



SERVING AEROSPACE FOR
THREE GENERATIONS



INSTALLATION TOOL CATALOG

MODULAR STALL SYSTEM





CATALOG 2018

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Prices subject to change without notice.

Prices in U.S. dollars.

FOB Origin, Carson City, NV

Restocking or cancellation charge 50 %



QUALITY BUILT IN

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, bearing shafts made from E52100, and drive shafts made from chrome-moly tool steel. The limited space available for airframe assembly demands strong small tools. Superior materials combined with three generations of experience building tools for aerospace is represented in the modular installation system in this catalog.

From design to manufacturing the people at Jiffy Air Tool always strive to deliver the best tools possible.

CATALOG 2018
Made in the USA

Fixed Attachments

Series 1
17 Degree Fixed
Page 10



Series 1
Sockets & Keys
Page 67

Series 2
17 Degree Fixed
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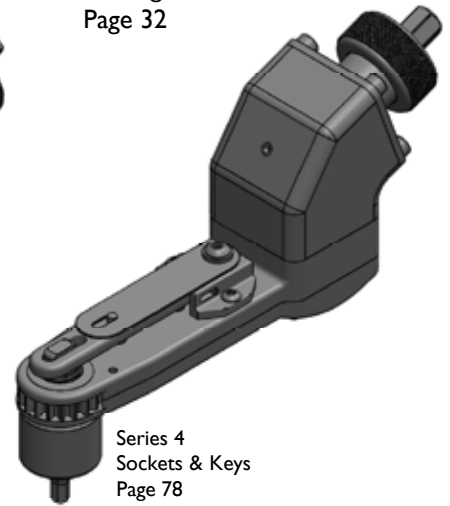


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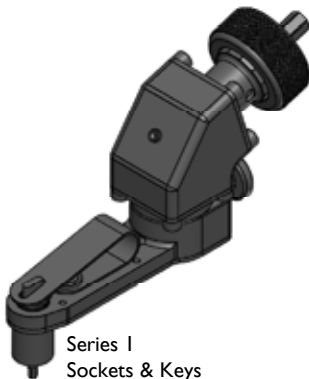
Series 4
20 Degree Fixed
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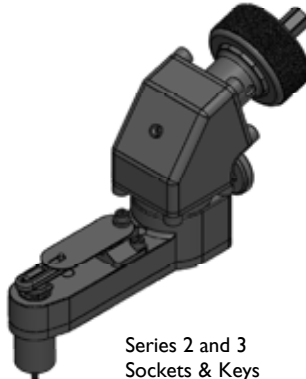
Indexable Attachments

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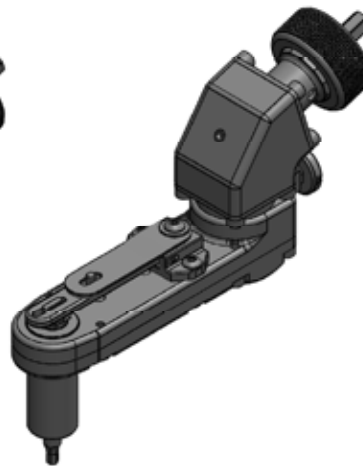
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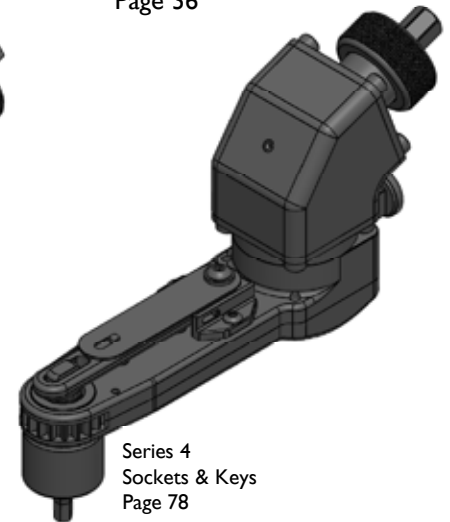


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Sockets & Keys
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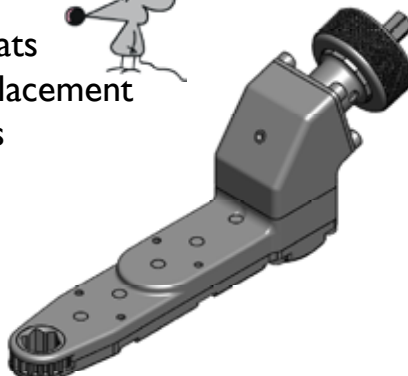


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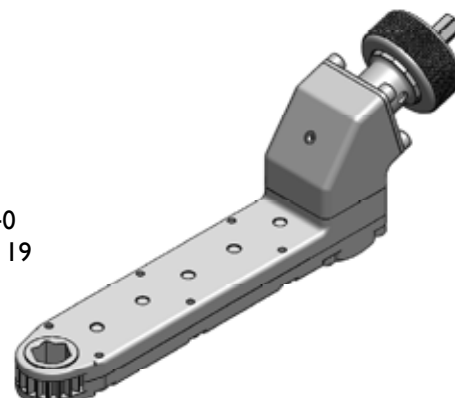
17 degree Rats Ratchet Replacement Attachments



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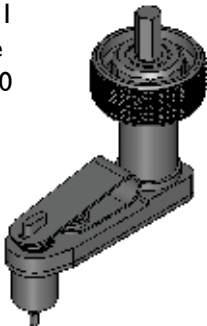
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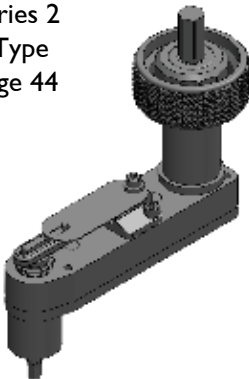


L Type Attachments

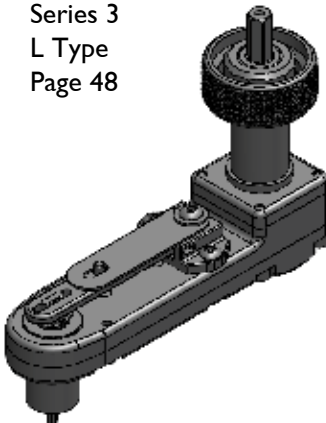
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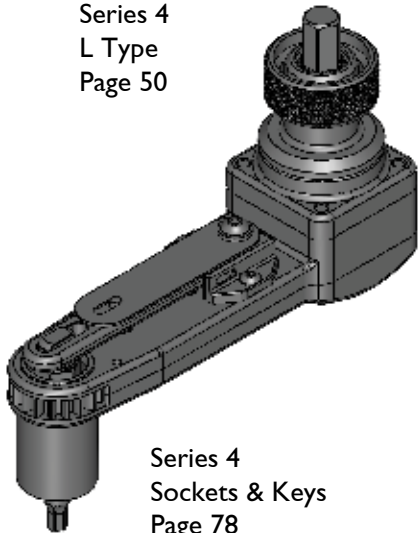
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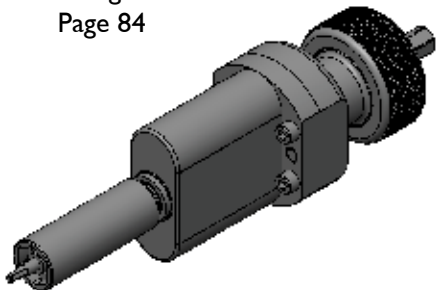
Series 2 and 3
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SERIES 1	Up to 60 inch lbs. / 6.77 Nm
SERIES 2	Up to 120 inch lbs. / 13.55 Nm
SERIES 3	Up to 350 inch lbs. / 39.54 Nm
SERIES 4	Up to 525 inch lbs. / 59.31 Nm

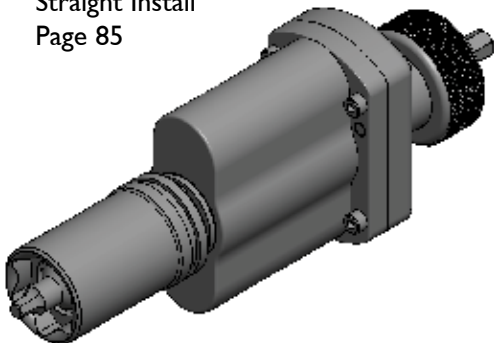
Straight Install

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Straight Install
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Straight Install
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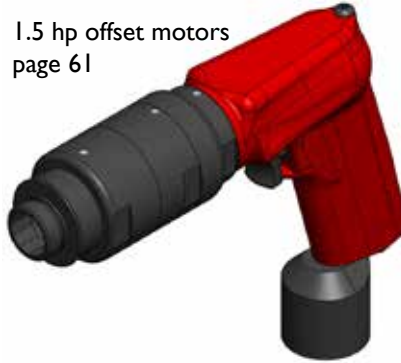
Modular Installation Motors



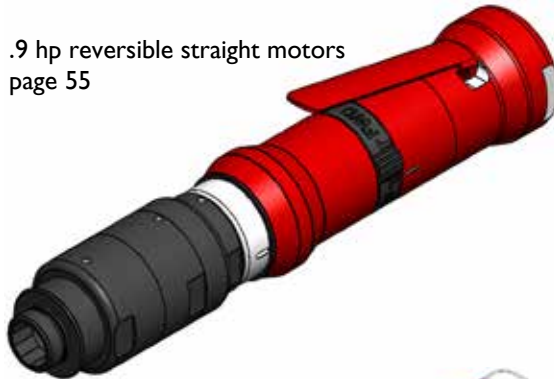
To conform to EC standards straight motors must be ordered with a safety lever (page 60) add -I to motor order number to designate safety lever.



1.5 hp straight motors
page 54



1.5 hp offset motors
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.9 hp reversible straight motors
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.9 hp reversible offset motors
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.85 hp straight motors
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.85 hp offset motors
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.85 hp reverse running
straight motors
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.85 hp reverse running
offset motors
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.3 hp straight motors
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.3 hp offset motors
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.3 hp reverse running
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.3 hp reverse running
offset motors
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Installation Tools and Accessories

20 degree
Ratchet wrench
With .85 hp motors
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CE To conform to EC standards straight motors must be ordered with a safety lever (page 58) add -I to motor order number to designate safety lever.

Straight
Ratchet Wrench
With .85 hp motors
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Maintenance. Page 105
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750 Tab Shear
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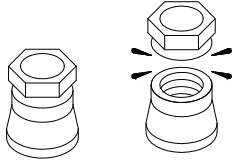
Custom installation kits are the standard at Jiffy Air Tool



- Drastically reduce your number of air motors.
- Our modular system brings complete flexibility to your installation needs.
- Design a custom kit for your work area
- A permanently attached metal name plate identifies the kit number and all components.
- A USB micro drive includes complete information about your kit including:
 1. Parts breakdowns of all attachments and motors.
 2. Listing of all sockets, keys, and accessories.



1



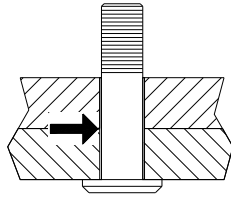
STALL TYPE NUT

TO INSTALL HI-LOK TYPE BREAK AWAY FASTENERS

A STALL TYPE INSTALLATION TOOL is used for this style threaded fastener. The torque value is built into the collar. When it reaches the pre determined torque value the driving hex breaks away leaving the collar (or nut) installed. Care must be taken not to install fasteners with a torque value beyond the design of the attachment.

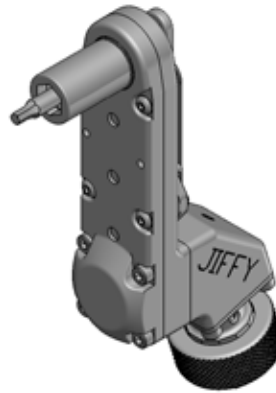
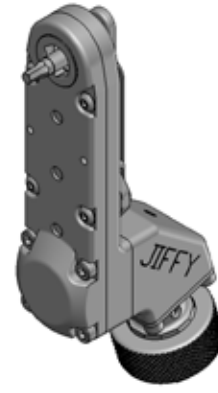
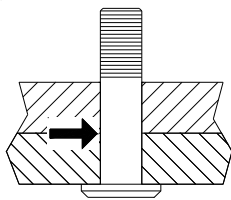
2

HOW ARE THE BOLTS OR PINS FIT INTO THE STRUCTURE ?

LOOSE OR
NON INTERFERENCE FIT

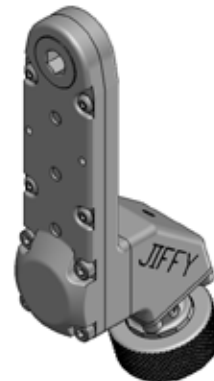
The holes are prepared slightly larger than the shank of the pins. The pins are loose in the holes and need something to hold them from rotating while the fasteners are installed.

The pins have a female hex on the threaded end. We have a hex key system that places a hex key (like an allen wrench) through the socket and into the hex of the pin. This hex key is attached to the tool with a key control assembly and is used to keep the pin from rotating while the collar or nut is installed.

Key control assembly with
socket and keyKey control assembly with
flush gear and key

INTERFERENCE FIT

The holes are prepared slightly smaller than the shank of the pins. The pins are forced into the holes and are held in place by this tight fit. The pins will not rotate when nuts are tightened on them. No key control assembly is needed.

Attachment with hex thru gear
and no key control assembly

While the key control assemblies shown are for 17 degree attachments, the principal is the same for all installation attachments.

"HI-LOK" "HI-LITE" AND "HIGH-TIGUE" ARE TRADEMARKS OF THE HI-SHEAR CORPORATION

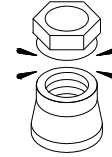
3

TOOL CONFIGURATION

Pick a style of tool that will allow access to the fasteners.
The tool groups correspond to catalog sections.

STALL TYPE INSTALLATION TOOLS

For Hi-Lok Hi-Lite Hi-Tigue Fasteners



17 Degree
Fixed
Angle Heads



Available in
Series 1
Series 2
Series 3

17 Degree
Indexable
Angle Heads



Available in
Series 1
Series 2
Series 3

20 Degree
Fixed
Angle Heads



Available in
Series 4

20 Degree
Indexable
Angle Heads



Available in
Series 4

20 DEGREE
RATCHET
WRENCH



STRAIGHT
RATCHET
WRENCH



L TYPE INSTALLATION



Available in
Series 1
Series 2
Series 3

STRAIGHT INSTALLATION



Available in
Series 2
Series 3

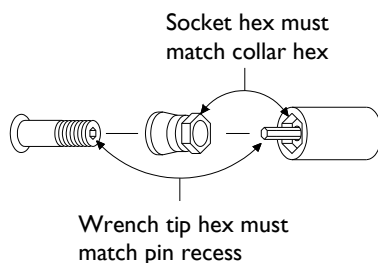
"HI-LOK" "HI-LITE" AND "HIGH-TIGUE" ARE TRADEMARKS OF THE HI-SHEAR CORPORATION

4 WHAT TORQUE VALUE IS REQUIRED BY THE FASTENER

Stall type installation tools need to supply and withstand about twenty percent more torque than is required to install or break away the fastener.

If you don't know what torque the fastener installs at we will test the fastener at Jiffy Air Tool and supply a recommendation.

5 MATCH THE TOOL TO THE FASTENER



If no key control system is used then match the socket, flush nose gear or hex thru nose gear to the collar hex

Typical Socket Sizes available for Series																
SOCKET HEX	7/32	1/4	9/32	5/16	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
SERIES 1	Attachments Rated At 60 Inch Lbs / 6.77 Nm maximum															
SERIES 2	Attachments Rated At 120 Inch Lbs / 13.55 Nm Maximum															
SERIES 3				Attachments Rated At 350 Inch Lbs / 39.54 Nm Maximum												
SERIES 4							Attachments Rated At 525 Inch Lbs / 59.31 Nm Maximum									

Typical Key Sizes available for Series								
KEY SIZE	1/16	5/64	3/32	1/8	5/32	3/16	7/32	1/4
SERIES 1								
SERIES 2								
SERIES 3								
SERIES 4								

Socket tables are arranged by series
Each series is organized by key size matched to sockets.
Series 2 and 3 are combined into series 2 / 3

6 ASSEMBLE A COMPLETE TOOL ORDER NUMBER

1) Motor number-Attachment number-Nose gear number

Add a "U" to the attachment number if no "key control assembly" is required.

Examples include:

A) a socket driver gear is ordered but no key system is required

B) a flush gear is ordered but no key system is required

The key system will automatically be deleted if you order:

A) a hex thru gear

B) a square drive gear

2) Accessory number examples:

A) a socket (with no key control assembly)

B) a socket accessory assembly (key control assembly, socket, and key)

C) a flush gear & key (key control assembly and key to match flush nose gear)

17 DEG SERIES 1

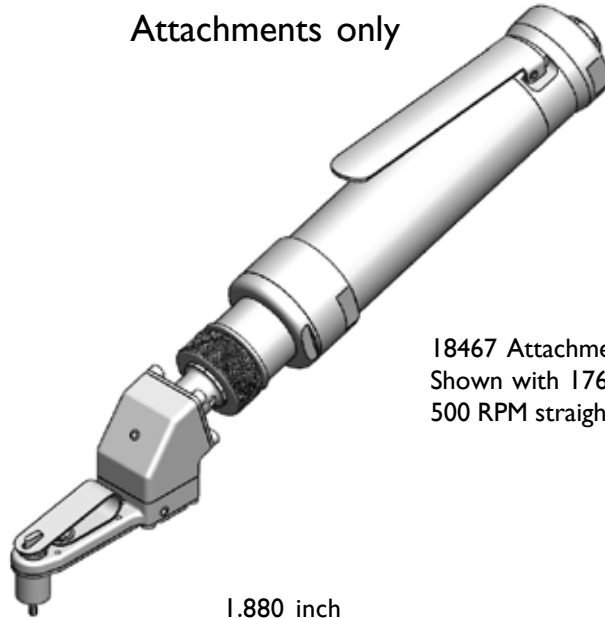
60 Inch Lbs / 6.77 Nm



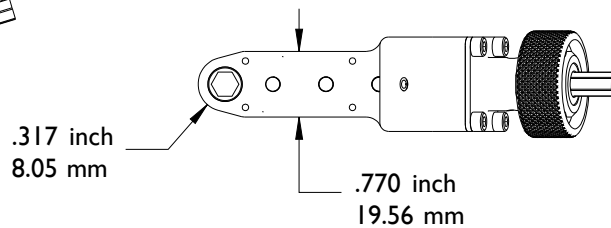
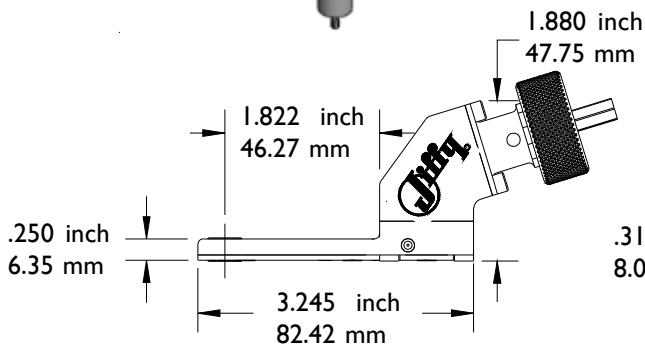
17 DEGREE FIXED INSTALLATION

.317 inch / 8.05mm center to edge distance

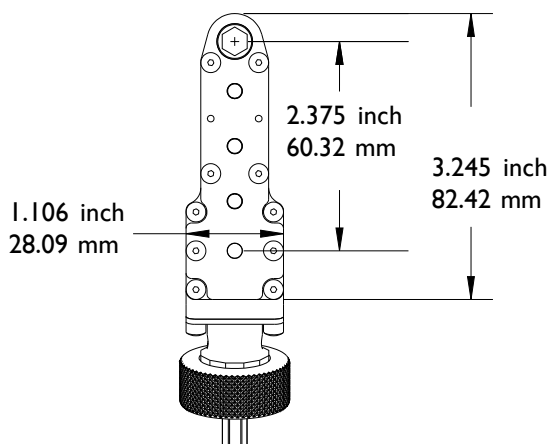
Attachments only



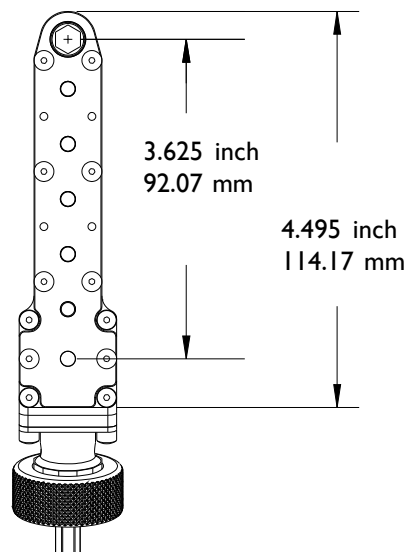
18467 Attachment
Shown with 17676 .85 hp
500 RPM straight motor



You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



18467 ATTACHMENT



20072 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

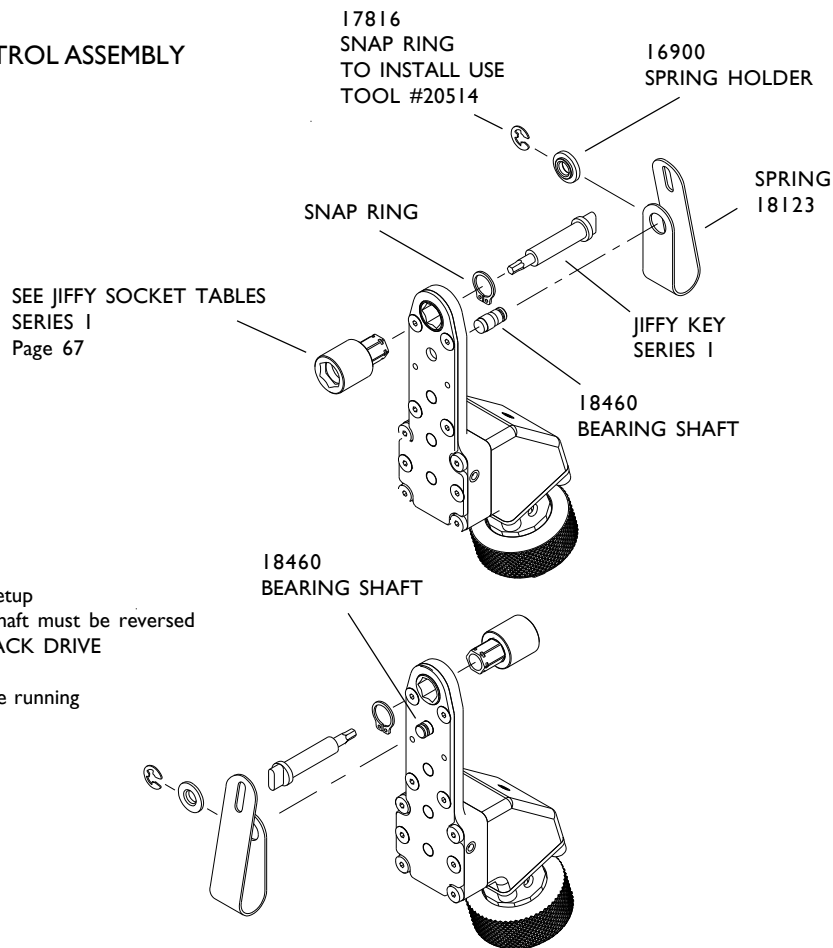
60 Inch Lbs / 6.77 Nm



17 DEGREE FIXED INSTALLATION

.317 inch / 8.05mm center to edge distance

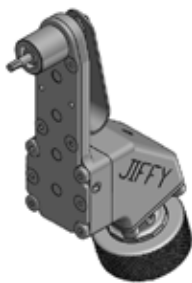
18943
JIFFY KEY CONTROL ASSEMBLY



For BACK DRIVE setup
the 18460 bearing shaft must be reversed
You must specify BACK DRIVE
when ordering.
Reversible or reverse running
motor required.

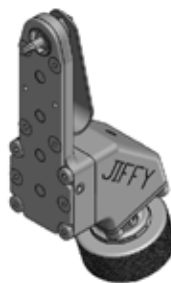
PHONE: 775 883 1072 FAX: 775 883 4857

Nose Gear Selection



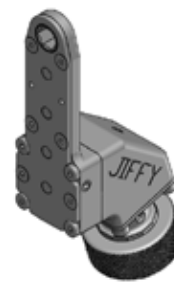
The SOCKET DRIVER will adapt the
attachment to accept Series I Sockets
starting on Page 67
Order with or without the
Jiffy Key System.

PART NO.	SIZE	TYPE
12465	9/32	SOCKET DRIVER
13186	1/4	SQ DRIVE MALE



HEX FLUSH
The socket is built into the nose gear.
Choose the Hex Flush gear and Key
from the table or order without
the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
20400	7/32	HEX FLUSH
20069	1/4	HEX FLUSH
20402	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU
The hex listed runs completely
through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

17 DEG SERIES 1

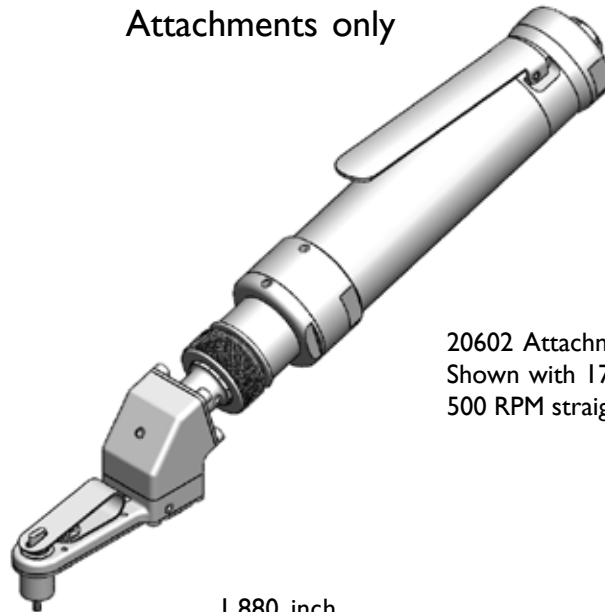
60 Inch Lbs / 6.77 Nm



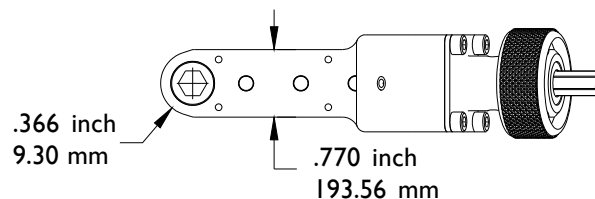
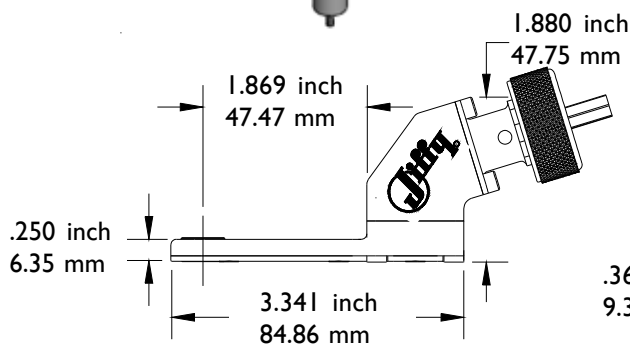
17 DEGREE FIXED INSTALLATION

.366 inch / 9.30mm center to edge distance

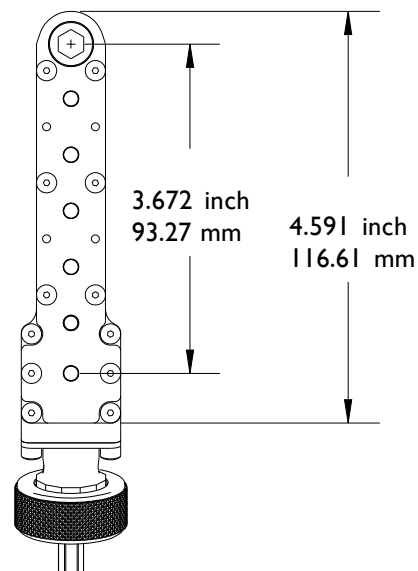
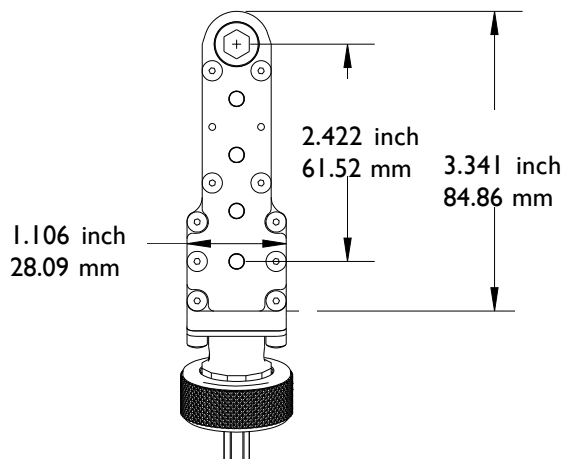
Attachments only



20602 Attachment
Shown with 17676 .85 hp
500 RPM straight motor



You must select a nose gear to order an attachment.
See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



20602 ATTACHMENT

20605 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

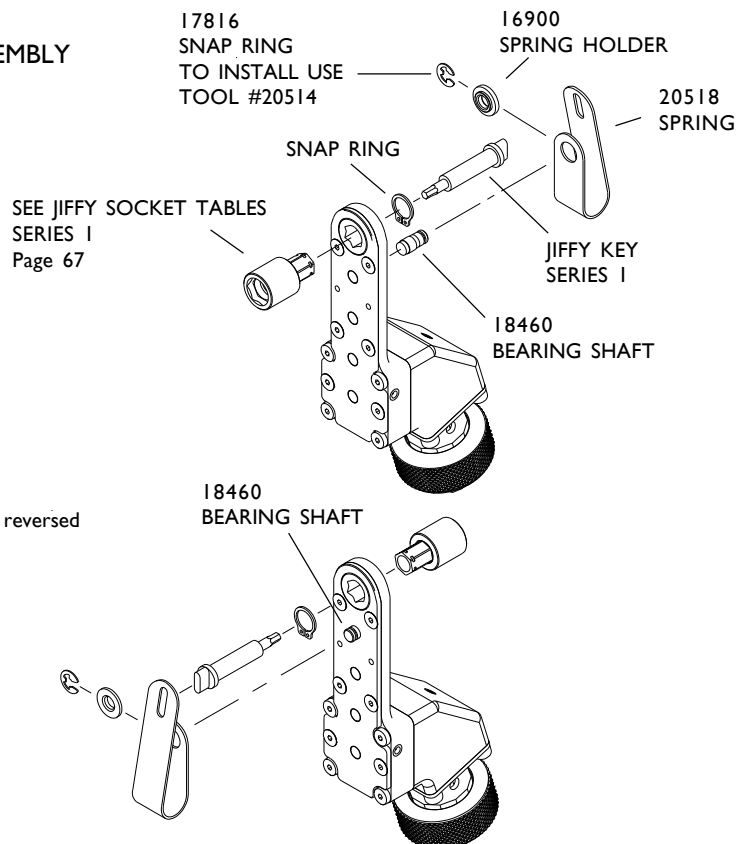
60 Inch Lbs / 6.77 Nm



17 DEGREE FIXED INSTALLATION

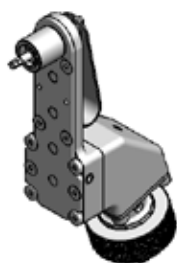
.366 inch / 9.30mm center to edge distance

20450
JIFFY KEY CONTROL ASSEMBLY



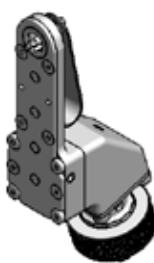
For BACK DRIVE setup
the 18460 bearing shaft must be reversed
You must specify BACK DRIVE
when ordering.
Reversible or reverse running
motor required.

Nose Gear Selection



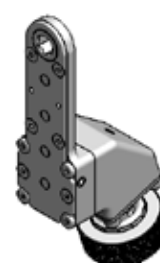
The SOCKET DRIVER will adapt the
attachment to accept Series I Sockets
starting on Page 67.
Order with or without the
Jiffy Key System.

PART NO.	SIZE	TYPE
20515	9/32	SOCKET DRIVER
20516	1/4	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear.
Choose the Hex Flush gear and Key
from the table or order without
the Jiffy Key System.

PART NO.	SIZE	TYPE
20403	7/32	HEX FLUSH
20404	1/4	HEX FLUSH
20405	9/32	HEX FLUSH
20406	5/16	HEX FLUSH
20407	11/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU
The hex listed runs completely
through the nose gear
No key system is used

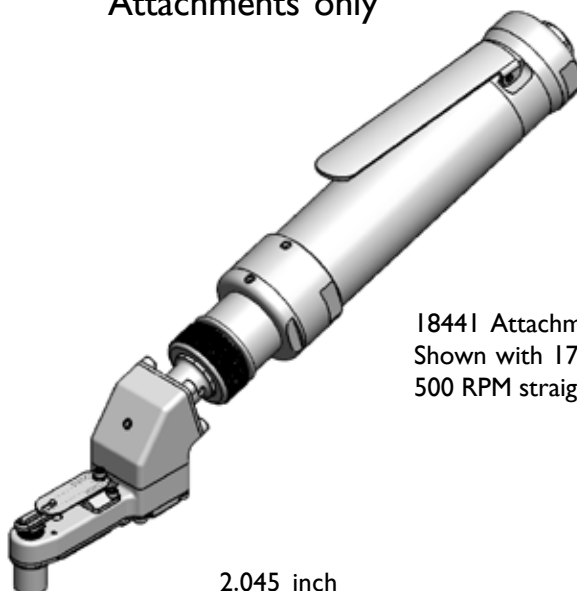
PART NO.	HEX SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

PHONE: 775 883 1072 FAX: 775 883 4857

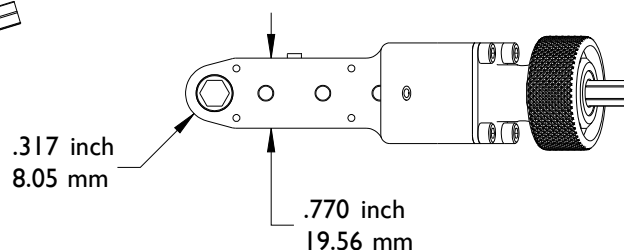
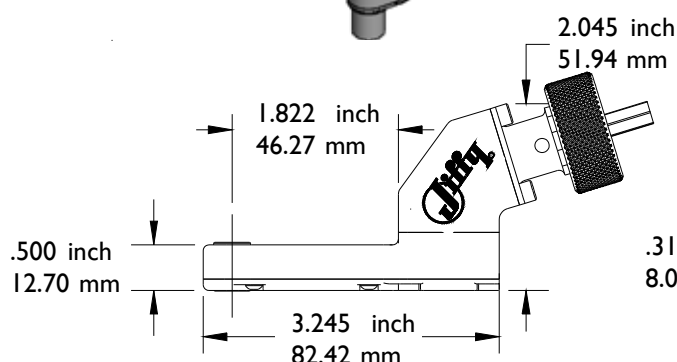
17 DEG SERIES 2 120 Inch Lbs / 13.55 Nm



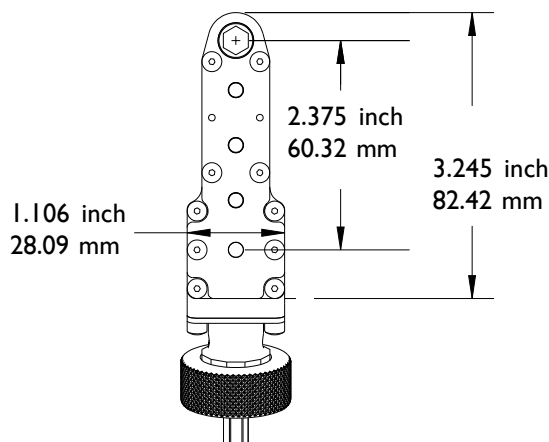
17 DEGREE FIXED INSTALLATION
 .317 inch / 8.05mm center to edge distance
 Attachments only



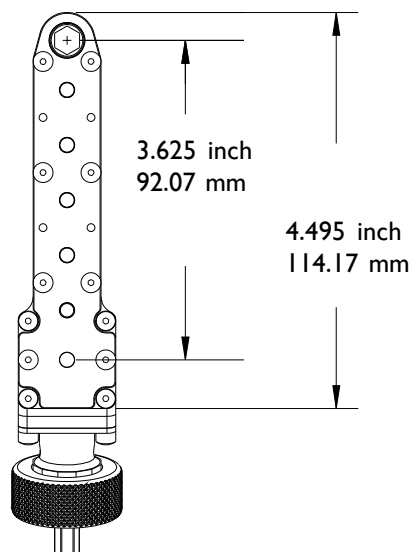
1844I Attachment
 Shown with 17676 .85 hp
 500 RPM straight motor



You must select a nose gear to order an attachment.
 See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



1844I ATTACHMENT



20075 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 2

120 Inch Lbs / 13.55 Nm

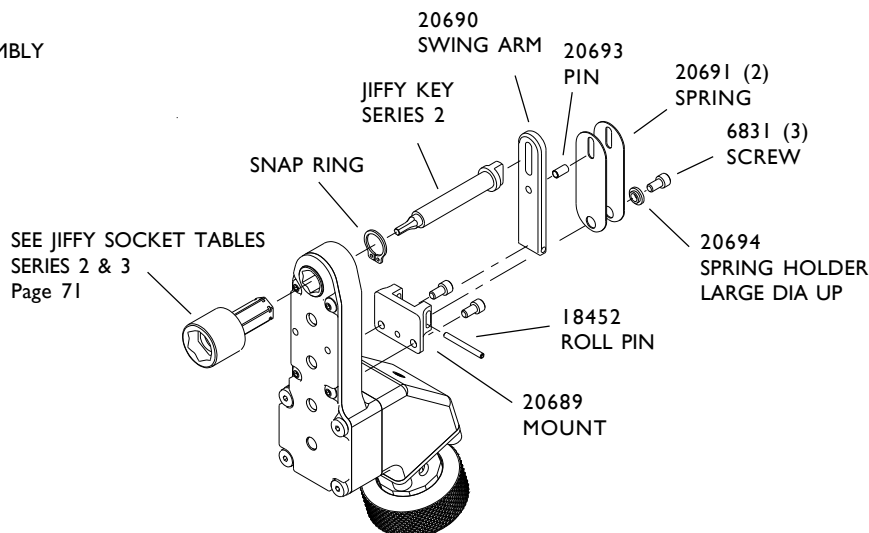


17 DEGREE FIXED INSTALLATION

.317 inch / 8.05mm center to edge distance

20688

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

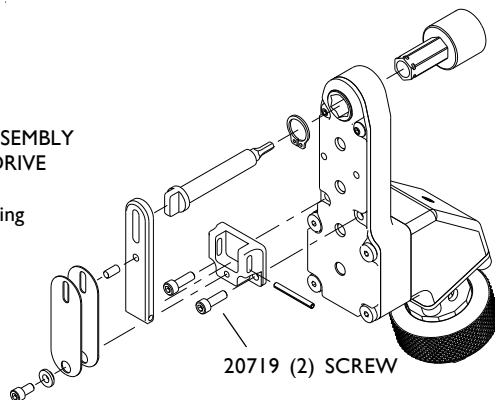
20764

JIFFY KEY CONTROL ASSEMBLY

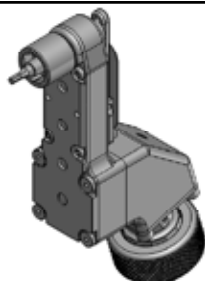
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.

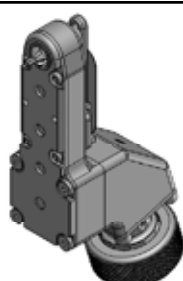


Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71. Order with or without the Jiffy Key System.

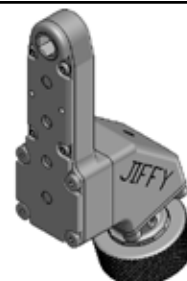
PART NO.	SIZE	TYPE
12467	9/32	SOCKET DRIVER
12468	1/4	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32 1/8
PART NO.	18155	18156 18157 18158



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	HEX SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

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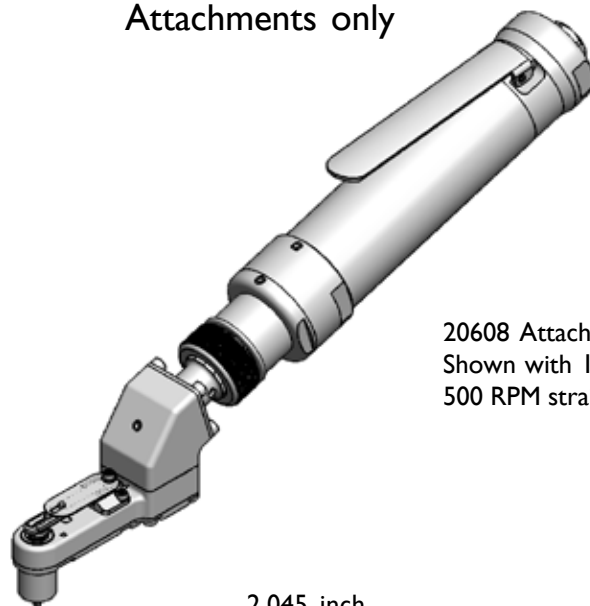
17 DEG SERIES 2 120 Inch Lbs / 13.55 Nm



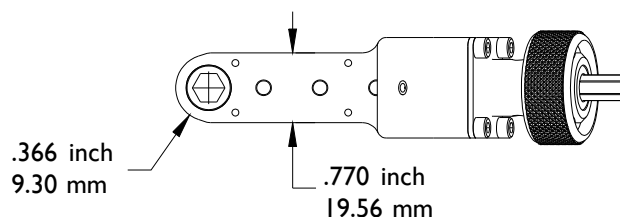
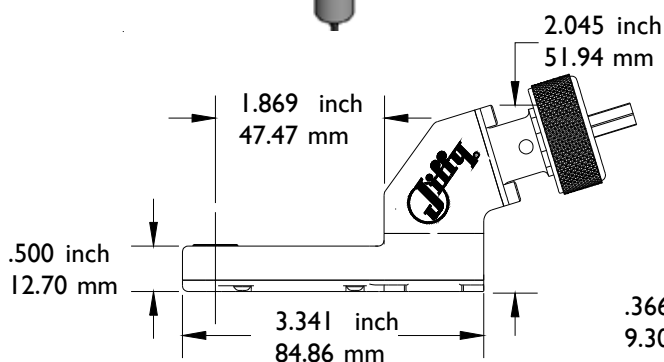
17 DEGREE FIXED INSTALLATION

.366 inch / 9.30mm center to edge distance

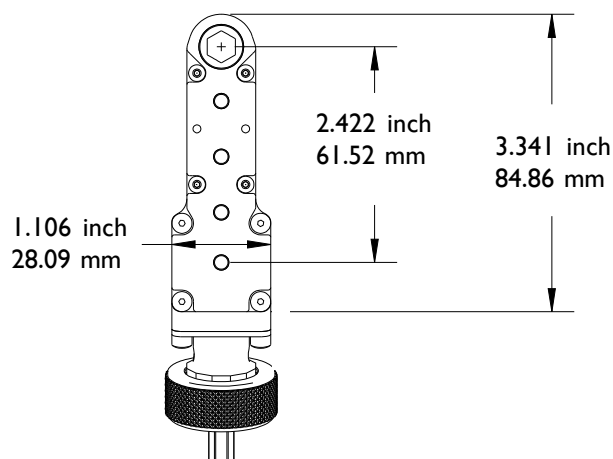
Attachments only



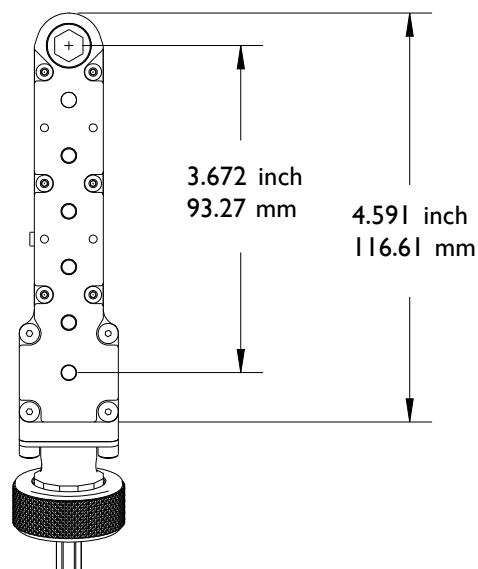
20608 Attachment
Shown with 17676 .85 hp
500 RPM straight motor



You must select a nose gear to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



20608 ATTACHMENT



20611 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 2

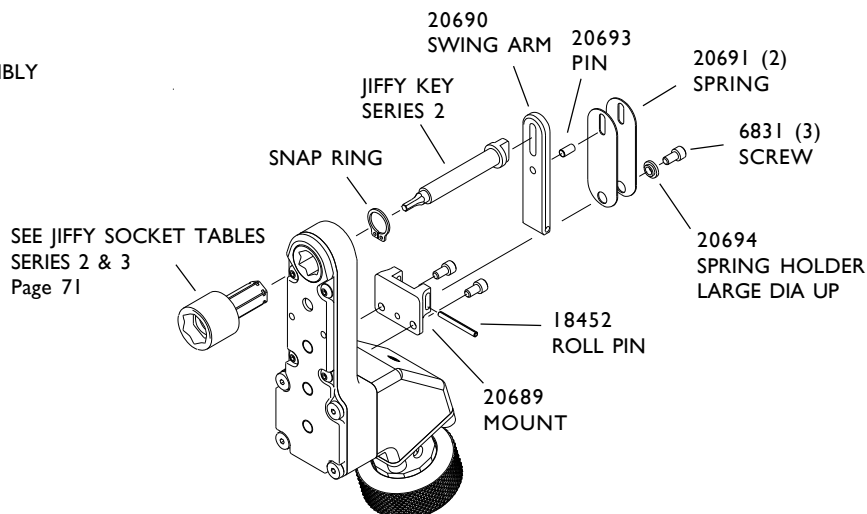
120 Inch Lbs / 13.55 Nm



17 DEGREE FIXED INSTALLATION

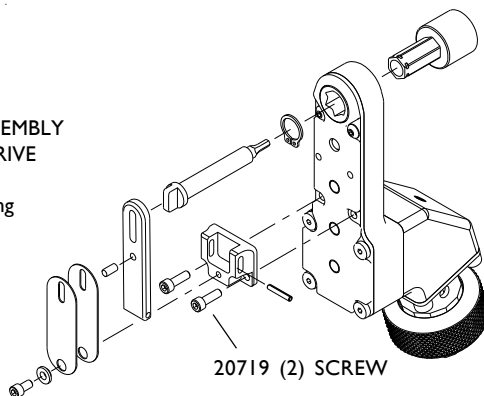
.366 inch / 9.30mm center to edge distance

20688
JIFFY KEY CONTROL ASSEMBLY

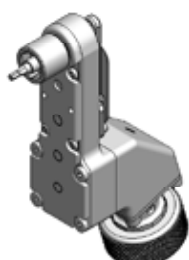


BACKDRIVE

20764
JIFFY KEY CONTROL ASSEMBLY
You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.

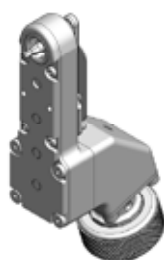


Nose Gear Selection



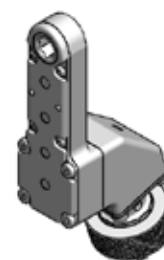
The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
15374	7/32	HEX FLUSH
15375	1/4	HEX FLUSH
15376	9/32	HEX FLUSH
15377	5/16	HEX FLUSH
15460	11/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32 1/8
PART NO.	18155	18156 18157 18158



HEX THRU
The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

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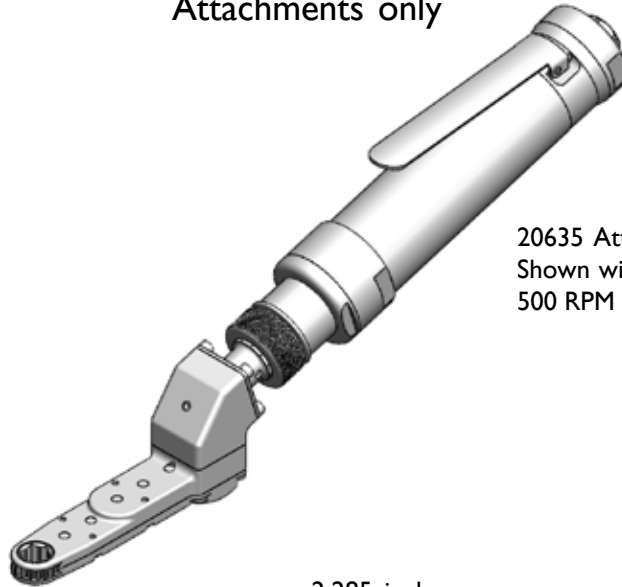
17 DEG RAT



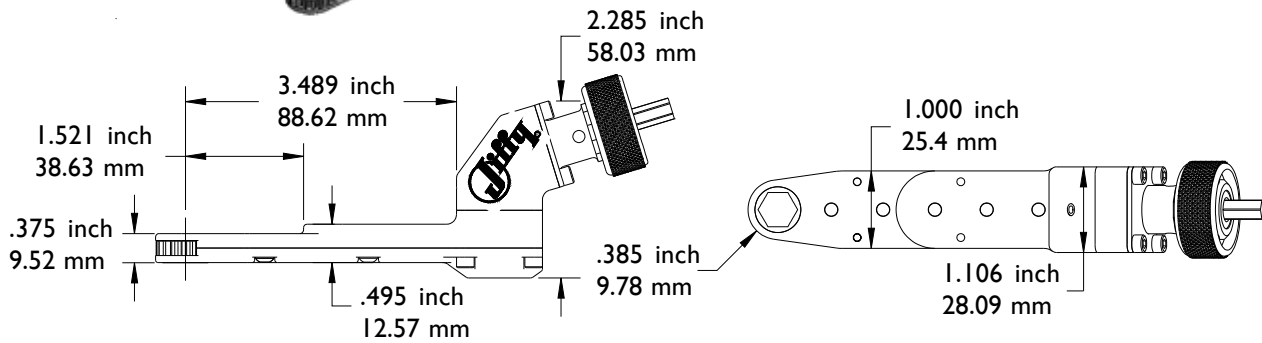
200 Inch Lbs / 22.60 Nm



17 DEGREE RATCHET REPLACEMENT .385 inch / 9.78 mm center to edge distance Attachments only

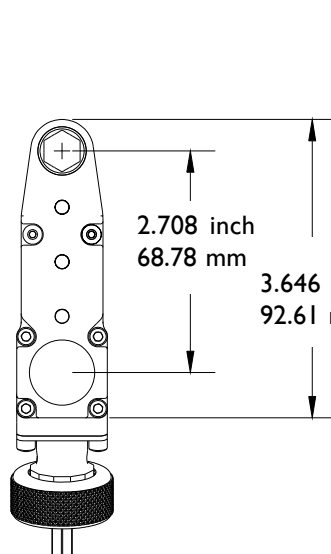


20635 Attachment
Shown with 17676 .85 hp
500 RPM straight motor

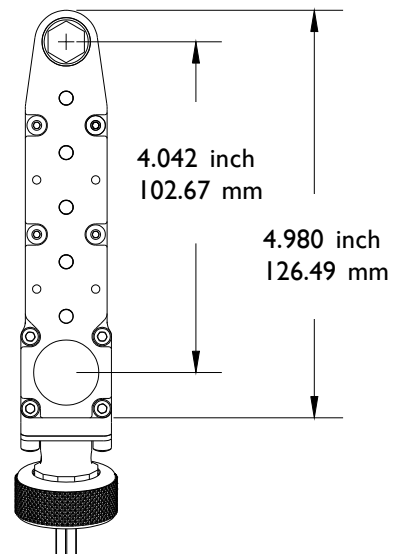


You must select a nose gear
to order an attachment.

PART NO.	HEX SIZE	TYPE
18082	3/16	HEX THRU
18081	7/32	HEX THRU
18080	1/4	HEX THRU
18079	9/32	HEX THRU
18078	5/16	HEX THRU
18077	1 1/32	HEX THRU
18076	3/8	HEX THRU
17929	7/16	HEX THRU



20777 ATTACHMENT



20635 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

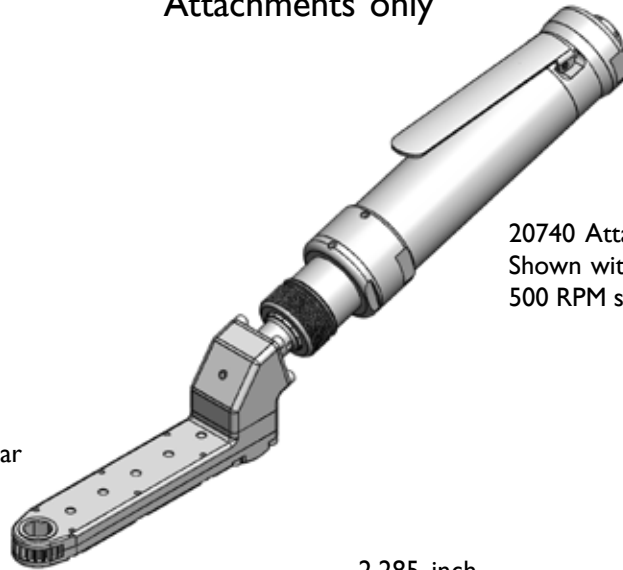
17 DEG RAT



350 Inch Lbs / 39.54 Nm

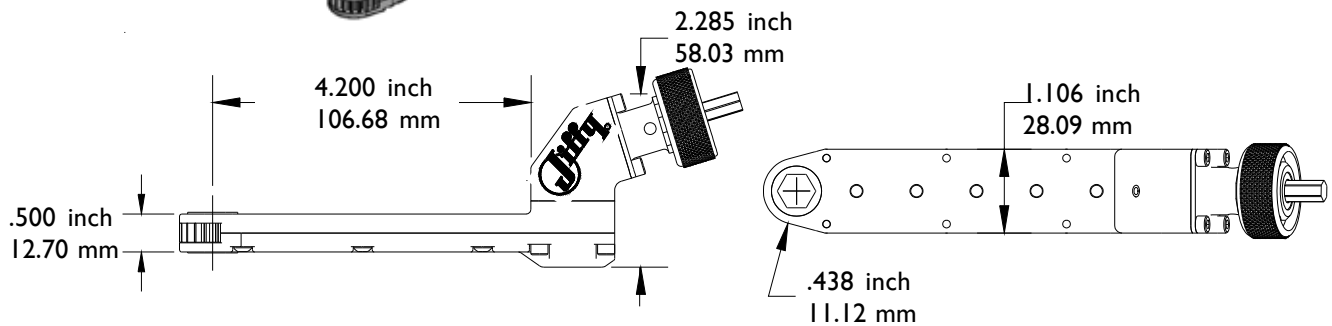


17 DEGREE RATCHET REPLACEMENT .438 inch / 11.12 mm center to edge distance Attachments only



20740 Attachment
Shown with 17676 .85 hp
500 RPM straight motor

You must select a nose gear
to order an attachment.



The SOCKET DRIVER will adapt the
attachment to accept Series 2 / 3 Sockets
starting on Page 71.

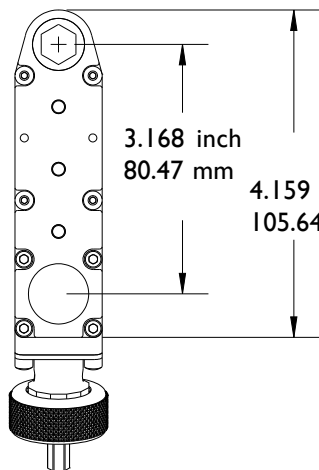
PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ. DRIVE MALE

HEX FLUSH

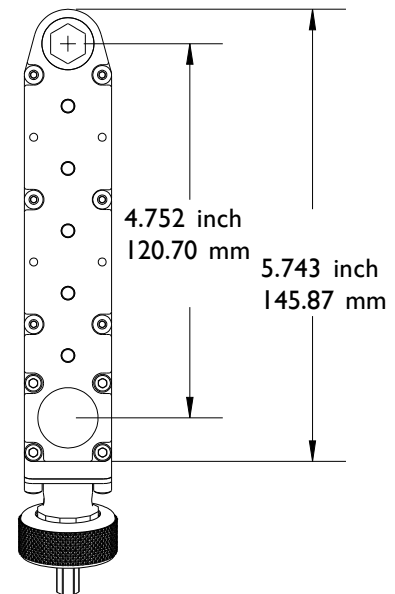
PART NO.	HEX SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	3/32	1/8 5/32 3/16
PART NO.	18157	18158 18935 18936

HEX THRU

PART NO.	HEX SIZE	TYPE
16039	5/16	HEX THRU
15892	11/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU



20733 ATTACHMENT



20740 ATTACHMENT

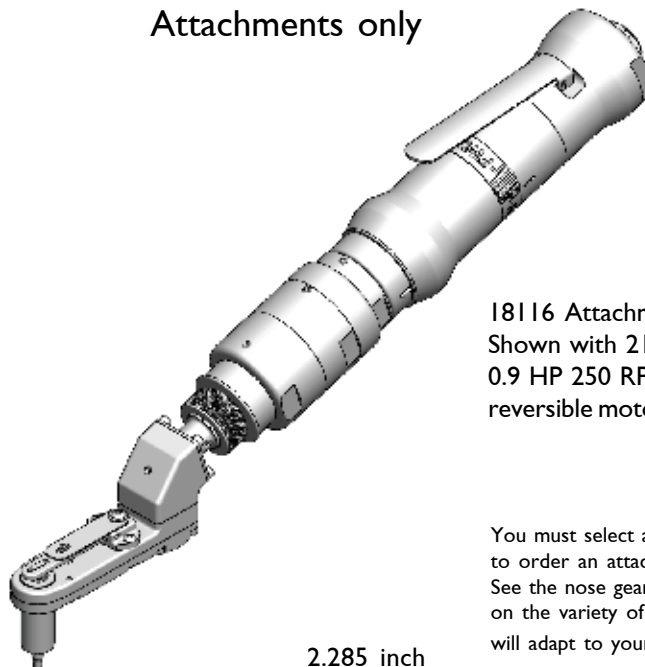
PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 3

350 Inch Lbs / 39.54 Nm

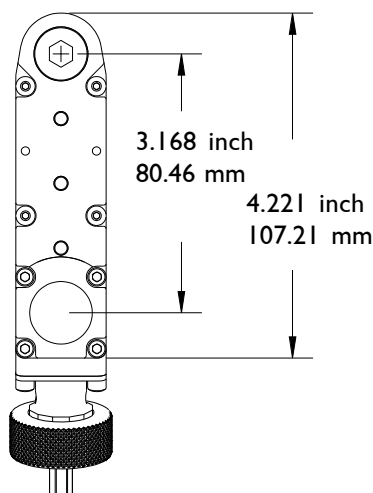
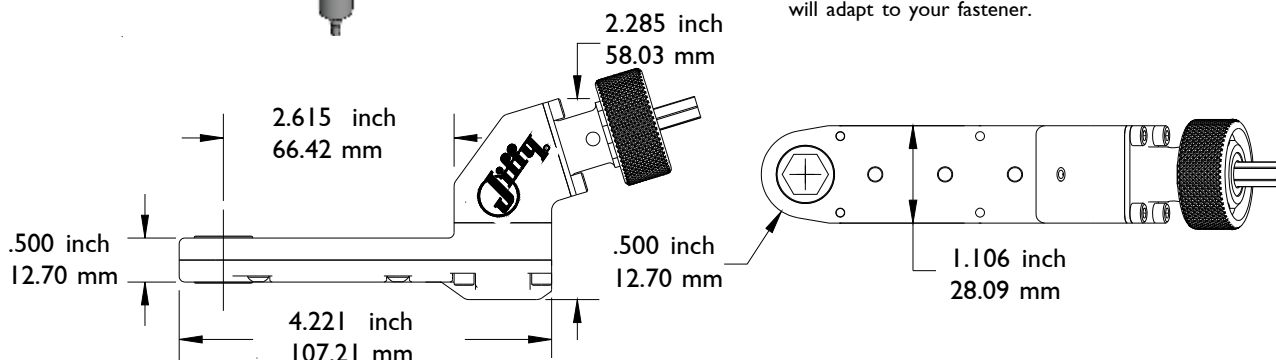


17 DEGREE INSTALLATION FIXED
.500 inch / 12.70 mm center to edge distance
Attachments only

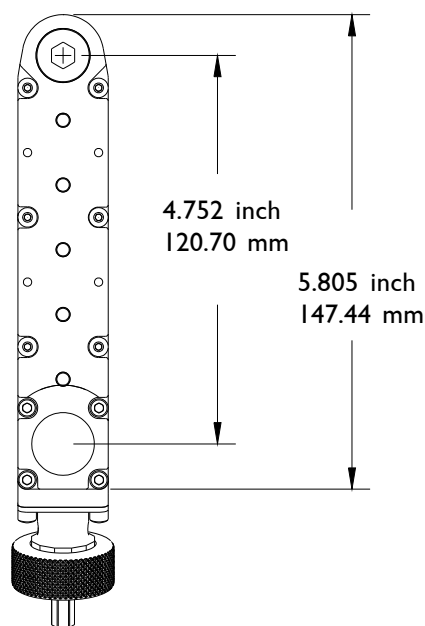


18116 Attachment
Shown with 21544
0.9 HP 250 RPM
reversible motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



18116 ATTACHMENT



20078 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 3

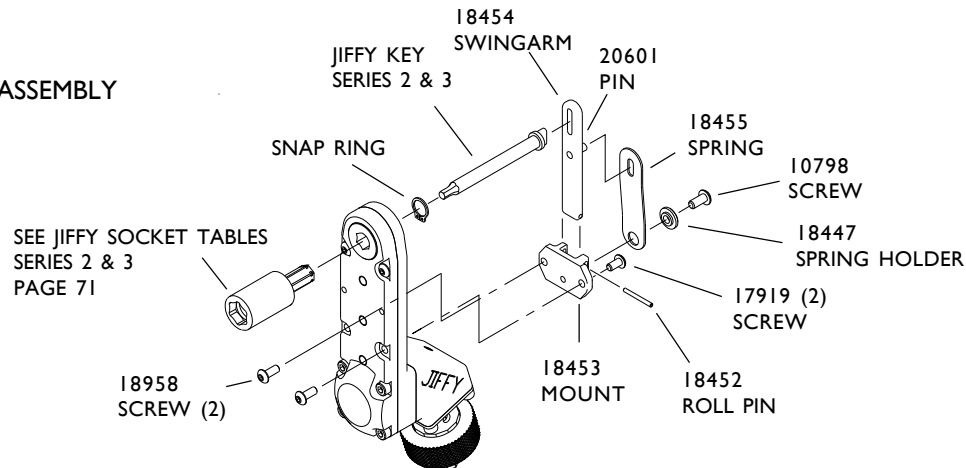
350 Inch Lbs / 39.54 Nm



17 DEGREE FIXED INSTALLATION

.500 inch / 12.70 mm center to edge distance

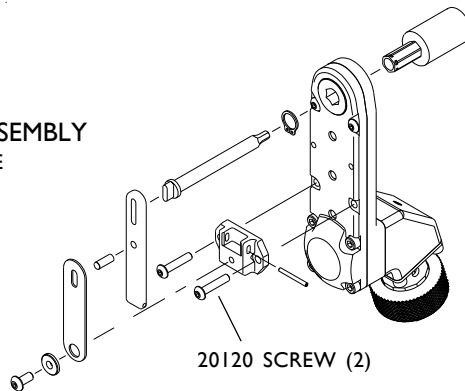
18448 JIFFY KEY CONTROL ASSEMBLY



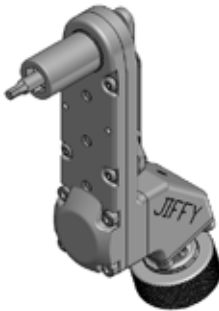
BACKDRIVE

20766 JIFFY KEY CONTROL ASSEMBLY

You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.



Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ. DRIVE MALE
20748	3/8	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	3/32	1/8 5/32 3/16
PART NO.	18157	18158 18935 18936



HEX THRU
The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
16039	5/16	HEX THRU
15892	11/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

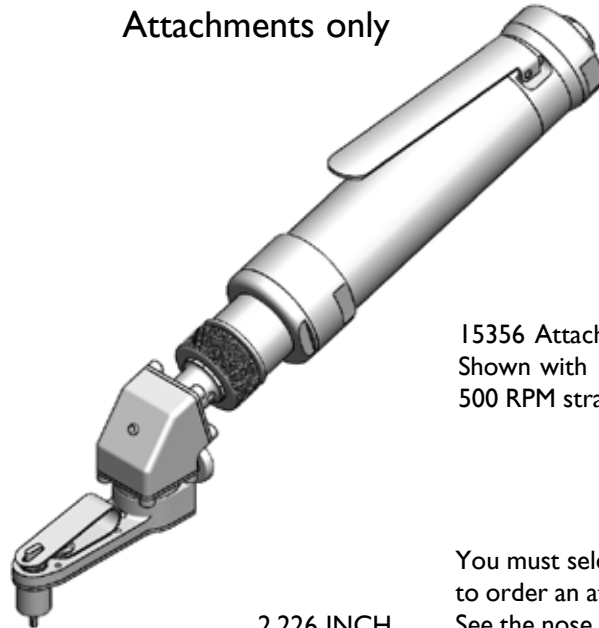
60 Inch Lbs / 6.77 Nm



17 DEGREE INDEXABLE INSTALLATION

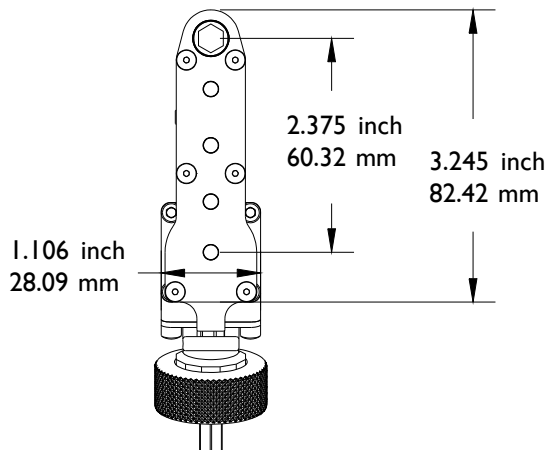
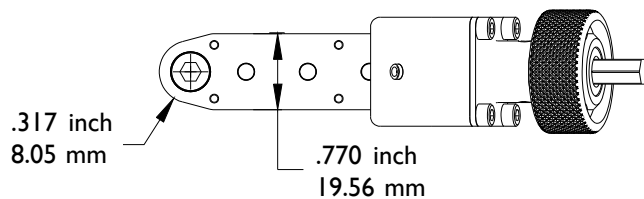
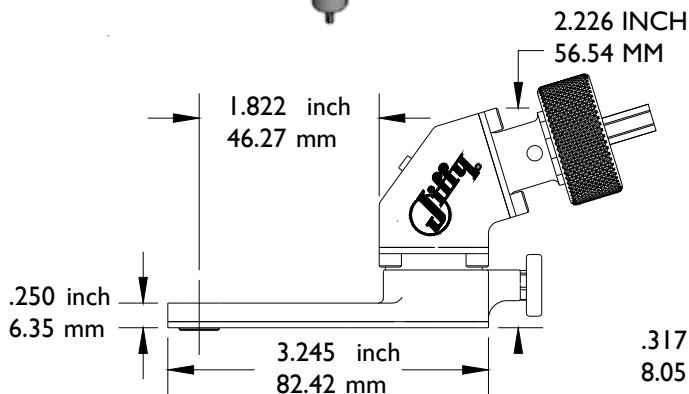
.317 inch / 8.05mm center to edge distance

Attachments only

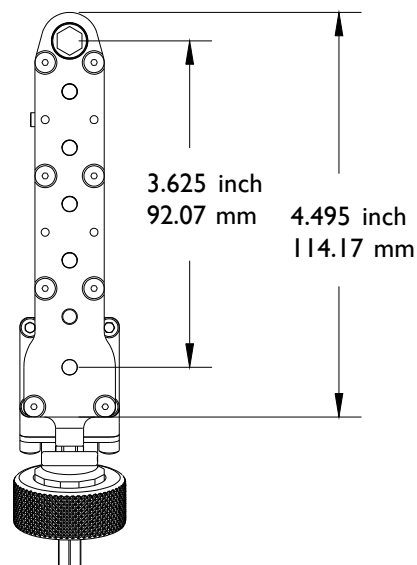


I5356 Attachment
Shown with I7676 .85 hp
500 RPM straight motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



I5356 ATTACHMENT



I7676 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

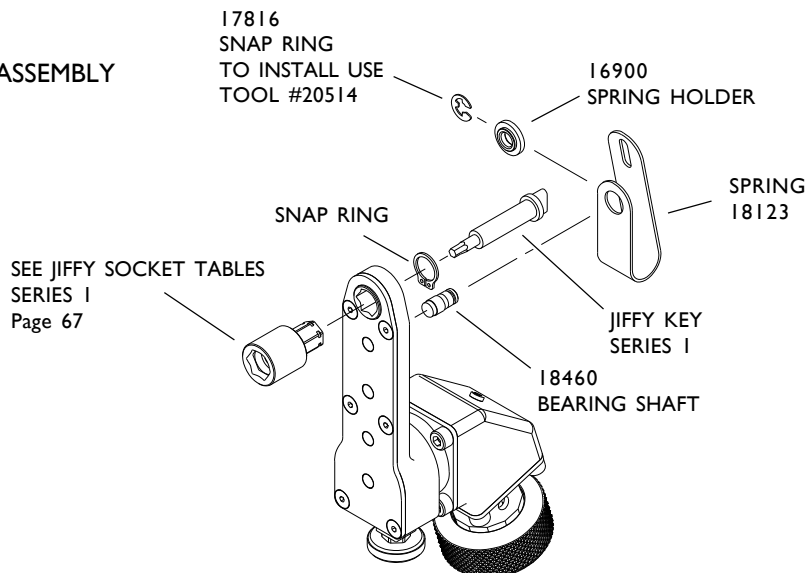
60 Inch Lbs / 6.77 Nm



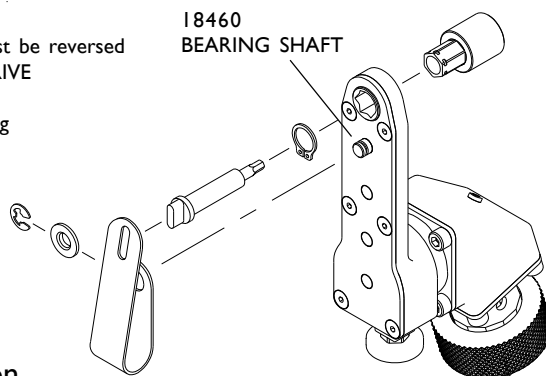
17 DEGREE INDEXABLE INSTALLATION

.317 inch / 8.05mm center to edge distance

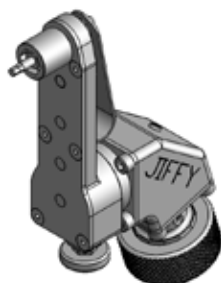
18943
JIFFY KEY CONTROL ASSEMBLY



For BACK DRIVE setup
the 18460 bearing shaft must be reversed
You must specify BACK DRIVE
when ordering.
Reversible or reverse running
motor required.

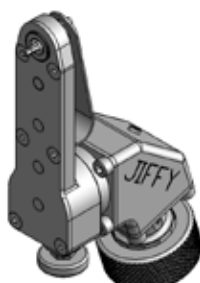


Nose Gear Selection



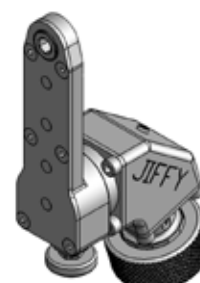
The SOCKET DRIVER will adapt the
attachment to accept Series 1 Sockets
starting on Page 67.
Order with or without the
Jiffy Key System.

PART NO.	SIZE	TYPE
12465	9/32	SOCKET DRIVER
13186	1/4	SQ DRIVE MALE



HEX FLUSH
The socket is built into the nose gear.
Choose the Hex Flush gear and Key
from the table or order without
the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
20400	7/32	HEX FLUSH
20069	1/4	HEX FLUSH
20402	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU
The hex listed runs completely
through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

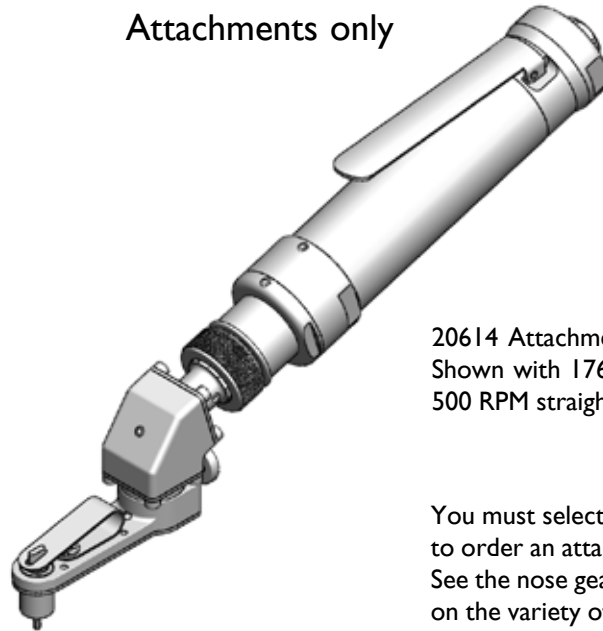
60 Inch Lbs / 6.77 Nm



17 DEGREE INDEXABLE INSTALLATION

.366 inch / 9.30mm center to edge distance

Attachments only



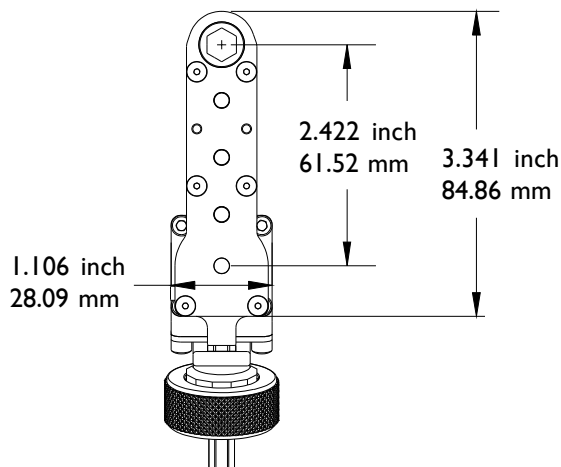
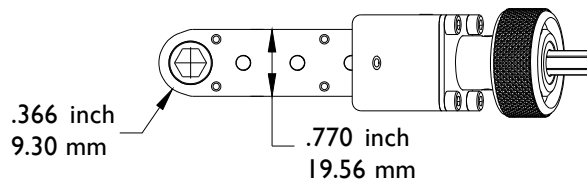
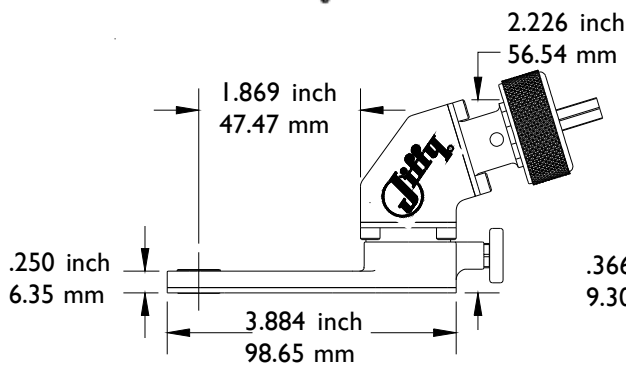
20614 Attachment

Shown with 17676 .85 hp

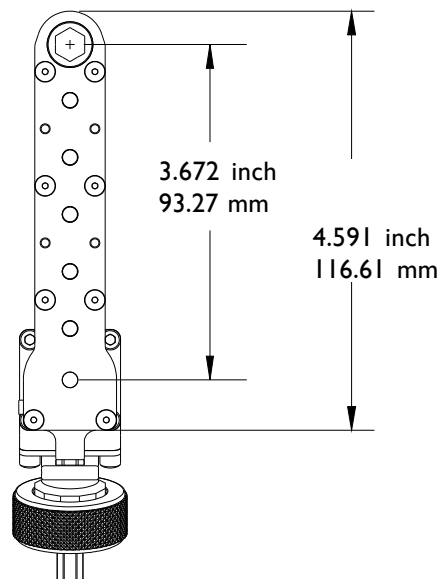
500 RPM straight motor

You must select a nose gear to order an attachment.

See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



20614 ATTACHMENT



20617 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 1

60 Inch Lbs / 6.77 Nm

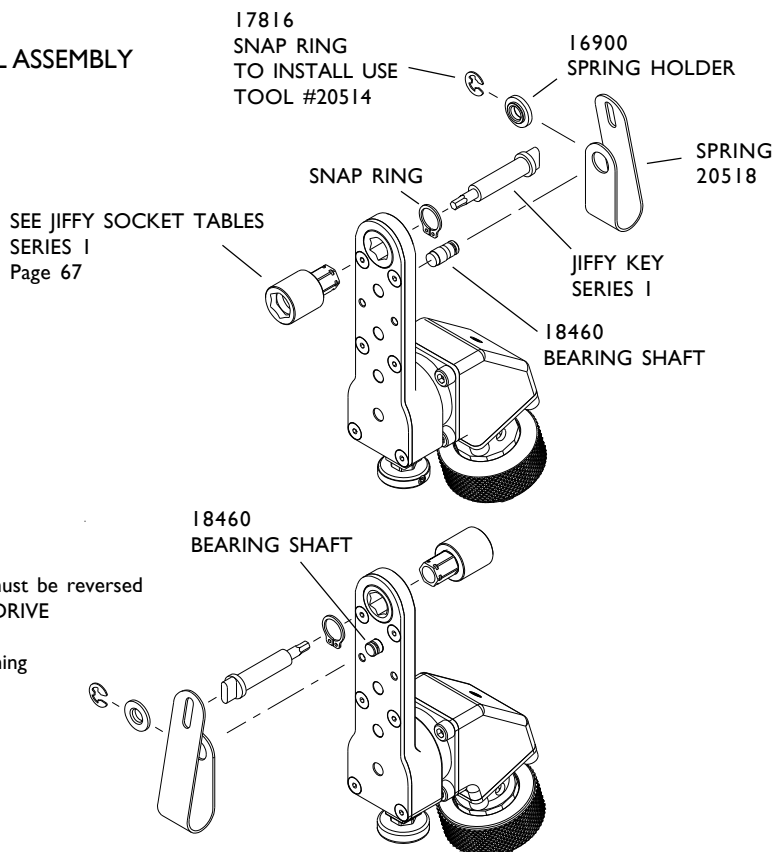


17 DEGREE INDEXABLE INSTALLATION

.366 inch / 9.30mm center to edge distance

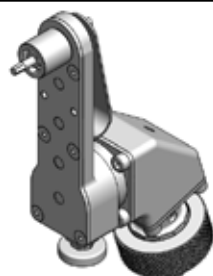
20450

JIFFY KEY CONTROL ASSEMBLY



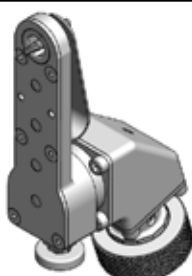
For BACK DRIVE setup the 18460 bearing shaft must be reversed. You must specify BACK DRIVE when ordering. Reversible or reverse running motor required.

Nose Gear Selection



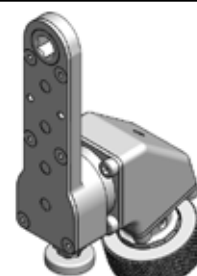
The SOCKET DRIVER will adapt the attachment to accept Series I Sockets starting on Page 67. Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
20515	9/32	SOCKET DRIVER
20516	1/4	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	SIZE	TYPE
20403	7/32	HEX FLUSH
20404	1/4	HEX FLUSH
20405	9/32	HEX FLUSH
20406	5/16	HEX FLUSH
20407	1 1/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU
The hex listed runs completely through the nose gear. No key system is used.

PART NO.	HEX SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	1 1/32	HEX THRU

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 2

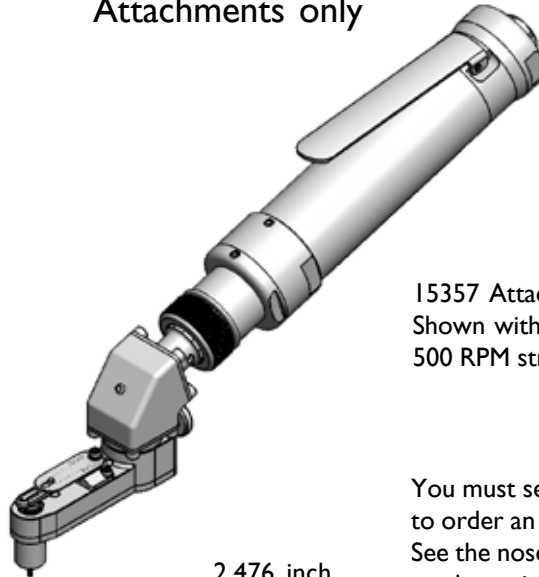
120 Inch Lbs / 13.55 Nm



17 DEGREE INDEXABLE INSTALLATION

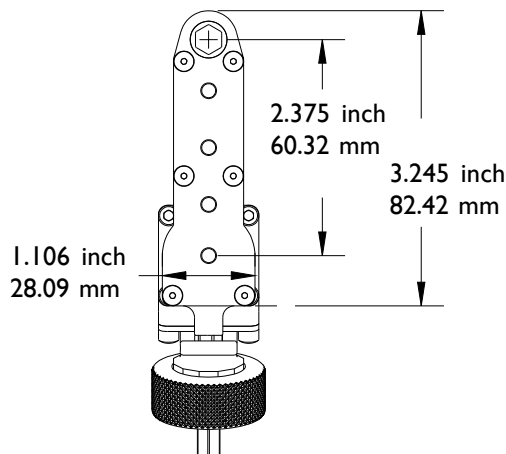
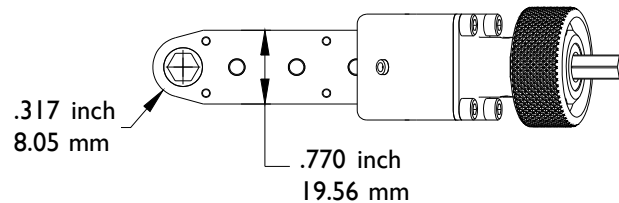
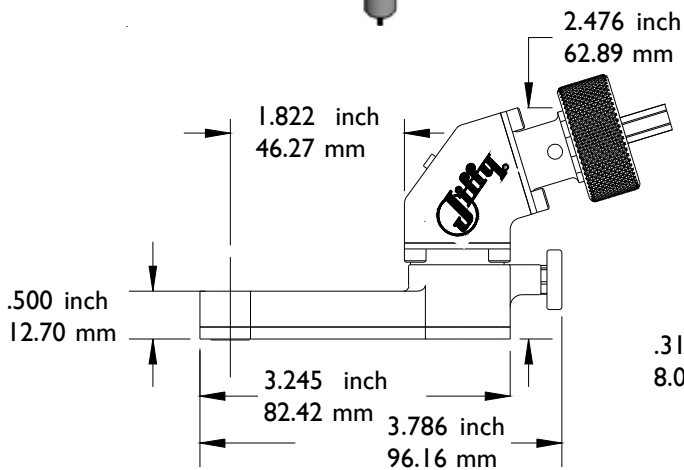
.317 inch / 8.05mm center to edge distance

Attachments only

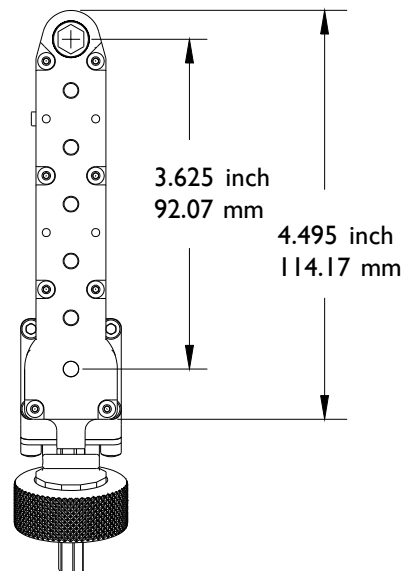


15357 Attachment
Shown with 17676 .85 hp
500 RPM straight motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



15357 ATTACHMENT



20090 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 2

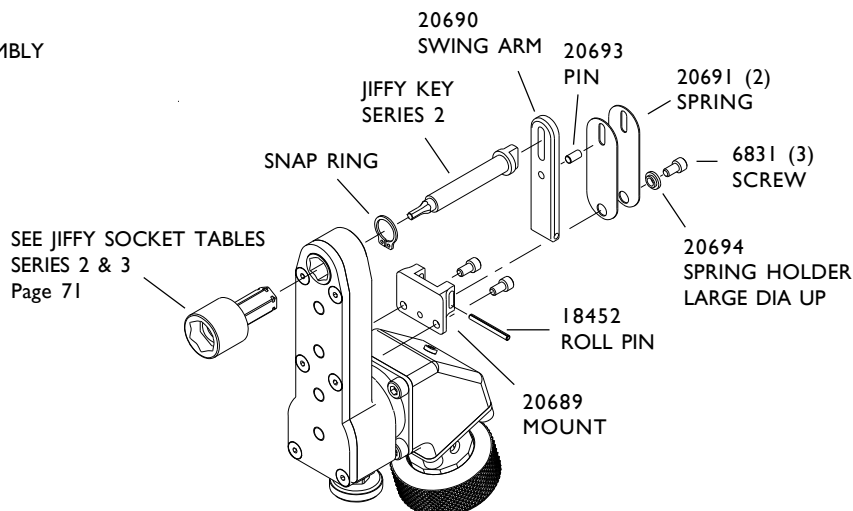
120 Inch Lbs / 13.55 Nm



17 DEGREE INDEXABLE INSTALLATION

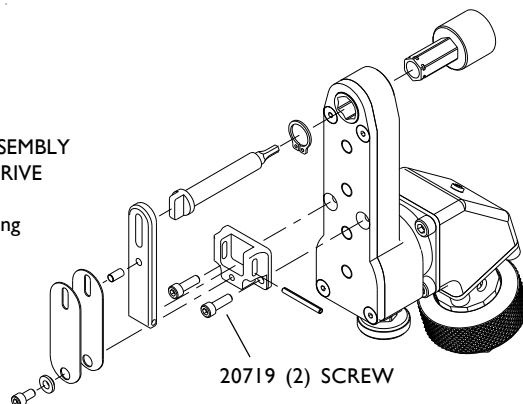
.317 inch / 8.05mm center to edge distance

20688
JIFFY KEY CONTROL ASSEMBLY

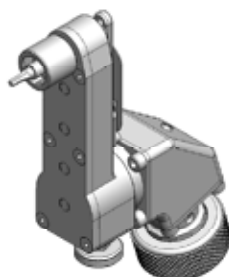


BACKDRIVE

20764
JIFFY KEY CONTROL ASSEMBLY
You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.

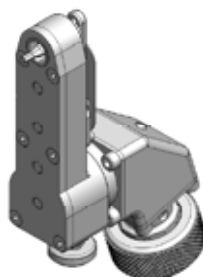


Nose Gear Selection



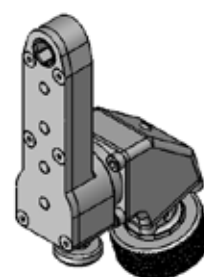
The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
12467	9/32	SOCKET DRIVER
12468	1/4	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32 1/8
PART NO.	18155	18156 18157 18158



HEX THRU
The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

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17 DEG SERIES 2

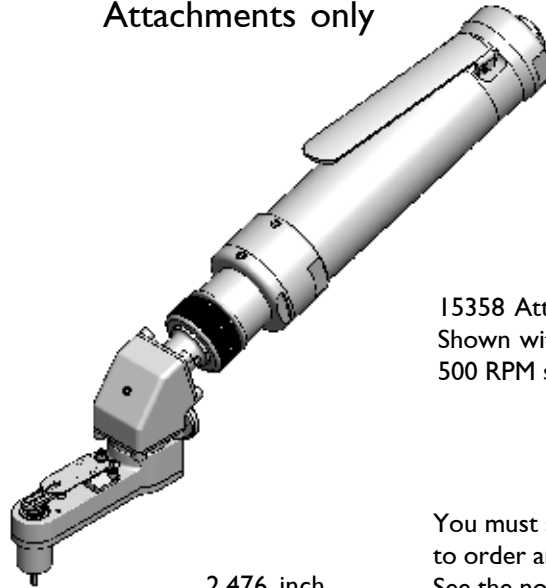
120 Inch Lbs / 13.55 Nm



17 DEGREE INDEXABLE INSTALLATION

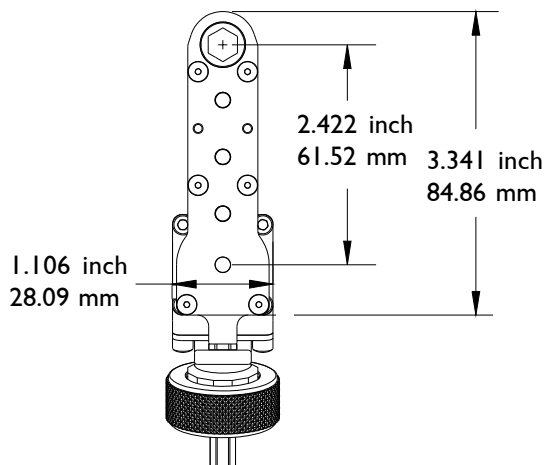
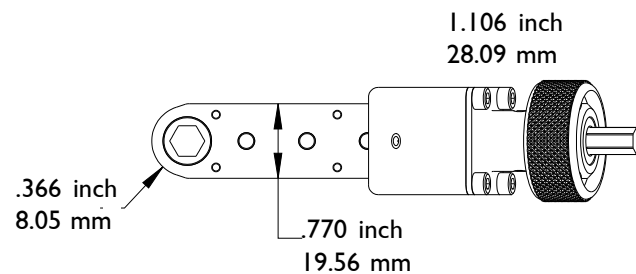
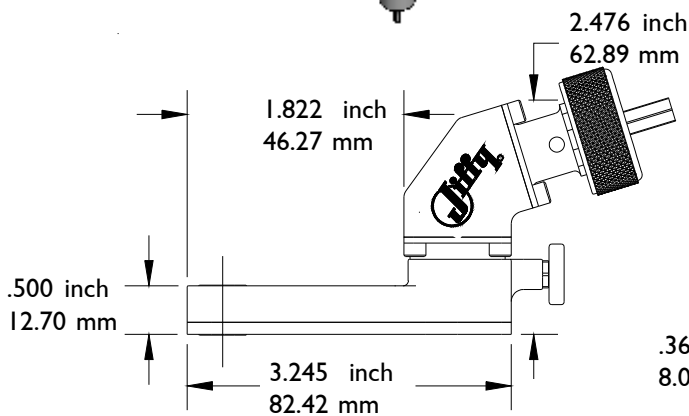
.366 inch / 9.30mm center to edge distance

Attachments only

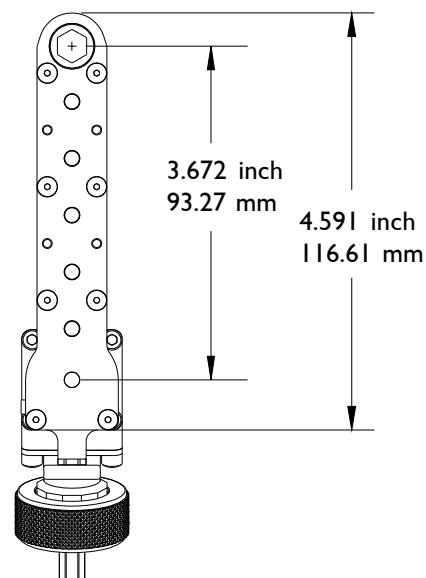


15358 Attachment
Shown with 17676 .85 hp
500 RPM straight motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



15358 ATTACHMENT



20621 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

17 DEG SERIES 2

120 Inch Lbs / 13.55 Nm

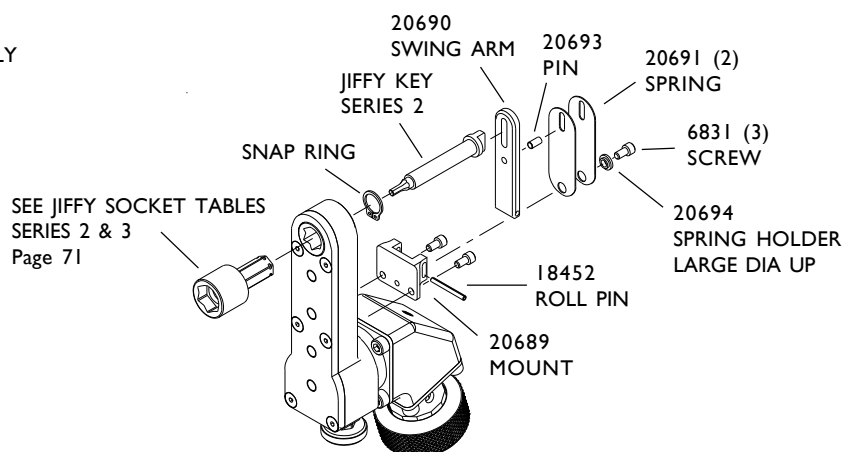


17 DEGREE INDEXABLE INSTALLATION

.366 inch / 9.30mm center to edge distance

20688

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

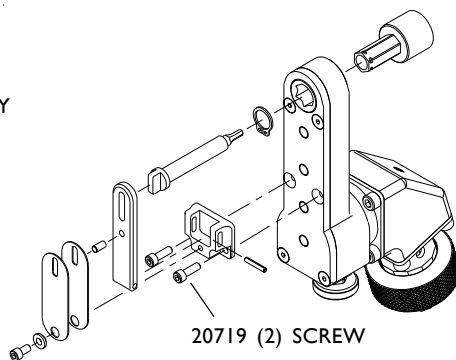
20764

JIFFY KEY CONTROL ASSEMBLY

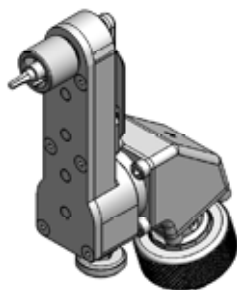
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.



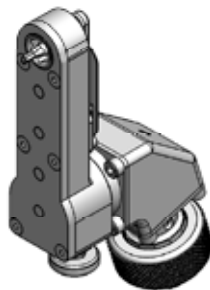
Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.

Order with or without the Jiffy Key System.

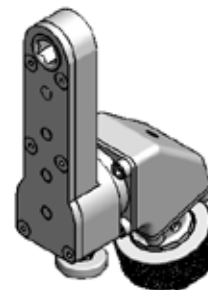
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
15374	7/32	HEX FLUSH
15375	1/4	HEX FLUSH
15376	9/32	HEX FLUSH
15377	5/16	HEX FLUSH
15460	11/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32 1/8
PART NO.	18155	18156 18157 18158



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	HEX SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

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17 DEG SERIES 3

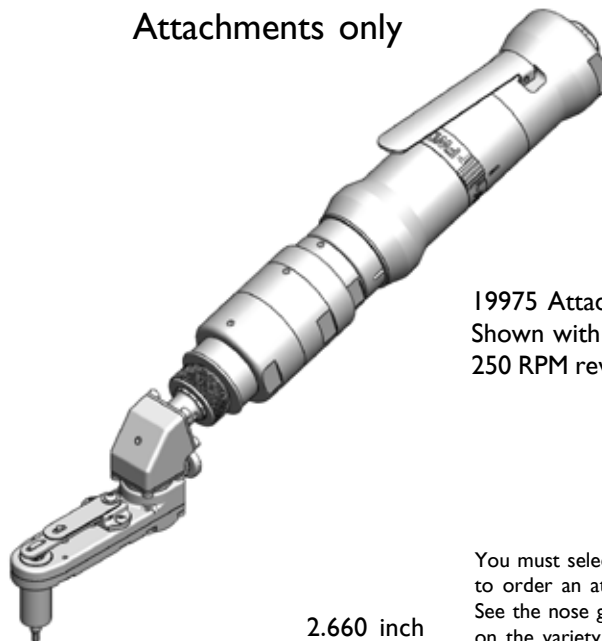
350 Inch Lbs / 39.54 Nm



17 DEGREE INDEXABLE INSTALLATION

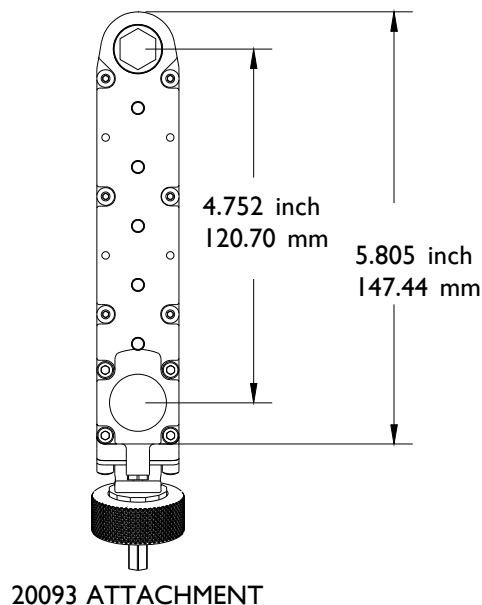
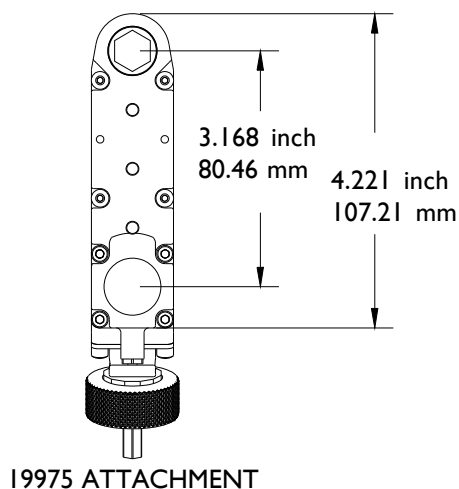
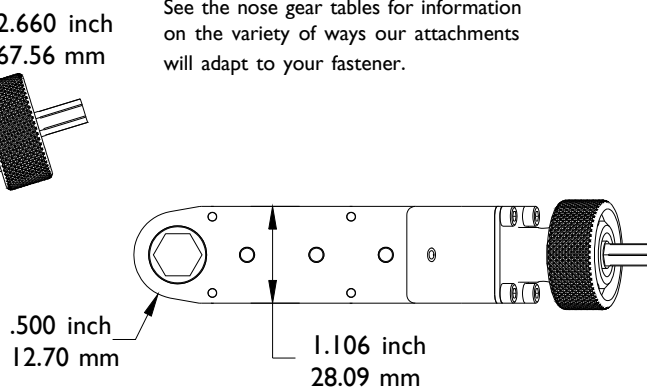
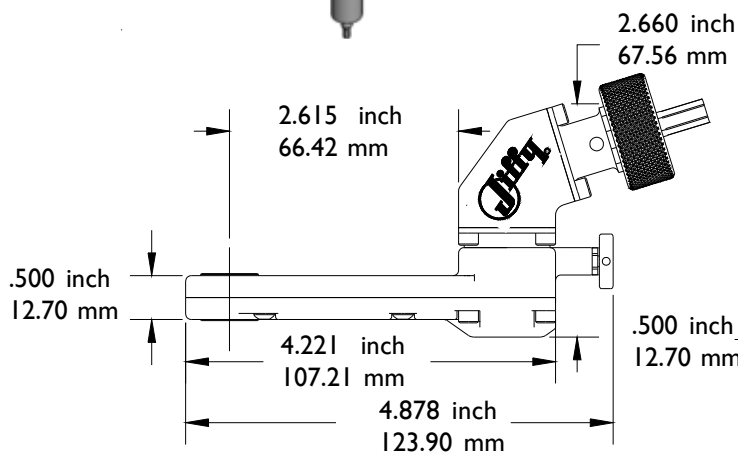
.500 inch / 12.70 mm center to edge distance

Attachments only



19975 Attachment
Shown with 19960 0.9 hp
250 RPM reversible motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



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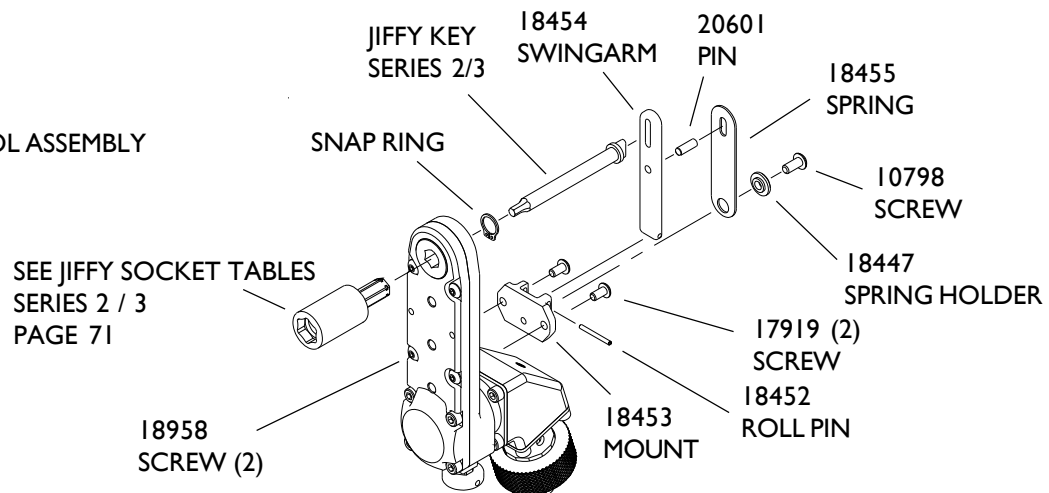
17 DEG SERIES 3

350 Inch Lbs / 39.54 Nm



17 DEGREE INDEXABLE INSTALLATION
.500 inch / 12.70 mm center to edge distance

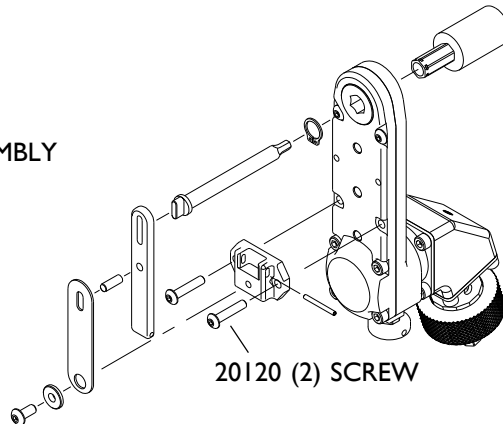
18448
JIFFY KEY CONTROL ASSEMBLY



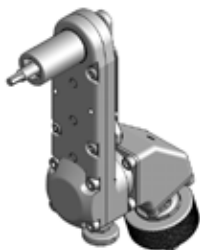
BACKDRIVE

20766
JIFFY KEY CONTROL ASSEMBLY

You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.



Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ. DRIVE MALE
20748	3/8	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	1 1/32	HEX FLUSH
15890	3/8	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	3/32	1/8 5/32 3/16
PART NO.	18157	18158 18935 18936



HEX THRU
The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
16039	5/16	HEX THRU
15892	1 1/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU

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20 DEG SERIES 4

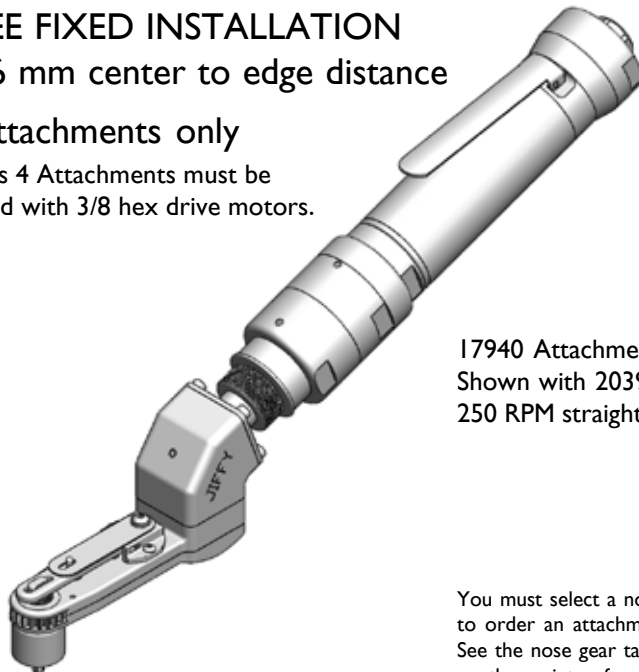
525 Inch Lbs / 59.31 Nm



20 DEGREE FIXED INSTALLATION
.535 inch / 13.6 mm center to edge distance

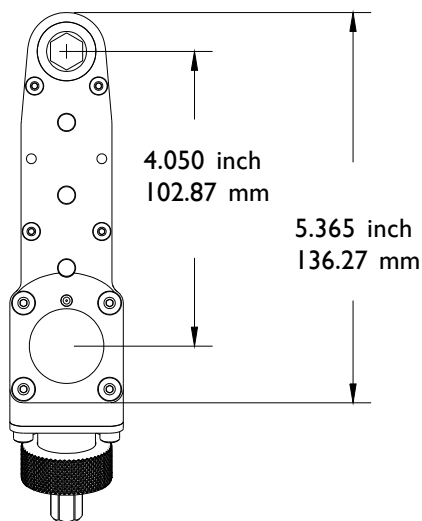
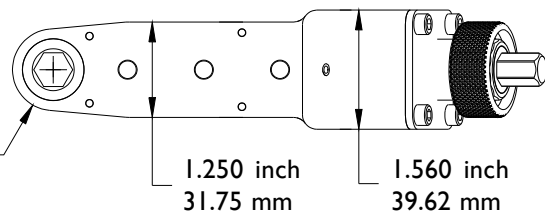
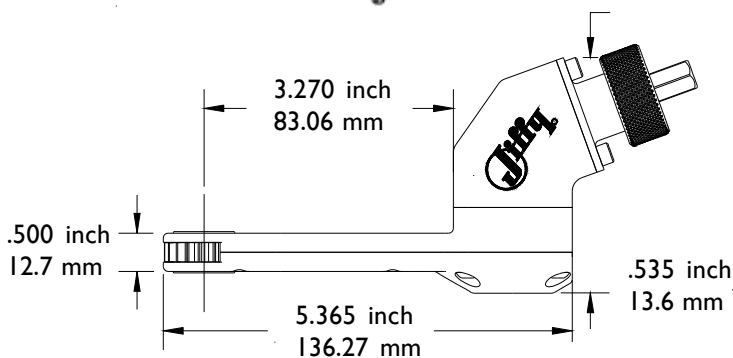
Attachments only

Series 4 Attachments must be
matched with 3/8 hex drive motors.

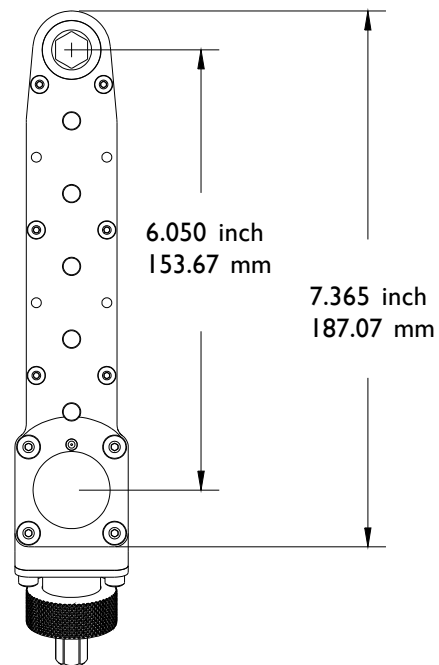


17940 Attachment
Shown with 20397 1.5 hp
250 RPM straight motor

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



17940 ATTACHMENT



20081 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

20 DEG SERIES 4

525 Inch Lbs / 59.31 Nm

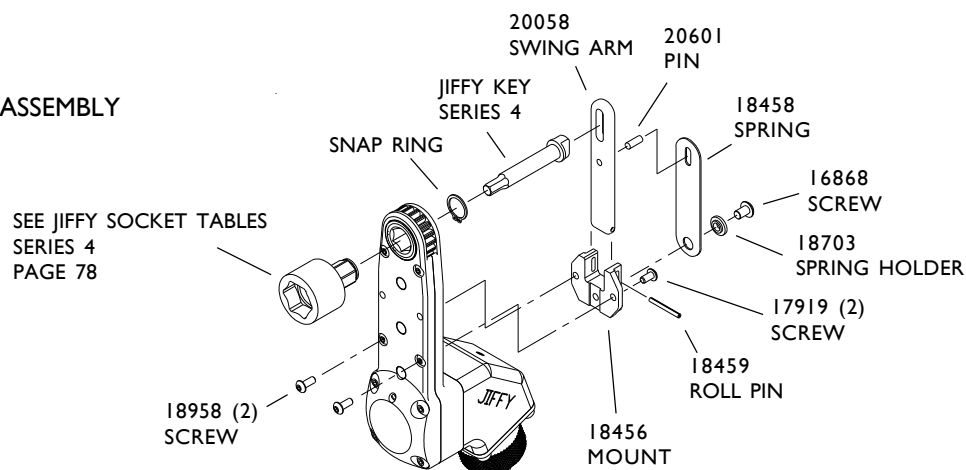


20 DEGREE FIXED INSTALLATION

.535 inch / 13.6 mm center to edge distance

18706

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

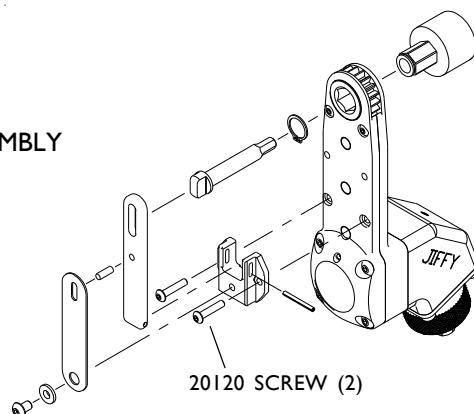
20767

JIFFY KEY CONTROL ASSEMBLY

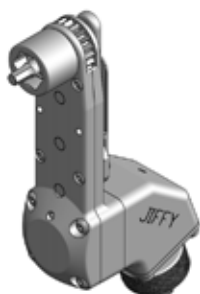
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.



Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78. Order with or without the Jiffy Key System.

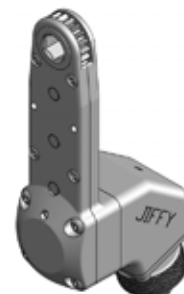
PART NO.	SIZE	TYPE
18708	7/16	SOCKET DRIVER
18930	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.		INTERNAL HEX SIZE				TYPE	
20578		11/32				HEX FLUSH	
20579		3/8				HEX FLUSH	
20580		7/16				HEX FLUSH	
20581		1/2				HEX FLUSH	
20582		9/16				HEX FLUSH	
JIFFY KEYS FLUSH							
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4	
PART NO.	20564	20565	20566	20567	20568	20569	



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	SIZE	TYPE
20583	11/32	HEX THRU
18052	3/8	HEX THRU
18051	7/16	HEX THRU
18050	1/2	HEX THRU
17948	9/16	HEX THRU

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20 DEG SERIES 4

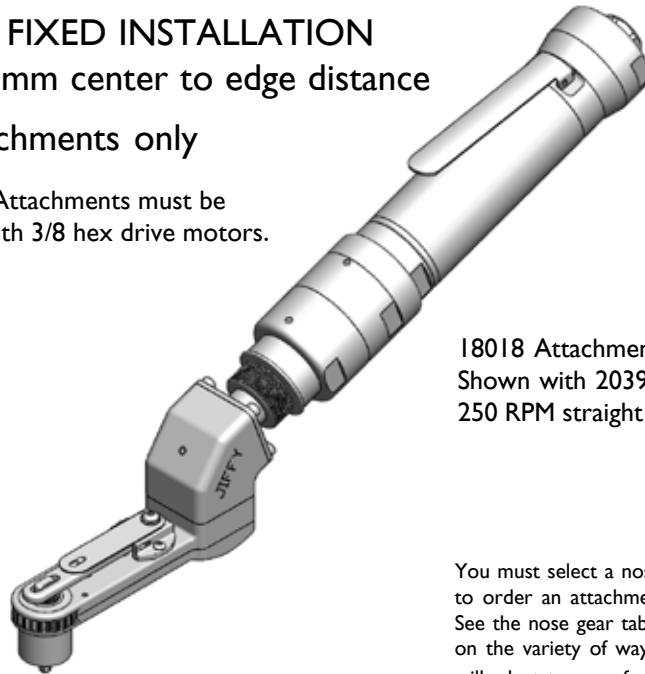
525 Inch Lbs / 59.31 Nm



20 DEGREE FIXED INSTALLATION
.640 inch / 16.3 mm center to edge distance

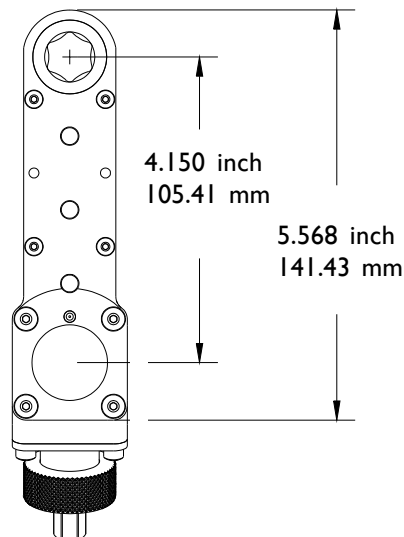
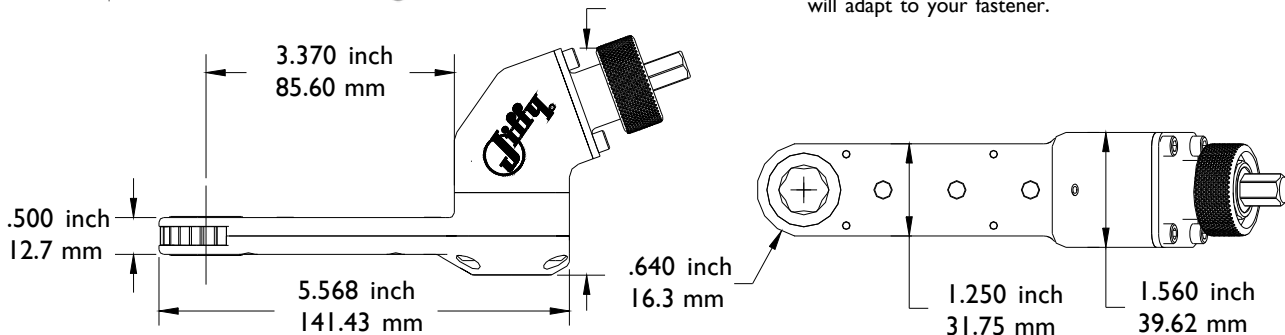
Attachments only

Series 4 Attachments must be matched with 3/8 hex drive motors.

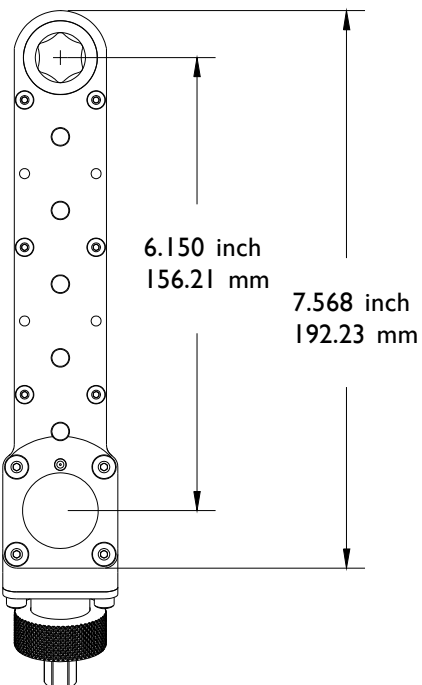


18018 Attachment
Shown with 20397 1.5 hp
250 RPM straight motor

You must select a nose gear to order an attachment.
See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



18018 ATTACHMENT



20084 ATTACHMENT

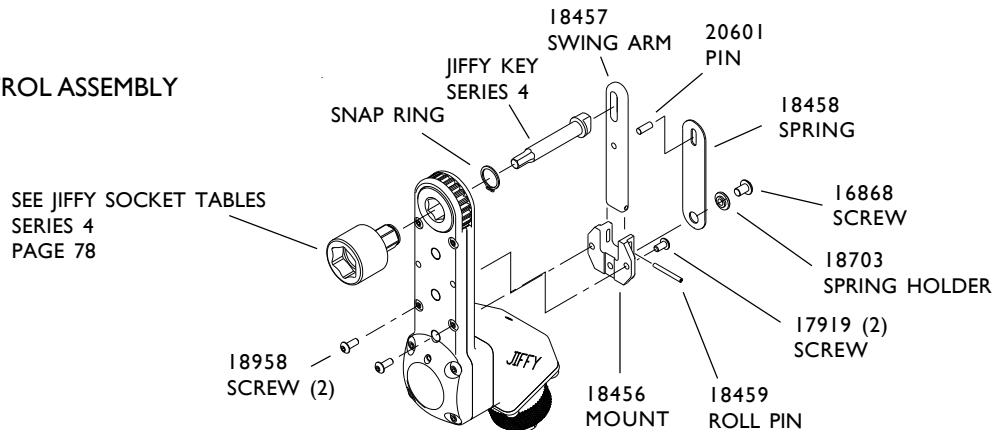
PHONE: 775 883 1072 FAX: 775 883 4857

20 DEG SERIES 4 525 Inch Lbs / 59.31 Nm



20 DEGREE FIXED INSTALLATION
.640 inch / 31.8 mm center to edge distance

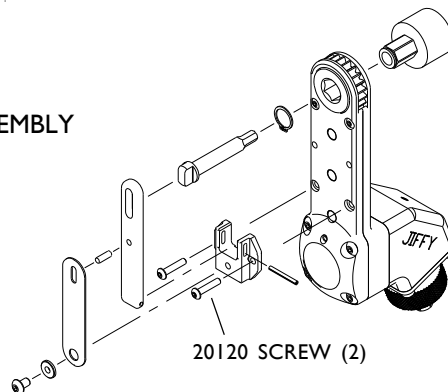
18705 JIFFY KEY CONTROL ASSEMBLY



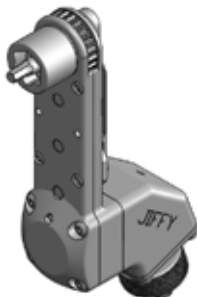
BACKDRIVE

20768 JIFFY KEY CONTROL ASSEMBLY

You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.



Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
18707	7/16	SOCKET DRIVER
18931	3/8	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.		INTERNAL HEX SIZE			TYPE	
20552		1 1/32			HEX FLUSH	
20553		3/8			HEX FLUSH	
20554		7/16			HEX FLUSH	
20555		1/2			HEX FLUSH	
20556		9/16			HEX FLUSH	
20557		5/8			HEX FLUSH	
20558		1 1/16			HEX FLUSH	
20559		3/4			HEX FLUSH	
JIFFY KEYS FLUSH						
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4
PART NO.	20564	20565	20566	20567	20568	20569



HEX THRU
The hex listed runs completely through the nose gear
No key system is used

PART NO.	SIZE	TYPE
20560	11/32	HEX THRU
20561	3/8	HEX THRU
20562	7/16	HEX THRU
20563	1/2	HEX THRU
18049	9/16	HEX THRU
18048	5/8	HEX THRU
18047	11/16	HEX THRU
17947	3/4	HEX THRU

PHONE: 775 883 1072 FAX: 775 883 4857

20 DEG SERIES 4

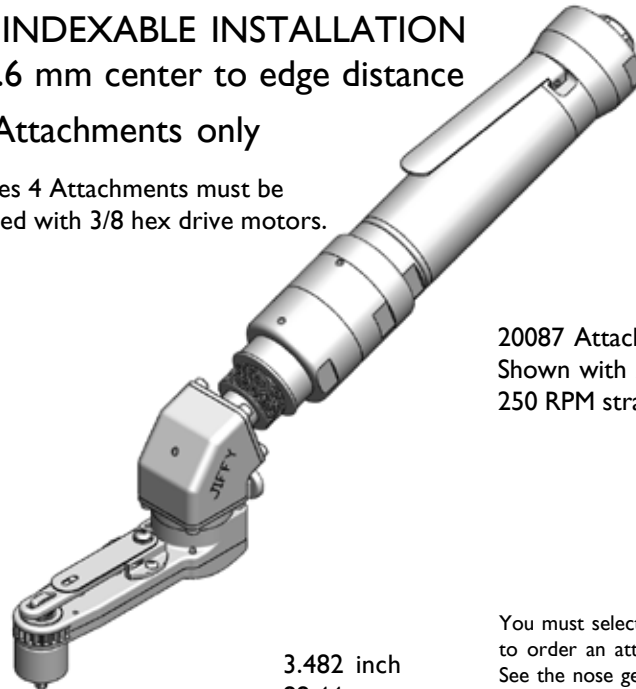
525 Inch Lbs / 59.31 Nm



20 DEGREE INDEXABLE INSTALLATION
.535 inch / 13.6 mm center to edge distance

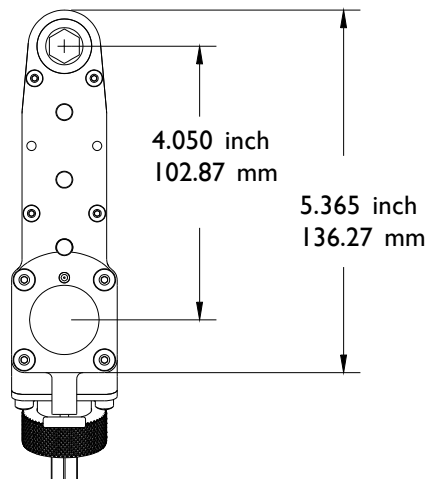
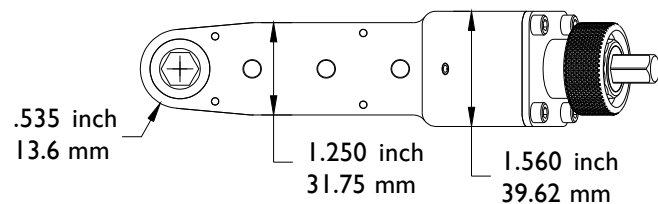
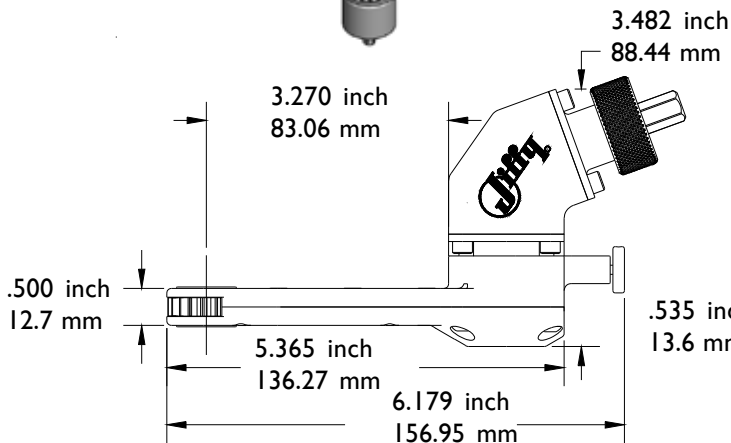
Attachments only

Series 4 Attachments must be matched with 3/8 hex drive motors.

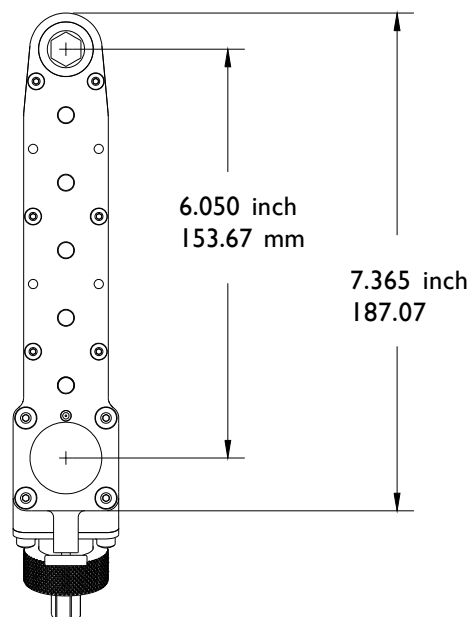


20087 Attachment
Shown with 20397 1.5 hp
250 RPM straight motor

You must select a nose gear to order an attachment.
See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



20087 ATTACHMENT



20096 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

20 DEG SERIES 4

525 Inch Lbs / 59.3l Nm

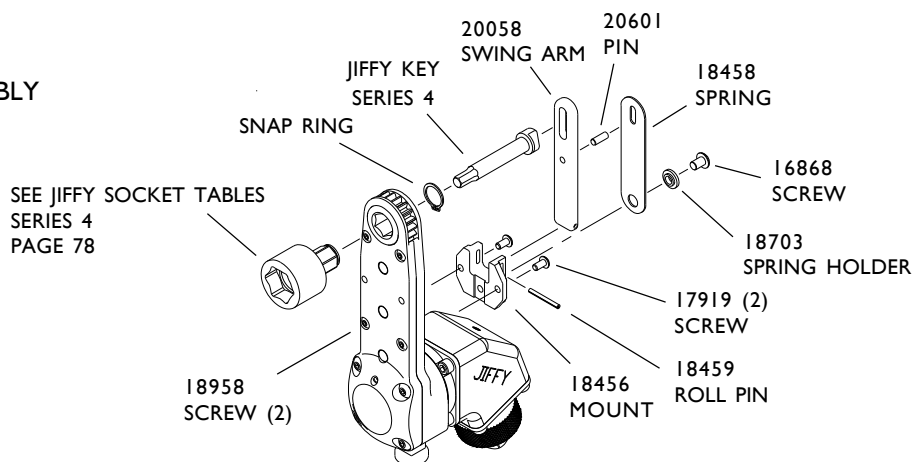


20 DEGREE INDEXABLE INSTALLATION

.535 inch / 13.6 mm center to edge distance

18706

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

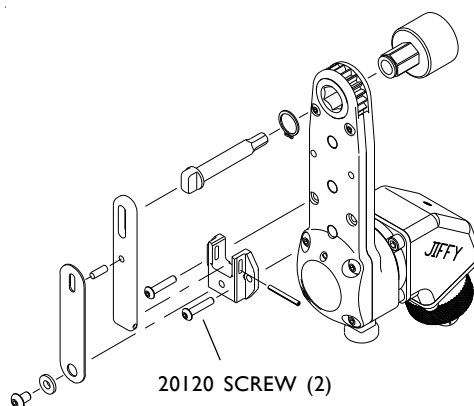
20767

JIFFY KEY CONTROL ASSEMBLY

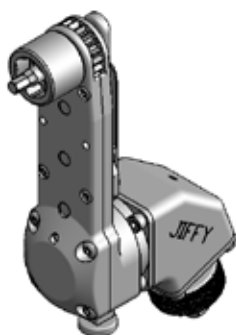
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.



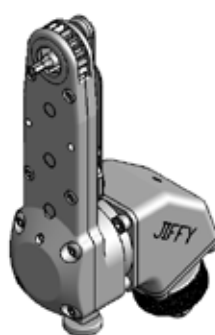
Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78.

Order with or without the Jiffy Key System.

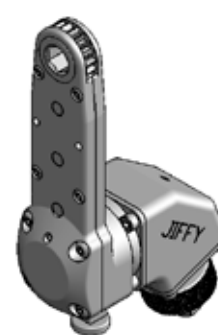
PART NO.	SIZE	TYPE
18708	7/16	SOCKET DRIVER
18930	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	INTERNAL HEX SIZE		TYPE			
20578	11/32		HEX FLUSH			
20579	3/8		HEX FLUSH			
20580	7/16		HEX FLUSH			
20581	1/2		HEX FLUSH			
20582	9/16		HEX FLUSH			
JIFFY KEYS FLUSH						
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4
PART NO.	20564	20565	20566	20567	20568	20569



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	SIZE	TYPE
20583	11/32	HEX THRU
18052	3/8	HEX THRU
18051	7/16	HEX THRU
18050	1/2	HEX THRU
17948	9/16	HEX THRU

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20 DEG SERIES 4

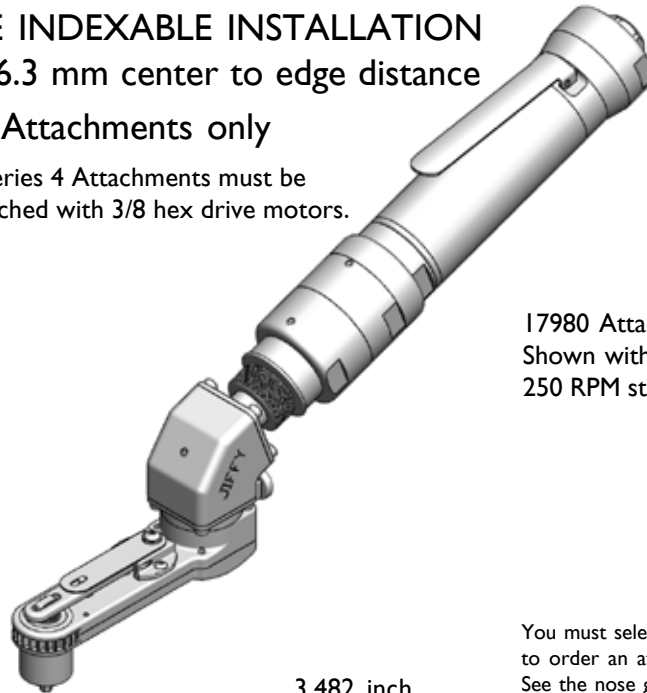
525 Inch Lbs / 59.31 Nm



20 DEGREE INDEXABLE INSTALLATION
.640 inch / 16.3 mm center to edge distance

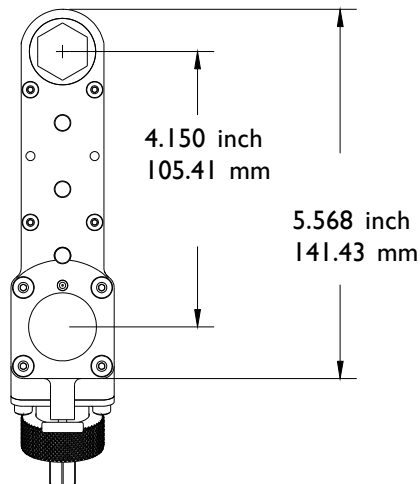
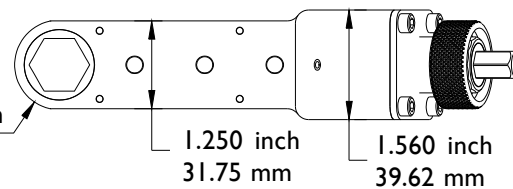
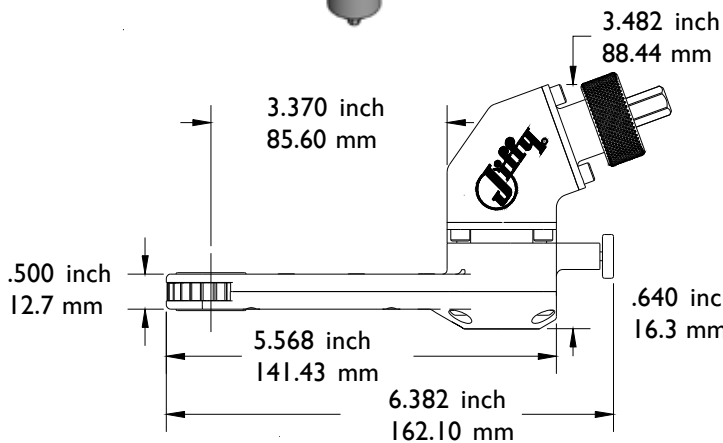
Attachments only

Series 4 Attachments must be matched with 3/8 hex drive motors.

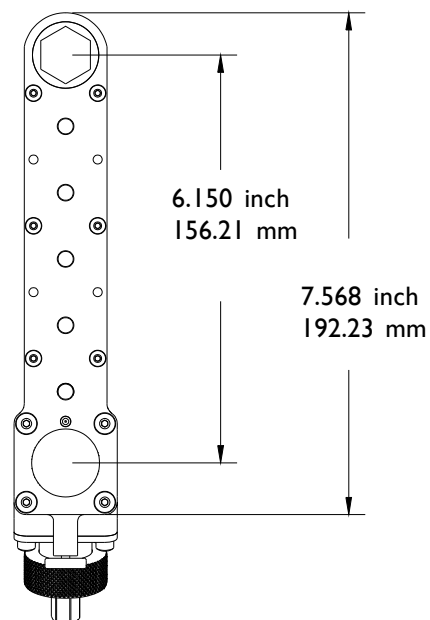


17980 Attachment
Shown with 20397 1.5 hp
250 RPM straight motor

You must select a nose gear to order an attachment.
See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



17980 ATTACHMENT



20099 ATTACHMENT

PHONE: 775 883 1072 FAX: 775 883 4857

20 DEG SERIES 4

525 Inch Lbs / 59.31 Nm

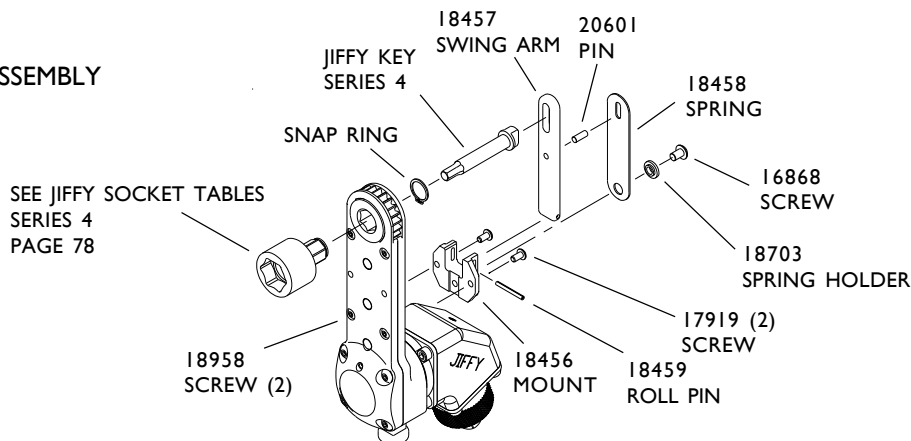


20 DEGREE INDEXABLE INSTALLATION

.640 inch / 16.3 mm center to edge distance

18705

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

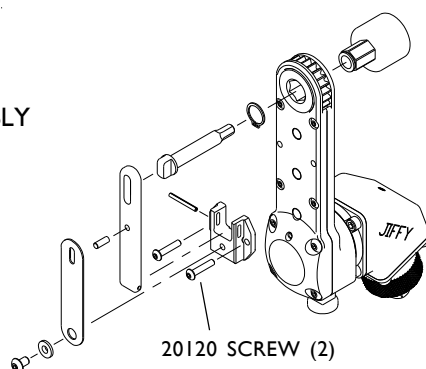
20768

JIFFY KEY CONTROL ASSEMBLY

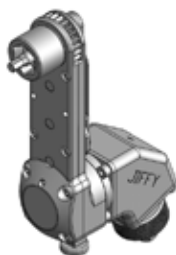
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.



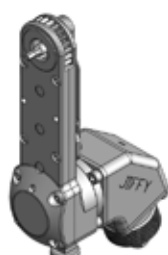
Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78.

Order with or without the Jiffy Key System.

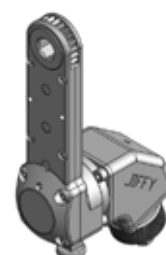
PART NO.	SIZE	TYPE
18707	7/16	SOCKET DRIVER
18931	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.		INTERNAL HEX SIZE		TYPE		
20552		11/32		HEX FLUSH		
20553		3/8		HEX FLUSH		
20554		7/16		HEX FLUSH		
20555		1/2		HEX FLUSH		
20556		9/16		HEX FLUSH		
20557		5/8		HEX FLUSH		
20558		11/16		HEX FLUSH		
20559		3/4		HEX FLUSH		
JIFFY KEYS FLUSH						
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4
PART NO.	20564	20565	20566	20567	20568	20569



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	SIZE	TYPE
20560	11/32	HEX THRU
20561	3/8	HEX THRU
20562	7/16	HEX THRU
20563	1/2	HEX THRU
18049	9/16	HEX THRU
18048	5/8	HEX THRU
18047	11/16	HEX THRU
17947	3/4	HEX THRU

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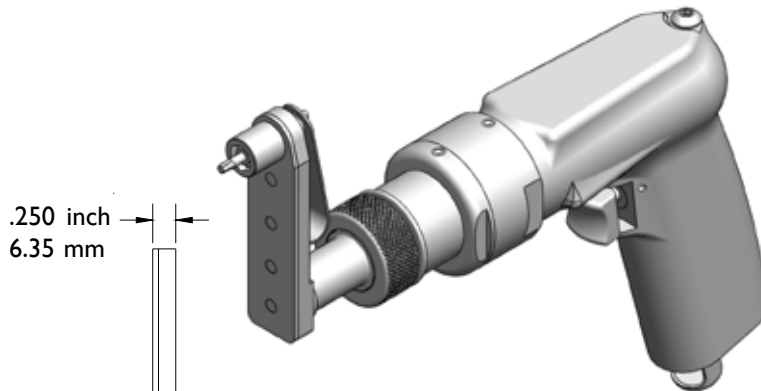
LTI SERIES 1

60 Inch Lbs / 6.77 Nm



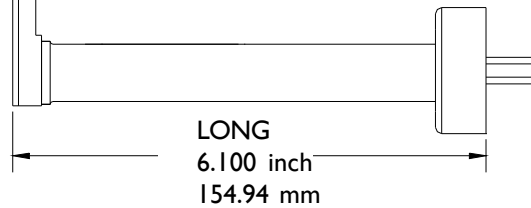
L TYPE INSTALLATION .317 inch / 8.05mm center to edge distance

Attachments only

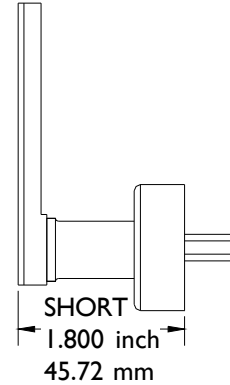


I4480 Attachment
Shown with I7882 .85 hp
500 RPM offset motor

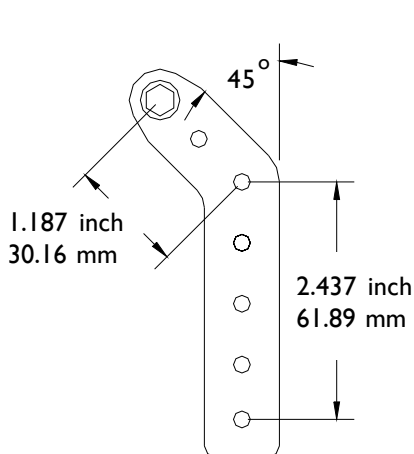
.250 inch
6.35 mm



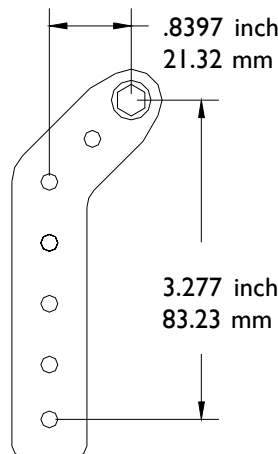
LONG
6.100 inch
154.94 mm



SHORT
1.800 inch
45.72 mm



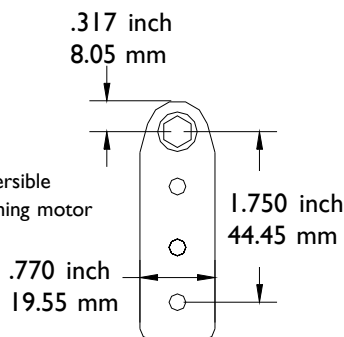
RIGHT HAND
I3198 Long
I3199 Short



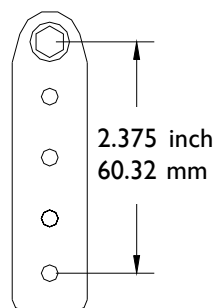
LEFT HAND
I3200 Long
I3201 Short

You must select a nose gear to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.

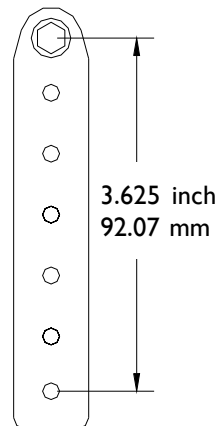
* Requires reversible
or reverse running motor
for front drive



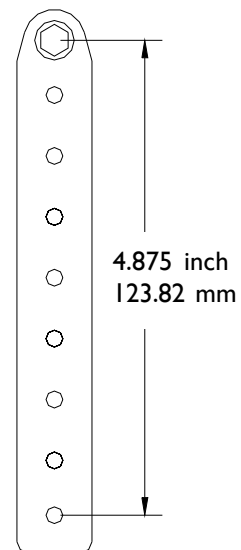
I3192* Long
I3193* Short



I4479 Long
I4480 Short



I3194 Long
I3195 Short



I3196 Long
I3197 Short

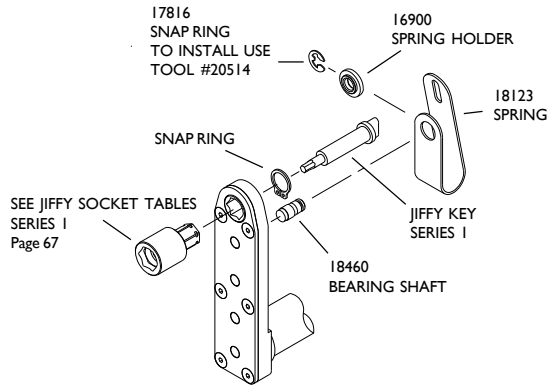
PHONE: 775 883 1072 FAX: 775 883 4857

LTI SERIES 1 60 Inch Lbs / 6.77 Nm

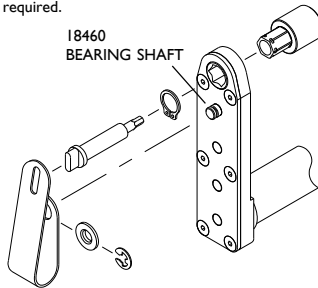
L TYPE INSTALLATION .317 inch / 8.05mm center to edge distance



18943 JIFFY KEY CONTROL ASSEMBLY



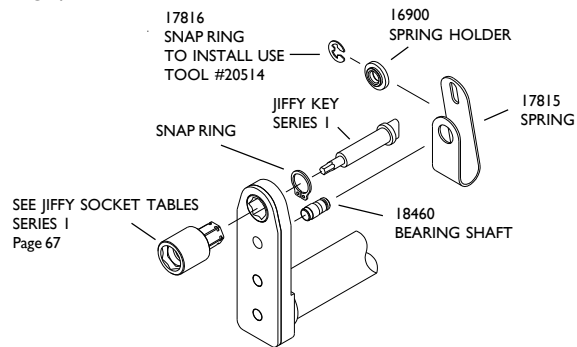
For BACK DRIVE setup the 18460 bearing shaft must be reversed. You must specify BACK DRIVE when ordering. Reversible or reverse running motors required.



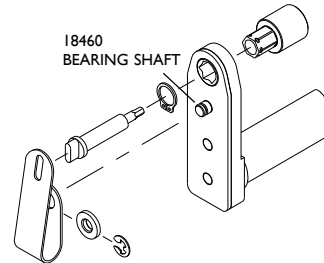
18942 JIFFY KEY CONTROL ASSEMBLY

ATTACHMENTS
13192 & 13193 (4 GEAR)
ONLY

Reversible or reverse running motors required.



For BACK DRIVE setup the 18460 bearing shaft must be reversed. You must specify BACK DRIVE when ordering.



Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series I Sockets starting on Page 67. Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
12465	9/32	SOCKET DRIVER
13186	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
20400	7/32	HEX FLUSH
20069	1/4	HEX FLUSH
20402	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	HEX SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

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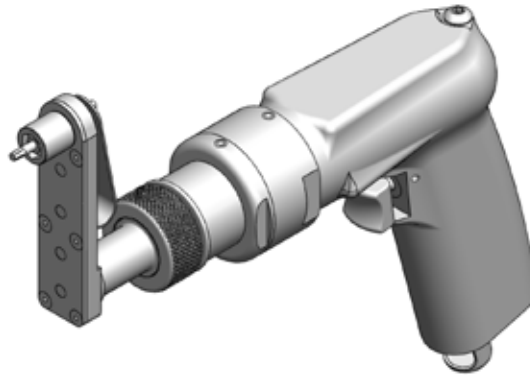
LTI SERIES 1

60 Inch Lbs / 6.77 Nm



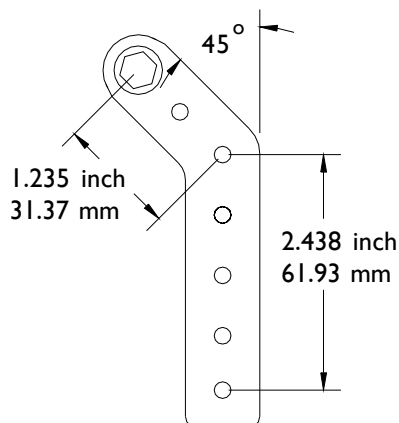
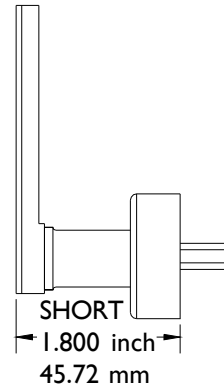
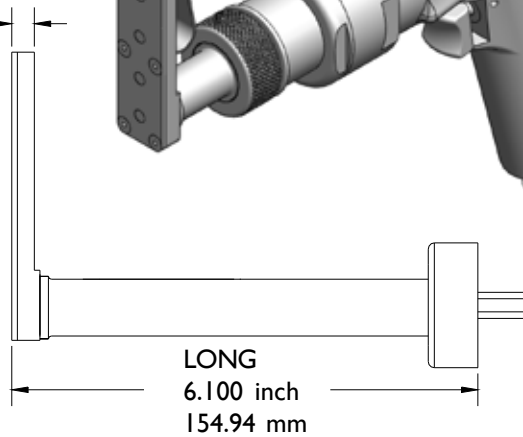
L TYPE INSTALLATION .366 inch / 9.30mm center to edge distance

Attachments only

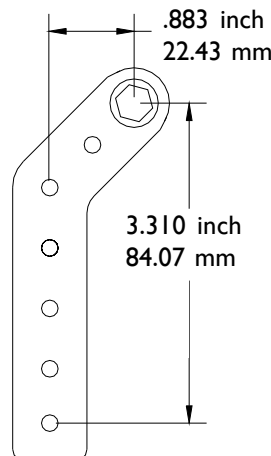


20509 Attachment
Shown with 17882 .85 hp
500 RPM offset motor

.250 inch
6.35 mm



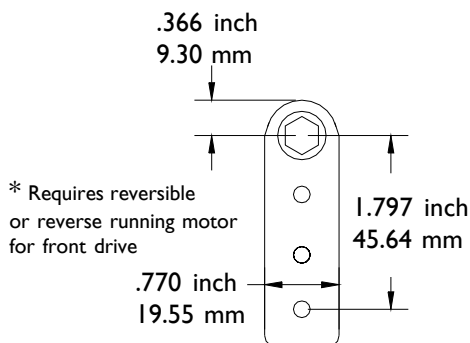
RIGHT HAND
20502 Long
20503 Short



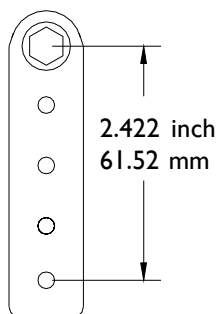
LEFT HAND
20504 Long
20505 Short

You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.

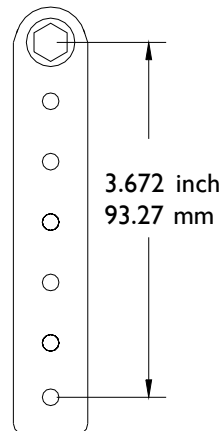
PHONE: 775 883 1072 FAX: 775 883 4857



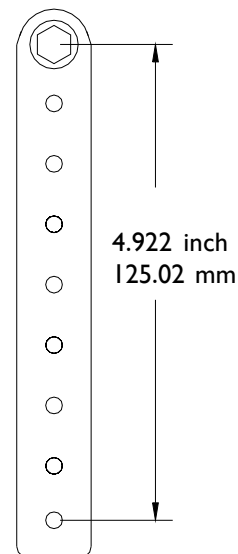
20506* Long
20507* Short



20508 Long
20509 Short



20510 Long
20511 Short



20512 Long
20513 Short

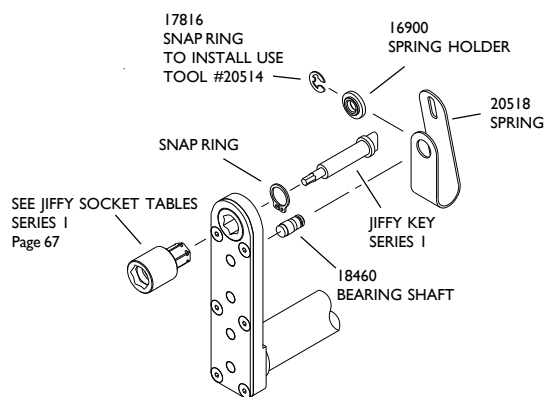
* Requires reversible
or reverse running motor
for front drive

LTI SERIES 1 60 Inch Lbs / 6.77 Nm

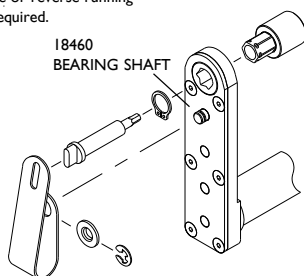
L TYPE INSTALLATION .366 inch / 9.30mm center to edge distance



20450 JIFFY KEY CONTROL ASSEMBLY



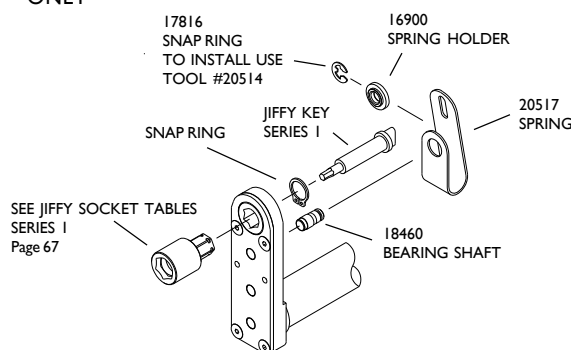
For BACK DRIVE setup the 18460 bearing shaft must be reversed. You must specify BACK DRIVE when ordering. Reversible or reverse running motors required.



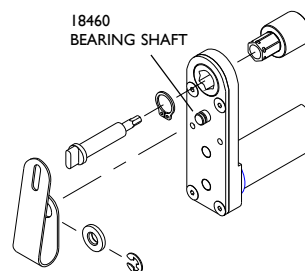
20449 JIFFY KEY CONTROL ASSEMBLY

ATTACHMENTS
20506 & 20507 (4 GEAR)
ONLY

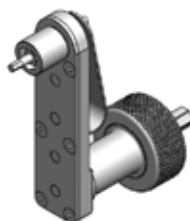
Reversible or reverse running
motors required.



For BACK DRIVE setup the 18460 bearing shaft must be reversed. You must specify BACK DRIVE when ordering.

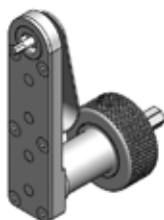


Nose Gear Selection



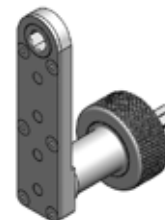
The SOCKET DRIVER will adapt the attachment to accept Series I Sockets starting on Page 67. Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
20515	9/32	SOCKET DRIVER
20516	1/4	SQ. DRIVE MALE



HEX FLUSH
The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	SIZE	TYPE
20403	7/32	HEX FLUSH
20404	1/4	HEX FLUSH
20405	9/32	HEX FLUSH
20406	5/16	HEX FLUSH
20407	1 1/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18932	18933 18934



HEX THRU
The hex listed runs completely through the nose gear. No key system is used.

PART NO.	HEX SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	1 1/32	HEX THRU

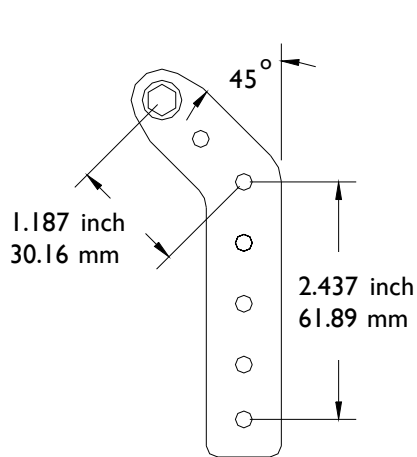
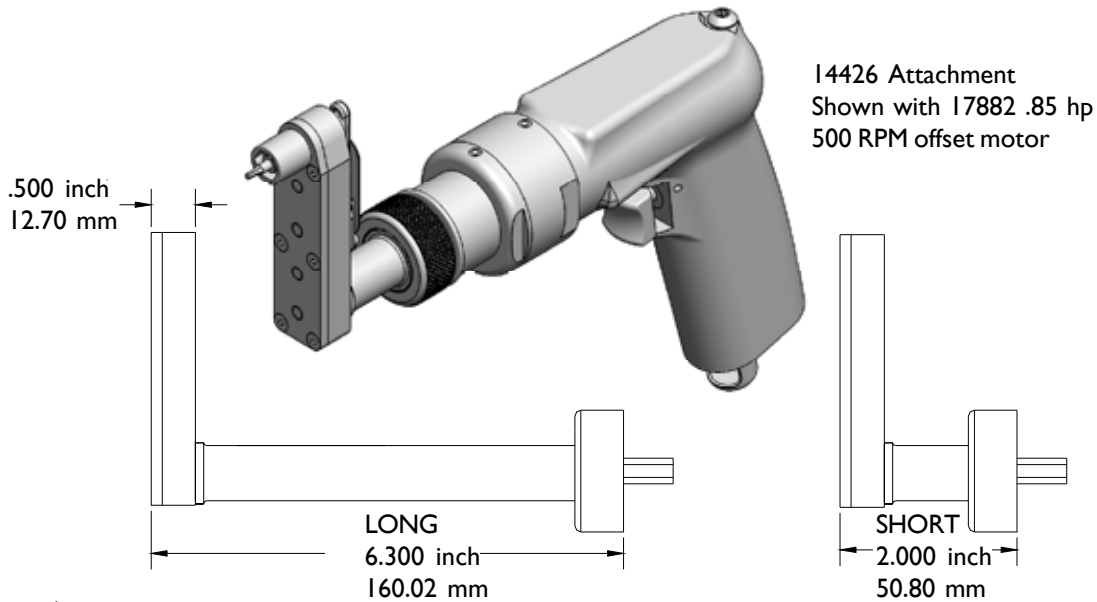
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LTI SERIES 2

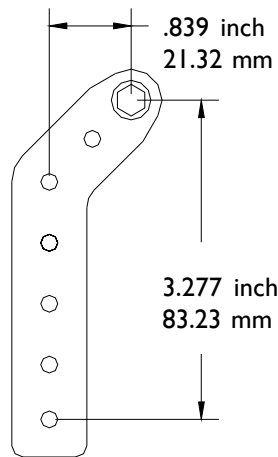
120 Inch Lbs / 13.55 Nm



L TYPE INSTALLATION .317 inch / 8.05mm center to edge distance
Attachments only

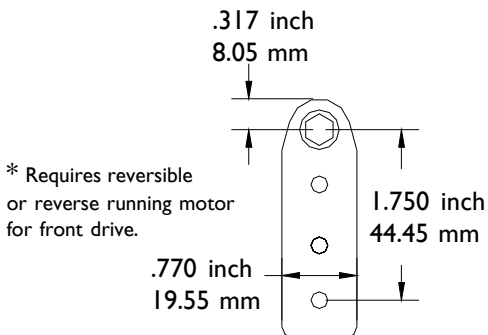


RIGHT HAND
13210 Long
13211 Short

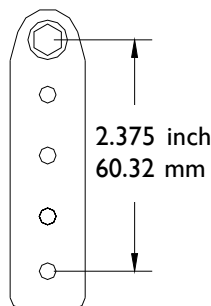


LEFT HAND
13212 Long
13213 Short

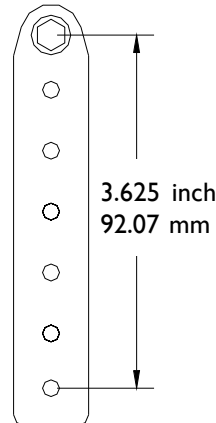
You must select a nose gear to order an attachment. See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



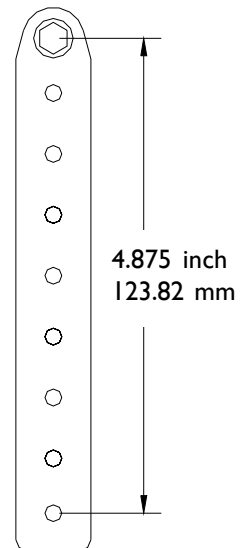
13204* Long
13205* Short



14425 Long
14426 Short



14481 Long
14482 Short



13208 Long
13209 Short

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LTI SERIES 2 120 Inch Lbs / 13.55 Nm

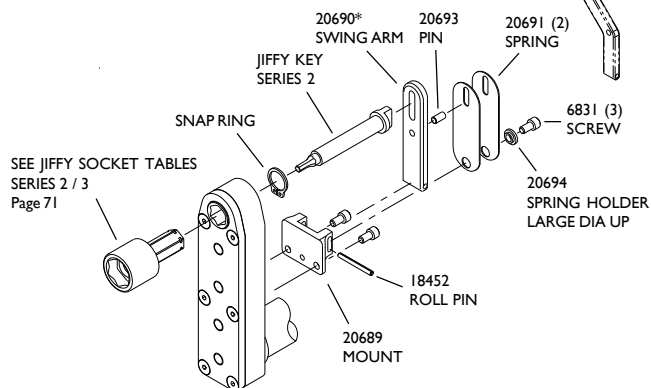
L TYPE INSTALLATION .317 inch / 8.05mm center to edge distance



20688 JIFFY KEY CONTROL ASSEMBLY

*20720 JIFFY KEY CONTROL ASSEMBLY
For 13210 & 13211 right hand attachments

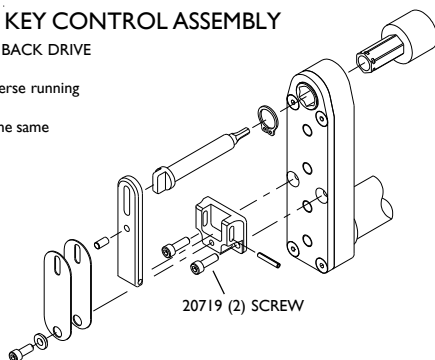
*20721 JIFFY KEY CONTROL ASSEMBLY
For 13212 & 13213 left hand attachments



BACK DRIVE

20764 JIFFY KEY CONTROL ASSEMBLY

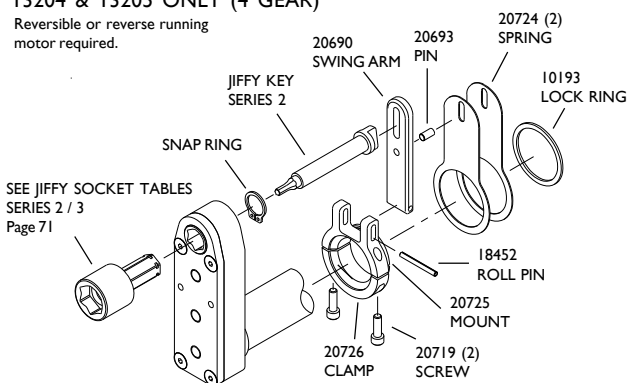
You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.



20723 JIFFY KEY CONTROL ASSEMBLY ATTACHMENTS

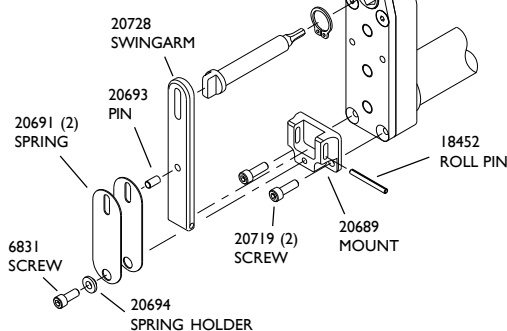
13204 & 13205 ONLY (4 GEAR)

Reversible or reverse running motor required.

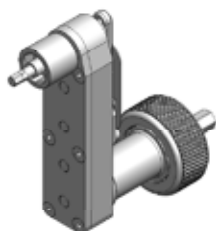


20727 JIFFY KEY CONTROL ASSEMBLY BACK DRIVE

13204 & 13205 ONLY (4 GEAR)

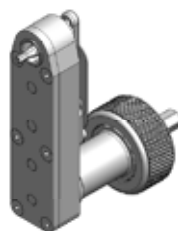


Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
12467	9/32	SOCKET DRIVER
12468	1/4	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	1/16	5/64 3/32 1/8
PART NO.	18155	18156 18157 18158



HEX THRU

The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

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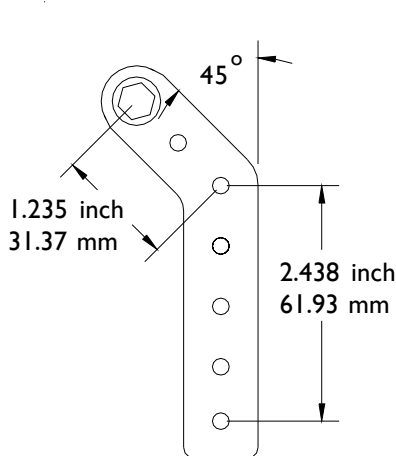
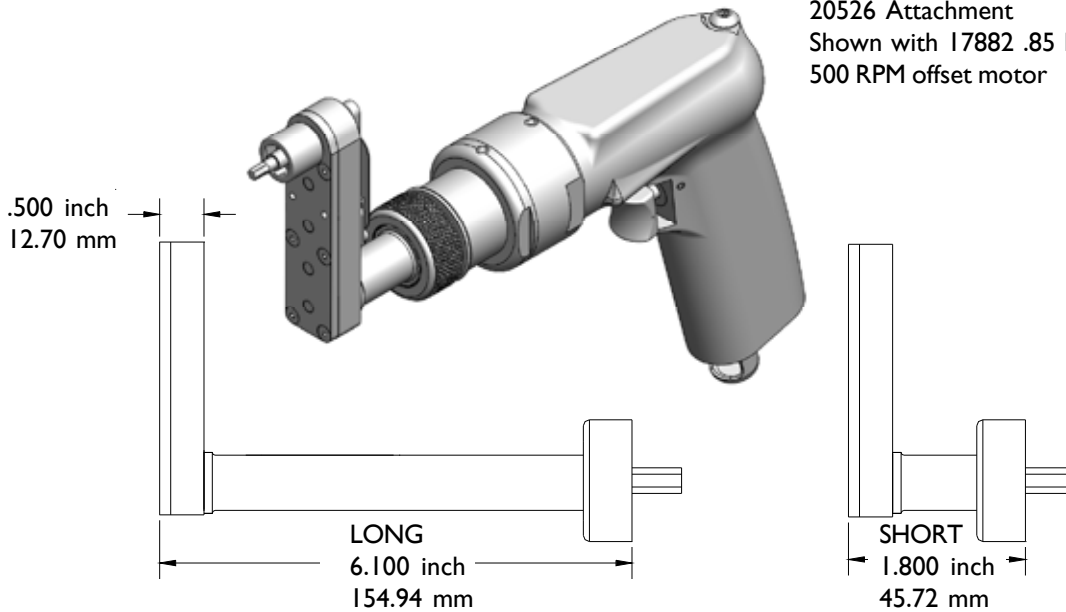
LTI SERIES 2 120 Inch Lbs / 13.55 Nm



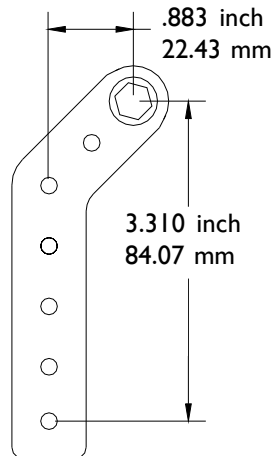
L TYPE INSTALLATION .366 inch / 9.30mm center to edge distance

Attachments only

20526 Attachment
Shown with 17882 .85 hp
500 RPM offset motor

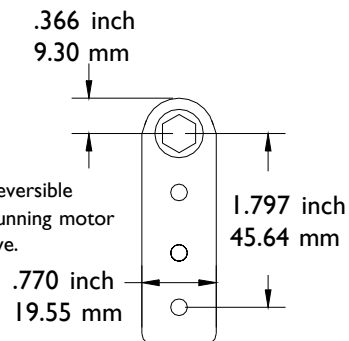


RIGHT HAND
20519 Long
20520 Short

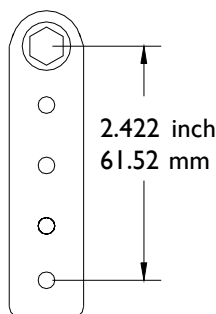


LEFT HAND
20521 Long
20522 Short

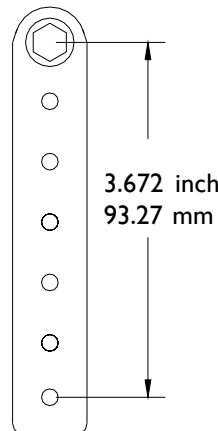
You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



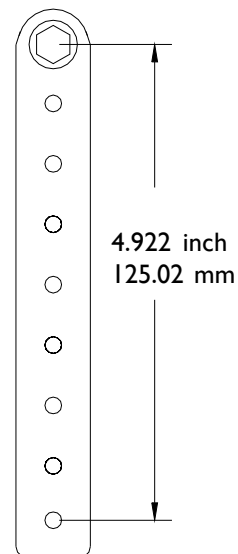
20523* Long
20524* Short



20525 Long
20526 Short



20527 Long
20528 Short



20529 Long
20530 Short

* Requires reversible
or reverse running motor
for front drive.

PHONE: 775 883 1072 FAX: 775 883 4857

LTI SERIES 2

120 Inch Lbs / 13.55 Nm

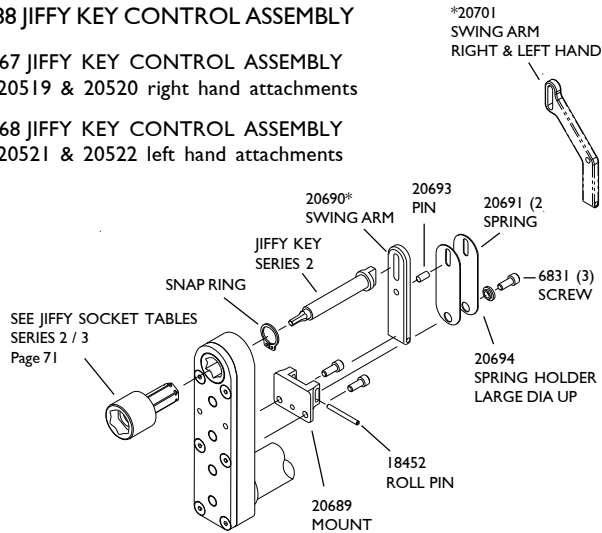


L TYPE INSTALLATION .366 inch / 9.30mm center to edge distance

20688 JIFFY KEY CONTROL ASSEMBLY

*21067 JIFFY KEY CONTROL ASSEMBLY
For 20519 & 20520 right hand attachments

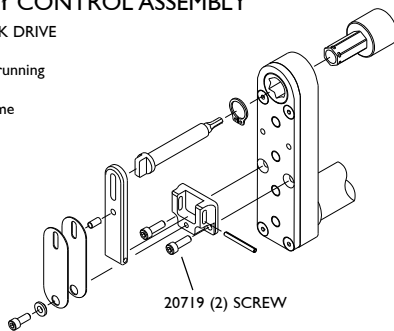
*21068 JIFFY KEY CONTROL ASSEMBLY
For 20521 & 20522 left hand attachments



BACK DRIVE

20764 JIFFY KEY CONTROL ASSEMBLY

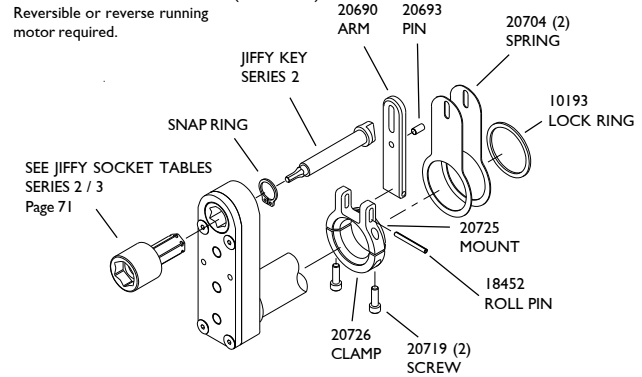
You must specify BACK DRIVE when ordering.
Reversible or reverse running motor required.
All parts remain the same except as noted.



20723 JIFFY KEY CONTROL ASSEMBLY ATTACHMENTS

20523 & 20524 ONLY (4 GEAR)

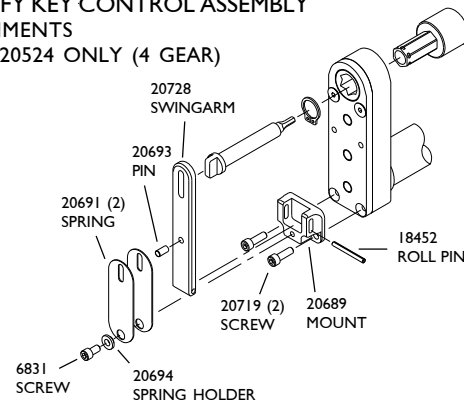
Reversible or reverse running motor required.



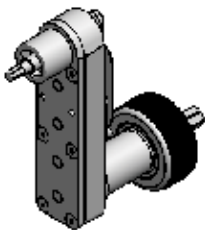
BACK DRIVE

20727 JIFFY KEY CONTROL ASSEMBLY ATTACHMENTS

20523 & 20524 ONLY (4 GEAR)

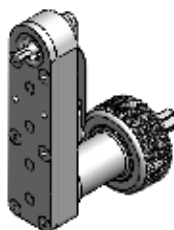


Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 2 / 3 Sockets starting on Page 71.
Order with or without the Jiffy Key System.

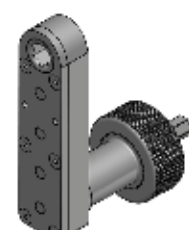
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear.
Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.	HEX SIZE	TYPE			
15374	7/32	HEX FLUSH			
15375	1/4	HEX FLUSH			
15376	9/32	HEX FLUSH			
15377	5/16	HEX FLUSH			
15460	11/32	HEX FLUSH			
JIFFY KEYS FLUSH					
KEY HEX	1/16	5/64	3/32	1/8	
PART NO.	18155	18156	18157	18158	



HEX THRU

The hex listed runs completely through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

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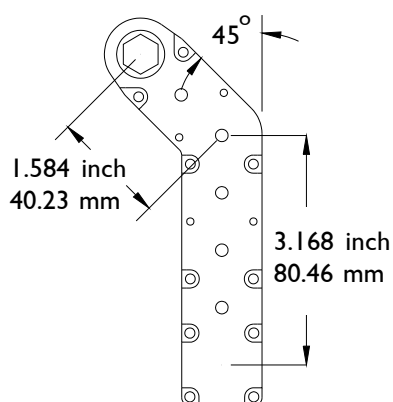
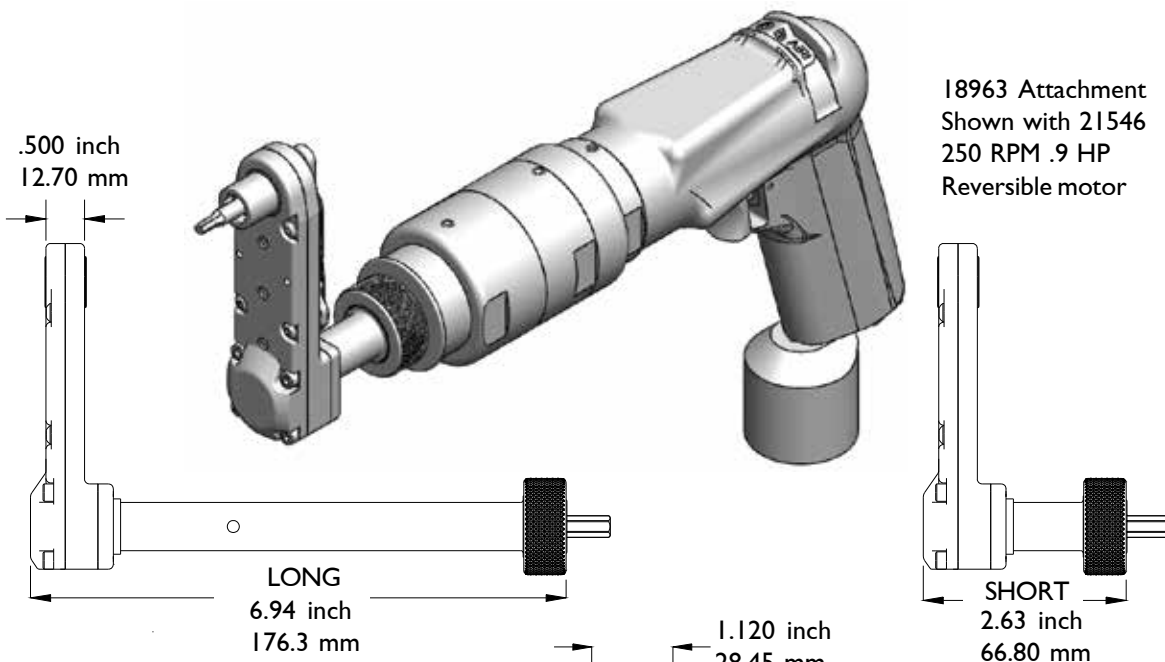
LTI SERIES 3

350 Inch Lbs / 39.54 Nm

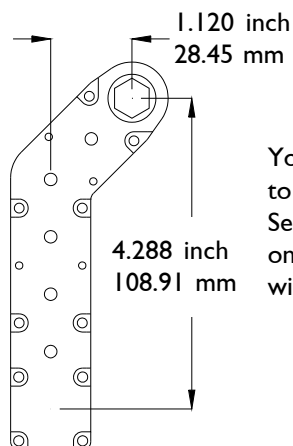


L TYPE INSTALLATION .500 inch / 12.7 mm center to edge distance

Attachments only

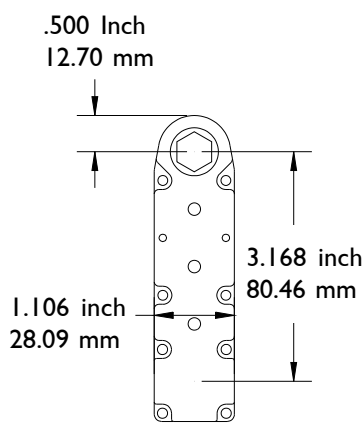


RIGHT HAND
20543 Long
20544 Short

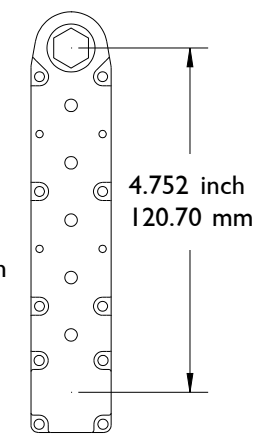


LEFT HAND
20547 Long
20548 Short

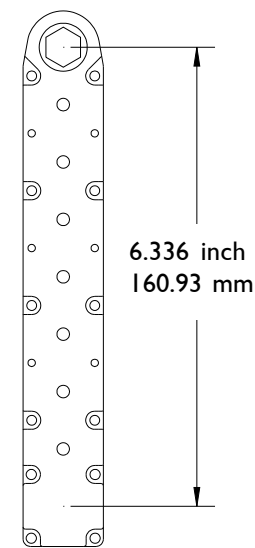
You must select a nose gear to order an attachment. See the nose gear tables for information on the variety of ways our attachments will adapt to your fastener.



18964 Long
18963 Short



20136 Long
20137 Short



20539 Long
20540 Short

PHONE: 775 883 1072 FAX: 775 883 4857

LTI SERIES 3 350 Inch Lbs / 39.54 Nm



L TYPE INSTALLATION .500 inch / 12.7 mm center to edge distance

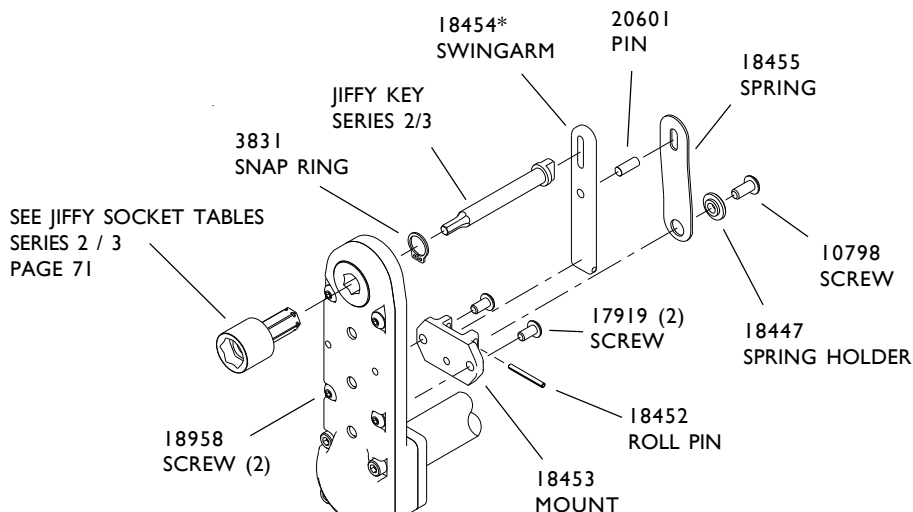
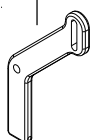
18448

JIFFY KEY CONTROL ASSEMBLY

*20730 JIFFY KEY CONTROL ASSEMBLY
for 20543 & 20544 right hand attachments

*20731 JIFFY KEY CONTROL ASSEMBLY
for 20547 & 20548 left hand attachments

*20732
SWINGARM
RIGHT & LEFT HAND



BACKDRIVE

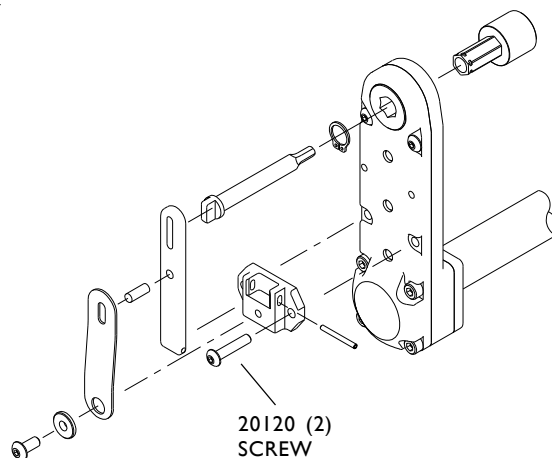
20766

JIFFY KEY CONTROL ASSEMBLY

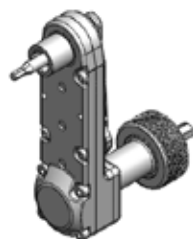
You must specify BACK DRIVE
when ordering.

Reversible or reverse running
motor required.

All parts remain the same
except as noted.

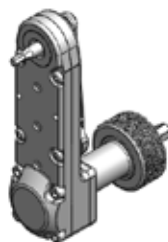


Nose Gear Selection



The SOCKET DRIVER will adapt the
attachment to accept Series 2 / 3 Sockets
starting on Page 71.
Order with or without the
Jiffy Key System.

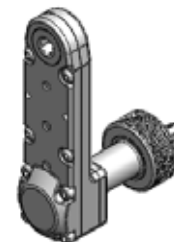
PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ. DRIVE MALE
20748	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear.
Choose the Hex Flush gear and Key
from the table or order without
the Jiffy Key System.

PART NO.	HEX SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH
JIFFY KEYS FLUSH		
KEY HEX	3/32	1/8 5/32 3/16
PART NO.	18157	18158 18935 18936



HEX THRU

The hex listed runs completely
through the nose gear
No key system is used

PART NO.	HEX SIZE	TYPE
16039	5/16	HEX THRU
15892	11/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU

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LTI SERIES 4

525 Inch Lbs / 59.31 Nm

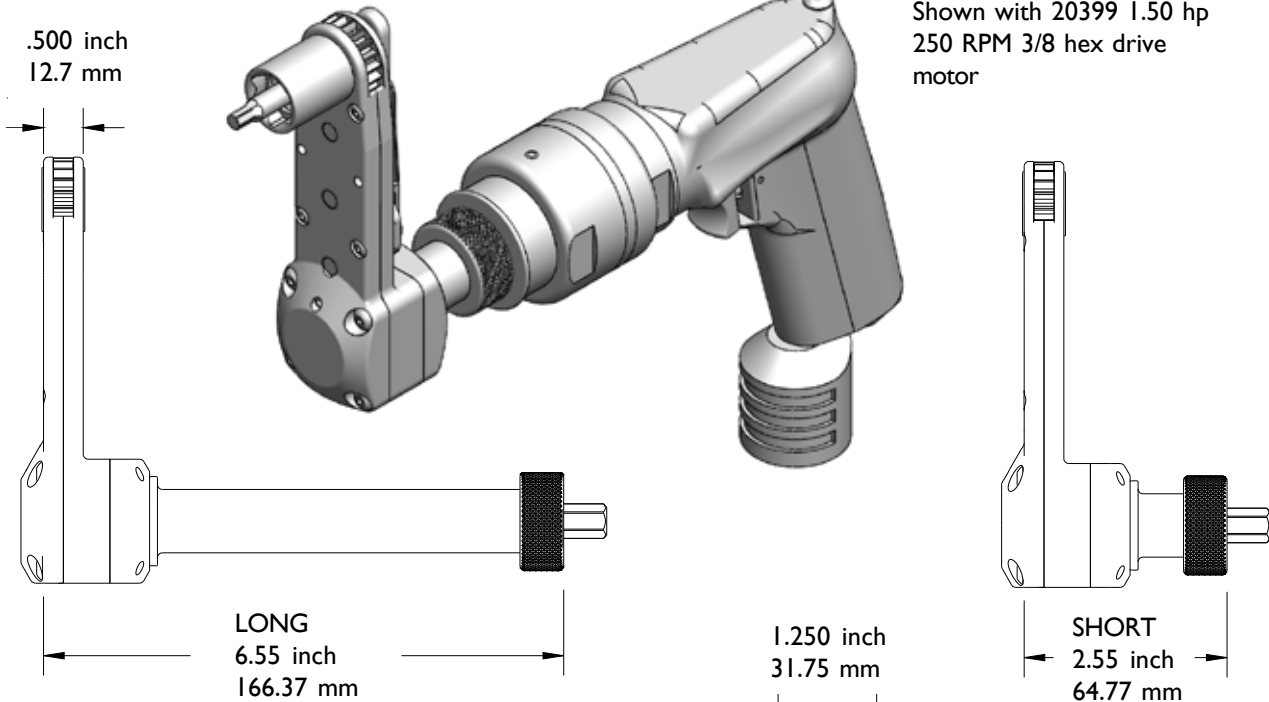


L TYPE INSTALLATION .535 inch / 13.6 mm center to edge distance

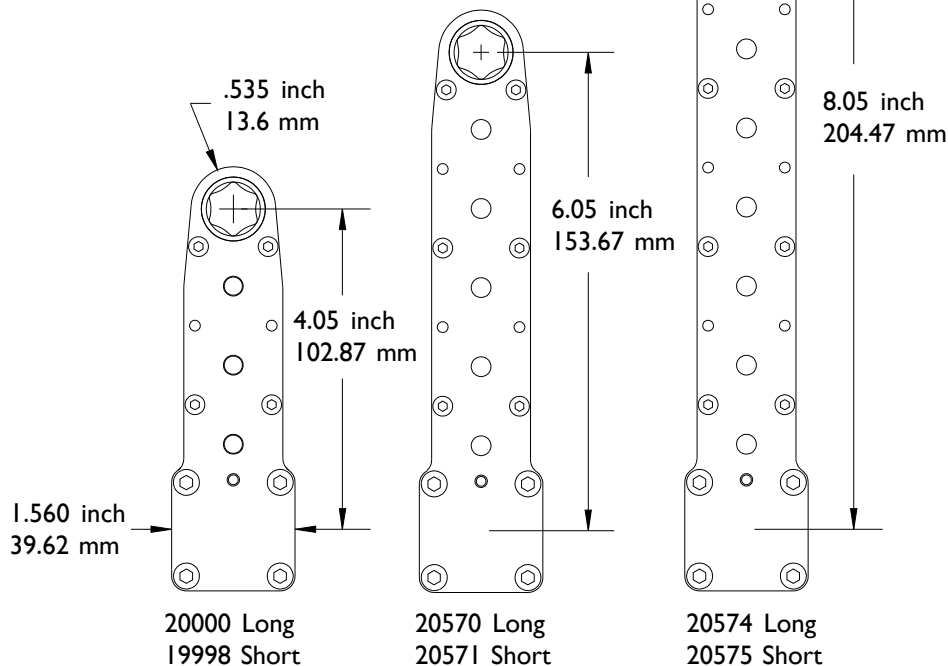
Attachments only

Series 4 Attachments must be matched with 3/8 hex drive motors.

19998 Attachment
Shown with 20399 1.50 hp
250 RPM 3/8 hex drive
motor



You must select a nose gear
to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



PHONE: 775 883 1072 FAX: 775 883 4857

LTI SERIES 4

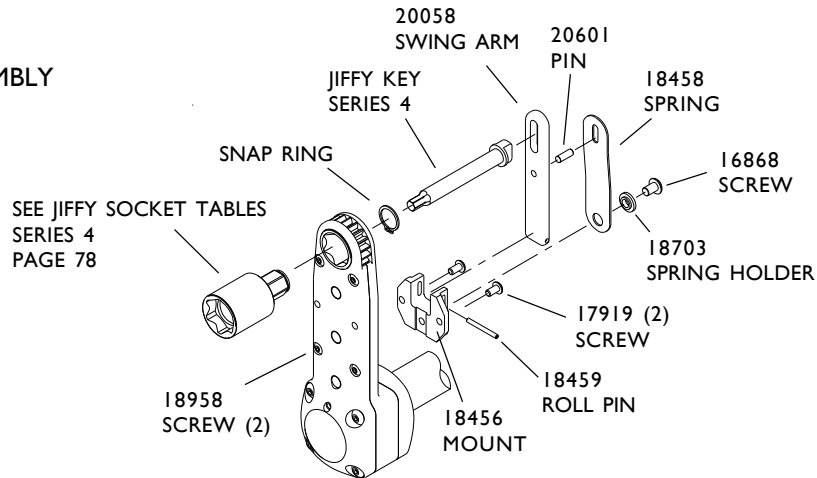
525 Inch Lbs / 59.31 Nm



L TYPE INSTALLATION .535 inch / 13.6 mm center to edge distance

18706

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

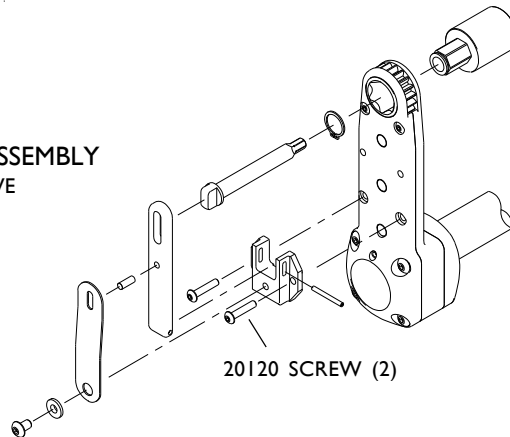
20767

JIFFY KEY CONTROL ASSEMBLY

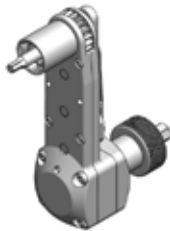
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.

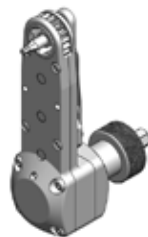


Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78. Order with or without the Jiffy Key System.

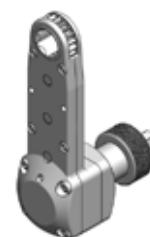
PART NO.	SIZE	TYPE
18708	7/16	SOCKET DRIVER
18930	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

PART NO.		INTERNAL HEX SIZE		TYPE		
20578		1 1/32		HEX FLUSH		
20579		3/8		HEX FLUSH		
20580		7/16		HEX FLUSH		
20581		1/2		HEX FLUSH		
20582		9/16		HEX FLUSH		
JIFFY KEYS FLUSH						
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4
PART NO.	20564	20565	20566	20567	20568	20569



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	SIZE	TYPE
20583	11/32	HEX THRU
18052	3/8	HEX THRU
18051	7/16	HEX THRU
18050	1/2	HEX THRU
17948	9/16	HEX THRU

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LTI SERIES 4

525 Inch Lbs / 59.31 Nm

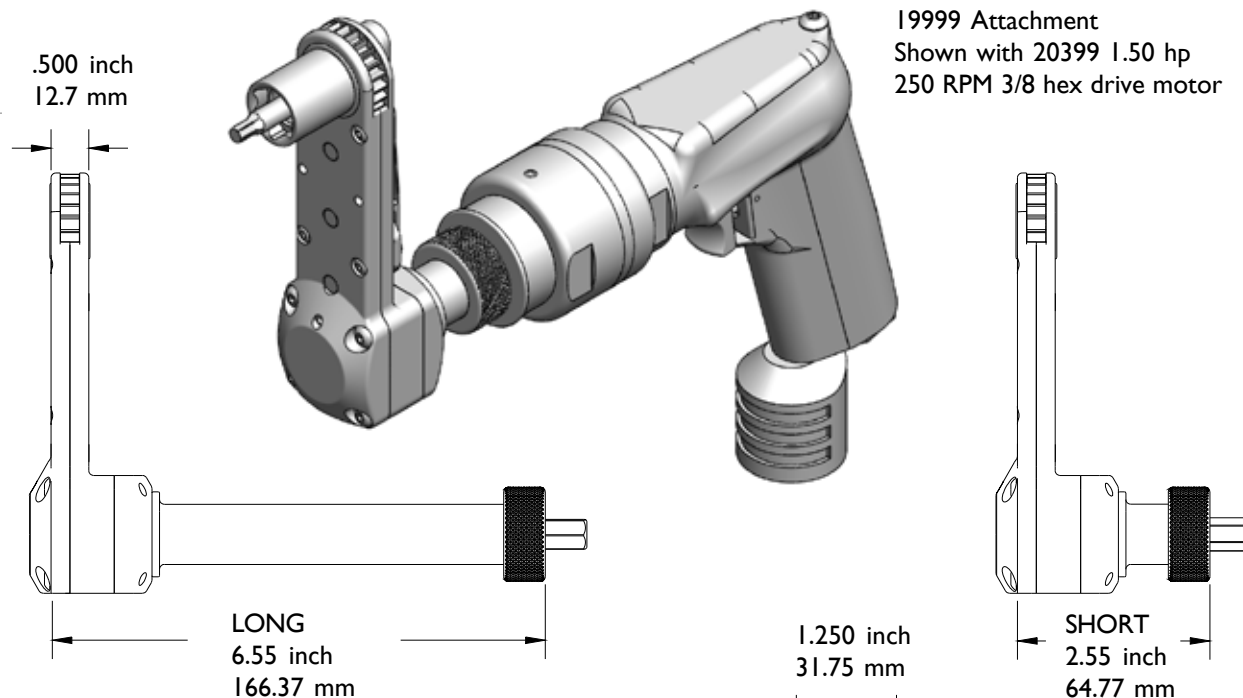


L TYPE INSTALLATION .640 inch / 16.3 mm center to edge distance

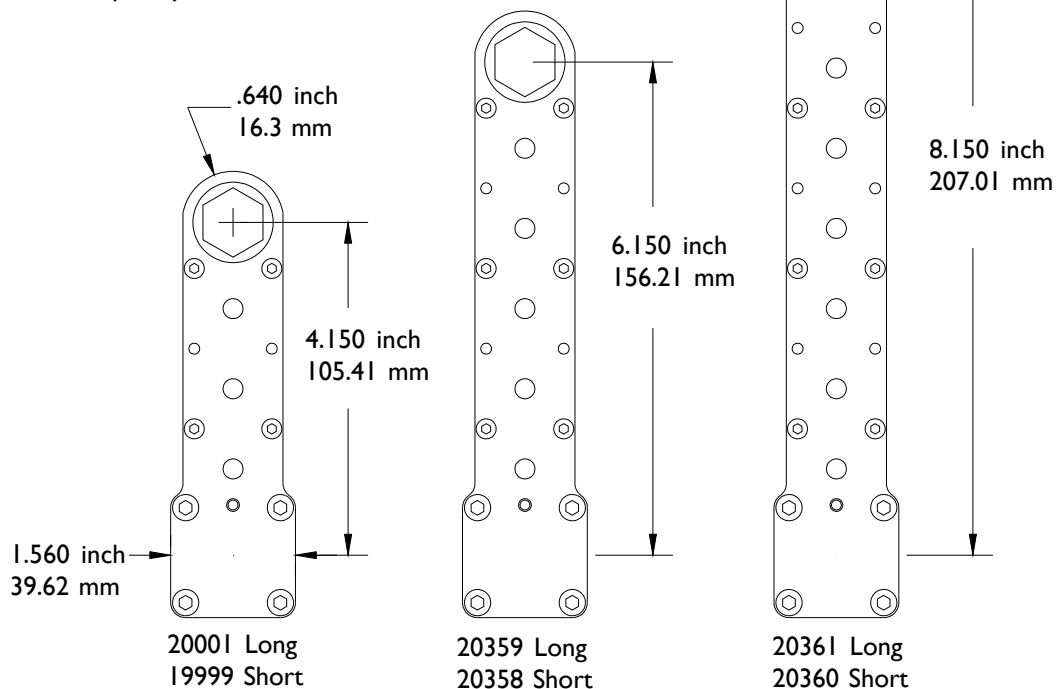
Attachments only

Series 4 Attachments must be matched with 3/8 hex drive motors.

19999 Attachment
Shown with 20399 1.50 hp
250 RPM 3/8 hex drive motor



You must select a nose gear to order an attachment.
See the nose gear tables for information
on the variety of ways our attachments
will adapt to your fastener.



PHONE: 775 883 1072 FAX: 775 883 4857

LTI SERIES 4

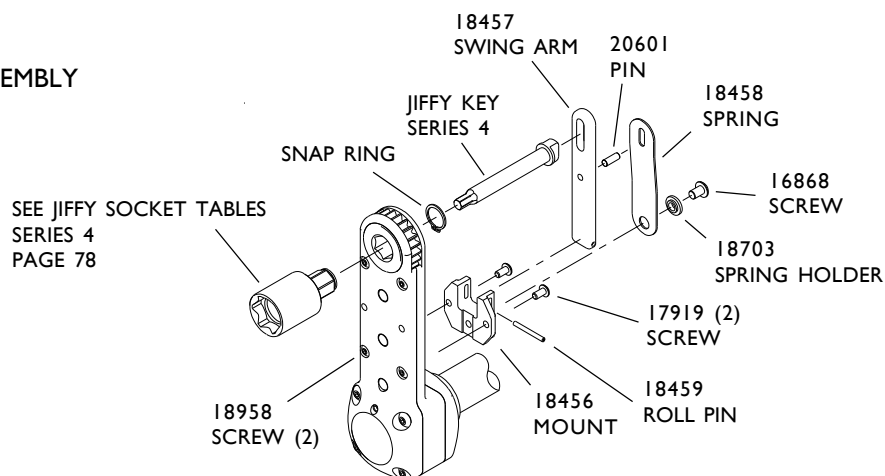
525 Inch Lbs / 59.31 Nm



L TYPE INSTALLATION .640 inch / 16.3 mm center to edge distance

18705

JIFFY KEY CONTROL ASSEMBLY



BACKDRIVE

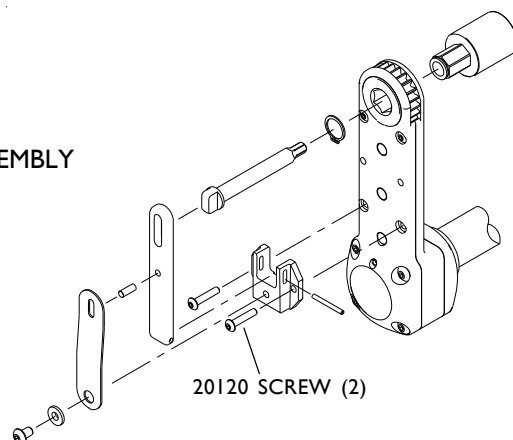
20768

JIFFY KEY CONTROL ASSEMBLY

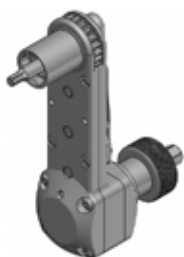
You must specify BACK DRIVE when ordering.

Reversible or reverse running motor required.

All parts remain the same except as noted.



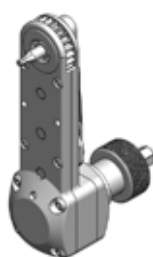
Nose Gear Selection



The SOCKET DRIVER will adapt the attachment to accept Series 4 Sockets starting on Page 78.

Order with or without the Jiffy Key System.

PART NO.	SIZE	TYPE
18707	7/16	SOCKET DRIVER
18931	3/8	SQ. DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the table or order without the Jiffy Key System.

the jiffy key system.

PART NO.		INTERNAL HEX SIZE			TYPE	
20552		11/32			HEX FLUSH	
20553		3/8			HEX FLUSH	
20554		7/16			HEX FLUSH	
20555		1/2			HEX FLUSH	
20556		9/16			HEX FLUSH	
20557		5/8			HEX FLUSH	
20558		11/16			HEX FLUSH	
20559		3/4			HEX FLUSH	
JIFFY KEYS FLUSH						
KEY HEX	3/32	1/8	5/32	3/16	7/32	1/4
PART NO.	20564	20565	20566	20567	20568	20569



HEX THRU

The hex listed runs completely through the nose gear. No key system is used.

PART NO.	SIZE	TYPE
20560	1 1/32	HEX THRU
20561	3/8	HEX THRU
20562	7/16	HEX THRU
20563	1/2	HEX THRU
18049	9/16	HEX THRU
18048	5/8	HEX THRU
18047	1 1/16	HEX THRU
17947	3/4	HEX THRU

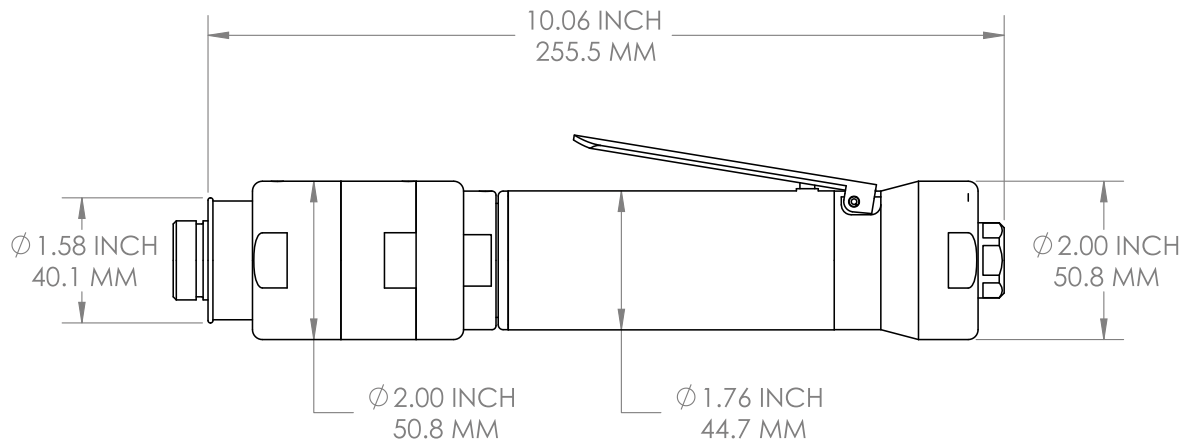
PHONE: 775 883 1072 FAX: 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI) 1.5 H.P. STRAIGHT HANDLE

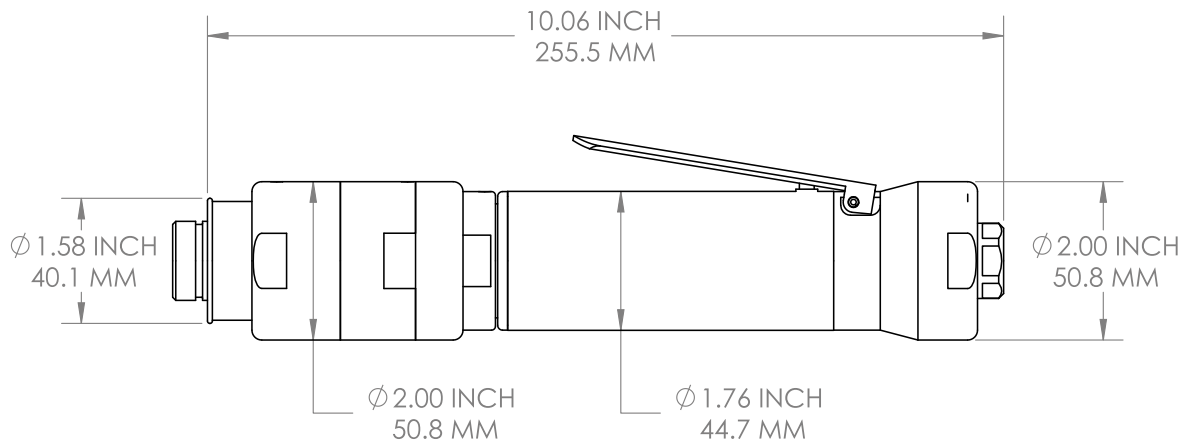


To conform to EC standards straight motors must be ordered with a safety lever (page 58)
 Add -I to motor order number to designate safety lever.

RPM	HEX DRIVE SIZE	ORDER NUMBER	WEIGHT
250	1 / 4 "	20396	3.73 LB / 1.7 KG
250	3 / 8 "	20397	3.73 LB / 1.7 KG



500	1 / 4 "	20994	3.73 LB / 1.7 KG
500	3 / 8 "	20996	3.73 LB / 1.7 KG



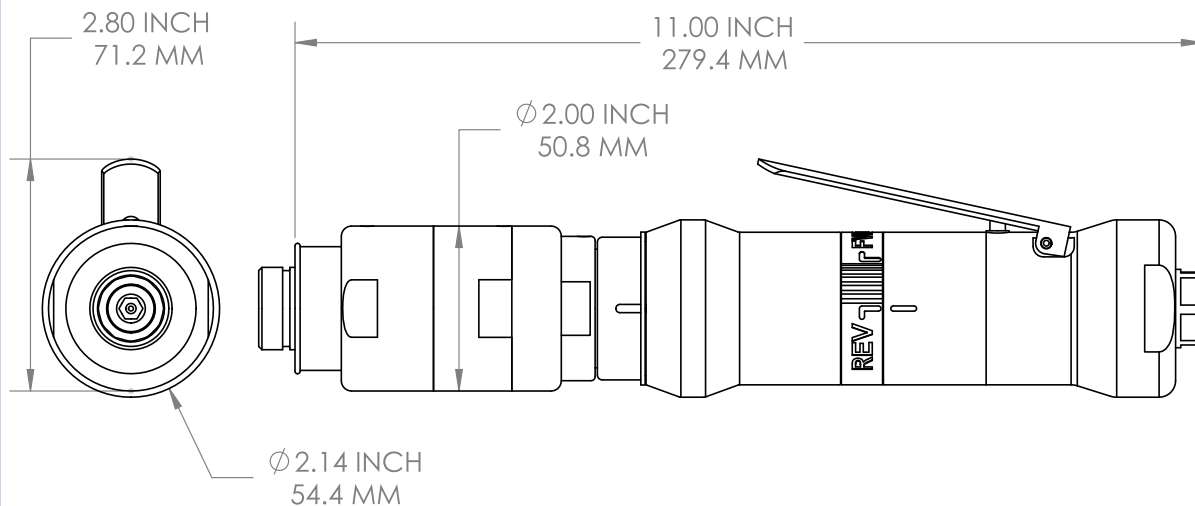
PHONE: I 775 883 1072 FAX: I 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI) **.90 H.P. REVERSIBLE STRAIGHT HANDLE**



CE To conform to EC standards straight motors must be ordered with a safety lever (page 58)
 Add -I to motor order number to designate safety lever.

RPM	DRIVE HEX	ORDER NUMBER	WEIGHT
250	1/4	21544	3.88 LB / 1.76 KG



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JIFFY MODULAR INSTALLATION MOTOR (JMI) .85 H.P. STRAIGHT HANDLE



CE To conform to EC standards straight motors must be ordered with a safety lever (page 58)
 Add -I to motor order number to designate safety lever.

RPM	ORDER NUMBER	WEIGHT
250	18062	1.88 LB / .85 KG
500	17676	1.73 LB / .78 KG

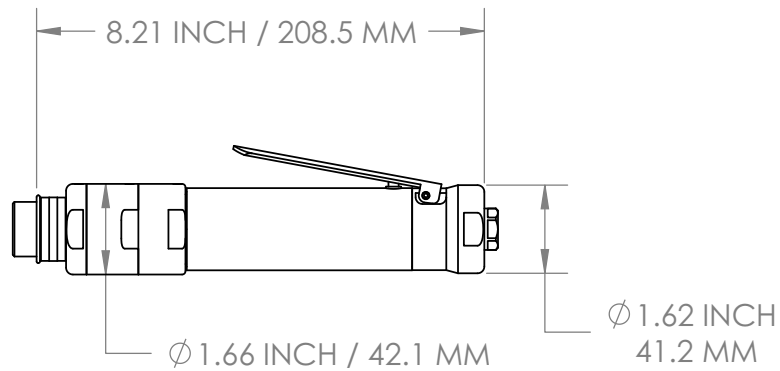
PHONE: I 775 883 1072 FAX: I 775 883 4857

**JIFFY MODULAR INSTALLATION MOTOR (JMI)
.85 H.P. STRAIGHT HANDLE
REVERSE RUNNING**

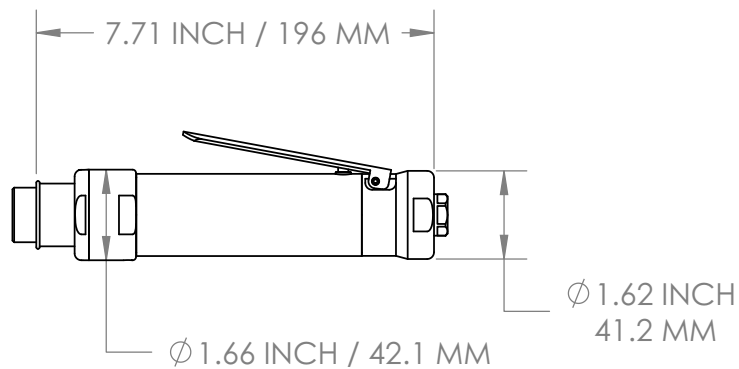


To conform to EC standards straight motors must be ordered with a safety lever (page 60)
Add -I to motor order number to designate safety lever.

RPM	ORDER NUMBER	WEIGHT
250	20016	.65 LB / .30 KG



RPM	ORDER NUMBER	WEIGHT
500	20017	.62 LB / .28 KG



PHONE: 1 775 883 1072 FAX: 1 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI) SD SERIES 0.3 H.P. STRAIGHT HANDLE



CE To conform to EC standards straight motors must be ordered with a safety lever (page 60)
Add -I to motor order number to designate safety lever.

RPM	ORDER NUMBER	WEIGHT
150	16839S	1.65 LB / .75 KG
250	12387S	1.50 LB / .68 KG
500	15421S	1.50 LB / .68 KG

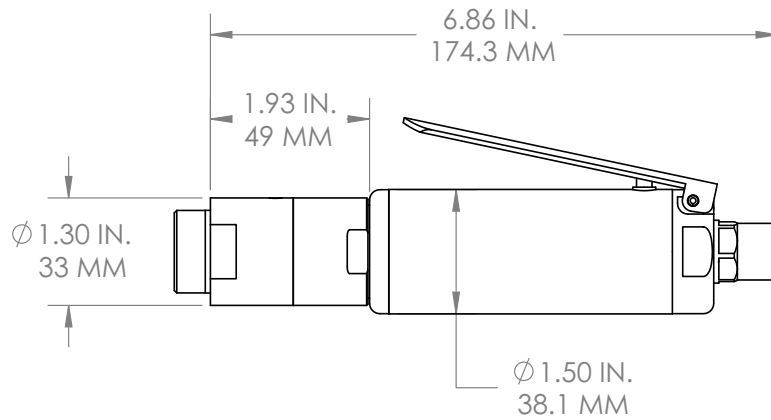
PHONE: I 775 883 1072 FAX: I 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI) SD SERIES 0.3 H.P. STRAIGHT HANDLE REVERSE RUNNING



CE To conform to EC standards straight motors must be ordered with a safety lever (page 60)
 Add -I to motor order number to designate safety lever.

RPM	ORDER NUMBER	WEIGHT
250	20774	1.50 LB / .68 KG
500	20775	1.50 LB / .68 KG



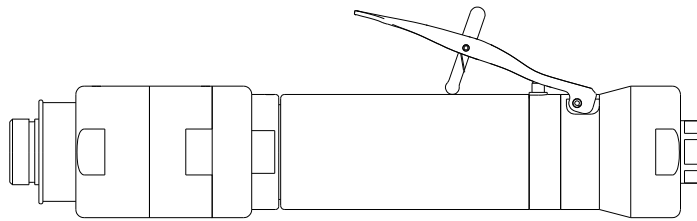
PHONE: 1 775 883 1072 FAX: 1 775 883 4857

JIFFY MODULAR INSTALLATION (JMI)
& RATCHET WRENCH
SAFETY LEVER OPTION

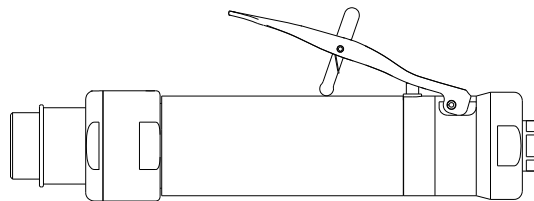


CE To conform to EC standards straight motors must be ordered with a safety lever
Add -I to motor order number to designate safety lever.

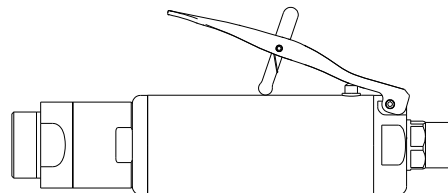
1.5 HORSEPOWER HANDLE *



.85 HORSEPOWER HANDLE *



0.3 HORSEPOWER HANDLE *



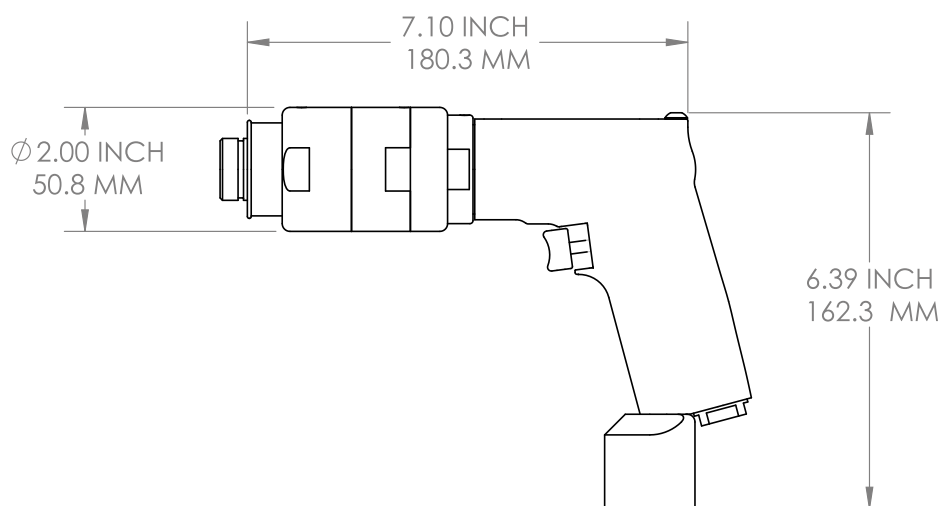
* Safety lever handles are of a different construction than non safety lever handles.
Safety levers cannot be added to standard handles.

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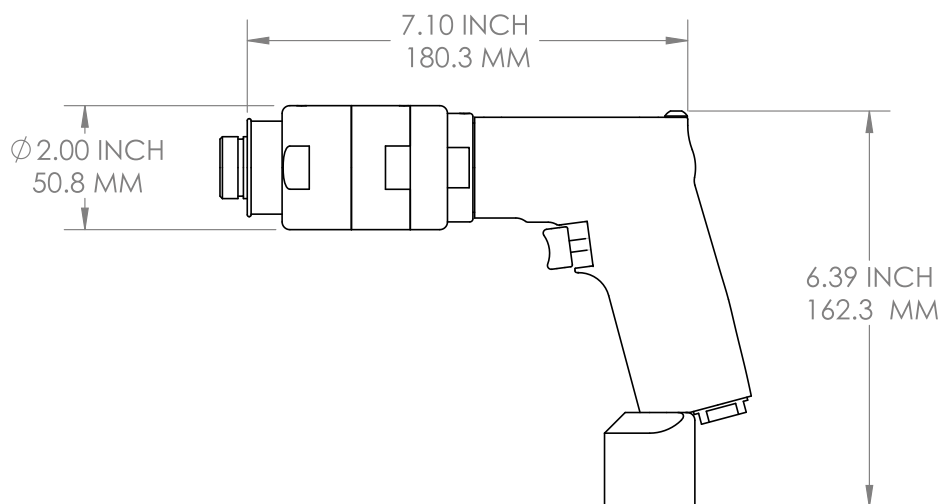


JIFFY MODULAR INSTALLATION MOTOR (JMI) 1.5 H.P., OFFSET HANDLE

RPM	HEX DRIVE SIZE	ORDER NUMBER	WEIGHT
250	1 / 4"	20398	3.73 LB / 1.7 KG
250	3 / 8 "	20399	3.73 LB / 1.7 KG



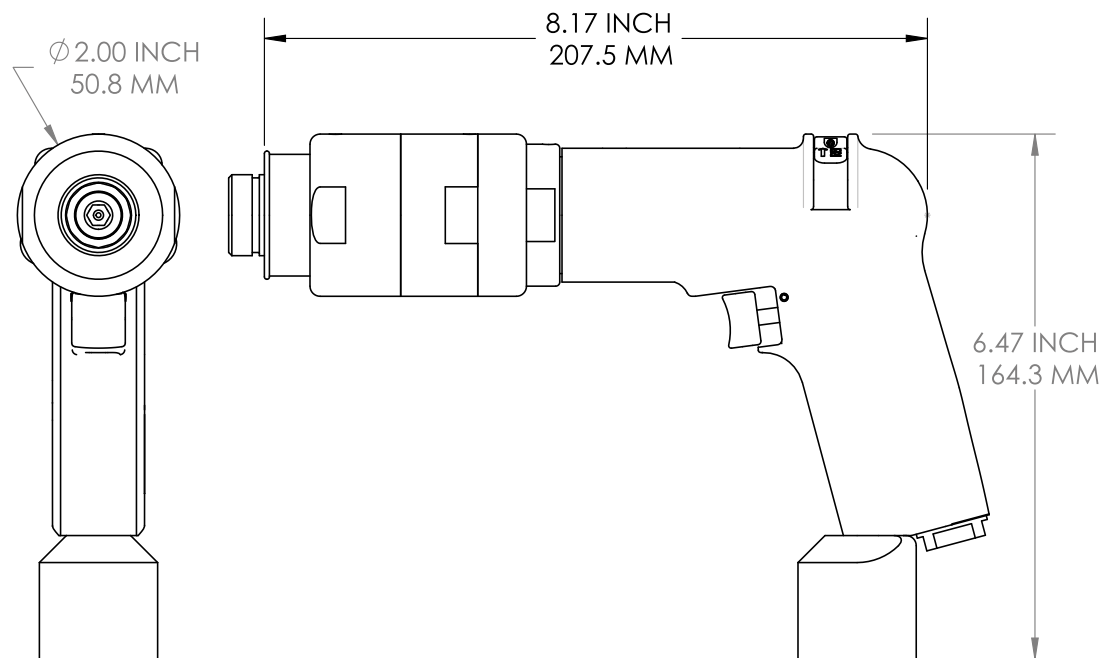
500	1 / 4"	20995	3.73 LB / 1.7 KG
500	3 / 8 "	20997	3.73 LB / 1.7 KG



PHONE: 1 775 883 1072 FAX: 1 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI) .90 H.P. REVERSIBLE OFFSET HANDLE

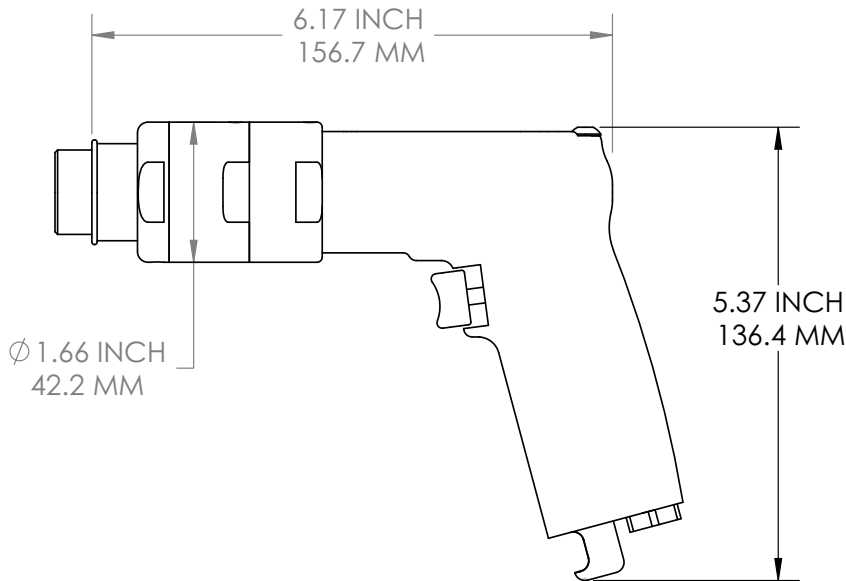
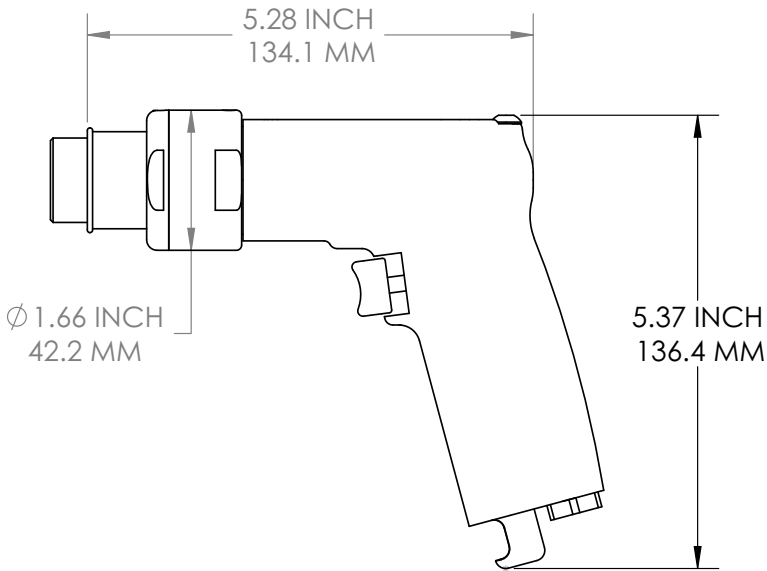
RPM	DRIVE	ORDER NUMBER	WEIGHT
250	1/4 HEX	21546	3.73 LB / 1.7 KG



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JIFFY MODULAR INSTALLATION MOTOR (JMI) .85 H.P., OFFSET HANDLE

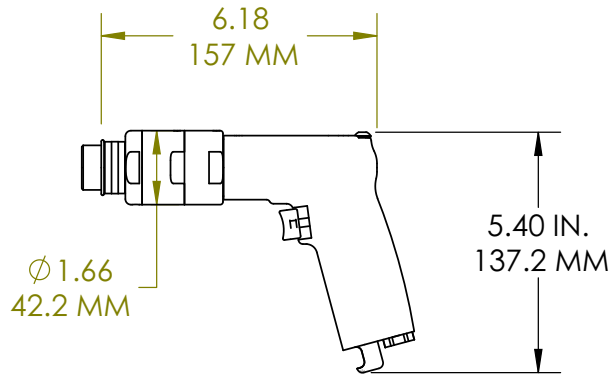
RPM	ORDER NUMBER	WEIGHT
250	18000	2.25 LB / 1.1 KG
		
500	17882	2.15 LB / .97 KG
		

PHONE: 1 775 883 1072 FAX: 1 775 883 4857

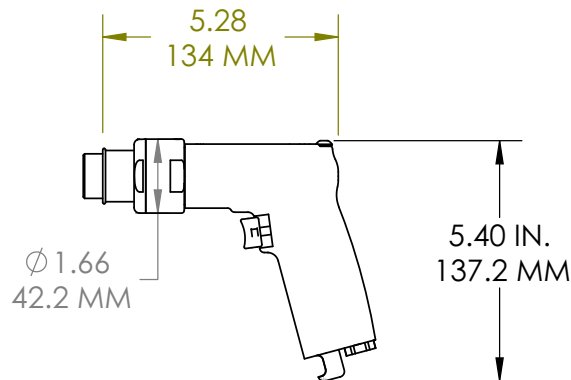
JIFFY MODULAR INSTALLATION (JMI)
.85 H.P., OFFSET HANDLE
REVERSE RUNNING



RPM	ORDER NUMBER	WEIGHT
250	18110	1.84 LB / .83 KG



RPM	ORDER NUMBER	WEIGHT
500	17939	1.64 LB / .74 KG

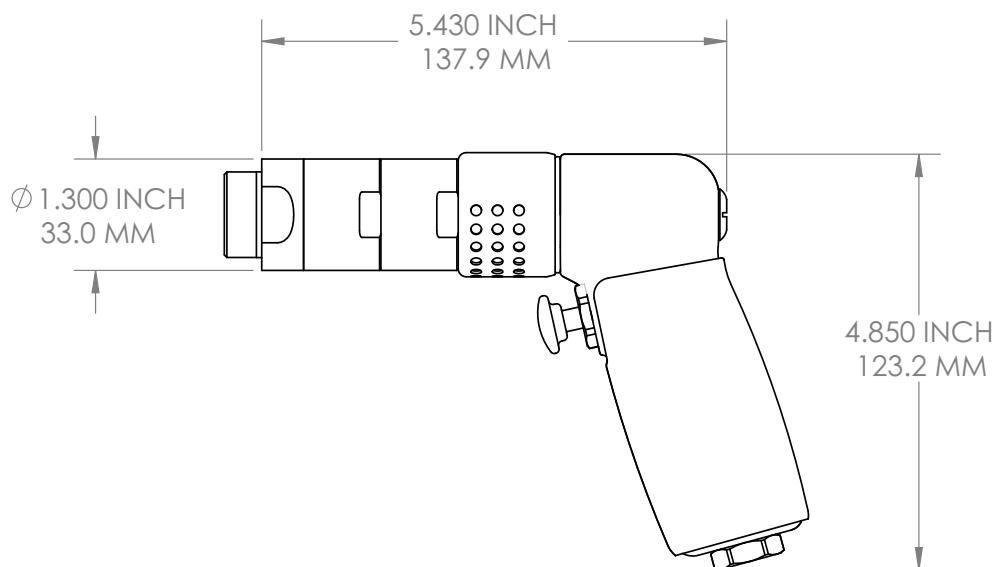


PHONE: 1 775 883 1072 FAX: 1 775 883 4857

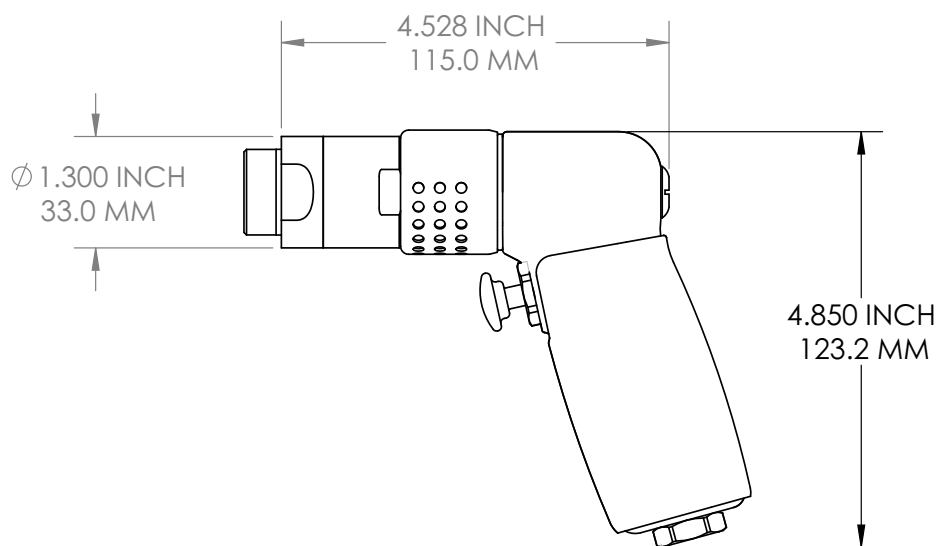


JIFFY MODULAR INSTALLATION MOTOR (JMI) D SERIES, 0.3 H.P., OFFSET HANDLE

RPM	ORDER NUMBER	WEIGHT
150	16839	1.75 LB / .79 KG



250	12387	1.66 LB / .75 KG
500	15421	1.66 LB / .75 KG

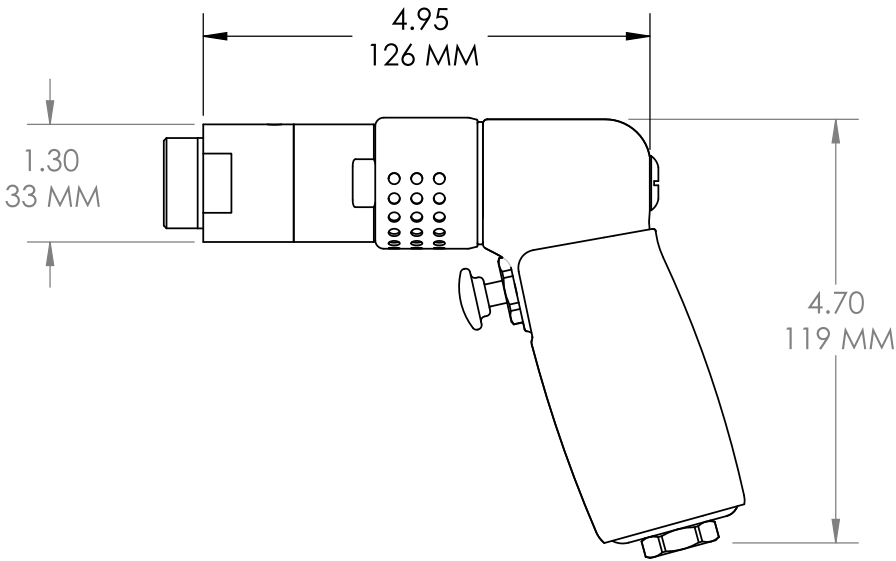


PHONE: 1 775 883 1072 FAX: 1 775 883 4857

JIFFY MODULAR INSTALLATION MOTOR (JMI)
 .3 H.P. OFFSET HANDLE
 REVERSE RUNNING



RPM	ORDER NUMBER	WEIGHT
250	12388	1.66 LB / .75 KG
500	15421K	1.66 LB / .75 KG



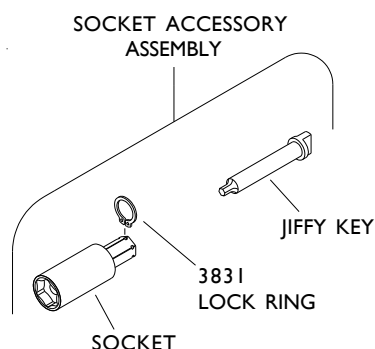
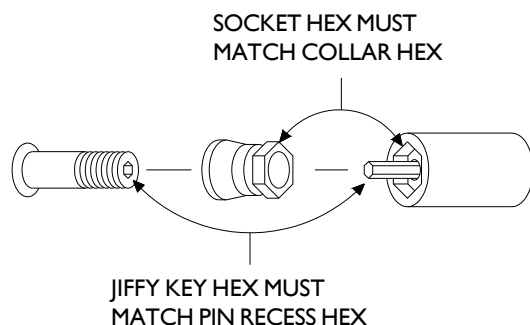
PHONE: | 775 883 1072 FAX: | 775 883 4857

FOR SERIES I ATTACHMENTS



STALL TYPE INSTALLATION

1/16" / 1.59 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

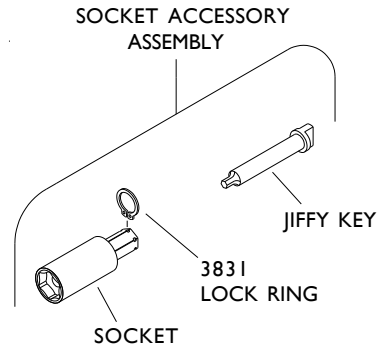
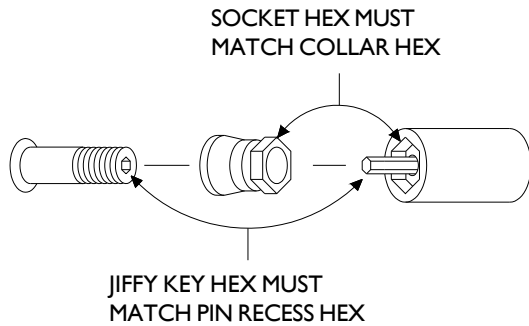
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
1/16" 1.59 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	18522	18523	18524	18525	18526
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY STALL	18597	18598	18599	18600	18601
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	18527	18528	18529	18530	18531
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY STALL	18597	18598	18599	18600	18601
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	18532	18533	18534	18535	18536
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY STALL	18597	18598	18599	18600	18601
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18537	18538	18539	18540	18541
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY STALL	18597	18598	18599	18600	18601
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18542	18543	18544	18545	18546
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY STALL	18597	18598	18599	18600	18601

FOR SERIES I ATTACHMENTS



STALL TYPE INSTALLATION

5/64" / 1.98 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

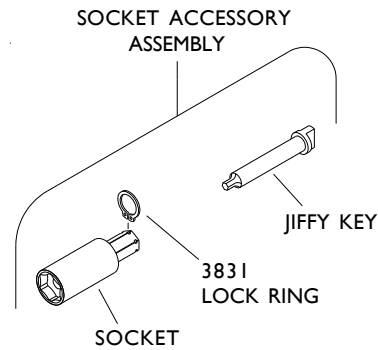
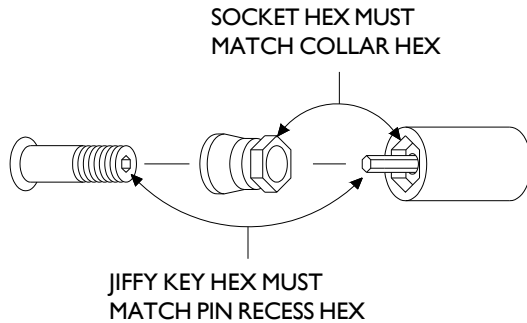
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
5/64" 1.98 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	18547	18548	18549	18550	18551
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY STALL	18602	18603	18604	18605	18606
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	18552	18553	18554	18555	18556
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY STALL	18602	18603	18604	18605	18606
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	18557	18558	18559	18560	18561
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY STALL	18602	18603	18604	18605	18606
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18562	18563	18564	18565	18566
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY STALL	18602	18603	18604	18605	18606
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18567	18568	18569	18570	18571
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY STALL	18602	18603	18604	18605	18606

FOR SERIES I ATTACHMENTS



STALL TYPE INSTALLATION

3/32" / 2.38 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

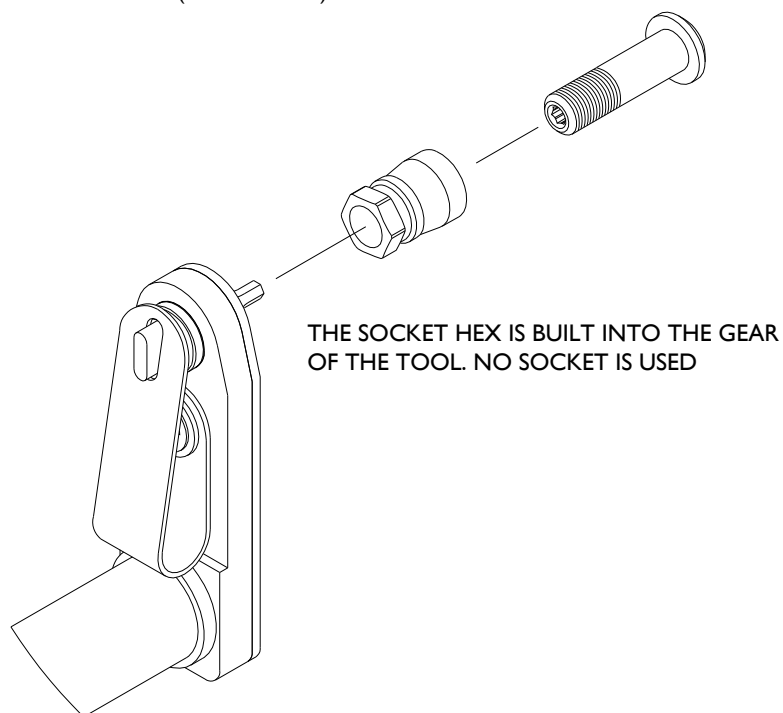
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
3/32" 2.38 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	18572	18573	18574	18575	18576
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY STALL	18607	18608	18609	18610	18611
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	18577	18578	18579	18580	18581
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY STALL	18607	18608	18609	18610	18611
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	18582	18583	18584	18585	18586
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY STALL	18607	18608	18609	18610	18611
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18587	18588	18589	18590	18591
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY STALL	18607	18608	18609	18610	18611
	1 1/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18592	18593	18594	18595	18596
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY STALL	18607	18608	18609	18610	18611

FOR SERIES I ATTACHMENTS

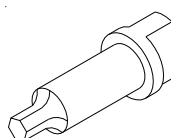


FLUSH STALL TYPE INSTALLATION

WRENCH KEY HEX CHART FOR
BREAK-AWAY FRANGIBLE COLLARS
FLUSH (NO SOCKET)



FLUSH JIFFY KEY



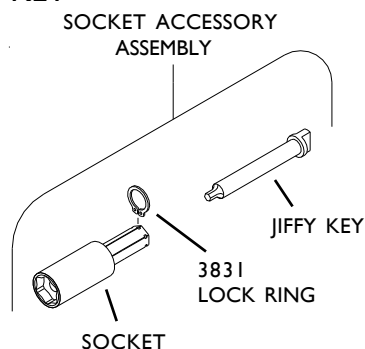
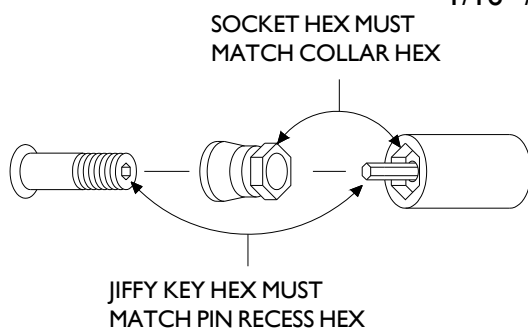
FLUSH JIFFY KEYS			
KEY HEX	1/16" / 1.59 mm	5/64" / 1.98 mm	3/32" / 2.38 mm
PART NUMBER	I8932	I8933	I8934

FITS SERIES 2 & 3 ATTACHMENTS



STALL TYPE INSTALLATION

1/16" / 1.59 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

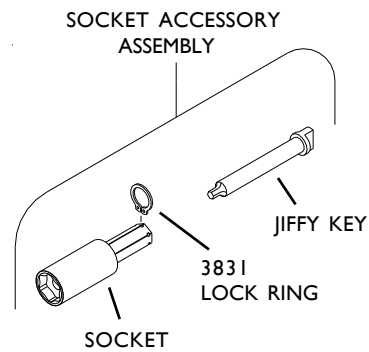
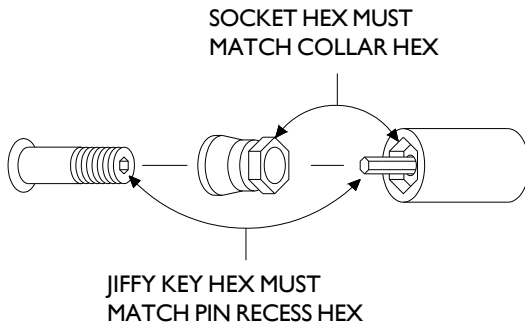
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/16 1.59 mm	7/32 5.56 mm	SOCKET ACCESSORY ASSEMBLY	18159	18160	18161	18162	18163	18164	18165
		SOCKET	12679	12680	12681	12682	12683	12684	12685
		JIFFY KEY STALL	18127	18128	18129	18130	18131	18132	18133
	1/4 6.35 mm	SOCKET ACCESSORY ASSEMBLY	18166	18167	18168	18169	18170	18171	18172
		SOCKET	12686	12687	14446	12688	12689	12690	12691
		JIFFY KEY STALL	18127	18128	18129	18130	18131	18132	18133
	9/32 7.14 mm	SOCKET ACCESSORY ASSEMBLY	18173	18174	18175	18176	18177	18178	18179
		SOCKET	12692	12693	12694	12695	12696	12697	12698
		JIFFY KEY STALL	18127	18128	18129	18130	18131	18132	18133
	5/16 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18180	18181	18182	18183	18184	18185	18186
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY STALL	18127	18128	18129	18130	18131	18132	18133
	1 1/32 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18187	18188	18189	18190	18191	18192	18193
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY STALL	18127	18128	18129	18130	18131	18132	18133

FITS SERIES 2 & 3 ATTACHMENTS



STALL TYPE INSTALLATION

5/64" / 1.98 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

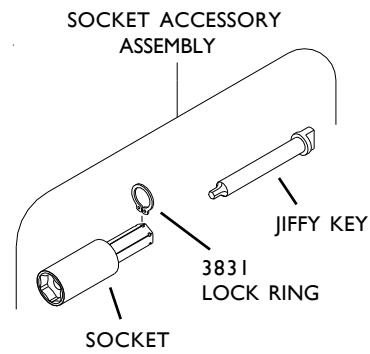
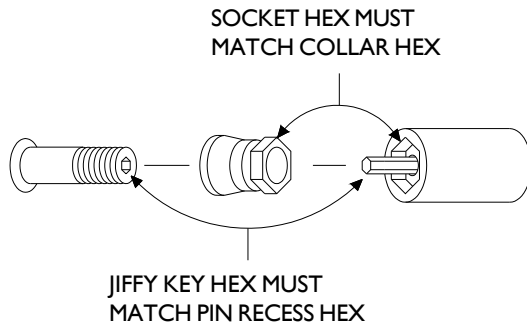
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
5/64" 1.98 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	18194	18195	18196	18197	18198	18199	18200
		SOCKET	12679	12680	12681	12682	12683	12684	12685
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	18201	18202	18203	18204	18205	18206	18207
		SOCKET	12686	12687	14446	12688	12689	12690	12691
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	18208	18209	18210	18211	18212	18213	18214
		SOCKET	12692	12693	12694	12695	12696	12697	12698
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18215	18216	18217	18218	18219	18220	18221
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140
	1 1/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18222	18223	18224	18225	18226	18227	18228
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	18229	18230	18231	18232	18233	18234	18235
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY STALL	18134	18135	18136	18137	18138	18139	18140

FITS SERIES 2 & 3 ATTACHMENTS



STALL TYPE INSTALLATION

3/32" / 2.38 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

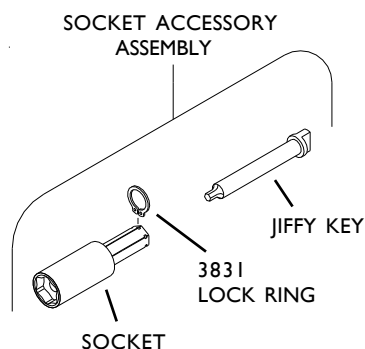
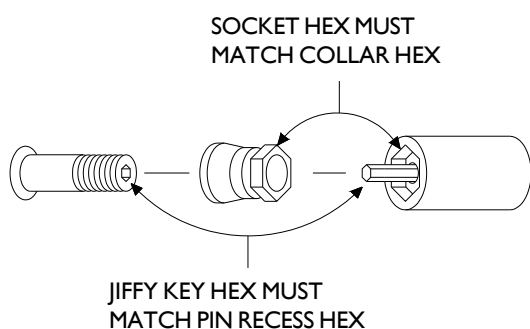
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/32" 2.38 mm	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	18236	18237	18238	18239	18240	18241	18242
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY STALL	18141	18142	18143	18144	18145	18146	18147
	1 1/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	18243	18244	18245	18246	18247	18248	18249
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY STALL	18141	18142	18143	18144	18145	18146	18147
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	18250	18251	18252	18253	18254	18255	18256
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY STALL	18141	18142	18143	18144	18145	18146	18147
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	18257	18258	18259	18260	18261	18262	18263
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY STALL	18141	18142	18143	18144	18145	18146	18147
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	18759	18760	18761	18762	18763	18764	18765
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY STALL	18141	18142	18143	18144	18145	18146	18147

FITS SERIES 2 & 3 ATTACHMENTS

STALL TYPE INSTALLATION

1/8" / 3.17 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

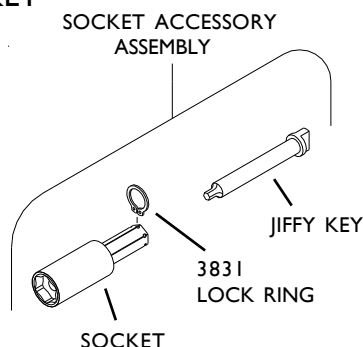
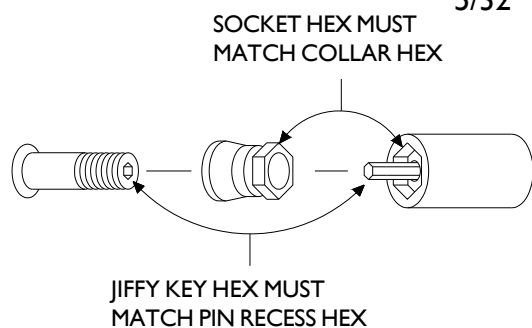
WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/8" 3.17 mm	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	18264	18265	18266	18267	18268	18269	18270
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY STALL	18148	18149	18150	18151	18152	18153	18154
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	18271	18272	18273	18274	18275	18276	18277
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY STALL	18148	18149	18150	18151	18152	18153	18154
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	18471	18472	18473	18474	18475	18476	18477
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY STALL	18148	18149	18150	18151	18152	18153	18154
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	18478	18479	18480	18481	18482	18483	18484
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY STALL	18148	18149	18150	18151	18152	18153	18154

FITS SERIES 2 & 3 ATTACHMENTS



STALL TYPE INSTALLATION

5/32" / 3.97 mm JIFFY KEY



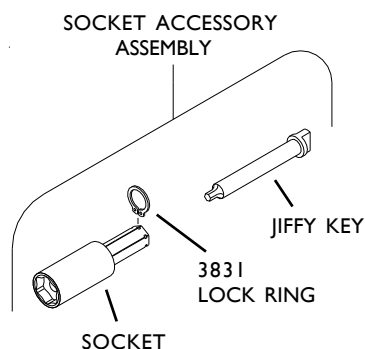
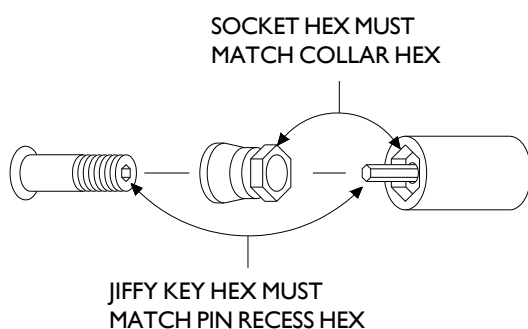
FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
5/32" 3.97 mm	3/8 9.52 mm	SOCKET ACCESSORY ASSEMBLY	20138	20139	20140	20141	20142	20143	20144
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	7/16 11.11 mm	SOCKET ACCESSORY ASSEMBLY	18766	18767	18768	18769	18770	18771	18772
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	1/2 12.7 mm	SOCKET ACCESSORY ASSEMBLY	18773	18774	18775	18776	18777	18778	18779
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	9/16 14.29	SOCKET ACCESSORY ASSEMBLY	18780	18781	18782	18783	18784	18785	18786
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	5/8 15.87 mm	SOCKET ACCESSORY ASSEMBLY	18787	18788	18789	18790	18791	18792	18793
		SOCKET	18710	18711	18712	18713	18714	18715	18716
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	1 1/16 17.46 mm	SOCKET ACCESSORY ASSEMBLY	18794	18795	18796	18797	18798	18799	18800
		SOCKET	18717	18718	18719	18720	18721	18722	18723
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744
	3/4 19.05 mm	SOCKET ACCESSORY ASSEMBLY	18801	18802	18803	18804	18805	18806	18807
		SOCKET	18724	18725	18726	18727	18728	18729	18730
		JIFFY KEY STALL	18738	18739	18740	18741	18742	18743	18744

FITS SERIES 2 & 3 ATTACHMENTS

STALL TYPE INSTALLATION 3/16" / 4.76 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/16" 4.76 mm	1/2 12.7 mm	SOCKET ACCESSORY ASSEMBLY	18808	18809	18810	18811	18812	18813	18814
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY STALL	18731	18732	18733	18734	18735	18736	18737
	9/16 14.29 mm	SOCKET ACCESSORY ASSEMBLY	18815	18816	18817	18818	18819	18820	18821
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY STALL	18731	18732	18733	18734	18735	18736	18737
	5/8 15.87 mm	SOCKET ACCESSORY ASSEMBLY	18822	18823	18824	18825	18826	18827	18828
		SOCKET	18710	18711	18712	18713	18714	18715	18716
		JIFFY KEY STALL	18731	18732	18733	18734	18735	18736	18737
	1 1/16 17.46 mm	SOCKET ACCESSORY ASSEMBLY	18829	18830	18831	18832	18833	18834	18835
		SOCKET	18717	18718	18719	18720	18721	18722	18723
		JIFFY KEY STALL	18731	18732	18733	18734	18735	18736	18737
	3/4 19.05 mm	SOCKET ACCESSORY ASSEMBLY	18836	18837	18838	18839	18840	18841	18842
		SOCKET	18724	18725	18726	18727	18728	18729	18730
		JIFFY KEY STALL	18731	18732	18733	18734	18735	18736	18737

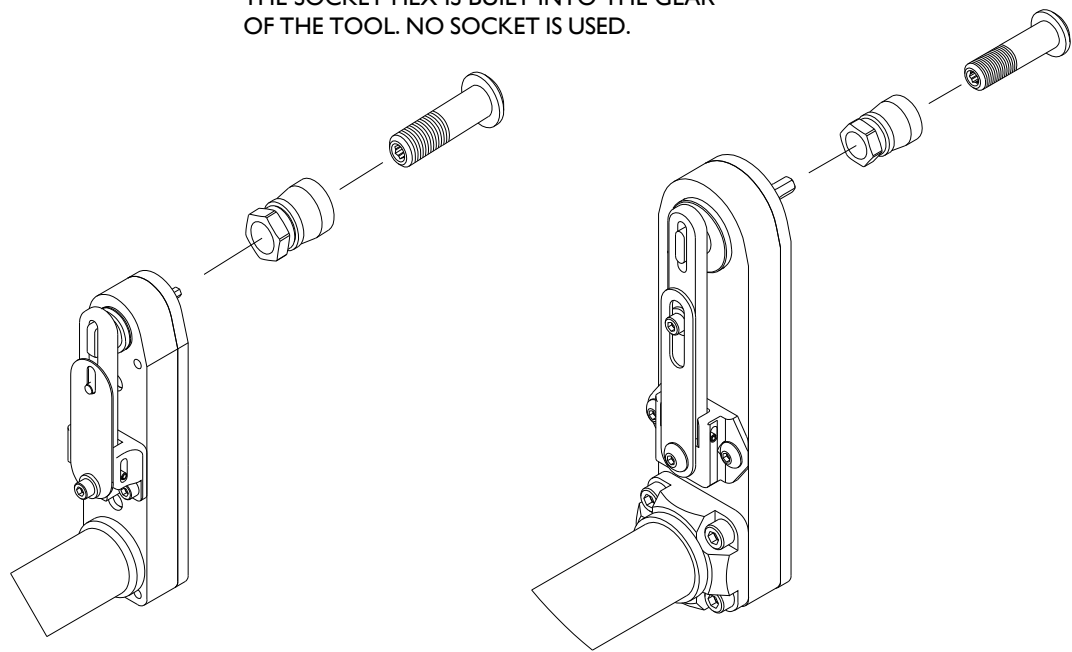
FITS SERIES 2 & 3 ATTACHMENTS



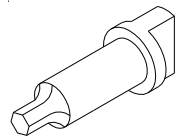
STALL FLUSH TYPE INSTALLATION

WRENCH KEY HEX CHART FOR
BREAK-AWAY FRANGIBLE COLLARS
FLUSH (NO SOCKET)

THE SOCKET HEX IS BUILT INTO THE GEAR
OF THE TOOL. NO SOCKET IS USED.



FLUSH JIFFY KEY

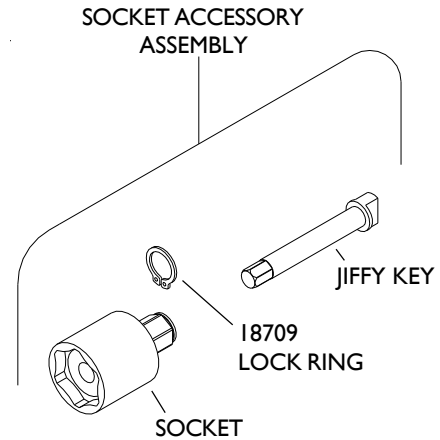
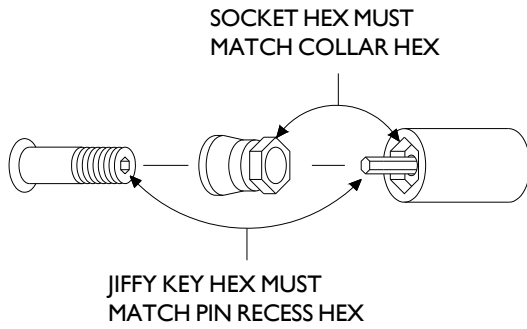


SERIES 2 AND 3 FLUSH STALL TYPE						
PIN HEX	1/16" / 1.59 mm	5/64" / 1.98 mm	3/32" / 2.38 mm	1/8" / 3.17 mm	5/32" / 3.97 mm	3/16" / 4.76 mm
JIFFY KEY STALL	I8155	I8156	I8157	I8158	I8935	I8936

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION 3/32" / 2.38 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

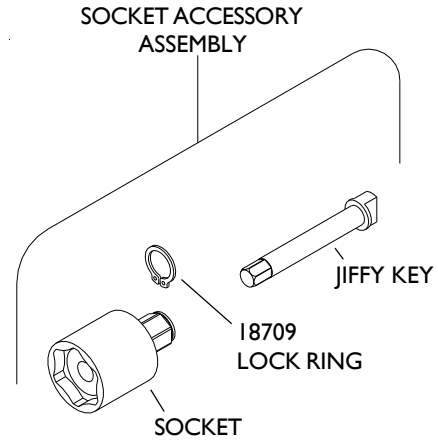
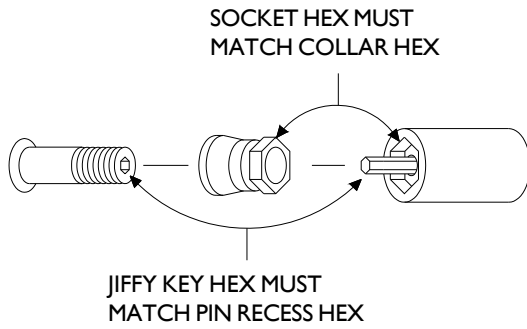
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/32" 2.38 mm	5/16 7.93 mm	SOCKET ACCESSORY ASSEMBLY	19105	19106	19107	19108	19109	19110
		SOCKET	19031	19032	19033	19034	19035	19036
		JIFFY KEY STALL	18995	18996	18997	18998	18999	19000
	11/32 8.73 mm	SOCKET ACCESSORY ASSEMBLY	19111	19112	19113	19114	19115	19116
		SOCKET	19037	19038	19039	19040	19041	19042
		JIFFY KEY STALL	18995	18996	18997	18998	18999	19000
	3/8 9.52 mm	SOCKET ACCESSORY ASSEMBLY	19117	19118	19119	19120	19121	19122
		SOCKET	19043	19044	19045	19046	19047	19048
		JIFFY KEY STALL	18995	18996	18997	18998	18999	19000
	7/16 11.11 mm	SOCKET ACCESSORY ASSEMBLY	19123	19124	19125	19126	19127	19128
		SOCKET	19049	19050	19051	19052	19053	19054
		JIFFY KEY STALL	18995	18996	18997	18998	18999	19000
	1/2 12.7 mm	SOCKET ACCESSORY ASSEMBLY	19129	19130	19131	19132	19133	19134
		SOCKET	19055	19056	19057	19058	19059	19060
		JIFFY KEY STALL	18995	18996	18997	18998	18999	19000

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION

1/8" / 3.17 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

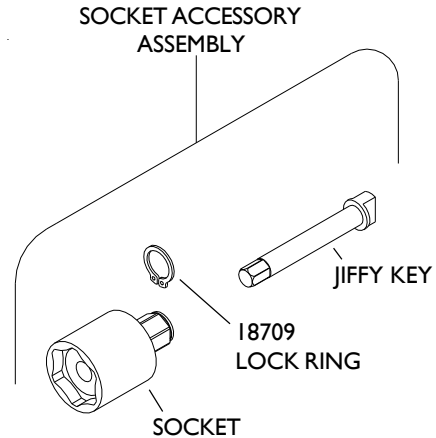
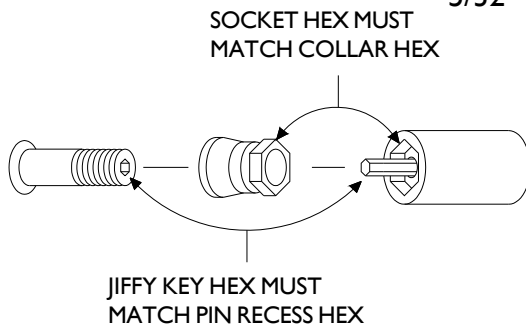
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/8" 3.17 mm	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	19135	19136	19137	19138	19139	19140
		SOCKET	19043	19044	19045	19046	19047	19048
		JIFFY KEY STALL	19001	19002	19003	19004	19005	19006
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	19141	19142	19143	19144	19145	19146
		SOCKET	19049	19050	19051	19052	19053	19054
		JIFFY KEY STALL	19001	19002	19003	19004	19005	19006
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	19147	19148	19149	19150	19151	19152
		SOCKET	19055	19056	19057	19058	19059	19060
		JIFFY KEY STALL	19001	19002	19003	19004	19005	19006
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	19153	19154	19155	19156	19157	19158
		SOCKET	19061	19062	19063	19064	19065	19066
		JIFFY KEY STALL	19001	19002	19003	19004	19005	19006
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	19159	19160	19161	19162	19163	19164
		SOCKET	19067	19068	19069	19070	19071	19072
		JIFFY KEY STALL	19001	19002	19003	19004	19005	19006

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION 5/32" / 3.97 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

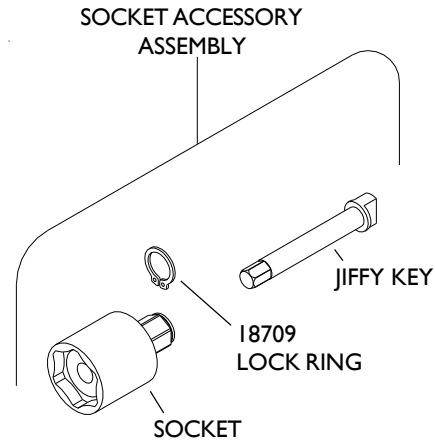
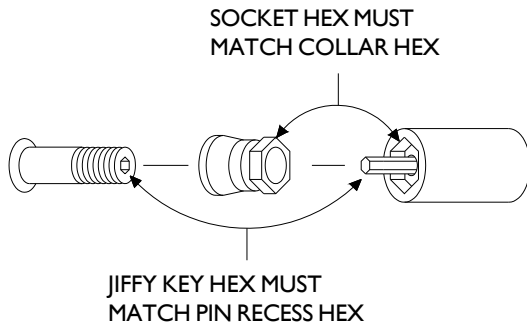
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
5/32" 3.97 mm	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	19165	19166	19167	19168	19169	19170
		SOCKET	19049	19050	19051	19052	19053	19054
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	19171	19172	19173	19174	19175	19176
		SOCKET	19055	19056	19057	19058	19059	19060
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	19177	19178	19179	19180	19181	19182
		SOCKET	19061	19062	19063	19064	19065	19066
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	19183	19184	19185	19186	19187	19188
		SOCKET	19067	19068	19069	19070	19071	19072
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	19189	19190	19191	19192	19193	19194
		SOCKET	19073	19074	19075	19076	19077	19078
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	19195	19196	19197	19198	19199	19200
		SOCKET	19079	19080	19081	19082	19083	19084
		JIFFY KEY STALL	19007	19008	19009	19010	19011	19012

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION 3/16" / 4.76 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

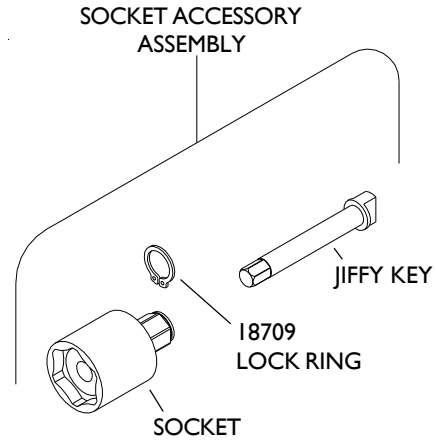
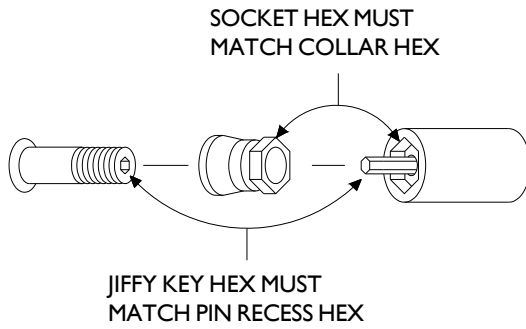
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/16" 4.76 mm	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	19201	19202	19203	19204	19205	19206
		SOCKET	19055	19056	19057	19058	19059	19060
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	19207	19208	19209	19210	19211	19212
		SOCKET	19061	19062	19063	19064	19065	19066
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	19213	19214	19215	19216	19217	19218
		SOCKET	19067	19068	19069	19070	19071	19072
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	19219	19220	19221	19222	19223	19224
		SOCKET	19073	19074	19075	19076	19077	19078
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	19225	19226	19227	19228	19229	19230
		SOCKET	19079	19080	19081	19082	19083	19084
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018
	1 3/16" 20.64 mm	SOCKET ACCESSORY ASSEMBLY	19231	19232	19233	19234	19235	19236
		SOCKET	19085	19086	19087	19088	19089	19090
		JIFFY KEY STALL	19013	19014	19015	19016	19017	19018

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION 7/32 / 5.56 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

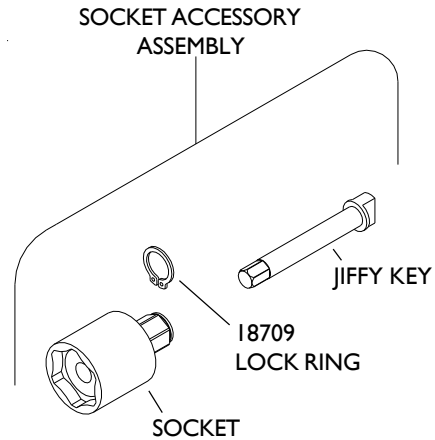
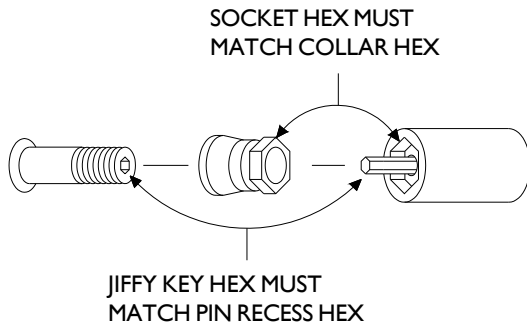
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
7/32" 5.56 mm	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	19237	19238	19239	19240	19241	19242
		SOCKET	19061	19062	19063	19064	19065	19066
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	19243	19244	19245	19246	19247	19248
		SOCKET	19067	19068	19069	19070	19071	19072
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	19249	19250	19251	19252	19253	19254
		SOCKET	19073	19074	19075	19076	19077	19078
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	19255	19256	19257	19258	19259	19260
		SOCKET	19079	19080	19081	19082	19083	19084
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024
	1 3/16" 20.64 mm	SOCKET ACCESSORY ASSEMBLY	19261	19262	19263	19264	19265	19266
		SOCKET	19085	19086	19087	19088	19089	19090
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024
	7/8" 22.22 mm	SOCKET ACCESSORY ASSEMBLY	19267	19268	19269	19270	19271	19272
		SOCKET	19091	19092	19093	19094	19095	19096
		JIFFY KEY STALL	19019	19020	19021	19022	19023	19024

FITS SERIES 4 ATTACHMENTS



STALL TYPE INSTALLATION 1/4" / 6.35 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

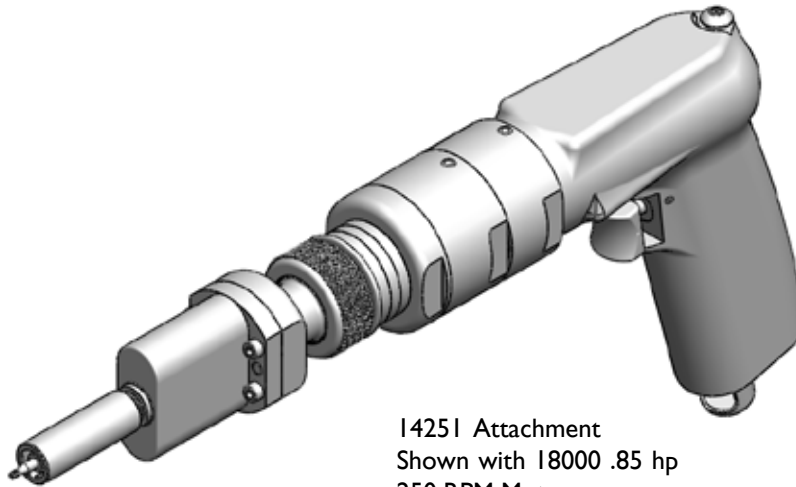
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/4" 6.35 mm	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	19273	19274	19275	19276	19277	19278
		SOCKET	19067	19068	19069	19070	19071	19072
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	19279	19280	19281	19282	19283	19284
		SOCKET	19073	19074	19075	19076	19077	19078
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	19285	19286	19287	19288	19289	19290
		SOCKET	19079	19080	19081	19082	19083	19084
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030
	1 3/16" 20.64 mm	SOCKET ACCESSORY ASSEMBLY	19291	19292	19293	19294	19295	19296
		SOCKET	19085	19086	19087	19088	19089	19090
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030
	7/8" 22.22 mm	SOCKET ACCESSORY ASSEMBLY	19297	19298	19299	19300	19301	19302
		SOCKET	19091	19092	19093	19094	19095	19096
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030
	1 5/16" 23.81 mm	SOCKET ACCESSORY ASSEMBLY	19303	19304	19305	19306	19307	19308
		SOCKET	19097	19098	19099	19100	19101	19102
		JIFFY KEY STALL	19025	19026	19027	19028	19029	19030

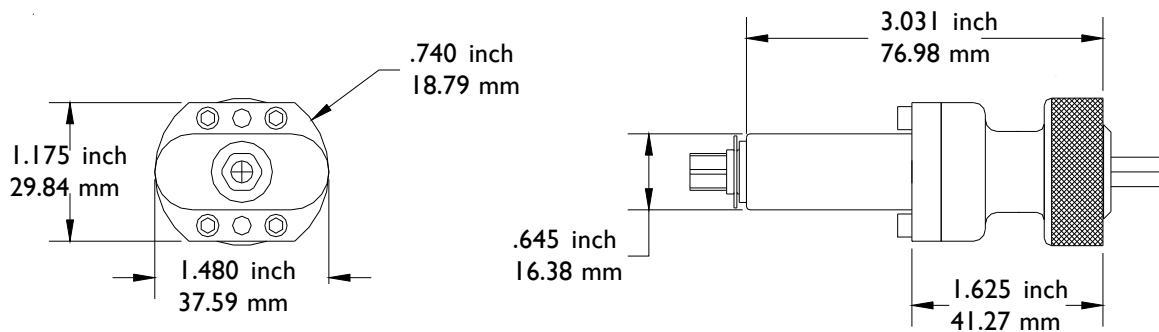
STRAIGHT INSTALL SERIES 2

160 Inch Lbs / 18.0 Nm

14251 straight install attachment

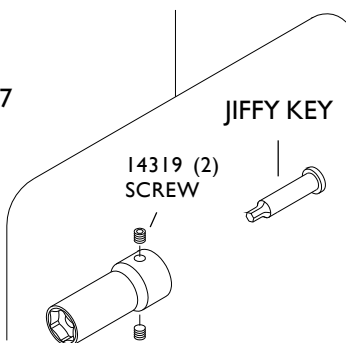


14251 Attachment
Shown with 18000 .85 hp
250 RPM Motor



SOCKET ACCESSORY ASSEMBLY

Series 2 Straight Install
Socket Accessories begin on page 87

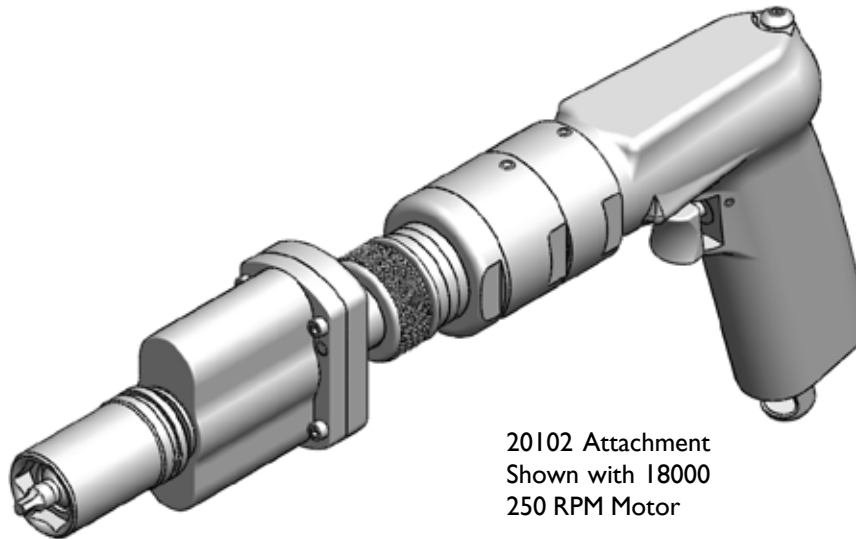


PHONE: 775 883 1072 FAX: 775 883 4857

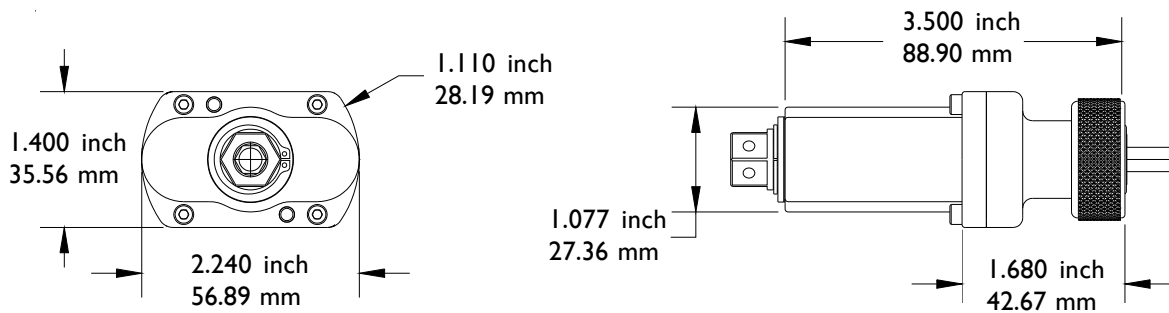
STRAIGHT INSTALL SERIES 3

350 Inch Lbs / 39.54 Nm

20102 straight install attachment



20102 Attachment
Shown with 18000
250 RPM Motor



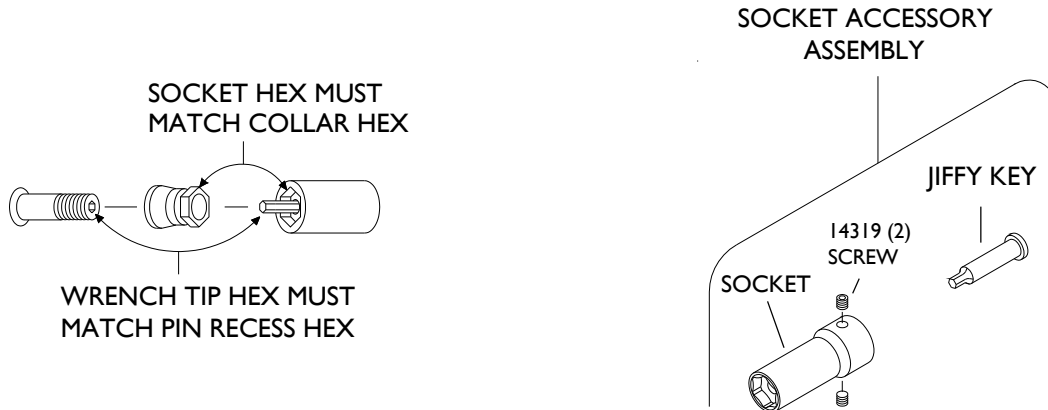
Series 3 Straight Install
Socket Accessories begin on page 91

PHONE: 775 883 1072 FAX: 775 883 4857

FITS SERIES 2 STRAIGHT INSTALLATION

STALL TYPE INSTALLATION

1/16" / 1.59 mm JIFFY KEY



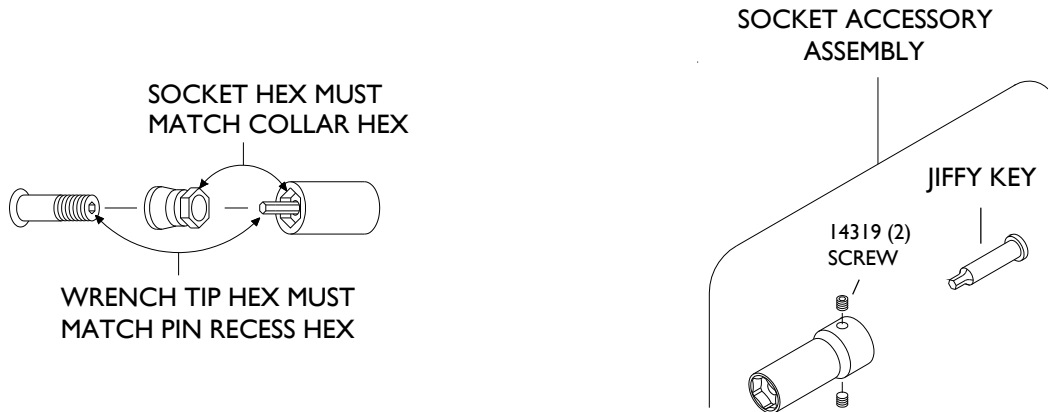
FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER

WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 1/2"	3 "
1/16" 1.59 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	14258	14290
		SOCKET JIFFY KEY STALL	14274 14288	14280 14289
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	14291	14292
		SOCKET JIFFY KEY STALL	14275 14288	14281 14289
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	14293	14294
		SOCKET JIFFY KEY STALL	14276 14288	14282 14289
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	14295	14296
		SOCKET JIFFY KEY STALL	14217 14288	14283 14289
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	14297	14298
		SOCKET JIFFY KEY STALL	14277 14288	14284 14289

FITS SERIES 2 STRAIGHT INSTALLATION

STALL TYPE INSTALLATION

5/64" / 1.98 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER

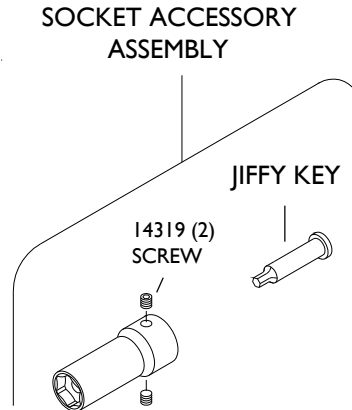
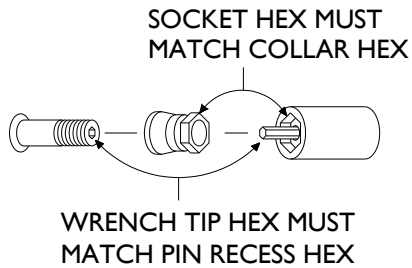
LENGTH OF SOCKET

WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	1 1/2"	3 "
5/64" 1.98 mm	7/32" 5.56 mm	SOCKET ACCESSORY ASSEMBLY	14259	14301
		SOCKET JIFFY KEY STALL	14274 14299	14280 14300
	1/4" 6.35 mm	SOCKET ACCESSORY ASSEMBLY	14260	14302
		SOCKET JIFFY KEY STALL	14275 14299	14281 14300
	9/32" 7.14 mm	SOCKET ACCESSORY ASSEMBLY	14303	14304
		SOCKET JIFFY KEY STALL	14276 14299	14282 14300
	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	14263	14305
		SOCKET JIFFY KEY STALL	14217 14299	14283 14300
	1 1/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	14306	14307
		SOCKET JIFFY KEY STALL	14277 14299	14284 14300
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	14308	14309
		SOCKET JIFFY KEY STALL	14278 14299	14285 14300

FITS SERIES 2 STRAIGHT INSTALLATION

STALL TYPE INSTALLATION

3/32" / 2.38 mm JIFFY KEY



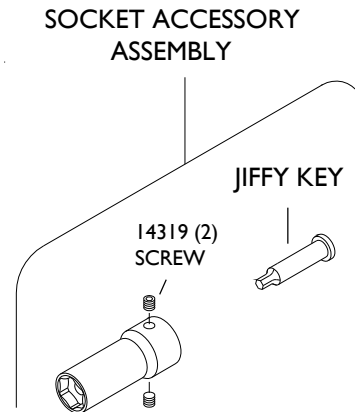
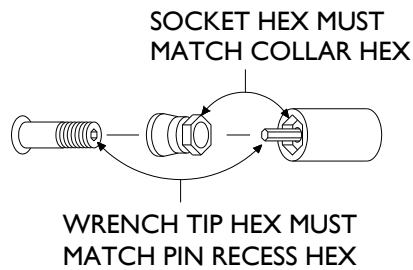
FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER

WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 1/2"	3"
3/32" 2.38 mm	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	14261	14312
		SOCKET JIFFY KEY STALL	14217 14310	14283 14311
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	14313	14314
		SOCKET JIFFY KEY STALL	14277 14310	14284 14311
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	14315	14316
		SOCKET JIFFY KEY STALL	14278 14310	14285 14311
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	14317	14318
		SOCKET JIFFY KEY STALL	14279 14310	14286 14311

FITS SERIES 2 STRAIGHT INSTALLATION

STALL TYPE INSTALLATION

1/8" / 3.17 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER

LENGTH OF SOCKET

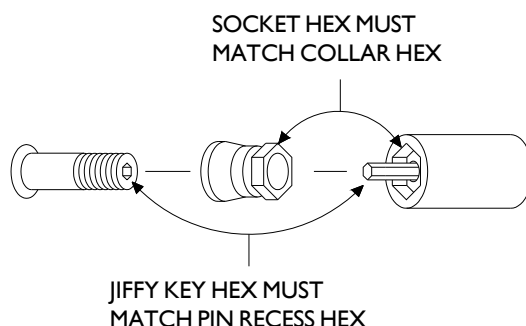
WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	1 1/2"	3"
1/8" 3.17 mm	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	15996	15997
		SOCKET JIFFY KEY STALL	14278 16016	14285 16017
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	15998	15999
		SOCKET JIFFY KEY STALL	14279 16016	14286 16017
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	16000	16001
		SOCKET JIFFY KEY STALL	16012 16016	16013 16017
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	16002	16003
		SOCKET JIFFY KEY STALL	16014 16016	16015 16017

FITS SERIES 3 STRAIGHT ATTACHMENTS



STALL TYPE INSTALLATION

1/16" / 1.59 mm & 5/64" / 1.98 mm JIFFY KEYS



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
1/16" 1.59 mm	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	20165	20166
		SOCKET	20229	20230
		JIFFY KEY STALL	20247	20248
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	20167	20168
		SOCKET	20231	20232
		JIFFY KEY STALL	20247	20248

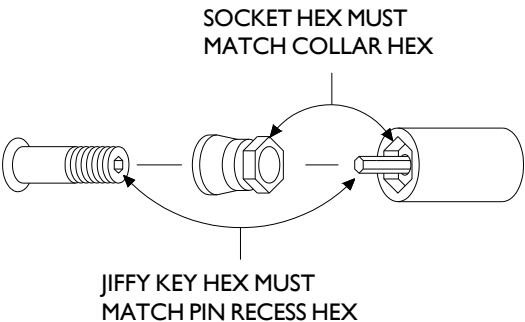
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
5/64" 1.98 mm	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	20175	20176
		SOCKET	20229	20230
		JIFFY KEY STALL	20249	20250
	11/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	20177	20178
		SOCKET	20231	20232
		JIFFY KEY STALL	20249	20250
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	20179	20180
		SOCKET	20233	20234
		JIFFY KEY STALL	20249	20250

FITS SERIES 3 STRAIGHT ATTACHMENTS



STALL TYPE INSTALLATION 3/32" / 2.38 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

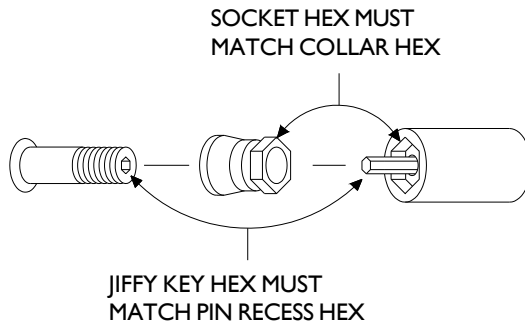
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
3/32" 2.38 mm	5/16" 7.93 mm	SOCKET ACCESSORY ASSEMBLY	20181	20182
		SOCKET	20229	20230
		JIFFY KEY STALL	20251	20252
	1 1/32" 8.73 mm	SOCKET ACCESSORY ASSEMBLY	20183	20184
		SOCKET	20231	20232
		JIFFY KEY STALL	20251	20252
	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	20185	20186
		SOCKET	20233	20234
		JIFFY KEY STALL	20251	20252
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	20187	20188
		SOCKET	20235	20236
		JIFFY KEY STALL	20251	20252
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	20189	20190
		SOCKET	20237	20238
		JIFFY KEY STALL	20251	20252

FITS SERIES 3 STRAIGHT ATTACHMENTS

STALL TYPE INSTALLATION

1/8" / 3.17 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

WRENCH TIP HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
1/8" 3.17 mm	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	20191	20192
		SOCKET	20233	20234
		JIFFY KEY STALL	20253	20254
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	20193	20194
		SOCKET	20235	20236
		JIFFY KEY STALL	20253	20254
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	20195	20196
		SOCKET	20237	20238
		JIFFY KEY STALL	20253	20254
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	20197	20198
		SOCKET	20239	20240
		JIFFY KEY STALL	20253	20254

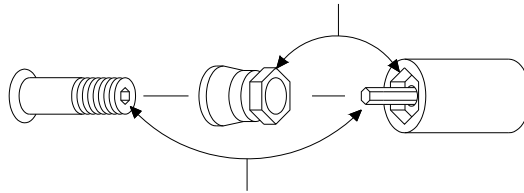
FITS SERIES 3 STRAIGHT ATTACHMENTS



STALL TYPE INSTALLATION

5/32" / 3.97 mm JIFFY KEY

SOCKET HEX MUST
MATCH COLLAR HEX



JIFFY KEY HEX MUST
MATCH PIN RECESS HEX

FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

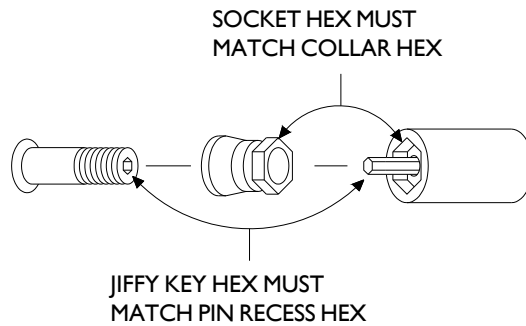
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
5/32" 3.97 mm	3/8" 9.52 mm	SOCKET ACCESSORY ASSEMBLY	20199	20200
		SOCKET	20233	20234
		JIFFY KEY STALL	20255	20256
	7/16" 11.11 mm	SOCKET ACCESSORY ASSEMBLY	20201	20202
		SOCKET	20235	20236
		JIFFY KEY STALL	20255	20256
	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	20203	20204
		SOCKET	20237	20238
		JIFFY KEY STALL	20255	20256
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	20205	20206
		SOCKET	20239	20240
		JIFFY KEY STALL	20255	20256
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	20207	20208
		SOCKET	20241	20242
		JIFFY KEY STALL	20255	20256
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	20209	20210
		SOCKET	20243	20244
		JIFFY KEY STALL	20255	20256
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	20211	20212
		SOCKET	20245	20246
		JIFFY KEY STALL	20255	20256

FITS SERIES 3 STRAIGHT ATTACHMENTS



STALL TYPE INSTALLATION

3/16" / 4.76 mm JIFFY KEY



FOR 12 POINT CONFIGURATION ADD X AFTER SOCKET OR
SOCKET ACCESSORY ASSEMBLY NUMBER.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
3/16" 4.76 mm	1/2" 12.7 mm	SOCKET ACCESSORY ASSEMBLY	20213	20214
		SOCKET	20237	20238
		JIFFY KEY STALL	20257	20258
	9/16" 14.29 mm	SOCKET ACCESSORY ASSEMBLY	20215	20216
		SOCKET	20239	20240
		JIFFY KEY STALL	20257	20258
	5/8" 15.87 mm	SOCKET ACCESSORY ASSEMBLY	20217	20218
		SOCKET	20241	20242
		JIFFY KEY STALL	20257	20258
	1 1/16" 17.46 mm	SOCKET ACCESSORY ASSEMBLY	20219	20220
		SOCKET	20243	20244
		JIFFY KEY STALL	20257	20258
	3/4" 19.05 mm	SOCKET ACCESSORY ASSEMBLY	20221	20222
		SOCKET	20245	20246
		JIFFY KEY STALL	20257	20258

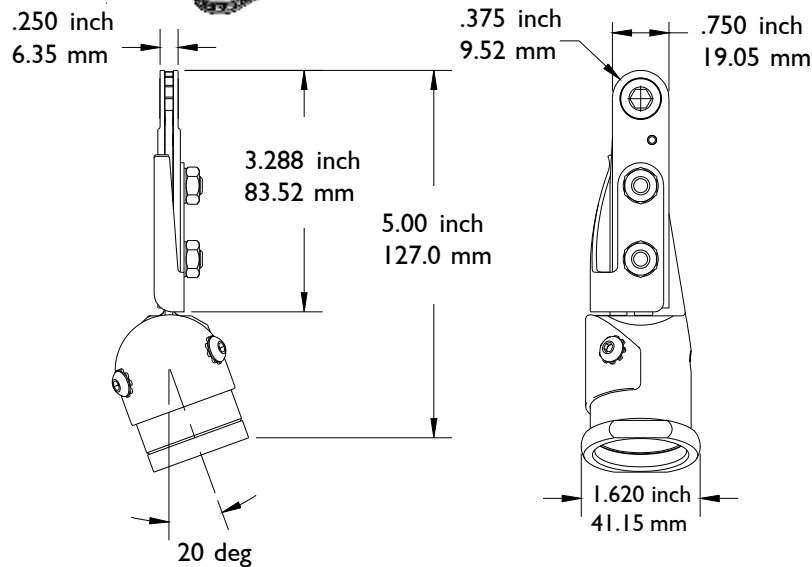
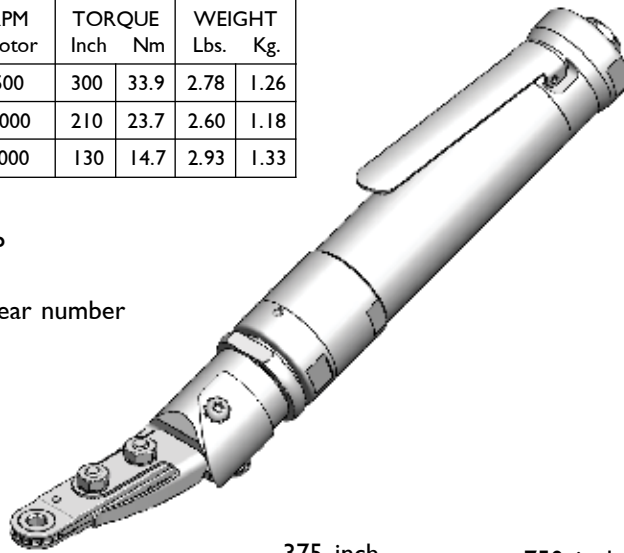
20 DEGREE RATCHET

20682 3/4" x 1/4" Ratchet Attachment

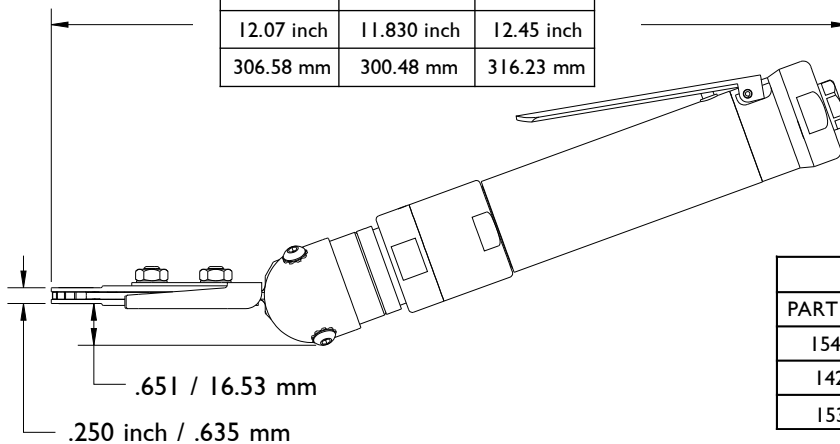


TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-20682	72	500	300	33.9	2.78	1.26
20054-20682	143	1000	210	23.7	2.60	1.18
20055-20682	286	2000	130	14.7	2.93	1.33

20682 Attachment
Shown with 20055 .85 HP
2000 RPM Motor
TOOL # 20055-20682-Gear number



500 RPM	1000 RPM	2000 RPM
12.07 inch	11.830 inch	12.45 inch
306.58 mm	300.48 mm	316.23 mm



RATCHET GEARS		
PART NO.	HEX SIZE	TYPE
15485	7/32	HEX THRU
1422	1/4	HEX THRU
1530	5/16	HEX THRU

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.

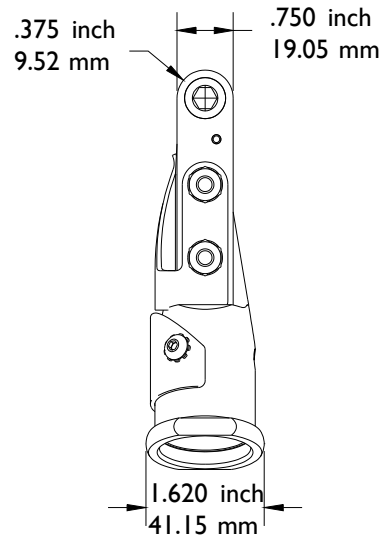
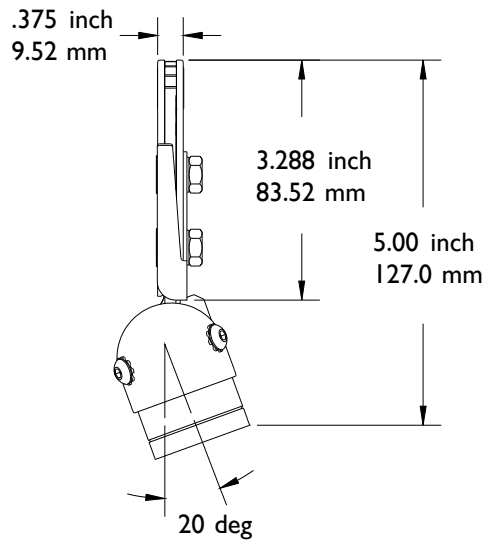
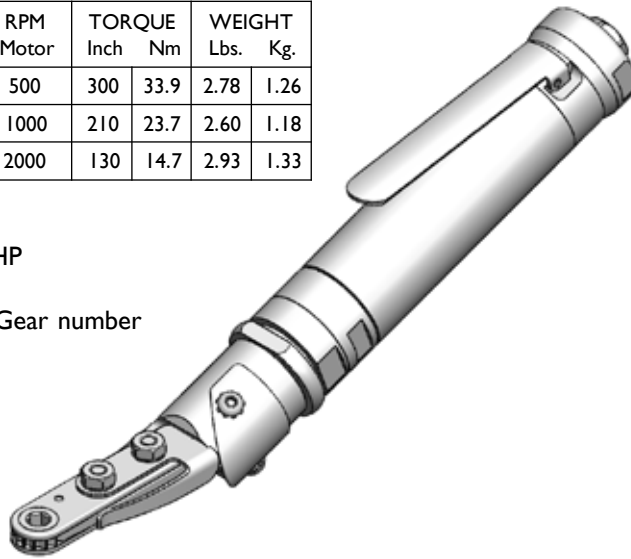
20 DEGREE RATCHET

20684 3/4" x 3/8" Ratchet Attachment

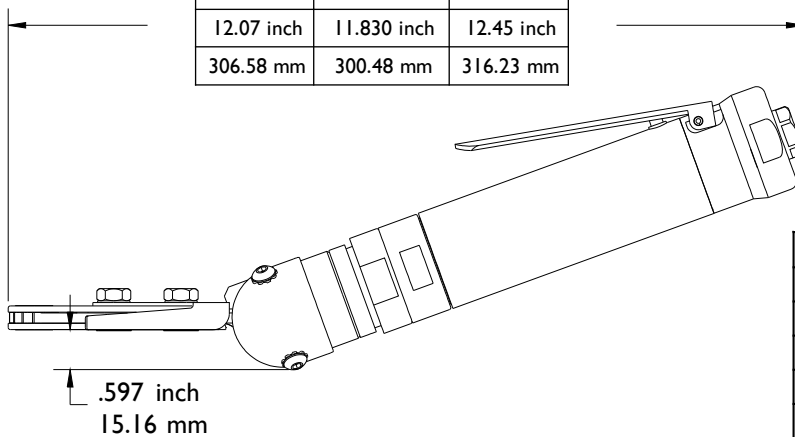


TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-20684	72	500	300	33.9	2.78	1.26
20054-20684	143	1000	210	23.7	2.60	1.18
20055-20684	286	2000	130	14.7	2.93	1.33

20684 Attachment
Shown with 20054 .85 HP
1000 RPM Motor
TOOL # 20054-20684-Gear number



500 RPM	1000 RPM	2000 RPM
12.07 inch	11.830 inch	12.45 inch
306.58 mm	300.48 mm	316.23 mm



RATCHET GEARS		
PART NO.	HEX SIZE	TYPE
15486	7/32	HEX THRU
9933	1/4	HEX THRU
1591	11/32	HEX THRU
1589	7/16	HEX THRU
1593	5/16	HEX THRU
1595	3/8	HEX THRU
14216	9/32	HEX THRU

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.

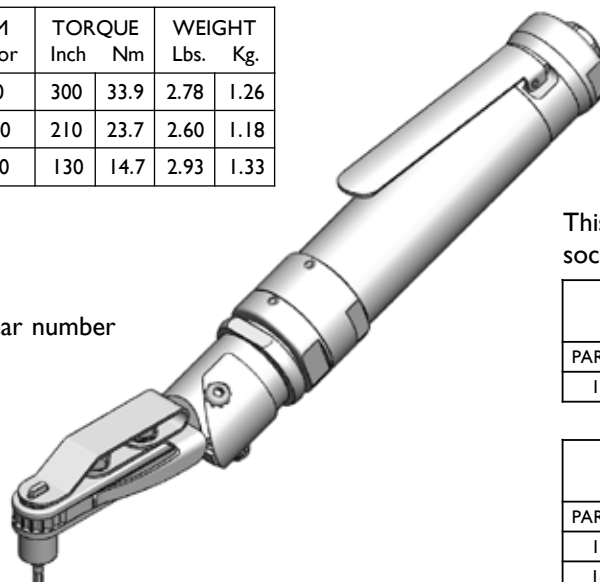
20 DEGREE RATCHET

19992 3/4" x 1/2" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-19992	72	500	300	33.9	2.78	1.26
20054-19992	143	1000	210	23.7	2.60	1.18
20055-19992	286	2000	130	14.7	2.93	1.33

19992 Attachment
Shown with 20053 .85 HP
500 RPM Motor
TOOL # 20053-19992- Gear number



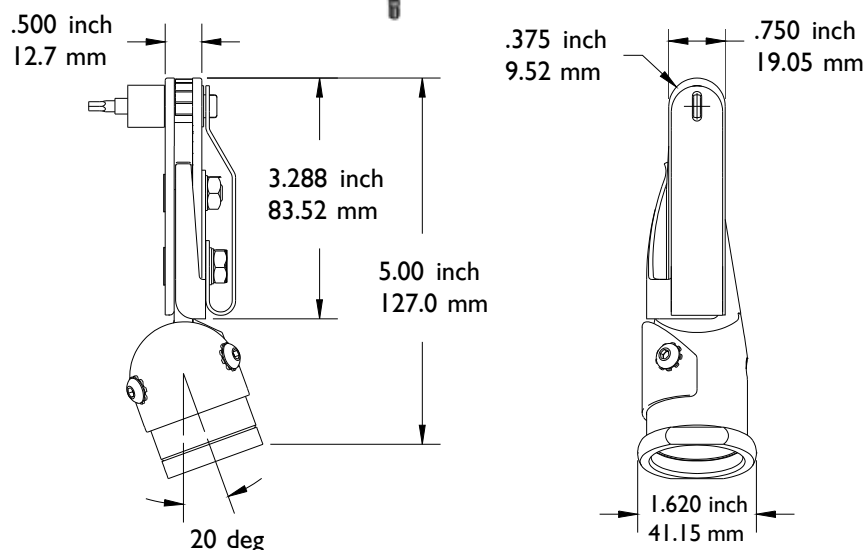
This tool uses series 2/3
sockets and keys Page 71

SOCKET DRIVER GEAR SEE SERIES 2/3 SOCKET TABLES		
PART NO.	HEX SIZE	TYPE
15424	9/32	SOCKET DRIVER

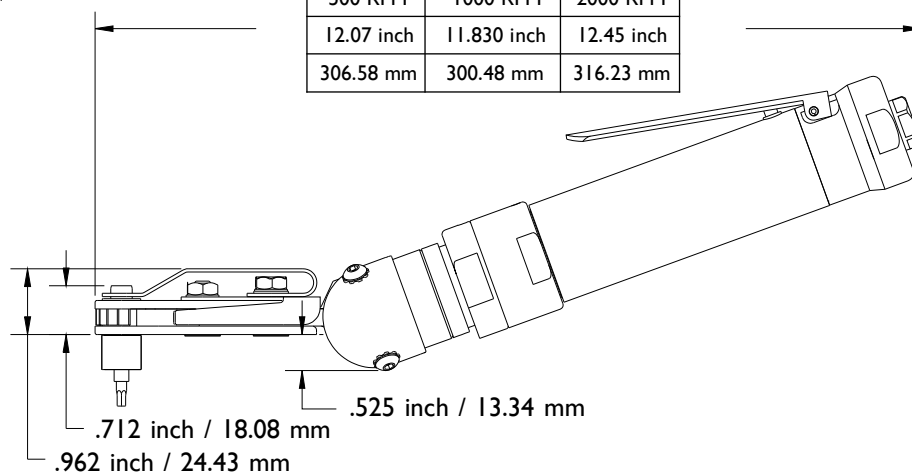
RATCHET GEARS FLUSH SOCKET BUILT INTO GEAR		
PART NO.	HEX SIZE	TYPE
16105	7/32	FLUSH
16106	9/32	FLUSH
16107	5/16	FLUSH
16108	11/32	FLUSH
16109	7/16	FLUSH
16110	3/8	FLUSH

FLUSH HEX KEYS	
PART NO.	HEX SIZE
18155	1/16
18156	5/64
18157	3/32
18158	1/8
18935	5/32
18936	3/16

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.



500 RPM	1000 RPM	2000 RPM
12.07 inch	11.830 inch	12.45 inch
306.58 mm	300.48 mm	316.23 mm



RATCHET GEARS HEX THRU		
PART NO.	HEX SIZE	TYPE
15488	7/32	HEX THRU
9947	1/4	HEX THRU
10781	9/32	HEX THRU
1429	5/16	HEX THRU
1447	7/16	HEX THRU
1445	11/32	HEX THRU
1430	3/8	HEX THRU
1412	3/8-1/2 EXT	HEX THRU

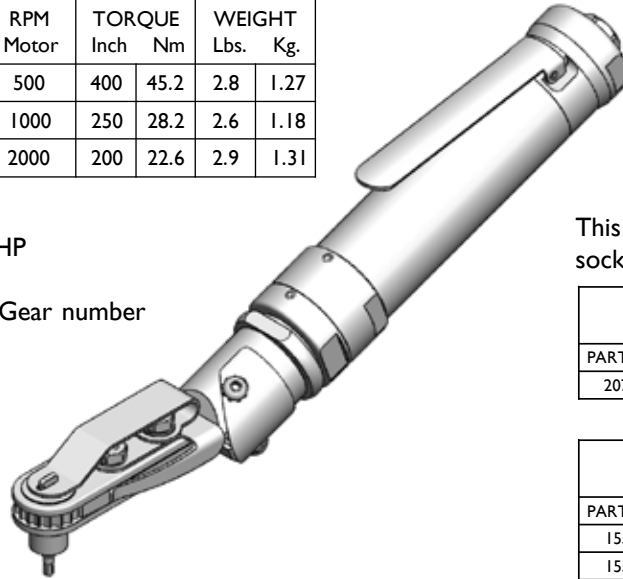
20 DEGREE RATCHET

19993 1" x 1/2" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE Inch Nm	WEIGHT Lbs. Kg.
20053-19993	56	500	400 45.2	2.8 1.27
20054-19993	112	1000	250 28.2	2.6 1.18
20055-19993	223	2000	200 22.6	2.9 1.31

19993 Attachment
Shown with 20053 .85 HP
500 RPM Motor
TOOL # 20053-19993-Gear number



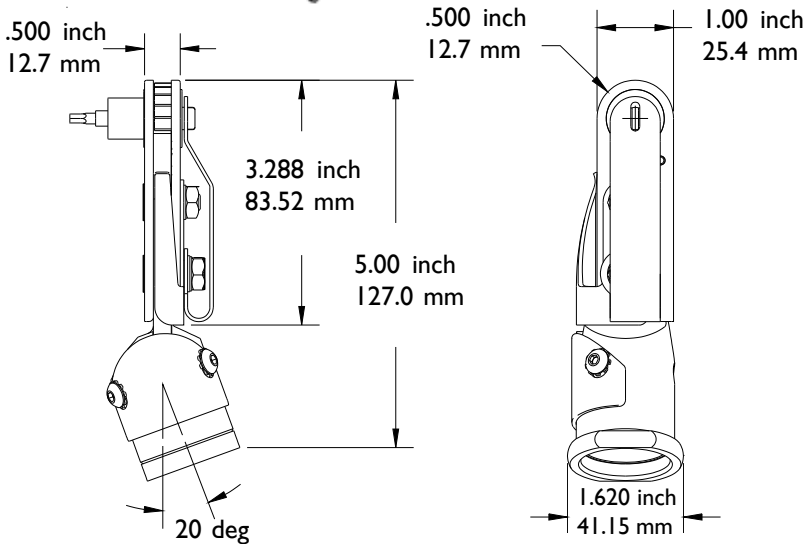
This tool uses series 2/3
sockets and keys Page 71

SOCKET DRIVER GEAR SEE SERIES 2/3 SOCKET TABLES		
PART NO.	HEX SIZE	TYPE
20705	9/32	9/32 SOCKET DRIVER

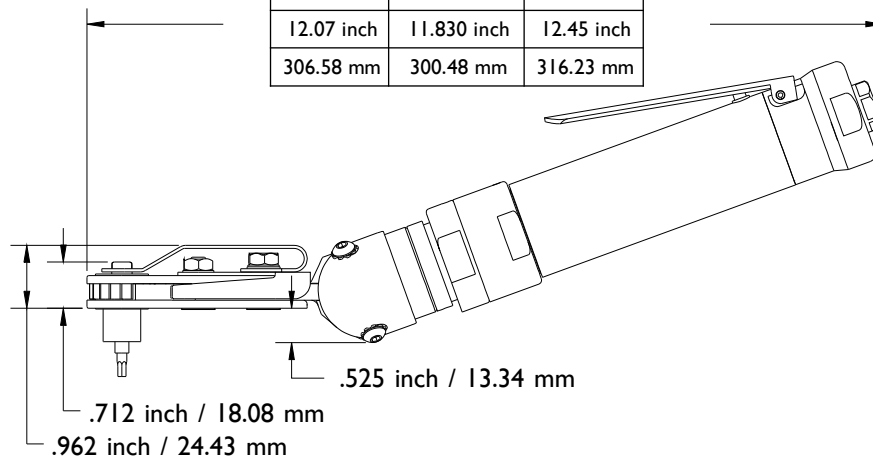
RATCHET GEARS FLUSH SOCKET BUILT INTO GEAR		
PART NO.	HEX SIZE	TYPE
15524	9/16	FLUSH
15525	1/2	FLUSH
15526	7/16	FLUSH
15527	3/8	FLUSH
15528	11/32	FLUSH
15529	5/16	FLUSH

FLUSH HEX KEYS	
PART NO.	HEX SIZE
18155	1/16
18156	5/64
18157	3/32
18158	1/8
18935	5/32
18936	3/16

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.



500 RPM	1000 RPM	2000 RPM
12.07 inch	11.830 inch	12.45 inch
306.58 mm	300.48 mm	316.23 mm



RATCHET GEARS HEX THRU		
PART No.	HEX SIZE	TYPE
10875	9/32	HEX THRU
1495	5/16	HEX THRU
1493	7/16	HEX THRU
1491	11/32	HEX THRU
1487	1/2	HEX THRU
1501	9/16	HEX THRU
1636	3/8	12 PT. THRU

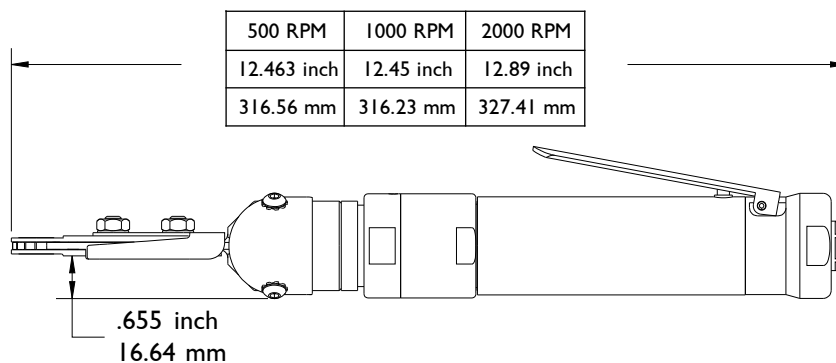
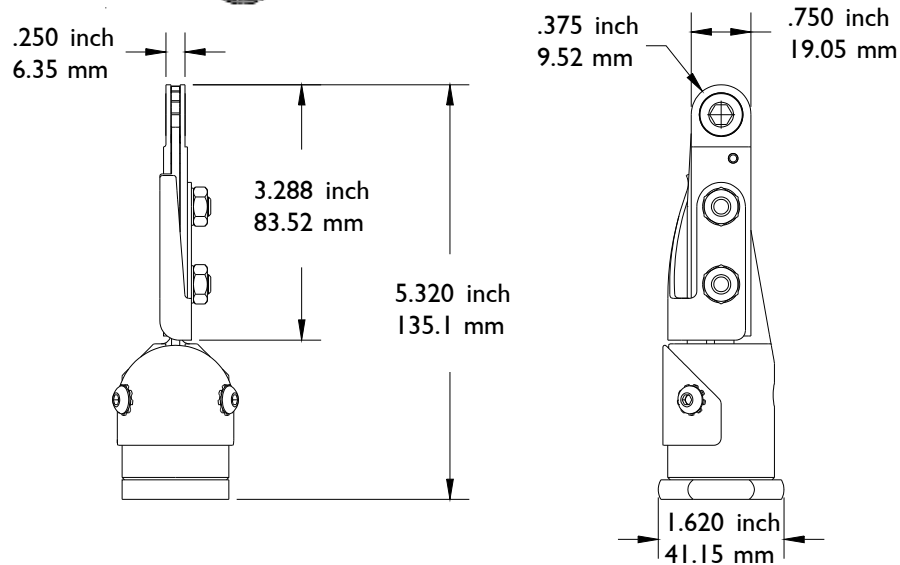
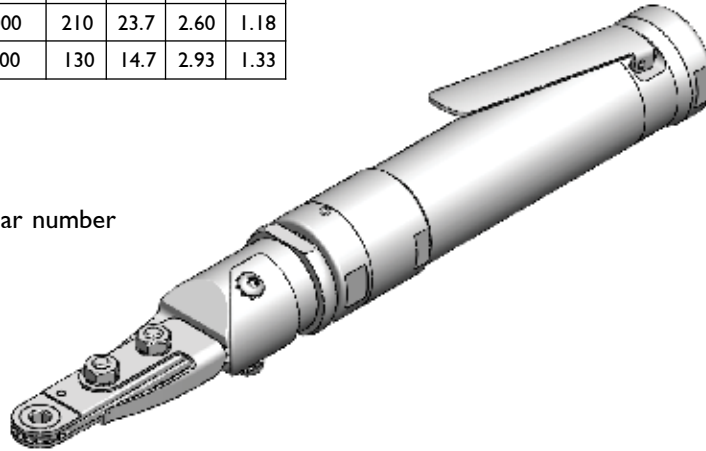
STRAIGHT RATCHET

20683 3/4" x 1/4" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-20683	72	500	300	33.9	2.78	1.26
20054-20683	143	1000	210	23.7	2.60	1.18
20055-20683	286	2000	130	14.7	2.93	1.33

20683 Attachment
Shown with 20055 .85 HP
2000 RPM Motor
TOOL # 20055-20683-Gear number



FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.

RATCHET GEARS		
PART NO.	HEX SIZE	TYPE
15485	7/32	HEX THRU
1422	1/4	HEX THRU
1530	5/16	HEX THRU

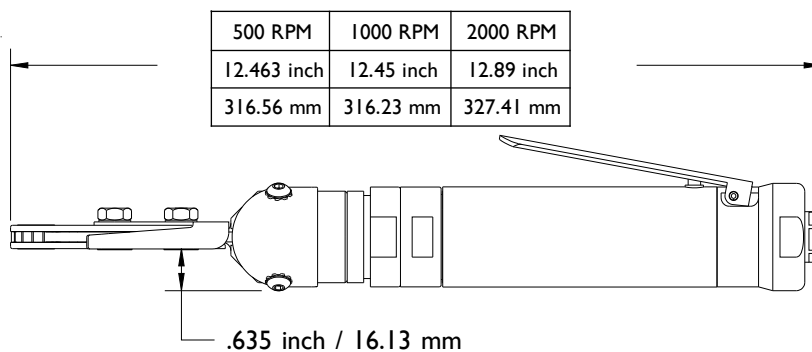
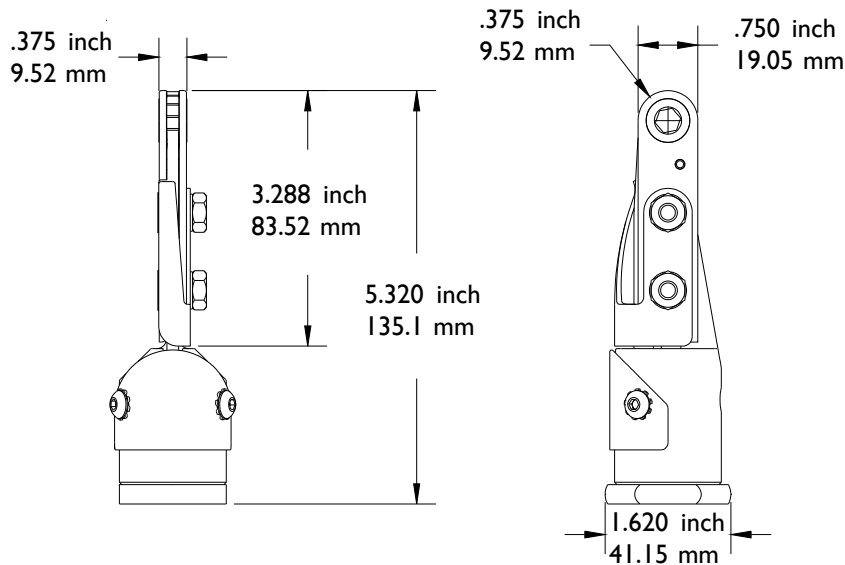
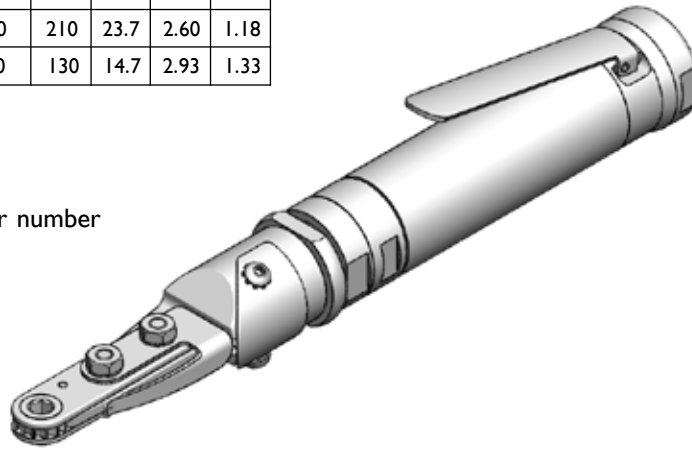
STRAIGHT RATCHET

20685 3/4" x 3/8" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE Inch Nm	WEIGHT Lbs. Kg.
20053-20685	72	500	300 33.9	2.78 1.26
20054-20685	143	1000	210 23.7	2.60 1.18
20055-20685	286	2000	130 14.7	2.93 1.33

20685 Attachment
Shown with 20054 .85 HP
1000 RPM Motor
TOOL # 20054-20685-Gear number



FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.

RATCHET GEARS		
PART NO.	HEX SIZE	TYPE
15486	7/32	HEX THRU
9933	1/4	HEX THRU
1591	1 1/32	HEX THRU
1589	7/16	HEX THRU
1593	5/16	HEX THRU
1595	3/8	HEX THRU
14216	9/32	HEX THRU

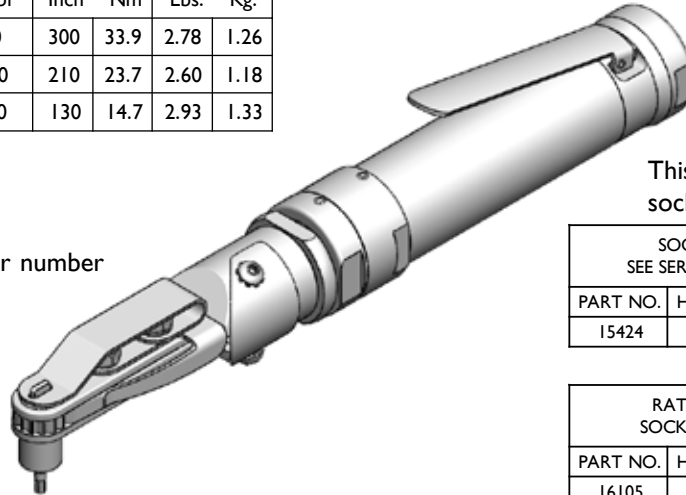
STRAIGHT RATCHET

20686 3/4" x 1/2" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-20686	72	500	300	33.9	2.78	1.26
20054-20686	143	1000	210	23.7	2.60	1.18
20055-20686	286	2000	130	14.7	2.93	1.33

20686 Attachment
Shown with 20053 .85 HP
500 RPM Motor
TOOL # 20053-20686-Gear number



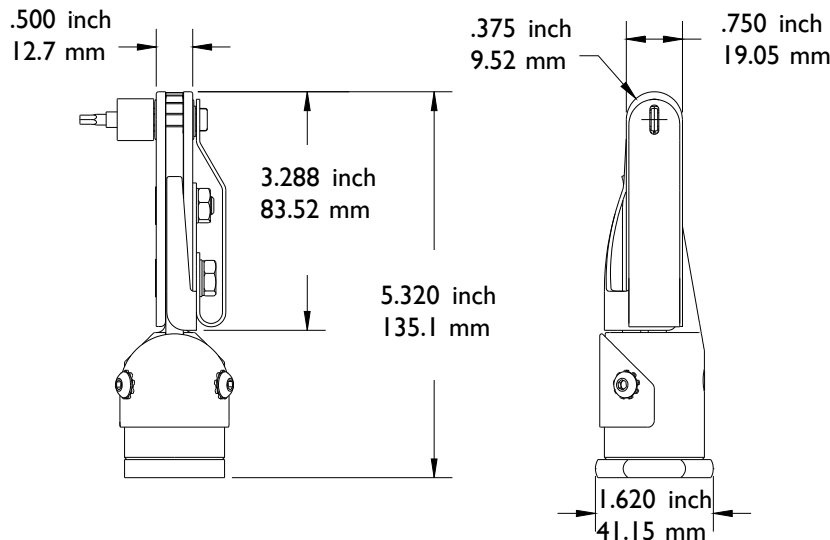
This tool uses series 2/3
sockets and keys Page 71

SOCKET DRIVER GEAR SEE SERIES 2/3 SOCKET TABLES		
PART NO.	HEX SIZE	TYPE
15424	9/32	SOCKET DRIVER

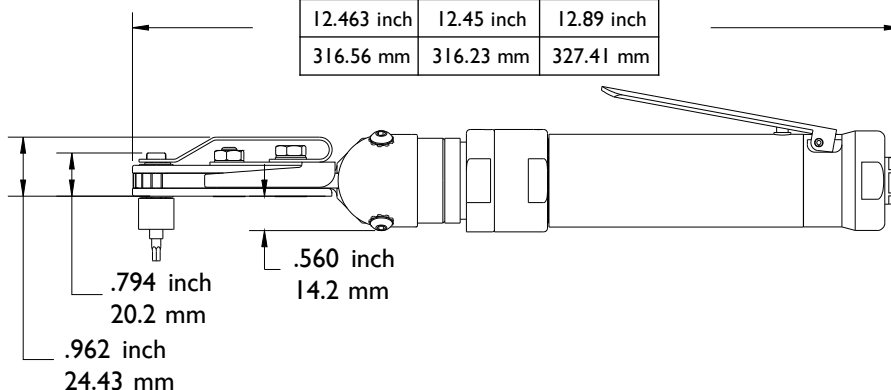
RATCHET GEARS FLUSH SOCKET BUILT INTO GEAR		
PART NO.	HEX SIZE	TYPE
16105	7/32	FLUSH
16106	9/32	FLUSH
16107	5/16	FLUSH
16108	11/32	FLUSH
16109	7/16	FLUSH
16110	3/8	FLUSH

FLUSH HEX KEYS	
PART NO.	HEX SIZE
18155	1/16
18156	5/64
18157	3/32
18158	1/8
18935	5/32
18936	3/16

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.



500 RPM	1000 RPM	2000 RPM
12.463 inch	12.45 inch	12.89 inch
316.56 mm	316.23 mm	327.41 mm



RATCHET GEARS HEX THRU		
PART NO.	HEX SIZE	TYPE
15488	7/32	HEX THRU
9947	1/4	HEX THRU
10781	9/32	HEX THRU
1429	5/16	HEX THRU
1447	7/16	HEX THRU
1445	11/32	HEX THRU
1430	3/8	HEX THRU
1412	3/8-1/2 EXT	HEX THRU

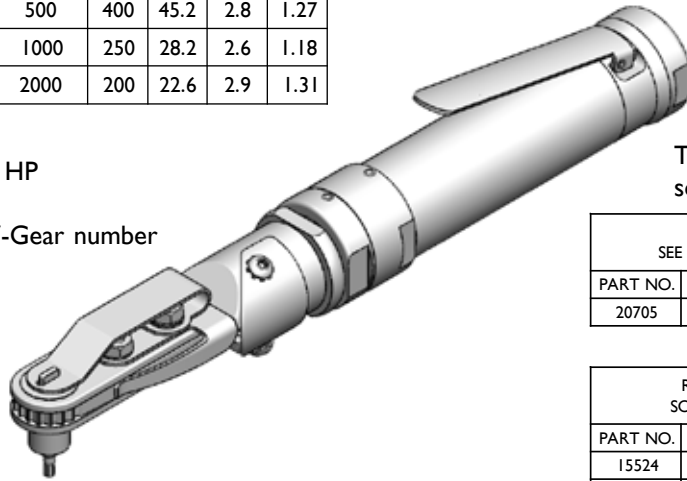
STRAIGHT RATCHET

20687 1" x 1/2" Ratchet Attachment



TOOL #	RPM Fastener	RPM Motor	TORQUE		WEIGHT	
			Inch	Nm	Lbs.	Kg.
20053-20687	56	500	400	45.2	2.8	1.27
20054-20687	112	1000	250	28.2	2.6	1.18
20055-20687	223	2000	200	22.6	2.9	1.31

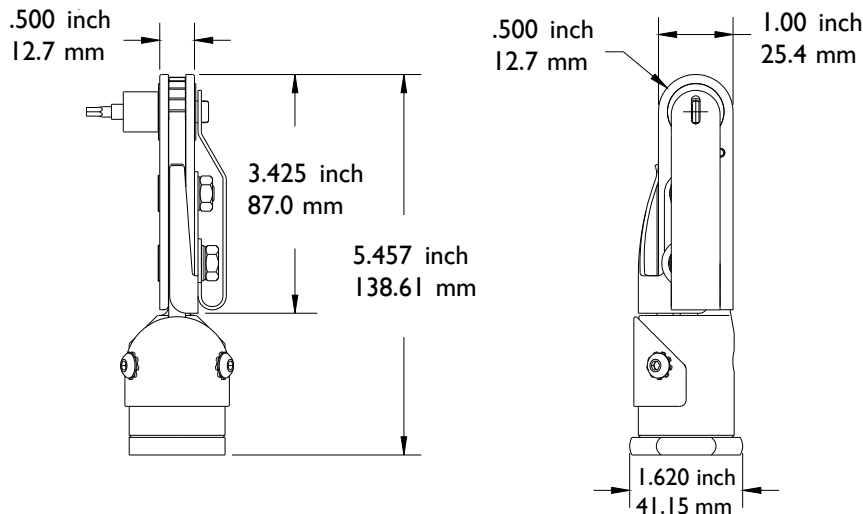
20687 Attachment
Shown with 20053 .85 HP
500 RPM Motor
TOOL # 20053-20687-Gear number



This tool uses series 2/3
sockets and keys Page 71

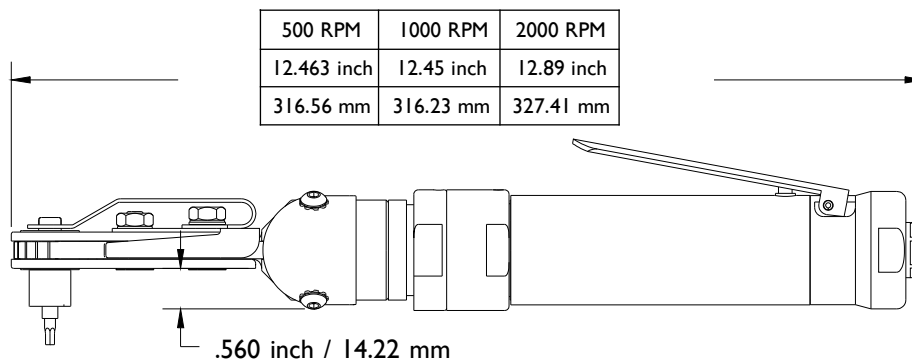
SOCKET DRIVER GEAR SEE SERIES 2/3 SOCKET TABLES		
PART NO.	HEX SIZE	TYPE
20705	9/32	9/32 SOCKET DRIVER

RATCHET GEARS FLUSH SOCKET BUILT INTO GEAR		
PART NO.	HEX SIZE	TYPE
15524	9/16	FLUSH
15525	1/2	FLUSH
15526	7/16	FLUSH
15527	3/8	FLUSH
15528	11/32	FLUSH
15529	5/16	FLUSH



FLUSH HEX KEYS	
PART NO.	HEX SIZE
18155	1/16
18156	5/64
18157	3/32
18158	1/8
18935	5/32
18936	3/16

FOR TWELVE POINT CONFIGURATION
ADD X TO RATCHET GEAR PART NO.



RATCHET GEARS HEX THRU		
PART No.	HEX SIZE	TYPE
10875	9/32	HEX THRU
1495	5/16	HEX THRU
1493	7/16	HEX THRU
1491	11/32	HEX THRU
1487	1/2	HEX THRU
1501	9/16	HEX THRU
1636	3/8	12 PT. THRU



750 Tab Shear

You can efficiently shear router tabs from aluminum, steel, titanium and stainless steels or perform similar shearing and trimming operations with this lightweight , powerful tool.

Made from 356 T6 aluminum and heat treated precision ground tool steel for the demanding use of the Aerospace industry.

Shearing Capacity: Aluminum 1/8" 3.17mm
Steel 1/16" 1.59mm

Maximum Throat Opening: 1/8" x 3"
3.17 x 76.2mm

Shearing Force: 4200 lbs. 1909 Kilos

Weight: 7 lbs. 3.18 Kilos

Air Inlet Thread Size: 1/4" NPT



- A: Full Length Bosses With Bolts and Self Locking Nuts That Will Not Loosen or Pull Out.
- B: Hard Anodized Aluminum Frame That is Twice as Strong as The Competition in this Critical Area.
- C: Tool Steel Shear Blades May Be Resharpenered or Rotated to a New Edge.
 - Two Edges, Top Blade
 - Four Edges, Bottom Blade
- D: Large Carbide Wear Faces Protect Frame.

20514 Snap Ring Tool

Series I snap ring tool

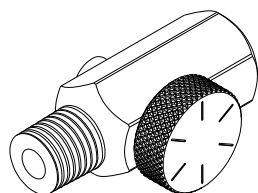
For the installation of the 17816 snap ring



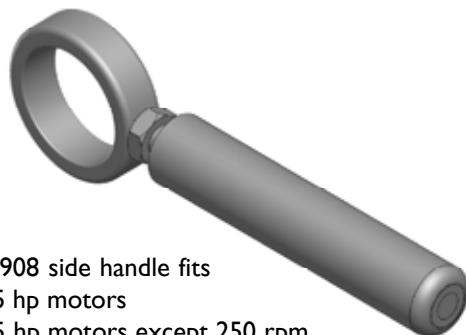
101 Air Inlet Regulator

UAT 101 air inlet regulator provides an easy means for restricting the air flow to tools not equipped with built in regulators.

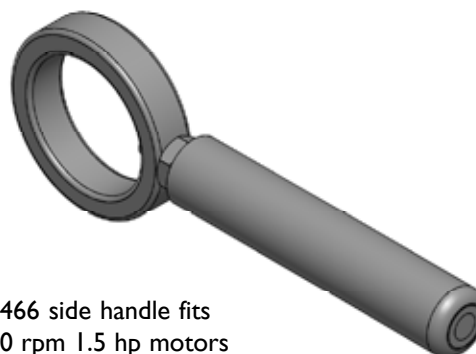
Spring loaded detents provide accurate settings.



17908 & 20466 Side Handles



17908 side handle fits
.85 hp motors
1.5 hp motors except 250 rpm
D motors



20466 side handle fits
250 rpm 1.5 hp motors



LUBRICATION INSTRUCTIONS

AIR SUPPLY

Our tools are designed to operate at 90 pounds per square inch air pressure. The pressure should be checked at the tools inlet with the tool running. For maximum performance use a 1/4" inside diameter air hose up to 8 foot in length. If additional length is required a 3/8" or larger inside diameter should be connected to the 1/4" inside diameter hose. All hoses should be clear of dirt and moisture.

AIR LINE LUBRICATION

An automatic in-line filter-lubricator is recommended as it increases tool life and provides needed lubrication for tools in sustained operation. The in-line lubricator should be regularly checked and filled with a good grade of 10 weight machine oil. Proper adjustment of the in-line lubricator is performed by placing a sheet of paper next to the exhaust ports of the tool and holding the throttle open for approximately one minute. The lubricator is set correctly when a very light stain of oil collects on the paper. Excessive amounts of oil should be avoided. In the event that it becomes necessary to store the tool for an extended amount of time it should receive a generous amount of lubrication at that time and again when returned to service. The tool should be stored in a clean and dry environment. Care should be taken to absorb any excess oil from the exhaust with a suitable cloth or rag when the tool is first run with air after storage.

GEAR TRAIN LUBRICATION

Application of the tool should govern how frequently it is greased. It is recommended that the gear cases receive several squirts of Magnalube G grease after forty hours of operation. info@magnalube.com

ATTACHMENT LUBRICATION

The attachments should be greased once a day if used in sustained operation. Failure to lubricate attachments will cause premature wear and short attachment life. The grease gun used should fit a miniature grease fitting. Attachments use Magnalube G grease info@magnalube.com

PHONE: 775 883 1072 FAX: 775 883 4857

SAFETY RECOMMENDATIONS

Jiffy Stall Type Installation Tools are designed to install Hi-Lok, Hi-Lite, Hi-Tigue fasteners. These types of fasteners have the torque value built into the collar. When the collar reaches the pre-determined torque value the driving hex breaks away leaving the collar (or nut) installed. Care must be taken not to install fasteners with a torque value beyond the design of the attachment.

Jiffy Air Tool, Inc. is not responsible for any customer modifications to products.

WARNING

IMPORTANT SAFETY INFORMATION.

READ ALL MATERIAL BEFORE OPERATING TOOL AND KEEP SAFELY FOR FUTURE REFERENCE.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PLACE THE INFORMATION INCLUDED WITH TOOL INTO THE HANDS OF THE OPERATOR.

FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.

PLACING TOOL IN SERVICE

- * Always operate, inspect and maintain this tool in accordance with all regulations (local, state, federal and country) that may apply to hand held/ hand operated pneumatic tools.
- * For safety, top performance, and maximum durability of parts, operate this tool at 90 psig (6.2 bar/620 kPa) maximum air pressure at the inlet with 1/4" (6mm) inside diameter air supply hose.
- * Always turn off the air supply and disconnect the air supply hose before installing, removing, adjusting any accessory, socket, or cutter on this tool, or before performing any maintenance on this tool.
- * Do not use damaged, frayed, or deteriorated air hoses or fittings.
- * Be sure all hoses and fittings are the correct size and are tightly secured.
- * Always use clean, dry air at 90 psig maximum air pressure. Dust, corrosive fumes, and/or excessive moisture can ruin the motor of an air tool.
- * Do not lubricate tool with flammable or volatile liquids such as kerosene, diesel, or jet fuel.
- * Do not remove any labels. Replace any damaged label.

USING THE TOOL

- * Always wear eye protection when operating or performing maintenance on this tool.
- * Always wear hearing protection when operating this tool.
- * Keep hands, loose clothing, and long hair away from rotating end of tool.
- * Anticipate and be alert for sudden changes in motion during start up and operation of any power tool.
- * Keep body stance balanced and firm. Do not overreach when operating this tool. High reaction torques can occur at or below the recommended air pressure.
- * Cutter or socket may continue to rotate briefly after throttle is released.
- * Air power tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.
- * Use only approved cutters, sockets, and accessories.
- * This tool is not designed for work in explosive atmospheres.
- * This tool is not insulated against electric shock.

NOTICE

The use of any parts other than genuine Jiffy air tool replacement parts may result in safety hazards, decrease tool performance, increase maintenance, and invalidate all warranties.



FRACTION-DECIMAL-MILLIMETER CONVERSION CHART

INCHES		MM	INCHES		MM
1 32	1 64	.015625 .3969	17 32	33 64	.515625 13.096
3 32	3 64	.03125 .7938	9 16	35 64	.53125 13.493
1 16	5 64	.046875 1.1906	19 32	37 64	.546875 13.890
3 32	7 64	.0625 1.5875	5 8	39 64	.5625 14.287
1 8	9 64	.078125 1.9844	21 32	41 64	.578125 14.684
3 16	11 64	.09375 2.3813	11 16	43 64	.59375 15.081
7 32	13 64	.109375 2.7781	23 32	45 64	.609375 15.478
1 4	15 64	.125 3.1750	3 4	47 64	.625 15.875
5 32	17 64	.140625 3.5719	49 64	51 64	.640625 16.271
9 32	19 64	.15625 3.9688	25 32	53 64	.65625 16.668
7 16	21 64	.171875 4.3656	13 16	55 64	.671875 17.065
3 8	23 64	.1875 4.7625	7 8	57 64	.6875 17.462
5 16	25 64	.203125 5.1594	29 32	59 64	.703125 17.859
11 32	27 64	.21875 5.5563	15 16	61 64	.71875 18.256
9 32	29 64	.234375 5.9531	31 32	63 64	.734375 18.653
3 16	31 64	.250 6.3500	1 2		.750 19.050
7 32		.265625 6.7469			.765625 19.447
1 8		.28125 7.1438			.78125 19.843
5 16		.296875 7.5406			.796875 20.240
11 32		.3125 7.9375			.8125 20.6375
3 8		.328125 8.3344			.828125 21.0345
5 16		.34375 8.7313			.84375 21.431
11 32		.359375 9.1282			.859375 21.8282
3 16		.375 9.5250			.875 22.2251
7 32		.390625 9.9219			.890625 22.6220
1 4		.40625 10.3188			.90625 23.0188
5 16		.421875 10.7157			.921875 23.4157
11 32		.4375 11.1125			.9375 23.8126
3 8		.453125 11.5094			.953125 24.2095
5 16		.46875 11.9063			.96875 24.6063
11 32		.484375 12.3032			.984375 25.0032
1 2		.500 12.7001			1.000 25.4001

NOTES



SERVICE POLICY

FULL SIX MONTH WARRANTY

United Air Tool / Jiffy warrants its products against any defects that are due to faulty material or workmanship for a six month period after the original date of customer purchase. This warranty does not include damage to the product resulting from accident, misuse, or repairs performed by unauthorized personnel. If the product should become defective within the warranty period, or you have questions regarding warranty or service, call Customer Service.

RETURN PROCEDURE

1. When you wish to send any product to the factory, for any reason, contact the sales department. Sales personnel will record all pertinent information.
2. Upon approval, the sales department will issue a Return Material Authorization number, or RMA number to cover the "return" or "repair" specified.
3. The RMA number must be prominently displayed upon all packages returned to our facility. Failure to do so will result in the package being refused and returned at the shippers expense.

Restocking or Cancellation fee 50%

Phone: 1 (775) 883 1072 or (800) 828 8665

Fax: 1 (775) 883 4857

email: sales@jiffyairtool.com

Order Desk Hours: 7:00 a.m. to 3:30 p.m. PST

Monday through Friday

Mailing Address:

P.O. Box 2260

Hicksville, NY 11802 USA

Factory Address:

2254 Conestoga Dr.

Carson City, NV 89706-0434 USA

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