

## Grips & Fixture Selection Guide

| Pneumatic Grips            | Model Number | Capacity |           | Sample Thickness |
|----------------------------|--------------|----------|-----------|------------------|
|                            |              | N        | lbf       |                  |
| Vice Grip with Hand Switch | TG420/H      | 500 N    | 112.5 lbf | 6 mm (1/4 in)    |
| Vice Grip with Foot Switch | TG420/F      | 500 N    | 112.5 lbf | 6 mm (1/4 in)    |
| Vice Grip with Hand Switch | TG412/H      | 5 kN     | 1124 lbf  | 6 mm (1/4 in)    |
| Vice Grip with Foot Switch | TG412/F      | 5 kN     | 1124 lbf  | 6 mm (1/4 in)    |

### TG420

#### Pneumatically Actuated Vice Grip

This pneumatically actuated vice action grip is operated with a foot pedal (TG420/F) or can be specified for hand operation (TG420/H). Both grip types are supplied with standard plain 25 x 25 mm (0.98 x 0.98 in) metal faces. Optional jaw faces are available.

#### Capacity

500 N, 112.5 lbf

#### Packaging

Includes upper and lower grips with standard plain metal faces. The TG420 is not included when ordering optional jaw faces.

#### Applications

General purpose tensile testing for rubber, plastic, textiles and other materials where self-tightening is required.



#### Optional Jaw Faces for TG420

| Face Type | Dimension                    | Model No. | Part No. |
|-----------|------------------------------|-----------|----------|
| Cross Cut | 25 x 25 mm<br>0.98 x 0.98 in | TG420/C1  | 01/1440  |
| Cross Cut | 25 x 50 mm<br>0.98 x 1.97 in | TG420/C4  | 01/1566  |
| Plain     | 25 x 25 mm<br>0.98 x 0.98 in | TG420/P1  | 01/1438  |
| Plain     | 50 x 50 mm<br>1.97 x 1.97 in | TG420/P4  | 01/1559  |
| Rubber    | 25 x 25 mm<br>0.98 x 0.98 in | TG420/R1  | 01/1439  |
| Rubber    | 25 x 50 mm<br>0.98 x 1.97 in | TG420/R2  | 01/1521  |
| Rubber    | 50 x 50 mm<br>1.97 x 1.97 in | TG420/R4  | 01/1558  |

#### Jaw Face Options



Cross Cut Faces



Plain Faces



Rubber Faces

*Note: See pages 93-113 for adapters required to fit grips to force gauges, loadcells, and test stands.*

#### Ordering Information

| Model   | Part No. | Description   |
|---------|----------|---|
| TG420/F | 01/1437  | Foot Switch Operated Pneumatic Vice Grips - 500 N (112.5 lbf) |
| TG420/H | 01/1452  | Hand Switch Operated Pneumatic Vice Grips - 500 N (112.5 lbf) |