

# Heli-Coil® Tangless® tools

## Installation and Removal Tools

Tangless® inserts may be installed by hand or electronic power tooling with the same mandrel assembly.

Front end assemblies are also available for pneumatic power tooling.

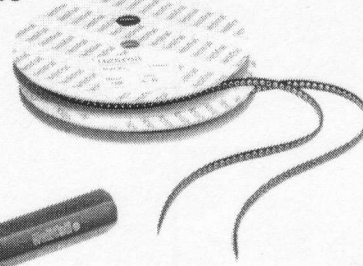
- Tooling utilizes a "blade" that applies torque to a notch in the end of the coil for installation.
- Installation depth can be adjusted easily for virtually any application.
- Driving blades are replaceable and increase the overall life of the tool.



8050-50

Electronic tool & power supply

Strip-feed reels, available in all sizes



Hand installation tool

## Heli-Coil Tangless® Hand Installation Tooling

| Nominal Thread Size | Hand Installation Tool |             | Replacement Installation Blade Kit** |             | Removal Tool (with handles) | Electronic Driver* |
|---------------------|------------------------|-------------|--------------------------------------|-------------|-----------------------------|--------------------|
|                     | Crank Style            | Gauge Style | Crank Style                          | Gauge Style |                             |                    |
| 2-56                | 17551-02               | 7571-02     | 17551-02-5                           | 7571-02-5   | 7570-02                     | 8050-400C          |
| 4-40                | 17551-04               | 7571-04     | 17551-04-5                           | 7571-04-5   | 7570-04                     | 8050-400C          |
| 6-32                | 17551-06               | 7571-06     | 17551-06-5                           | 7571-06-5   | 7570-06                     | 8050-400C          |
| 8-32                | 17551-2                | 7571-2      | 17551-2-5                            | 7571-2-5    | 7570-2                      | 8050-400C          |
| 10-24               | 17551-3                | 7571-3      | 17551-3-5                            | 7571-3-5    | 7570-3                      | 8050-650C          |
| 1/4-20              | 17551-4                | 7571-4      | 17551-4-5                            | 7571-4-5    | 7570-4                      | 8050-650C          |
| 10-32               | 17552-3                | 7572-3      | 17552-3-5                            | 7572-3-5    | 7570-3                      | 8050-650C          |
| 1/4-28              | 17552-4                | N/A         | 17552-4-5                            | 7572-4-5    | 7570-4                      | 8050-650C          |

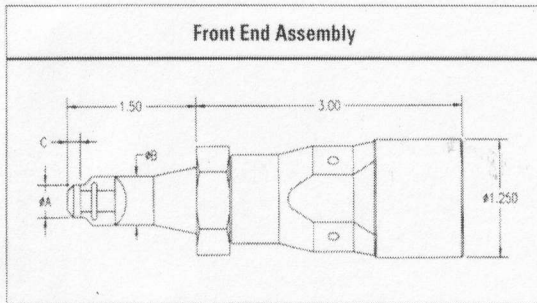
## Heli-Coil Tangless® Power Tooling\*\*\*

| Nominal Thread Size | Front End Assembly | Replacement Mandrel Assembly |                   | Replacement Blade |
|---------------------|--------------------|------------------------------|-------------------|-------------------|
|                     |                    | Mandrel Assembly             | Replacement Blade |                   |
| 2-56                | 18551-02-15        | 18551-02-30                  | 18551-02-2        |                   |
| 4-40                | 18551-04-15        | 18551-04-30                  | 18551-04-2        |                   |
| 6-32                | 18551-06-15        | 18551-06-30                  | 18551-06-2        |                   |
| 8-32                | 18551-2-15         | 18551-2-30                   | 18551-2-2         |                   |
| 10-24               | 18551-3-15         | 18551-3-30                   | 18551-3-2         |                   |
| 1/4-20              | 18551-4-15         | 18551-4-30                   | 18551-4-2         |                   |
| 10-32               | 18552-3-15         | 18552-3-30                   | 18552-3-2         |                   |
| 1/4-28              | 18552-4-15         | 18552-4-30                   | 18552-4-2         |                   |

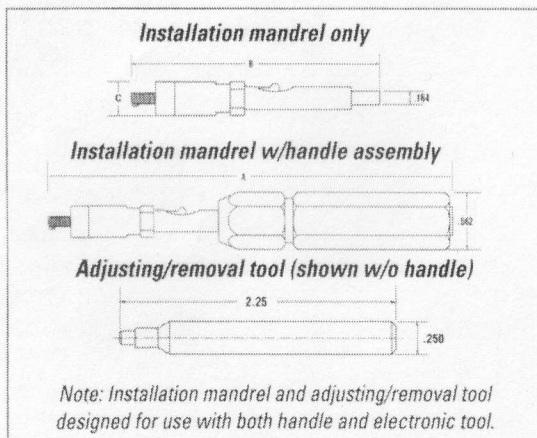
\* An electronic driver requires a power supply, part number 8050-50.

\*\* Includes blade, spring and pin.

\*\*\* For use with Heli-Coil® Pneumatic Installation Tools & Adapters.



| Nominal | A<br>Nose Diameter | B<br>Body Diameter | C<br>Prewinder Tip Length |
|---------|--------------------|--------------------|---------------------------|
| 2-56    | .32                | .32                | .09                       |
| 4-40    | .25                | .40                | .13                       |
| 6-32    | .32                | .50                | .14                       |
| 8-32    | .35                | .51                | .15                       |
| 10-24   | .38                | .51                | .19                       |
| 10-32   | .38                | .51                | .15                       |
| 1/4-20  | .42                | .63                | .22                       |
| 1/4-28  | .42                | .63                | .22                       |



## Installation Tool Dimensions

| Nominal Thread Size | "A"<br>Overall Length (reference) | "B"<br>Mandrel Length | "C"<br>Spinner Diameter |
|---------------------|-----------------------------------|-----------------------|-------------------------|
| 2-56                | 5.33                              | 2.80                  | .240                    |
| 4-40                | 5.43                              | 2.90                  | .240                    |
| 6-32                | 5.53                              | 3.00                  | .360                    |
| 8-32                | 5.68                              | 3.15                  | .360                    |
| 10-24               | 5.53                              | 3.00                  | .370                    |
| 10-32               | 5.53                              | 3.00                  | .370                    |
| 1/4-20              | 5.53                              | 3.00                  | .370                    |
| 1/4-28              | 5.53                              | 3.00                  | .370                    |