Wheeled Hydraulic Excavator Specifications

MH 6.5

Service weight	**19,1 – 24,6 t**
Engine output	**123 kW**
Bucket capacities (SAE)	**0,45 – 1,5 m³**

- **PMS three-pump hydraulics**
- **Electronic control and monitoring system**
- **Deluxe cab with noise suppression**
- **Highly fuel efficient**
- **Multi-disc manual transmission**
- **“Drive“ function**

O&K

Electronic immobilizer standard

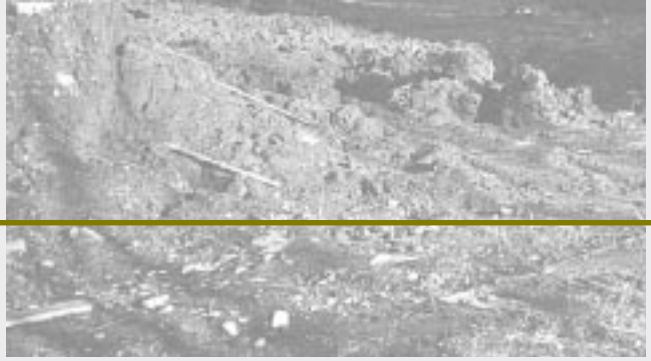
Zero-loss superstructure start-up and braking with energy recovery

4 stick options, backhoe and rock bucket plus various attachments

Generous stick and bucket working ranges

Patented multi-disc brake permits almost jolt-free working (standard undercarriage)

from O&K



CE symbol according to EC Machinery Directive.

TÜV certificate for compliance with DIN ISO EN 9001.

Lifting gear operation permitted with anti-burst and overload warning devices installed.

Ultramodern cab in softline design with ample space for the operator

Electronic engine and pump management system PMS III

Powerful Deutz diesel engine, water-cooled and clean

Fuel savings through freely selectable engine speeds

Encapsulated ball-bearing swing ring with lifetime lubrication

Variable-speed drive motor with automatic tractive force adjustment

Comfortable multi-disc transmission, gear-shifting under partial loads (standard undercarriage)

PMS III: more performance, less consumption, less wear

PMS III manages engine and pump performance to unbeatable levels of comfort and efficiency. All the important functions are monitored in order to reduce downtime and extend durability. Ongoing comparison of stored target data (e.g., temperature) with actual values provides automatic adjustment of engine and pump performance in the event of any deviations. The engine is never overworked! The diagnosis system makes any malfunctions visible and thus simplifies service.

Electronic immobilizer standard

A standard feature on all O&K excavators is an electronic immobilizer which makes sure that the engine will only start up once a code has been entered. The immobilizing function is overridden by pressing the control panel keys. During working hours the immobilizer can be disconnected and then reactivated after hours, thus preventing theft, of increasing occurrence on construction sites.

Fuel consumption down

Power under control; O&K has many examples to illustrate this: alongside variable flow, prioritized ECO output level and rev-lowering under zero-load conditions. Plus the closed swing circuit preventing unnecessary hydraulic heat-buildup when swinging or braking the superstructure. Hence, less need to cool and less fuel consumption.

Outstanding precision through volume control

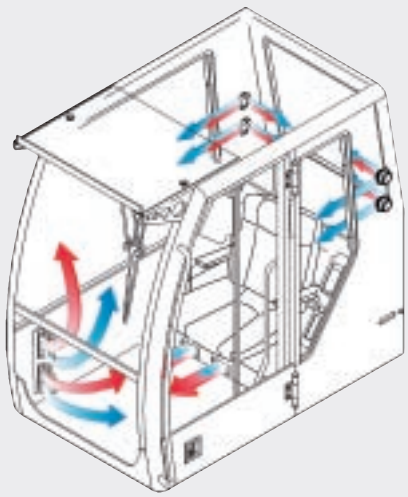
High-precision volume control meters exactly the right amount of oil flow for any particular function. Attachment functions are initiated with maximum sensitivity and virtually no losses. The outcome: lower oil temperatures, extended uptime for all components and appreciable fuel savings.

Anti-stress working in a comfortable and ergonomic cockpit

The ultramodern cab on the MH 6.5 has ample space for the operator plus stowage area behind the seat. The rounded tinted windows of the futuristic softline design prevent glare. The structure of the frame parts and large roof window improve upward visibility substantially. The front pane slides easily under the roof (a standard feature) where it locks safely into place. The lower part can be titled for optimum cab ventilation.

The doors have sliding windows as standard. The front roof projection in tinted Lexan glass keeps out the rain with the front window open while a standard sunshade prevents rays entering from the front and top.

The bright and stimulating colors and stylish design combine to create an agreeable working ambience. All the controls are designed and positioned according to the latest ergonomic findings. The servo-controlled levers with short throw and integrated buttons for additional functions, are conveniently positioned in the individually adjustable side consoles. Additional assets: the comfortable adjustable swing seat, the low noise level, and an extra-throughout ventilator providing slight overpressure within the cab.



The air conditioning system (optional) uses an ingenious airflow system to ensure agreeable temperatures at all times.

Fits snugly behind the operator's seat: the O&K cool box (optional).

Ample reserves with drive function

With its standard drive function, this O&K unit has power to spare on rough terrain and easily negotiates steep grades when using the creep function. The variable-speed drive motor automatically adjusts travel speed and hence reduces the need for gear shifting.

Rugged and efficient Deutz engine with power to spare

The powerful water-cooled Deutz engine is efficient and kind to the environment. With its exceptional efficiency, the electronic Pump Managing System PMS III translates this power into ample hydraulic performance. The MH 6.5 sets standards in breakout and, especially, ripping forces.

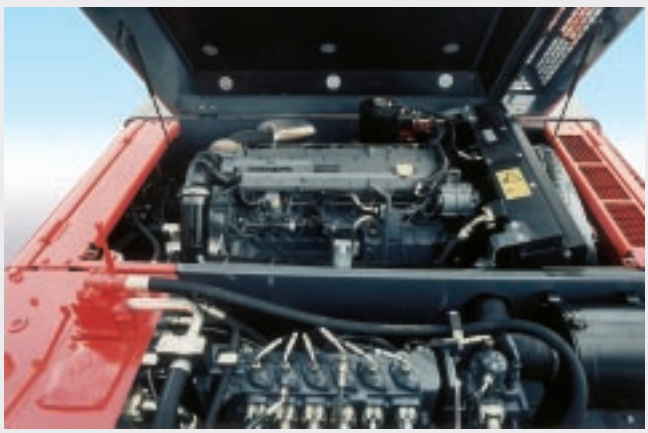
Hydrostatic fan drive ensures low oil temperatures

The combined cooler with hydrostatic fan drive ensures low oil temperatures and hence extended longevity of pumps and hydraulic components.

Service-friendly design for maintenance in no time at all

Excellent accessibility to the engine and all components shortens maintenance time and boosts productivity. All service items are quickly and easily accessible. Routine maintenance is completed in no time at all. Long-term lubricated components such as the fully encapsulated ball-bearing swing ring extend maintenance intervals.

The neatly laid-out central display indicates to the operator any necessary checks and maintenance jobs. Additionally, the O&K diagnosis system records any engine and/or hydraulic malfunctions, thus acting as an early warning system before any damage occurs.



Comfortable multi-disc transmission, gear-shifting under partial loads

A multi-disc transmission makes O&K wheeled excavators with standard undercarriage even faster, with less work for the operator. The transmission shifts under part loads, i.e. gear changes are more comfortable and quicker.

Outstanding ground clearance and excellent stability in every direction

As the transmission is directly flanged to the rear axle, the MH 6.5 with standard undercarriage has an outstanding ground clearance. The steering cylinders are safeguarded against damage in the axle housing.

The ideal positioning of the superstructure on the undercarriage gives the MH 6.5 outstanding stability throughout - an advantage especially for pipelaying.

Patented multi-disc brake for virtually jolt-free working

Conventional systems transfer planetary gear backlash, causing a frequent see-sawing movement of the excavator. This is avoided through O&K's patended technology on the MH 6.5 with standard undercarriage. Braking force is directly transferred to the brake, the excavator staying almost jolt-free. The hydraulically operated oil brake is a completely sealed system and delivers full braking action even under the most punishing conditions (in water). In contrast to pneumatic systems, there is no risk of condensing water, freezing in winter and frequently impairing braking response.

Rugged frame weldment

The rugged torsionally stiff frame is of box design and robot welded for absolute precision and a long service life.

Engine

Deutz diesel engine BF6 M 1013 E

Water-cooled • Exhaust-gas turbocharger • Combined cooler for hydraulic oil and coolant • Dry air filter with safety element and contamination indicator • Electric rev adjustment • Electric engine stop at key switch

Engine output ISO 9249	123 kW / 2100 RPM
Governed engine output	118 kW
Cylinders / displacement	6 / 7146 cm^3
Bore / stroke	108 mm / 130mm
Voltage	24 V
2 batteries	each 12 V / 92 Ah
Alternator	28 V / 35 A
Starter	4 kW / 24 V

Hydraulics

PMS 3-pump system with two main pumps and a separate swing pump • Main pumps each with individual control • Double flow • Parallel bucket circuits for 4 functions simultaneously • Microfiltration of return oil, servo and swing circuits • Flow on demand • High-pressure lines with flanged fittings • Hydraulic cooler with hydrostatic fan drive.

Maximum delivery main pumps	2 x 170 l/min
Maximum delivery swing pump	84 l/min
Maximum pressure without booster	320 bar
Maximum pressure with booster	360 bar
Maximum pressure, swing gear	390 bar

Control and monitoring system

Engine and pump monitoring system with electronic load limit (PMS III) • Controlled heat-up phase • Engine and hydraulic system temperature monitoring, with rev limit to protect engine and pumps • Automatic rev return

4 output levels:

	Heavy	Eco	Lift
RPM	2100	1900	1700
Pump output	100%	90%	65%

Swing gear

Swing pump/motor within sealed circuit for zero-loss superstructure start-up and braking • Swing gear with built-in wear-proof multi-disc brake • Encapsulated ball-bearing swing ring with lifetime lubrication

Effective slewing moment	67.5 kNm
Max. rpm	6.3

Cab

Tinted safety glass • Front top pane retracts, lower part removable • Sliding windows in the doors • Roof window • Rain-protection roof • Three-speed blower • Defroster nozzles for leg area and front windows • Central display for all control and monitoring functions • Deluxe seat • Control functions to SAE recommendations • Individually adjustable side consoles • Ergonomic servo-control levers

Drive

Hydraulic all-wheel variable-speed drive • "Drive" function • Tractive forces adjusted automatically • 2 hydraulic brake circuits •HD undercarriage: with drum brake • Standard undercarriage: planetary excavator axle with multi-disc brakes • Steering cylinder integrated within the axle

Max. effective tractive force			130 kN
Max. travel speed			
	Terrain	low gear:	5.0 km/h
	Road	high gear:	20.0 km/h
Creep speed			
		low gear:	2.0 km/h
		high gear:	8.0 km/h
Standard tyres (8)			10.00 - 20

Capacities

Fuel tank	320 l
Cooling system	30 l
Engine oil incl. filter*	20 l
Slewing gear*	4 l
Hydraulic tank*	175 l
Hydraulic system	340 l

* for oil change

Equipment

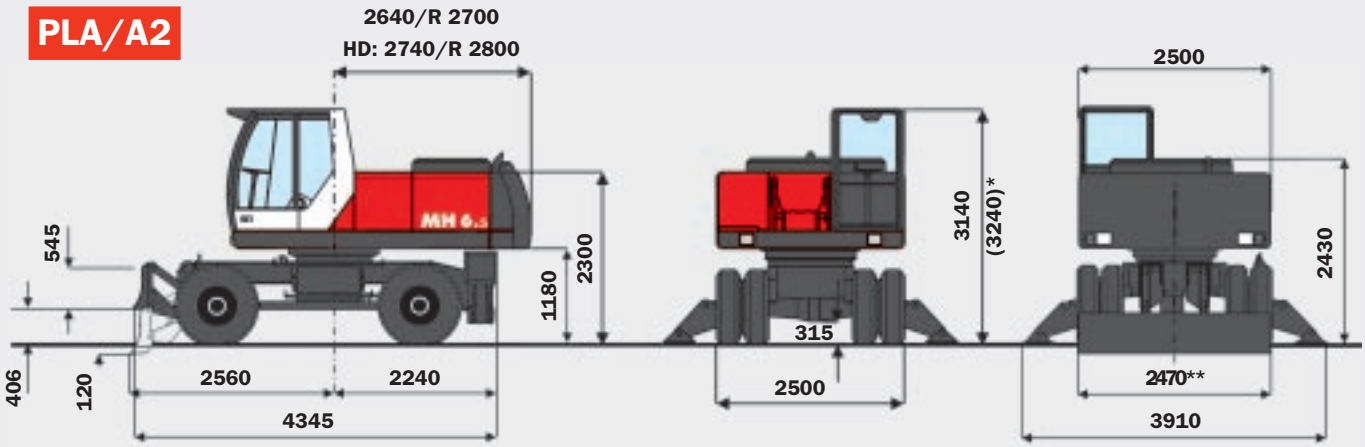
Low maintenance through hardened and corrosion-proofed bearing pins, low-wear bushings, sealed bearings and easily accessible grease distributor for boom • Hydraulic cylinders with articulated bearings at both ends • Progressive end-of-stroke dampening • Spotlight mounted on boom

Options

A/C • Eco-friendly hydraulic oil • Auxiliary heating • Anti-burst and overload warning devices • Pressure booster with power boost operation • Spacers • Cassette/radio • Additional headlamp • Electric refuelling • Special tyres • Grab swivel device with hydraulic switchover valve on bucket cylinder • Industrial equipment • Comfort package

Dimensions and weights

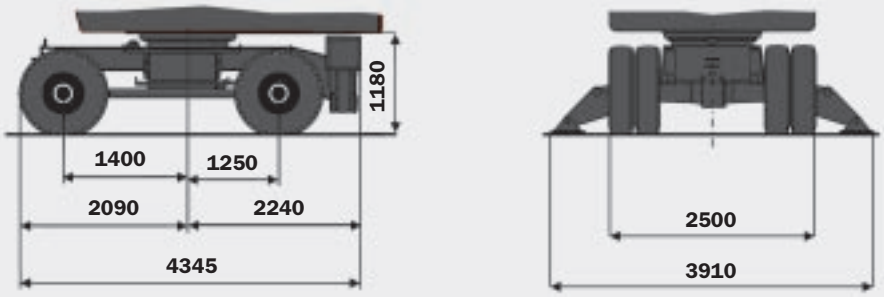
PLA/A2



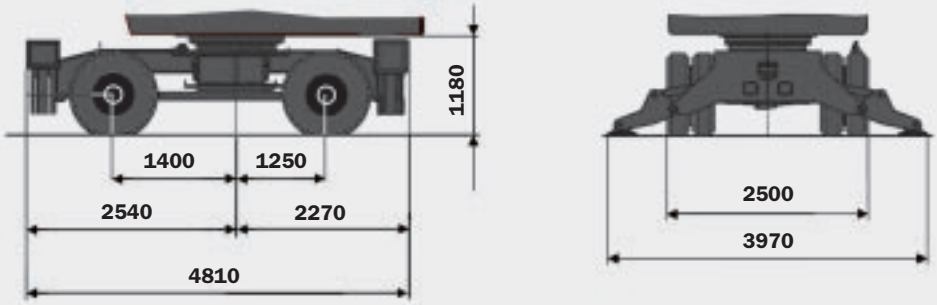
*HD version

** Dozer blade

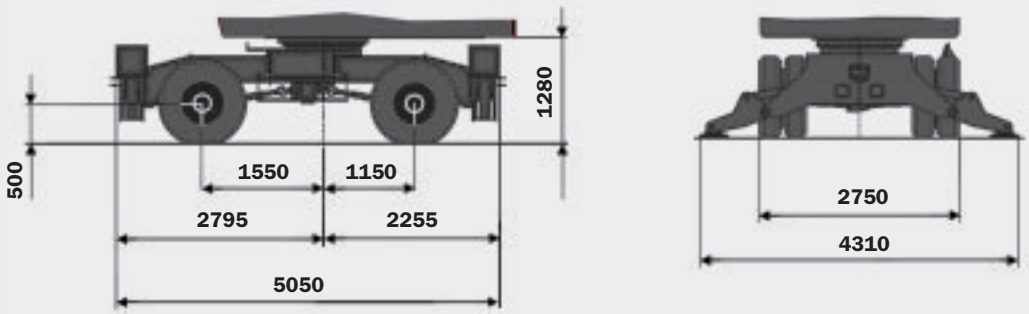
A2



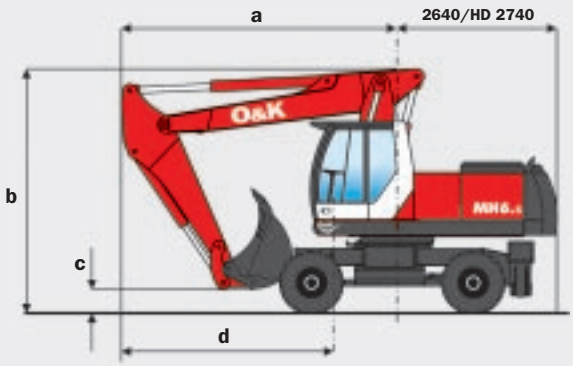
A4



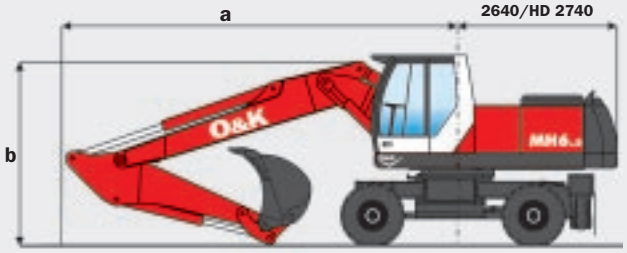
HD-A4



Dimensions and weights



Road travel				
	Backhoe equipment PLA or A2			
Sticks	a	b	c	d
Adj. boom 2.0 m	4480	4000	500	3500
2.6 m	4490	4000	300	3500
	Backhoe equipment PLA/A2 or A4			
Adj. boom 2.0 m	4480	4000	400	3500
2.6 m*	4570	4290	300	3560



Road travel				
	Grab equipment PLA, A2, PLA/A2 and A4			
Sticks	a	b	c	d
Adj. boom 2.0 m	4480	4000	1115	3500
2.6 m*	4620	4570	900	3640

*** Road travel as well as with sticks 3.2/4.0 m and large rear counterweight not permitted**

Loading dimensions for equipment		
	Adjustable boom	
Sticks	a	b
2.0 m	6450	3100
2.6 m	6450	3150
3.2 m	6450	3300
4.0 m	6250	3650

Loading dimensions for equipment		
	Monoboom	
Sticks	a	b
2.0 m	6800	3200
2.6 m	6800	3050
3.2 m	6800	3150
4.0 m	6900	3650*

Loading dimensions for equipment MH 6 HD A4		
	Adjustable boom	
Sticks	a	b
2.0 m	6450	3200
2.6 m	6440	3250
3.2 m	6450	3250*
4.0 m	6450	3450*

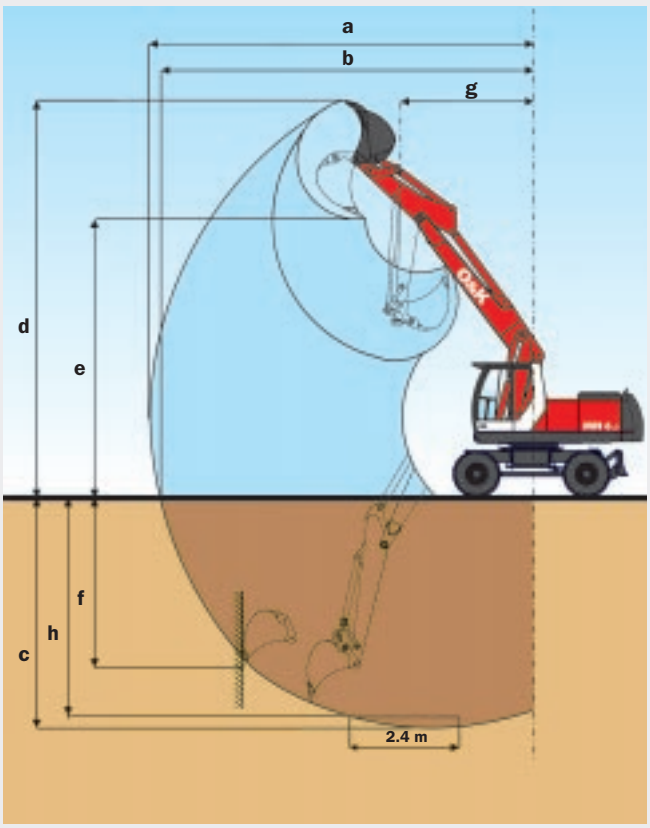
Loading dimensions for equipment MH 6 HD A4		
	Monoboom	
Sticks	a	b
2.0 m	6780	3100
2.6 m	6760	3100
3.2 m	6840	3200*
4.0 m	6860	3350*

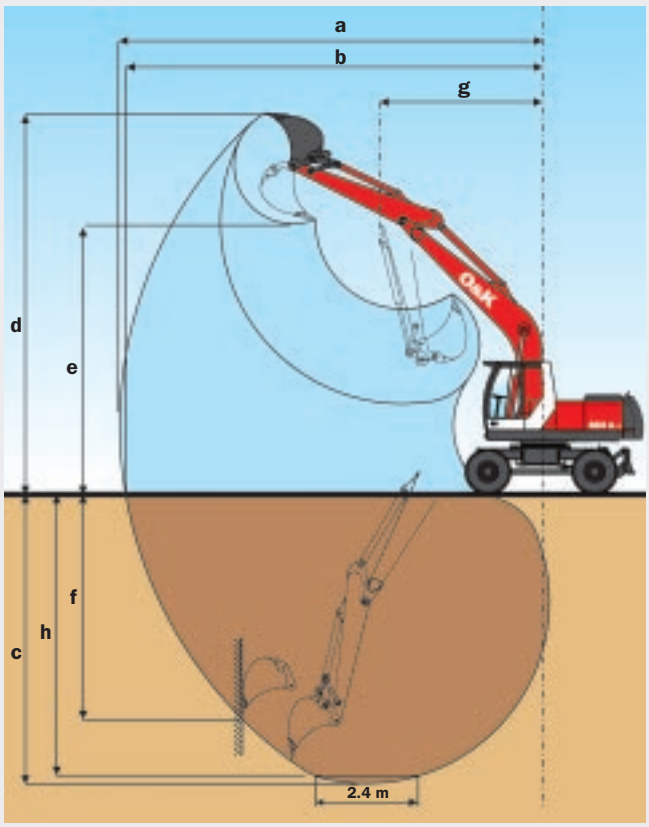
***without bucket**
all dimensions with rotated undercarriage

	Weight of backhoe Adjustable boom 3.6 m, Stick 2.6 m Backhoe 0.7 m³ SAE	Weight of backhoe Monoboom 5.5 m, Stick 2.6 m Backhoe 0.7 m³ SAE
MH 6.5 A2	20.6 t	19.6 t
MH 6.5 PLA/A2	21.5 t	20.5 t
MH 6.5 A4	22.4 t	21.3 t
MH 6.5 HD/A4	24.3 t*	23.3 t*

*** Road travel not permitted**

Working area with backhoe and adjustable boom/Monoboom





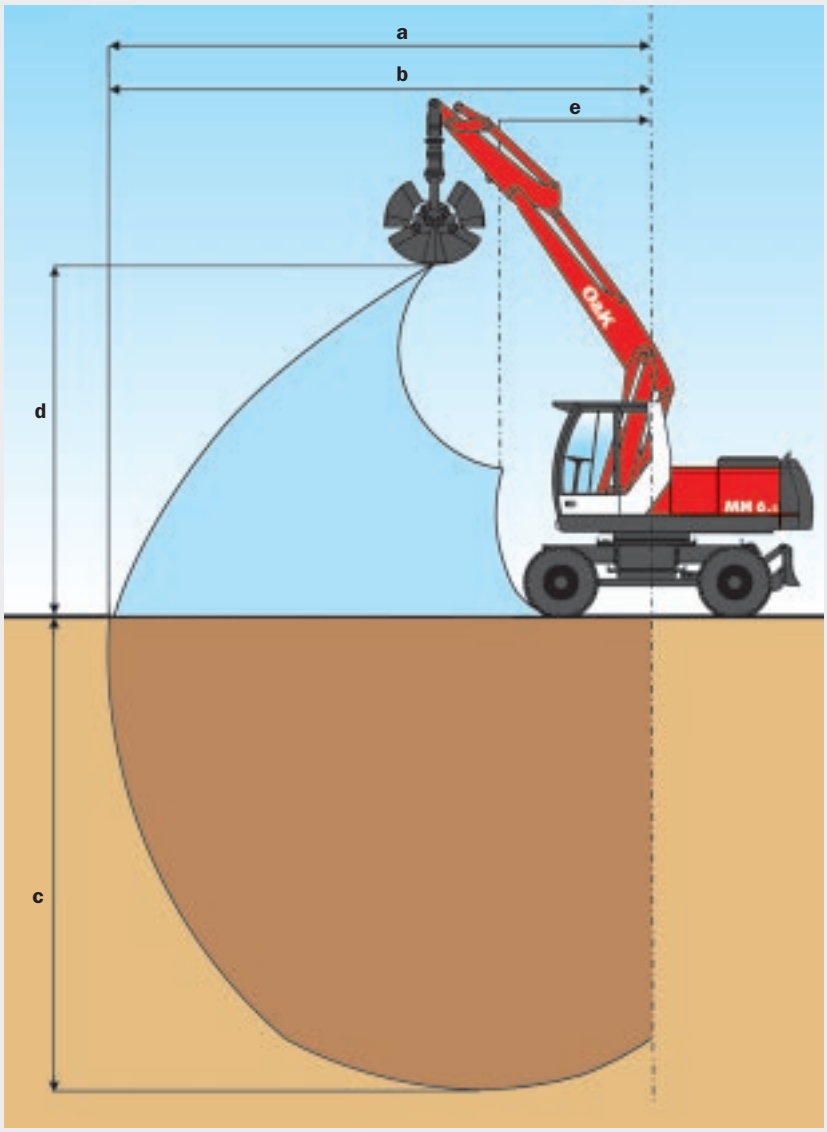
			Adjustable boom 1.9/3.6 m				Monoboom 5.5 m			
	Range*	Stick length	2.0 m	2.6 m	3.2 m	4.0 m	2.0 m	2.6 m	3.2 m	4.0 m
a	Max. reach	m	9.0	9.6	10.2	11.0	9.2	9.7	10.3	11.1
b	Max. reach at level ground	m	8.8	9.4	10.1	10.8	9.0	9.5	10.9	10.9
c	Max. digging depth	m	5.3	5.9	6.5	7.2	5.5	6.1	6.7	7.5
d	Max. penetration height	m	10.1	10.5	11.0	11.7	8.8	9.1	9.4	9.8
e	Max. dump height	m	7.3	7.8	8.3	9.0	6.2	6.5	6.8	7.2
f	Max. vertical digging depth	m	3.7	4.3	4.8	5.5	3.9	4.4	4.9	5.7
g	Min. slewing radius	m	3.0	2.9	3.1	3.3	4.1	4.1	4.0	4.0
h	Max. digging depth at 2.4 m (8") wide base	m	5.1	5.7	6.4	7.2	5.3	5.9	6.6	7.4

* working position

Digging forces									
		Adjustable boom 1.9/3.6 m				Monoboom 5.5 m			
	Stick length	2.0 m	2.6 m	3.2 m	4.0 m	2.0 m	2.6 m	3.2 m	4.0 m
Breakout force*	kN	164	164	164	164	164	164	164	164
Ripping force*	kN	156	132	115	97	156	132	115	97

* with booster

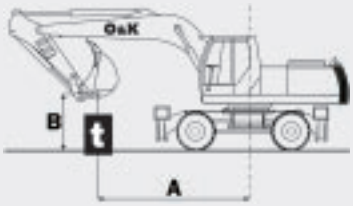
Working area with grab and adjustable boom



	Range		Stick length 2.0 m	2.6 m	3.2 m	4.0 m
a	Max. reach	m	7.7	8.2	8.8	9.6
b	Max. reach at level ground	m	7.6	8.2	8.8	9.6
c	Max. digging depth	m	6.6	7.2	7.8	8.6
d	Max. height	m	6.0	6.5	7.0	7.6
e	Min. slewing radius	m	3.2	3.4	3.6	3.9

Grab equipment		
Closing force*	kN	108

*with booster



As per ISO 10567, the specified values represent 75 percent of the static tipping load or 87 percent of the hydraulic lift capacity. The values apply with booster activated.

a Total slewing range 360°.
b as previously, but with undercarriage stabilized.
c Longitudinal direction +/-15°.
d as previously, but with undercarriage stabilized.
*** Limited by hydraulic system.**

Adjustable boom 1.9/3.6 m • Backhoe 0.7 m³ SAE

MH 6.5 A2 — Adjustable boom

A	3.0 m				4.5 m				6.0 m				7.5 m				max.			
Sticks B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
4.5 m					4.9	6.6	6.8*	6.8*	3.0	4.1	4.8	5.4*								
3.0 m	8.4	11.8	14.1	14.1*	4.6	6.3	7.3	8.1*	3.0	4.1	4.7	6.1*	1.7	2.4	3.0	4.8*				
1.5 m	8.2	11.7	13.9	14.8*	4.5	6.1	7.1	10.0*	2.9	4.0	4.7	6.9*	1.6	2.4	2.9	4.7				
2.0 m Gr. level	7.9	11.6	14.1	18.0*	4.3	6.0	7.2	11.2	2.6	3.7	4.4	7.1	1.5	2.2	2.7	4.6	1.5	2.2	2.6	4.4
-1.5 m	7.5	11.2	13.9	19.6*	4.1	5.7	6.9	11.5	2.3	3.3	4.0	6.8								
-3.0 m	7.5	11.2	14.0	20.6*	3.7	5.3	6.5	11.5												
4.5 m									3.1	4.1	4.8	4.9*	1.8	2.6	3.1	4.4*				
3.0 m	8.5	11.9	11.9*	11.9*	4.6	6.2	7.3	7.3*	2.9	4.0	4.6	5.6*	1.8	2.6	3.1	4.8*				
1.5 m	8.0	11.4	13.6	14.5*	4.4	6.0	7.0	9.1*	2.9	3.9	4.5	6.4*	1.7	2.5	3.0	4.8				
2.6 m Gr. level	8.0	11.5	13.7	16.6*	4.4	6.0	7.0	10.9*	2.7	3.8	4.5	6.9	1.5	2.3	2.8	4.7	1.2	1.9	2.3	3.6*
-1.5 m	7.4	11.1	13.8	19.1*	4.0	5.7	6.8	11.2	2.4	3.5	4.2	7.0	1.4	2.1	2.6	4.5				
-3.0 m	7.3	10.9	13.7	19.7*	3.8	5.4	6.6	11.7	2.1	3.2	3.9	6.6								

MH 6.5 PLA/A2 — Adjustable boom

A	3.0 m				4.5 m				6.0 m				7.5 m				max.			
Sticks B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
4.5 m					5.0	6.8*	6.8*	6.8*	3.2	5.3	4.6	5.4*								
3.0 m	8.7	14.1*	13.6	14.1*	4.7	8.1	7.0	8.1*	3.1	5.2	4.5	6.1*	1.8	3.4	2.8	4.8*				
1.5 m	8.5	14.8*	13.4	14.8*	4.6	7.9	6.9	10.0*	3.0	5.2	4.5	6.9*	1.7	3.3	2.7	5.3*				
2.0 m Gr. level	8.2	16.1	13.7	18.0*	4.5	8.0	6.9	11.6*	2.7	4.9	4.2	7.9*	1.6	3.1	2.6	4.8*	1.5	3.0	2.5	4.2*
-1.5 m	7.8	16.4	13.4	19.6*	4.2	7.9	6.6	11.9*	2.4	4.6	3.9	8.5*								
-3.0 m	7.8	16.5	13.5	20.6*	3.8	7.4	6.2	12.1*												
4.5 m									3.2	4.9*	4.6	4.9*	1.9	3.6	3.0	4.4*				
3.0 m	8.7	11.9*	11.9*	11.9*	4.7	7.3*	7.0	7.3*	3.0	5.2	4.5	5.6*	1.9	3.5	3.0	4.8*				
1.5 m	8.3	14.5*	13.1*	14.5*	4.5	7.8	6.8	9.1*	3.0	5.1	4.4	6.4*	1.8	3.4	2.9	5.3*				
2.6 m Gr. level	8.3	15.6	13.3	16.6*	4.5	7.8	6.8	10.9*	2.9	5.1	4.4	7.3*	1.6	3.2	2.7	5.7*	1.3	2.6	2.2	3.6*
-1.5 m	7.7	16.1	13.3	19.1*	4.2	7.8	6.6	11.5*	2.5	4.8	4.0	8.1*	1.5	3.0	2.5	5.2*				
-3.0 m	7.6	16.1	13.2	19.7*	3.9	7.5	6.3	12.0*	2.3	4.4	3.7	8.2*								

MH 6.5 A4 — Adjustable boom

A	3.0 m				4.5 m				6.0 m				7.5 m				max.			
Sticks B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
4.5 m					5.2	6.8*	6.8*	6.8*	3.3	5.4*	4.8	5.4*								
3.0 m	9.0	14.1*	14.1	14.1*	4.9	8.1*	7.3	8.1*	3.2	6.1*	4.7	6.1*	1.9	4.7	2.9	4.8*				
1.5 m	8.8	14.8*	13.8	14.8*	4.8	10.0*	7.1	10.0*	3.2	6.7	4.7	6.9*	1.8	4.5	2.8	5.3*				
2.0 m Gr. level	8.5	18.0*	14.0	18.0*	4.7	10.6	7.2	11.6*	2.8	6.8	4.3	7.9*	1.6	4.4	2.7	4.8*	1.6	4.2*	2.6	4.2*
-1.5 m	8.1	19.6*	13.9	19.6*	4.4	10.9	6.9	11.9*	2.5	6.5	4.0	8.5*								
-3.0 m	8.1	20.6*	13.9	20.6*	4.0	10.6	6.4	12.1*												
4.5 m									3.3	4.9*	4.8	4.9*	2.0	4.4*	3.1	4.4*				
3.0 m	9.0	11.9*	11.9*	11.9*	4.9	7.3*	7.3	7.3*	3.2	5.6*	4.6	5.6*	2.0	4.8	3.1	4.8*				
1.5 m	8.6	14.5*	13.6	14.5*	4.7	9.1*	7.0	9.1*	3.1	6.4*	4.5	6.4*	1.9	4.7	3.0	5.3*				
2.6 m Gr. level	8.6	16.6*	13.7	16.6*	4.7	10.4	7.0	10.9*	3.0	6.6	4.5	7.3*	1.7	4.5	2.8	5.7*	1.4	3.6*	2.3	3.6*
-1.5 m	8.0	19.1*	13.8	19.1*	4.3	10.6	6.8	11.5*	2.7	6.6	4.2	8.1*	1.6	4.3	2.6	5.2*				
-3.0 m	7.9	19.7*	13.6	19.7*	4.1	10.8	6.5	12.0*	2.4	6.3	3.9	8.2*								

		MH 6.5 HD A4																Adjustable boom max.			
	A	3.0 m				4.5 m				6.0 m				7.5 m							
Sticks	B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
	4.5 m					6.6	6.8*	6.8*	6.8*	4.3	5.5*	5.5*	5.5*								
	3.0 m	11.4	13.7*	13.7*	13.7*	6.3	8.2*	8.2*	8.2*	4.2	6.2*	6.0	6.2*	2.6	4.8*	4.0	4.8*				
	1.5 m	11.2*	15.1*	15.1*	15.1*	6.2	10.2*	9.1	10.2*	4.1	7.0*	5.9	7.0*	2.5	5.3*	3.9	5.3*				
2.0 m	Gr. level	11.2	18.1*	18.1*	18.1*	6.1	11.6*	9.2	11.6*	3.8	7.9*	5.9	7.9*	2.4	4.8*	3.8	4.8*	2.3	4.2*	3.7	4.2*
	-1.5 m	10.8	19.7*	19.0	19.7*	5.8	11.9*	9.3	11.9*	3.5	8.1	5.5	8.5*								
	-3.0 m	10.8	20.6*	19.5	20.6*	5.5	12.1*	8.9	12.1*												
	4.5 m									4.3	5.0*	5.0*	5.0*	2.8	4.5*	4.2	4.5*				
	3.0 m	11.5	12.2*	12.2*	12.2*	6.3	7.5*	7.5*	7.5*	4.1	5.6*	5.6*	5.6*	2.7	4.8*	4.2	4.8*				
	1.5 m	11.1	14.2*	14.2*	14.2*	6.1	9.2*	9.0	9.2*	4.1	6.5*	5.8	6.5*	2.6	5.3*	4.1	5.3*				
2.6 m	Gr. level	11.2	16.8*	16.8*	16.8*	6.1	11.0*	9.0	11.0*	4.0	7.4*	5.9	7.4*	2.4	5.6	3.9	5.6*	2.0	3.6*	3.2	3.6*
	-1.5 m	10.7	19.1*	18.4	19.1*	5.8	11.5*	9.2	11.5*	3.6	8.0	5.6	8.2*	2.3	4.9*	3.7	4.9*				
	-3.0 m	10.6	19.8*	19.3	19.8*	5.5	12.1*	9.0	12.1*	3.3	7.9	5.4	8.0*								

Monoboom 5.5 m • Backhoe 0.7 m³ SAE

		MH 6.5 A2																Monoboom max.			
	A	3.0 m				4.5 m				6.0 m				7.5 m							
Sticks	B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
	4.5 m									2.9	3.9	4.6	5.2*	1.8	2.6	3.1	4.7*				
	3.0 m					4.1	5.7	6.8	8.2*	2.6	3.6	4.3	5.9*	1.7	2.5	3.0	4.8				
	1.5 m					3.6	5.2	6.3	9.5*	2.4	3.4	4.1	6.6	1.6	2.4	2.8	4.6				
2.0 m	Gr. level	6.4*	6.4*	6.4*	6.4*	3.4	4.9	6.0	9.9*	2.2	3.2	3.9	6.5	1.5	2.3	2.7	4.5	1.4	2.1	2.5	4.1
	-1.5 m	6.5	9.9	12.4	13.4*	3.4	4.9	6.0	9.4*	2.2	3.1	3.8	6.4								
	-3.0 m	6.7	10.1	11.3*	11.3*	3.5	5.0	6.1	8.1*	2.2	3.2	3.9	5.7*								
	4.5 m									2.9	4.0	4.6	4.6*	1.9	2.6	3.1	4.2*				
	3.0 m	7.6	11.1	12.7*	12.7*	4.2	5.9	7.0	7.2*	2.6	3.7	4.4	5.4*	1.7	2.5	3.0	4.5*				
	1.5 m					3.6	5.2	6.3	8.9*	2.3	3.3	4.0	6.2*	1.6	2.3	2.8	4.6				
2.6 m	Gr. level	6.0	7.5*	7.5*	7.5*	3.3	4.8	5.9	9.6*	2.1	3.1	3.8	6.4	1.5	2.2	2.7	4.4	1.2	1.8	2.2	3.6
	-1.5 m	6.1	9.4	11.9	12.1*	3.2	4.7	5.8	9.5*	2.0	3.0	3.7	6.3	1.4	2.1	2.6	4.4				
	-3.0 m	6.3	9.6	12.2	12.5*	3.2	4.8	5.8	8.6*	2.0	3.0	3.7	6.1*								

		MH 6.5 PLA/A2																Monoboom max.			
	A	3.0 m				4.5 m				6.0 m				7.5 m							
Sticks	B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
	4.5 m									3.0	5.2	4.4	5.2*	1.9	3.5	2.9	4.7*				
	3.0 m					4.3	7.8	6.6	8.2*	2.7	4.9	4.1	5.9*	1.8	3.4	2.8	4.9*				
	1.5 m					3.8	7.2	6.0	9.5*	2.5	4.6	3.9	6.6*	1.7	3.2	2.7	5.2*				
2.0 m	Gr. level	6.4*	6.4*	6.4*	6.4*	3.6	6.9	5.8	9.9*	2.3	4.4	3.7	7.0*	1.6	3.1	2.6	5.3*	1.5	2.9	2.4	4.8*
	-1.5 m	6.8	13.4*	11.9	13.4*	3.5	6.9	5.7	9.4*	2.3	4.4	3.6	6.8*								
	-3.0 m	7.0	11.3*	11.3*	11.3*	3.6	7.0	5.8	8.1*	2.4	4.4	3.7	5.7*								
	4.5 m									3.1	4.6*	4.5	4.6*	2.0	3.5	3.0	4.2*				
	3.0 m	7.9	12.7*	12.7*	12.7*	4.4	7.2*	6.7	7.1*	2.8	4.9	4.2	5.4*	1.8	3.4	2.8	4.5*				
	1.5 m					3.8	7.2	6.0	8.9*	2.5	4.6	3.9	6.2*	1.7	3.2	2.7	4.9*				
2.6 m	Gr. level	6.3	7.5*	7.5*	7.5*	3.4	6.8	5.6	9.6*	2.3	4.3	3.6	6.7*	1.6	3.1	2.5	5.2*	1.3	2.5	2.1	3.9*
	-1.5 m	6.4	12.1*	11.4	12.1*	3.3	6.7	5.5	9.5*	2.2	4.2	3.5	6.8*	1.5	3.0	2.5	5.1*				
	-3.0 m	6.6	12.5*	11.7	12.5*	3.4	6.7	5.6	8.6*	2.2	4.3	3.5	6.1*								

		MH 6.5 A4																Monoboom			
	A	3.0 m				4.5 m				6.0 m				7.5 m				max.			
Sticks	B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
	4.5 m									3.1	5.2*	4.6	5.2*	2.0	4.7	3.1	4.7*				
	3.0 m					4.5	8.2*	6.8	8.2*	2.9	5.9*	4.3	5.9*	1.9	4.6	3.0	4.9*				
	1.5 m					4.0	9.5*	6.2	9.5*	2.6	6.4	4.0	6.6*	1.8	4.5	2.8	5.2*				
2.0 m	Gr. level	6.4*	6.4*	6.4*	6.4*	3.7	9.9	6.0	9.9*	2.5	6.2	3.9	7.0*	1.7	4.4	2.7	5.3*	1.6	4.0	2.5	4.8*
	-1.5 m	7.1	13.4*	12.4	13.4*	3.7	9.4*	5.9	9.4*	2.4	6.1	3.8	6.8*								
	-3.0 m	7.3	11.3*	11.3*	11.3*	3.8	8.1*	6.1	8.1*	2.5	5.7*	3.9	5.7*								
	4.5 m									3.2	4.6*	4.6	4.6*	2.1	4.2*	3.1	4.2*				
	3.0 m	8.2	12.7*	12.7*	12.7*	4.6	7.2*	7.0	7.2*	2.9	5.4*	4.3	5.4*	1.9	4.5*	2.9	4.5*				
	1.5 m					4.0	8.9*	6.3	8.9*	2.6	6.2*	4.0	6.2*	1.8	4.4	2.8	4.9*				
2.6 m	Gr. level	6.6	7.5*	7.5*	7.5*	3.6	9.6*	5.9	9.6*	2.4	6.1	3.8	6.7*	1.7	4.3	2.7	5.2*	1.4	3.5	2.2	3.9*
	-1.5 m	6.7	12.1*	11.9	12.1*	3.5	9.5*	5.8	9.5*	2.3	6.0	3.7	6.8*	1.6	4.2	2.6	5.1*				
	-3.0 m	6.9	12.5*	12.1	12.5*	3.6	8.6*	5.8	8.6*	2.3	6.0	3.7	6.1*								

		MH 6.5 HD A4																Monoboom			
	A	3.0 m				4.5 m				6.0 m				7.5 m				max.			
Sticks	B	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
	4.5 m									4.1	5.2*	5.2*	5.2*	2.8	4.7*	4.1	4.7*				
	3.0 m					5.8	8.3*	8.3*	8.3*	3.8	6.0*	5.8	6.0*	2.7	4.9*	4.0	4.9*				
	1.5 m					5.4	9.6*	8.6	9.6*	3.6	6.7*	5.5	6.7*	2.5	5.2*	3.9	5.2*				
2.0 m	Gr. level	6.9*	6.9*	6.9*	6.9*	5.1	9.9*	8.3	9.9*	3.4	7.0*	5.3	7.0*	2.5	5.3*	3.8	5.3*	2.3	4.8*	3.5	4.8*
	-1.5 m	9.8	13.3*	13.3*	13.3*	5.1	9.4*	8.3	9.4*	3.4	6.8*	5.3	6.8*								
	-3.0 m	10.0	11.1*	11.1*	11.1*	5.2	8.0*	8.0*	8.0*	3.4	5.6*	5.4	5.6*								
	4.5 m									4.1	4.7*	4.7*	4.7*	2.8	4.2*	4.2	4.2*				
	3.0 m	10.7	11.1*	11.1*	11.1*	6.0	7.3*	7.3*	7.3*	3.8	5.5*	5.5*	5.5*	2.6	4.6*	4.0	4.6*				
	1.5 m					5.3	8.9*	8.6	8.9*	3.5	6.3*	5.5	6.3*	2.5	4.9*	3.9	4.9*				
2.6 m	Gr. level	7.7*	7.7*	7.7*	7.7*	5.0	9.6*	8.2	9.6*	3.3	6.7*	5.3	6.7*	2.4	5.2*	3.7	5.2*	2.0	3.9*	3.1	3.9*
	-1.5 m	9.3	12.4*	12.4*	12.4*	4.9	9.5*	8.1	9.5*	3.2	6.7*	5.1	6.7*	2.3	5.0*	3.7	5.0*				
	-3.0 m	9.5	12.4*	12.4*	12.4*	5.0	8.5*	8.2	8.5*	3.3	6.1*	5.2	6.1*								

Attachments

Overall dimensions and weights

		Monoboom	Adj. boom		Stick				Grab stick	
			Lower part	Upper part						
System length	**m**	5.50	1.90	3.60	2.00	2.60	3.20	4.00	2.90	4.00
Weight	**kg**	1600	960	1350	700	860	930	1080	735	950
Linkage	**kg**	–	–	–	210	210	210	210	–	–
Cylinder	**kg**	295	270	290	175	175	175	175	–	–

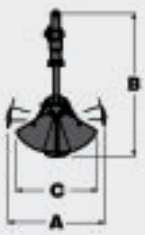
Trenching buckets

		Backhoe					Rock backhoe					
Capacity (CECE)	**m³**	0.60	0.80	0.90	1.10	1.30	0.40	0.50	0.60	0.70	0.80	0.90
Capacity (SAE)	**m³**	0.70	0.90	1.00	1.25	1.50	0.45	0.60	0.70	0.80	0.90	1.00
Width	**mm**	850	1000	1100	1200	1300	600	750	850	1000	1200	1200
Weight	**kg**	605	670	740	785	840	480	535	580	635	685	720

Further buckets on request

Clamshell buckets

Capacity	**m³**	0.40	0.50	0.62
Width	**mm**	700	900	900
Weight	**kg**	865	915	995
A	**m**	1.71	1.71	2.00
B	**m**	2.71	2.71	2.84
C	**m**	1.45	1.45	1.45



O&K Orenstein & Koppel AG
Staakener Str. 53-63
D-13581 Berlin
E-Mail: info@orenstein-koppel.com
http://www.orenstein-koppel.com

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