

# CHC-520

Cross Hatch Cutter



The CHC-520 Cross Hatch Cutter tests the adhesion of a dry coating onto the substrate to which it is applied.

Correct adhesion is critical in ensuring that a paint system will perform as intended by the manufacturer. Insufficient adhesion can indicate incorrect substrate preparation or paint application.

To measure the adhesion two sets of parallel cuts at ninety degrees to each other are made with a knife resulting in a pattern of similar sized squares. This area can be assessed by using a hard brush or adhesive tape and the results compared with the supplied chart. Different knives are available to test different coating thicknesses and substrates according to different standards.

The CHC-520 Cross Hatch Cutter is supplied in a hard plastic foam filled carry case complete with hard brush, adhesive tape, illuminated magnifier. Depending on your application a knife must be ordered separately.

Complies with International Standards: ISO/DIN 2409, ASTM D3359.

## CROSS HATCH CUTTER ORDERING INFO

7865200	CHC-520 Cross Cut Adhesion Tester Kit contains <ul style="list-style-type: none"> <li>• Soft grip handle</li> <li>• Nylon Brush</li> <li>• Illuminated Magnifier 2.5x</li> <li>• Adhesion tape, single roll, adhesion to steel 4.3 N/cm</li> </ul>
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Excl. knife, must be ordered separately

### CHC-520 knife options acc. to DIN-ISO, 6 teeth

7865210	Teeth distance 1 mm
7865211	Teeth distance 2 mm
7865212	Teeth distance 3 mm

### CHC-520 knife options acc. to ASTM, 11 teeth

7865213	Teeth distance: 1 mm
7865214	Teeth distance: 1,5 mm

## OPTIONAL ITEMS / SPARE PARTS

7865230	Adhesion tape, single roll, adhesion to steel 4.3 N/cm
7865231	Adhesion tape, single roll, adhesion to steel 7.6 N/cm
7865232	Nylon Brush for Cross Cut Adhesion Test
7865233	Illuminated Magnifier 2.5x

## CHOOSE THE RIGHT CUTTER

### ISO 2409 :2003:

- 1 mm. spacing for coatings up to 60 µm on hard substrates
- 2 mm. spacing for coatings up to 60 µm on soft substrates
- 2 mm. spacing for coatings from 61 to 120 µm on both hard and soft substrates
- 3 mm. spacing for coatings from 121 µm to 250 µm on both hard / soft substrates

### ASTM D3359:

- 1 mm. spacing for coatings up to 50 µm
- 1,5 mm. spacing for coatings from 50 to 125 µm

### Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9500E	Data Sheet - HAT-500 Hydraulic Adhesion Tester
MN9440E	Instruction Manual - CHC-520 Cross Hatch Cutter
MN9440E	Instruction Manual - HAT-500 Hydraulic Adhesion Testerr