



# MBS HW Hole Saw

## (multi-use saw)

For use with upright and hand-held drills in tool steels, construction steels, non-ferrous metals, stainless metals (e.g. A2 and A4), plastics, solid wood, laminate, aerated concrete and plaster board. Suitable for cutting pipes and curved or profiled surfaces (for overlapping holes as well).

Dia. in mm	PG	Metric	Type	Art. No.	P. Qty.
18	-	-	Complete with triang. mounting shaft, center drill (Art. No. 0630 120 1) and Allen key (size 3/4) for changing drill bits.	0630 120 18	1
19	-	-		0630 120 19	
20	-	20		0630 120 20	
21	-	-		0630 120 21	
22	-	-		0630 120 22	
23	-	-		0630 120 23	
24	-	-		0630 120 24	
25	-	25		0630 120 25	
28	-	-		0630 120 28	
29	-	-		0630 120 29	
30	-	-		0630 120 30	
32	-	32		0630 120 32	
33	-	-		0630 120 33	
34	-	-		0630 120 34	
35	-	-		0630 120 35	
36	-	-		0630 120 36	
37	29	-		0630 120 37	
38	-	40		0630 120 38	
40	-	-		0630 120 40	
42	-	-		0630 120 42	
43	-	50		0630 120 43	
44	-	-		0630 120 44	
45	-	-		0630 120 45	
48	-	-		0630 120 48	
49	-	-		0630 120 49	
50	-	-		0630 120 50	
51	-	-		0630 120 51	
55	-	-		0630 120 55	
60	48	-	0630 120 60		
64	-	-	0630 120 64		

- ▶ Uniform CNC grinding with specially matched, cutting pressure-reducing cutting shape.

**Your advantage:**

- Precise, clean cut with minimal tolerances.

- ▶ Stepped, optimized center drill (GS-protected system).

**Your advantages:**

- Eliminates the need for laborious centerpunching, as the drill can be centered without going astray.
- Reduced drilling force and reduced drilling time when drilling by over 50% coupled with lower consumption of power (depending on the hand-held drill used).

- ▶ Precise, optimally embedded seating of the carbide teeth via a unique, fully-automatic soldering process.

**Your advantage:**

- High cutting performance and long service life.

- ▶ Ejection spring.

**Your advantages:**

- Protects shock-sensitive carbide teeth after pre-drilling when the drill bit enters the medium.
- Ejects the drilled-out piece ("drill core") automatically once drilling is complete.

Caution: Ejection spring can be used with a material thickness of up to 8 mm. With thicker materials, the spring is to be removed. Otherwise, there will be a limit to the cutting depth (spring is compressed).

- ▶ Solid carrier with stepped chip fluting.

**Your advantage:**

- Optimum removal of chips, even with greater material thicknesses.

Caution: Despite this, we recommend "ventilating" the hole saw, i.e. stopping it and removing the chips, when working with material depths from 6 mm and up. Work may then continue.

- ▶ Separate hardened shaft with dia. 32 mm and up.

**Your advantage:**

- Compensation of the increasing torsion and torques associated with increasing diameters.

### Application examples



Steel ST 37, 20 mm



Individual holes/  
Overlapping holes



SML pipe



Laminate



Textured sheet metal

### Notes on application

Hand-held drill up to 6 mm material thickness and max. 30 mm saw diameter.

Upright drill up to 20 mm material thickness and > 30 mm saw diameter.

Recommendation: MK-2 Mounting shaft with saws of dia. 64 mm, but can already be used with saws with dia. 32 mm and larger.

Recommended speeds are to be observed.

Ensure sufficient cooling/lubrication.

For additional notes on use, refer to the operating instructions.

### Safety precautions

Ensure firm seating of the hole saw in the drill chuck.

Avoid using the hole saw at an angle.

Use appropriate protective clothing, e.g. safety goggles, gloves etc. when working.