

NEW!

Air hammers with metal silencer for melting processes



Running-off of liquid metal melt



Breaking loose and cleaning of:

- converters
- casting ladles
- induction furnaces
- cupola furnaces
- smelters
- refractory brick lining work



Extremely vibration dampened
from 4,4 m/s²

Quality - Innovation - Reliability

MANNESMANN DEMAG is a reliable partner for the foundry industry since more than 100 years.

We are constantly improving products for the industry which grant compliance, e.g., with the EU-Machine-Directives (noise, vibration, work safety).

The new series of our metal hammers is equipped with intensive vibration buffering. The installed air cushion provides a protection against wearing from unloaded strokes. It is buffered until a working pressure of 9 bar.

As the only manufacturer we inform you about the exposure time of the hammer and the resulting working time for the machine operator indicated on the metal plate of the concerning hammer.



MANNESMANN DEMAG metal hammers special features:

- quality products
- vibration dampened
- sound absorption:
 - rotatable metal silencer
- exhaust air guide available as accessory
- type MD 1760 with lockable T-handle and catch retainer
- robust construction
- accessories for use in 400°C areas available

→ perfectly suitable for melting processes

- high impact output
- slender design
- vibration dampened and silenced
- long life time
- robust design
- forged and zinc-plated stainless steel handle

Air hammers with metal silencer 6,2 - 8,2 kg



Technical data

Type		MD 620 M	MD 660 M	MD 780 M	MD 820 M
<i>Insert end</i>					
Round hexagonal	RS 17,5	60030-40-6	60030-36-6	60030-50-6	60030-65-6
Round hexagonal	RS 20	6C Weight 6	60030-60-6	60030-55-6	60030-70-6
Hexagonal	S 19 x 50	60030-46-6	60030-61-6	60030-51-6	60030-66-6
Closed handle, steel		●	●	●	●
Screw cap		●	●	●	●
Impact number	min ⁻¹	2 600	2 170	2 600	2 170
Impact energy	J	12	14,5	12	14,5
Air consumption	ℓ / sec	10,6	12,5	15	16
Piston diameter	mm	29	29	30	30
Piston stroke	mm	75	95	75	95
Length	mm	365	395	376	406
Weight	kg	6,2	6,6	7,8	8,2
Hose I.D.	mm	13	13	13	13
Connection thread		G 3/4"	G 3/4"	G 3/4"	G 3/4"
Vibration	m / s²	7,9	7,9	4,4	5,7
Exposure time	h	3,2	3,2	10,3	6,2
Noise level	dB(A)	104	104	104	104
Output at 6 bar operating pressure					

Air hammers

with metal silencer

9,6 - 14,9 kg

- high impact output
- slender design
- vibration dampened and silenced
- long life time
- robust construction
- forged and zinc-plated stainless steel handle



Technical data

Type		MD 960 M	MD 1220 M	MD 1320 M	MD 1490 M
Insert end					
Round	R 25 × 75	60030-25-6	60030-34-6	60030-85-6	60031-10-6
Hexagonal	S 22 × 82,5	60030-74-6	60030-79-6	60030-86-6	60031-15-6
Closed handle		●	●	●	●
Screw cap		●	●	●	●
Impact number	min ⁻¹	1 700	1 760	1 170	950
Impact energy	J	34	40	50	55
Air consumption	ℓ / sec	20,3	23,7	22,6	16,3
Piston diameter	mm	33	36	36	36
Piston stroke	mm	130	135	180	205
Length	mm	503	520	640	640
Weight t	kg	9,6	12,2	13,2	14,9
Hose I.D. l. W.	mm	19	19	19	19
Connection thread		Ra 3/4 "	Ra 3/4 "	Ra 3/4 "	Ra 3/4 "
Vibration	m / s²	6,2	7,7	9,2	12,6
Exposure time	h	5,2	3,4	2,4	1,3
Noise level	dB(A)	105	105	105	105

Output at 6 bar operating pressure

- high impact output
- slender design
- vibration dampened and silenced
- long life time
- robust construction
- forged and zinc-plated stainless steel handle
- vibration dampening handle

Air hammers with metal silencer vibration dampened / 11,1 - 14,3 kg



Technical data

Type		MD 1110 M	MD 1300 M	MD 1430 M
<i>Insert end</i>				
Round	R 25 × 75	60030-75-6	60030-80-6	60030-90-6
Hexagonal	S 22 × 82,5	60030-76-6	60030-81-6	60030-91-6
Closed handle		●	●	●
Screw cap		●	●	●
Impact number	min ⁻¹	1 760	1 600	1 100
Impact energy	J	34	40	50
Air consumption	ℓ / sec	21,7	24,7	19,8
Piston diameter	mm	33	36	36
Piston stroke	mm	130	135	180
Length	mm	503	570	650
Weight	kg	11,1	13	14,3
Hose I.D.	mm	19	19	19
Connection thread :		Ra 3/4 "	Ra 3/4 "	Ra 3/4 "
Vibration	m / s²	5,1	5,1	5
Exposure time	h	7,7	7,7	8
Noise level	dB(A)	105	105	105
Output at 6 bar operating pressure				

Air hammers

with metal silencer

Catch retainer / 10,1 - 17,6 kg

- high impact output
- slender design
- catch retainer for simple and quick chisel change
- vibration dampened and silenced
- long life time
- robust construction
- forged and zinc-plated stainless steel handle



Technical data

Type		MD 1010 M	MD 1440 M	MD 1550 M	MD 1760 M
Insert end					
Round	R 25 × 75	—	—	—	60031-11-6
Hexagonal	S 22 × 82,5	60030-95-6	60031-00-6	60031-05-6	60031-16-6
Closed handle		●	●	●	—
T-handle		—	—	—	●
Catch		●	●	●	●
Impact number	min ⁻¹	1 700	1 700	1 250	950
Impact energy	J	34	45	56	55
Air consumption	ℓ / sec	20,3	24,1	21,3	16,3
Piston diameter	mm	33	36	36	36
Piston stroke	mm	130	135	180	205
Length	mm	503	520	640	642
Weight	kg	10,1	14,4	15,5	17,6
Hose I.D.	mm	19	19	19	19
Connection thread :		Ra 3/4 "	Ra 3/4 "	Ra 3/4 "	Ra 3/4 "
Vibration	m / s²	6,2	7,7	9,2	5,2
Exposure time	h	5,2	3,4	2,4	7,4
Noise level	dB(A)	105	105	105	105

Output at 6 bar operating pressure

Advice for hand-arm-vibrations

According to the directives of the European Parliament and the Council of the European Union regulations have been issued which regulate the protection of employees concerning the daily action value or the daily exposure limit value for vibrations.

MD determines the vibration values for every hammer strictly according to the EU-standards supported by a three-dimensional measurement with a contact-value of 15 kg.

The "allowed working hours per day" which are indicated on the MD-hammers (exposure times) result from these measurements and refer to the EU-standards.

If you compare the vibration values of different manufacturers, you should pay attention whether the measurement method is three-dimensional and whether the same contact-value is used.

Rule of thumb: The higher the contact-value, the lower the vibrations.

You can get a comparison between output and vibration by testing our hammers.

[Air hammers from MD keep what they promise.](#)

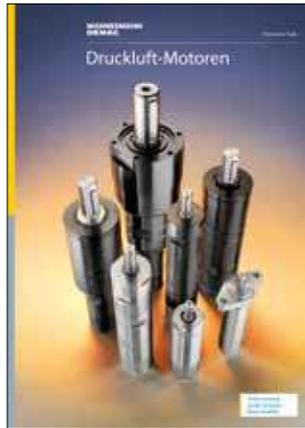
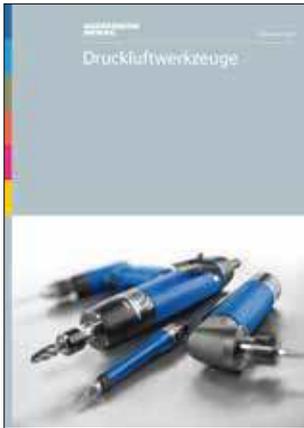
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Technische Änderungen sowie Farb- und Design-Veränderungen, die der Produkt-Innovation dienen, bleiben uns vorbehalten. Für Druckfehler übernehmen wir keine Haftung.

The complete spectrum of performance



- Precision industrial tools for metal processing
- Precision industrial tools for flexible automation
- Deburring solutions for robot applications
- Percussive tools
- Drilling and cutting technology
- Assembly technology, Torque measuring technology
- Compressed air motors
- Special customised solutions

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