



75-840-070 Automatic notch milling machine

Standards

ASTM D 256, ASTM D 6110, ISO 179, ISO 180, ISO 8256



Application

The notch milling machine is used to notch plastic specimens in accordance with the standards listed above.

Features

Using a milling head, a V-shaped notch is milled into one side of the specimen. The most important characteristics are the radius and the residual specimen width in the notch root. A pack of Specimens are clamped in an universal clamping device and notched in one pass. Other milling cutters are available for different materials and notch radii. The cutting speed and feed rate are progressively adjustable. New parameter can be typed in by the help of the LCD display.

Technical Data

Tool Diameter	63 mm
Cutting speed	70 - 500 mm/min
Rate of feed	200 - 1000 rpm
Speed range	0.07 to 2.5 mm/rev
Advance Feed length	80 mm
Feed speed	70 - 500 mm/min
Compressed-air supply (cooling)	max. 8 bar

Dimensions and Connection

Dimensions (WxDxH)	650 x 500 x 450 mm
Weight	approx. 57.5 kg
Mains	230 V – 50/60 Hz (110 V on demand)
Power	1000 VA
Interfaces	n.a.
Air	n.a.
Cooling	compressed air
Others	n.a.

Accessories

incl.	Articlenumber	Description
-	75-840-145	Revolving magazine for standard small rods 50 x 6 x 4 mm (requires 75-840-220)
-	75-840-146	Revolving magazine for manufacturing double notches for 12 specimens - according to ISO 179 type 1, ISO 180 and - ISO 8256 type 1 Specimen dimensions: length 80 mm, width 10 mm, thickness 4 mm (requires 75-840-220)
-	75-840-147	Revolving magazine for ASTM specimens ASTM D 6110 + ASTM D 256 (requires 75-840-220)
-	75-840-148	Universal clamping device maximum clamping length 50 mm, for specimens according to: ISO 179 type 1 and ISO 180, ISO 8256 type 1, ASTM D 256 and ASTM D 6110
-	75-840-221	Universal sample magazine incl. extension for Dynstat samples
-	75-840-220	Quick-action clamping elements for all revolving magazines
-	75-840-210 LM	Single-tooth carbide cutter 45 degree, r = 0.25 mm +/- 0.05 mm (notch type A)
-	75-840-212 LM	Single-tooth carbide cutter 45 degree, r = 1.00 mm +/- 0.05 mm (notch type B)
-	75-840-211 LM	Single-tooth carbide cutter 45 degree, r = 0.10 mm +/- 0.02 mm (notch type C)
-	75-840-213 LM	Single-tooth diamond cutter 45 degree, r = 0.25 mm +/- 0.05 mm (notch type A)
-	75-840-215 LM	Single-tooth diamond cutter 45 degree, r = 1.00 mm +/- 0.05 mm (notch type B)
-	75-840-214 LM	Single-tooth diamond cutter 45 degree, r = 0.10 mm +/- 0.02 mm (notch type C)
-	75-840-215 LM	Single-tooth notch cutter PKD, V-shaped, radius 1,0 mm
-	75-840-216 LM	Single-tooth notch cutter HM, U-shaped, width 0,8 mm
-	75-840-217 LM	Single-tooth notch cutter HM, U-shaped, width 2,0 mm
-	9-913-216	Digital Measuring device for measuring the residual specimen width incl. digital dial gauge, measuring range: 0-12 mm, indicating accuracy 0.001 mm
-	205-009-003	Measuring tip for digital Measuring device for measuring the residual specimen width (0.1 mm notch radius - Type C)
-	5-062-148	Measuring tip for digital Measuring device for measuring the residual specimen width (≥ 0.25 mm notch radius - Type A & B)
-	75-840-060	Magnetic valve device for automatic activation of the compressed air during the milling process