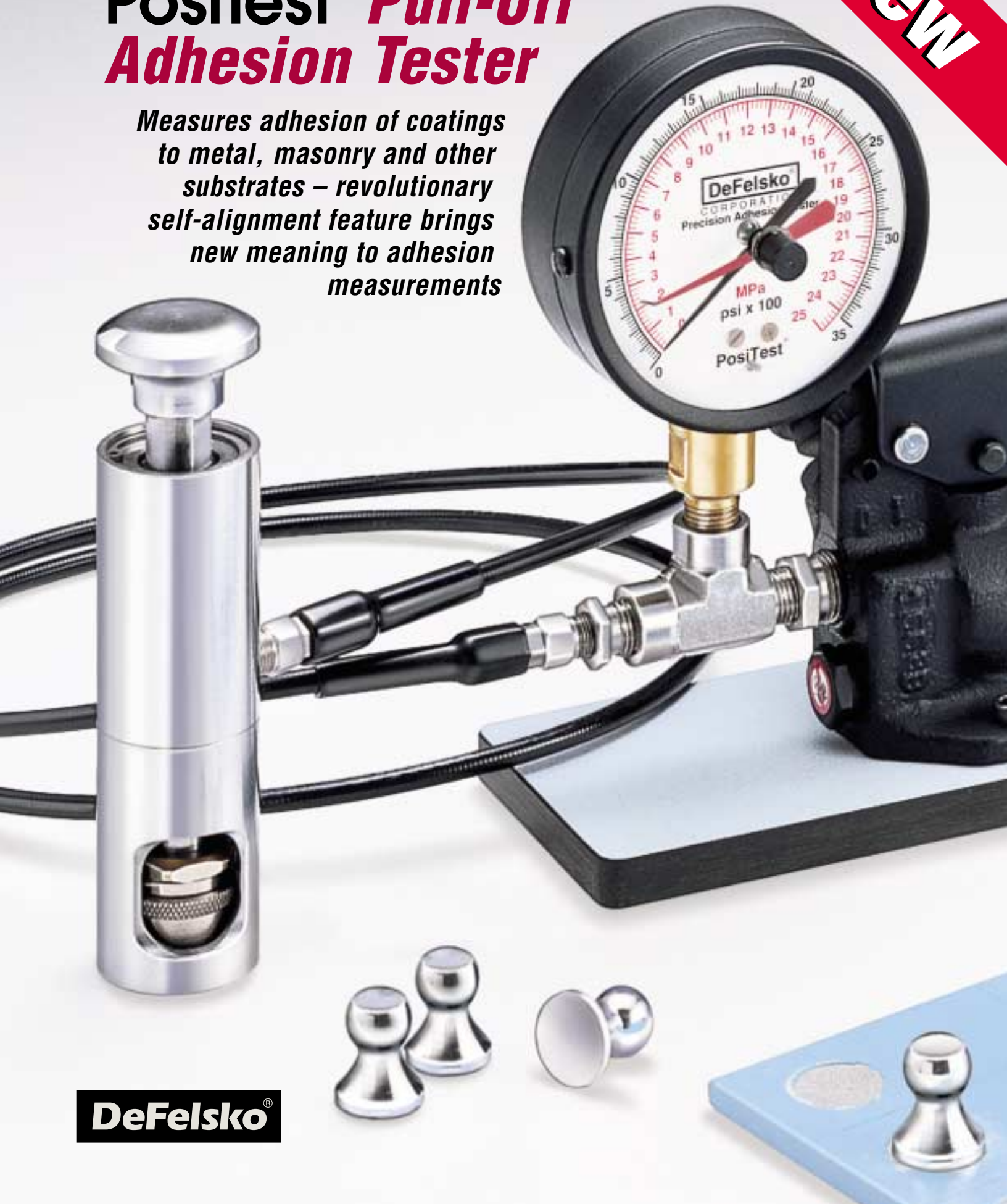


# PosiTest® *Pull-Off* *Adhesion Tester*

*Measures adhesion of coatings  
to metal, masonry and other  
substrates – revolutionary  
self-alignment feature brings  
new meaning to adhesion  
measurements*

**New**



**DeFelsko®**

# PosiTest® Pull-Off Adhesion Tester

**Measures the force required to pull a specified test diameter of coating away from its substrate using hydraulic pressure. The pressure is displayed in both MPa and PSI on a precision dial indicator and can be related to the strength of adhesion to the substrate.**

## MODELS AT-M & AT-P

**Ideal for metal, plastic, and wood substrates**

Model AT-P scale is 0-1000 PSI/0-7 MPa



### Easy-to-use

- Portable, hand-operated instrument can be used in any position and requires no external power source – ideal for the lab and on-site
- Large, easy-to-read scale (94 mm / 3.7 in. dia.)
- Inexpensive, single-use dollies eliminate the need for heating, cleaning or brushing for re-use
- Each kit comes with everything needed for testing

### Reliable

- Every PosiTest Adhesion Tester pressure system is calibrated and certified to  $\pm 1\%$  accuracy (full scale) using NIST traceable load cell
- High-quality, precision dial indicator
- One year warranty
- Conforms with ASTM D4541, ISO 4624

### Versatile

- Self-aligning dolly enables measurement on smooth or uneven surfaces without adversely affecting the test results
- Models available for measuring coating adhesion on any substrate
- 20mm dolly ideal for metal, plastic and wood substrates, 50mm dolly ideal for masonry substrates such as concrete, etc.
- Custom dolly sizes available to meet specific measuring needs – contact supplier for details
- Model AT-C includes unique drilling template for isolating the test area from the surrounding coating – enables testing of thick coatings
- Pressure dial reads in both MPa (metric) and PSI (inch)

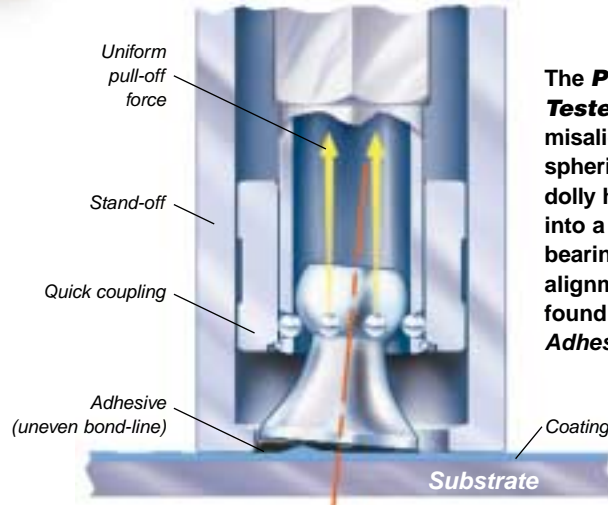


**Unique Test Dollies:** The PosiTest Adhesion Tester uses inexpensive single-use aluminum dollies designed according to internationally accepted standards and practices. They have a full 20 or 50 mm surface diameter with no holes to clean or keep from filling with adhesive.

### Self-Alignment Feature

Unequal pulling force during testing caused by uneven adhesive bond lines and coating surfaces can result in random, unexplainable readings. To obtain more repeatable and meaningful adhesion measurements, it is imperative that the pulling force applied to the test dolly is uniformly distributed over the surface being tested.

The Self-Aligning Dolly enables uniform distribution of the pulling force over the surface being tested, preventing a one-sided pull-off.



The **PosiTest Adhesion Tester** compensates for misalignment. The uniquely spherical articulating dolly head is engaged into a ring of small ball bearings, ensuring correct alignment. This feature is found only on the **PosiTest Adhesion Tester**.

**MODEL AT-C**

*Ideal for masonry substrates*



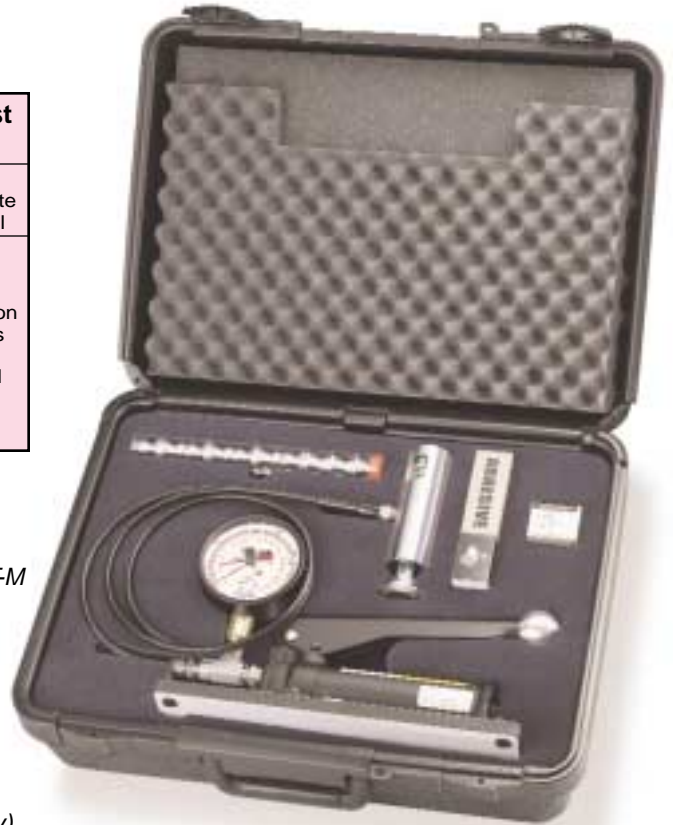
*Drilling template and drill bits to isolate test area included with Model AT-C*

## Ordering Guide

| Model                      | PosiTest AT-C              | PosiTest AT-P                    | PosiTest AT-M              | PosiTest AT-CM                      |
|----------------------------|----------------------------|----------------------------------|----------------------------|-------------------------------------|
| <b>Typical Application</b> | Coatings on Concrete       | Finishes on Plastic, Wood, Metal | Coatings on Metal          | Coatings on Concrete and Metal      |
| <b>Adhesion Strength</b>   | 0 - 500 PSI<br>0 - 3.5 MPa | 0 - 1000 PSI<br>0 - 7 MPa        | 0 - 3100 PSI<br>0 - 21 MPa | Combination of Models AT-C and AT-M |
| <b>Resolution</b>          | 3.2 PSI<br>0.03 MPa        | 10 PSI<br>0.1 MPa                | 20 PSI<br>0.2 MPa          |                                     |
| <b>Dolly Size (mm)†</b>    | 50                         | 20                               | 20                         |                                     |

† Custom dolly sizes available to meet specific measuring needs – contact supplier for details

*Models AT-M and AT-P*



### Each Kit includes:

- Hydraulic hand pump
- Actuator
- Aluminum test dollies
- Abrasive pad
- Cutting tool for 20mm dollies (*Models AT-P, AT-M and AT-CM only*)
- Drilling template and 10 drill bits for thick coatings (*Models AT-C and AT-CM only*)
- Adhesive
- Adhesive mixing sticks and palettes (*5 each*)
- Cotton swabs for adhesive compatibility test (*5 each*)
- Instruction booklet
- Certificate of Calibration showing traceability to NIST
- One-year warranty
- Sturdy, lightweight carrying case

### Kit Weight and Dimensions

#### Weight of Kit (with case)

|             |                  |
|-------------|------------------|
| Model AT-C  | – 18 lbs./8.1 kg |
| Model AT-P  | – 14 lbs./6.3 kg |
| Model AT-M  | – 14 lbs./6.3 kg |
| Model AT-CM | – 19 lbs./8.6 kg |

#### Carrying Case Dimensions

|   |                      |
|---|----------------------|
| L | – 19.0 in. / 48.3 cm |
| W | – 7.5 in. / 19.0 cm  |
| H | – 14.5 in. / 36.8 cm |

*Model AT-C*



**DeFelsko®**  
*The Measure of Quality*

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