

## Target materials

This table shows which LOBSTER hole saws and stage drills are applicable to each workpiece material. Select a product suitable for your intended workpiece material.

Application	Product name	Product No.	Size	Iron									Stainless steel (Hard-to-cut material)					Aluminum			Ceramic					Other				Reference page											
				Applicable plate thickness (mm)	Angle steel, Channel steel, C-shaped steel and other section steels	Steel pipe, Wiring duct, Water service pipe, Gas pipe, Electric cable and other various pipes	Raceway, Hanger rail, Thin section steels	Checkered steel plate, Iron plate	Roof deck, Deck plate	Metal siding, Galvalume steel plate	Tin plate, Zinc plate	Zinc spiral duct	Applicable plate thickness (mm)	Stainless steel angle and other shaped stainless steel section	Stainless steel duct and pipe	Stainless steel plate, Stainless steel span	Stainless steel siding	Stainless steel product	Stainless steel spiral duct	Applicable plate thickness (mm)	Aluminum sash	Aluminum product (Mold, frame, etc.)	Aluminum siding	Slate	Plaster board	Extrusion cement plate (ASLOC, MACE, etc.)	General ceramic siding	NICHIHA MOENSIDING	KMEW CERADIL		SHOWA DENKO LAMBDA	Hard PVC and other plastics	FRP plate	Wood, plywood and other wood board	Laminated board, Particle board	Artificial marble	Fire-resistant dual cement pipe				
Boring (Hole saw)	Cemented carbide hole saw	HO-G	φ15-100	0.3-25	○	○	○	○	○	○	○	○	○	○	○	○	0.3-6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	142		
	Cemented carbide hole saw (standard model for thin plate)	HO-S	φ15-100	0.3-4	○	○	○	○	○	○	○	○	○	○	○	○	0.3-4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	143	
	Bimetal hole saw	BOH-G	φ15-35	0.3-3.2	○	○	○	○	○	○	○	○	○	○	○	○	0.3-1.6★1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	144	
Boring (Stage drill)	Spiral stage drill (hexagon shaft, titanium-coated type)	LBH-SP	φ4-22	2 or less	○	○	○	○	○	○	○	○	○	○	○	○	1.2 or less	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145	
	Spiral stage drill (hexagon shaft type)	LBH-SPN	φ4-22	2 or less	○	○	○	○	○	○	○	○	○	○	○	○	1.2 or less	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145	
	Spiral stage drill (titanium-coated type) ★2	LB-G	φ4-42	★3	○	○	○	○	○	○	○	○	○	○	○	○	1.2 or less	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145	
	Stage drill ★2	LB	φ4-42	★3	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145
	Spiral stage drill (hexagon shaft, titanium-coated type)	LBH-G	φ4-22	2 or less	○	○	○	○	○	○	○	○	○	○	○	○	1 or less	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145
	Spiral stage drill (hexagon shaft type)	LBH	φ4-22	2 or less	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	145

## Notes:

- In this table, the applicable plate thickness is given as standard, which varies depending on conditions of use. The hole saws and stage drills cannot be used for boring of hardened materials. ◎ Suitable ○ Applicable
- When boring pipes with the stage drills and hole saws, the pipe outer diameter may not fit the cutting stage width (effective length) depending on the cutting blade outer diameter and pipe outer diameter, even if the plate thickness is within the applicable range.
- ★1 is applicable when electric drills (for rotation) and rechargeable drills (12 V or higher) are used at normal rotation speed. (Rechargeable impact drivers are not applicable.)
- ★2 is straight shaft type.
- For the stage drills, applicable plate thickness for iron materials ★3 varies depending on the size. (Refer to the product descriptions.)