



ROTO 40.30 MCSS

- **MAXIMUM LOAD CAPACITY: 8,820 LBS**
- **MAXIMUM LIFT HEIGHT: 96' 8"**
- **MAXIMUM REACH: 83' 3"**
- **LOAD CAPACITY AT MAXIMUM HEIGHT: 3,300 LBS**
- **LOAD CAPACITY AT MAXIMUM FORWARD REACH: 880 LBS**



MERLO
ROTO40.30
MCSS

ATTACHMENT
A2773

STABILITY BASE

SETTINGS

UPD EQUIPMENT

WARNING

Load charts are different for each attachment fitted to the liftstracker. Ensure the attachment reference number is as shown above and use the load chart according to the stability base.

091358

ANSI B56.6-2011

LIFTING

PICK & CARRY

Maximum capacity: **5,000 lb**

1. Boom fully retracted
2. Boom angle < 20°
3. ON
4. REMOVE STABILIZERS
5. Load height: 20 in
6. Boom angle < 50°
7. Drive speed ≤ 1.5 mph
8. Guide person

5" MAX 3" MAX 9" MAX

MERLO
ROTO40.30
MCSS

ATTACHMENT
A0311
@ 24 in

STABILITY BASE

SETTINGS

UPD EQUIPMENT

WARNING

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091349

ANSI B56.6-2011

LIFTING

PICK & CARRY

Maximum capacity: **8,800 lb**

1. Boom fully retracted
2. Boom angle < 20°
3. ON
4. REMOVE STABILIZERS
5. Load height: 20 in
6. Boom angle < 50°
7. Drive speed ≤ 1 mph
8. Guide person

5" MAX 3" MAX 9" MAX

MERLO
ROTO40.30
MCSS

ATTACHMENT
A0311
@ 24 in

STABILITY BASE

SETTINGS

UPD EQUIPMENT

WARNING

Load charts are different for each attachment fitted to the liftstracker. Ensure the attachment reference number is as shown above and use the load chart according to the stability base.

091356

ANSI B56.6-2011

LIFTING

PICK & CARRY

Maximum capacity: **8,800 lb**

1. Boom fully retracted
2. Boom angle < 20°
3. ON
4. REMOVE STABILIZERS
5. Load height: 20 in
6. Boom angle < 50°
7. Drive speed ≤ 1.5 mph
8. Guide person

5" MAX 3" MAX 9" MAX

MERLO
ROTO40.30
MCSS

ATTACHMENTS
A1210A A1310A
A1210B A1310B

STABILITY BASE

SETTINGS

UPD EQUIPMENT

WARNING

Load charts are different for each attachment fitted to the liftstracker. Ensure the attachment reference number is as shown above and use the load chart according to the stability base.

091356

ANSI B56.6-2011

LIFTING

PICK & CARRY

Maximum capacity: **3,200 lb**

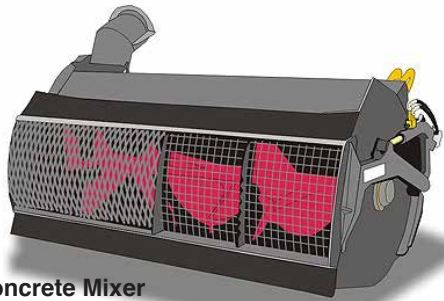
1. Boom fully retracted
2. Boom angle < 20°
3. ON
4. REMOVE STABILIZERS
5. Load height: 20 in
6. Boom angle < 50°
7. Drive speed ≤ 1 mph
8. Guide person

5" MAX 3" MAX 9" MAX



Attachments:

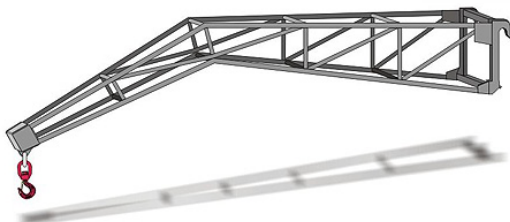
- » Space System
- » Tunnel Ring
- » Variable Width Man Baskets
- » Crane Booms
- » Crane Hooks
- » Fly Jibs
- » Fly Jibs with Winches
- » Mini Tower Jibs
- » Hydraulic Winches
- » Material Handling Buckets
- » Digging Buckets
- » Fixed Platforms
- » Concrete Mixer
- » Pipe Handlers



Concrete Mixer



Floating Forks Carriage



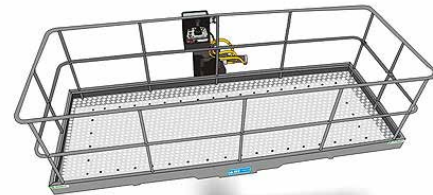
Fly Jib Lift



Space System



Hydraulic Winch

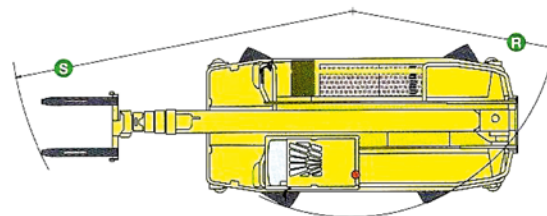
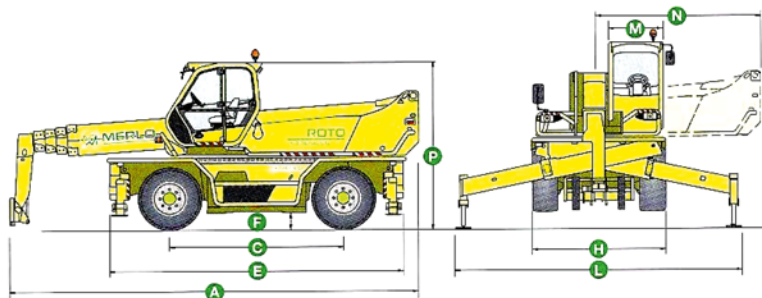


Variable Width Man Basket



ROTO 40.50 MCSS

CHARACTERISTICS AND PERFORMANCE



- » **Continuous turret rotation** is achieved through a Merlo electro- hydraulic central rotary coupling
- » Cab steel frame that complies with the international **ISO 3449 Level II FOPS** (Falling Object Protective Structure) standard
- » **Pneumatic suspension seat**
- » **Electronic joystick controls**
- » **Steering wheel tilt** is adjustable by up to 16 degrees
- » **Merlin system** (Merlo Local Interactive Network) provides a completely new way to automatically manage all the operating parameters and safety functions
- » **MCSS system** (Merlin Continuous Slew Safety) adjusts automatically to the load diagram to suit the stabilizer position chosen by the operator
- » **Stabilizers** with independent extension and jacking
- » **Hydropneumatic suspension** ensures maximum driving comfort and stability by leveling the machine
- » **Iveco turbo intercooler 4 cylinder engine**, delivering 170 HP
- » **Hydrostatic transmission** utilizing variable displacement motor and pump
- » **Load-sensing hydraulic pump**
- » **Maximum speed: 25mph**

Total weight unladen, with forks (lbs.)	42,320
Maximum load capacity (lbs.)	8,800
Maximum Lift height (ft.)	96'-8"
Maximum forward reach (ft.)	83'-6"
Lift height at maximum load capacity (ft.)	64'-0"
Forward reach at maximum load capacity (ft.)	34'-4"
Load capacity at maximum height (lbs.)	3,300
Load capacity at maximum forward reach (lbs.)	880
Turret rotation (degrees)	Continuous
Engine (make / cylinder/ HP)	Iveco / 170 HP
Transmission	2 Speed / Hydrostatic
Fuel capacity (gal)	40 Gallons
Maximum Speed (mph)	25
Load sensing hydraulic system (PSI-gal/min)	3,045-38
Hydraulic oil capacity (gal)	42 Gallons
Electrical circuit (V)	12
Battery (Ah)	160
Hydraulically controlled stabilizers	•(2)
Hydropneumatic suspension	•
Cab compliant with FOPS standards	•
Merlin electronic control system	•
Electro-mechanical joystick controls	-
Electronic joystick controls	•
Tac-Lock attachment coupling	•(3)
Auxiliary boom hydraulic service	•
Two floating forks (48 inches long)	•
Hydrostatic transmission	•
Hydrostatic oil capacity (gal)	3.1
Finger-Touch direction reversing control	•
Permanent four-wheel drive	•
4 Wheel Drive / 3 Steering Modes	•
Service disk brakes on all wheels	•
Automatically locking parking brake	•
Tires	445/65-22.5
Radio remote control	°
Pneumatic seat	•
Rear differential lock	°
Four cab working lights (2 front & 2 back)	°
Manual air conditioning system	°
Roof window wiper	°
Manual battery isolator	°
Front and roof sun shade	°

Performance figures refer to the machine equipped with forks, operating on stabilizers.

(1) Measured at suspension mid-point. (2) Stabilizing and leveling can be performed automatically

(3) ZM2 version front tool holder

• Standard ° Optional

Dimensions

A	24'-8"	F	1'-2"	M	3'-3"	R	14'-8"
C	10'-5"	H	8'-2"	N	9'-8"	S	22'-2"
E	18'-2"	L	17'-3"	P	10'-2"		