

MERLO ATTACHMENTS





Merlo carriages

ZM2 carriage

CARRIAGE MODEL	WIDTH (mm)	HEIGHT (mm)	MAX. CAPACITY (kg)
ZM2	1190	381	2500/4500



ZM3 - ZM3 3TL* carriage

CARRIAGE MODEL	WIDTH (mm)	HEIGHT (mm)	MAX. CAPACITY (kg)
ZM3	1190	706	4500/7500
ZM3 3TL	1190	706	4500/7500

*Triple Tac-Lock

ZM4 carriage

CARRIAGE MODEL	WIDTH (mm)	HEIGHT (mm)	MAX. CAPACITY (kg)
ZM4	1360	948	8000/12000

ZM4 XL carriage

CARRIAGE MODEL	WIDTH (mm)	HEIGHT (mm)	MAX. CAPACITY (kg)	
ZM4 XL	2315	948	8000/12000	



Tac-lock

Tac-Lock: hydraulic attachment clamping system from the cab



Standard Tac-lock



Triple Tac-Lock



ZM4 Tac-Lock

Merlo precision and technology

Dynamic load control

For the Merlo Group, safety is an absolute value: this is why the exclusive new generation Merlo C.D.C. (Dynamic Load Control) system has been designed. The purpose of this technology is to allow the operator to work in total safety, making the most of the telescopic handler's potential and the attachment used.

Automatic recognition of the attachment







Sensor on the carriage

The Merlo CDC system allows the telehandler:

- to recognise the mounted attachment by automatically calibrating the vehicle's behaviour and reaction parameters. Thanks to specific load diagrams, the Merlo CDC system is therefore able to maximise machine stability and adapt boom movements to the specific working situation;
- to analyse the values received from the load sensor, by determining, in real time, the actual capacity of the machine.

The operator can check the dynamic balance of the machine at any time, thanks to the traffic light on the front upright. In the case of manoeuvres that could jeopardise the stability of the telehandler, the Merlo CDC system will block the boom and prevent further movements that could compromise the safety of the operator and the vehicle.

Once the attachment family has been selected, the CDC system will determine the appropriate load diagram for the specific machine/ attachment configuration.

For works with bucket, the EN15000 standard allows the intervention limits of the safety systems to be modified in order to allow smoother and simpler working. The Merlo CDC system with retracted and low boom will therefore have working parameters that will allow more efficient work, guaranteeing smoother movements than those before the introduction of the CDC system.

All information is displayed on the LCD screen, allowing the operator to use the telescopic handler simply and safely.

The system is able to recognise all the attachments produced by TreEmme.



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Merlo forks, fork carriers

Standard forks

	LES EF.	ZM	WEIGHT (kg)	LENGTH (mm)	MAX. CAPACITY (kg)
PAIR	SINGLE		SINGLE	SINGLE	SINGLE
A0300	A0300.1	ZM2	77	1200	1750
A0301	A0301.1	ZM2	85	1200	2250
A0302	A0302.1	ZM3	143	1200	3000
A0304	A0304.1	ZM2	87	1200	2250
A0305	A0305.1	ZM4	290	1800	5000/6000
A0306	A0306.1	ZM3	190	1200	3750
A0311	A0311.1	ZM2	87	1200	2250
A0322	A0322.1	ZM4	288	1800	5000
A0323	A0323.1	ZM3	141	1200	3750



Extra long forks carriage

SALES REF.	ZM	WEIGHT (kg)	WIDTH (mm)	LENGTH (mm) SINGLE	MAX. CAPACITY (kg)
A0606	ZM2	420	1200	2400	1800
A0605	ZM2	410	1200	2000	2200
A0608	ZM3	640	1210	2400	2700
A0607	ZM3	580	1210	2000	3200



Carriage with floating forks

SALES REF.	ZM	WEIGHT (kg)	WIDTH (mm)	MAX. CAPACITY (kg)
A0271	ZM2	315	1200	4500
A0291	ZM2	290	1200	4000
A0292	ZM2	305	1200	4000
A0298	ZM3	470	1200	7500



*Approved for road use

FEM forks, fork carriers FEM forks

	LES EF.	FEM ATTACH.	WEIGHT (kg)	LENGTH (mm)	MAX. CAPACITY (kg)
PAIR	SINGLE		SINGLE	SINGLE	SINGLE
A0500	A0500.1		83	1200	2150
A0520	A0520.1	IV	130	1200	3000
A0524	A0524.1	IV	162	1200	3600
A0525	A0525.1	IV	260	1200	3750



FEM forks, fork carriers

FEM forks carriage

SALES REF.	FEM ATTACH.	ZM	WEIGHT (kg)	WIDTH (mm)	MAX. CAPACITY (kg)
A0200	III	ZM2	145	1500	4500
A0201	III	ZM2	156	1500	4500
A0230	IV	ZM3	310	1500	7500
A0240	IV	ZM3	353	1800	6000



Rotating fork carriage

SALES REF.	FEM ATTACH.	ZM	WEIGHT (kg)	WIDTH (mm)	ROTATION MOVEMENT (°)	MAX. CAPACITY (kg)
A3210	III	ZM2	547	1200	360	3500
A3211	IV	ZM3	1015	1750	360	5000
A3212	III	ZM2	450	1000	360	2000
A3213	III	ZM2	490	1150	360	2900
A3214	IV	ZM3	885	1750	360	5500
A3217	II	2	200	1200	360	2800



Forks sideshifter on standard carriage

SALES REF.	FEM ATTACH.	ZM	WEIGHT (kg)	WIDTH (mm)	TRANSLATION MOVEMENT (mm)	MAX. CAPACITY (kg)
A0281	III	ZM2	410	1355	+/- 154	4000
A0282	III	ZM2	380	1355	+/- 154	4000
A0283	IV	ZM3	560	1355	+/- 154	7000



Legend

ABBREVIATIONS					SYMBOLS			
COMPACT	COMP	STABILIZED	STAB		**		•	applicable
MEDIUM CAPACITY	МС	HIGH CAPACITY	HC	AGRICULTURE	9 (9	INDUSTRY	-	not applicab
TRACTOR	MF	ROTO	ROTO	BUILDING		ECOLOGY		

WARNING!: This information is by way of example only and does not in any way authorize the combination of the attachment to the machine model cited. Consult the use and maintenance manual of the handler for the list of authorized attachments.



Ideal attachment for handling suspended overhanging loads

FEATURES

- ✓ *Type-approved safety hook fitted with safety tang slewing over 360*°.
- ✓ Ideal for handling suspended loads
- ✓ Load limiter fitted as standard
- ✓ Sturdy structure



IAL				5.		MACHINE RANGE						
COMMERCIAL Ref. CODE	WEIGHT (kg)	WIDTH (mm)	LENGTH** (mm)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO		
A1118B	125	495	1335	2200	•	•	•	•	-	•		
A1119B	190	550	1340	3500	-	-	-	-	•	•		
A1129B	415	570	1780	6000	-	-	-	-	•	-		
A1110B*	125	495	1340	2000	-	\bullet	-	\bullet	-	-		
A1111B*	190	550	1340	3500	_	-	_	_	\bullet	_		

*Lowered

**carriage – hook centre distance

REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-



Attachment designed for handling suspended overhanging loads

FEATURES

- \checkmark Type-approved safety hook fitted with safety tang slewing over 360°.
- ✓ Ideal for handling suspended loads
- ✓ Load limiter fitted as standard
- ✓ Extendable boom (725 mm)



IAL				V	MACHINE RANGE						
COMMERC REF. CODE	WEIGHT (kg)	WIDTH (mm)	LENGTH* (mm)	MAXIMUN CAPACITY (kg)	СОМР	МС	MF	STAB	НС	ROTO	
A1124B	125	500	1340	1500	•	-	_	-	-	-	

*carriage – hook centre distance

REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-



Ideal for lifting, transport and positioning of suspended loads

FEATURES

- ✓ High stiffness, low-.weight trellis structure
- ✓ Type-approved safety hook fitted with safety tang slewing over 360°.
- \checkmark Load limiter fitted as standard
- ✓ Available in various lengths



IAL				5.	MACHINE RANGE						
COMMERCIAL Ref. Code	WEIGHT (kg)	WIDTH (mm)	LENGTH* (mm)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO	
A1230B	125	400	3225	400	•	-	-	_	-	-	
A1200B	112	400	3225	600	\bullet	\bullet	•	\bullet	-	•	
A1220B	148	450	3710	900	-	-	-	-	•	lacksquare	
A1210B	120	440	1910	1500	•	\bullet	•	•	-	•	

*carriage – hook centre distance

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Fly jib transport equipment	-



Attachment designed for lifting and handling suspended loads

FEATURES

- ✓ Ideal for the construction and industry sectors
- ✓ Type-approved safety hook fitted with safety tang slewing over 360°.
- ✓ *Compact attachment*
- ✓ Possibility of reaching the machine's maximum capacity



E E			5.	MACHINE RANGE					
COMMERC Ref. CODI	WEIGHT (kg)	LENGTH* (mm)	MAXIMUN CAPACITY (kg)	СОМР	MC	MF	STAB	HC	ROTO
A1000	100	560	5000	•	•	•	•	-	•
A1001	148	560	7500	-	-	-	-	\bullet	•
A1003	320	675	12000	-	-	-	-	ullet	-

*carriage – hook centre distance

REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-



😴 Hydraulic winch on carriage

Attachment designed for lifting suspended loads

FEATURES

- ✓ Fitted with an idler system to ensure cable-drum adherence
- \checkmark Support available for transporting a winch on the machine (only for certain models - optional)
- ✓ Hook speed between 28 and 11 m/min
- ✓ *Simplified maintenance*



EIAL			¥	¥ ×								
COMMERCIAL Ref. Code	WEIGHT (kg)	MIDTH (mm)	MAX HOOK TRAVEL (m)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO		
A2766	575	1230	35	4500	-	-	-	•	-	•		
A2765	575	1230	35	4000	-	\bullet	\bullet	•	\bullet	•		
A2768	575	1230	24/16*	4000/6000*	-	-	-	-	\bullet	•		
A2769	600	1230	35-24*	4500-6750*	-	-	-	-	\bullet	•		
A2772B	680	1200	13	10000	-	-	-	-	\bullet	-		

* Pulling force with double/Pulling force with triple

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Winch transport equipment (only for certain machine models)	-



🛟 🔁 式 Drum clamp

Attachment for pick-up and handling of drums and similar materials

- ✓ Ideal for every kind of industrial sector
- ✓ 360° rotary clamp
- ✓ Handling of drums measuring 600 to 700 mm in diameter
- \checkmark Easy to use





REQUIREMENTS	OPTIONS	LIMITATIONS
Pre-arrangement for 2-function attachment	-	-



Platform designed for safe lifting of 2 people

- ✓ Maximum safety
- ✓ Non-slip floor
- ✓ Easy access to work level
- ✓ Equipped with a load-sensing device with pre-alarm and alarm



CIAL			5.		MACHINE	RANGE	1	1		1
COMMERC REF. CODI	WEIGHT (kg)	WIDTH (mm)	MAXIMUM CAPACITY (kg)	PERSON	СОМР	МС	MF	STAB	HC	ROTO
A1745.1	230	1200	200	2	•	-	-	-	-	-
A1746.1	230	1200	300	2	-	-	-	•	-	-
A1755.1	225	1200	300	2	-	-	-	-	ullet	-

REQUIREMENTS	OPTIONS	LIMITATIONS
Provision for platform	-	not compatible with radial wheels. The combination of an overhead working platform to a machine must be expressly authorized by Merlo SPA



Fixed width slewing platform

Platform designed for safe lifting of two/three people

- ✓ Hydraulically operated platform side rotation
- ✓ Equipped with control panel for managing machine and attachment movements
- ✓ Easy access to the platform area
- ✓ Version available with upper guard



IAL			V		MACHINE	RANGE				
COMMERCI REF. CODE	WEIGHT (kg)	WIDTH (mm)	MAXIMUN CAPACITY (kg)	PERSON	СОМР	MC	MF	STAB	HC	ROTO
A1747.1	400	2300	300	3	-	-	-	•	-	-
A1756.1	410	2300	300	3	-	-	-	\bullet	•	-

REQUIREMENTS	OPTIONS	LIMITATIONS
Provision for platform	-	The combination of an overhead working platform to a machine must be expressly authorized by Merlo SPA



Designed to mix and handle concrete having a maximum density of 2.500 kg/m³

FEATURES

✓ Hydraulic hatch opening and closing, even with radio control

- ✓ Hydraulic control of propeller protective grid, with automatic closure device
- ✓ Wear resistant, replaceable steel propellers
- ✓ *Rotating chute for delivering concrete*



IAL				5.	MACHINE	RANGE				
COMMERCIAL Ref. CODE	WEIGHT (kg)	WIDTH (mm)	LOAD CAPACITY (1)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
A1565	690	1060	350	875	-	-	-	•	-	-
A1570	750	1710	500	1250	-	-	-	•	\bullet	-
A1580	880	2225	750	1875	-	-	-	-	-	-

REQUIREMENTS	OPTIONS	LIMITATIONS
Pre-arrangement for mixing bucket	Extension chute (1.5m), unload hose (1,5m), radio control	-



Extensible Slewing platform

Platform designed for safe lifting of two/three people

- ✓ Lightweight structure to provide larger work area
- ✓ Hydraulically operated platform side rotation
- ✓ Manual opening of the two extending structures, performed from inside and at height
- ✓ Load limiter fitted as standard





REQUIREMENTS	OPTIONS	LIMITATIONS
Provision for platform	-	The combination of an overhead working platform to a machine must be expressly authorized by Merlo SPA



Slewing platform with protection hood

Framework made from hollowed sections, with anti-slip aluminium sheet flooring.

- ✓ Hydraulically-controlled sideways slewing.
- ✓ Tilting protective hood with anti-collision device.
- \checkmark Automatic load limiter, that locks movements in case of overload.
- \checkmark Fixed to the carriage by means of a safety bolt.



IAL			×.		MACHINE	RANGE				
COMMERC REF. CODE	WEIGHT (kg)	WIDTH (mm)	MAXIMUN CAPACITY (kg)	PERSON	СОМР	MC	MF	STAB	HC	ROTO
A1749.1	465	2300	300	3	-	-	-	٠	-	-
A1757.1	465	2300	300	3	-	-	-	-	•	-

REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-



 😻 Digging bucket

Ideal for excavation and handling of material with a maximum density of 2.250 kg/m³

- ✓ Monocoque body for better resistance
- ✓ Delivered with front cutter protection for on-road circulation
- ✓ Bucket loader cutter and wear blade with hardness 530HB
- ✓ Side reinforcement cutters



EIN			*	Z.	MACHINE	RANGE		1		1
COMMERCIAL REF. CODE	WEIGHT (kg)	WIDTH (mm)	CAPACITY* (I)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
A0699	300	1840	550	1250	•	-	-	-	-	-
A0700	360	2000	800	1800	•	-	-	-	-	•
A0701	400	2240	900	2025	•	•	•	•	-	•
A0707	400	2440	1000	2250	-	-	-	-	lacksquare	•
A0704**	565	2440	1200	2700	-	-	-	-	ullet	•
A0703	910	2440	1800	4050	-	-	-	-	•	-
*heaped full cap	acity **triple	Tac-Lock								

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Teeth, Blade wear	-



🛟 式 😻 Rehandling bucket

Bucket designed to handle materials having a maximum density of 1.800 kg/m³

FEATURES

- \checkmark Suitable for levelling, shifting and handling
- ✓ Monocoque body with external reinforcements for better resistance
- ✓ Delivered with front cutter protection for on-road circulation
- ✓ Bucket loader cutter and wear blade with hardness 530HB



IAL			*	5.	MACHINE	RANGE				
COMMERCIAL Ref. CODE	WEIGHT (kg)	WIDTH (mm)	CAPACITY* (I)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
A0710	390	2240	1250	2250	•	•	•	•	-	•
A0712	410	2400	1350	2430	•	•	•	•	-	•
A0715	400	2240	1250	1800	-	•	•	\bullet	-	-
A0717	710	2500	1800	3240	-	-	-	-	•	•

*heaped full capacity

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Teeth, Blade wear	-



🛟 式 😻 Bulk Material Bucket

Bucket designed to handle bulk materials having a maximum density of 900 kg/m³

FEATURES

- ✓ Ideal for bulk materials
- ✓ Monocoque body with external reinforcements for better resistance
- ✓ Sides with steel ribbing
- ✓ Wear blade with double bolted bevel available



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COMMER- CIAL REF. CODE	WEIGHT (kg)	WIDTH (mm)	CAPACITY* (I)	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
A0713	435	2000	1700	1530	•	-	-	-	-	-
A0714	485	2240	1800	1620	•	•	•	\bullet	-	•
A0720	490	2400	2000	1800	•	•	ullet	ullet	-	•
A0721	510	2400	2000	1800	-	-	-	-	•	•
A0780	605	2400	2500	2250	•	•	ullet	ullet	-	ullet
A0781**	740	2500	2500	2250	-	-	-	-	•	•
R2200**	890	2500	3000	2700	-	-	-	-	•	ullet
A0785	1050	2500	3500	3150	-	-	-	-	•	-
A0786	1400	2500	5000	4500	-	-	-	-	•	-

*heaped full capacity **triple Tac-Lock

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Blade wear	-



🛟 🔫 🚧 Multipurpose bucket (4x1)

Ideal attachment for various processing operations: excavation (max density 2.250 kg/m³), rehandling (max density 1.800 kg/m³), bulk handling (max density 900 kg/m³)

- ✓ Suitable for levelling, pushing, excavating, handling
- ✓ Mobile part for unloading on to truck or trailers
- ✓ Triple Tack Lock as standard (excluding A0810)
- ✓ Delivered with front cutter protection for on-road circulation



E				*		MACHINE	RANGE				1
COMMERCIAL REF. CODE	WEIGHT (kg)	WIDTH (mm)	BLADE WIDTH (mm)	CAPACITY* (l)	CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
DIGGING	BUCKET										
A0810	630	1905	1840	600	1350	•	-	-	-	-	-
A0800	720	2305	2240	800	1800	ullet	\bullet	\bullet	\bullet	igodol	ullet
A0820	780	2305	2240	1000	2250	\bullet	\bullet	\bullet	•	\bullet	•
REHANDL	ING BUCK	ET									
A0870	840	2305	2240	1250	2250	\bullet	\bullet	\bullet	\bullet	\bullet	•
BULK MA	TERIAL BU	CKET									
A0860	1220	2585	2500	3000	2700	-	-	-	-	\bullet	-
*heaped full ca	ipacity										

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Teeth (excavation only), Blade wear	-



Multipurpose bucket with grab

Attachments designed to handle materials having a maximum density of 1.800 kg/m³

- ✓ Monocoque body for better resistance
- ✓ *Removable sides for more volume*
- \checkmark Available with welded or forged teeth, with closure flush with or against walls to meet any operating requirement
- ✓ Hydraulically-operated grab



E				×.	MACHINE	RANGE	1	1		1
COMMERCIAL REF. CODE	WEIGHT (kg)	WIDTH (mm)	LOAD CAPACITY ()	MAXIMUM CAPACITY (kg)	СОМР	МС	MF	STAB	HC	ROTO
A0836	497	1840	700	1260	•	_	-	-	-	-
A0841	570	2000	900	1700	\bullet	\bullet	•	\bullet	-	-
A0840	605	2240	1000	1900	•	ightarrow	•	•	-	-
A0846	804	2400	2350	4230	-	-	-	-	\bullet	-
A0837	Lateral pane	ls for A0836								
A0847	Lateral pane	ls for A0846								
A0848	Lateral spike	25								
<i>Warning</i> : weig	Iht varies dependi	ing on the teeth c	hosen. weight of	forged teeth is i	ndicated					

REQUIREMENTS	OPTIONS	LIMITATIONS
-	Blade wear	-



Attachment suitable for handling one or two bales

- \checkmark Suitable for storing bales up to roof level
- ✓ Hydraulically-operated height-adjustable protection
- ✓ Interchangeable and tip-over high-penetration tips
- ✓ Guard height from 1.320 mm to 1.900 mm





REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-



Handler for single round bale

Attachment designed for handling round bales

FEATURES

- ✓ Version available for round bales with or without bands
- ✓ Easy transitions from banded to non-banded rotary bales for multi-purpose versions
- ✓ Available for various bale dimensions
- ✓ Independent closure movement for individual sides





ØP: round bale without band ØF: round bale with band

REQUIREMENTS	OPTIONS	LIMITATIONS
-	-	-

Note

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ATTACHMENTS

The data, features and illustrations contained in this document are for indicative purposes only, and are not binding. Merlo Spa pursues a policy of continual research and development, and as such, our products may feature characteristics that differ from those described or may be subject to modification without prior notice. The products illustrated may include optional equipment.



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