

2022



Your Solutions Provider!

Jiffy Air Tool History



Jiffy Headquarters & Manufacturing Facility
Carson City, NV USA



Your Solutions Provider!



Jiffy Air Tool is an 80-year-old market leading solutions provider specializing in hand held, limited access, pneumatic drilling and fastener installation tools for the Aerospace and Aircraft industries. Jiffy Air Tool was founded in the 1940's to support a growing post war commercial aircraft industry in Southern California, later relocating in 1977 to our current facility in Carson City, NV.

Jiffy Air Tool offers an extensive line of specialty hand-held pneumatic tools for airframe assembly, maintenance, repair and overhaul facilities around the globe. Each tool provides hours of trouble-free operation to make the operator's job considerably easier. Designed and built to reach into difficult areas for all your "drill and fill" applications.

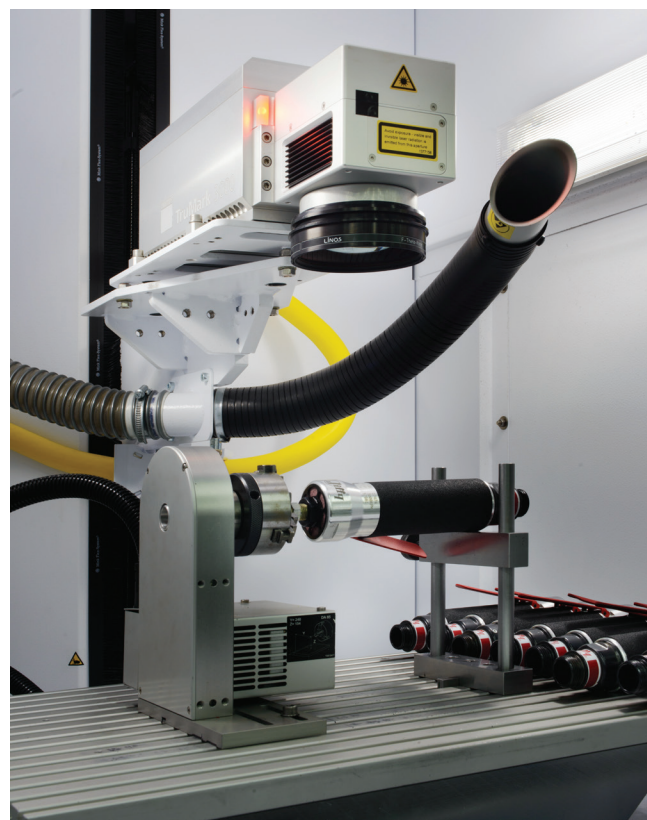
The Jiffy product line is designed, engineered, machined and assembled in Carson City, Nevada, USA. Offering top-notch quality products that are built-to-last and priced competitively make Jiffy tools hard to beat. Team Jiffy is famous for their personal touch and speedy response time. This winning combination keeps our customers satisfied and coming back.

www.jiffyairtool.com

Manufacturing & Testing Equipment



Jiffy engineers can draw and 3D model attachments to assure fit for your specific applications.



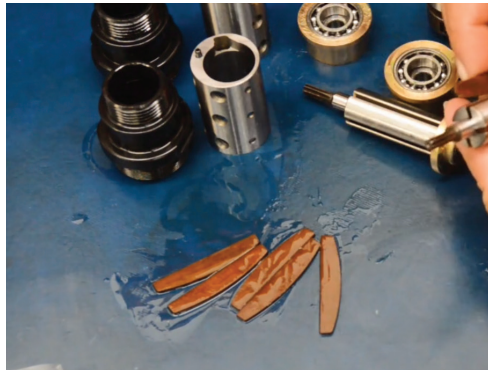
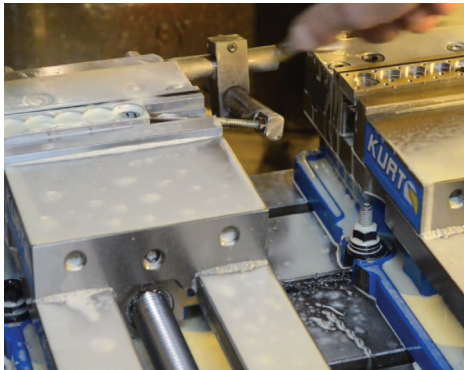
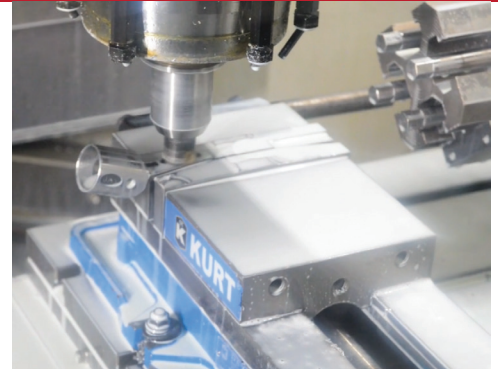
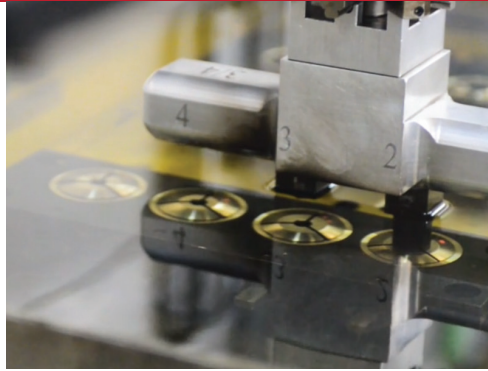
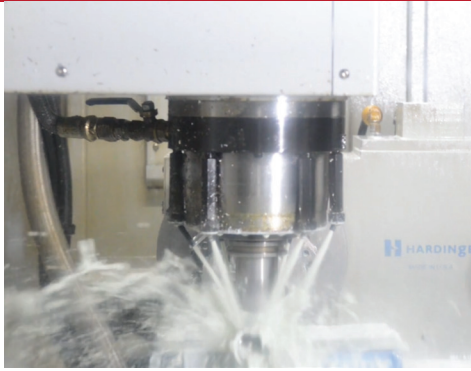
Aerospace demands for ultra-high performance materials led to the development of the C-type 18% nickel maraging tool steels. The strongest of this type of material is C-350 with a nominal ultimate tensile strength of 350 ksi or 350,000 pounds per square inch.

This material has higher strength and better wear properties than any material we have tested. All gears in Jiffy Air Tool attachments are made from this superior material.

You will find the same devotion to quality in all of our parts; housings made from A2, cover plates made from 1095 spring steel, and drive shafts made from chrome-moly tool steel. The limited space available for airframe assembly demands strong, small tools and we pride ourselves in providing the tools that meet and exceed those demands.



Your Solutions Provider!



Jiffy doesn't just make promises to its customers, we strive to always meet specifications and exceed expectations. That is why every tool is meticulously hand assembled and tested to our rigorous standards.

Modular Tool Platforms - Drilling



Jiffy Air Tool pioneered the “Modular Tool” platform for drill motors and attachments (JMD). Utilizing this platform, Jiffy motors accept a wide variety of drill attachments to meet customers’ limited access requirements.

- Forward running, reverse running and reversible
 - Straight Style and Safety Trigger Option Available
 - Pistol Grip Style
 - 250 – 20,000 RPM
 - 0.3 – 1.5 HP
- Available Thread Sizes: 1/4-28, 10-32, 9/32-40, 5/16-24, 3/8-24 and 7mm Collet



Your Solutions Provider!

Modular Tool Platforms - Fastener Installation



Jiffy also offers a platform of modular installation tools (JMI). Utilizing this platform, Jiffy installation motors accept a wide variety of install attachments to meet customers' limited access requirements.

Modular attachments are available in 17° Indexable or Fixed, 20° Indexable or Fixed, "L" Type Attachments, and Straight Install Attachments. We offer various series of the above mentioned attachments - the series correlates to the torque capacity of the fastener.

To further the versatility of the attachments we offer three drive styles: A socket and key system, a flush gear with a key and a hex through with no key control to allow access to confined space installations.

In addition to the modular installation tools we also offer Ratchet Install Tools in Straight, 17° and 20° head styles.

Modular .45 HP Drills (JMD) & Install Tools (JMI)

SPECIFICATIONS

JMD Pistol Motors



JMD Straight Motors



JMI Pistol Motors



JMI Straight Motors



Jiffy Model No.	Motor (HP)	Speed (RPM)	Length (IN)	Length (MM)	Weight (LBS)	Weight (KG)	Noise (dBA)	Air Cons. (CFM)	Vibration (m/sec ²)
JMD PISTOL MOTORS									
23722	0.45	500	5.08	129.0	1.38	0.63	77	22	1.98
23723	0.45	1,000	5.08	129.0	1.38	0.63	77	22	1.98
23724	0.45	2,400	4.57	116.1	1.27	0.58	77	22	1.98
23725	0.45	3,300	4.57	116.1	1.27	0.58	77	22	1.98
23726	0.45	4,500	4.57	116.1	1.27	0.58	77	22	1.98
23727	0.45	6,000	4.57	116.1	1.27	0.58	77	22	1.98
JMD STRAIGHT MOTORS									
24314	0.45	500	7.0	177.8	1.4	0.64	77	22	1.98
24315	0.45	1,000	7.0	177.8	1.4	0.64	77	22	1.98
24316	0.45	2,400	6.1	154.9	1.25	0.57	77	22	1.98
24317	0.45	3,300	6.1	154.9	1.25	0.57	77	22	1.98
24318	0.45	4,500	6.1	154.9	1.25	0.57	77	22	1.98
24319	0.45	6,000	6.1	154.9	1.25	0.57	77	22	1.98
JMI PISTOL MOTORS									
23731	0.45	250	5.08	129.0	1.38	0.63	77	22	1.98
23732	0.45	500	5.08	129.0	1.38	0.63	77	22	1.98
JMI STRAIGHT MOTORS									
24323	0.45	250	6.1	154.9	1.38	0.63	77	22	1.98
24324	0.45	500	6.1	154.9	1.38	0.63	77	22	1.98

- Features powerful .45 HP lubrication free motor
- 6 Speed ranges to cover all material requirements
- Titanium gear case reduces weight and adds durability
- Patented through-handle exhaust improves work environment
- Fully ported throttle valve for unmatched speed control
- Complete housing over-mold insulates handle while reducing grip force
- Can accommodate most drilling attachments



Your Solutions Provider!



SPECIFICATIONS

Jiffy Model No.	Motor (HP)	Speed (RPM)	Length (IN)	Length (MM)	Weight (LBS)	Weight (KG)	Noise (dBA)	Air Cons. (CFM)
23210	0.45	500	5.7	144.8	1.5	.68	77	22
23211	0.45	1,000	5.7	144.8	1.5	.68	77	22
23212	0.45	2,400	5.4	137.2	1.4	.64	77	22
23213	0.45	3,300	5.4	137.2	1.4	.64	77	22
23214	0.45	4,500	5.4	137.2	1.4	.64	77	22
23215	0.45	6,000	5.4	137.2	1.4	.64	77	22

Rec Air Pressure: 90 PSI - 6.2 Bar 1/4-in. NPT Air Inlet Rec. Hose Size 3/8-in. I.D.



Jiffy Palm Drills are supplied without chuck. If a drill chuck is required, please specify when ordering.

- Powerful .45 HP lubrication free motor
 - 6 Speed ranges to cover all material requirements
 - Titanium gear case reduces weight and adds durability
- Patented through-handle exhaust improves work environment
 - Fully ported throttle valve for unmatched speed control
 - Complete housing over-mold insulates hand while reducing grip force

Schatz Testing & Certification



Concurrent with our torque control product expansion, Jiffy Air Tool has partnered with Kistler Instrument's Schatz, certTEST stationary bench to test and certify our products to Boeing Spec. BSS7083 Rev D standards. Each Torque tool is supplied with a test certificate shown below.

	TEST CERTIFICATE		First Sample MCT	
Model 23571-22270U-30.0		Motor - Attachment - Torque		
Serial No. 19K00007		Motor Serial Number		
Date/Time 1/17/2022 4:21:11 PM				
Tester ID 542				
Order Details: S/O - P/N S/O: 2000004898 P/N: 23571-22270U-12465				
Device: cerTEST Stationary 2.5		Model: 5413-5392/65432-E0	Serial #: 5921833	Article #: 18035912
Input Parameters		Results		
Test Point 67% Transducer Max		Evaluation: PASS		
Joint Hardness Soft 88.51 in.lbs				
Tested Parameter Target Units		Tested Parameter Result Target Value Units Result		
Dimension Torque in.lbs		Average 30.017 ±5% 30,000 in.lbs PASS		
Target Torque Value 30,000 in.lbs		Range 1.815 < 6,000 in.lbs PASS		
LL (Lower Limit) 27,000 in.lbs		Sigma 0.64 < 0,900 in.lbs PASS		
UL (Upper Limit) 33,000 in.lbs		Six Sigma 3.841 < 5,400 in.lbs PASS		
Testing Sample Rate 300 Hz		Average - 3σ 28.096 > 27,317 in.lbs PASS		
Threshold Value 3,000 in.lbs		Average + 3σ 31.938 < 32,717 in.lbs PASS		
Snugfit Value 15,000 in.lbs		Capability Index 2,343 > 1,667 PASS		
Test Volume 10		Positional Index 2,334 > 1,333 PASS		
Average Torque Must Be ± 5.0% of Target		Average : 30.017 in,lbs Deviation : 0.056 %		
Range of Values Must Be ± 5.0% of Average		Rmin from Avg. : -3.195 % Rmax from Avg. : 2.852 %		
All Values Must Be ± 10.0% of Target		Rmin from Target : -3,140 % Rmax from Target : 2,910 %		
All Statistical Calculations, Including Capability Index and Positional Index, use a Range of ± 15% per BSS7083 Rev: D Section 5.4.1 (4)				

Aviation is at the forefront of high-tech and innovation. Every aircraft, helicopter, or aerial vehicle is a highly complex machine that requires precision testing and documented certification to ensure optimal performance across every situation and scenario.

For over 60 years, Kistler has been dedicated to providing the most rigorous and accurate testing equipment across the entire Aircraft industry.

Schatz Advanced Quality is a registered trademark of Kistler Instrument Corp.



Your Solutions Provider!

Torque Control Tools-Straight



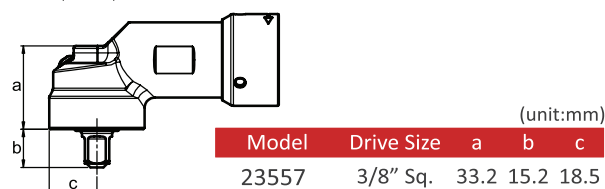
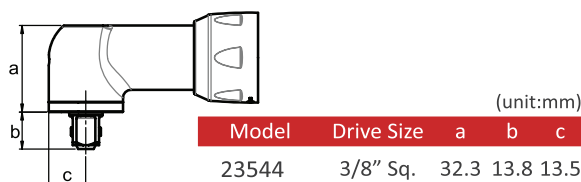
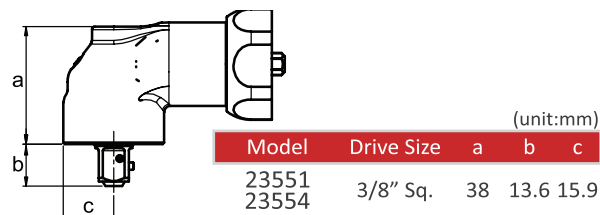
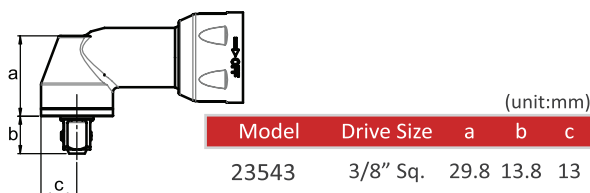
SPECIFICATIONS

MODEL NO.	FREE SPEED (RPM)	TORQUE RANGE (IN-LBS)	TORQUE RANGE (N.m)	LENGTH (IN)	LENGTH (MM)	WEIGHT (LB)	WEIGHT (KG)	AIR INLET (IN) NPT
23541	380	15-45	1.7-5.1	13	330.2	2.5	1.1	1/4
23542	250	35-80	4 - 9	13	330.2	2.5	1.1	1/4
23550	300	70-110	7.9 - 12.4	14.5	368.3	3.8	1.7	1/4
23553	210	100-180	11.3 - 20.3	14.5	368.3	3.8	1.7	1/4
23556	160	165-300	18.6 - 33.7	16	406.4	4.5	2.0	1/4

Jiffy® Torque Control Straight Hi-Lok® Motors

- Jiffy® has expanded our line of precision torque control shut-off tools. Models available include straight and offset designs.
- These units are designed for fasteners requiring a precise yet repeatable torque with minimal torque reaction.
- Models are tested to Six Sigma torque standards.

Aviation Grade Angle Nutrunners



SPECIFICATIONS

Jiffy Model	Drive Size	Screw Size	Torque Range		Free Speed	Weight		Tool Diameter		Tool Length		Air Inlet inch	Noise Level
	inch	mm	in-lb	N.m	rpm	lb	kg	inch	mm	inch	mm	NPT	dB(A)
23543*	3/8" Sq.	M5	18 - 53	2 - 6	300	2.57	1.17	1.53	39	12.5	318	1/4"	75
23544*	3/8" Sq.	M5 - M6	20 - 115	2.2 - 13	160	3.03	1.38	1.53	39	13.8	351	1/4"	75
23551	3/8" Sq.	M6	80 - 140	9 - 16	220	3.96	1.8	1.77	45	14.5	369	1/4"	80
23554	3/8" Sq.	M8	125 - 220	14 - 25	150	3.96	1.8	1.77	45	14.5	369	1/4"	80
23557	3/8" Sq.	M10	215 - 400	24 - 45	110	4.62	2.1	1.77	45	16.1	411	1/4"	80

* Available with 1/4" Sq. Drive

Max. Air Pressure: 90 PSI (6.3kg/cm²) / 0.63Mpa

Air Hose Size: 3/8"

Jiffy Angle Nutrunners

- We have expanded our product line to include precision angle nutrunners with torque ranges from 18-400 in-lbs. These units are tested to Six Sigma torque standards.
- Adjustable shut-off clutch provides precise torque repeatability.
- Tools feature a soft grip over mold that provides comfort while reducing grip force. All models have contoured lever throttles and rear exhaust.



Your Solutions Provider!

Torque Control Offset Air Motors



23571



23572



23573



23574



23575

Torque Control Offset Screwdrivers



23578



23579

SPECIFICATIONS

MODEL NO.	DRIVE SIZE	FREE SPEED (RPM)	TORQUE RANGE (IN-LBS)	TORQUE RANGE (N.m)	WEIGHT (LB)	WEIGHT (KG)	AIR INLET (IN) NPT	NOISE LEVEL dB(A)
23571	1/4" Hex	250	15-45	1.7 - 5.1	2.53	1.15	1/4	75
23572	1/4" Hex	250	35-80	4 - 9	2.64	1.20	1/4	75
23573	1/4" Hex	310	70-110	7.9 - 12.4	2.64	1.20	1/4	85
23574	1/4" Hex	220	100-180	11.3 - 20.3	3.10	1.40	1/4	85
23575	1/4" Hex	160	165-300	18.6 - 33.7	3.50	1.45	1/4	85
TORQUE CONTROL OFFSET SCREWDRIVERS								
23578	1/4" Hex Q.C.	250	15-45	1.7 - 5.1	2.53	1.15	1/4	75
23579	1/4" Hex Q.C.	250	35-80	4 - 9	2.64	1.20	1/4	75

New Lube-Free Models

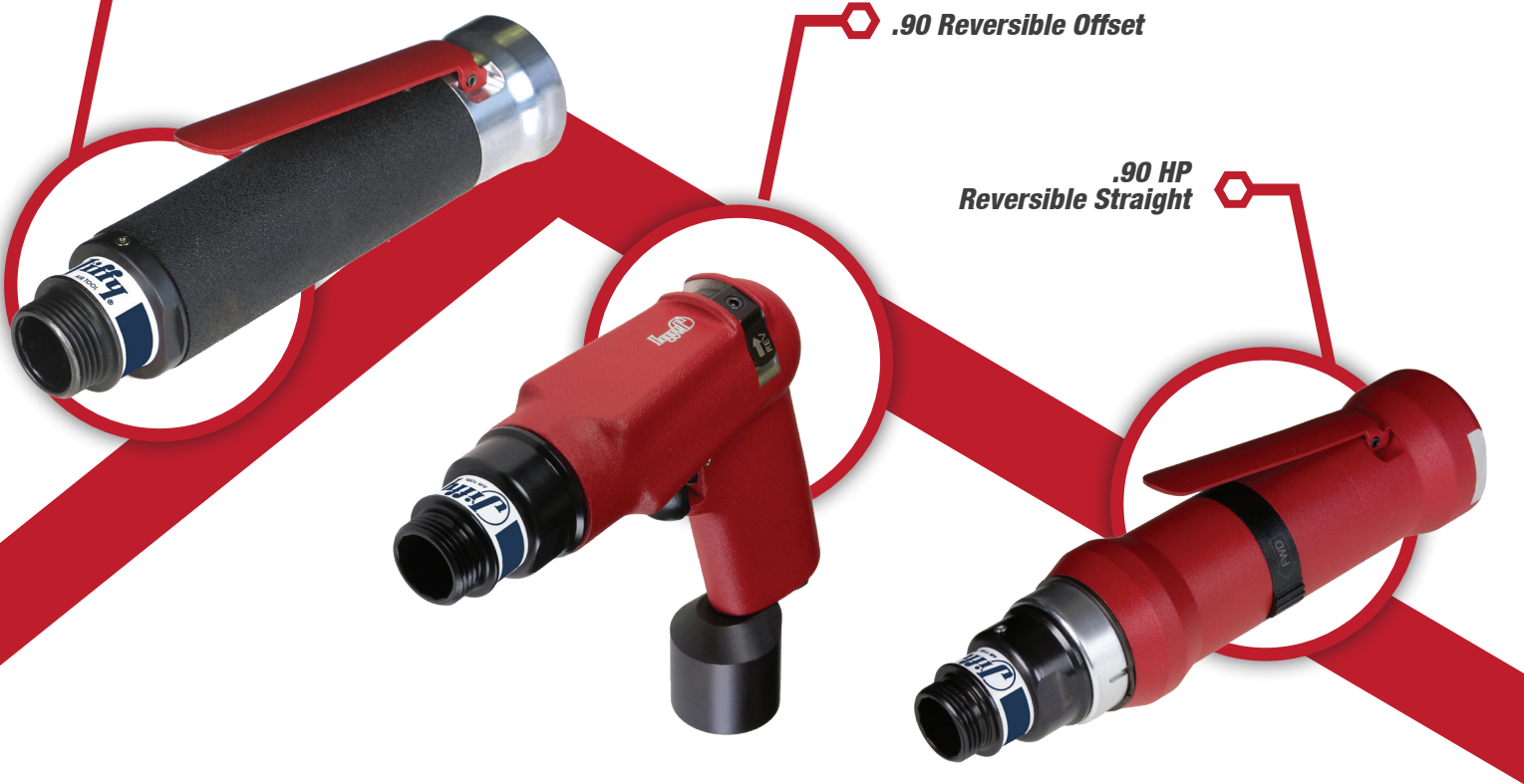


Jiffy has revolutionized our lubrication-free product offering with the development of a proprietary process that greatly reduces friction of the motor parts. With the reduction of friction, benefits include a reduction of heat and reduced component wear. This process also increases the oxidation resistance of the metal. In addition to our friction reduction process, we are utilizing ceramic bearings and composite blade material, which completely eliminates the need for lubrication.

 .85 HP Straight Motors

 .90 Reversible Offset

 .90 HP
Reversible Straight



With these New Jiffy Tools, it is now possible to obtain the same performance as a lubricated tool but without the possibility of oil mist in the work area and possible work surface contamination from oil.

The gear train will continue to require grease lubrication. Please review our Lubrication-Free catalog and discuss options available with your Jiffy Sales Representative.



Download Catalog



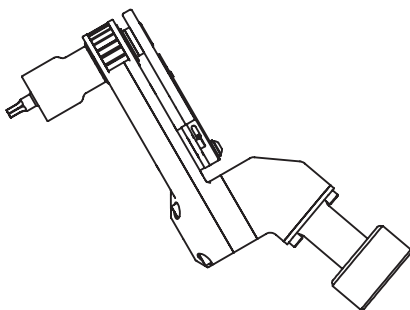
Your Solutions Provider!

Series 5 - High Torque Frangible Collar Installation Tool



25560 Motor

- 2.0 Horsepower
- 150 RPM
- 1200 in-lb Maximum Torque
- Mates to Jiffy Air Tool Series 5 Attachments
- Weight - 13.0 lbs.



Series 5 Attachment

- 20° Fixed or Indexable Available
- 5 Gear - R.640 Nose Radius
- Socket, hex flush, hex-thru styles available

Customized Removal Kits



KT-432



KT-379



KT-378-1



Jiffy® is now introducing Hi-Lok® Removal Kits for use in removing Hi-Lok®, Hi-Lite®, Eddie Bolt® and Huck threaded collars.

Kits are available using the Jiffy® 17° Indexable Attachment and Straight Motor Model KT379 or the L-Type Attachment and Offset motor Model KT378-1.

The innovative sockets feature a conical / tapered shape with helical teeth to grip and remove the collar without jamming the collar into the socket. This kit is suitable for use on aluminum, steel, titanium and all coated collars. The Jiffy® Hi-Lok® Removal Kits will allow operators to remove collars significantly faster, while reducing damage and maintaining pin integrity.



Your Solutions Provider!

Customized Drill & Installation Kits

KT-276



KT-132A

Combine motors with different drill and installation attachments to customize a kit for your application.

- Lower total cost, greater flexibility
- Wide variety of attachments to fit different applications
- High-impact durable case to fit and organize motors and attachments
- Metal name plates documenting all kit contents
- Flash drive with kit information and parts breakdown

Protective Covers

Protective Covers Available for All Attachments

Jiffy has an extensive array of protective covers available for many products in our tool line. Download our protective cover catalog or contact us for additional information.



Full-line Catalogs Available

Torque Control



Eddie Bolt



Lubrication Free



Modular Drill



Installation Tools



Protective Covers



Your Solutions Provider!

Jiffy Air Tool Customers



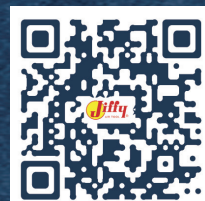
Jiffy Air Tool's reward for Excellence.





HEADQUARTERS

Jiffy Air Tool
2254 Conestoga Drive
Carson City NV 89706-0434 USA
Tel. US & Canada: 800-828-8665
Tel. International: 775-883-1072
sales@jiffyairtool.com



EUROPE

Jiffy Air Tool
Unit 8 Lane End Industrial Park
High Wycombe
Bucks HP143By United Kingdom
Tel. Europe: +49 163 255 48 69
derya@jiffyairtool.com

www.jiffyairtool.com