Code	Capacity	Load Center		Opening Range	Tines	Frame Width	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Mounting Height	Mounting Class
		Q kg	BP mm	A mm	LxN mm	I mm	W kg	HCG mm	VCG mm	LL mm	H mm	ISO 2328	
B-320TA	22MH1	2000	1100	300-1650	2200x98	1100	830	480	①	227	205	3A	
B-400TA	22RH1	2900	1100	300-1900	2200x110	1400	1220	470	①	247	240	3A/4A	
BA-50TA	22RJ1	4500	1100	450-2200	2200x140	1400	1550	560	①	260	240	4A	

Two hydraulic functions. Special opening ranges on request. Independent arm movement on request.

B-Series: Aluminum-profile frame. BA-Series: Steel-profile frame, strong T-profile arm carriers.

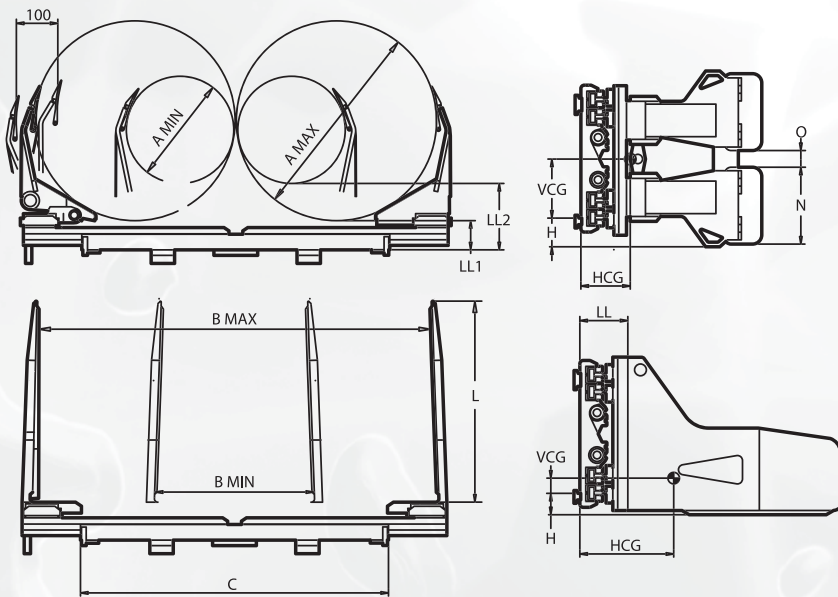
Opening range is measured between tines.

① Consult Bolzoni Auramo regarding specifications.



Paper Roll/Pulp-bale Clamps

Model B-M / BA-M



- Multi-function clamp designed for handling 1 - 4 paper rolls or 1 - 3 pulp-bale units.
- Equal long roll arms. Parallel arm movement. Self adjusting split left arm on BA series.
- Pulp-bale arms 1200 or 1400 mm long. Left arm is pivoted on BA series. Thin arm design.
- Easy and fast arm change.
- Built-in sideshift improves handling.
- Non-rotating.

Model	Capacity	Load Center	Roll Range	Frame Width	Weight	Center of Gravity Horizontal	Center of Gravity Vertical	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	kg	mm	A mm	C mm	kg	HCG mm	VCG mm	LL mm	M x N mm	O mm	H mm	ISO 2328
B-400MJ												
Roll Arms	3000	550	2x(800-1110)	1400	1050	325	①	235/320	240x400	200	74	3A
Bale Arms	② 4000	600	820-2620		1090	405		265				
B-400MJ												
Roll Arms	3000	660	2x(800-1270)	1600	1110	325	①	235/320	240x400	200	74	3A
Bale Arms	② 4000	600	820-2620		1120	405		265				
BA-50MJ												
Roll Arms	5000	750	2x [850-1300]	1600	1770	280	①	240/350	280x500	200	64	4A
Bale Arms	③ 5000	750	740-2620		1775	325		285				

Two hydraulic functions. Special roll ranges on request. Independent arm movement on request.

Standard contact pads: cast pad with high-friction surface. Contact pad options: steel-sprayed surface, polyurethane-faced, rubber-faced or flexible. Full-length contact pads available on request.

Please see page 1-40.

Other bale arm sizes available on request. Forks available on request.

B-Series: Aluminum-profile frame. BA-Series: Steel-profile frame, strong T-profile arm carriers.

① Consult Bolzoni Auramo regarding specifications.

② Arm length : 1200 mm

③ Arm length : 1400 mm

Paper Roll Clamps

Intelligent Paper Roll Clamps – Series CTX G3

Invented by Bolzoni Auramo - and now completely re-designed: the new generation of Bolzoni Auramo's CTX series intelligent clamps combines more than 10 year intelligent clamp experience with the latest paper handling technology.

The CTX-G3 intelligent clamps use the latest microprocessor technology to control the clamp operation.

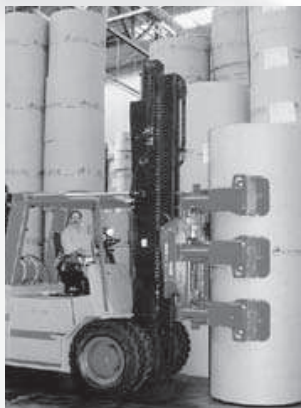


The CTX G3 series paper roll clamps enable safe, non-damaging and effective paper roll handling – also with sensitive paper grades.



- Automatic clamping force control.
- Minimized clamping force, regardless of paper roll size, weight, wrapper properties or handling conditions.
- Eliminates the risk of out-of-round paper rolls.
- Collects handling data in a history file.
- Has user-friendly visual display unit.
- Modular design fits to different lift truck and application requirements.
- Easier and faster to install.
- Can be directly connected to CAN-bus compatible lift trucks.
- Can be directly connected to paper roll identification systems.

The CTX control technology is available for most of the Bolzoni Auramo pivot-arm paper roll clamp models. Multiple-arm intelligent clamp applications are possible as well (for example: A and LA series clamps).

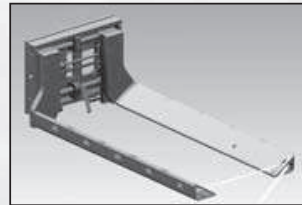


Special Clamps for Paper Handling

Bolzoni Auramo is the paper handling specialist. Enclosed photos show just some examples of custom-made equipment previously delivered for more effective paper handling. Contact your nearest Bolzoni Auramo representative for further information about our specialized paper handling products.

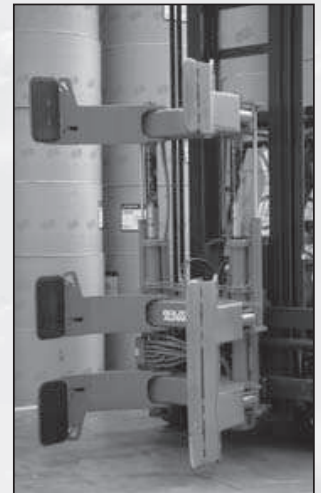
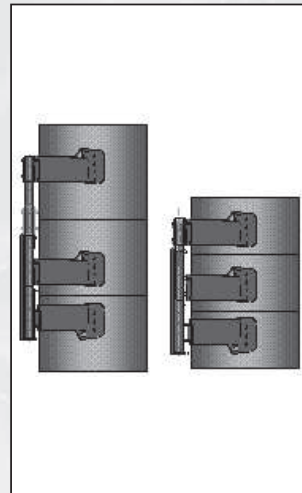
Roll clamps designed for AGV (Automatic Guide System) applications

- In close cooperation with the costumers we have built up an experience in efficient material handling with AGVs.



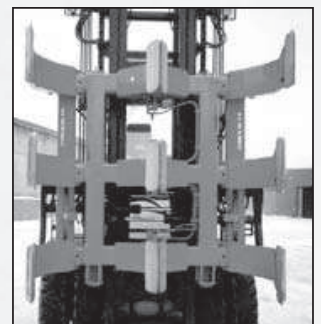
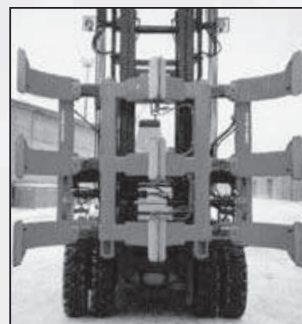
Series A-N-3V paper roll clamp with hydraulically adjustable upper frame height

- Safe and effective handling of 1 – 3 paper rolls with varying paper roll and roll stack heights.



Series LA-E paper roll clamp with hydraulically adjustable frame width

- Optimized frame width and arm position with varying paper roll diameters.



Paper Roll Handling

Paper Roll Damage Reduction Equipment

Bolzoni Auramo offers a wide variety of products and accessories for safer and non-damaging paper roll handling. We also offer products and services for quality control of the paper transport chain.



Paper roll clamp pressure selection valves and pressure indication lights for easy clamping force control.



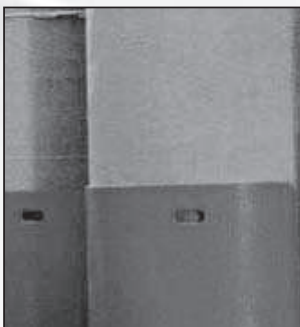
Chain slack prevention valve for reduction of paper roll damages.



Clamping force testing devices for testing and adjusting the paper roll clamp operation.



Paper roll measuring devices for transport and handling quality control.



Protective devices for in-house paper roll damage prevention.

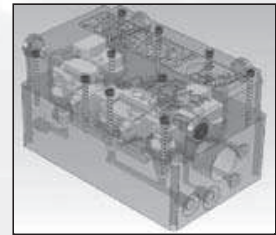


Contact Bolzoni Auramo for Handling Manuals and User Training.

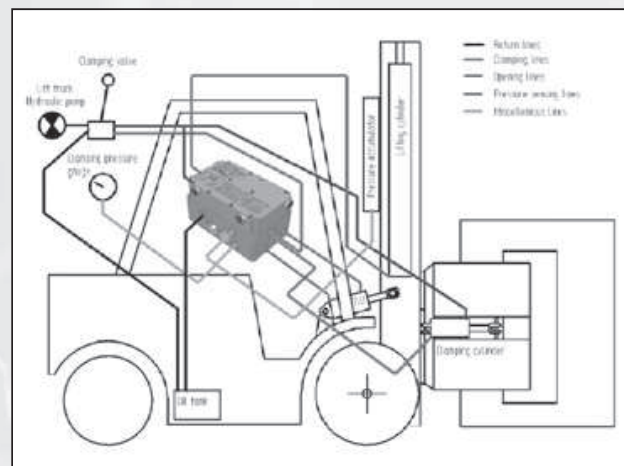
Paper Roll Clamps

Fully Mechanical Pressure Control Force-Matic

The Bolzoni Auramo Force-Matic is an innovative, fully mechanical, proportional pressure control system designed specifically for clamp equipped lift-trucks. Force-Matic is an effective system designed to prevent over clamping causing paper roll out of roundness.



One of the system's most interesting features is its ability to sense the weight of the load from two different sources and compute the best possible clamping pressure. The valve works basically a mechanical calculator which continuously adjusts the clamping pressure as a function of three measured hydraulic pressures (lifting and two sides of the tilting cylinder). Installation and adjustments are quite straightforward and can be done using normal tools.



Force-Matic main features:

- Effective pressure control device
- Prevent paper roll deformation by adjusting the clamping pressure according to the roll's weight
- Fully mechanical, no electrical connections required
- Wide adjustability range to be used to most truck-clamp combinations
- Heavy duty aluminium construction
- Built around standard hydraulic components
- Easy installation
- Virtually maintenance free.



Paper Roll Clamps

Technical Information

Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Rotator		
	Minimum l/min	Recommended l/min	Maximum l/min	Minimum l/min	Recommended l/min	Maximum l/min
AM-13RF/RH ... AM-18RF/RH	20	35	40	20	35	40
AR-22RH/RJ	30	35	40	20	30	40
AR-25RH/RJ	30	35	40	20	30	40
AR-30RH/RJ	40	45	50	20	30	40
AR-33RH/RJ	40	45	50	20	30	40
AR-37RH/RJ	40	45	50	20	40	50
AR-40RH/RJ	40	50	60	40	50	60
AR-45RH/RJ	40	50	60	40	50	60
AR-53RH/RJ	50	60	70	50	60	70
AR-60RH/RJ	50	60	70	50	60	70
RA-180-N(J)	30	35	40	30	35	40
RA-500-NL(J) ... RA-700-N(J)	70	80	90	70	80	90
RA-350-NJ-3 ... RA-450-NJ-3	50	60	70	50	60	70
RA-550-NJ-3 ... RA-600-NJ-3	70	80	90	70	80	90
RA-580-NJ-4 ... RA-600-NJ-4	50	60	70	50	60	70
RA-700-NJ-4 ... RA-800-NJ-4	70	80	90	70	80	90
RA-XXXNT	X	X	X	X	X	X
CTXR-XX	X	X	X	X	X	X
TA-XXX-XX, TRA-XXX-XX	X	X	X	X	X	X
A-XXX-XX, A-XXX-XX-3	X	X	X	-	-	-
LA-XXX-4, LA-XXX-6	X	X	X	-	-	-
B-20RH/J	30	40	50	30	40	50
B-25RH/J	30	40	50	30	40	50
B-32RH/J	40	50	60	40	50	60
B-3X0-XX	50	55	60	-	-	-
B-400-XX	50	55	60	-	-	-
BA-50-XX	60	70	80	-	-	-

X Consult Bolzoni Auramo for specifications

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Clamping Connection	Rotation Pressure		Rotation Connection	Hydraulic Functions
	Minimum MPa	Maximum MPa	Pressure, Max MPa	Minimum MPa	Maximum MPa	Pressure, Max MPa	
AM-13RF/RH ... AM-18RF/RH	X	16,0	16,0	10,0	12,0	25,0	2
AR-22RH/RJ	X	16,0	18,0	10,0	16,0	18,0	2
AR-25RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-30RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-33RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-37RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-40RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-45RH/RJ	X	16,0	21,0	10,0	16,0	21,0	2
AR-53RH/RJ	X	16,0	21,0	10,0	16,0	18,0	2
AR-60RH/RJ	X	16,0	21,0	10,0	16,0	18,0	2
RA-180-N(J)	X	16,0	18,0	10,0	16,0	18,0	2
RA-500-NL(J) ... RA-700-N(J)	X	16,0	18,0	10,0	16,0	18,0	2
RA-350-NJ-3 ... RA-450-NJ-3	X	16,0	18,0	10,0	16,0	18,0	2
RA-550-NJ-3 ... RA-600-NJ-3	X	16,0	18,0	10,0	16,0	18,0	2
RA-580-NJ-4 ... RA-600-NJ-4	X	16,0	18,0	10,0	16,0	18,0	2
RA-700-NJ-4 ... RA-800-NJ-4	X	16,0	18,0	10,0	16,0	18,0	2
RA-XXXNT	X	X	X	X	X	X	2
CTXR-XX	X	X	X	X	X	X	2
TA-XXX-XX, TRA-XXX-XX	X	X	X	X	X	X	2/3
A-XXX-XX, A-XXX-XX-3	X	-	X	-	-	-	1
LA-XXX-4, LA-XXX-6	X	-	X	-	-	-	1/2
B-3X0-XX	X	16,0	18,0	-	-	-	2
B-400-XX	X	16,0	18,0	-	-	-	2
BA-50-XX	X	16,0	18,0	-	-	-	2

X Consult Bolzoni Auramo for specifications

Standard mountings

The standard mounting for all Bolzoni Auramo attachments is an ISO 2328 class 2A/3A/4A mounting. See also specification pages. Standard mounting angle is 0°.

Mounting options

Non-standard or special mountings are not included in the attachment price. Please note that special mountings are not available for all clamp series. Consult Bolzoni Auramo. All mounting prices are add-on prices.

For non-standard mounting, detailed information is required from customer.

ISO 2328 Mounting , Class B

Model

ISO 2328 2B

ISO 2328 3B

ISO 2328 4B

Quick-Change ISO 2328 Mountings

Lower mounting hooks can be opened by hand.

Model

ISO 2328 2

ISO 2328 3

ISO 2328 4

Dual-Hook ISO 2328 Mounting

Enables the clamp to be mounted on two different sized ISO 2328 carriages. Consult Bolzoni Auramo for product availability.

Also available with quick-change lower hooks.

Model

ISO 2328 2A/3A

ISO 2328 3A/4A

ISO 2328 2A/3A (QC)

ISO 2328 3A/4A (QC)

ISO 2328 Adapter Plates

Adapter plates for ISO 2328 B-type mounting. Adapter plates for changing the mounting class.

Model

On request

Pin-Type Mounting

Model	Lift truck capacity
On request	up to 7500 kg
On request	over 7500 kg

Terminal West mounting

Model

On request

Integral mounting

Model

On request

Wheel loader mountings

Mounting adapters for Wheel loader use.

Model

On request

Spacer

A spacer is a fixed load extender that is attached between the clamp and the lift truck carriage. Several models with different extensions and capacities are available.

Model

On request

Separate sideshifting mounting

Model

AM-13 ISO 2328/2A

AM-18 ISO 2328/2A

Paper Roll Clamps

Accessories and Options, Hydraulic Options

Installation kit

For two hydraulic functions (standard fittings)
An installation kit for two hydraulic functions contains 4 hoses with standard fittings. Length of the hoses is 600 mm. Other hose sizes and lengths are available on request.

<i>Number</i>
12 L
15 L

Four-stage pressure-relief valve (manually controlled)

Manually controlled four-stage pressure relief valve. Specially recommended to be used in combination with paper roll clamps. Adjustable pressure settings. Consult Bolzoni Auramo for technical specifications.

<i>Number</i>	<i>Oil flow range</i>
On request	25 – 80 l/min

Four-stage pressure-relief valve (electrically controlled)

Electrically controlled four-stage pressure relief valve. Easy clamping pressure selection from the lift truck cabin. Specially recommended to be used in combination with paper roll clamps. Adjustable pressure setting.

<i>Number</i>	<i>Oil flow range</i>	<i>Voltage</i>
426778.12	20 – 120 l/min	12 Volt DC
426778.24	20 – 120 l/min	24 Volt DC
426779.12	20 – 240 l/min	12 Volt DC
426779.24	20 – 240 l/min	24 Volt DC

Pressure-control lights

To be used in combination with electrically controlled four-stage pressure relief valve. Lights in the light tower indicate the selected pressure setting..

<i>Number</i>	<i>Operation voltage</i>
420565.12	12 Volt DC
420565.24	24 Volt DC

Pressure-relief valve

Limits the rotation pressure of 180-degree rotating paper roll clamps. Suitable for following clamp models: RA-N / RA-NJ / CTXR / TRA-N / TRA-NJ.

<i>Number</i>
On request

Chain slack prevention valve

The chain slack prevention valve reduces paper roll damage by stopping the downwards lift mast movement immediately when the load is lowered down. Extra slack in the mast chains will not cause the paper roll clamp to drop downwards when the clamp arms are opened.

<i>Number</i>	<i>Oil flow range</i>
CSPV05	20 – 150 l/min

Solenoid valve (2 functions)

12 / 24 VDC (without cable reel, cable and operator control knob).

<i>Number</i>
On request

Control knob

<i>Number</i>
On request

Pressure Gauge

<i>Number</i>
On request

Paper Roll Clamps

Options and Accessories, Contact Pads

Contact pads are the most important part of the clamp attachment. In most normal handling situations, the pads are the only parts of the clamp which actually are in contact with the paper roll. Therefore, Bolzoni Auramo has paid special attention in designing and manufacturing contact pads which will ensure a safe and non-damaging roll handling.

All Bolzoni Auramo contact pads have the following properties in common:

- Thin pad design. The minimized pad thickness ensures good kniving properties when handling tightly stacked rolls.
- Smooth pad profile and safe finish. The pads have no protruding parts or edges to damage the adjacent paper rolls.

Cast Pads

The cast contact pads are the standard pads of several Bolzoni Auramo roll clamp models. Cast pads are good all-round pads that are at their best with softer paper grades.



Steel-Sprayed Pads

The steel-sprayed contact pads are available as optional pads for all Bolzoni Auramo roll clamp attachments. They are also used as standard pads on some roll clamp models. See also the model specifications. Steel-sprayed pads are good all-round pads for all paper grades.



Rubber-Faced Pads

The rubber-faced contact pads are available as optional pads for all Bolzoni Auramo roll clamp attachments. They are also used as standard pads on some roll clamp models. See also the model specifications. The upper, lower and front edges of the rubber are sunken to the pad base plate and thus the edges of the rubber are well protected against mechanical wear. Rubber-faced pads are good all-round pads for all paper grades.



Polyurethane-Faced Pads

The polyurethane-faced contact pads are available as optional pads for many Bolzoni Auramo roll clamp attachments.

The friction surface of these pads is formed by molding liquid polyurethane solution onto the pad plate. The result is a non-marking friction surface with relatively good friction properties.



Flexible Contact Pads

A flexible contact pad can adjust into varying roll diameters. A rubber-faced stainless steel band is pressed towards the paper roll. The pad design allows the band to adjust to the roll diameter.

Tissue Paper Roll Pads

The standard contact pad for tissue roll clamps is an oversized rubber-faced pad. The tissue pads can also be delivered without any friction surface. If the paper roll is very soft, the upper and lower edges of the tissue pads can optionally be strongly chamfered in order to prevent the pad edges from cutting into the paper roll. Special pad sizes are available on request.

Special Contact Pads

Bolzoni Auramo manufactures a great variety of different contact pads. Special pad models and friction surfaces are available on request.

Contact Pads - Prices

All contact pad prices are add-on prices and are valid only with the original factory delivery of the clamp attachment. A detailed technical description is required from the customer for special or modified contact pads.

Optional contact pad friction surfaces:

For standard rotating and non-rotating paper roll clamps. Please note that the prices are not valid for multi-roll paper roll clamps (Series LA-4, LA-6 clamps). Consult Bolzoni Auramo for further info and pricing regarding these models.

Model

Steel-Sprayed

Rubber-Faced

- Smooth surface, black rubber

- Wafler surface, black rubber

- Wafler surface, white rubber

Polyurethane-Faced

Rubber-faced, Flexible Pads

Special Pad Surfaces