

If you want control ... you need the right connections

“ErgoTorq”™

Patented product's specifically designed to provide solutions to pulse and nutrunner assembly tooling Safety, Ergonomic, Quality, Reliability and Cost Down problems.

“ErgoTorq”™
Assembly Tooling Accessories

Pulse tool Guided Extensions & extended sockets

Pulse tool Guided quick change “Adaptors”™

Pulse tool Guided Sockets & Socket “Adaptors”

Attachment Covers
“Non-Rotating”

NEW!

“Dual-drive” Socket Allows the rundown two different size fasteners with the same socket.

“Slip Type”

“Non-rotating/Retractable” Bit Holder Cover

Guided Extension “Collar”

Standard “PinchPoint Protector”

“Ultralite” extensions weigh up to 50% less

Durability tested to 100,000 cycles!

Superior selection, performance and delivery, at reduced cost !

"ErgoTorq" "Guided" Pulse Tool Extensions

(U.S. Patent #6,321,855)

"Standard Weight" Pulse Tool Extensions

Uryu, Aimco, Yakota, Ingersoll Rand, Sioux and Fuji(*) Pulse Tool Part #'s

(*)Fuji models with exposed anvil behind square drive of > .385"

3/8" Square Drive

Length	Part#
4"	AREX3-4(1)
6"	AREX3-6(1)
8"	AREX3-8(1)
10"	AREX3-10(1)
12"	AREX3-12(1)

1/2" Square Drive

Length	Part#
4"	AREX4-4(3)
6"	AREX4-6(3)
8"	AREX4-8(3)
10"	AREX4-10(3)
12"	AREX4-12(3)

Atlas Copco Pulse Tool Part #'s

3/8" Square Drive

Length	Part#
4"	AREX3-4(2)
6"	AREX3-6(2)
8"	AREX3-8(2)
10"	AREX3-10(2)
12"	AREX3-12(2)

1/2" Square Drive

Length	Part#
4"	AREX4-4(5)
6"	AREX4-6(5)
8"	AREX4-8(5)
10"	AREX4-10(5)
12"	AREX4-12(5)

**Superior selection,
performance and
delivery then any
competitors product
at reduced cost !**

"Ultralite" Pulse Tool Extensions *up to 50% lighter than standard extensions !!!*

Uryu, Aimco, Yakota, Ingersoll Rand, Sioux and Fuji(*) Pulse Tool Part #'s

(*)Fuji models with exposed anvil behind square drive of > .385"

3/8" Square Drive

Length	Part#
4"	ARUEX3-4(1)
6"	ARUEX3-6(1)
8"	ARUEX3-8(1)
10"	ARUEX3-10(1)
12"	ARUEX3-12(1)

1/2" Square Drive

Length	Part#
4"	ARUEX4-4(3)
6"	ARUEX4-6(3)
8"	ARUEX4-8(3)
10"	ARUEX4-10(3)
12"	ARUEX4-12(3)

**Durability tested
to 100,000 cycles !**

Atlas Copco Pulse Tool Part #'s

3/8" Square Drive

Length	Part#
4"	ARUEX3-4(2)
6"	ARUEX3-6(2)
8"	ARUEX3-8(2)
10"	ARUEX3-10(2)
12"	ARUEX3-12(2)

1/2" Square Drive

Length	Part#
4"	ARUEX4-4(5)
6"	ARUEX4-6(5)
8"	ARUEX4-8(5)
10"	ARUEX4-10(5)
12"	ARUEX4-12(5)



*** Standard & "Ultralite" extensions are available in any length and drive end configuration**

Simply ask your **ErgoTorq** Authorized Distributor for a quote or use our online quote form at www.ergotorq.com

“ErgoTorq”

“Guided” Sockets For Pulse Tool to Socket Applications

(U.S. Patent #6,321,855)

Superior selection, performance and delivery then any competitors product at reduced cost!

Pulse Tool 6 Point, Standard Length, Non-Magnetic Sockets

Uryu, Aimco, Yakota, Ingersoll Rand, Sioux and Fuji(*) Pulse Tool Part #'s

(*)Fuji models with exposed anvil behind square drive of > .385"

3/8" Square Drive Standard

Fastener Size	Part#
3/8"	AR3112(1)
7/16"	AR3114(1)
1/2"	AR3116(1)
9/16"	AR3118(1)
5/8"	AR3120(1)
11/16"	AR3122(1)
3/4"	AR3124(1)
13/16"	AR3126(1)

3/8" Square Drive Metric

Fastener Size	Part#
10mm	AR10mm13(1)
11mm	AR11mm13(1)
12mm	AR12mm13(1)
13mm	AR13mm13(1)
14mm	AR14mm13(1)
15mm	AR15mm13(1)
16mm	AR16mm13(1)
17mm	AR17mm13(1)

1/2" Square Drive Standard

Fastener Size	Part#
1/2"	AR5116(3)
9/16"	AR5118(3)
5/8"	AR5120(3)
11/16"	AR5122(3)
3/4"	AR5124(3)
13/16"	AR5126(3)
7/8"	AR5128(3)
15/16"	AR5130(3)
1"	AR5132(3)

1/2" Square Drive Metric

Fastener Size	Part#
12mm	AR12mm15(3)
14mm	AR14mm15(3)
16mm	AR16mm15(3)
18mm	AR18mm15(3)
19mm	AR19mm15(3)
20mm	AR20mm15(3)
22mm	AR22mm15(3)
24mm	AR24mm15(3)
25mm	AR25mm15(3)

Atlas Copco Pulse Tool Part #'s

3/8" Square Drive Standard

Fastener Size	Part#
3/8"	AR3112(2)
7/16"	AR3114(2)
1/2"	AR3116(2)
9/16"	AR3118(2)
5/8"	AR3120(2)
11/16"	AR3122(2)
3/4"	AR3124(2)
13/16"	AR3126(2)

3/8" Square Drive Metric

Fastener Size	Part#
10mm	AR10mm13(2)
11mm	AR11mm13(2)
12mm	AR12mm13(2)
13mm	AR13mm13(2)
14mm	AR14mm13(2)
15mm	AR15mm13(2)
16mm	AR16mm13(2)
17mm	AR17mm13(2)

1/2" Square Drive Standard

Fastener Size	Part#
1/2"	AR5116(5)
9/16"	AR5118(5)
5/8"	AR5120(5)
11/16"	AR5122(5)
3/4"	AR5124(5)
13/16"	AR5126(5)
7/8"	AR5128(5)
15/16"	AR5130(5)
1"	AR5132(5)

1/2" Square Drive Metric

Fastener Size	Part#
12mm	AR12mm15(5)
14mm	AR14mm15(5)
16mm	AR16mm15(5)
18mm	AR18mm15(5)
19mm	AR19mm15(5)
20mm	AR20mm15(5)
22mm	AR22mm15(5)
24mm	AR24mm15(5)
25mm	AR25mm15(5)



Pulse Tool Quick Change Adapters

Uryu / Aimco Pulse Tool Part #'s

(*)Fuji models with exposed anvil behind square drive of > .385"

3/8" Square Drive

Hex Drive	Part#
1/4"	ARQR-308(1)
7/16"	ARQR-314(1)

1/2" Square Drive

Hex Drive	Part#
1/4"	ARQR-508(3)
7/16"	ARQR-514(3)
5/8"	ARQR-520(3)

Atlas Copco Pulse Tool Part #'s



3/8" Square Drive

Hex Drive	Part#
1/4"	ARQR-308(2)
7/16"	ARQR-314(2)

1/2" Square Drive

Hex Drive	Part#
1/4"	ARQR-508(5)
7/16"	ARQR-514(5)
5/8"	ARQR-520(5)

“Guided” Sockets for pulse tool to socket applications are available for virtually any tooling accessory and can be designed to fit any manufacturers pulse tool!

(Simply ask your ErgoTorq Authorized Distributor for a quote or use our online quote form at www.ergotorq.com)

“ErgoTorq”

“Guided” Sockets For “ErgoTorq” Pulse Tool Type Extensions to Socket Applications

(U.S. Patent #6,321,855)

Superior selection, performance and delivery then any competitors product at reduced cost !

Virtually ANY tooling accessory is available in our guided format to fit our “ErgoTorq” pulse tool extensions !

“Guided” 6 Point, Standard Length, Non-Magnetic Sockets

3/8" Square Drive Standard

Fastener Size	Part#
3/8"	AR3112(EX3)
7/16"	AR3114(EX3)
1/2"	AR3116(EX3)
9/16"	AR3118(EX3)
5/8"	AR3120(EX3)
11/16"	AR3122(EX3)
3/4"	AR3124(EX3)
13/16"	AR3126(EX3)

3/8" Square Drive Metric

Fastener Size	Part#
10mm	AR10mm13(EX3)
11mm	AR11mm13(EX3)
12mm	AR12mm13(EX3)
13mm	AR13mm13(EX3)
14mm	AR14mm13(EX3)
15mm	AR15mm13(EX3)
16mm	AR16mm13(EX3)
17mm	AR17mm13(EX3)

1/2" Square Drive Standard

Fastener Size	Part#
1/2"	AR5116(EX4)
9/16"	AR5118(EX4)
5/8"	AR5120(EX4)
11/16"	AR5122(EX4)
3/4"	AR5124(EX4)
13/16"	AR5126(EX4)
7/8"	AR5128(EX4)
15/16"	AR5130(EX4)
1"	AR5132(EX4)

1/2" Square Drive Metric

Fastener Size	Part#
12mm	AR12mm15(EX4)
14mm	AR14mm15(EX4)
16mm	AR16mm15(EX4)
18mm	AR18mm15(EX4)
19mm	AR19mm15(EX4)
20mm	AR20mm15(EX4)
22mm	AR22mm15(EX4)
24mm	AR24mm15(EX4)
25mm	AR25mm15(EX4)

“Guided” Sockets for “ErgoTorq” pulse tool type extension to socket applications are available for virtually any tooling accessory !

(Simply ask your **ErgoTorq** Authorized Distributor for a quote or use our online quote form at www.ergotorq.com)

ErgoTorq "Socket Adaptors"

for Uryu Pulse Tools > Apex Accessories

(U.S. Patent #6,321,855)

"Adaptors" for Uryu Pulse Tools > Apex Sockets

3/8" Square Drive	>	3/4"(.750") (QR308)	=	AR06A(1)
		13/16"(.813")		AR07A(1)
		7/8"(.875")		AR08A(1)
		15/16"(.938")		AR09A(1)
		1"(1.000")		AR10A(1)
		1-1/16" (1.063")		AR10A2(1)
		1.113" (QR314)		AR10A1(1)
		1-1/8" (1.125")		AR11A(1)
		1-1/4" (1.250")		AR12A(1)
		0.925" (QR508)		AR12A1(3)
1/2" Square Drive	>	15/16"(.938")	=	AR13A(3)
		1"(1.000")		AR14A(3)
		1-1/16" (1.063")		AR14A2(3)
		1.113" (QR514)		AR14A1(3)
		1-1/8" (1.125")		AR15A(3)
		1-1/4" (1.250")		AR16A(3)
		1-5/16" (1.312")		AR16A1(3)
		1-3/8" (1.375")		AR17A(3)
		1-1/2" (1.500")		AR18A(3)
		1-5/8" (1.625")		AR19A(3)
		1-3/4" (1.750")		AR20A(3)
		1-7/8" (1.875")		AR21A(3)
		1-15/16" (1.938")		AR22A(3)
		2" (2.000")		AR23A(3)
		2-1/8" (2.125")		AR24A(3)
		2-1/4" (2.250")		AR25A(3)
		2-3/8" (2.375")		AR26A(3)
		2-1/2" (2.500")		AR27A(3)

For Atlas Copco pulse tools simply change the (1) to a (2) or the (3) to a (5)

"Adaptors" for Apex Extensions > Apex Sockets

Apex Extension Series		* Socket - Drive End O.D.		"ErgoTorq" Part #'s
EX-250 (1/4" square drive extension)	>	1/2"(.500")	=	AR33A
		9/16"(.563")		AR34A
		5/8"(.625")		AR35A
		11/16"(.6875")		AR35A1
		3/4"(.750")		AR36A
		13/16"(.813")		AR37A
EX-376 (3/8" square drive extension)	>	7/8"(.875")	=	AR38A
		5/8"(.625)		AR38A1
		3/4"(.750")		AR39A
		13/16"(.813")		AR40A
		7/8"(.875")		AR41A
		15/16"(.938")		AR42A
		1"(1.000")		AR43A
		1-1/16" (1.063")		AR43A1
		1-1/8" (1.125")		AR44A
		1-1/4" (1.250")		AR45A
EX-508 (1/2" square drive extension)	>	15/16"(.938")	=	AR46A
		1"(1.000")		AR47A
		1-1/16" (1.063")		AR47A1
		1-1/8" (1.125")		AR48A
		1-1/4" (1.250")		AR49A
		1-5/16" (1.312")		AR49A1
		1-3/8" (1.375")		AR50A
		1-1/2" (1.500")		AR51A
		1-5/8" (1.625")		AR52A
		1-3/4" (1.750")		AR53A
		1-7/8" (1.875")		AR54A
		1-15/16" (1.938")		AR55A
		2" (2.000")		AR56A
		2-1/8" (2.125")		AR57A
		2-1/4" (2.250")		AR58A
2-3/8" (2.375")	AR59A			
2-1/2" (2.500")	AR60A			

"ErgoTorq" Adaptors easily convert any socket into an ergo guided pulse tool attachment.



* PLEASE NOTE : To determine socket drive end O.D., check "C" dimensions in Apex catalogue.

* Virtually any standard 3/8", 1/2" & 3/4" drive attachment is available in pulse tool format.

(Simply ask your ErgoTorq Authorized Distributor for a quote or use our online quote form at www.ergotorq.com.)

"ErgoTorq"

Nutrunner Guided Extensions, & "PinchPoint Protectors"

(U.S. Patent #6,123,157)

Atlas Copco Nutrunner Guide Extension "Collar" Part #'s

Anglehead Tools

Square Drive	A.C. Front Nut # or Thread O.D.'s	"Collar" Part #'s
3/8"	4210 1877 00	AR200-A1
3/8"	4210 3349 00	AR200-A2
3/8"	4210 3349 01	AR200-A2(01)
3/8"	4210 3349 02	AR200-A2(02)
1/2"	4210 3349 03	AR200-A2(03)
3/8"	4210 3349 05	AR200-A2(05)
3/8"	4210 2492 00	AR200-A5
1/2"	4210 1140 00	AR200-A6
1/2"	4210 1141 00	AR200-A7
3/8"	4220 0791 00	AR200-A9
3/8"	4220 1994 00	AR200-A10
1/2"	M34 X 0.75 LH thread	AR200-A10ET
1/2"	4220 1992 00	AR200-A11
1/2"	M39 X 1.0 LH thread	AR200-A11ET
3/8"	4210 3860 00	AR200-A12
1/4"	4210 4036 00	AR200-A13
1/4"	4110 1407 00	AR200-A14
3/8"	4220 1742 06	AR200-A15
3/8"	4210 4446 00	AR200-A16
3/8"	M27 X 0.75 LH thread	AR200-A17ET
3/8"	4810 3260 00	AR200-A18
1/2"	M43 X 1 LH thread	AR200-A19ET
1/2"	M48 X 1 LH thread	AR200-A20ET

Anglehead Tools

Square Drive	A.C. Front Nut Part#	"PinchPoint Protector" Part #'s
3/8"	4210 1877 00	PP200-A1
3/8"	4220 1994 00	PP200-A10 *
3/8"	4210 3349 00	PP200-A2
3/8"	4210 3349 01	PP200-A2(01)
3/8"	4210 3349 02	PP200-A2(02)
3/8"	4210 2492 00	PP200-A5
1/2"	4220 1992 00	PP200-A11 *
1/2"	4210 3349 03	PP200-A2(03)
1/2"	4210 1140 00	PP200-A6
1/2"	4210 1141 00	PP200-A7

Inline Tools

Square Drive	A.C. Reaction Bar Nut Part#	"Collar" Part #'s
3/8"	4210 2135 00	AR200-S1
3/8"	4210 2135 00	AR200-S1T (telescoping)
3/8"	4220 1028 00	AR200-S3
3/8"	4210 1799 00	AR200-S4
1/2"	4210 2218 00	AR200-S2
1/2"	4210 2218 00	AR200-S2T (telescoping)
1/2"	4210 2135 00	AR200-S5

Pistol Grip Tools

Square Drive	"Reaction Bar Nut" Part#	"Collar" Part #'s
3/8"	4220-1028-00	AR200-P2
1/2"	4210-2135-00	AR200-P3

Developing Collar & Extension Part #'s

To determine your "Collar" & Extension Part #, simply add required extension information in ()'s after the "ErgoTorq" "Collar" Part#, using a 3 for 3/8" drive or 4 for 1/2" drive and the length of extension.

Example : Part#- AR200-A1(3-8) for a "Collar" and 3/8" X 8" extension.

For an *Ultralite* extension insert a U in front of the the drive size number. eg.(U3-8)

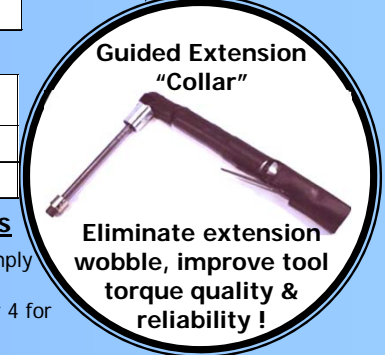
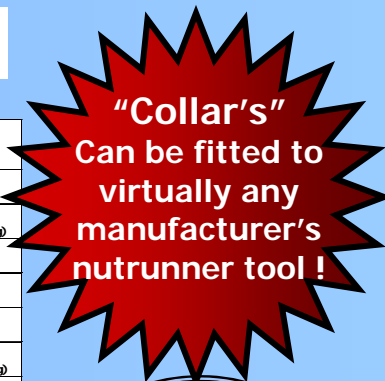
Atlas Copco Nutrunner "PinchPoint Protector" Part #'s

Inline Tools

Square Drive	A.C. Reaction Bar Nut Part#	"PinchPoint Protector" Part #'s
3/8"	4210 2135 00	PP200-S1
3/8"	4210 2135 00	PP200-S1T (telescoping)
3/8"	4220 1028 00	PP200-S3
3/8"	4210 1799 00	PP200-S4
1/2"	4210 2218 00	PP200-S2
1/2"	4210 2218 00	PP200-S2T (telescoping)
1/2"	4210 2135 00	PP200-S5

Pistol Grip Tools

Square Drive	A.C. Reaction Bar Nut Part#	"PinchPoint Protector" Part #
3/8"	4220-1028-00	PP200-P2
1/2"	4210-2135-00	PP200-P3



To complete your "PinchPoint Protector" Part #, simply add a / and the three decimal place O.D. of the socket being used, and an (S) for "Standard" Example : PP200-A1/.750(S)

"Ultralite" Standard Square Drive Extensions

Durability tested to 100,000 cycles !

Up to 50% lighter than normal extensions !

3/8" Square Drive

Length	Part#
4"	AUEX3-4
6"	ARUEX3-6
8"	ARUEX3-8
10"	ARUEX3-10
12"	ARUEX3-12

1/2" Square Drive

Length	Part#
4"	ARUEX4-4
6"	ARUEX4-6
8"	ARUEX4-8
10"	ARUEX4-10
12"	ARUEX4-12

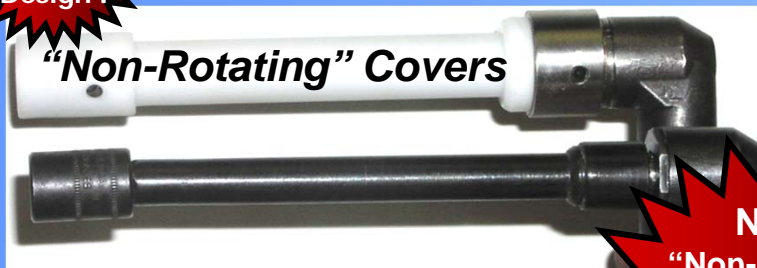
For extension lengths longer than 12", simply ask for a quote.



“ErgoTorq”

Tooling Attachment “Non-Rotating” and “Slip Type”
“Anti-mutilation/Safety Covers”

OSHA
Approved
Design !



“Non-Rotating” Covers



Fit any
manufacturers
attachments !

NEW!

“Non-Rotating”
anti-mutilation &
safety covers
provide **ULTIMATE**
operator safety!

“Slip Type” Covers



“Non-Rotating/Retractable”
Covered Bit Holders

1/4" > 1/2" dr. sockets & extension up to 12"

- eliminate the potential of “**Product Mutilation**” defects caused by rotating tooling attachments coming into contact with finished surfaces
- are available in guided format for pulse tool applications or standard drive format for nutrunner type tools

- eliminate the “**Rotating Shaft Safety Hazard**” which can cause serious injuries to operators who are continually exposed to
- can be designed for use with various fastener sizes as well as our “*Ultralite*” extensions to meet the specific needs of the customer

Ask your local ErgoTorq Distributor for a quote or contact us directly !

“Dual-Drive” Sockets

“NEW”

Dual-drive sockets
will significantly
reduce process
cycle times !



* “Dual-drive” sockets
are available in virtually
any drive size and type
configurations.

(Simply ask your **ErgoTorq**
Authorized Distributor for a quote.)

- *Patent Pending* design allows tooling operators to rundown two different size fasteners with the same socket without having to handle the socket
- available in guided format for pulse tool applications or standard drive format for nutrunner tools

- can be designed for use on a wide range of various fastener sizes to meet the needs of the customer
- significant cycle time reductions can be achieved with this “NEW” innovative product !!!

For ordering/quotes or product information, contact your local ErgoTorq distributor, call Ergonomics Specialties at (519) 425-2604, visit our web-site at www.ergotorq.com and submit an order, request a quote or e-mail us at ergotorq@execulink.com