

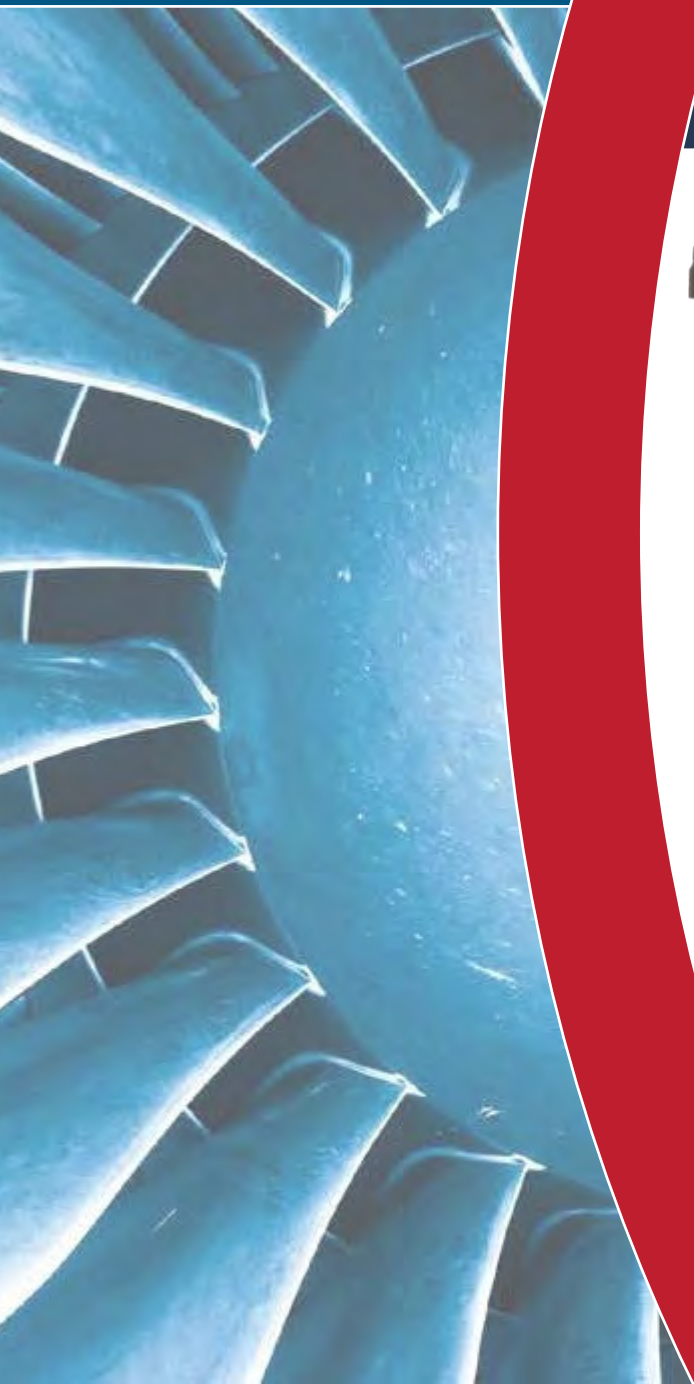


**SERVING AEROSPACE FOR
THREE GENERATIONS**



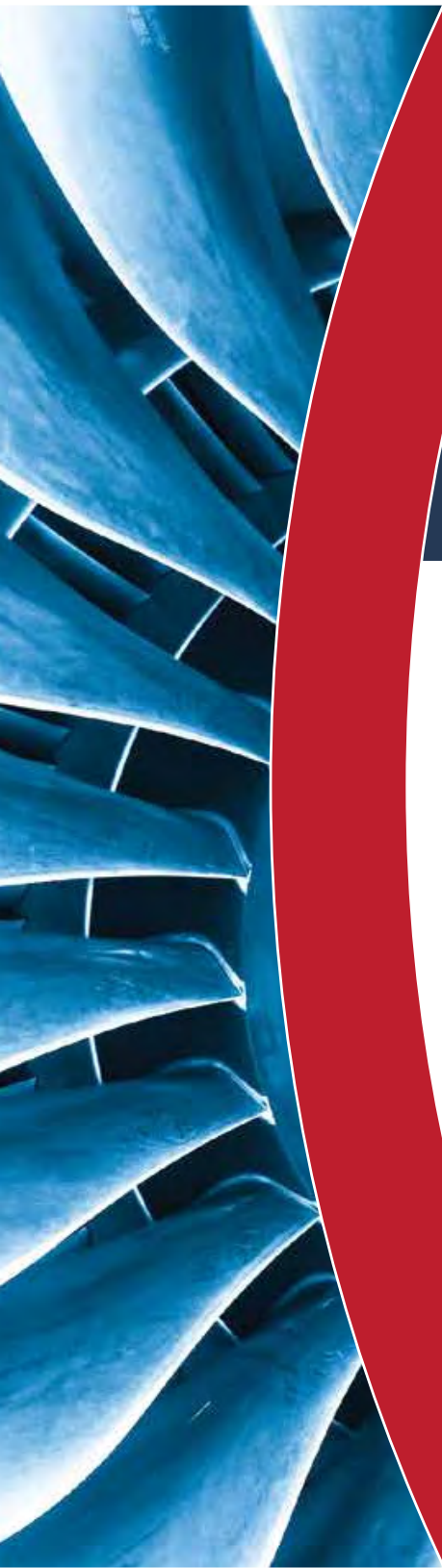
TORQUE CONTROL TOOL CATALOG

MODULAR INSTALL SYSTEM





CATALOG 2021





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 torque controlled installation system in this catalog.

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



MODULAR TORQUE CONTROLLED INSTALLATION ATTACHMENTS

17 Degree Attachments

Fixed

Series 1
Pages 8-15



Series 2
Pages 16-25



Catalog "Rat"
Page 26



*Vinyl Covers
Available

Series 3
Pages 27-28



*Vinyl Covers
Available

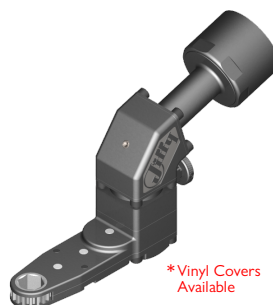
Indexable



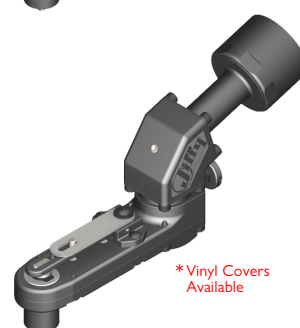
*Vinyl Covers
Available



*Vinyl Covers
Available



*Vinyl Covers
Available



*Vinyl Covers
Available

Series 1
Sockets & Keys
Page 53

Series 2 & 3
Sockets & Keys
Page 56

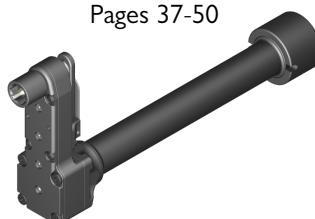
Series 2 & 3
Sockets & Keys
Page 56

L Type Attachments

Series 1
Pages 29-36



Series 2
Pages 37-50



Series 3
Pages 51-52



*Vinyl Covers
Available

Series 1
Sockets & Keys
Page 53

Series 2 & 3
Sockets & Keys
Page 56

Series 2 & 3
Sockets & Keys
Page 56

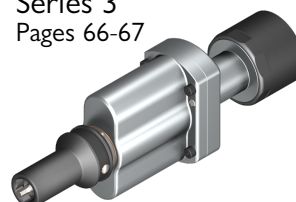
Straight Attachments

Series 2
Pages 62-65



*Vinyl Covers
Available

Series 3
Pages 66-67



Series 2
Straight Install
Sockets & Keys
Page 68

Series 3
Straight Install
Sockets & Keys
Page 72

MODULAR TORQUE CONTROLLED INSTALLATION MOTORS



Torque Control Motors

for use with attachments

Straight Torque Control Motors
(Small Castle Coupling) Pg.77



23541
380 RPM



23542
250 RPM

Offset Torque Control Motors
(Small Castle Coupling) Pg.79



23571
250 RPM



23572
250 RPM

Straight Torque Control Motors
(Big Castle Coupling) Pg.78



23550
300 RPM



23553
210 RPM



23556
160 RPM

Offset Torque Control Motors
(Big Castle Coupling) Pg.80



23573
310 RPM



23574
220 RPM



23575
160 RPM



TORQUE CONTROLLED INSTALLATION MOTORS

Torque Control Motors

Offset Screw Drivers

Pg.81

Drive: 1/4" Quick-Change
Uses generic 1/4" Hex Bits



23578
15-45 in-lbs
1.7-5.1 Nm
250 RPM



23579
35-80 in-lbs
4-9 Nm
250 RPM

Angle Nut Runners

Pg.82

Drive: 3/8" Square
Uses generic 3/8" Sq. Drive Sockets

23543
18-53 in-lbs
2-6 Nm
300 RPM
*Available with
1/4" Sq. Drive



23544
20-115 in-lbs
2.2-13 Nm
160 RPM
*Available with
1/4" Sq. Drive



23551
80-140 in-lbs
9-16 Nm
220 RPM



23554
125-220 in-lbs
14-25 Nm
150 RPM



23557
215-400 in-lbs
24-45 Nm
110 RPM



STEPS TO ORDER A TORQUE CONTROLLED INSTALLATION TOOL

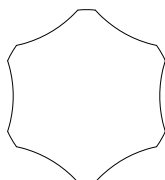


- 1 Identify your fasteners type & diameter. Note the hex size of the nut & whether it is a six or twelve point nut.
- 2 Identify if fastener pins are non-interference(loose) or interference fit. Interference fit pins can have their nut tightened without the need for a key control system. Non-interference fit pins require a "Key Control Assembly" to prevent the pin from spinning as the nut is torqued down.
- 3 Identify & note the installed torque range of the fastener to be installed. When you go to select a tool, where possible, select a tool whose median torque is closest to your fasteners torque range.
- 4 Determine what type of motor(straight or offset), attachment(17deg, L-type, or straight), & nose gear /socket setup would best fit into your work area. If the work area is extremely limited & tool fitment cannot be determined, please contact Jiffy for assistance.
- 5 Next, determine the reach requirements to access the fastener site. Decide whether a 5 or 7 gear attachment and/or a short or long tube(L-type) is needed in order to access the fastener site. You may request a "New Tool Application Form" from Jiffy to help clarify.
- 6 Now, choose the appropriate nose gear from the tables listed at the bottom of the attachment pages. The "socket driver" & "hex flush" nose gears can be used with or without a key control. "Hex thru" nose gears are not used with a key control and thus are typically used with interference-fit pins.
- 7 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 requiredThe key system will automatically be deleted if you order:
 - A) A hex thru gear
 - B) A square drive gear
 - 2.) Append accessory number(s).
Examples include:
 - 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)
 - 3.) Specify the target torque for Jiffy to preset your tool selection to.
Ex. "Set Torque: 35-40 in-lb"
- 8 OPTIONAL STEP: Concerned that the tool may damage surrounding parts & surfaces in a limited access situation? Please see our vinyl cover catalog!

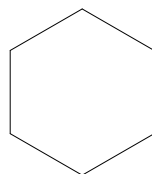


NOSE GEAR & SOCKET HEX OPTIONS

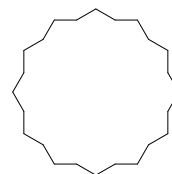
STANDARD
"JIFFY HEX" SHAPE:



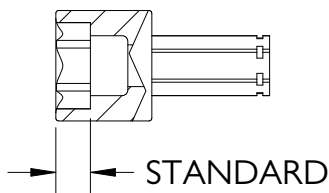
"L" OPTION
HEX SHAPE:



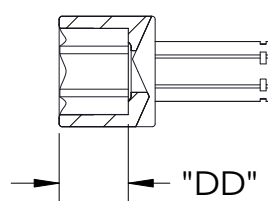
"X" OPTION
HEX SHAPE:



STANDARD
HEX DEPTH:



"DD" OPTION
HEX DEPTH:



- GENERALLY NOT POSSIBLE
ON 1/4 INCH LONG SOCKETS -

Most "Hex Thru" & "Hex Flush" nose gears & sockets will by default have the standard "Jiffy Hex" shape.

Most hex sockets, hex thru nose gears & hex flush nose gears can be equipped with "X" or "L" hex shape options.

Append the option code to the end of the nose gear or sockets part number. (Ex. "I4445X")

Sockets can additionally be setup with hex depth options, but some options cannot fit on shorter length sockets due to hex depth requirement limitations.

Append the option code to the end of the socket part number. If the socket also has a hex shape option, append the hex shape code after the "DD" depth code. (Ex. "I4445DDX")

See table below for limitations.

LEGEND

ALL OPTIONS AVAILABLE

NO DD, DDL, OR DDX

NO L, DD, DDL, OR DDX

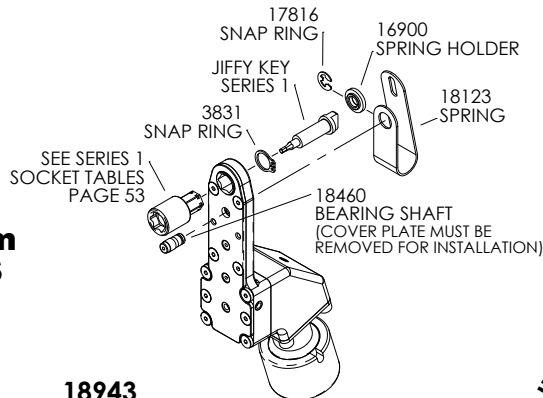
NO DDL

TYPICAL SOCKET OPTION AVAILABILITY BY HEX SIZE & EXTENSION LENGTH								
HEX SIZE	EXTENSION LENGTH							
	1/4	1/2	3/4	1	1 1/2	2	2 1/2	3+
3/16								
7/32								
1/4								
9/32								
5/16								
11/32								
3/8								
7/16								
1/2								
9/16								
5/8								
11/16								
3/4								
13/16								
7/8								
15/16								
1								
1 1/8								

KEY CONTROL ASSEMBLIES

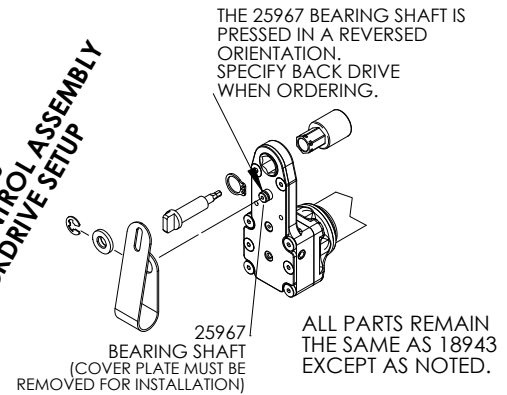


**FOR
SERIES 1
.317in / 8.05mm
NOSE RADIUS**

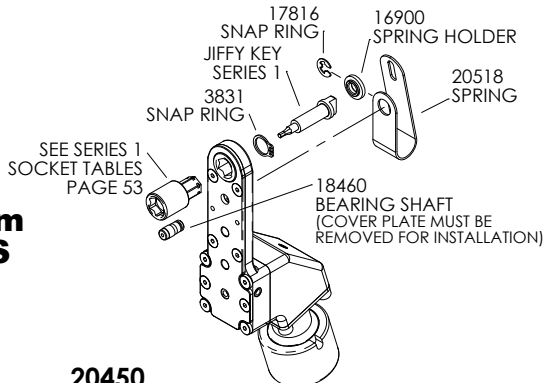


**18943
JIFFY KEY CONTROL ASSEMBLY**

**26680
JIFFY KEY CONTROL ASSEMBLY
BACKDRIVE SETUP**

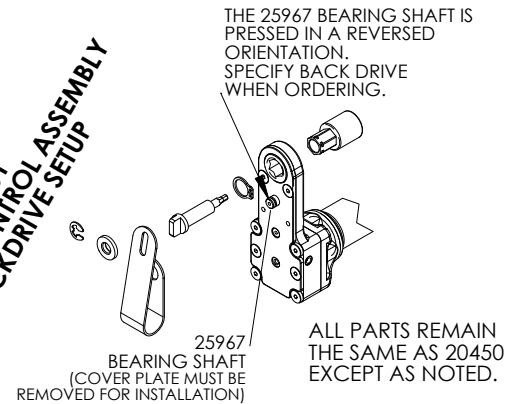


**FOR
SERIES 1
.366in / 9.30mm
NOSE RADIUS**

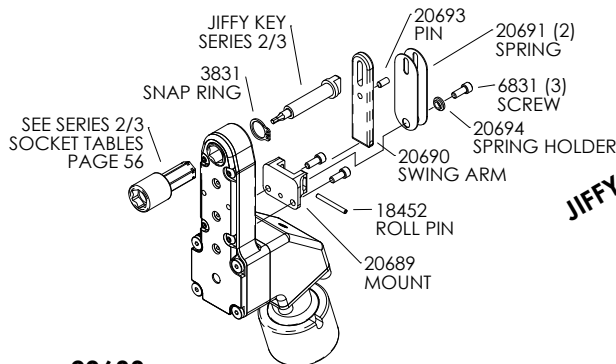


**20450
JIFFY KEY CONTROL ASSEMBLY**

**26681
JIFFY KEY CONTROL ASSEMBLY
BACKDRIVE SETUP**

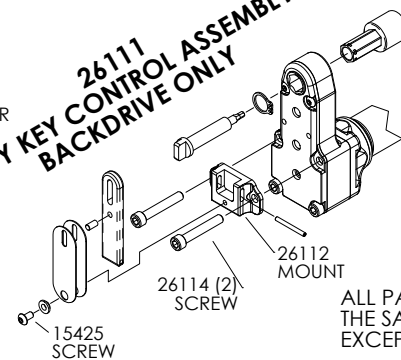


**FOR
SERIES 2**



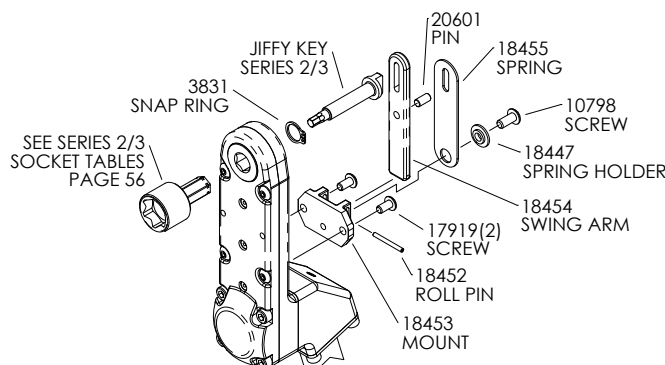
**20688
JIFFY KEY CONTROL ASSEMBLY**

**26111
JIFFY KEY CONTROL ASSEMBLY
BACKDRIVE ONLY**



ALL PARTS REMAIN THE SAME AS 20688 EXCEPT AS NOTED.

**FOR
SERIES 3**



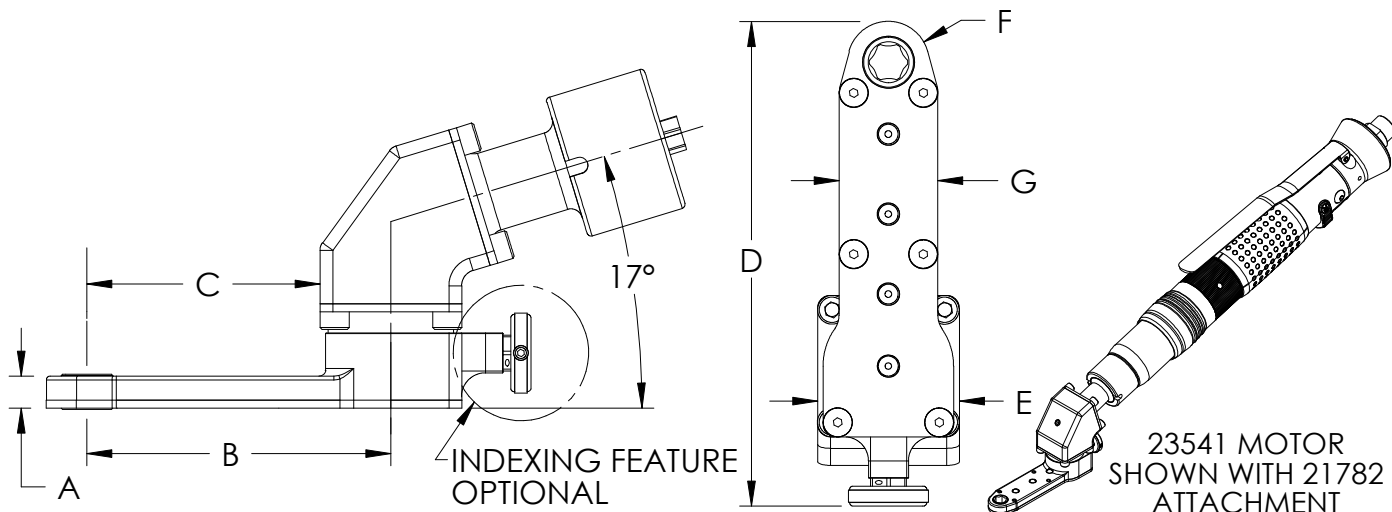
**18448
JIFFY KEY CONTROL ASSEMBLY**

17 DEG SERIES 1

7-27 in-lbs / .8-3.0 Nm

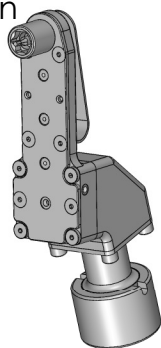


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 380 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21770	FIXED	9-27	5	.250 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
21782	INDEXABLE	9-27	5	.250 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
21771	FIXED	7-20	7	.250 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
21783	INDEXABLE	7-20	7	.250 in	3.625 in	3.072 in	5.035 in	1.110 in	.317 in	.770 in

Nose Gear Selection

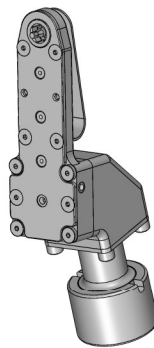


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

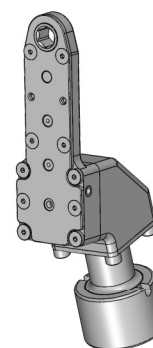
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

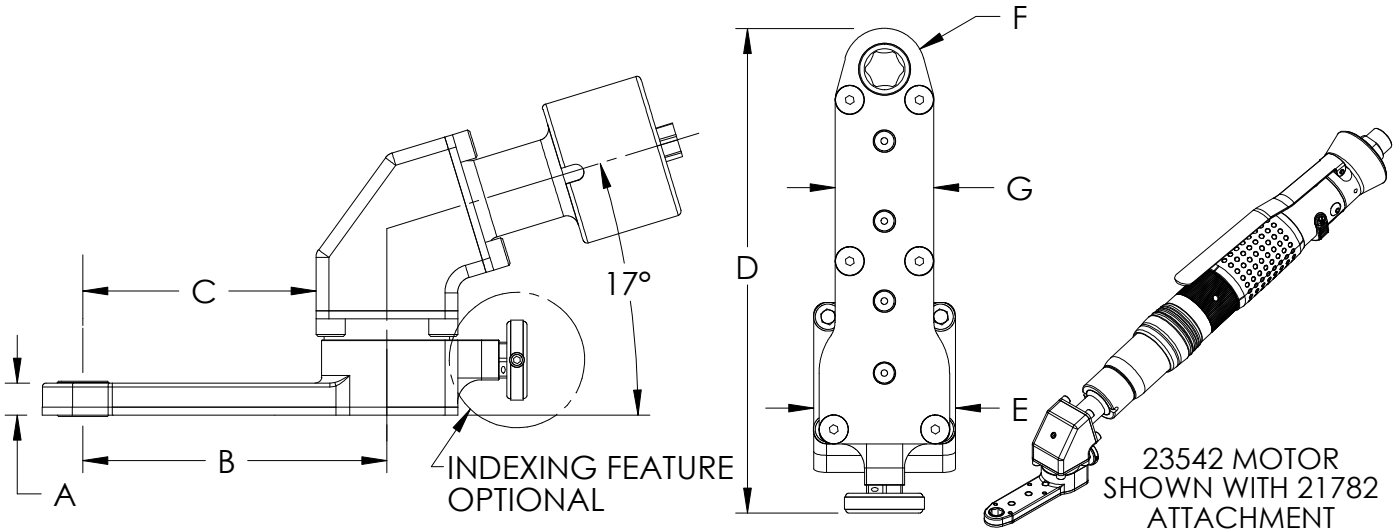
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

17 DEG SERIES 1

15-48 in-lbs / 1.7-5.4 Nm

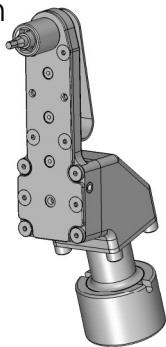


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21770	FIXED	21-48	5	.250 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
21782	INDEXABLE	21-48	5	.250 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
21771	FIXED	15-35	7	.250 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
21783	INDEXABLE	15-35	7	.250 in	3.625 in	3.072 in	5.035 in	1.110 in	.317 in	.770 in

Nose Gear Selection

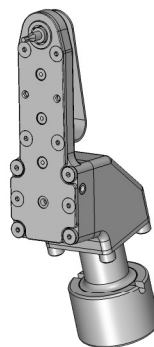


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

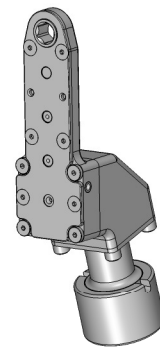
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

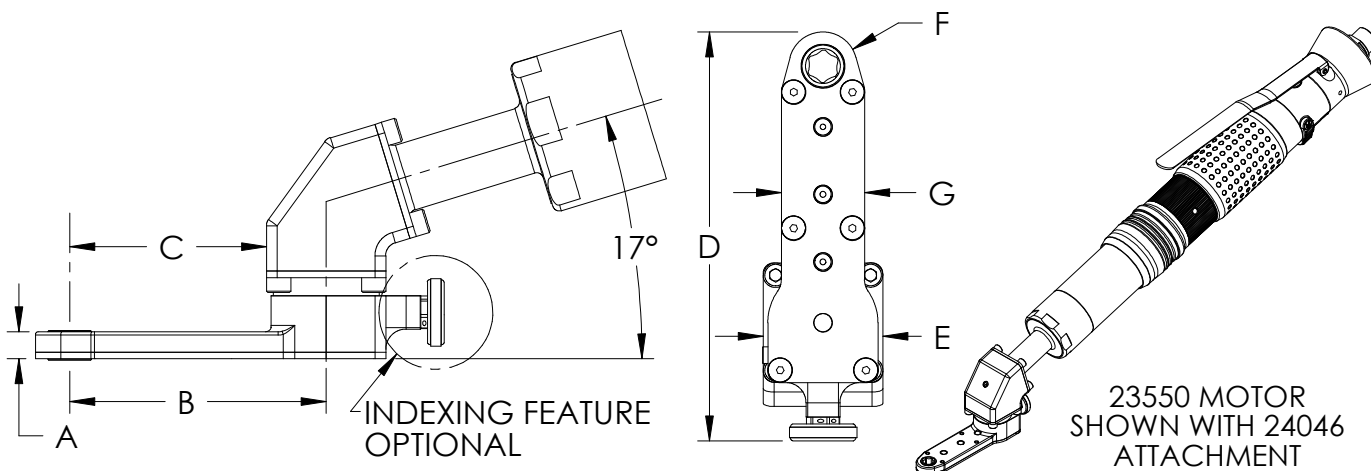
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

17 DEG SERIES 1

31-60 in-lbs / 3.5-6.8 Nm

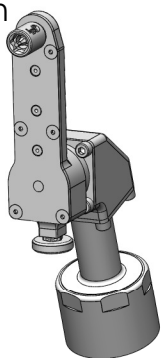


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 300 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
24040	FIXED	42-60	5	.250 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
24046	INDEXABLE	42-60	5	.250 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
24041	FIXED	31-48	7	.250 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
24047	INDEXABLE	31-48	7	.250 in	3.625 in	3.072 in	5.035 in	1.110 in	.317 in	.770 in

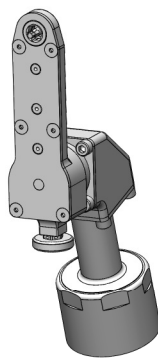
Nose Gear Selection



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

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

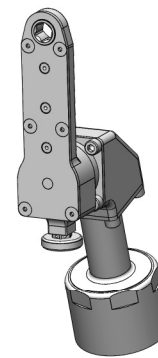
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

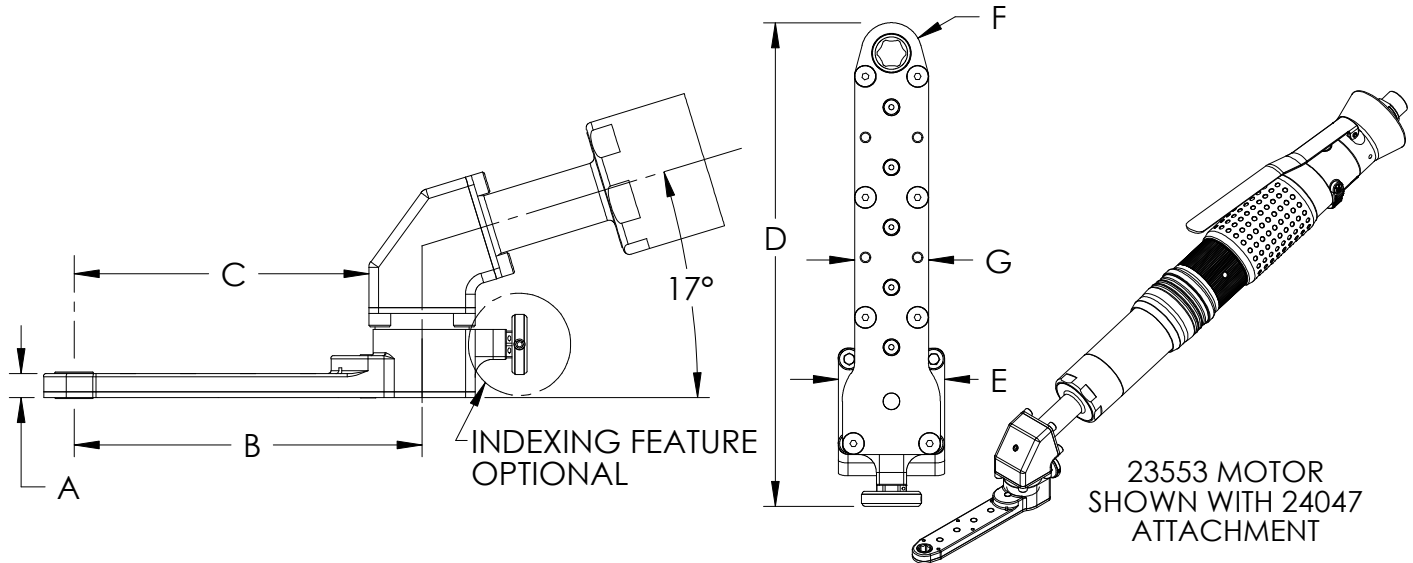
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

17 DEG SERIES 1

44-60 in-lbs / 5.0-6.8 Nm

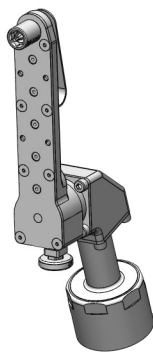


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 210 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
24041	FIXED	44-60	7	.250 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
24047	INDEXABLE	44-60	7	.250 in	3.625 in	3.072 in	5.035 in	1.110 in	.317 in	.770 in

Nose Gear Selection

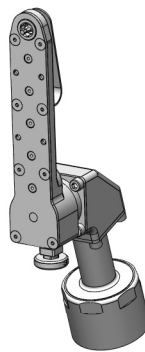


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

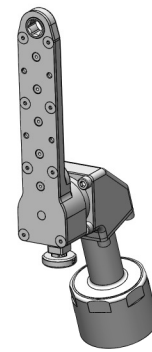
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

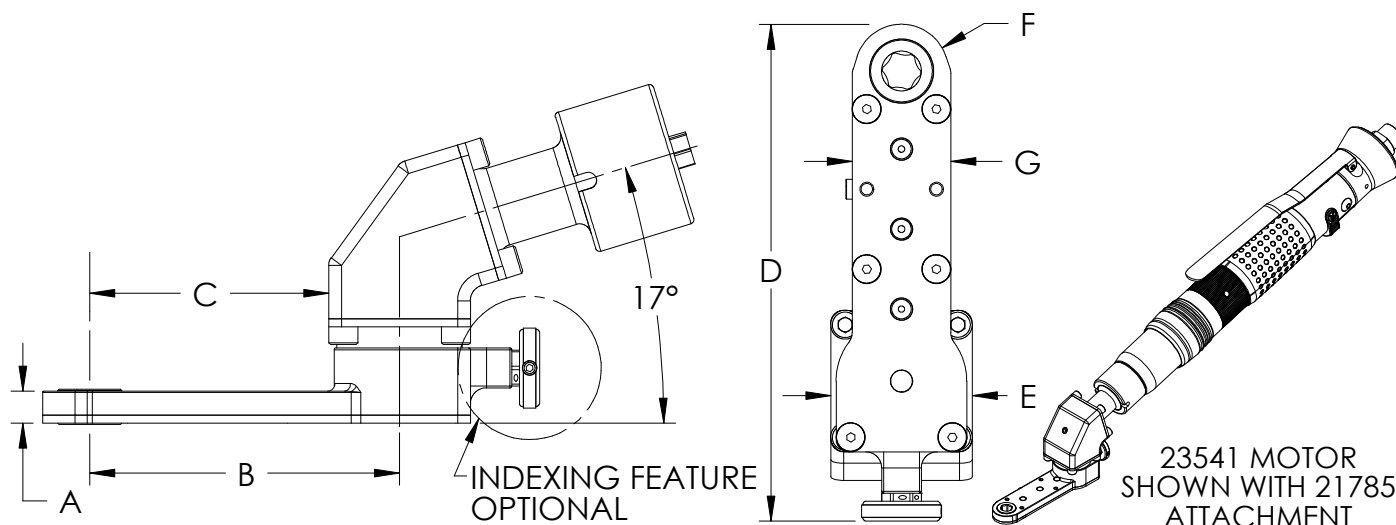
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

17 DEG SERIES 1

7-27 in-lbs / .8-3.0 Nm

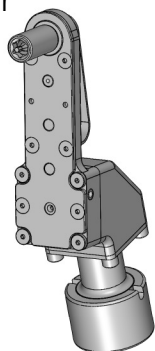


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 380 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21773	FIXED	9-27	5	.250 in	2.422 in	1.869 in	3.341 in	1.110 in	.366 in	.770 in
21785	INDEXABLE	9-27	5	.250 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
21774	FIXED	7-20	7	.250 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
21786	INDEXABLE	7-20	7	.250 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection

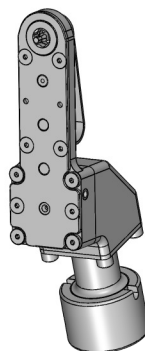


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

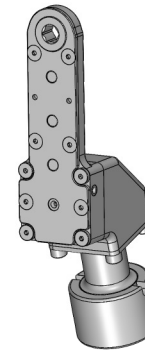
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

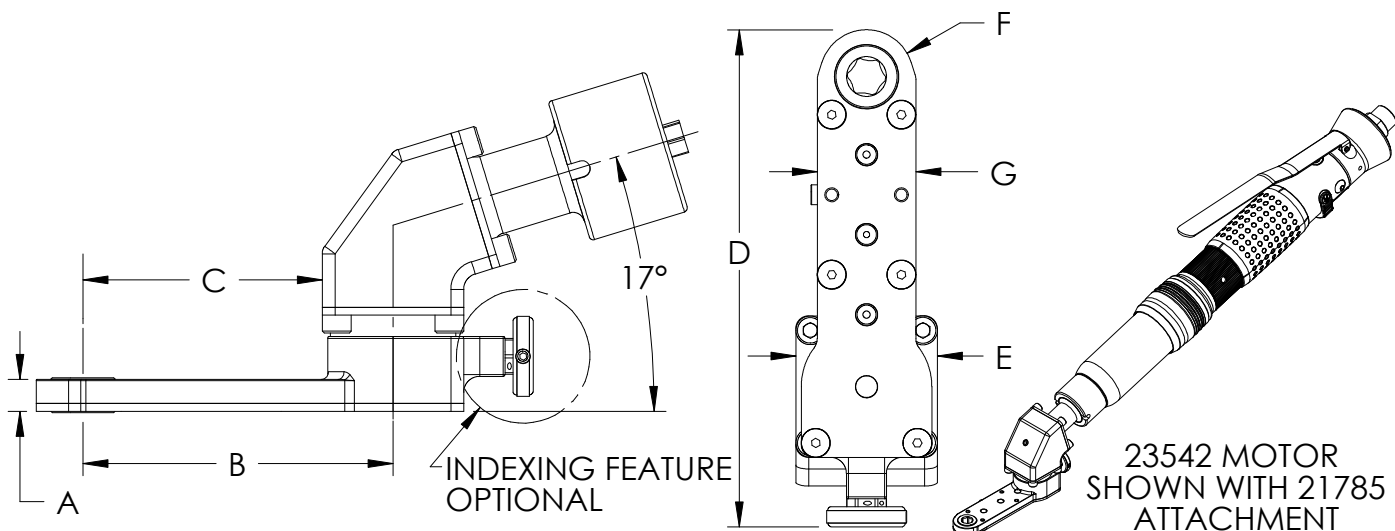
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

17 DEG SERIES 1

15-48 in-lbs / 1.7-5.4 Nm

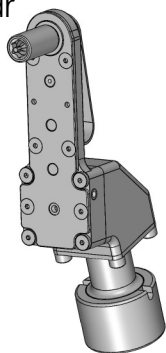


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21773	FIXED	21-48	5	.250 in	2.422 in	1.869 in	3.341 in	1.110 in	.366 in	.770 in
21785	INDEXABLE	21-48	5	.250 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
21774	FIXED	15-35	7	.250 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
21786	INDEXABLE	15-35	7	.250 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

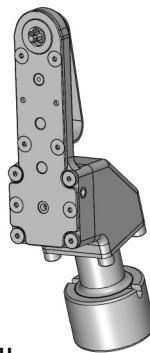
Nose Gear Selection



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

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

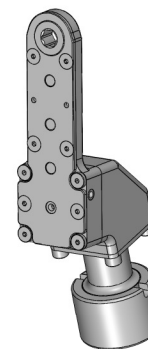
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

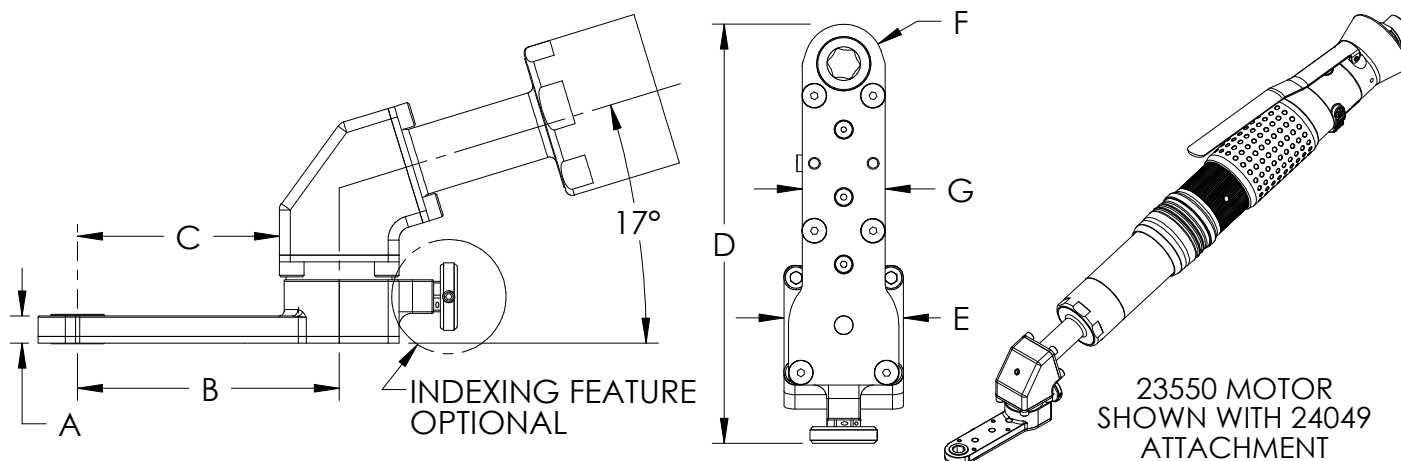
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

17 DEG SERIES 1

31-60 in-lbs / 3.5-6.8 Nm

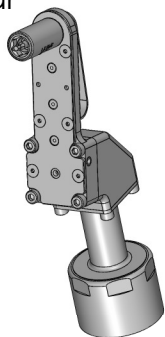


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 300 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
24043	FIXED	42-60	5	.250 in	2.422 in	1.869 in	3.341 in	1.110 in	.366 in	.770 in
24049	INDEXABLE	42-60	5	.250 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
24044	FIXED	31-48	7	.250 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
24050	INDEXABLE	31-48	7	.250 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

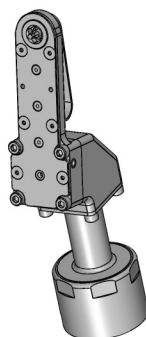
Nose Gear Selection



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

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

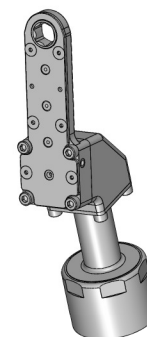
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

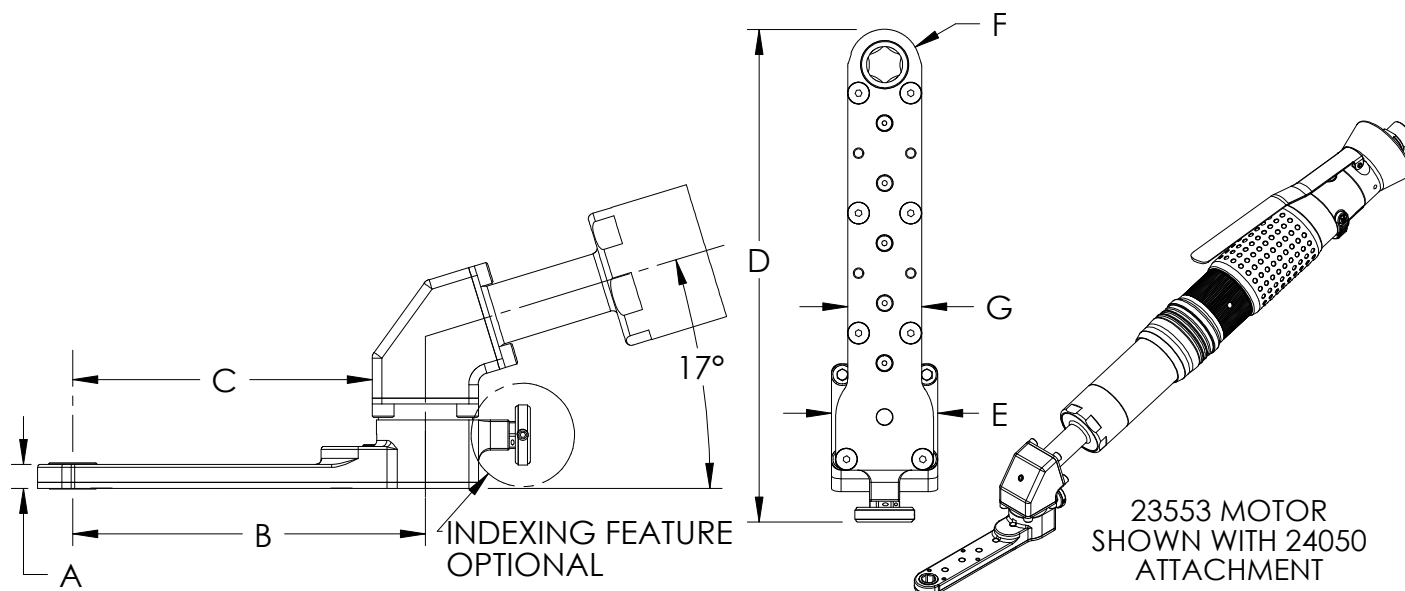
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

17 DEG SERIES 1

44-60 in-lbs / 5.0-6.8 Nm

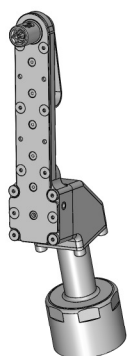


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 210 RPM



ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
24044	FIXED	44-60	7	.250 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
24050	INDEXABLE	44-60	7	.250 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection

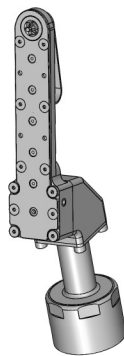


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

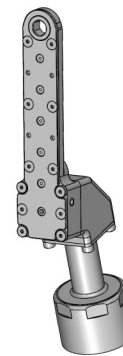
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

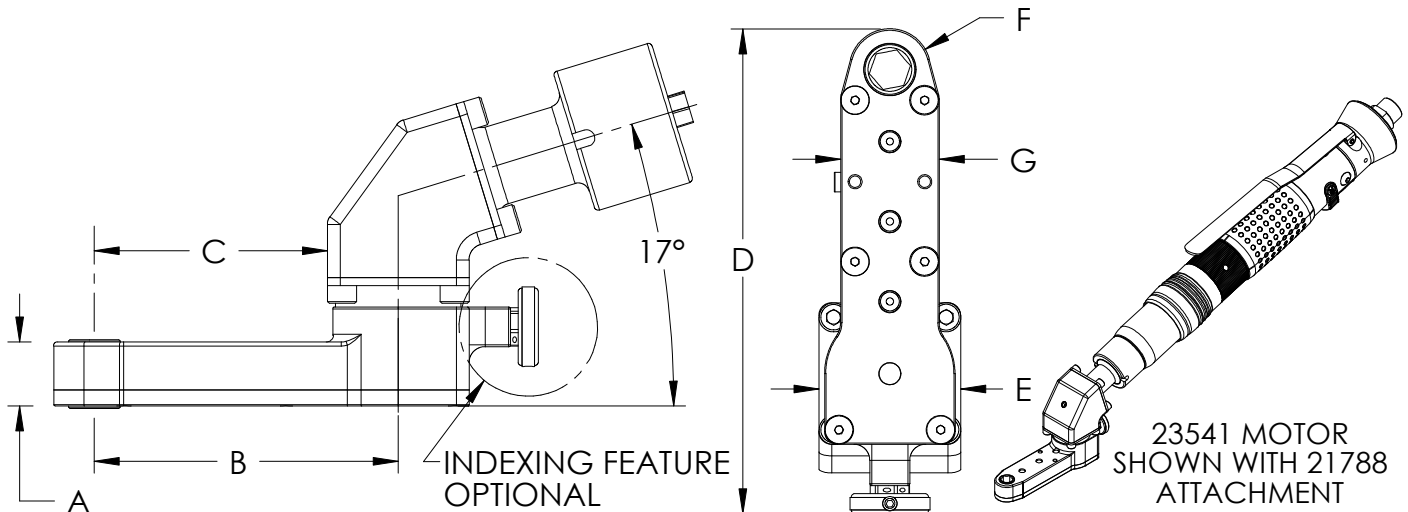
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

17 DEG SERIES 2

7-27 in-lbs / .8-3.0 Nm

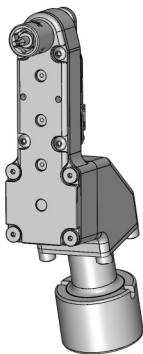


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 380 RPM



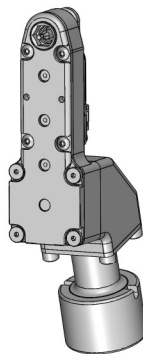
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21776	FIXED	9-27	5	.500 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
21788	INDEXABLE	9-27	5	.500 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
21777	FIXED	7-20	7	.500 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
21789	INDEXABLE	7-20	7	.500 in	3.625 in	3.072 in	5.036 in	1.110 in	.317 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



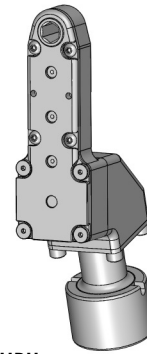
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

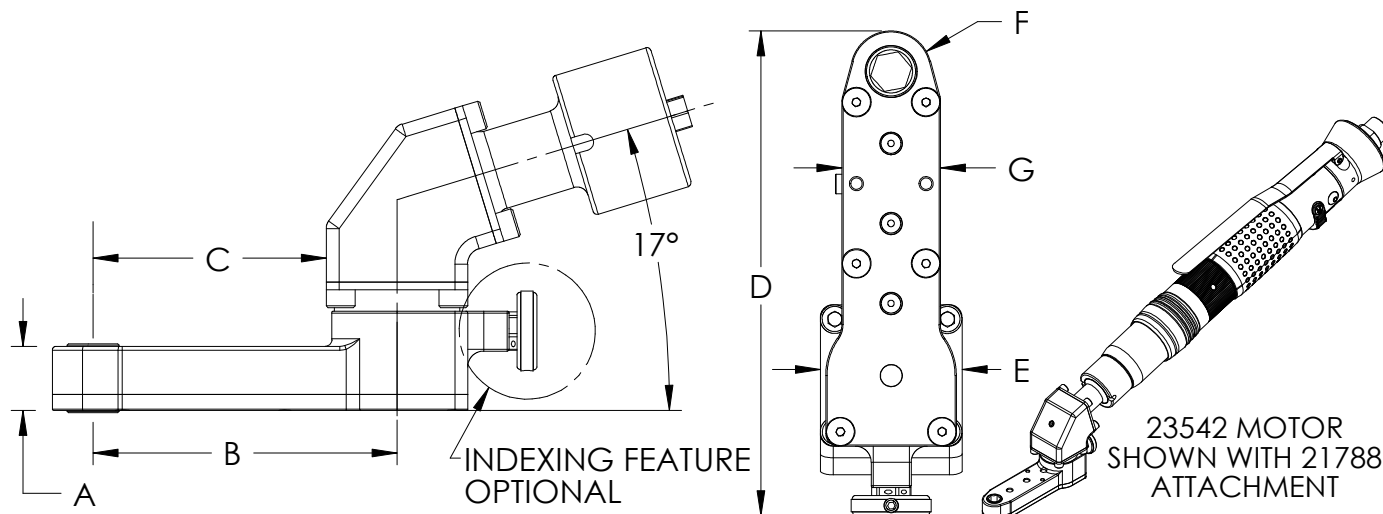
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

17 DEG SERIES 2

15-48 in-lbs / 1.7-5.4 Nm

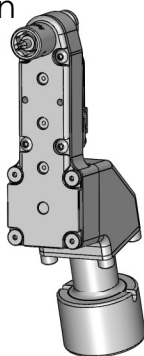


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM



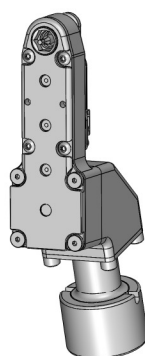
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21776	FIXED	21-48	5	.500 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
21788	INDEXABLE	21-48	5	.500 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
21777	FIXED	15-35	7	.500 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
21789	INDEXABLE	15-35	7	.500 in	3.625 in	3.072 in	5.036 in	1.110 in	.317 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

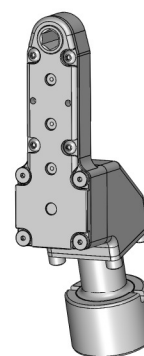
PART NO.	SIZE	TYPE
12467	9/32	SOCKET DRIVER
12468	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH



HEX THRU

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

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

JIFFY TORQUE KEYS FLUSH

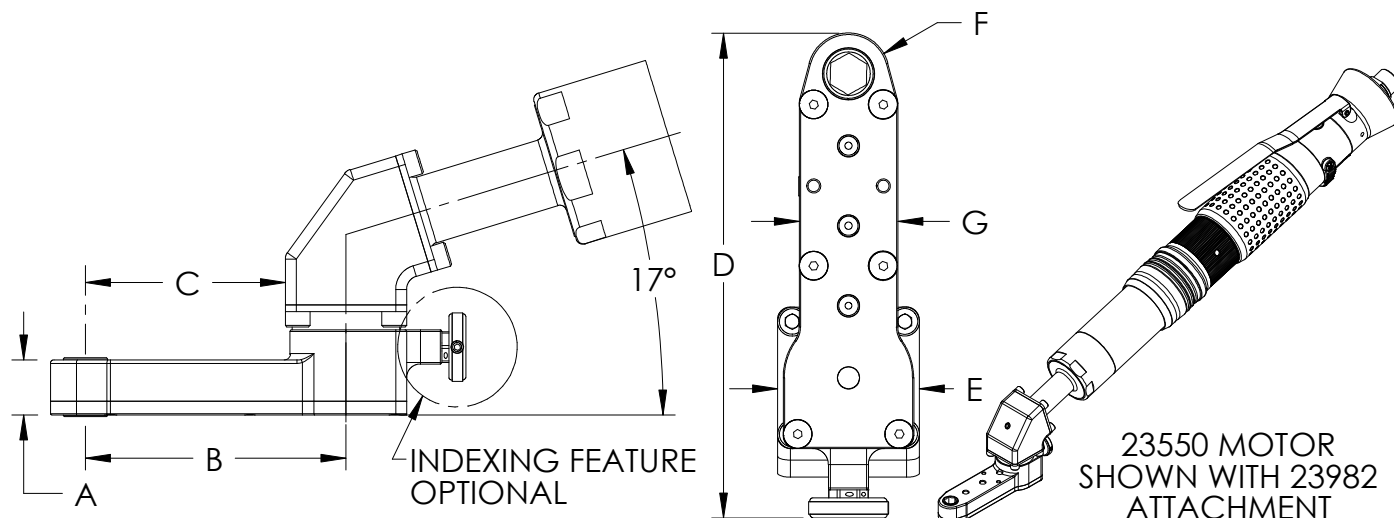
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

17 DEG SERIES 2

31-66 in-lbs / 3.5-7.5 Nm

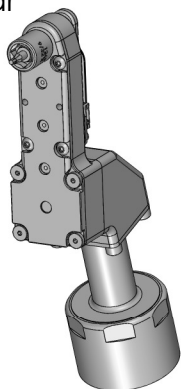


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 300 RPM



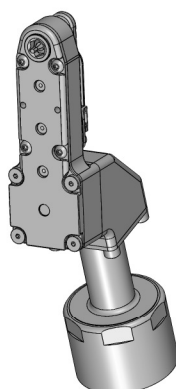
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23976	FIXED	42-66	5	.500 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
23982	INDEXABLE	42-66	5	.500 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
23977	FIXED	31-48	7	.500 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
23983	INDEXABLE	31-48	7	.500 in	3.625 in	3.072 in	5.036 in	1.110 in	.317 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



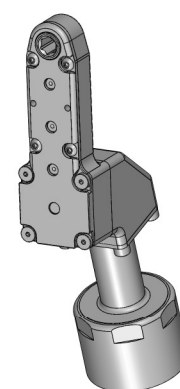
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

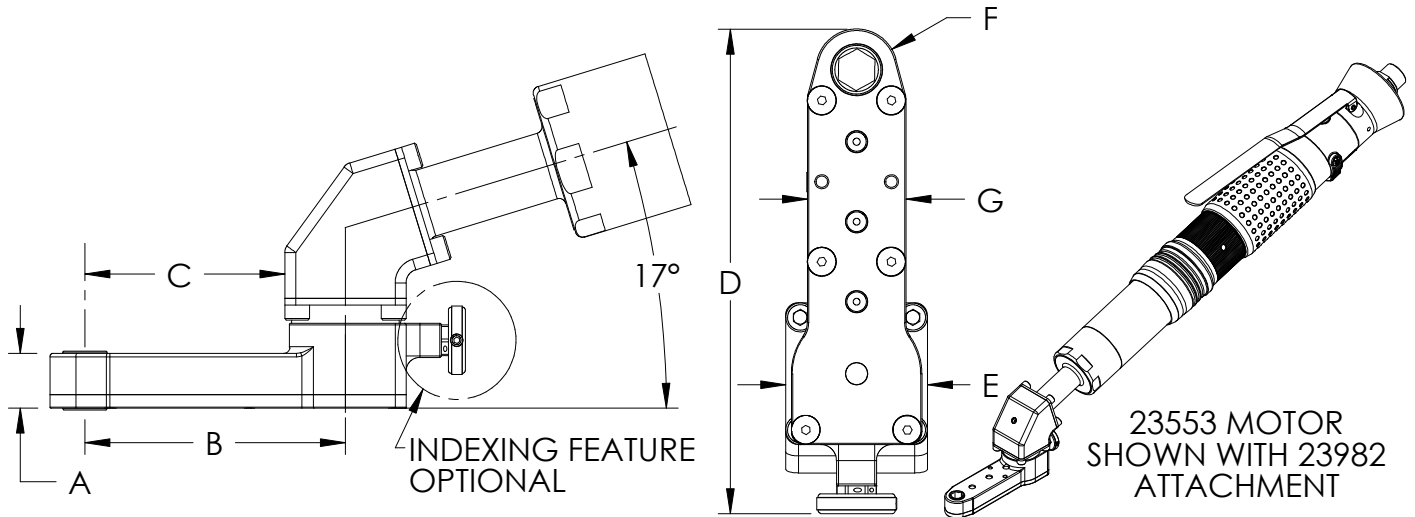
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

17 DEG SERIES 2

44-108 in-lbs / 5.0-12.2 Nm

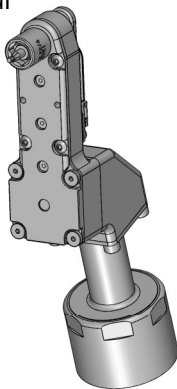


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 210 RPM



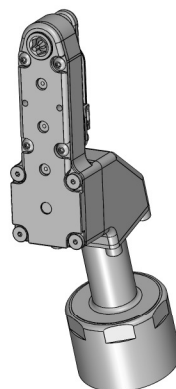
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23976	FIXED	60-108	5	.500 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
23982	INDEXABLE	60-108	5	.500 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
23977	FIXED	44-79	7	.500 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
23983	INDEXABLE	44-79	7	.500 in	3.625 in	3.072 in	5.036 in	1.110 in	.317 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



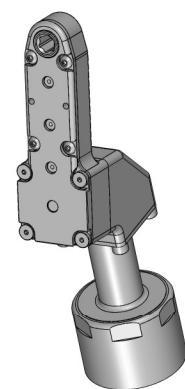
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

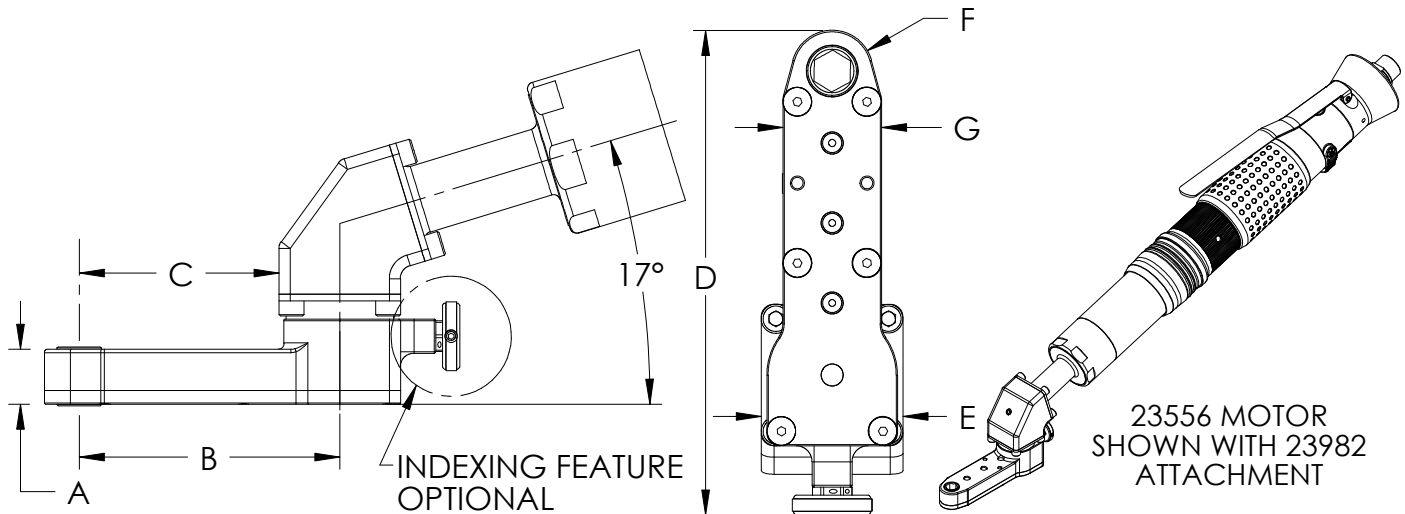
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

17 DEG SERIES 2

73-120 in-lbs / 8.2-13.6 Nm

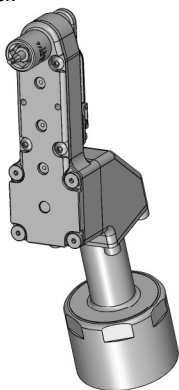


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 160 RPM



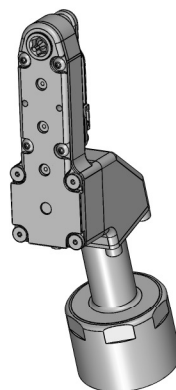
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23976	FIXED	99-120	5	.500 in	2.375 in	1.822 in	3.245 in	1.110 in	.317 in	.770 in
23982	INDEXABLE	99-120	5	.500 in	2.375 in	1.822 in	3.786 in	1.110 in	.317 in	.770 in
23977	FIXED	73-120	7	.500 in	3.625 in	3.072 in	4.495 in	1.110 in	.317 in	.770 in
23983	INDEXABLE	73-120	7	.500 in	3.625 in	3.072 in	5.036 in	1.110 in	.317 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

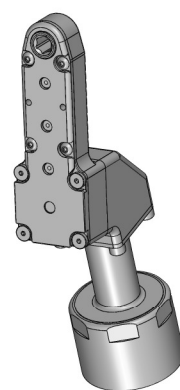
PART NO.	SIZE	TYPE
12467	9/32	SOCKET DRIVER
12468	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH



HEX THRU

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

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

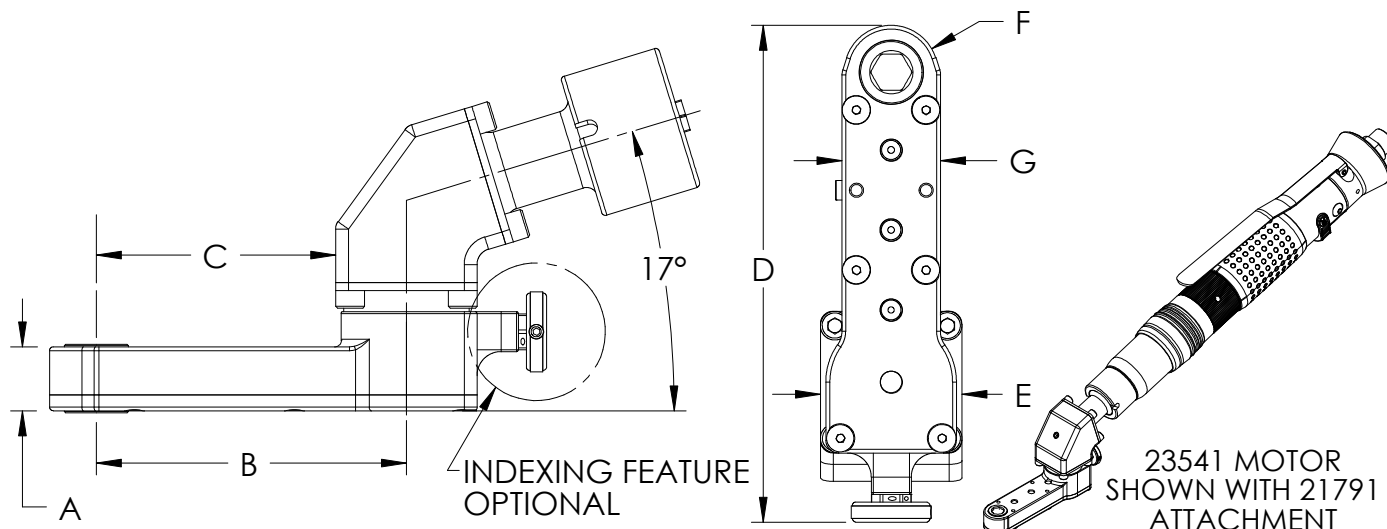
JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

17 DEG SERIES 2

7-27 in-lbs / .8-3.0 Nm

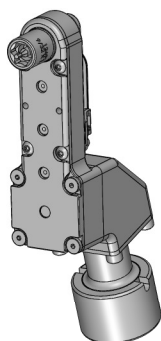


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 380 RPM



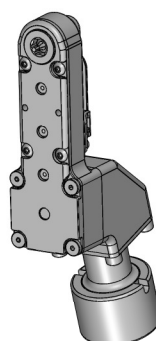
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21779	FIXED	9-27	5	.500 in	2.422 in	1.869 in	3.342 in	1.110 in	.366 in	.770 in
21791	INDEXABLE	9-27	5	.500 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
21780	FIXED	7-20	7	.500 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
21792	INDEXABLE	7-20	7	.500 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



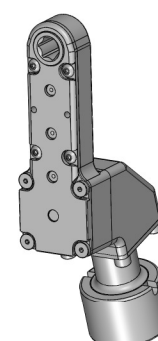
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

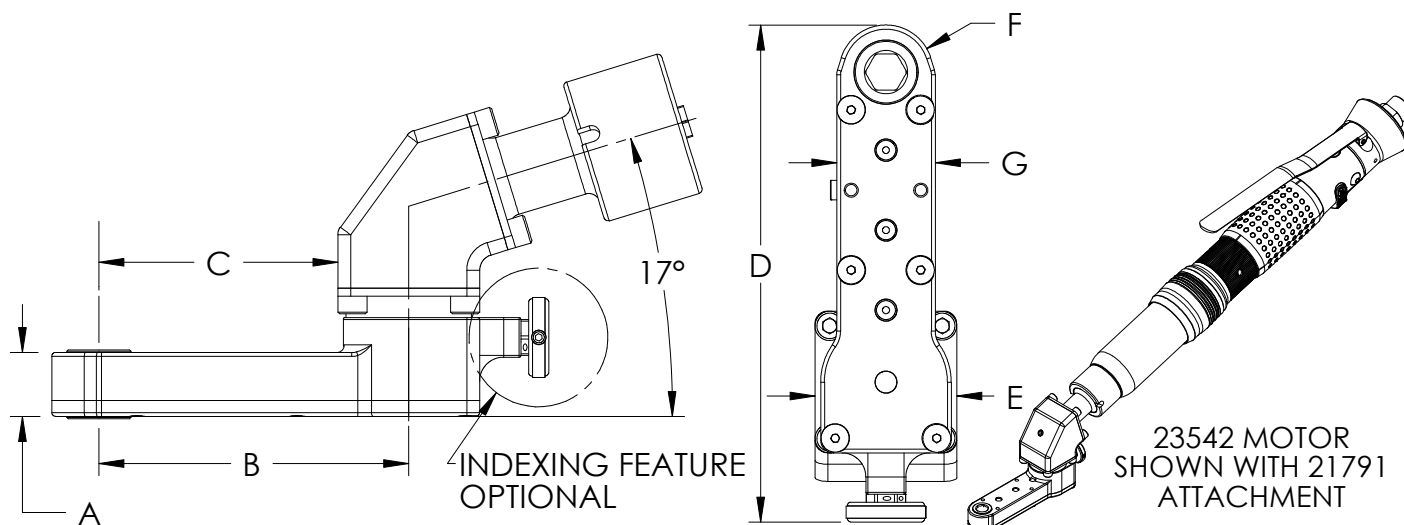
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

17 DEG SERIES 2

15-48 in-lbs / 1.7-5.4 Nm

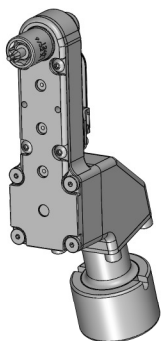


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM



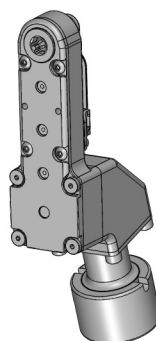
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
21779	FIXED	21-48	5	.500 in	2.422 in	1.869 in	3.342 in	1.110 in	.366 in	.770 in
21791	INDEXABLE	21-48	5	.500 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
21780	FIXED	15-35	7	.500 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
21792	INDEXABLE	15-35	7	.500 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



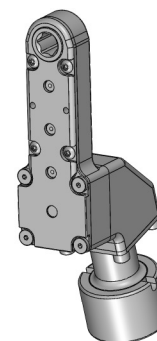
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

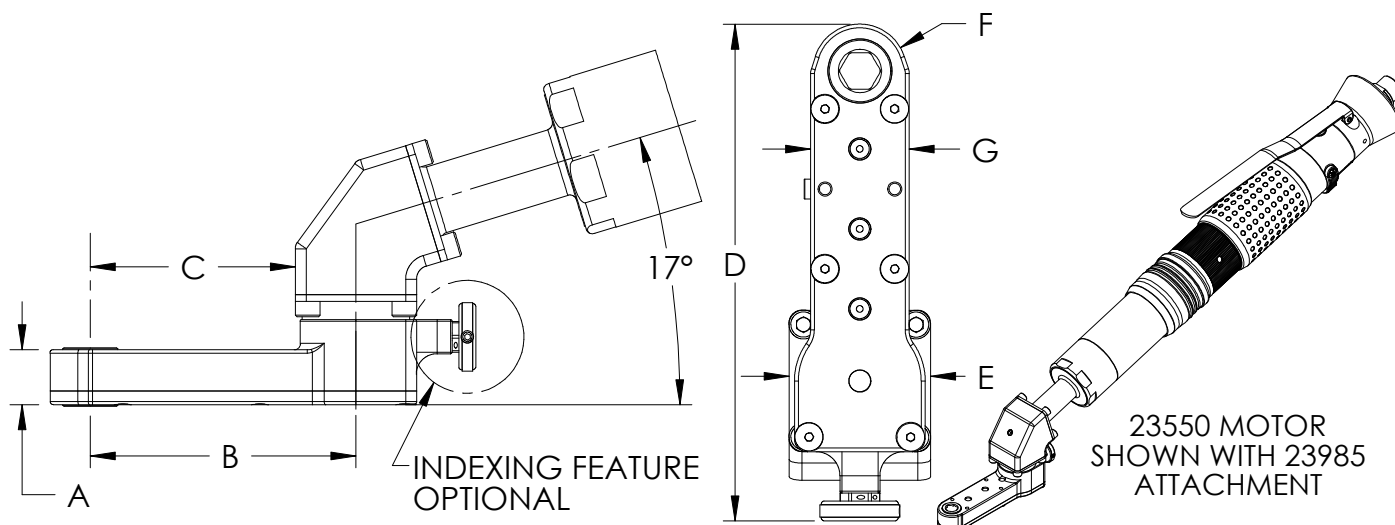
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

17 DEG SERIES 2

31-66 in-lbs / 3.5-7.5 Nm

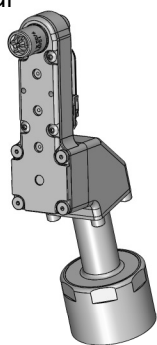


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 300 RPM



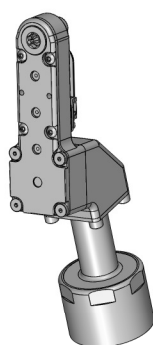
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23979	FIXED	42-66	5	.500 in	2.422 in	1.869 in	3.342 in	1.110 in	.366 in	.770 in
23985	INDEXABLE	42-66	5	.500 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
23980	FIXED	31-48	7	.500 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
23986	INDEXABLE	31-48	7	.500 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



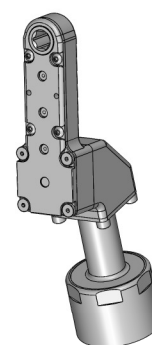
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

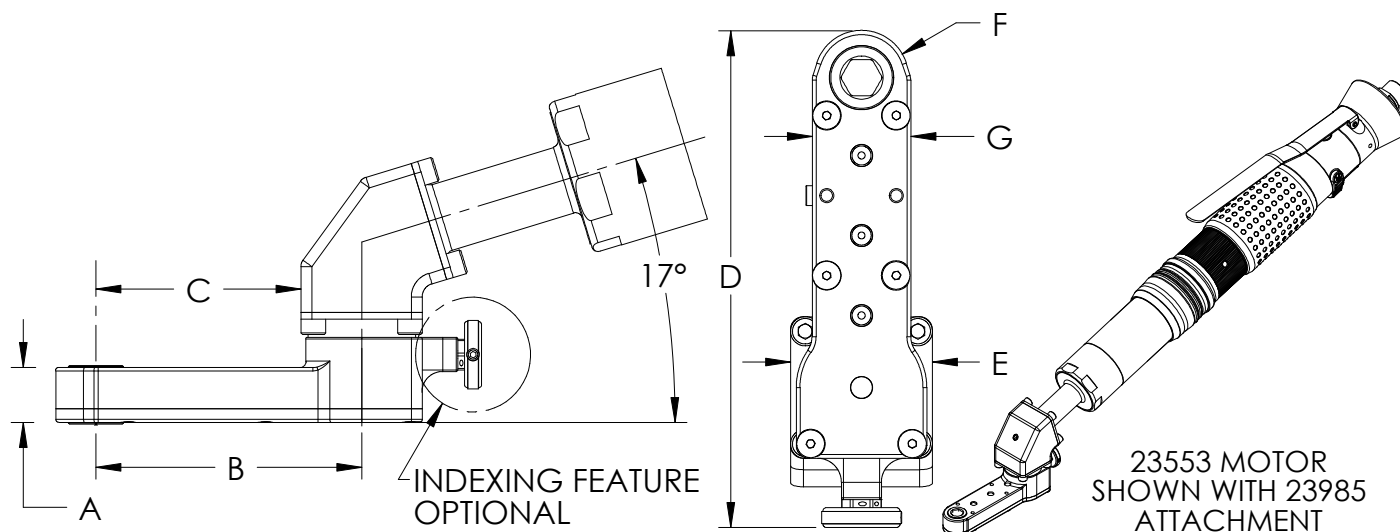
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

17 DEG SERIES 2

44-108 in-lbs / 5.0-12.2 Nm

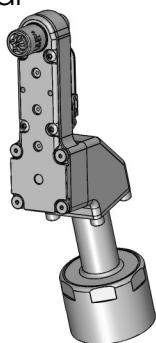


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 210 RPM



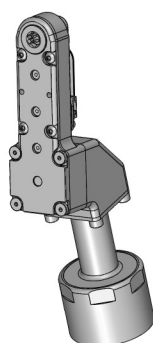
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23979	FIXED	60-108	5	.500 in	2.422 in	1.869 in	3.342 in	1.110 in	.366 in	.770 in
23985	INDEXABLE	60-108	5	.500 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
23980	FIXED	44-79	7	.500 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
23986	INDEXABLE	44-79	7	.500 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



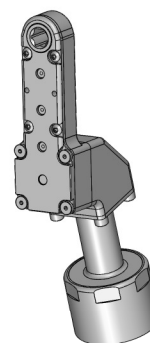
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

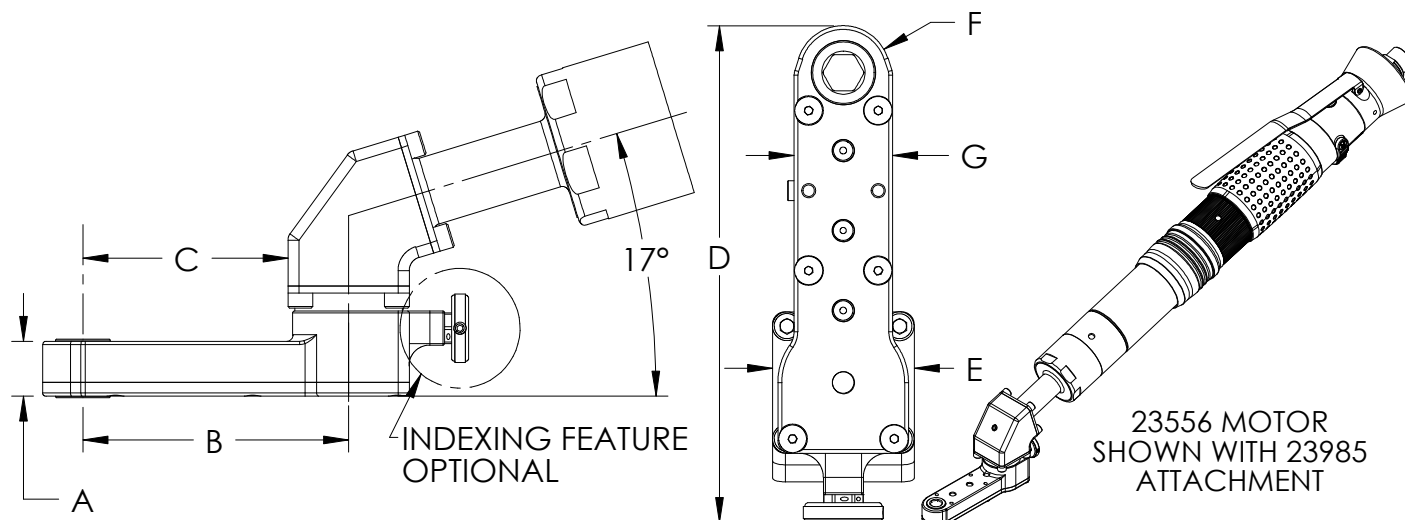
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

17 DEG SERIES 2

73-120 in-lbs / 8.2-13.6 Nm

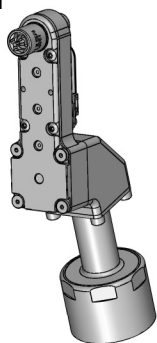


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 160 RPM



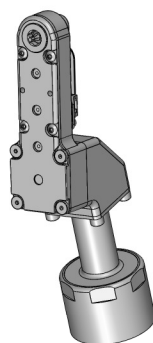
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G
23979	FIXED	99-120	5	.500 in	2.422 in	1.869 in	3.342 in	1.110 in	.366 in	.770 in
23985	INDEXABLE	99-120	5	.500 in	2.422 in	1.869 in	3.882 in	1.110 in	.366 in	.770 in
23980	FIXED	73-120	7	.500 in	3.672 in	3.119 in	4.591 in	1.110 in	.366 in	.770 in
23986	INDEXABLE	73-120	7	.500 in	3.672 in	3.119 in	5.132 in	1.110 in	.366 in	.770 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

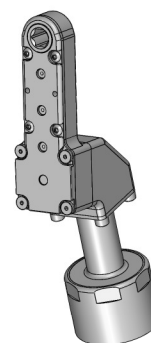
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

JIFFY TORQUE KEYS FLUSH

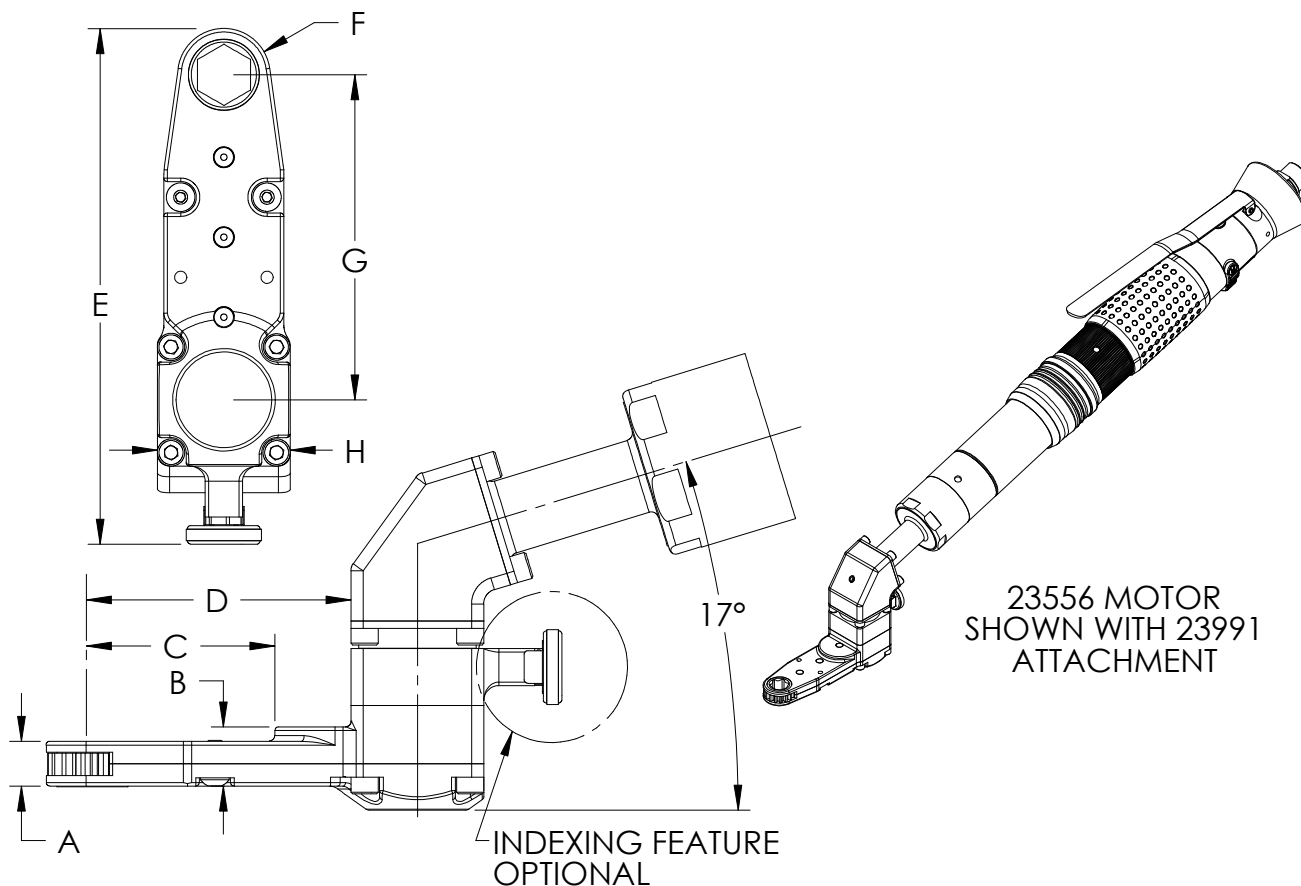
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

17 DEG RAT

73-160 in-lbs / 8.2-18.1 Nm



17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.385 inch / 9.8 mm NOSE RADIUS - 160 RPM



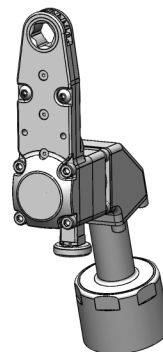
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F	G	H
23988	FIXED	99-160	5	.374 in	.495 in	1.521 in	2.155 in	3.646 in	.385 in	2.708 in	1.110 in
23991	INDEXABLE	99-160	5	.374 in	.495 in	1.521 in	2.155 in	4.297 in	.385 in	2.708 in	1.110 in
23989	FIXED	73-132	7	.374 in	.495 in	1.521 in	3.489 in	4.980 in	.385 in	4.042 in	1.110 in
23992	INDEXABLE	73-132	7	.374 in	.495 in	1.521 in	3.489 in	5.631 in	.385 in	4.042 in	1.110 in

Nose Gear Selection

HEX THRU

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

PART NO.	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	11/32	HEX THRU
18076	3/8	HEX THRU
17929	7/16	HEX THRU

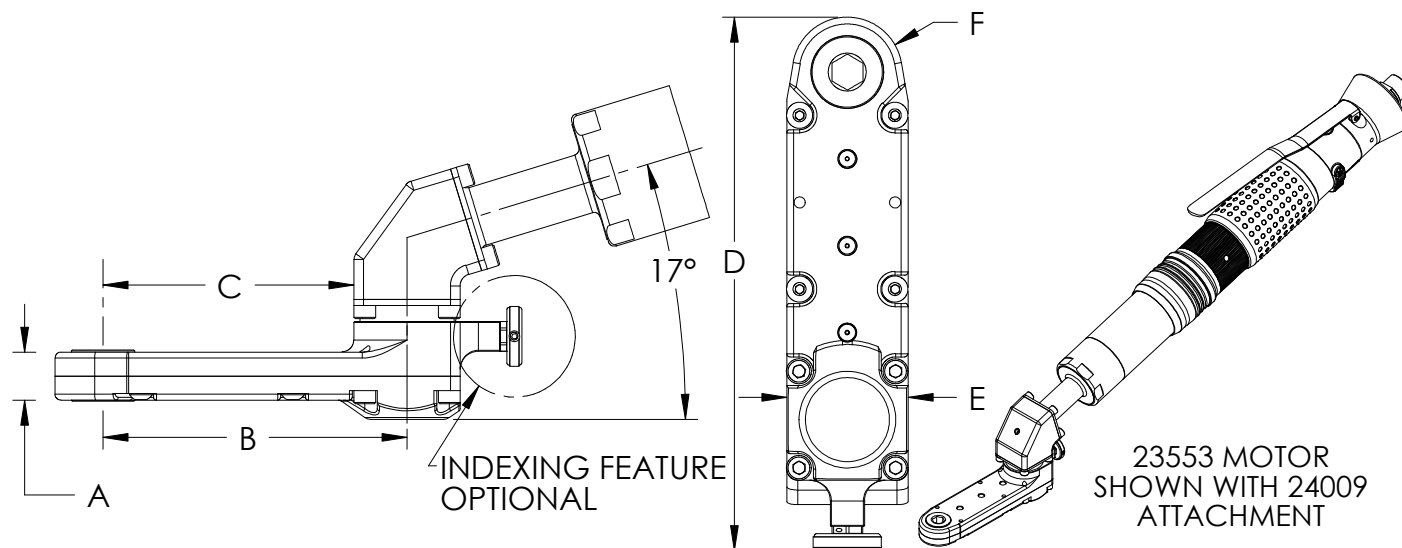


17 DEG SERIES 3

44-108 in-lbs / 5.0-12.2 Nm

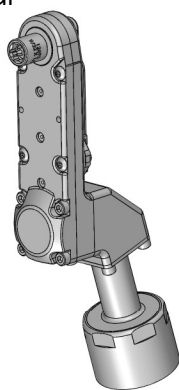


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.500 inch / 12.7 mm NOSE RADIUS - 210 RPM



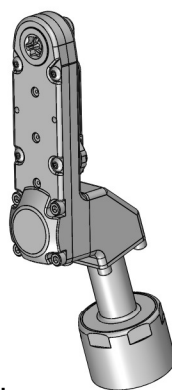
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F
24003	FIXED	60-108	5	.500 in	3.168 in	2.615 in	4.221 in	1.110 in	.500 in
24009	INDEXABLE	60-108	5	.500 in	3.168 in	2.615 in	4.863 in	1.110 in	.500 in
24004	FIXED	44-79	7	.500 in	4.752 in	4.199 in	5.805 in	1.110 in	.500 in
24010	INDEXABLE	44-79	7	.500 in	4.752 in	4.199 in	6.447 in	1.110 in	.500 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 3 Sockets.

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



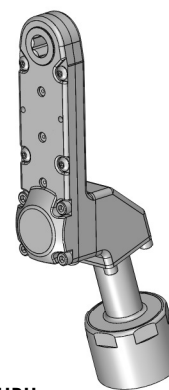
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 3 table.

PART NO.	SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

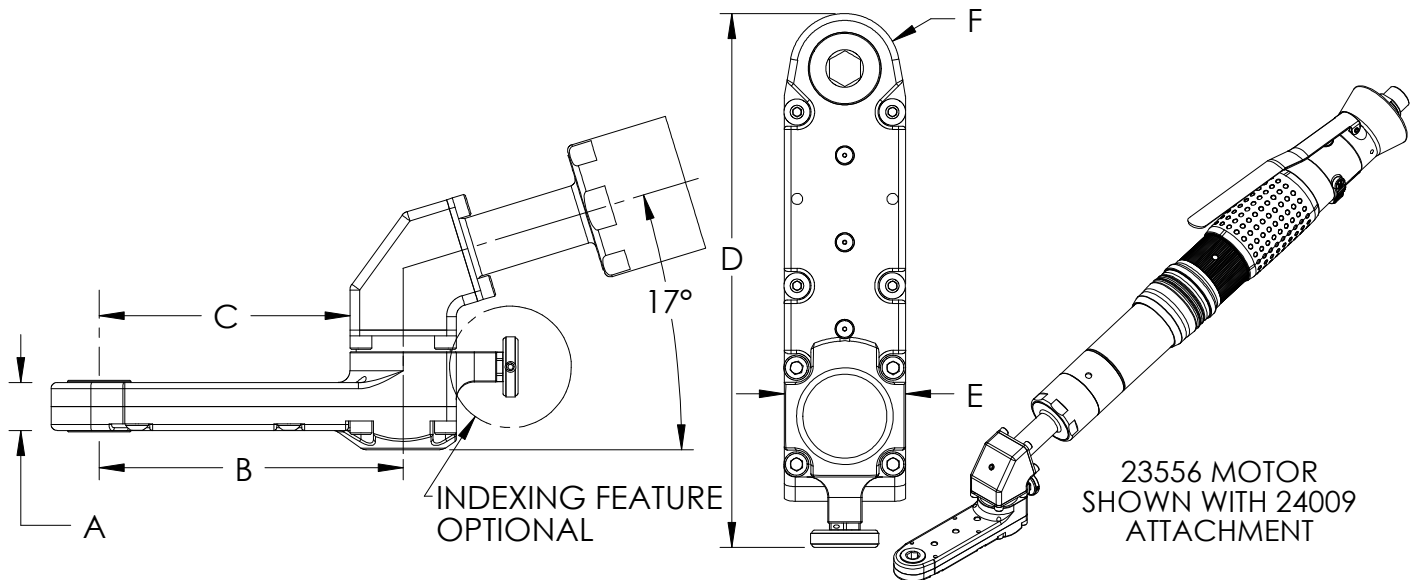
PART NO.	SIZE	TYPE
16039	5/16	HEX THRU
15892	11/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU

17 DEG SERIES 3

73-180 in-lbs / 8.2-20.3 Nm

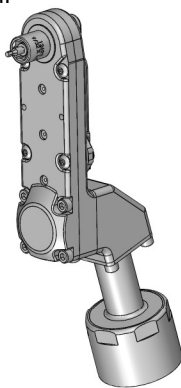


17 DEG TORQUE TOOLS FOR TORQUE NUT APPLICATIONS
.500 inch / 12.7 mm NOSE RADIUS - 160 RPM



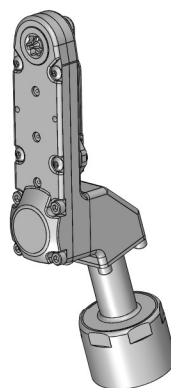
ATTACHMENT	TYPE	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	A	B	C	D	E	F
24003	FIXED	99-180	5	.500 in	3.168 in	2.615 in	4.221 in	1.110 in	.500 in
24009	INDEXABLE	99-180	5	.500 in	3.168 in	2.615 in	4.863 in	1.110 in	.500 in
24004	FIXED	73-132	7	.500 in	4.752 in	4.199 in	5.805 in	1.110 in	.500 in
24010	INDEXABLE	73-132	7	.500 in	4.752 in	4.199 in	6.447 in	1.110 in	.500 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 3 Sockets.

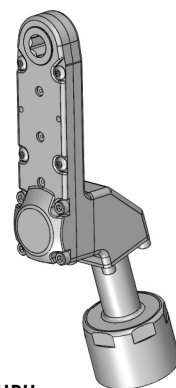
PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ DRIVE MALE
20748	3/8	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 3 table.

PART NO.	SIZE	TYPE
16038	5/16	HEX FLUSH
15891	7/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH



HEX THRU

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

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

JIFFY TORQUE KEYS FLUSH

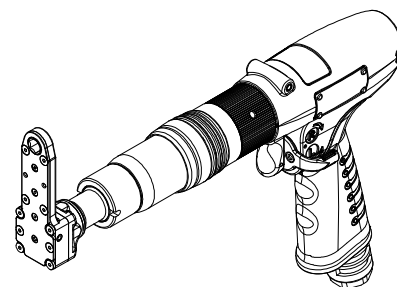
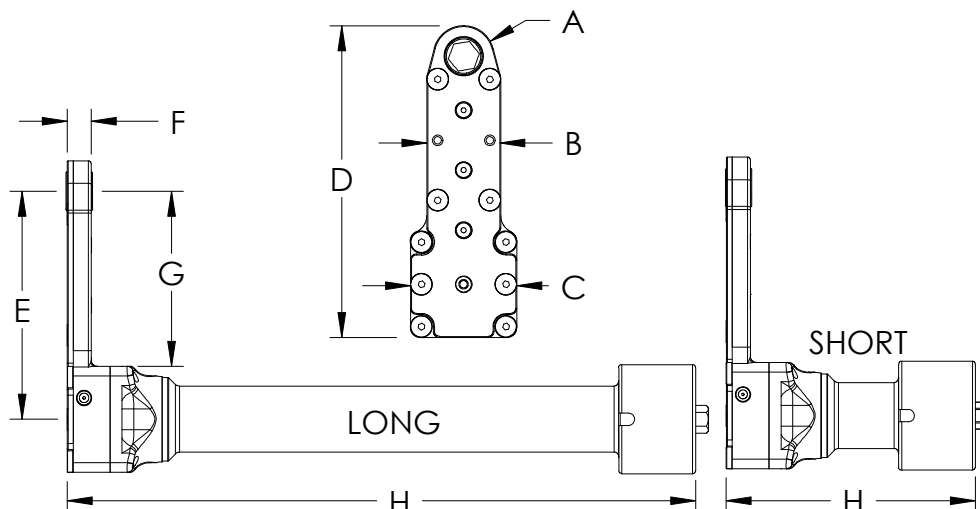
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 1

8-31 in-lbs / .9-3.5 Nm



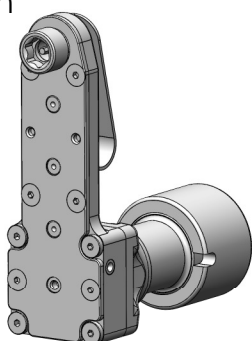
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM



23571 MOTOR SHOWN
WITH 22273 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22272	10-31	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.250 in	1.822 in	6.546 in
22273	10-31	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.250 in	1.822 in	2.596 in
22274	8-23	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.250 in	3.072 in	6.681 in
22275	8-23	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.250 in	3.072 in	2.731 in

Nose Gear Selection

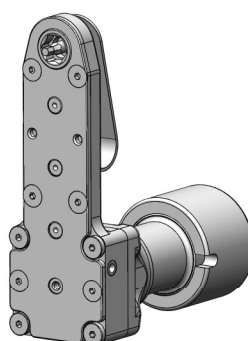


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

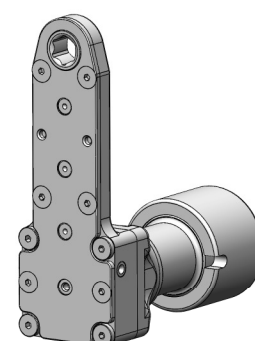
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64
PART NO.	18937	18938
		18939



HEX THRU

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

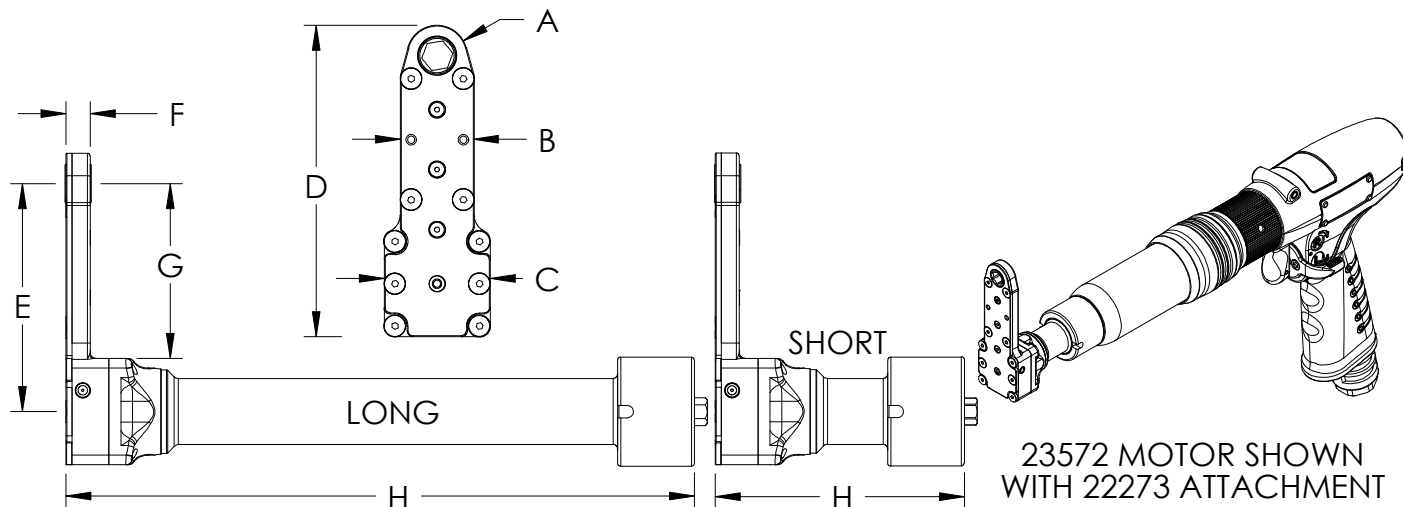
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

LTI SERIES 1

18-54 in-lbs / 2.0-6.1 Nm



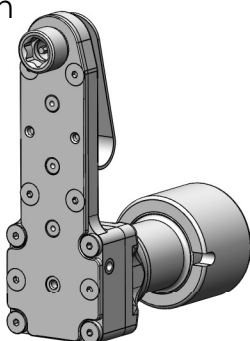
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM



23572 MOTOR SHOWN
WITH 22273 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22272	24-54	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.250 in	1.822 in	6.546 in
22273	24-54	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.250 in	1.822 in	2.596 in
22274	18-42	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.250 in	3.072 in	6.681 in
22275	18-42	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.250 in	3.072 in	2.731 in

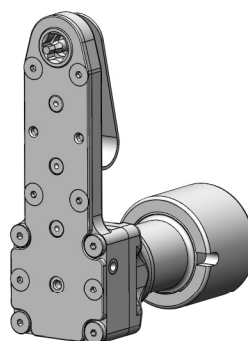
Nose Gear Selection



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

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

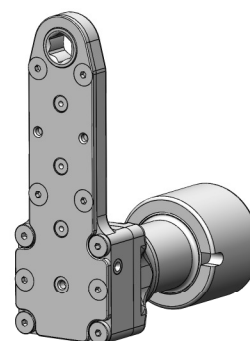
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

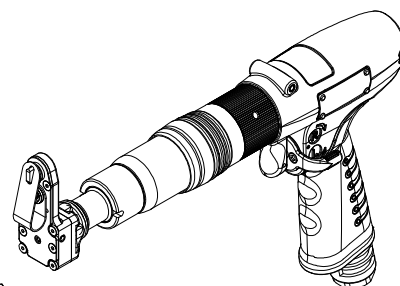
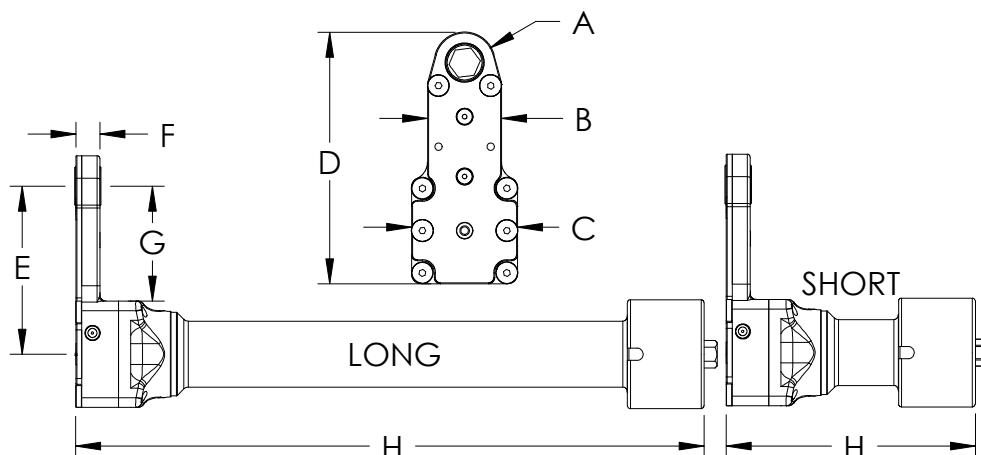
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

LTI SERIES 1

9-34 in-lbs / 1.0-3.8 Nm



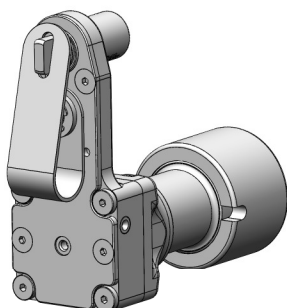
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



23571 MOTOR SHOWN
WITH 22271 ATTACHMENT
-BACK DRIVE ONLY-

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22270	11-34	4	LONG	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.251 in	1.198 in	6.546 in
22271	11-34	4	SHORT	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.251 in	1.198 in	2.596 in
25968	9-27	6	LONG	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.251 in	2.447 in	6.681 in
25969	9-27	6	SHORT	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.251 in	2.447 in	2.731 in

Nose Gear Selection

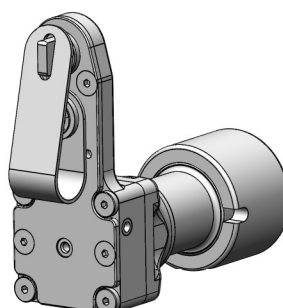


The **SOCKET DRIVER** will adapt the attachment to accept Series 1 Sockets. Order with or without the Jiffy Key System.

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

* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS

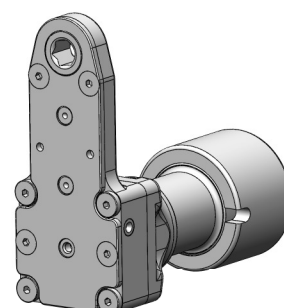
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

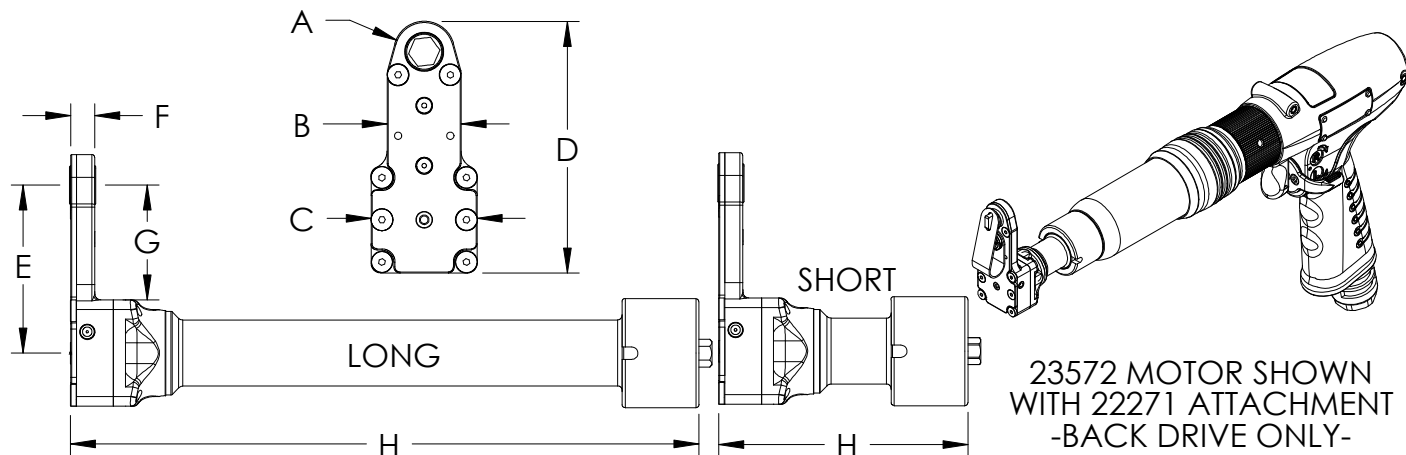
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

LTI SERIES 1

21-61 in-lbs / 2.4-6.9 Nm

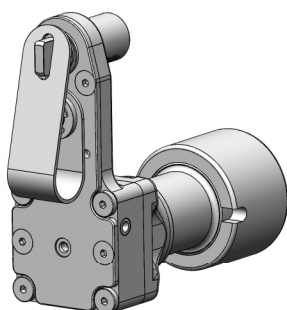


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22270	27-61	4	LONG	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.250 in	1.198 in	6.546 in
22271	27-61	4	SHORT	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.250 in	1.198 in	2.596 in
25968	21-48	6	LONG	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.250 in	2.447 in	6.681 in
25969	21-48	6	SHORT	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.250 in	2.447 in	2.731 in

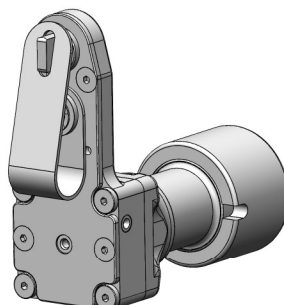
Nose Gear Selection



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

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

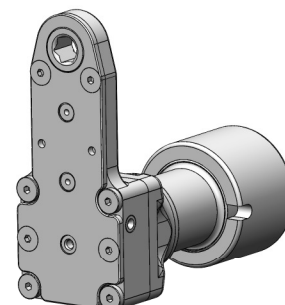
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
 ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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
* 20400	7/32	HEX FLUSH
* 20069	1/4	HEX FLUSH
* 20402	9/32	HEX FLUSH
JIFFY TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

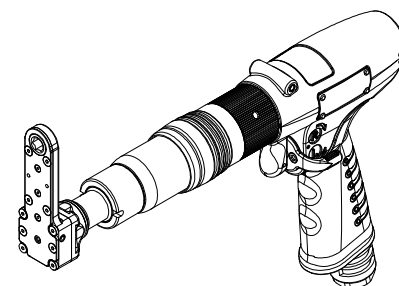
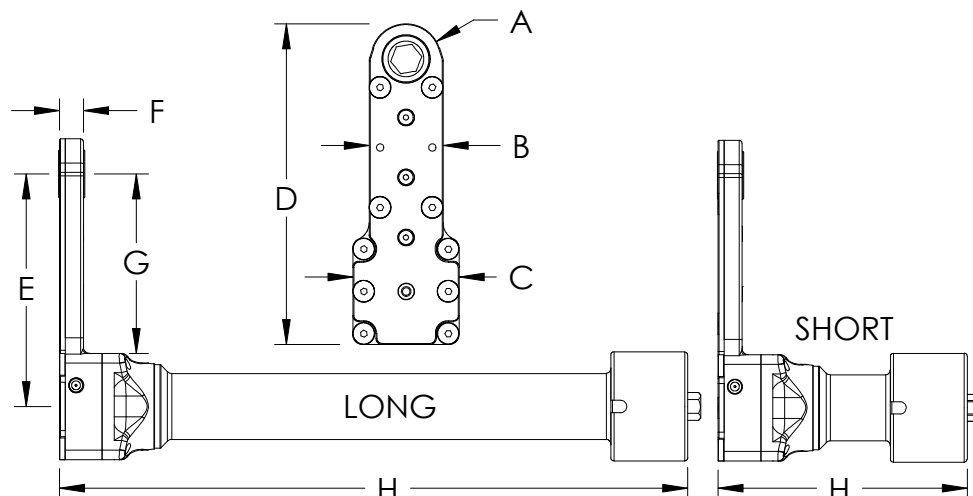
PART NO.	SIZE	TYPE
12657	7/32	HEX THRU
13187	1/4	HEX THRU
13188	9/32	HEX THRU

LTI SERIES 1

8-31 in-lbs / .9-3.5 Nm



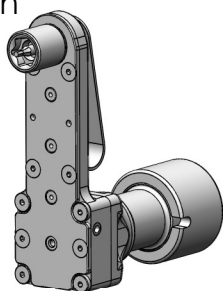
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM



23571 MOTOR SHOWN
WITH 22285 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22284	10-31	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.250 in	1.869 in	6.546 in
22285	10-31	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.250 in	1.869 in	2.596 in
22286	8-23	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.250 in	3.119 in	6.681 in
22287	8-23	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.250 in	3.119 in	2.731 in

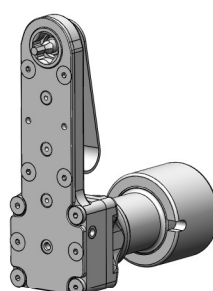
Nose Gear Selection



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

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

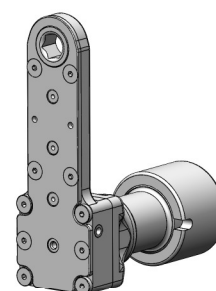
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

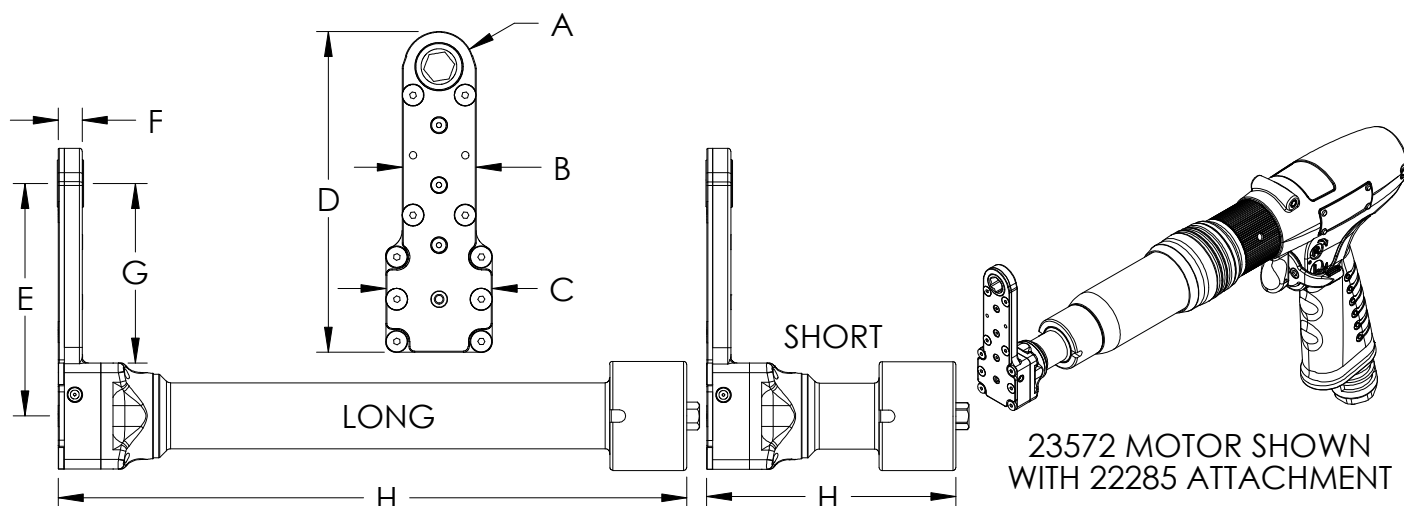
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

LTI SERIES 1

18-54 in-lbs / 2.0-6.1 Nm



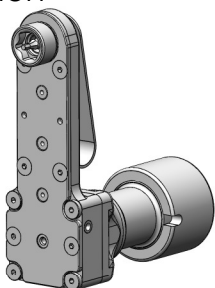
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM



23572 MOTOR SHOWN
WITH 22285 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22284	24-54	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.250 in	1.869 in	6.546 in
22285	24-54	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.250 in	1.869 in	2.596 in
22286	18-42	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.250 in	3.119 in	6.681 in
22287	18-42	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.250 in	3.119 in	2.731 in

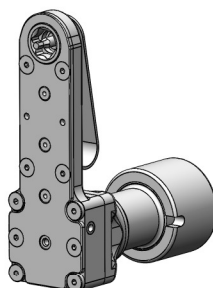
Nose Gear Selection



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

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

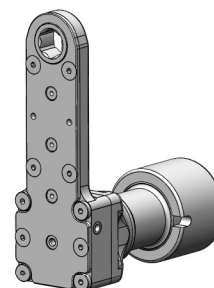
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

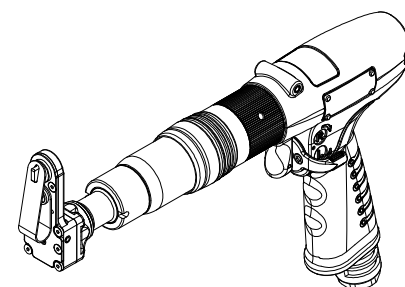
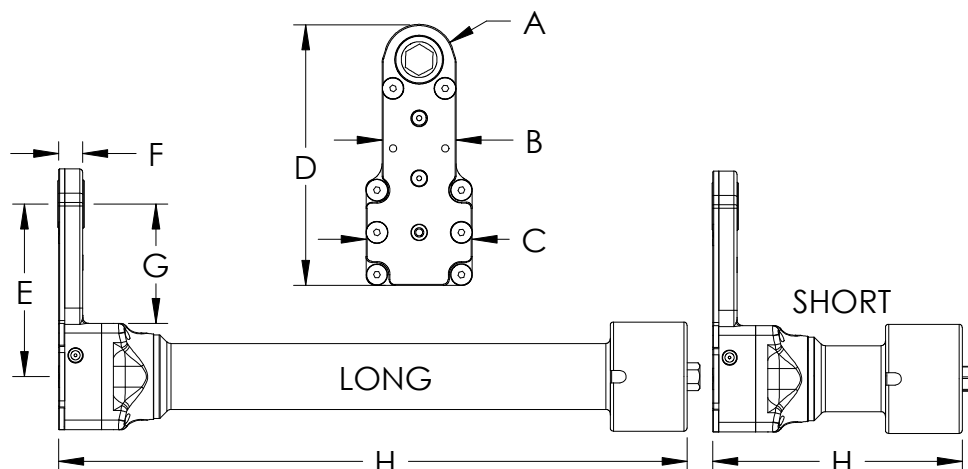
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

LTI SERIES 1

9-34 in-lbs / 1.0-3.8 Nm



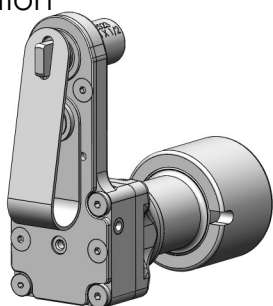
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



23571 MOTOR SHOWN
WITH 22283 ATTACHMENT
-BACK DRIVE ONLY-

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22282	11-34	4	LONG	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.250 in	1.244 in	6.546 in
22283	11-34	4	SHORT	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.250 in	1.244 in	2.599 in
25970	9-27	6	LONG	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.250 in	2.244 in	6.681 in
25971	9-27	6	SHORT	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.250 in	2.244 in	2.704 in

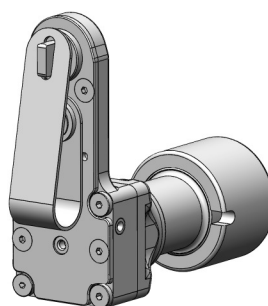
Nose Gear Selection



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

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

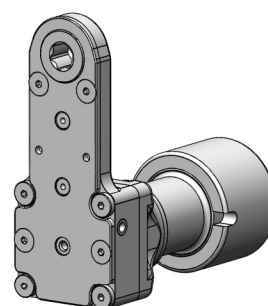
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

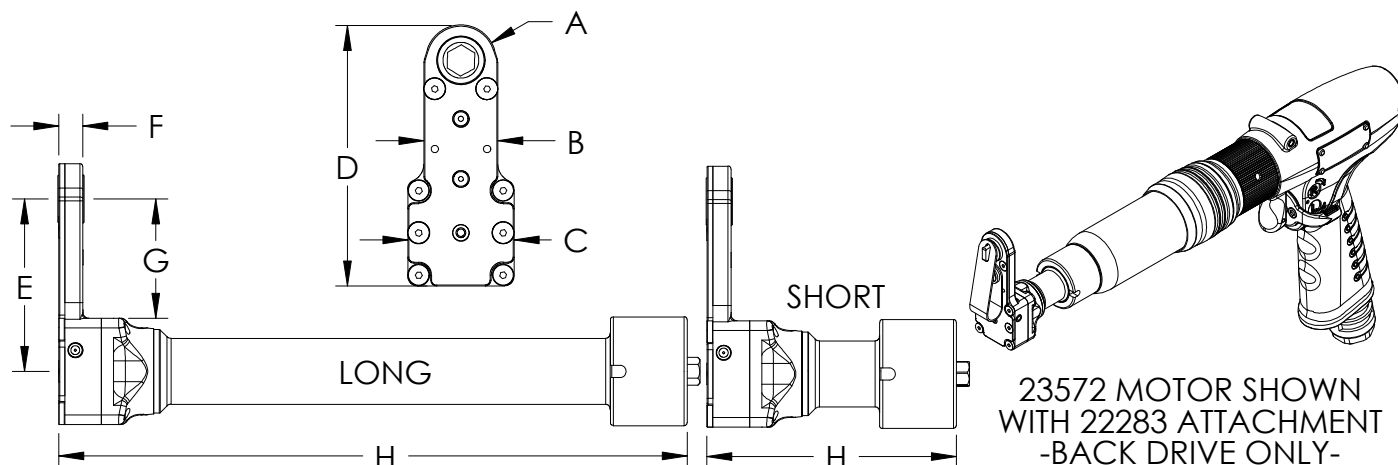
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

LTI SERIES 1

21-61 in-lbs / 2.4-6.9 Nm

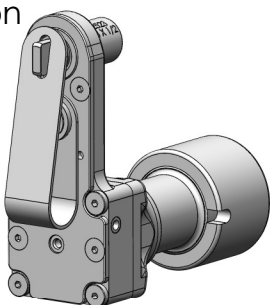


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22282	27-61	4	LONG	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.250 in	1.244 in	6.546 in
22283	27-61	4	SHORT	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.250 in	1.244 in	2.599 in
25970	21-48	6	LONG	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.250 in	2.244 in	6.681 in
25971	21-48	6	SHORT	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.250 in	2.244 in	2.704 in

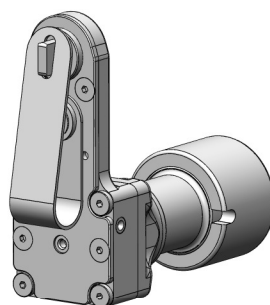
Nose Gear Selection



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

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

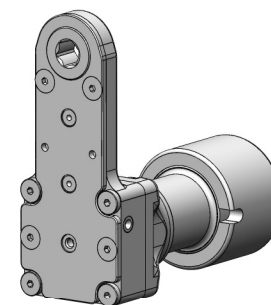
* NO KEY CONTROL ASSEMBLY NEEDED IF HOLE PREPARATION REQUIRES INTERFERENCE FIT OF BOLTS OR PINS
 ADD A "U" TO THE END OF THE ATTACHMENT NUMBER IF NO KEY CONTROL IS REQUIRED



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 TORQUE KEYS FLUSH		
KEY HEX	1/16	5/64 3/32
PART NO.	18937	18938 18939



HEX THRU

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

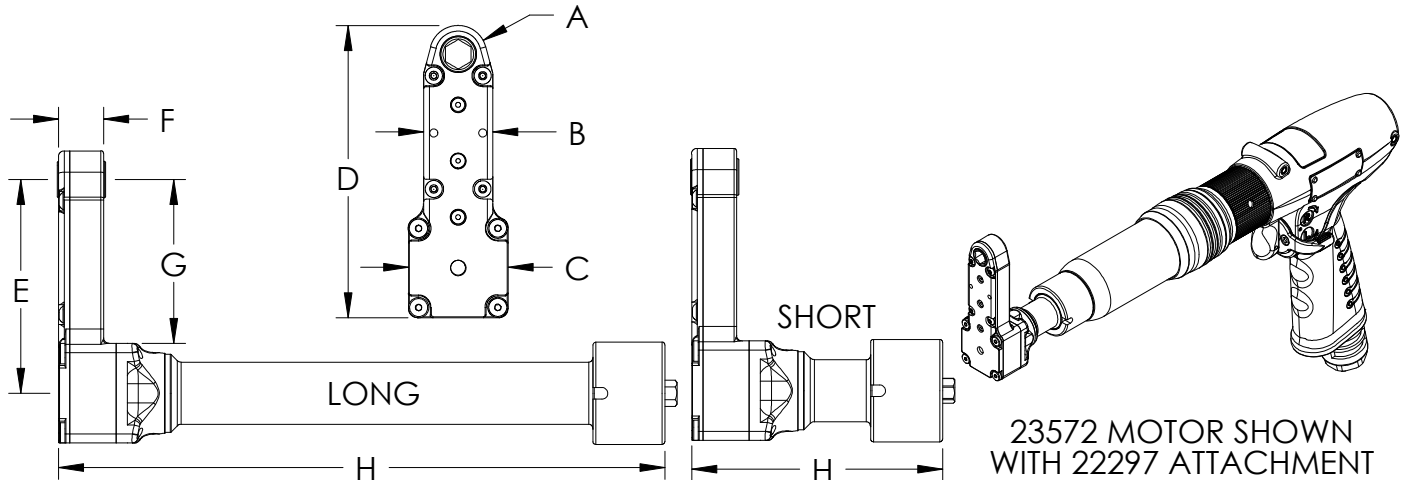
PART NO.	SIZE	TYPE
20477	7/32	HEX THRU
20478	1/4	HEX THRU
15466	9/32	HEX THRU
15467	5/16	HEX THRU
15468	11/32	HEX THRU

LTI SERIES 2

18-54 in-lbs / 2.0-6.1 Nm

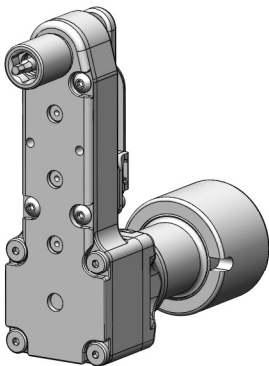


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM



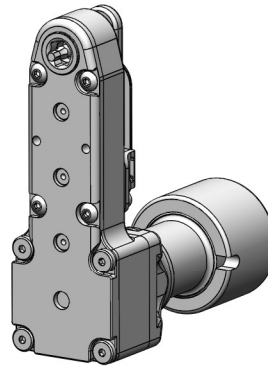
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22296	24-54	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	6.863 in
22297	24-54	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	2.788 in
22298	18-42	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	6.863 in
22299	18-42	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	2.788 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

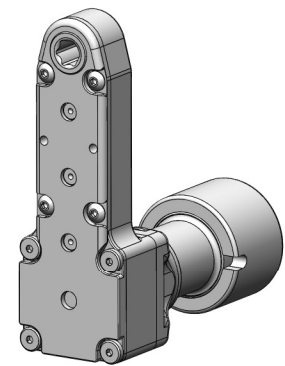


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

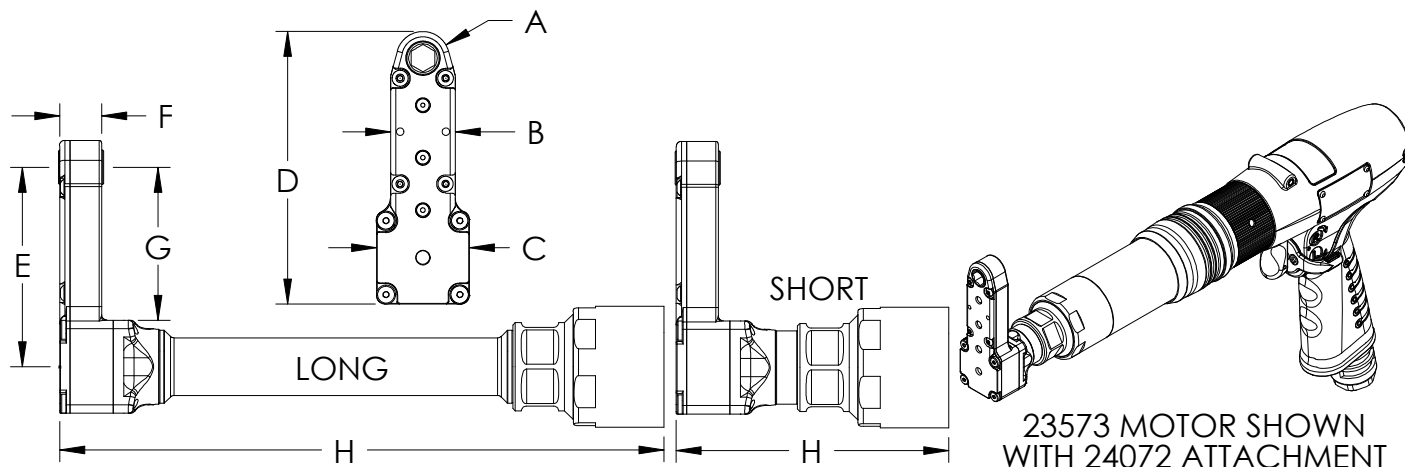
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

36-75 in-lbs / 4.1-8.5 Nm

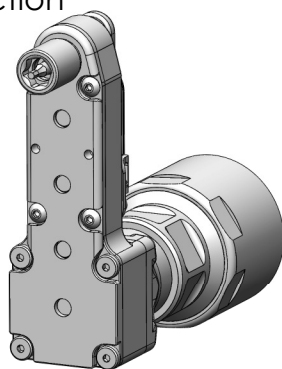


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 310 RPM



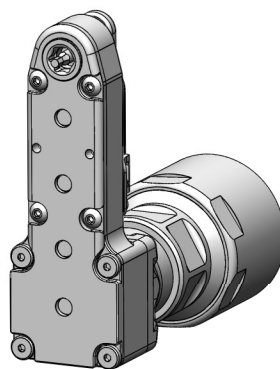
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
24077	48-75	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	7.194 in
24072	48-75	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	3.244 in
24078	36-57	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	7.319 in
24073	36-57	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

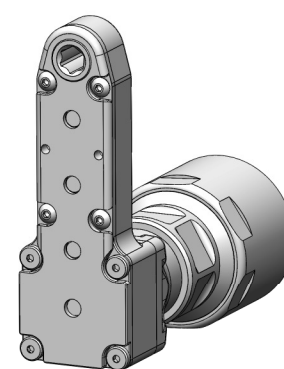


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

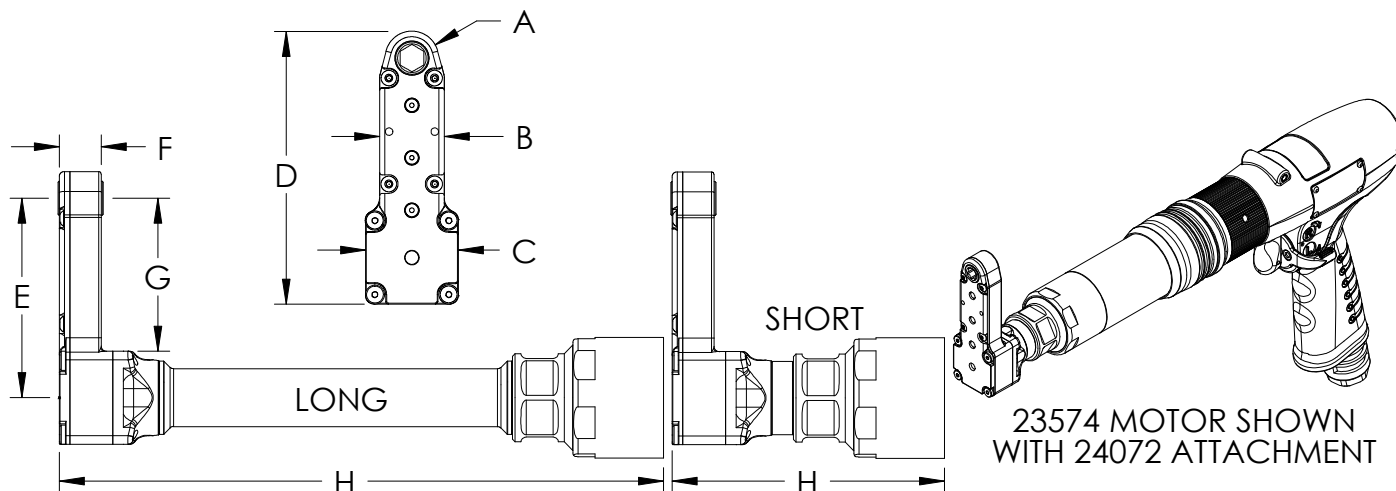
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

52-120 in-lbs / 5.9-13.6 Nm

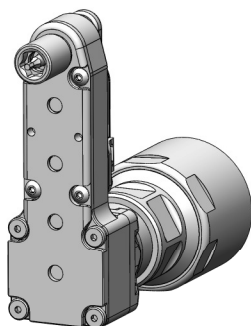


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 220 RPM



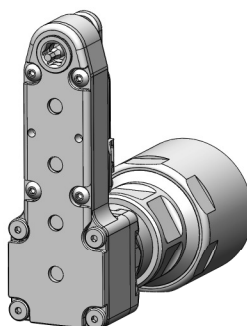
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
24077	68-120	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	7.194 in
24072	68-120	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	3.244 in
24078	52-94	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	7.319 in
24073	52-94	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



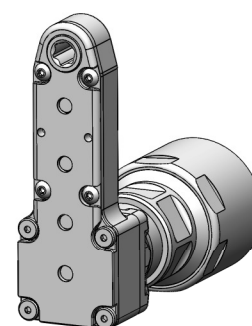
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

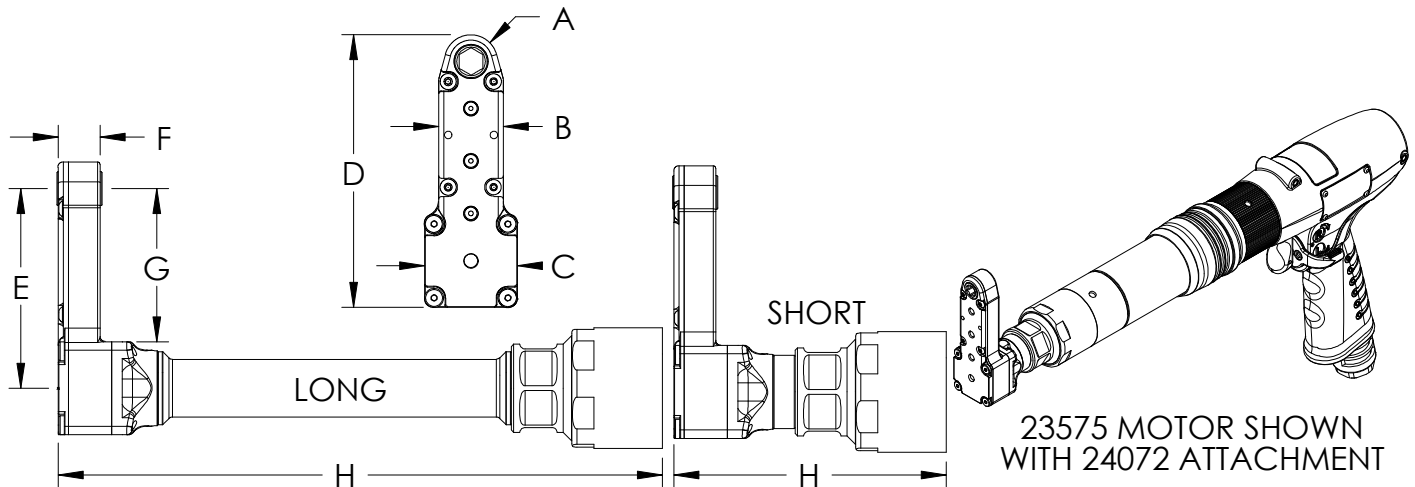
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

86-120 in-lbs / 9.7-13.6 Nm

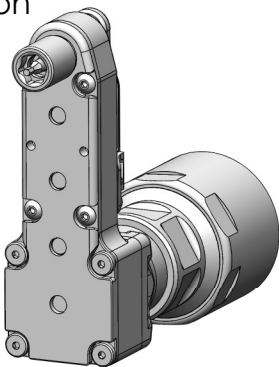


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 160 RPM



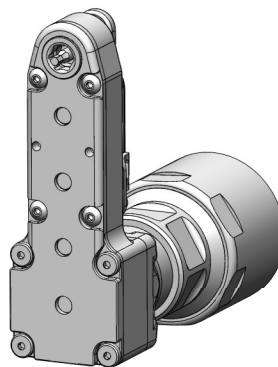
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
24077	112-120	5	LONG	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	7.194 in
24072	112-120	5	SHORT	.317 in	.770 in	1.110 in	3.245 in	2.375 in	.500 in	1.822 in	3.244 in
24078	86-120	7	LONG	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	7.319 in
24073	86-120	7	SHORT	.317 in	.770 in	1.110 in	4.495 in	3.625 in	.500 in	3.072 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

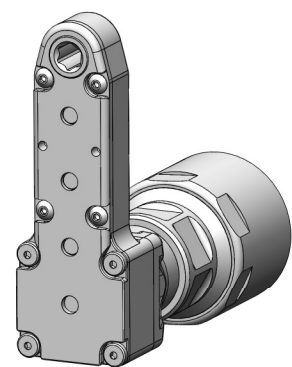


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

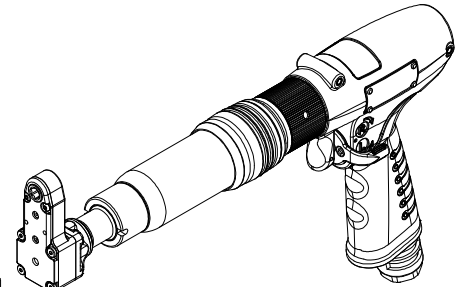
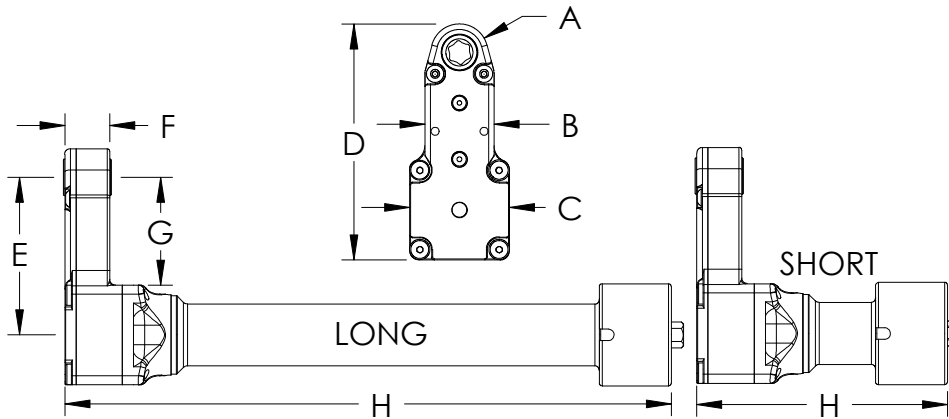
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

21-61 in-lbs / 2.4-6.9 Nm



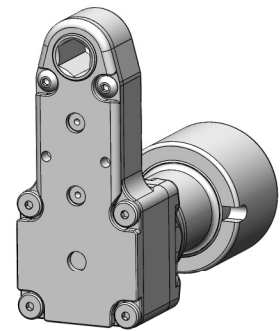
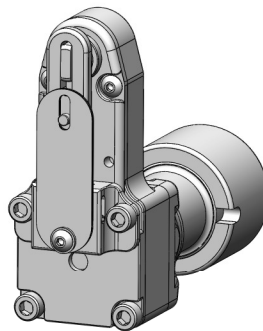
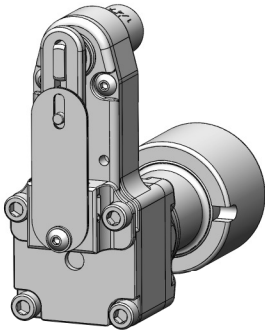
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



**23572 MOTOR SHOWN
WITH 22295 ATTACHMENT
-BACK DRIVE ONLY-**

ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22294	27-61	4	LONG	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	6.739 in
22295	27-61	4	SHORT	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	2.789 in
25972	21-48	6	LONG	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	6.864 in
25973	21-48	6	SHORT	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	2.914 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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 Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

HEX THRU

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

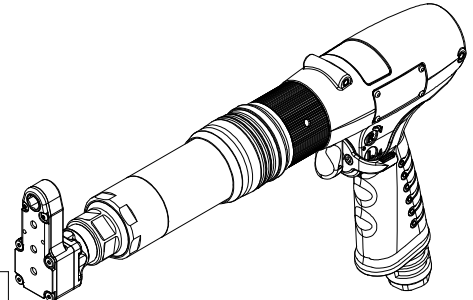
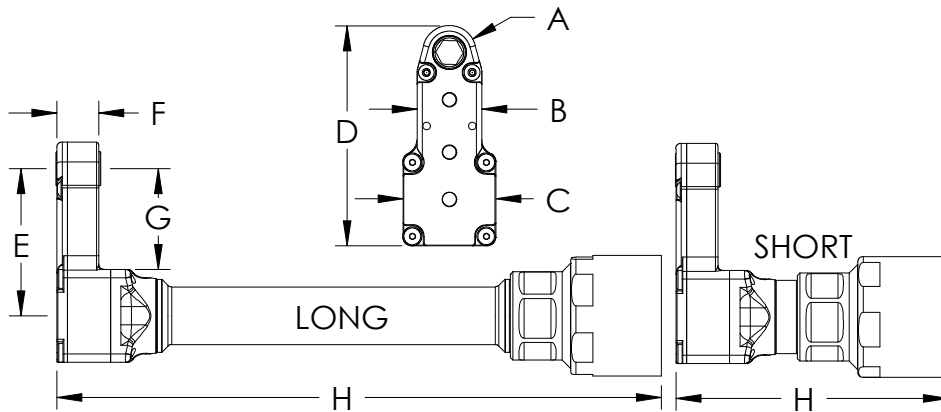
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

42-84 in-lbs / 4.7-9.5 Nm



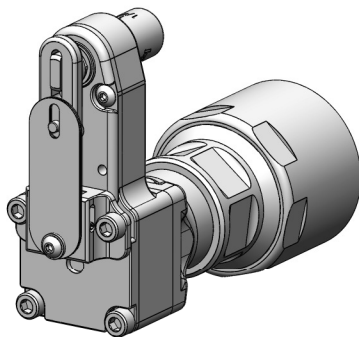
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 310 RPM
FOR BACKDRIVE APPLICATION



**23573 MOTOR SHOWN
WITH 25975 ATTACHMENT
-BACK DRIVE ONLY-**

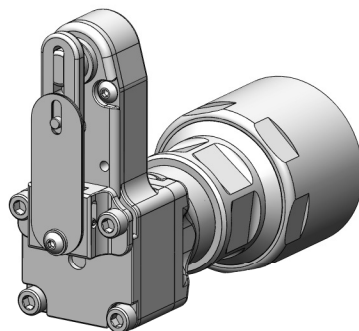
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
25974	53-84	4	LONG	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	6.739 in
25975	53-84	4	SHORT	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	2.789 in
25976	42-66	6	LONG	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	6.864 in
25977	42-66	6	SHORT	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	2.914 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

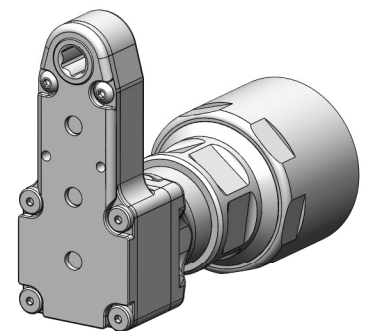


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

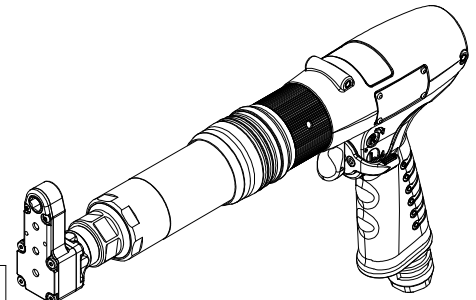
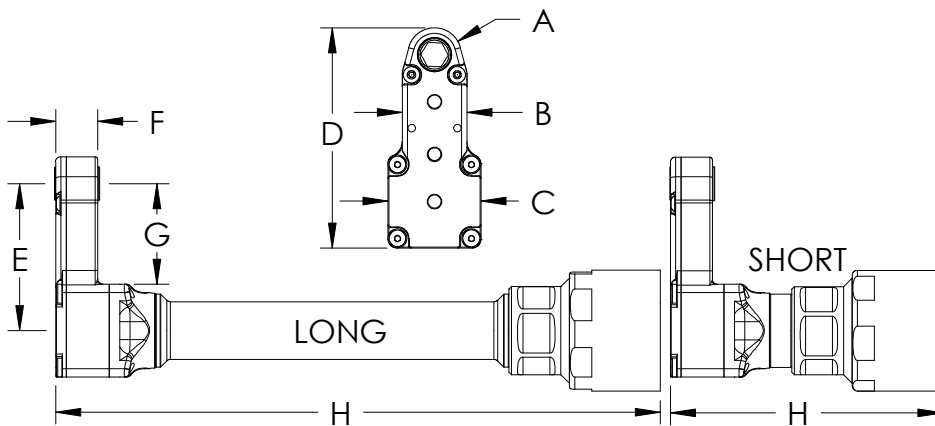
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

60-120 in-lbs / 6.8-13.6 Nm



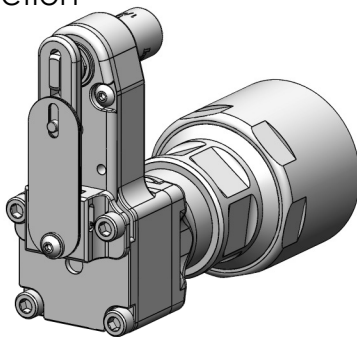
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.317 inch / 8.1 mm NOSE RADIUS - 220 RPM
FOR BACKDRIVE APPLICATION



23574 MOTOR SHOWN
WITH 25975 ATTACHMENT
-BACK DRIVE ONLY-

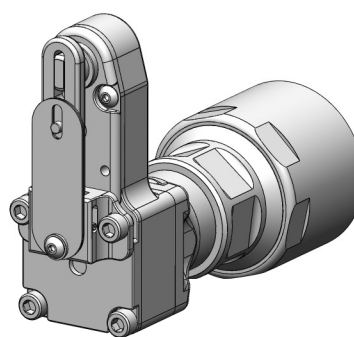
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
25974	76-120	4	LONG	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	7.197 in
25975	76-120	4	SHORT	.317 in	.770 in	1.110 in	2.620 in	1.750 in	.500 in	1.197 in	3.244 in
25976	60-108	6	LONG	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	7.319 in
25977	60-108	6	SHORT	.317 in	.770 in	1.110 in	3.870 in	3.000 in	.500 in	2.447 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

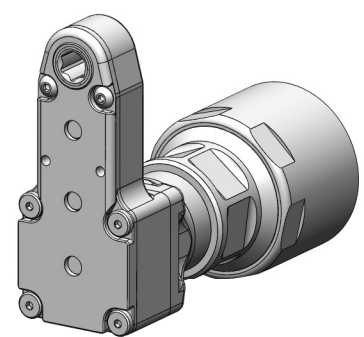


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and key from the Series 2 table.

PART NO.	SIZE	TYPE
12469	7/32	HEX FLUSH
12470	1/4	HEX FLUSH
12471	9/32	HEX FLUSH

JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

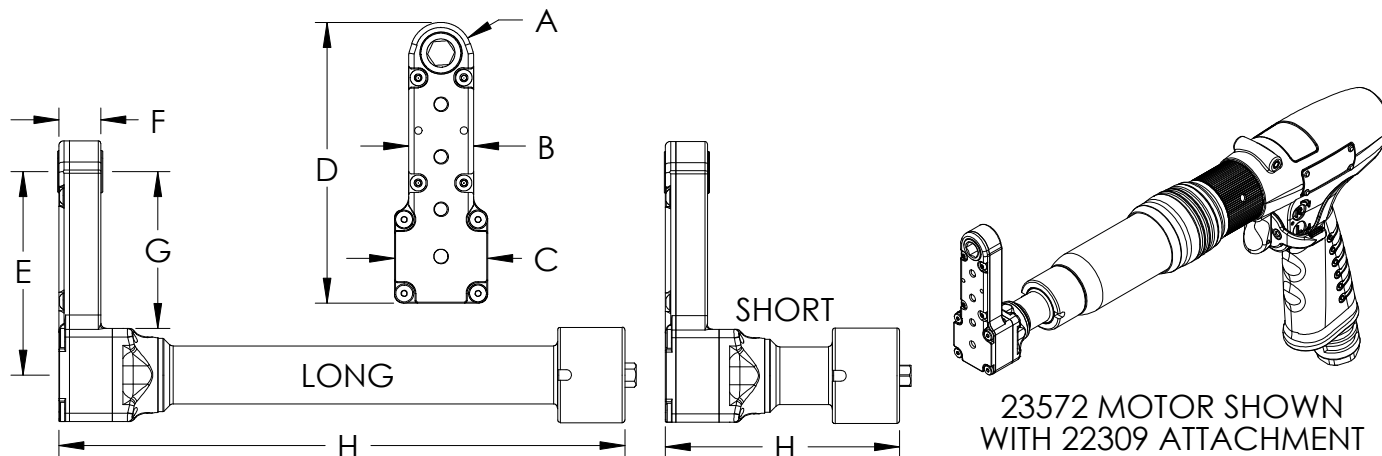
PART NO.	SIZE	TYPE
12475	7/32	HEX THRU
12476	1/4	HEX THRU
12477	9/32	HEX THRU

LTI SERIES 2

18-54 in-lbs / 2.0-6.1 Nm

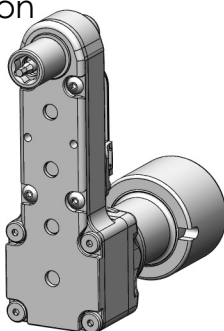


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM



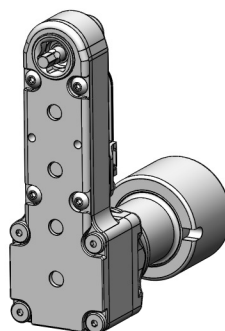
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22308	24-54	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	6.783 in
22309	24-54	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	2.789 in
22310	18-42	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	6.863 in
22311	18-42	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	2.913 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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



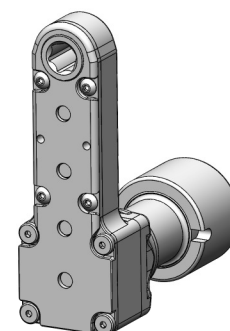
HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

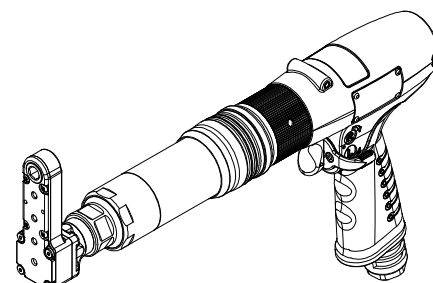
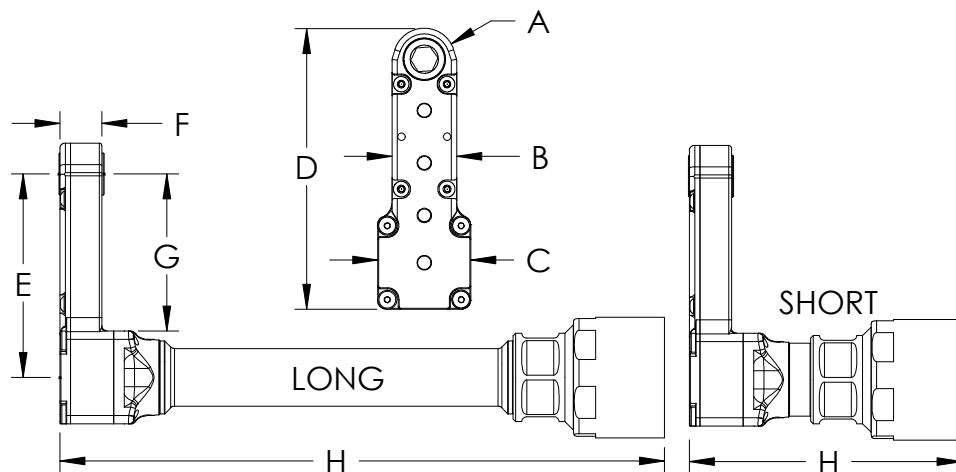
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

LTI SERIES 2

36-75 in-lbs / 4.1-8.5 Nm



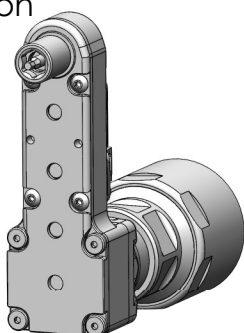
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 310 RPM



23573 MOTOR SHOWN
WITH 24082 ATTACHMENT

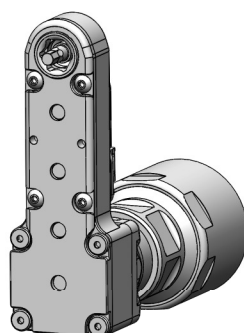
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
24087	48-75	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	7.194 in
24082	48-75	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	2.789 in
24088	36-57	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	6.863 in
24083	36-57	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	2.913 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

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

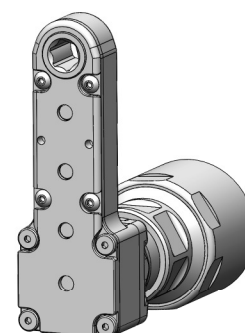


HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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 TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941



HEX THRU

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

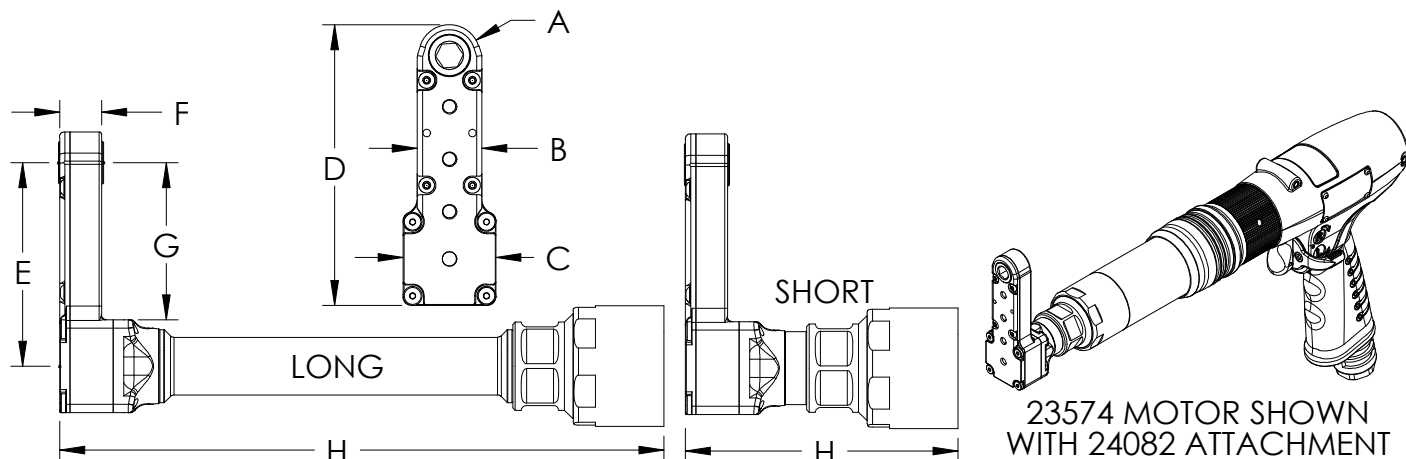
PART NO.	SIZE	TYPE
15379	7/32	HEX THRU
15380	1/4	HEX THRU
15381	9/32	HEX THRU
15337	5/16	HEX THRU
15461	11/32	HEX THRU

LTI SERIES 2

52-120 in-lbs / 5.9-13.6 Nm

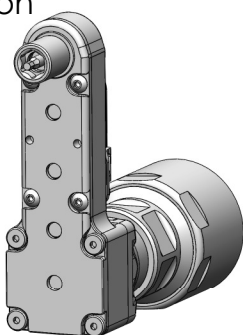


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 220 RPM



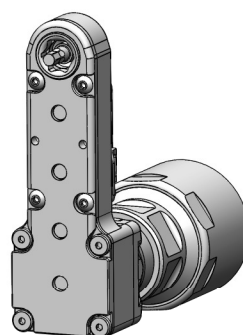
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEAR S	TUBE [H]	A	B	C	D	E	F	G	H
24087	68-120	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	7.194 in
24082	68-120	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	2.789 in
24088	52-94	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	6.863 in
24083	52-94	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	2.913 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

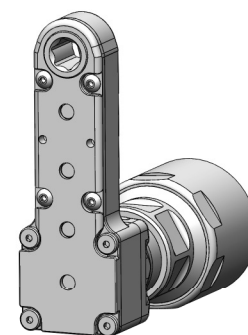
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

JIFFY TORQUE KEYS FLUSH

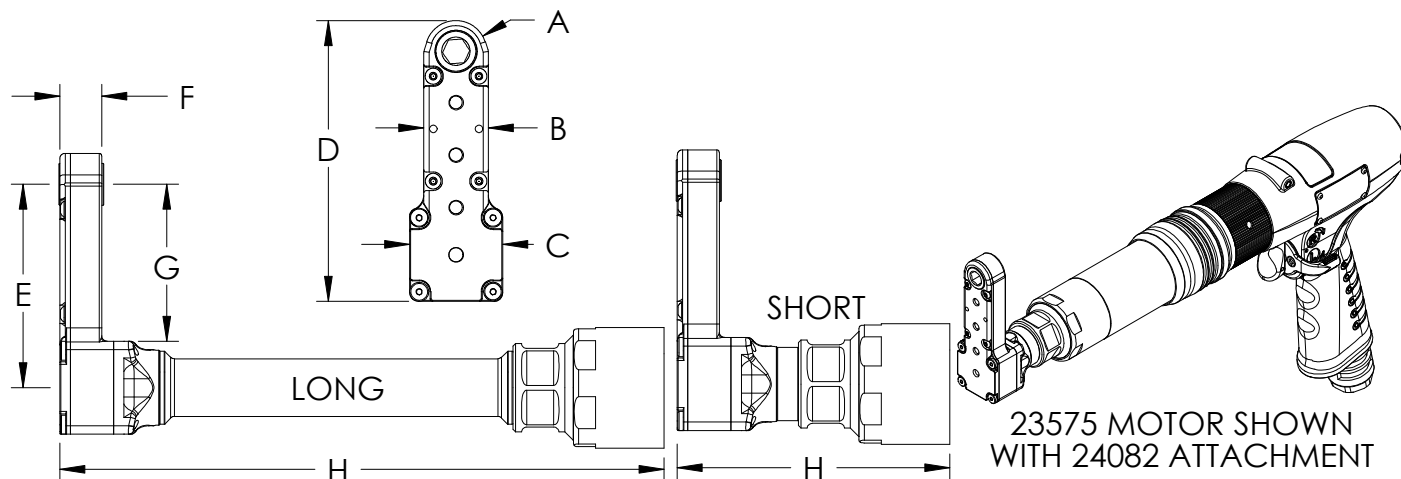
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 2

86-120 in-lbs / 9.7-13.6 Nm

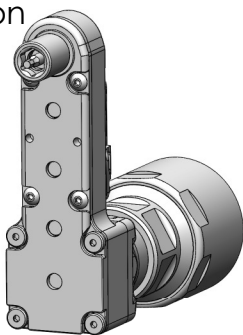


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 160 RPM



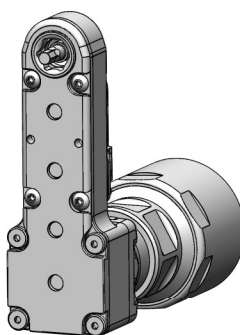
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
24087	112-120	5	LONG	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	7.194 in
24082	112-120	5	SHORT	.366 in	.770 in	1.110 in	3.341 in	2.422 in	.500 in	1.869 in	2.789 in
24088	86-120	7	LONG	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	6.863 in
24083	86-120	7	SHORT	.366 in	.770 in	1.110 in	4.591 in	3.672 in	.500 in	3.119 in	2.913 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

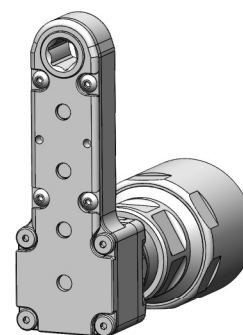
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

JIFFY TORQUE KEYS FLUSH

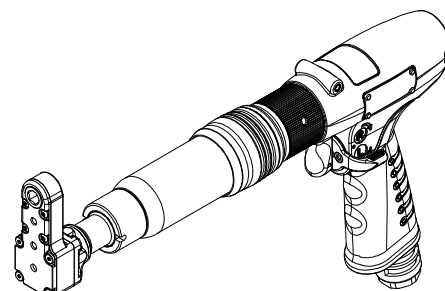
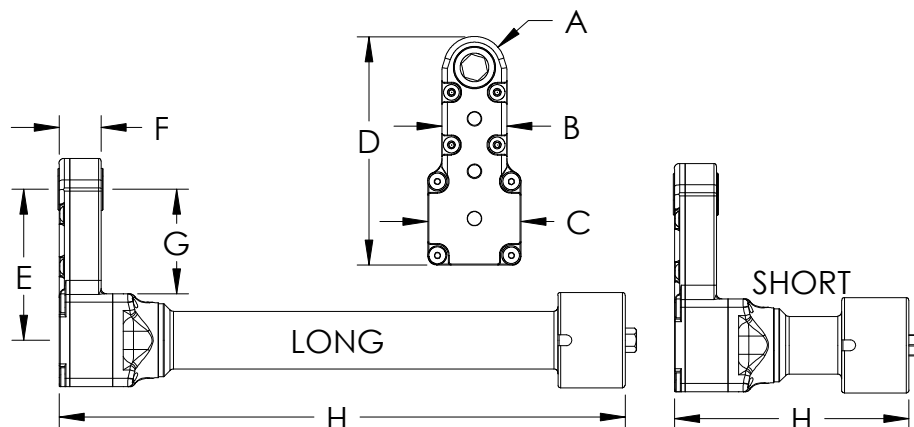
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 2

21-61 in-lbs / 2.4-6.9 Nm



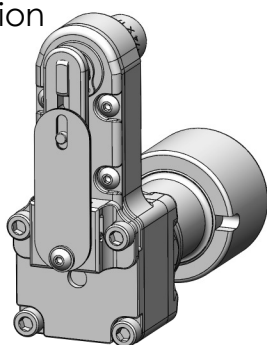
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 250 RPM
FOR BACKDRIVE APPLICATION



23572 MOTOR SHOWN
 WITH 22307 ATTACHMENT
 -BACK DRIVE ONLY-

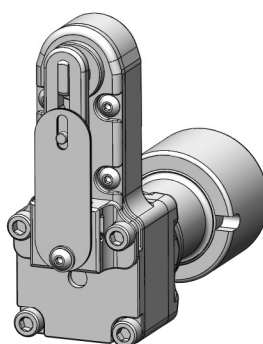
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
22306	27-61	4	LONG	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	6.734 in
22307	27-61	4	SHORT	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	2.791 in
25978	21-48	6	LONG	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	6.863 in
25979	21-48	6	SHORT	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	2.913 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

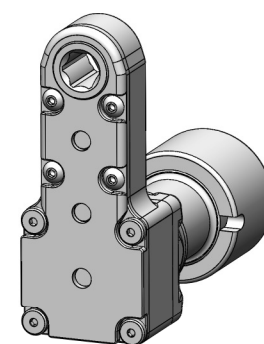
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

JIFFY TORQUE KEYS FLUSH

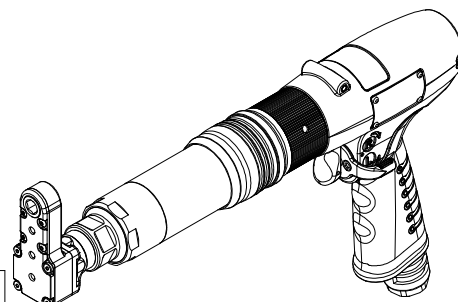
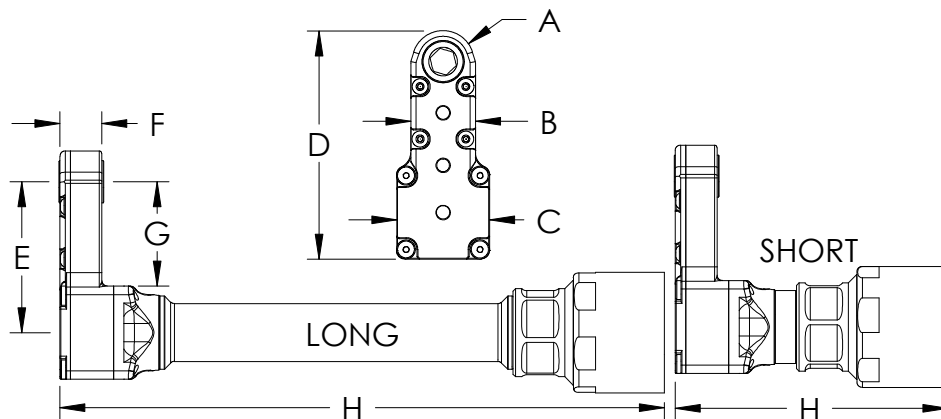
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 2

42-84 in-lbs / 4.7-9.5 Nm



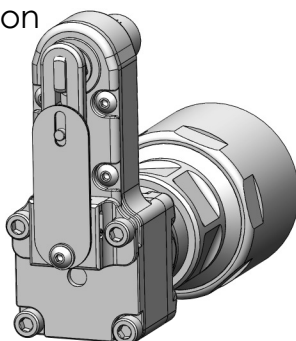
L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.366 inch / 9.3 mm NOSE RADIUS - 310 RPM
FOR BACKDRIVE APPLICATION



**23573 MOTOR SHOWN
WITH 25981 ATTACHMENT
-BACK DRIVE ONLY-**

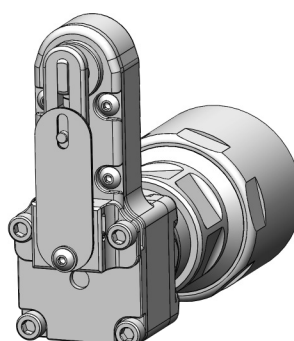
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
25980	53-84	4	LONG	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	7.194 in
25981	53-84	4	SHORT	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	3.244 in
25982	42-66	6	LONG	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	7.319 in
25983	42-66	6	SHORT	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

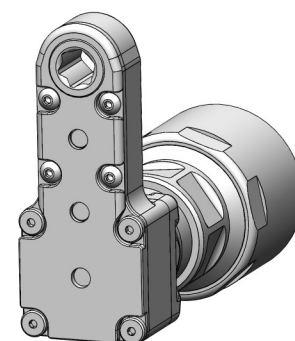
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

JIFFY TORQUE KEYS FLUSH

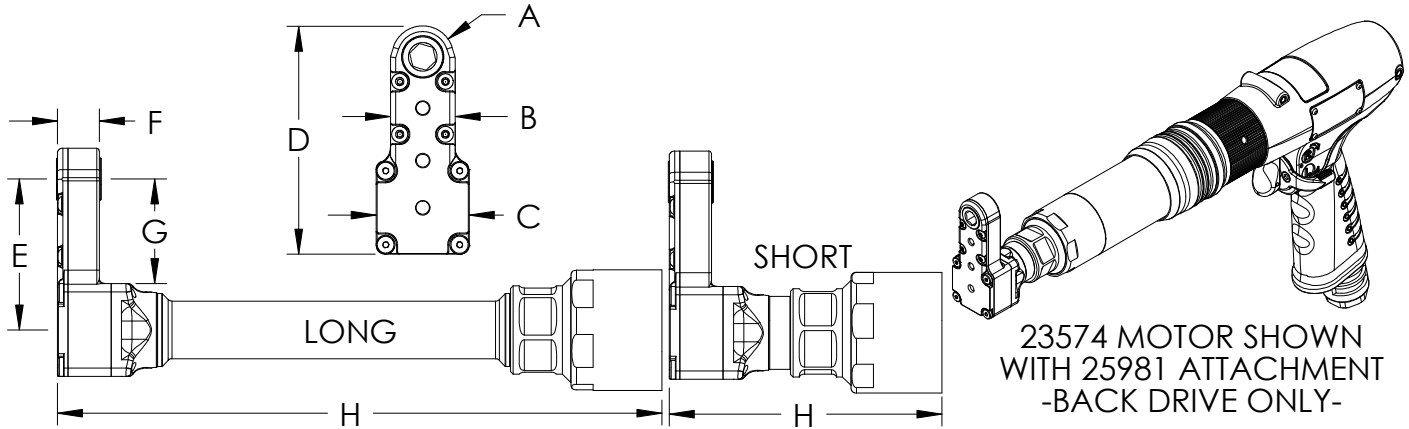
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 2

60-120 in-lbs / 6.8-13.6 Nm

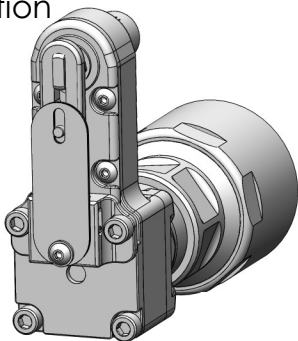


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
 .366 inch / 9.3 mm NOSE RADIUS - 220 RPM
 FOR BACKDRIVE APPLICATION



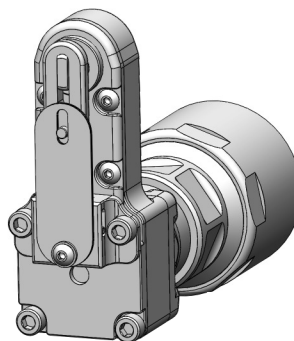
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G	H
25980	76-120	4	LONG	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	7.194 in
25981	76-120	4	SHORT	.366 in	.770 in	1.110 in	2.716 in	1.797 in	.500 in	1.244 in	3.244 in
25982	60-108	6	LONG	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	7.319 in
25983	60-108	6	SHORT	.366 in	.770 in	1.110 in	3.966 in	3.047 in	.500 in	2.494 in	3.369 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 2 Sockets.

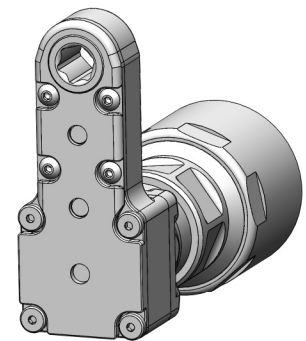
PART NO.	SIZE	TYPE
15372	9/32	SOCKET DRIVER
15373	1/4	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 2 table.

PART NO.	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



HEX THRU

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

PART NO.	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

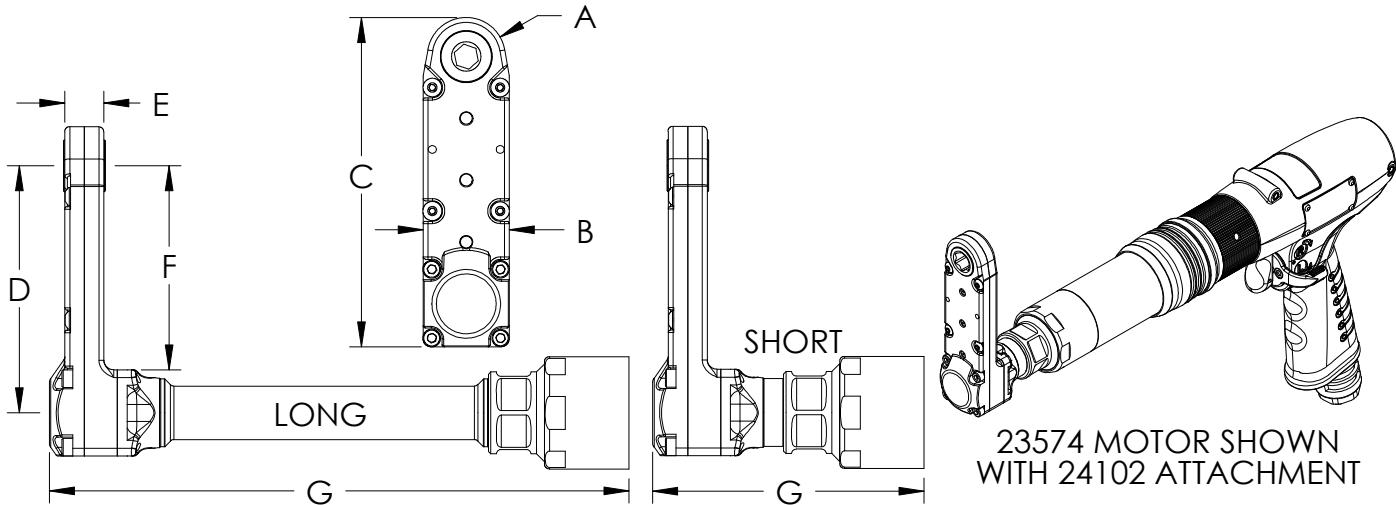
JIFFY TORQUE KEYS FLUSH							
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16	
PART NO.	18310	18311	18312	18313	18940	18941	

LTI SERIES 3

52-122 in-lbs / 5.9-13.8 Nm

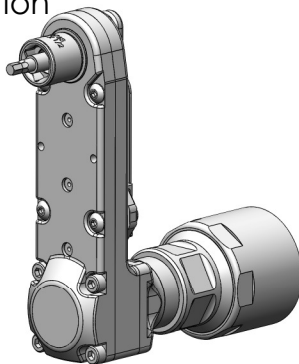


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.500 inch / 12.7 mm NOSE RADIUS - 220 RPM



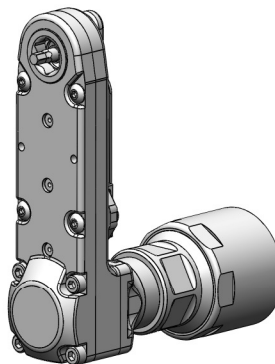
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G
24107	68-122	5	LONG	.500 in	1.110 in	4.221 in	3.168 in	.500 in	2.615 in	7.429 in
24102	68-122	5	SHORT	.500 in	1.110 in	4.221 in	3.168 in	.500 in	2.615 in	3.479 in
24108	52-94	7	LONG	.500 in	1.110 in	5.805 in	4.752 in	.500 in	4.199 in	7.429 in
24103	52-94	7	SHORT	.500 in	1.110 in	5.805 in	4.752 in	.500 in	4.199 in	3.479 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 3 Sockets.

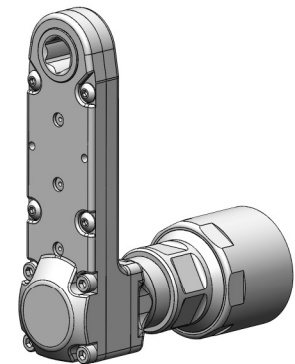
PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ DRIVE MALE
20748	3/8	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 3 table.

PART NO.	SIZE	TYPE
16038	5/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH
15891	7/16	HEX FLUSH



HEX THRU

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

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

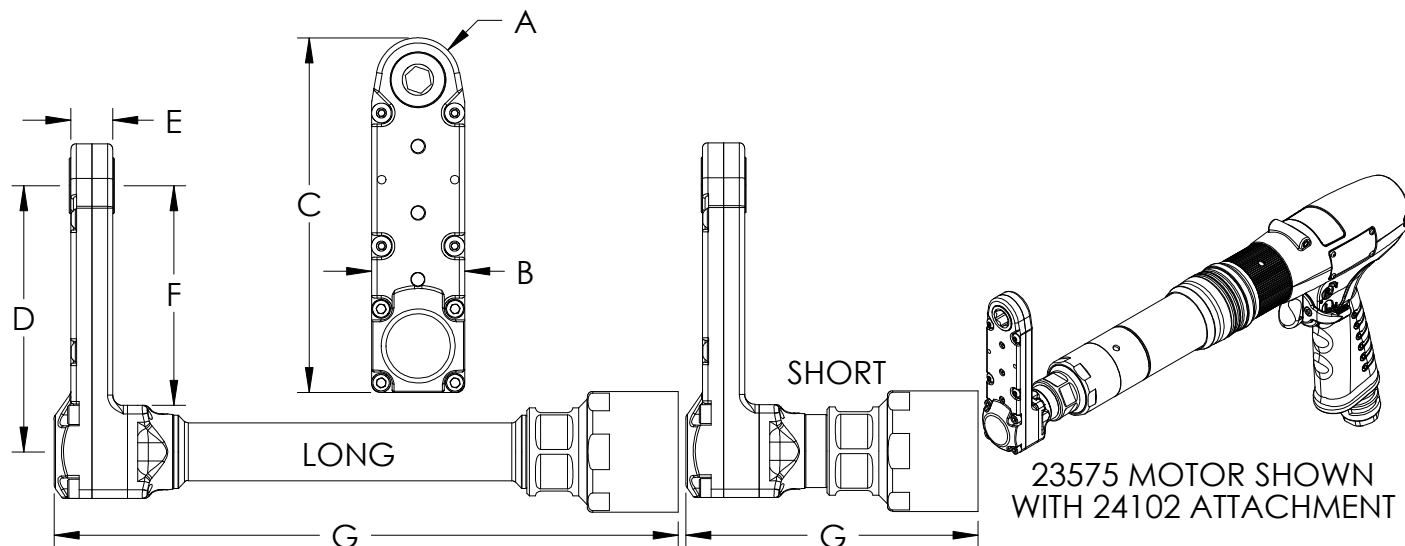
JIFFY TORQUE KEYS FLUSH						
KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

LTI SERIES 3

86-204 in-lbs / 9.7-23.0 Nm

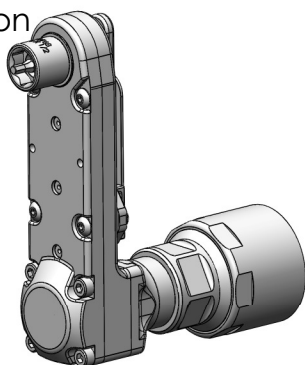


L TYPE INSTALLATION TOOLS FOR TORQUE NUT APPLICATIONS
.500 inch / 12.7 mm NOSE RADIUS - 160 RPM



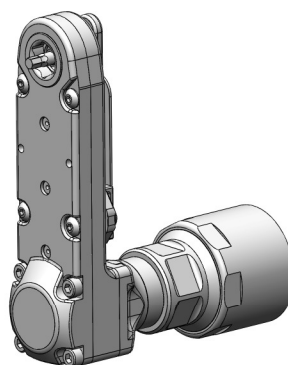
ATTACHMENT	TORQUE AT NOSE GEAR [in-lbs]	# OF GEARS	TUBE [H]	A	B	C	D	E	F	G
24107	112-204	5	LONG	.500 in	1.110 in	4.221 in	3.168 in	.500 in	2.615 in	7.429 in
24102	112-204	5	SHORT	.500 in	1.110 in	4.221 in	3.168 in	.500 in	2.615 in	3.479 in
24108	86-156	7	LONG	.500 in	1.110 in	5.805 in	4.752 in	.500 in	4.199 in	7.429 in
24103	86-156	7	SHORT	.500 in	1.110 in	5.805 in	4.752 in	.500 in	4.199 in	3.479 in

Nose Gear Selection



The **SOCKET DRIVER** will adapt the attachment to accept Series 3 Sockets.

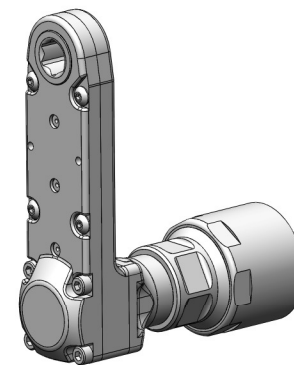
PART NO.	SIZE	TYPE
18449	9/32	SOCKET DRIVER
15905	1/4	SQ DRIVE MALE
20748	3/8	SQ DRIVE MALE



HEX FLUSH

The socket is built into the nose gear. Choose the Hex Flush gear and Key from the Series 3 table.

PART NO.	SIZE	TYPE
16038	5/16	HEX FLUSH
15889	11/32	HEX FLUSH
15890	3/8	HEX FLUSH
15891	7/16	HEX FLUSH



HEX THRU

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

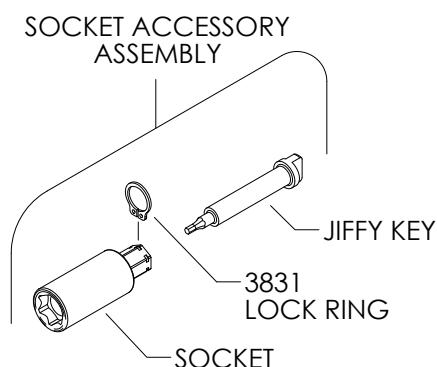
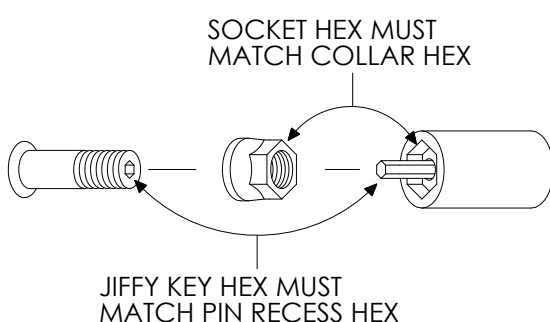
PART NO.	SIZE	TYPE
16039	5/16	HEX THRU
15892	11/32	HEX THRU
15893	3/8	HEX THRU
15894	7/16	HEX THRU

JIFFY TORQUE KEYS FLUSH

KEY HEX	1/16	5/64	3/32	1/8	5/32	3/16
PART NO.	18310	18311	18312	18313	18940	18941

FITS SERIES 1 ATTACHMENTS

TORQUE CONTROL INSTALLATION 1/16" / 1.59mm JIFFY KEY



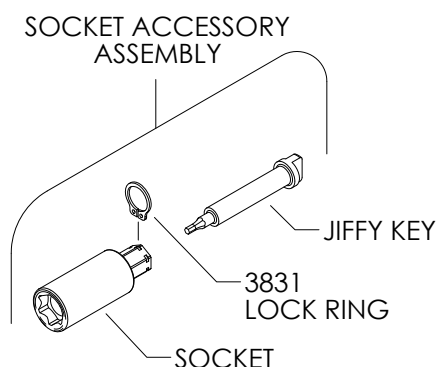
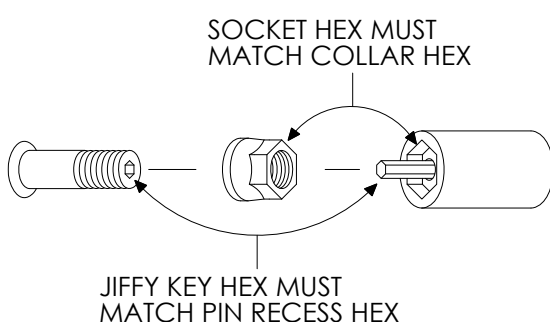
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
1/16" 1.59mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	18613	18614	18615	18616	18617
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY 1/16 TORQUE	18688	18689	18690	18691	18692
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	18618	18619	18620	18621	18622
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY 1/16 TORQUE	18688	18689	18690	18691	18692
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	18623	18624	18625	18626	18627
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY 1/16 TORQUE	18688	18689	18690	18691	18692
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18628	18629	18630	18631	18632
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY 1/16 TORQUE	18688	18689	18690	18691	18692
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18633	18634	18635	18636	18637
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY 1/16 TORQUE	18688	18689	18690	18691	18692

FITS SERIES 1 ATTACHMENTS

TORQUE CONTROL INSTALLATION 5/64" / 1.98mm JIFFY KEY



SEE PAGE 6 FOR SOCKET OPTIONS.

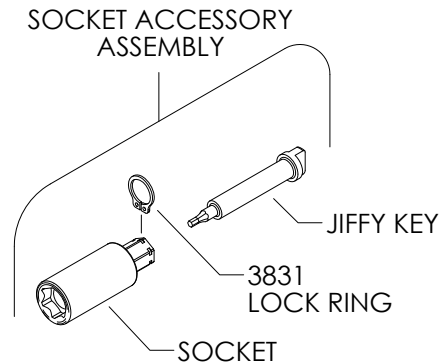
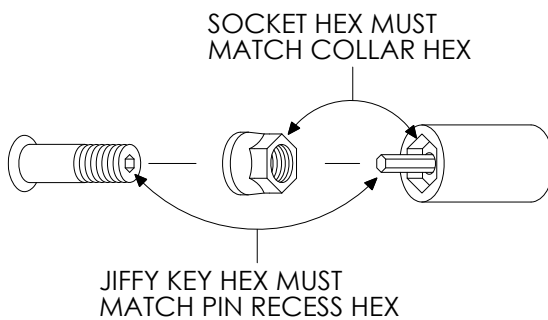
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
5/64" 1.98mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	18638	18639	18640	18641	18642
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY 5/64 TORQUE	18693	18694	18695	18696	18697
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	18643	18644	18645	18646	18647
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY 5/64 TORQUE	18693	18694	18695	18696	18697
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	18648	18649	18650	18651	18652
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY 5/64 TORQUE	18693	18694	18695	18696	18697
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18653	18654	18655	18656	18657
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY 5/64 TORQUE	18693	18694	18695	18696	18697
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18658	18659	18660	18661	18662
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY 5/64 TORQUE	18693	18694	18695	18696	18697

FITS SERIES 1 ATTACHMENTS

TORQUE CONTROL INSTALLATION

3/32" / 2.38mm JIFFY KEY



SEE PAGE 6 FOR SOCKET OPTIONS.

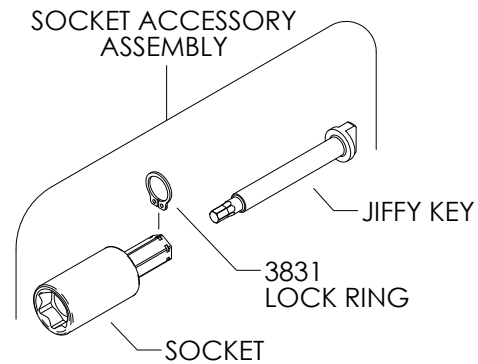
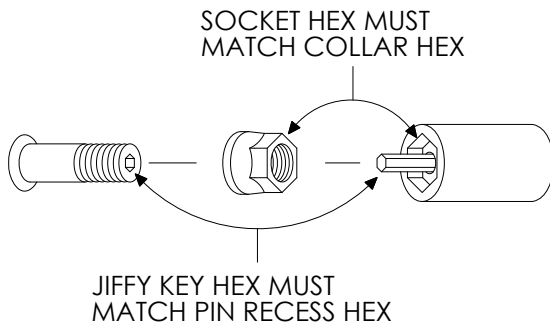
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/2"
3/32" 2.38mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	18663	18664	18665	18666	18667
		SOCKET	12517	12518	12519	12520	12521
		JIFFY KEY 3/32 TORQUE	18698	18699	18700	18701	18702
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	18668	18669	18670	18671	18672
		SOCKET	12522	12523	12524	12525	12526
		JIFFY KEY 3/32 TORQUE	18698	18699	18700	18701	18702
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	18673	18674	18675	18676	18677
		SOCKET	12527	12528	12529	12530	12531
		JIFFY KEY 3/32 TORQUE	18698	18699	18700	18701	18702
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18678	18679	18680	18681	18682
		SOCKET	12532	12533	12534	12535	12536
		JIFFY KEY 3/32 TORQUE	18698	18699	18700	18701	18702
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18683	18684	18685	18686	18687
		SOCKET	12537	12538	12539	12540	12541
		JIFFY KEY 3/32 TORQUE	18698	18699	18700	18701	18702

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION

1/16" / 1.59mm JIFFY KEY



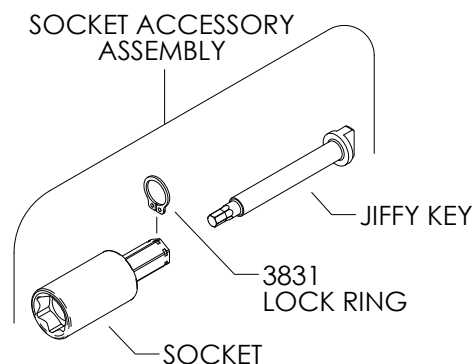
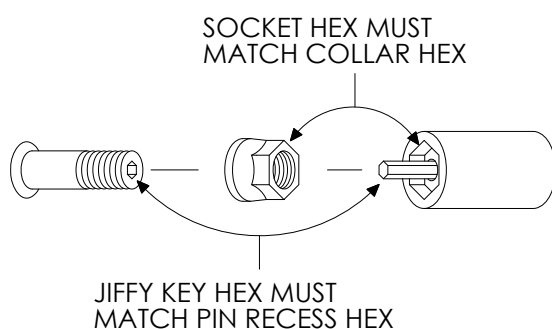
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/16" 1.59mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	18314	18315	18316	18317	18318	18319	18320
		SOCKET	12679	12680	12681	12682	12683	12684	12685
		JIFFY KEY 1/16 TORQUE	18282	18283	18284	18285	18286	18287	18288
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	18321	18322	18323	18324	18325	18326	18327
		SOCKET	12686	12687	14446	12688	12689	12690	12691
		JIFFY KEY 1/16 TORQUE	18282	18283	18284	18285	18286	18287	18288
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	18328	18329	18330	18331	18332	18333	18334
		SOCKET	12692	12693	12694	12695	12696	12697	12698
		JIFFY KEY 1/16 TORQUE	18282	18283	18284	18285	18286	18287	18288
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18335	18336	18337	18338	18339	18340	18341
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY 1/16 TORQUE	18282	18283	18284	18285	18286	18287	18288
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18342	18343	18344	18345	18346	18347	18348
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY 1/16 TORQUE	18282	18283	18284	18285	18286	18287	18288

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION 5/64" / 1.98mm JIFFY KEY



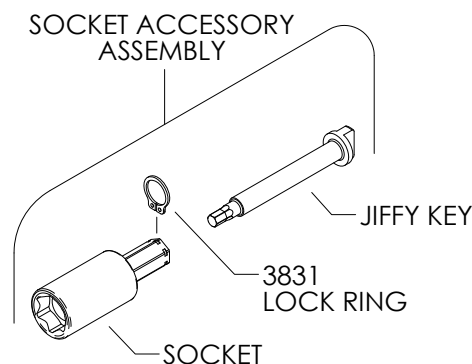
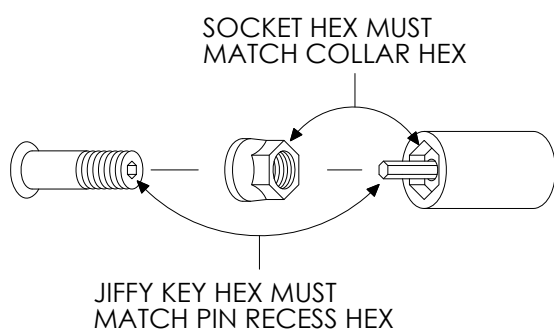
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
5/64" 1.98mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	18349	18350	18351	18352	18353	18354	18355
		SOCKET	12679	12680	12681	12682	12683	12684	12685
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	18356	18357	18358	18359	18360	18361	18362
		SOCKET	12686	12687	14446	12688	12689	12690	12691
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	18363	18364	18365	18366	18367	18368	18369
		SOCKET	12692	12693	12694	12695	12696	12697	12698
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18370	18371	18372	18373	18374	18375	18376
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18377	18378	18379	18380	18381	18382	18383
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	18384	18385	18386	18387	18388	18389	18390
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY 5/64 TORQUE	18289	18290	18291	18292	18293	18294	18295

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION 3/32" / 2.38mm JIFFY KEY



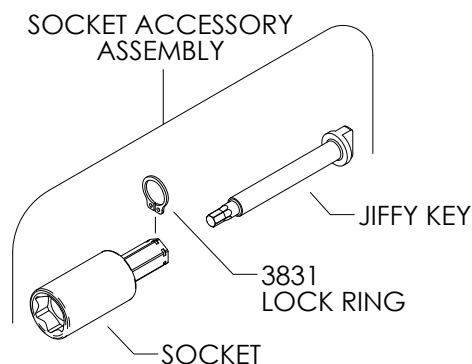
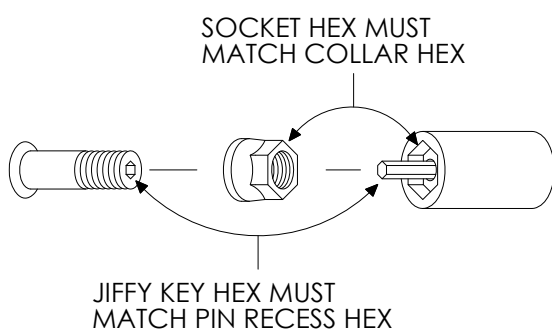
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/32" 2.38mm	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	18391	18392	18393	18394	18395	18396	18397
		SOCKET	12699	12700	14445	12701	12702	12703	12704
		JIFFY KEY 3/32 TORQUE	18296	18297	18298	18299	18300	18301	18302
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	18398	18399	18400	18401	18402	18403	18404
		SOCKET	12705	12706	12707	12708	12709	12710	12711
		JIFFY KEY 3/32 TORQUE	18296	18297	18298	18299	18300	18301	18302
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	18405	18406	18407	18408	18409	18410	18411
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY 3/32 TORQUE	18296	18297	18298	18299	18300	18301	18302
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	18412	18413	18414	18415	18416	18417	18418
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY 3/32 TORQUE	18296	18297	18298	18299	18300	18301	18302
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	18843	18844	18845	18846	18847	18848	18849
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY 3/32 TORQUE	18296	18297	18298	18299	18300	18301	18302

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION 1/8" / 3.17mm JIFFY KEY



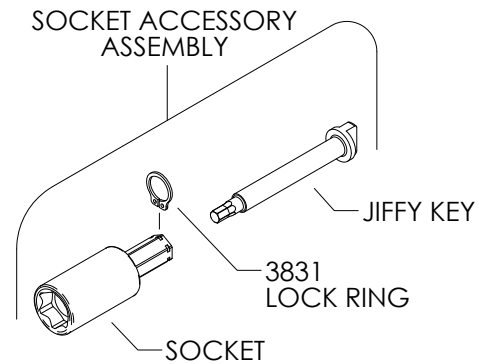
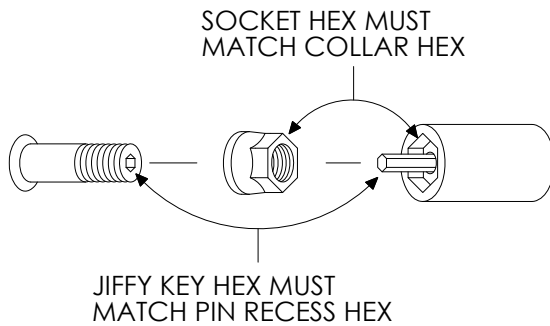
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
1/8" 3.17mm	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	18419	18420	18421	18422	18423	18424	18425
		SOCKET	12767	12768	12769	12770	12771	12772	12773
		JIFFY KEY 1/8 TORQUE	18303	18304	18305	18306	18307	18308	18309
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	18426	18427	18428	18429	18430	18431	18432
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY 1/8 TORQUE	18303	18304	18305	18306	18307	18308	18309
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	18499	18500	18501	18502	18503	18504	18505
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY 1/8 TORQUE	18303	18304	18305	18306	18307	18308	18309
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	18506	18507	18508	18509	18510	18511	18512
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY 1/8 TORQUE	18303	18304	18305	18306	18307	18308	18309

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION 5/32" / 3.97mm JIFFY KEY



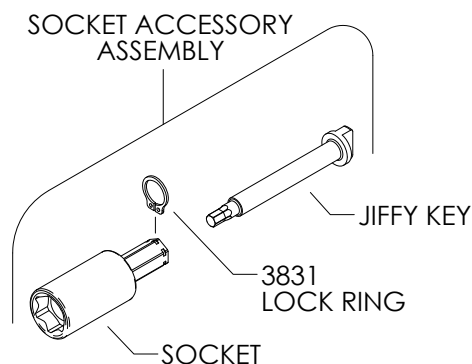
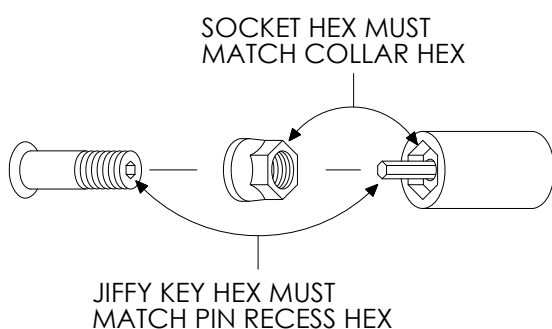
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
5/32" 3.97mm	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	18850	18851	18852	18853	18854	18855	18856
		SOCKET	12872	12873	12874	12875	12876	12877	12878
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	18857	18858	18859	18860	18861	18862	18863
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	18864	18865	18866	18867	18868	18869	18870
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751
	5/8" 15.87mm	SOCKET ACCESSORY ASSEMBLY	18871	18872	18873	18874	18875	18876	18877
		SOCKET	18710	18711	18712	18713	18714	18715	18716
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751
	11/16" 17.46mm	SOCKET ACCESSORY ASSEMBLY	18878	18879	18880	18881	18882	18883	18884
		SOCKET	18717	18718	18719	18720	18721	18722	18723
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751
	3/4" 19.05mm	SOCKET ACCESSORY ASSEMBLY	18885	18886	18887	18888	18889	18890	18891
		SOCKET	18724	18725	18726	18727	18728	18729	18730
		JIFFY KEY 5/32 TORQUE	18745	18746	18747	18748	18749	18750	18751

FITS SERIES 2 & 3 ATTACHMENTS

TORQUE CONTROL INSTALLATION 3/16" / 4.76mm JIFFY KEY



SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

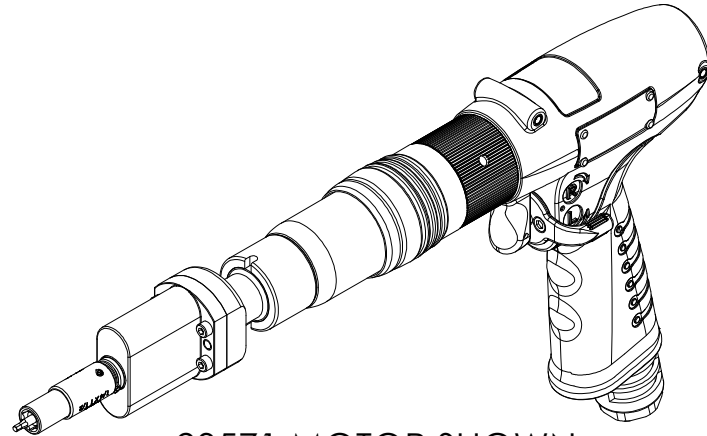
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"
3/16" 4.76mm	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	18892	18893	18994	18995	18996	18997	18998
		SOCKET	18485	18486	18487	18488	18489	18490	18491
		JIFFY KEY 3/16 TORQUE	18752	18753	18754	18755	18756	18757	18758
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	18899	18900	18901	18902	18903	18904	18905
		SOCKET	18492	18493	18494	18495	18496	18497	18498
		JIFFY KEY 3/16 TORQUE	18752	18753	18754	18755	18756	18757	18758
	5/8" 15.87mm	SOCKET ACCESSORY ASSEMBLY	18906	18907	18908	18909	18910	18911	18912
		SOCKET	18710	18711	18712	18713	18714	18715	18716
		JIFFY KEY 3/16 TORQUE	18752	18753	18754	18755	18756	18757	18758
	11/16" 17.46mm	SOCKET ACCESSORY ASSEMBLY	18913	18914	18915	18916	18917	18918	18919
		SOCKET	18717	18718	18719	18720	18721	18722	18723
		JIFFY KEY 3/16 TORQUE	18752	18753	18754	18755	18756	18757	18758
	3/4" 19.05mm	SOCKET ACCESSORY ASSEMBLY	18920	18921	18922	18923	18924	18925	18926
		SOCKET	18724	18725	18726	18727	18728	18729	18730
		JIFFY KEY 3/16 TORQUE	18752	18753	18754	18755	18756	18757	18758

STRAIGHT INSTALL SERIES 2

10-31 in-lbs / 1.1-3.5 Nm

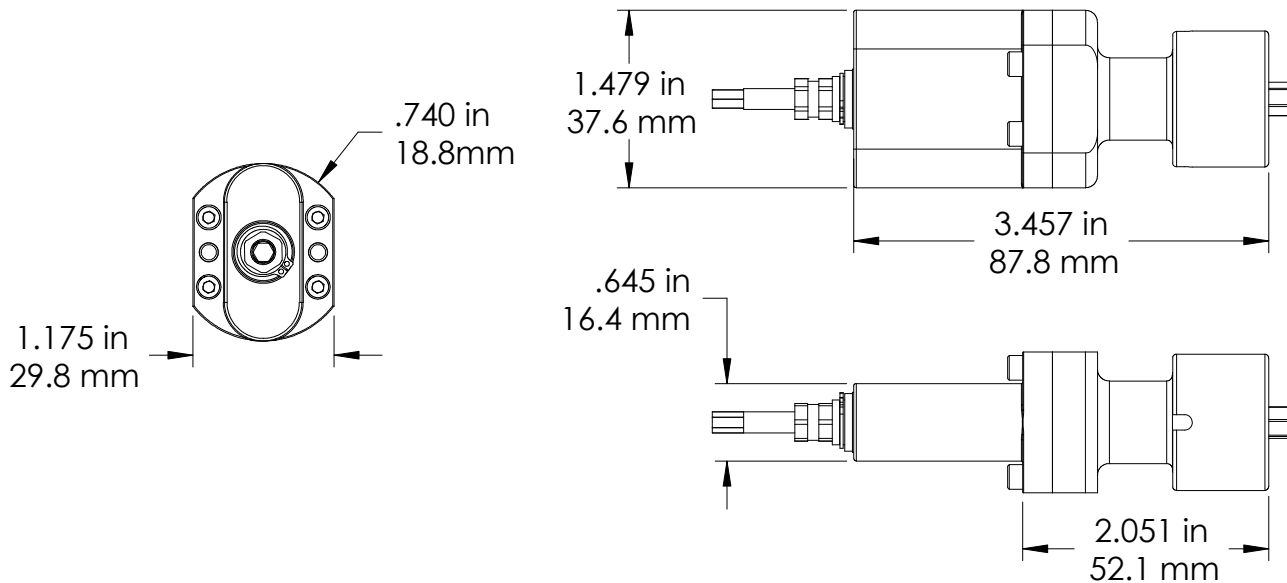


STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
250 RPM

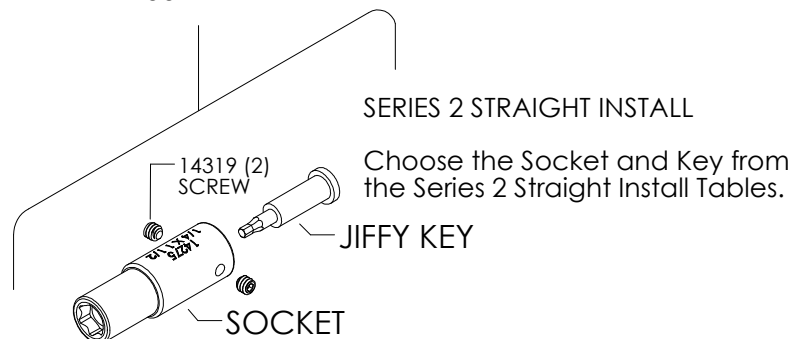


23571 MOTOR SHOWN
WITH 21692 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR
21692	10-31 in-lbs



SOCKET ACCESSORY
ASSEMBLY

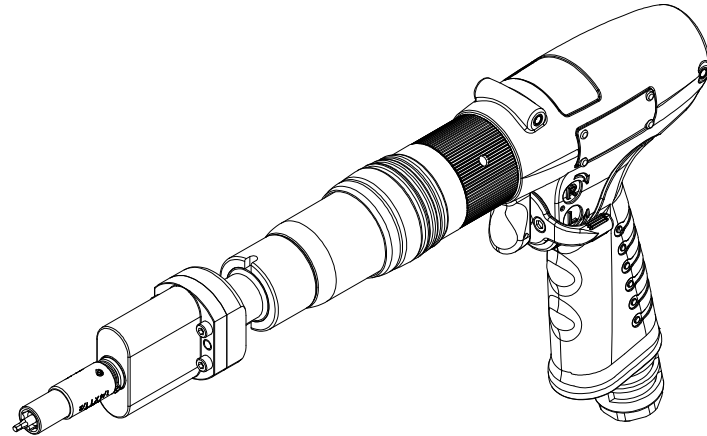


STRAIGHT INSTALL SERIES 2

24-54 in-lbs / 2.7-6.1 Nm

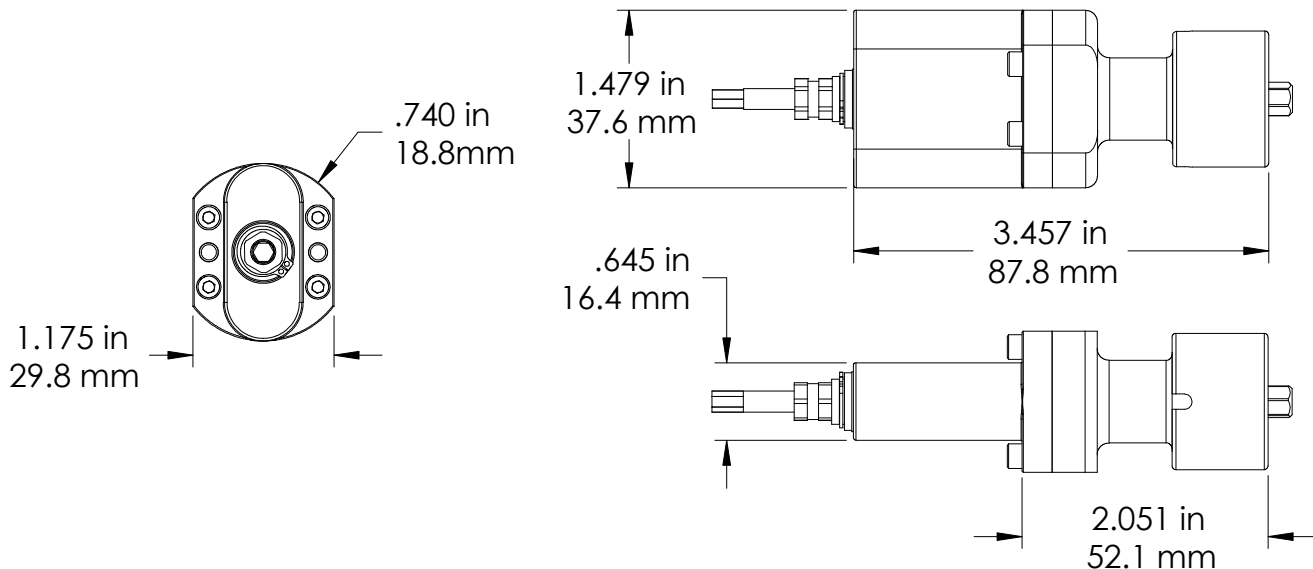


STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
250 RPM

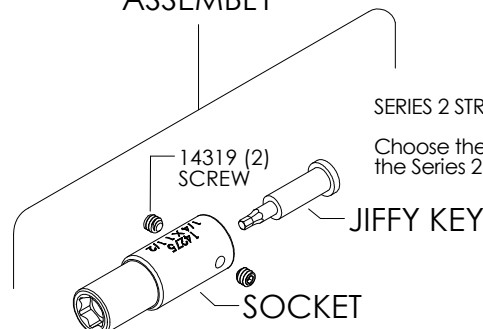


23572 MOTOR SHOWN
WITH 21692 ATTACHMENT

ATTACHMENT	TORQUE AT NOSE GEAR
21692	24-54 in-lbs



SOCKET ACCESSORY ASSEMBLY



SERIES 2 STRAIGHT INSTALL

Choose the Socket and Key from the Series 2 Straight Install Tables.

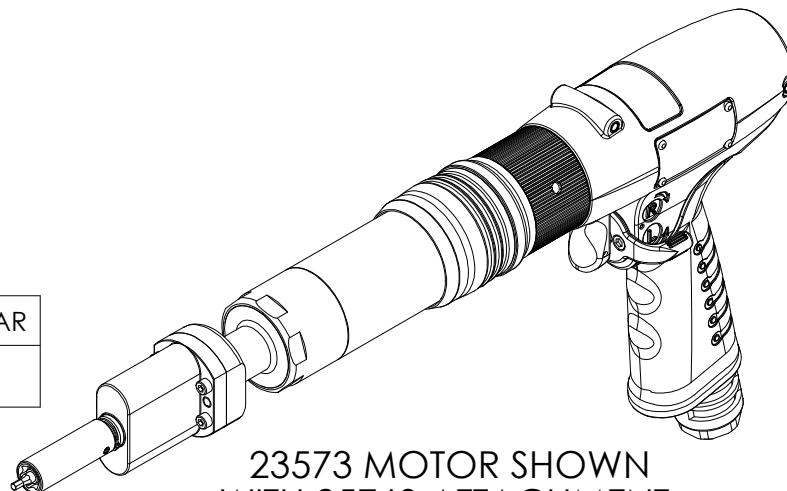
STRAIGHT INSTALL SERIES 2

48-75 in-lbs / 5.4-8.5 Nm

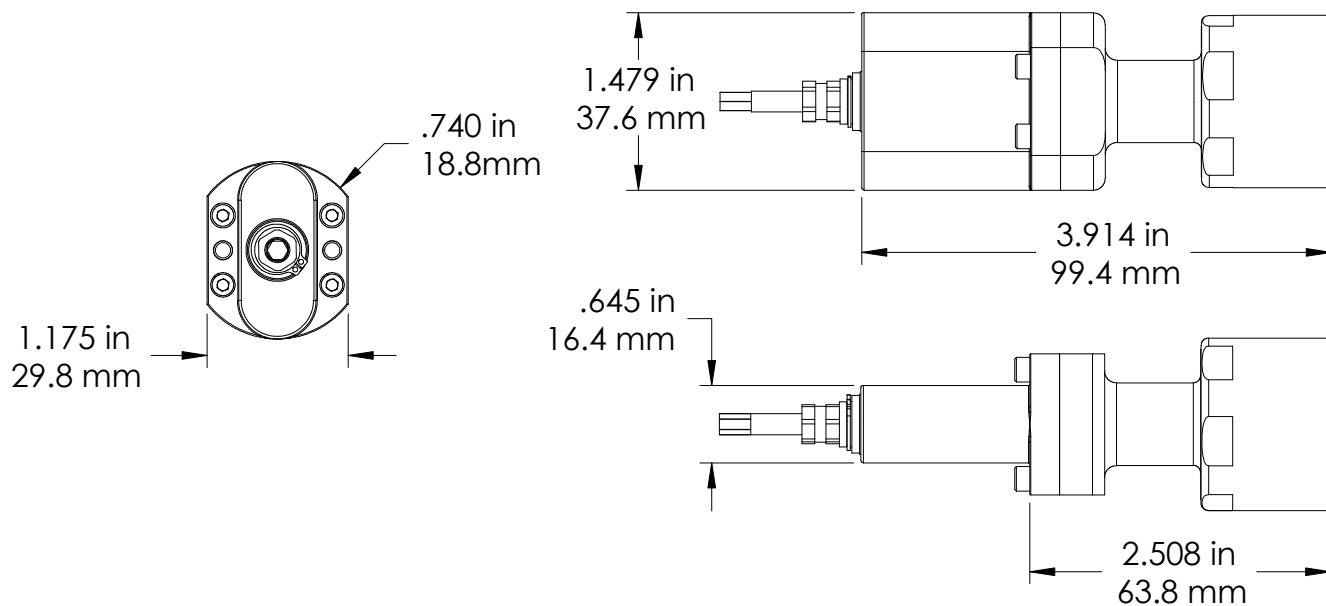


STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
310 RPM

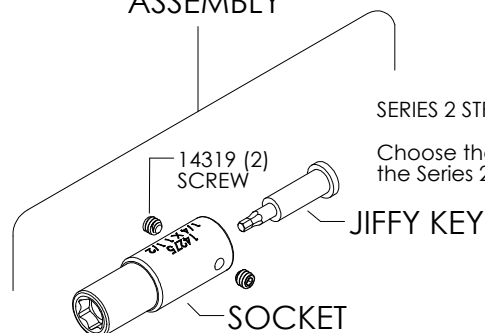
ATTACHMENT	TORQUE AT NOSE GEAR
25763	48-75 in-lbs



23573 MOTOR SHOWN
WITH 25763 ATTACHMENT



SOCKET ACCESSORY ASSEMBLY



SERIES 2 STRAIGHT INSTALL

Choose the Socket and Key from the Series 2 Straight Install Tables.

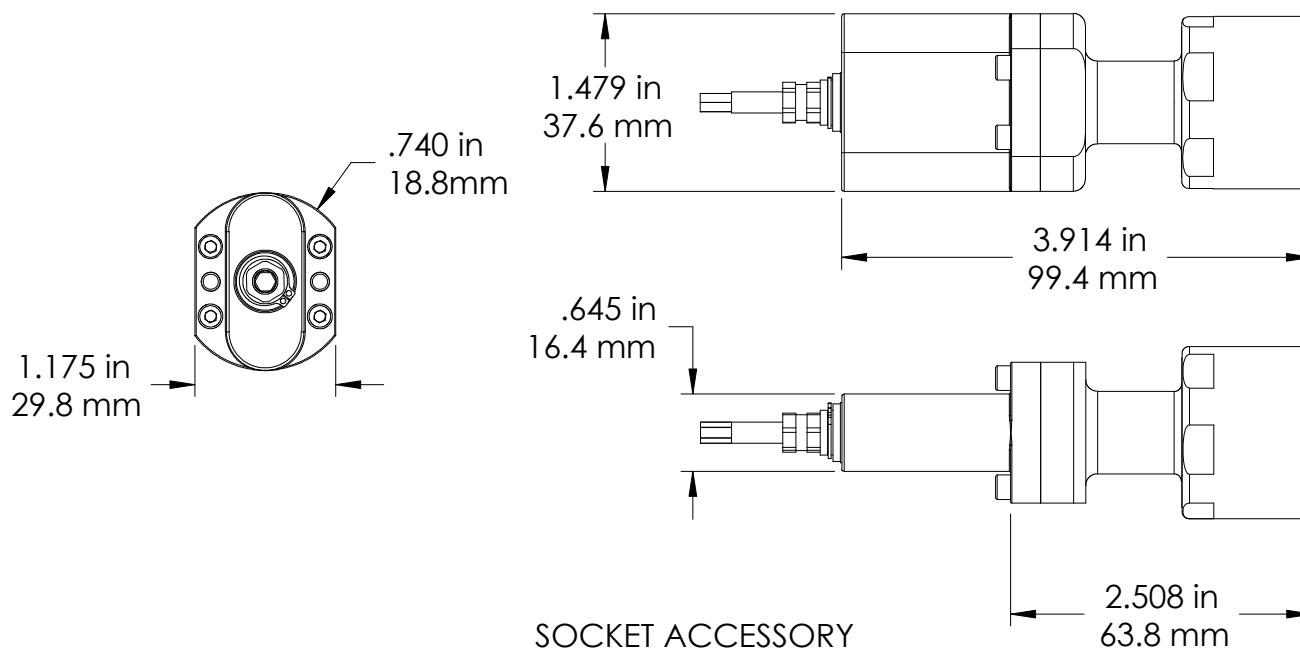
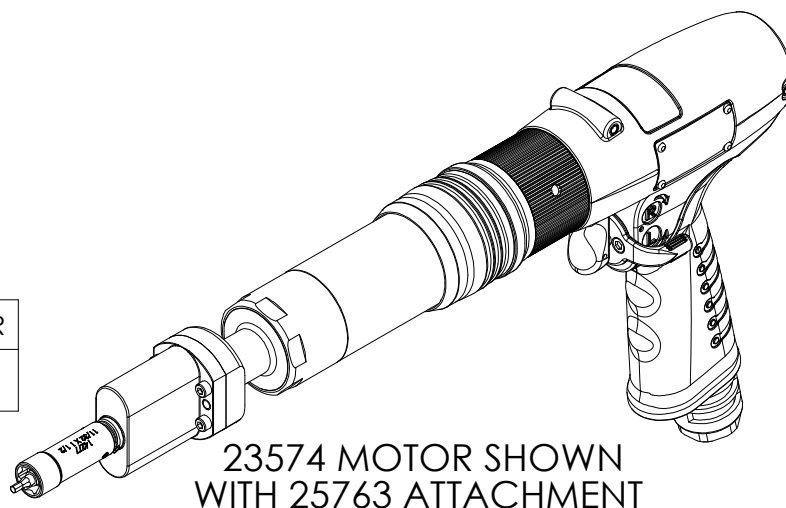
STRAIGHT INSTALL SERIES 2

68-122 in-lbs / 7.7-13.8 Nm

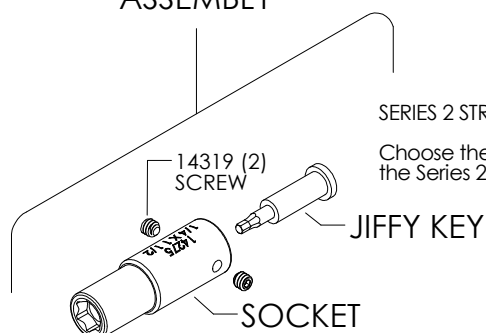


STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
220 RPM

ATTACHMENT	TORQUE AT NOSE GEAR
25763	68-122 in-lbs



SOCKET ACCESSORY
ASSEMBLY



SERIES 2 STRAIGHT INSTALL

Choose the Socket and Key from
the Series 2 Straight Install Tables.

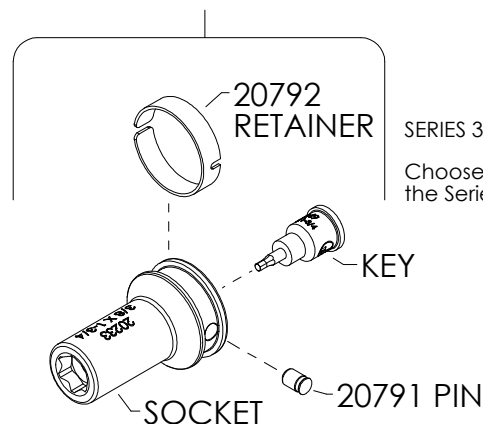
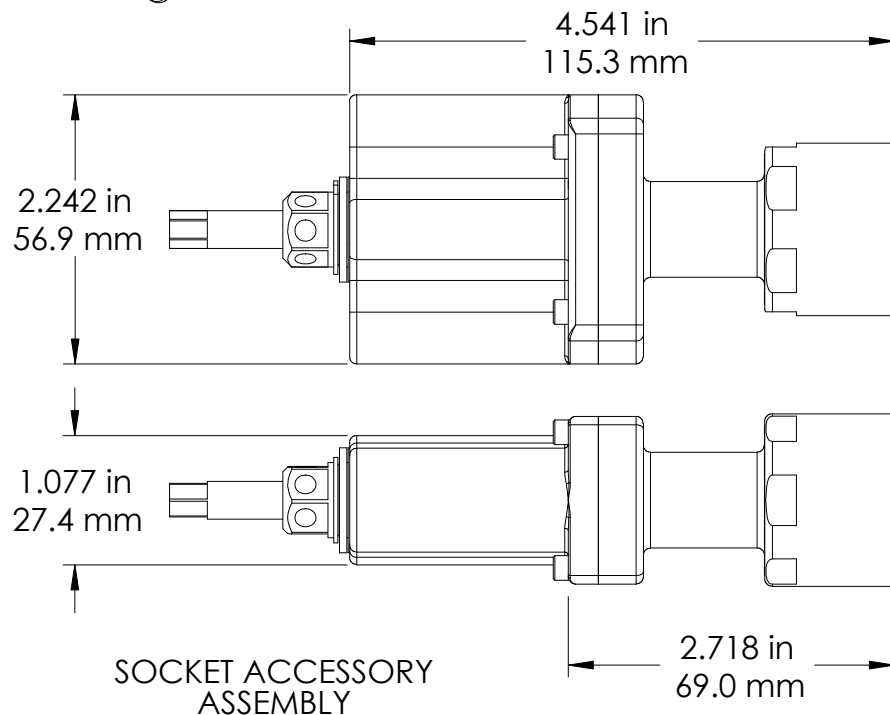
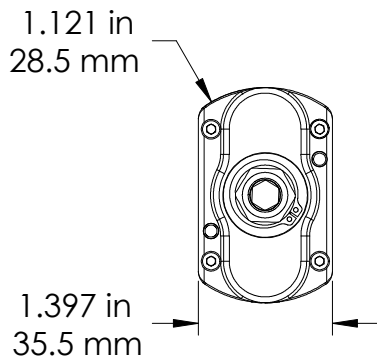
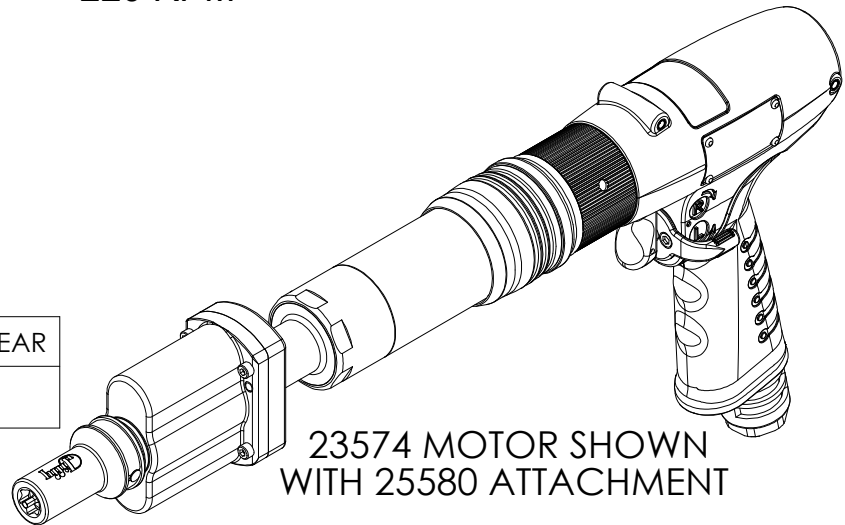
STRAIGHT INSTALL SERIES 3

68-122 in-lbs / 7.7-13.8 Nm



STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
220 RPM

ATTACHMENT	TORQUE AT NOSE GEAR
25580	68-122 in-lbs



SERIES 3 STRAIGHT INSTALL

Choose the Socket and Key from
the Series 3 Straight Install Table.

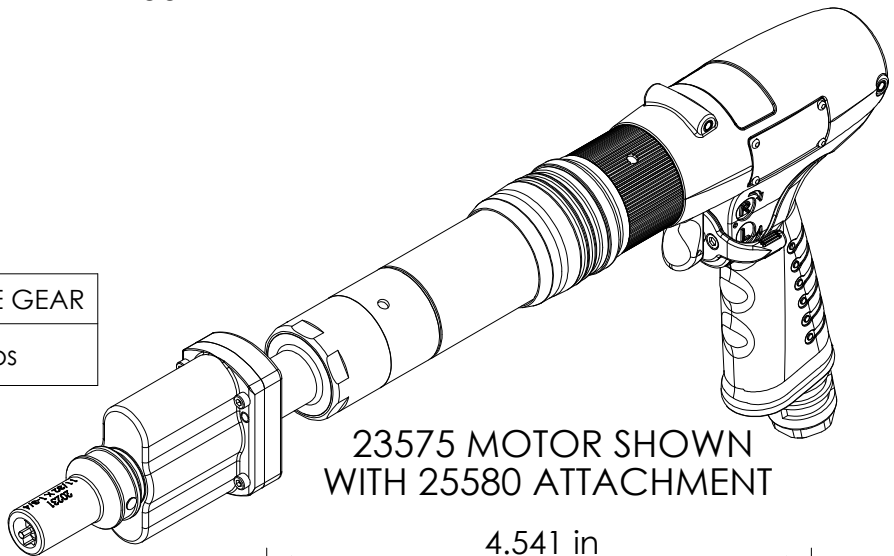
STRAIGHT INSTALL SERIES 3

112-204 in-lbs / 12.7-23.0 Nm

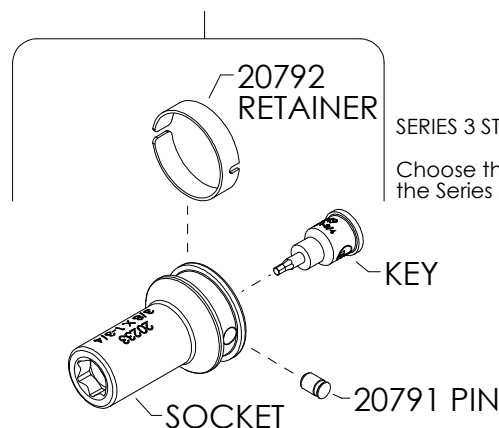
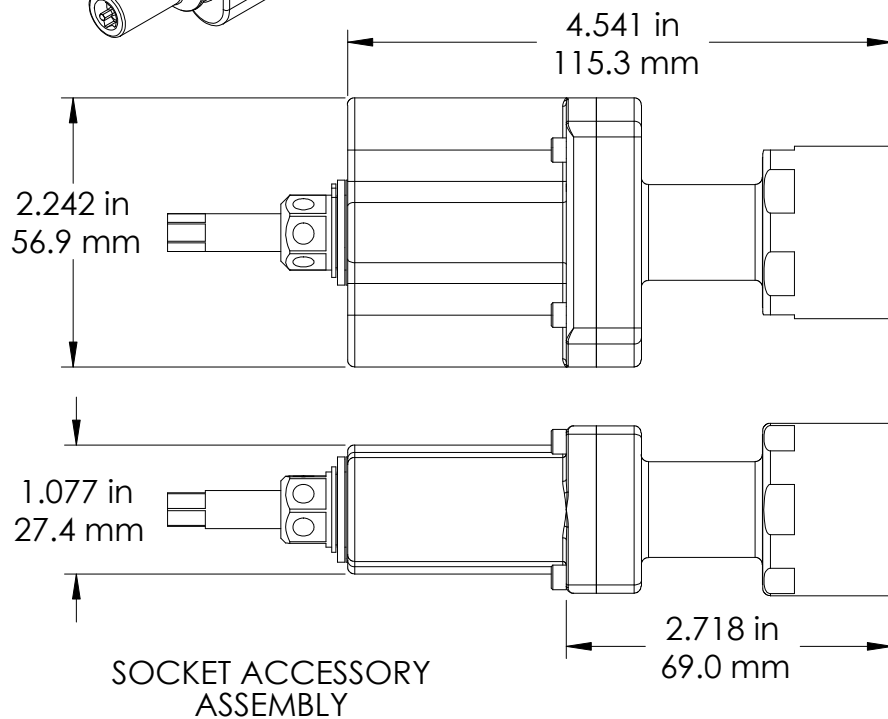
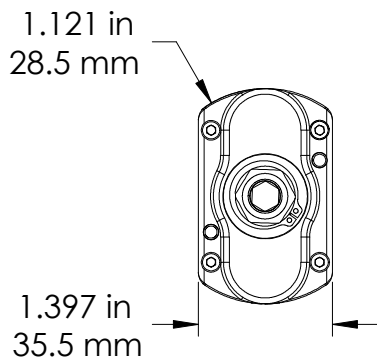


STRAIGHT INSTALLATION TOOL FOR TORQUE NUT APPLICATIONS
160 RPM

ATTACHMENT	TORQUE AT NOSE GEAR
25580	112-204 in-lbs



23575 MOTOR SHOWN
WITH 25580 ATTACHMENT

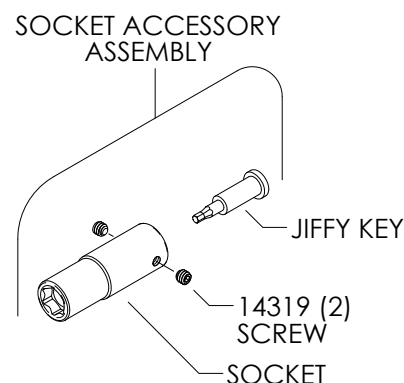
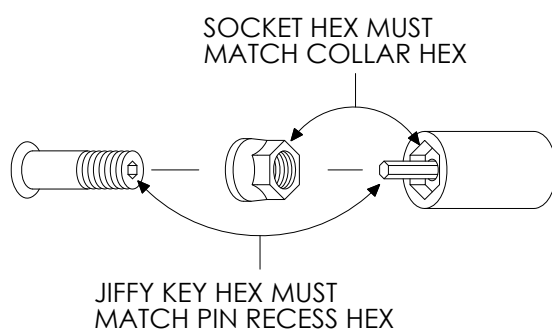


SERIES 3 STRAIGHT INSTALL

Choose the Socket and Key from
the Series 3 Straight Install Table.

FITS SERIES 2 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 1/16" / 1.59mm JIFFY KEY

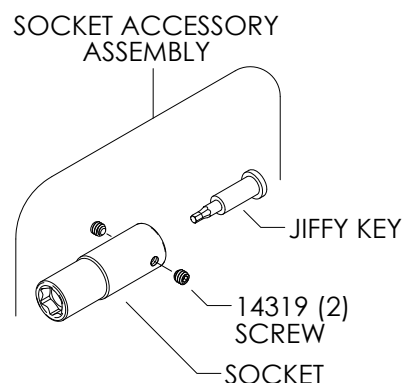
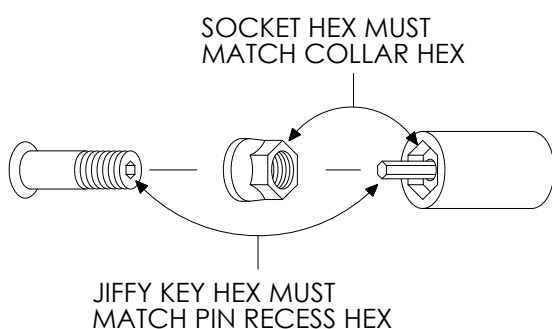


SEE PAGE 6 FOR SOCKET OPTIONS.

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 1/2"	3"
1/16" 1.59mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	14339	14340
		SOCKET	14274	14280
		JIFFY KEY 1/16 TORQUE	14373	14374
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	14341	14342
		SOCKET	14275	14281
		JIFFY KEY 1/16 TORQUE	14373	14374
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	14343	14344
		SOCKET	14276	14282
		JIFFY KEY 1/16 TORQUE	14373	14374
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	14345	14346
		SOCKET	14217	14283
		JIFFY KEY 1/16 TORQUE	14373	14374
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	14347	14348
		SOCKET	14277	14284
		JIFFY KEY 1/16 TORQUE	14373	14374

FITS SERIES 2 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 5/64" / 1.98mm JIFFY KEY



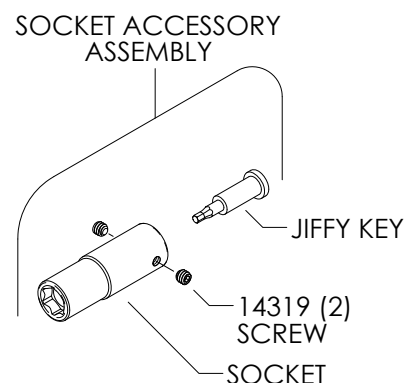
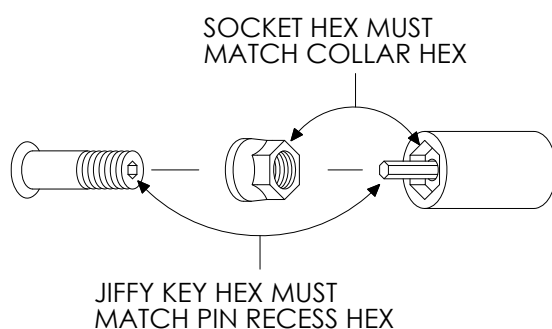
SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 1/2"	3"
5/64" 1.98mm	7/32" 5.56mm	SOCKET ACCESSORY ASSEMBLY	14349	14350
		SOCKET	14274	14280
		JIFFY KEY 5/64 TORQUE	14375	14376
	1/4" 6.35mm	SOCKET ACCESSORY ASSEMBLY	14351	14352
		SOCKET	14275	14281
		JIFFY KEY 5/64 TORQUE	14375	14376
	9/32" 7.14mm	SOCKET ACCESSORY ASSEMBLY	14353	14354
		SOCKET	14276	14282
		JIFFY KEY 5/64 TORQUE	14375	14376
	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	14355	14356
		SOCKET	14217	14283
		JIFFY KEY 5/64 TORQUE	14375	14376
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	14357	14358
		SOCKET	14277	14284
		JIFFY KEY 5/64 TORQUE	14375	14376
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	14359	14360
		SOCKET	14278	14285
		JIFFY KEY 5/64 TORQUE	14375	14376

FITS SERIES 2 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 3/32" / 2.38mm JIFFY KEY

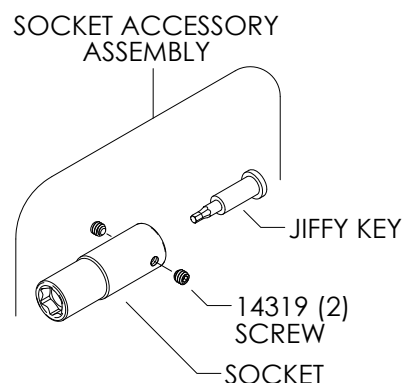
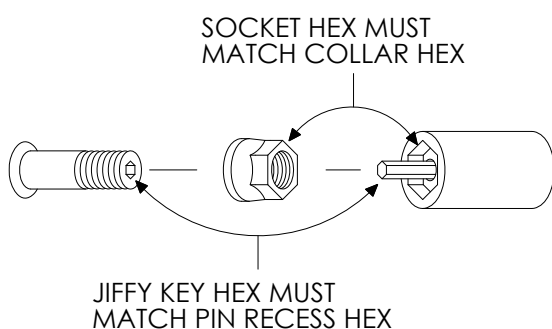


SEE PAGE 6 FOR SOCKET OPTIONS.

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 1/2"	3"
3/32" 2.38mm	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	14361	14362
		SOCKET	14217	14283
		JIFFY KEY 3/32 TORQUE	14377	14378
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	14363	14364
		SOCKET	14277	14284
		JIFFY KEY 3/32 TORQUE	14377	14378
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	14365	14366
		SOCKET	14278	14285
		JIFFY KEY 3/32 TORQUE	14377	14378
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	14367	14368
		SOCKET	14279	14286
		JIFFY KEY 3/32 TORQUE	14377	14378

FITS SERIES 2 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 1/8" / 3.17mm JIFFY KEY



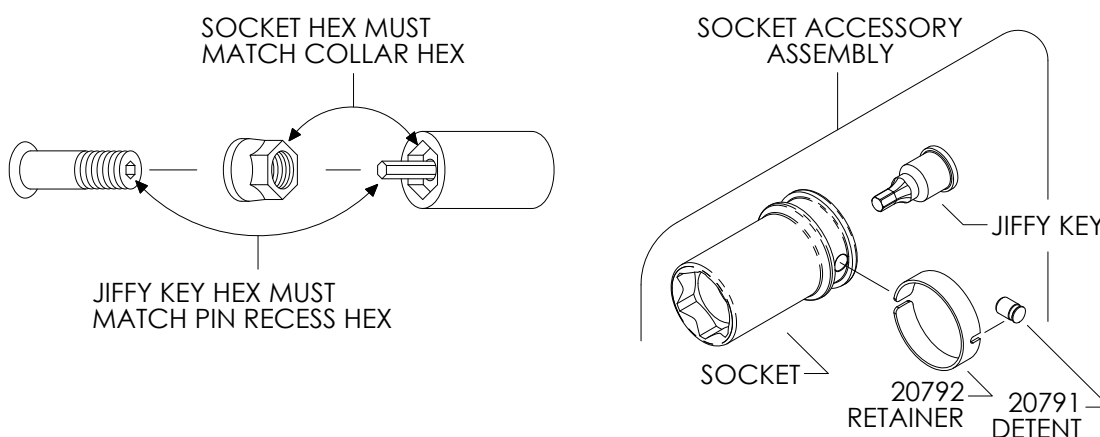
SEE PAGE 6 FOR SOCKET OPTIONS.

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 1/2"	3"
1/8" 3.17mm	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	16004	16005
		SOCKET	14278	14285
		JIFFY KEY 1/8 TORQUE	16018	16019
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	16006	16007
		SOCKET	14279	14286
		JIFFY KEY 1/8 TORQUE	16018	16019
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	16008	16009
		SOCKET	16012	16013
		JIFFY KEY 1/8 TORQUE	16018	16019
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	16010	16011
		SOCKET	16014	16015
		JIFFY KEY 1/8 TORQUE	16018	16019

FITS SERIES 3 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION

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



SEE PAGE 6 FOR SOCKET OPTIONS.

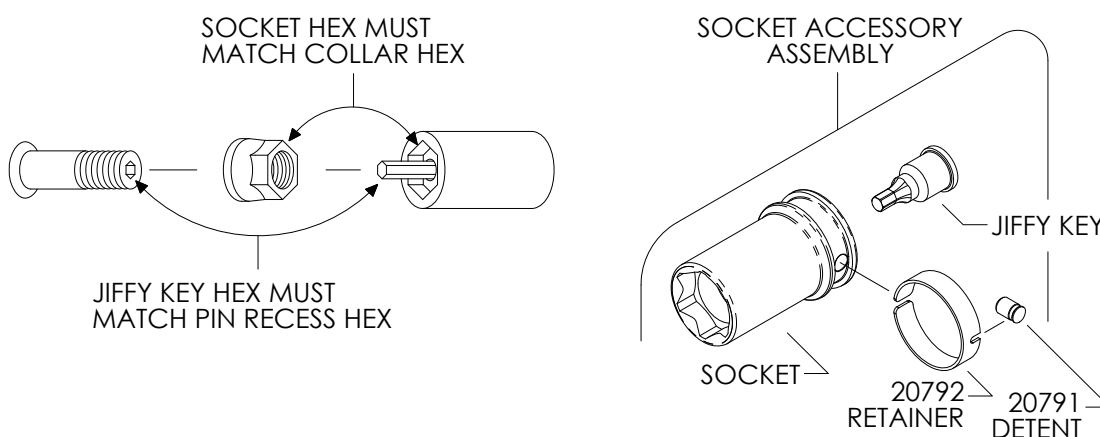
LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
1/16" 1.59mm	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	20265	20266
		SOCKET	20229	20230
		JIFFY KEY 1/16 TORQUE	20323	20324
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	20267	20268
		SOCKET	20231	20232
		JIFFY KEY 1/16 TORQUE	20323	20324

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
5/64" 1.98mm	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	20275	20276
		SOCKET	20229	20230
		JIFFY KEY 5/64 TORQUE	20325	20326
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	20277	20278
		SOCKET	20231	20232
		JIFFY KEY 5/64 TORQUE	20325	20326
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	20279	20280
		SOCKET	20233	20234
		JIFFY KEY 5/64 TORQUE	20325	20326

FITS SERIES 3 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 3/32" / 2.38mm JIFFY KEY

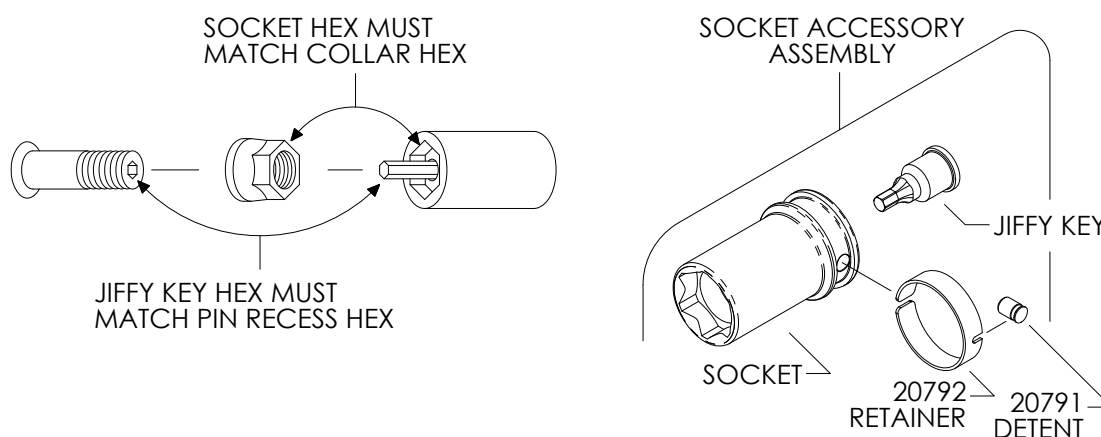


SEE PAGE 6 FOR SOCKET OPTIONS.

		LENGTH OF SOCKET		
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
3/32" 2.38mm	5/16" 7.93mm	SOCKET ACCESSORY ASSEMBLY	20281	20282
		SOCKET	20229	20230
		JIFFY KEY 3/32 TORQUE	20327	20328
	11/32" 8.73mm	SOCKET ACCESSORY ASSEMBLY	20283	20284
		SOCKET	20231	20232
		JIFFY KEY 3/32 TORQUE	20327	20328
	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	20285	20286
		SOCKET	20233	20234
		JIFFY KEY 3/32 TORQUE	20327	20328
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	20287	20288
		SOCKET	20235	20236
		JIFFY KEY 3/32 TORQUE	20327	20328
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	20289	20290
		SOCKET	20237	20238
		JIFFY KEY 3/32 TORQUE	20327	20328

FITS SERIES 3 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 1/8" / 3.17mm JIFFY KEY

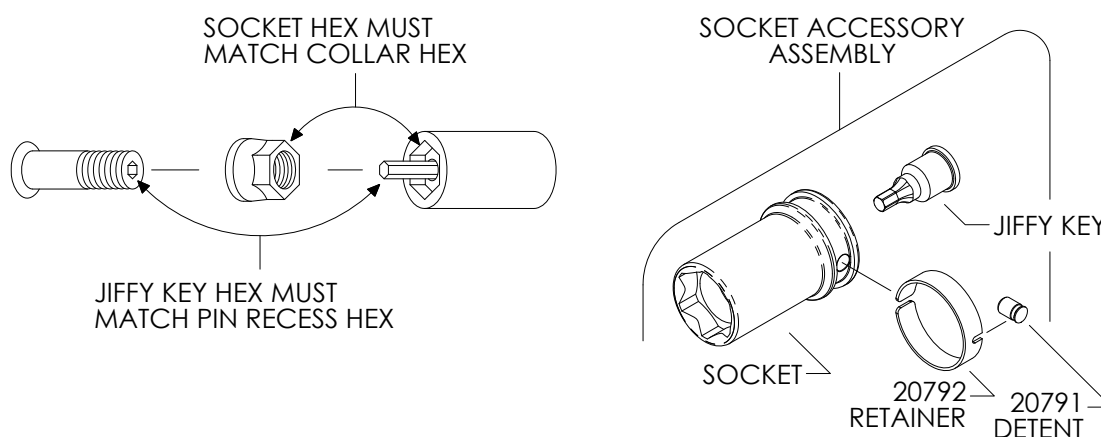


SEE PAGE 6 FOR SOCKET OPTIONS.

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	LENGTH OF SOCKET	
			1 3/4"	3 1/2"
1/8" 3.17mm	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	20291	20292
		SOCKET	20233	20234
		JIFFY KEY 1/8 TORQUE	20329	20330
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	20293	20294
		SOCKET	20235	20236
		JIFFY KEY 1/8 TORQUE	20329	20330
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	20295	20296
		SOCKET	20237	20238
		JIFFY KEY 1/8 TORQUE	20329	20330
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	20297	20298
		SOCKET	20239	20240
		JIFFY KEY 1/8 TORQUE	20329	20330

FITS SERIES 3 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 5/32" / 3.97mm JIFFY KEY

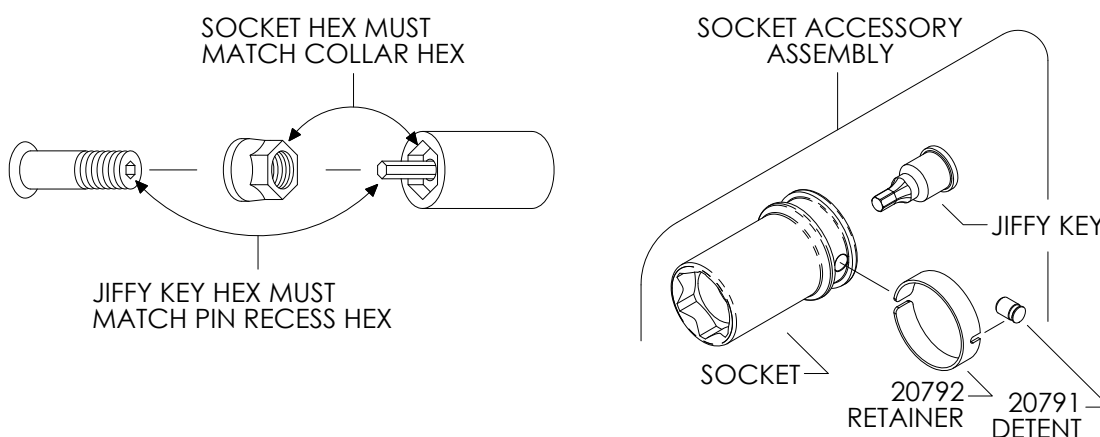


SEE PAGE 6 FOR SOCKET OPTIONS.

		LENGTH OF SOCKET		
JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
5/32" 3.97mm	3/8" 9.52mm	SOCKET ACCESSORY ASSEMBLY	20299	20300
		SOCKET	20233	20234
		JIFFY KEY 5/32 TORQUE	20331	20332
	7/16" 11.11mm	SOCKET ACCESSORY ASSEMBLY	20301	20302
		SOCKET	20235	20236
		JIFFY KEY 5/32 TORQUE	20331	20332
	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	20303	20304
		SOCKET	20237	20238
		JIFFY KEY 5/32 TORQUE	20331	20332
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	20305	20306
		SOCKET	20239	20240
		JIFFY KEY 5/32 TORQUE	20331	20332
	5/8" 15.87mm	SOCKET ACCESSORY ASSEMBLY	20307	20308
		SOCKET	20241	20242
		JIFFY KEY 5/32 TORQUE	20331	20332
	11/16" 17.46mm	SOCKET ACCESSORY ASSEMBLY	20309	20310
		SOCKET	20243	20244
		JIFFY KEY 5/32 TORQUE	20331	20332
	3/4" 19.05mm	SOCKET ACCESSORY ASSEMBLY	20311	20312
		SOCKET	20245	20246
		JIFFY KEY 5/32 TORQUE	20331	20332

FITS SERIES 3 STRAIGHT ATTACHMENTS

TORQUE CONTROL INSTALLATION 3/16" / 4.76mm JIFFY KEY



SEE PAGE 6 FOR SOCKET OPTIONS.

LENGTH OF SOCKET

JIFFY KEY HEX	SOCKET HEX	DESCRIPTION	1 3/4"	3 1/2"
3/16" 4.76mm	1/2" 12.7mm	SOCKET ACCESSORY ASSEMBLY	20313	20314
		SOCKET	20237	20238
		JIFFY KEY 5/32 TORQUE	20333	20334
	9/16" 14.29mm	SOCKET ACCESSORY ASSEMBLY	20315	20316
		SOCKET	20239	20240
		JIFFY KEY 5/32 TORQUE	20333	20334
	5/8" 15.87mm	SOCKET ACCESSORY ASSEMBLY	20317	20318
		SOCKET	20241	20242
		JIFFY KEY 5/32 TORQUE	20333	20334
	11/16" 17.46mm	SOCKET ACCESSORY ASSEMBLY	20319	20320
		SOCKET	20243	20244
		JIFFY KEY 5/32 TORQUE	20333	20334
	3/4" 19.05mm	SOCKET ACCESSORY ASSEMBLY	20321	20322
		SOCKET	20245	20246
		JIFFY KEY 5/32 TORQUE	20333	20334

MODULAR TORQUE CONTROLLED INSTALLATION MOTORS



Straight Torque Control Motors used with Attachments (Small Castle)

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT
380	23541	1/4"	2.22 lbs / 1.00 kg
250	23542	1/4"	2.64 lbs / 1.20 kg

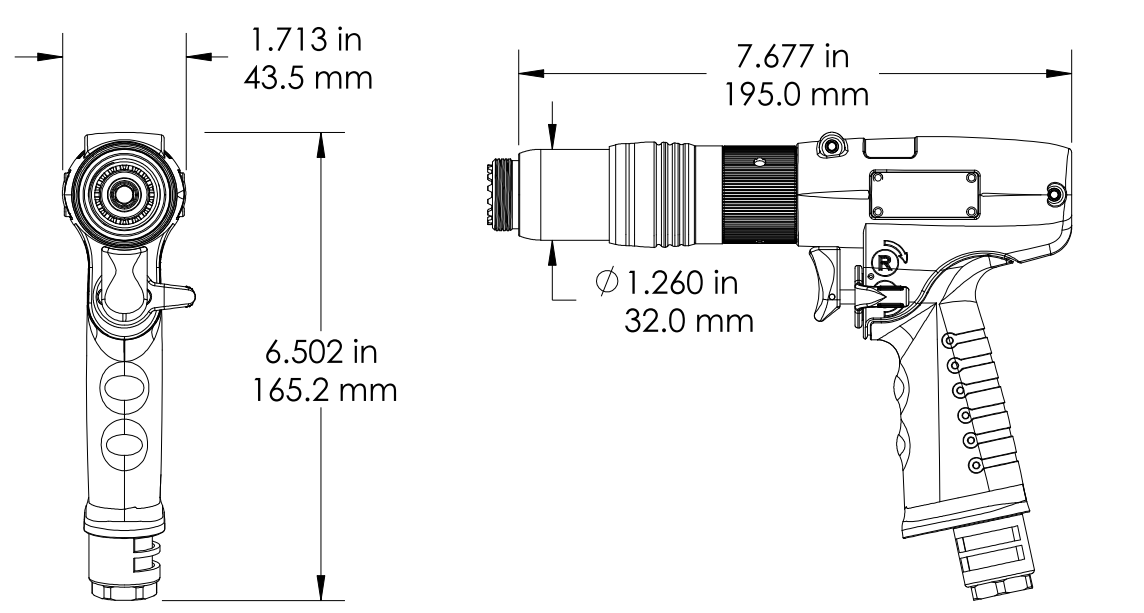
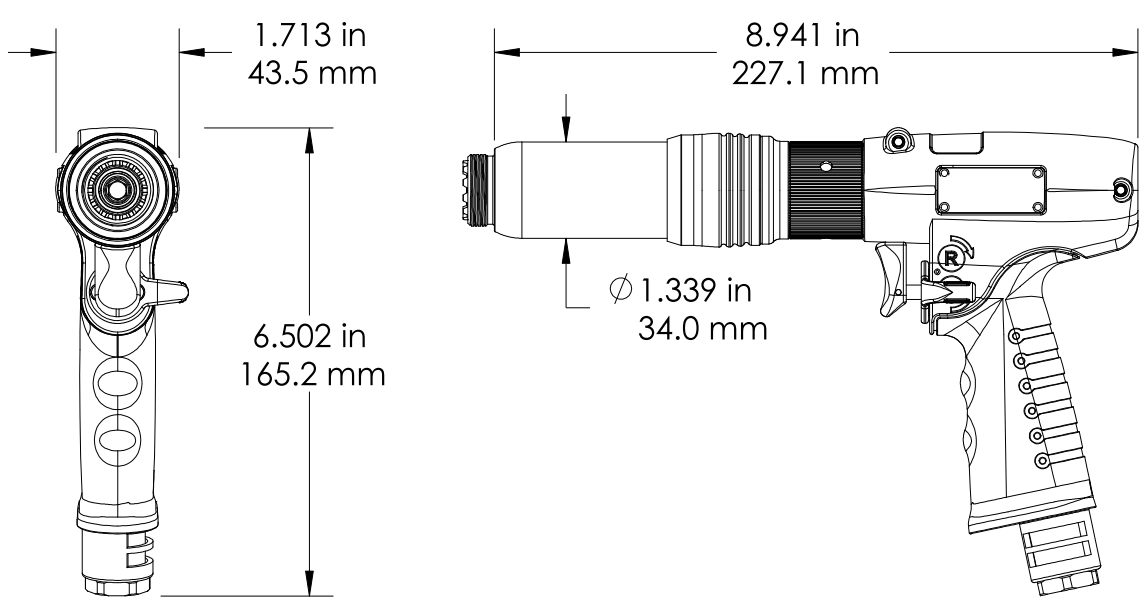


MODULAR TORQUE CONTROLLED INSTALLATION MOTORS

Straight Torque Control Motors used with Attachments (Big Castle)

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT
300	23550	1/4"	3.20 lbs / 1.45 kg
210	23553	1/4"	3.23 lbs / 1.47 kg
160	23556	1/4"	3.54 lbs / 1.61 kg

Pistol Torque Control Motors used with Attachments (Small Castle)

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT
250	23571	1/4"	2.53 lbs / 1.15 kg
 <p>Technical drawings of motor 23571. The front view shows a width of 1.713 in (43.5 mm) and a height of 6.502 in (165.2 mm). The side view shows a length of 7.677 in (195.0 mm) and a diameter of $\phi 1.260$ in (32.0 mm).</p>			
250	23572	1/4"	2.93 lbs / 1.33 kg
 <p>Technical drawings of motor 23572. The front view shows a width of 1.713 in (43.5 mm) and a height of 6.502 in (165.2 mm). The side view shows a length of 8.941 in (227.1 mm) and a diameter of $\phi 1.339$ in (34.0 mm).</p>			



MODULAR TORQUE CONTROLLED INSTALLATION MOTORS

Pistol Torque Control Motors used with Attachments (Big Castle)

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT
310	23573	1/4"	3.59 lbs / 1.63 kg
220	23574	1/4"	3.64 lbs / 1.65 kg
160	23575	1/4"	3.94 lbs / 1.79 kg

TORQUE CONTROLLED INSTALLATION MOTORS



Auto Shut-Off Pistol Torque Control Screw Driver used without Attachments

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT
250	23578	1/4" QUICK CHANGE	2.26 lbs / 1.03 kg

Torque Range at Nose Gear	
15-45	in-lbs
1.7-5.1	Nm

250	23579	1/4" QUICK CHANGE	2.50 lbs / 1.13 kg
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Torque Range at Nose Gear	
35-80	in-lbs
4-9	Nm



TORQUE CONTROLLED INSTALLATION MOTORS

Straight Torque Control Angle Nutrunners used without Attachments

***Available with 1/4" Square Drive Male**

Note: CL = Center Line

RPM	MOTOR NUMBER	HEX DRIVE SIZE	WEIGHT						
300	23543*	3/8" SQUARE MALE	2.57 lbs / 1.17 kg						
<div><div><table><tr><td colspan="2">Torque Range at Nose Gear</td></tr><tr><td>18-53</td><td>in-lbs</td></tr><tr><td>2-6</td><td>Nm</td></tr></table></div><div><p>.856 in 21.7 mm</p><p>CL</p><p>2.788 in 70.8 mm</p></div><div><p>.512 in 13.0 mm</p><p>1.173 in 29.8 mm</p><p>12.524 in 318.1 mm</p><p>CL</p><p>Ø 1.747 in 44.4 mm</p></div></div>				Torque Range at Nose Gear		18-53	in-lbs	2-6	Nm
Torque Range at Nose Gear									
18-53	in-lbs								
2-6	Nm								
160	23544*	3/8" SQUARE MALE	3.03 lbs / 1.38 kg						
<div><div><table><tr><td colspan="2">Torque Range at Nose Gear</td></tr><tr><td>20-115</td><td>in-lbs</td></tr><tr><td>2.2-13</td><td>Nm</td></tr></table></div><div><p>.801 in 20.3 mm</p><p>CL</p><p>2.788 in 70.8 mm</p></div><div><p>.539 in 13.7 mm</p><p>1.280 in 32.5 mm</p><p>12.551 in 318.8 mm</p><p>CL</p><p>Ø 1.747 in 44.4 mm</p></div></div>				Torque Range at Nose Gear		20-115	in-lbs	2.2-13	Nm
Torque Range at Nose Gear									
20-115	in-lbs								
2.2-13	Nm								
220	23551	3/8" SQUARE MALE	3.96 lbs / 1.80 kg						
<div><div><table><tr><td colspan="2">Torque Range at Nose Gear</td></tr><tr><td>80-140</td><td>in-lbs</td></tr><tr><td>9-16</td><td>Nm</td></tr></table></div><div><p>1.019 in 25.9 mm</p><p>CL</p><p>2.975 in 75.6 mm</p></div><div><p>.626 in 15.9 mm</p><p>1.494 in 37.9 mm</p><p>14.522 in 368.9 mm</p><p>CL</p><p>Ø 1.905 in 48.4 mm</p></div></div>				Torque Range at Nose Gear		80-140	in-lbs	9-16	Nm
Torque Range at Nose Gear									
80-140	in-lbs								
9-16	Nm								
150	23554	3/8" SQUARE MALE	3.96 lbs / 1.80 kg						
<div><div><table><tr><td colspan="2">Torque Range at Nose Gear</td></tr><tr><td>125-220</td><td>in-lbs</td></tr><tr><td>14-25</td><td>Nm</td></tr></table></div><div><p>1.018 in 25.9 mm</p><p>CL</p><p>2.975 in 75.6 mm</p></div><div><p>.626 in 15.9 mm</p><p>1.496 in 37.9 mm</p><p>14.522 in 368.9 mm</p><p>CL</p><p>Ø 1.905 in 48.4 mm</p></div></div>				Torque Range at Nose Gear		125-220	in-lbs	14-25	Nm
Torque Range at Nose Gear									
125-220	in-lbs								
14-25	Nm								
110	23557	3/8" SQUARE MALE	4.62 lbs / 2.10 kg						
<div><div><table><tr><td colspan="2">Torque Range at Nose Gear</td></tr><tr><td>215-400</td><td>in-lbs</td></tr><tr><td>24-45</td><td>Nm</td></tr></table></div><div><p>1.095 in 25.9 mm</p><p>CL</p><p>2.975 in 75.6 mm</p></div><div><p>.728 in 18.5 mm</p><p>1.315 in 33.4 mm</p><p>16.162 in 410.5 mm</p><p>CL</p><p>Ø 1.905 in 48.4 mm</p></div></div>				Torque Range at Nose Gear		215-400	in-lbs	24-45	Nm
Torque Range at Nose Gear									
215-400	in-lbs								
24-45	Nm								

TORQUE MOTOR ADJUSTMENT

**WARNING:**

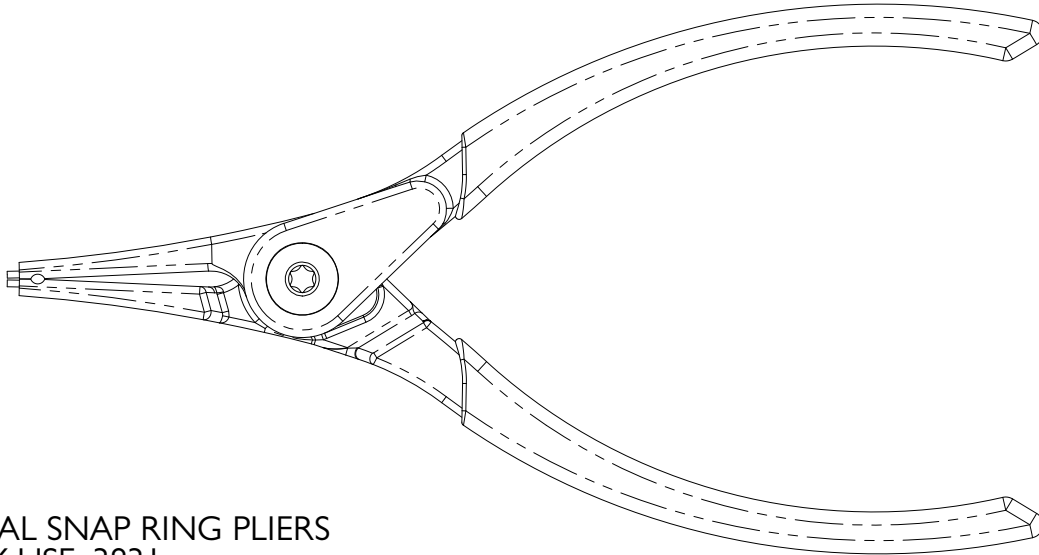
TORQUE CONTROL TOOLS ARE PRESET AT THE FACTORY TO THE CUSTOMERS TORQUE SPECIFICATION.

REMOVAL OF ATTACHMENT OR ADJUSTMENT OF CLUTCH REQUIRES RE-VERIFICATION!**INSTRUCTIONS:**

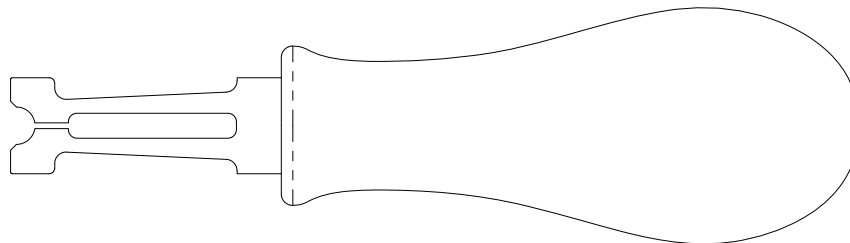
1. DISCONNECT TOOL FROM AIR SUPPLY.
2. SLIDE ADJUSTMENT COVER FORWARD FOR ACCESS TO ADJUSTMENT SLOT.
3. ROTATE MOTOR UNTIL THE U-SHAPED TOOL RECESS IS WITHIN VIEW OF THE WINDOW. INSERT INCLUDED ADJUSTMENT TOOL INTO SLOT. - - WARNING: DO NOT USE SIMILARLY SHAPED TOOLS TO REPLICATE THE ADJUSTMENT TOOL.
4. TURN COUNTER-CLOCKWISE TO INCREASE TORQUE SHUTOFF LIMIT.
5. VERIFY OUTPUT TORQUE WITH AN APPROPRIATE TORQUE TRANSDUCER. IF THE MOTOR USES AN ATTACHMENT, VERIFY TORQUE AT THE NOSE GEAR OF THE ATTACHMENT.



ACCESSORIES



22943
EXTERNAL SNAP RING PLIERS
PRIMARY USE: 3831



20514
C-CLIP INSTALL TOOL
PRIMARY USE: 17816



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



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.

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

[illegible]

[illegible]



SERVICE POLICY

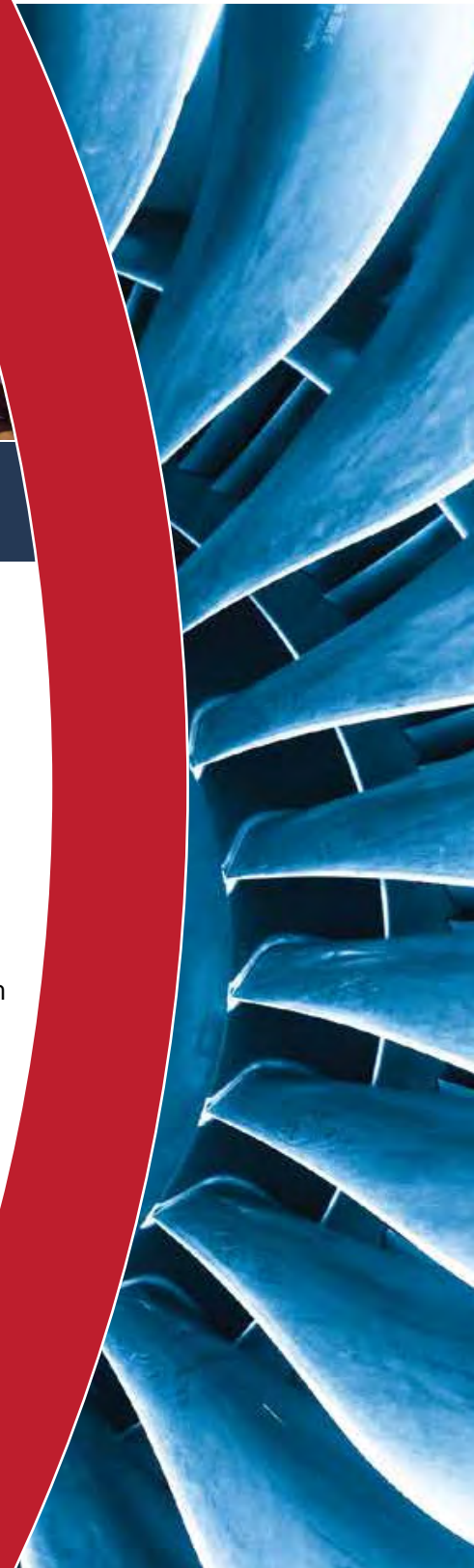
FULL SIX MONTH WARRANTY

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%





Applifast.



251 Cree Crescent, Winnipeg, MB Canada R3J 3X4
Tel: 204 837 8361 • 1 800 563 1293
info@applifast.com



applifast.com