

# FlexArm™

Tapping & Assembly  
Arm Solutions

## FlexArm with Helicoil Insertion Tool

**SAVE TIME – SAVE MONEY – REDUCE OPERATOR FATIGUE - INCREASE PRODUCTIVITY**



- Counterbalance tool weight
- Keep tool perpendicular
- Maintain consistency & accuracy in operations
- Helicoil insertion from 2-56 to 1/2"
- Available in work ranges from 8" to 57"
- Includes strip feed knob
- Helicoil depth control

**Contact your FLEXARM specialists at**

**PH: 800-837-2503**

**Fax: 419-738-8140**

**website: [www.flexarminc.com](http://www.flexarminc.com)**

**email: [flexarm@flexarminc.com](mailto:flexarm@flexarminc.com)**

**851 Industrial Drive**

**Wapakoneta, OH 45895-9239**

# The FlexArm Helicoil installation tool

Your **FlexArm Helicoil** installation tool is comprised of an Assembly Arm, 1500 RPM Air Motor, a small or large adaptor and a front end assembly. Together it is a complete system designed to meet the needs of your unique application, ensuring precise, quality results every time. The FlexArm insertion tool is capable of installing inserts from 2-56 to 1/2" and M2.5 to M14 fine and coarse thread sizes.

The Front End Assembly prewinder threads are designed to compress and guide the insert for easier installation. In addition, the FlexArm Helicoil system features semi-automatic installation: Press the lever to install the insert, release the lever and the air motor reverses. **Tangless Front End Assemblies are also available** – contact us about the best solution for your unique application.

---

## How to Order –

Complete Tool Requires the Following Parts:

- Assembly Arm
- Air Motor
- Adapter
- Front End Assembly
- Filter/Lubricator with Regulator
- Strip Feed Knob with Spacer



### Assembly Arm

*Choose your arm...*

The FlexArm Assembly Arm will counterbalance tool weight and torque, providing an almost weightless tool experience. Improve ergonomics and reduce operator error and injuries. Each FlexArm Assembly Arm is manufactured under rigid specifications to ensure years of service in your workplace.



### Air Motor

*Add the motor...*

The air motor runs at a powerful 1500RPM to handle your Helicoil installation needs with ease.



## Small and Large Adapters

An adapter acts as a bridge between the air motor and the front end assembly. A small adaptor is used for sizes 2-56 to 1/4" (M2.2 to M7) and a large adaptor is available for inserting 5/16" to 1/2" (M8 to M14). For information on specific sizes, see the FlexArm Helicoil Tools and Accessories List on the back page.



## Friction Clutch

The friction clutch is used with the small adaptor to reduce torque for #2-56 & 4-40.



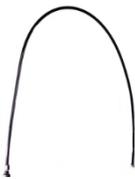
## Front End Assembly

The Front End Assembly is available for a variety of thread sizes and is designed to install 2-56 to 1/2" (M2.2 to M14) inserts. For information on specific sizes, see the FlexArm Helicoil Tools and Accessories List on the back page. Front end assemblies include nozzle, mandrel, shims, cushions and spaces.



## Filter/Lubricator with Regulator

The Filter/Lubricator with Regulator is critical to the longevity of the pneumatic system. The Filter/Lubricator cleans the air, allows precise control of the air pressure, and lubricates the air motor. Each front-end assembly is stamped with a maximum air pressure and the Filter/Lubricator with Regulator system ensures the air pressure never exceeds that value. A Filter/Lubricator with Regulator is required for each air motor in operation.



## Hose

The hose ensures an effective supply of air will power your pneumatic system. A 65" length is needed for optimal results (sold by the inch).



## Strip Feed Knob with Spacer

The Strip Feed Knob holds the helicoils on the reel. As with every FlexArm component, you can be sure your inserts will be held and fed securely when your system wears the FlexArm label.



## HELICOIL TOOLS AND ACCESSORIES

(Tangless FEA available on request)

ARM OPTIONS:		MOTOR OPTIONS:		FRONT END ASSEMBLY COMPONENTS:			
Description	P/N	Description	P/N	<b>NOZZLE</b> (PREWINDER)		<b>MANDREL</b>	
Arm Range 8-28"	CVA-10	PNEUMATIC INSTALLATION TOOL, 1500 RPM	56010	<b>SIZE</b>	P/N	<b>SIZE</b>	P/N
Arm Range 19-37"	FAV-14	SMALL ADAPTER SIZES 2-56 TO 1/4" (M2.2 TO M7)	56030	<b>UNC – COARSE</b>			
Arm Range 21-46"	FAV-18	FRICTION CLUTCH Use with SMALL ADAPTOR to reduce torque for #2-56 & 4-40	FRCL	2-56	53528	2-56	53529
Arm Range 30-57"	FAV-24	LARGE ADAPTER SIZES 5/16" TO 1/2" (M8 TO M14)	56040	4-40	53548	4-40	53549
Arm Range 19-37"	FAV-14-20			5-40	53558	5-40	53559
F/L WITH REGULATOR	0390			6-32	53568	6-32	53569
HOSE (65"L) – (sold per inch)	360023			8-32	53588	8-32	53589
<b>UNC FRONT END ASSEMBLY - COARSE</b>		<b>UNF FRONT END ASSEMBLY - FINE</b>		10-24	53608	10-24	53609
2-56	53520	6-40	54560	1/4-20	53048	1/4-20	53049
4-40	53540	10-32	54600	5/16-18	53058	5/16-18	53059
5-40	53550	1/4-28	54040	3/8-16	53068	3/8-16	53069
6-32	53560	5/16-24	54050	7/16-14 *	53078	7/16-14 *	53079
8-32	53580	3/8-24	54060	1/2-13 *	53088	1/2-13 *	53089
10-24	53600	7/16-20 *	54070	<b>UNF – FINE</b>			
1/4-20	53040	1/2-20 *	54080	6-40	54568	6-40	54569
5/16-18	53050			10-32	54608	10-32	54609
3/8-16	53060			1/4-28	54048	1/4-28	54049
7/16-14 *	53070			5/16-24	54058	5/16-24	54059
1/2-13 *	53080			3/8-24	54068	3/8-24	54069
<b>METRIC FRONT END ASSEMBLY - COARSE</b>		<b>METRIC FRONT END ASSEMBLY - FINE</b>		7/16-20 *	54078	7/16-20 *	54079
M2.5 X 0.45	55250	M8 X 1.0	57080	1/2-20 *	54088	1/2-20 *	54089
M3 X 0.5	55030	M10 X 1.0	58100	<b>METRIC – COARSE</b>			
M3.5 X 0.6	55350	M10 X 1.25	57100	M2.5 X 0.45	55258	M2.5 X 0.45	55259
M4 X 0.7	55040	M12 X 1.25 *	58120	M3 X 0.5	55038	M3 X 0.5	55039
M5 X 0.8	55050	M12 X 1.5 *	57120	M3.5 X 0.6	55358	M3.5 X 0.6	55359
M6 X 1.0	55060			M4 X 0.7	55048	M4 X 0.7	55049
M7 X 1.0	55070			M5 X 0.8	55058	M5 X 0.8	55059
M8 X 1.25	55080			M6 X 1.0	55068	M6 X 1.0	55069
M8 X 1.25 (3D)	55081			M7 X 1.0	55078	M7 X 1.0	55079
M10 X 1.5	55100			M8 X 1.25	55088	M8 X 1.25	55089
M12 X 1.75 *	55120			M8 X 1.25 (3D)	55090	M8 X 1.25 (3D)	55091
<b>* = STRIP FEED NOT AVAILABLE</b>				M10 X 1.5	55108	M10 X 1.5	55109
		STRIP FEED KNOB WITH SPACER	658103	M12 X 1.75 *	55128	M12 X 1.75 *	55129
		CVA STRIP FEED BRACKET	223209	<b>METRIC – FINE</b>			
				M8 X 1.0	57088	M8 X 1.0	57089
				M10 X 1.0	58108	M10 X 1.0	58109
				M10 X 1.25	57108	M10 X 1.25	57109
				M12 X 1.25 *	58128	M12 X 1.25 *	58129
				M12 X 1.5 *	57128	M12 X 1.5 *	57129
				<b>SPACER KIT #360030</b>			
				KIT INCLUDES: SPACERS, WASHERS, CUSHIONS, DRIVE PINS			
				Drive Pin #2 thru 1/4"	360028	Drive Pin 5/16" (M7) & up	360029
				<b>* = STRIP FEED NOT AVAILABLE</b>			

### NOTE:

ALL FRONT END ASSEMBLIES LISTED WILL ONLY ACCOMMODATE HELICOILS WITH LENGTHS UP TO 2x THE DIAMETER (2d)  
**FRONT END ASSEMBLIES INCLUDE:** NOZZLE, MANDREL, SHIMS, CUSHIONS AND SPACERS