

TRAINING

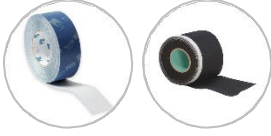


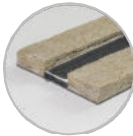
MATERIAL & TOOL LIST

Material and Tool List

The following list of materials and tools is recommended for the proper and professional handling of the BRIQs. This overview is intended as a guide and does not claim to be complete. The illustrations and dimensions shown are examples intended to aid understanding, but they do not replace specific coordination or calculation by the relevant specialist planner. Depending on the construction project and the stage of work, other tools may also be used professionally. The BRIQs can only be dismantled and reused if the tools are handled and used competently.

1. Material list:

Illustration	Item	Purpose
	Concrete anchor	For permanent fixing to concrete or masonry substrates
	Timber construction screw	For increasing the head pull-through resistance
	Anchor nail	For connecting angle brackets, perforated plates and tension anchors
	Adhesive tape, sealing tape	For creating the airtight layer

	Angle bracket	For fixing the BRIQ wall to the substrate, used as required by the structural design
	Perforated plate	
	Tension anchor	
	Damp-proof course	For protecting the laid BRIQs against rising damp
	Decoupling strip	For acoustic decoupling between building components, sound insulation
	Centring batten	For centric load transfer at the wall head

2. Tool list:

Illustration	Item	Purpose
	Mobile scaffold, trestles	For transporting, manoeuvring and placing the BRIQs
	Locking tool "Driver"	For driving the dowels in and out mechanically with compressed air, see data sheet in the appendix
	Compressor	Supplies the compressed air for the locking tool

Technical data of a recommended compressor:

- Motor power: 3.0 kW
- Three-phase connection: 400 V (usually 16 A)
- Effective air delivery at 8 bar: at least 300 l/min
- Maximum displacement: at least 400 l/min
- Maximum compression pressure (gauge pressure): at least 10 bar
- Tank capacity: 90 litres
- Compressor speed: 1120 rpm

Compressors with a **230 V connection** are also suitable if they reach **at least 200 l/min at 7 bar, 10 bar and a 90 l tank**. Depending on the working method, short pauses to refill the tank should be expected (the dowels can be pre-inserted during these pauses).

	Soft-face hammer	For driving in the dowels by hand and aligning the BRIQs
	Chalk line	For marking the course of the wall on the foundation
	(Cross-line) laser	For aligning the BRIQs horizontally and vertically
	String line	For lining up the laid BRIQs horizontally and vertically
	Spirit level	For checking the horizontal or vertical alignment of the BRIQs
	Raking props	For propping and aligning the BRIQ wall vertically
	Drill, various drill bits	For drilling holes

	Wood drill bit / Forstner bit	For drilling cable holes / through holes
	Cordless screwdriver, various bits	For installing fasteners and components
	Sword saw	For cutting precise straight edges, long sides and mitres without tear-out
	Workbench, saw table	For clean cutting of wood-based materials
	Mitre saw	For clean cutting of wood-based materials
	Wall chaser	For cutting grooves (chases) in walls for pipes and cables
	Pry bar	For aligning the BRIQs, versatile thanks to its leverage

Appendix:

Pneumatic chisel hammers

- These chisel hammers provide a high-performance overall concept for every job
- Actuation below 3 bar

The lightweights 1.0 – 1.3 kg



MD 110 | MD 120



MD 130



M13

Technical data

Type		MD 110	MD 120	MD 130	M 13
Shank					
Round	R 10.3 × 36	60040-08-5	60040-12-5	—	—
Round	R 14.3 × 50	—	—	—	33600-10-5
Hexagon	R 12.5 × 36	60040-07-5	60040-13-5	—	—
Hexagon	S 12.5 × 50	—	—	—	33600-21-5
Hexagon	RS 12.5 × 10.5 × 50	—	—	60029-94-5	33600-20-5
Hexagon	RS 14.3 × 12.5 × 50	—	—	60028-80-5	33600-30-5
Open handle		●	●	●	●
Retaining spring		●	●	●	●
Steel silencer		—	—	—	●
Blow rate	min ⁻¹	6 500	4 400	4 400	4 400
Impact energy	J	1.1	3.5	3.9	3.9

Air consumption	ℓ / sec	6.3	5.3	5.0	5.0
Piston diameter	mm	16	16	20	20
Piston stroke	mm	30	45	40	40
Length	mm	205	229	221	221
Weight	kg	1.0	1.1	1.3	1.3
Hose inner diameter	mm	8	8	10	10
Connection thread		G 1/4 " i	G 1/4 " i	G 1/4 " i	G 1/4 " i
Vibration	m / s²	2.5	4.2	7.0	7.0
Exposure time	h	32.0	11.1	4.1	4.1
Sound level	dB(A)	98	98	104	104

Performance at 6 bar operating pressure.

Source: Mannesmann DEMAG