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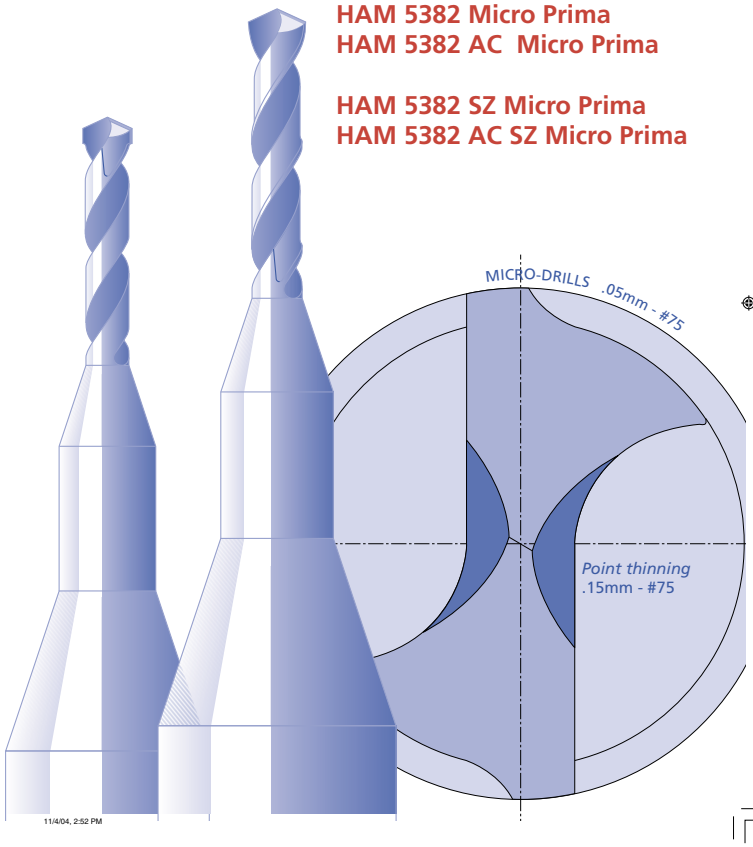
Reg. Nr. 2949-01

HAM MICRO PRIMA

THE NEW GENERATION OF PCB CUTTING TOOLS

HAM 5382 Micro Prima
HAM 5382 AC Micro Prima

HAM 5382 SZ Micro Prima
HAM 5382 AC SZ Micro Prima

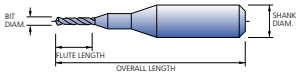


The new generation of HAM Drills is produced using only the finest micro grain carbide (<0.4 micron)

HAM 5382 Micro - Prima

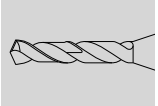
High performance solid carbide micro drills

- *Finest micro grain carbide*
- *Shank dia. 1/8*
- *Overall length 1 1/2*



DIAMETER Size	DIAMETER Inch	FLUTE LENGTH		
0.05mm	.0020	.031		
0.06mm	.0024			
0.08mm	.0031			
0.10mm	.0040	.059		
0.15mm	.0059	.079		
#97	.0059			
#96	.0063			
#95	.0067			
#94	.0071			
#93	.0075			
#92	.0079			
0.20mm	.0079			
#91	.0083	.090		
#90	.0087			
#89	.0091		.137	.188
#88	.0095			
0.25mm	.0098			
#87	.0100			
#86	.0105			
#85	.0110			
#84	.0115			
0.30mm	.0118			
#83	.0120		.216	.275
#82	.0125			
#81	.0130			
#80	.0135			
0.35mm	.0138			
#79	.0145			
1/64	.0156			
0.40mm	.0158	.216	.275	.335
#78	.0160			
0.45mm	.0177			
#77	.0180			
0.50mm	.0197			
#76	.0200			

HAM Special

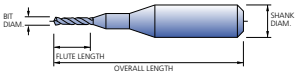


For larger orders we manufacture special drills:
-partially relieved
-additional flute lengths
-special geometries
-special coatings

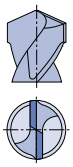
HAM 5382 SZ Micro - Prima

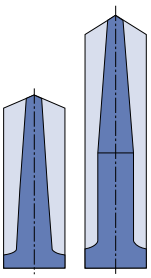
High performance solid carbide micro drills
(undercut)

- *Finest micro grain carbide*
- *Shank dia. 1/8*
- *Overall length 1 1/2*



DIAMETER Size	DIAMETER Inch	FLUTE LENGTH		
#92	.0079			
0.20mm	.0079			
#91	.0083	.090	.137	.188
#90	.0087			
#89	.0091			
#88	.0095			
0.25mm	.0098			
#87	.0100			
#86	.0105			
#85	.0110			
#84	.0115			
0.30mm	.0118			
#83	.0120			
#82	.0125			
#81	.0130			
#80	.0135			
0.35mm	.0138			
#79	.0145			
1/64	.0156	.216	.275	.335
0.40mm	.0158			
#78	.0160			
0.45mm	.0177			
#77	.0180			
0.50mm	.0197			
#76	.0200			



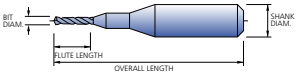


HAM designs and manufactures drill bits with variable web tapers to enhance product performance. Our longer flute drill bits have a dual web taper which allows for a strong bit with plenty of room for evacuation at the back of the flute

HAM 5382 AC Micro - Prima

High performance solid carbide micro drills
(point thinning)

- *Finest micro grain carbide*
- *Shank dia. 1/8*
- *Overall length 1 1/2*



DIAMETER Size	DIAMETER Inch	FLUTE LENGTH	
0.15mm	.0059		
#97	.0059		
#96	.0063	.079	
#95	.0067		
#94	.0071		
#93	.0075		
#92	.0079		
0.20mm	.0079		
#91	.0083		
#90	.0087		
#89	.0091	.137	.188
#88	.0095		
0.25mm	.0098		
#87	.0100		
#86	.0105		
#85	.0110		

#84	.0115		
0.30mm	.0118		
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#82	.0125		
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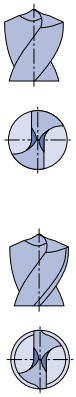
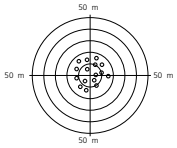


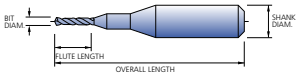
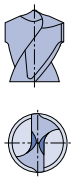
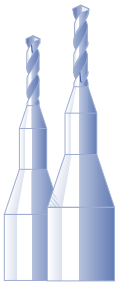


Features about "AC"
-better centering
-vibration free drilling
-less deflection
-longer tool life
-higher process assurance
-optimal hole wall quality
-higher productivity
-cost saving

HAM 5382 AC SZ Micro - Prima

High performance solid carbide micro drills
(point thinning / undercut)

- *Finest micro grain carbide*
- *Shank dia. 1/8*
- *Overall length 1 1/2*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