



## ■ Modularization: the future of assembly

Atlas Copco has been a preferred supplier to the global manufacturing industry for decades. We were the first company to develop and introduce smart electric tools into factories more than 30 years ago.

Today, we introduce a new product and a new approach to tailor-made solutions that secure tube nuts and joints in cramped areas.

The modularized approach of custom-made tools with Saltus Geared Front Attachments (GFAs) allows you to configure your solution in more than 100,000 combinations.

Configure your  
solution in  
more than

**100,000**  
combinations



## ■ Leave no bolt unturned

### Closed Offset Torque application

A large choice of GFA COT (Closed Offset Torque applications) models, with different number of gear stages and output gear models, ensures a custom fit for every application, meaning zero time wasted searching for the bolt.



### Open Offset Torque application

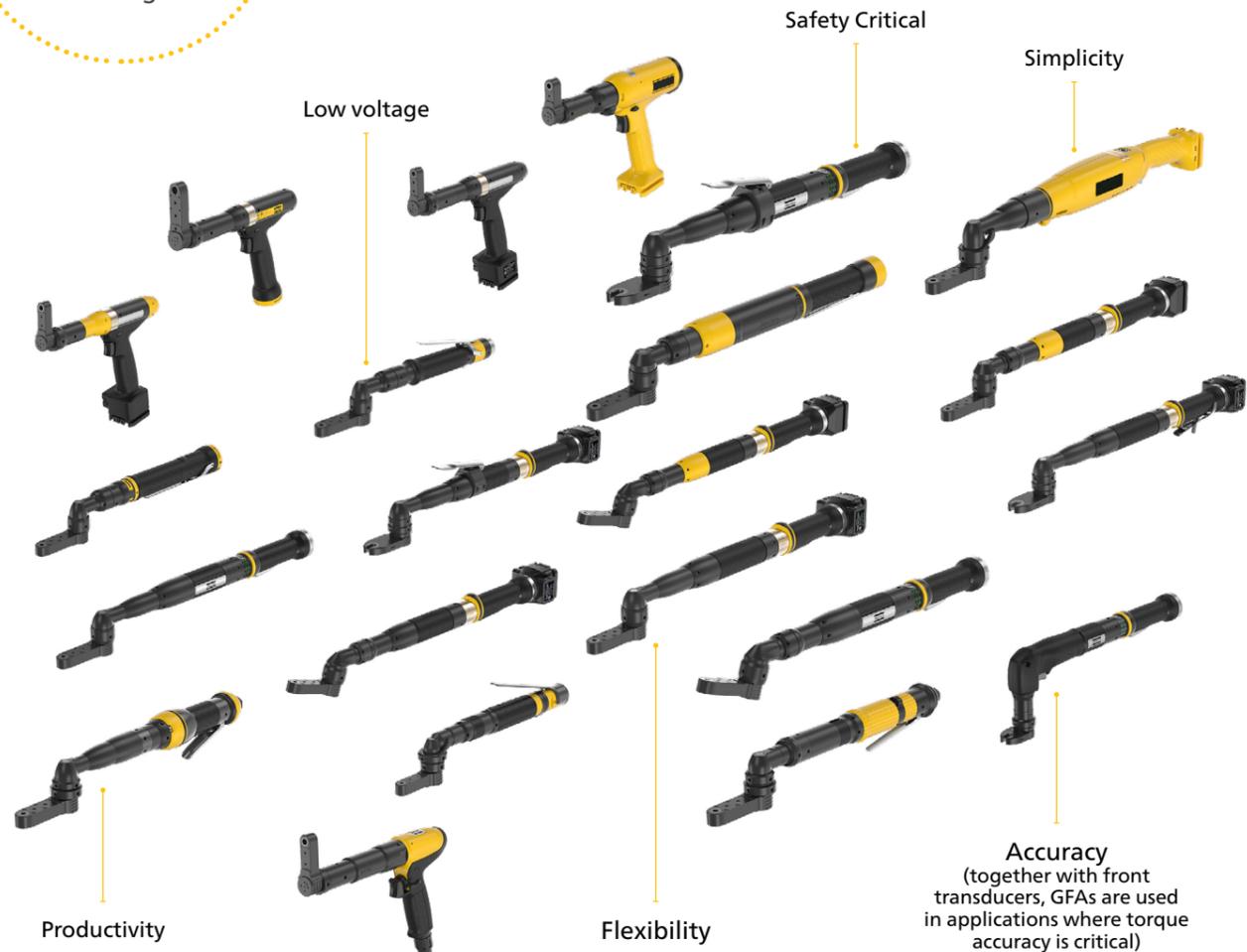
A large choice of GFA OOT (Open Offset Torque applications) models mean a fit for each tube nut and B nut. It allows you to secure joints when upper space is limited. The output gear will fit the application with different extensions and mounting positions (upward or downward).



Models are available in a number of gear stages which allow for length extension, helping to reach difficult-to-access joints. Narrow models offer the possibility of reaching several tube nuts concentrated in small areas such as on ABS control module installations in vehicles.

## A solution for every application

Whatever your need, our **wide range** of Saltus GFA solutions will answer your challenge

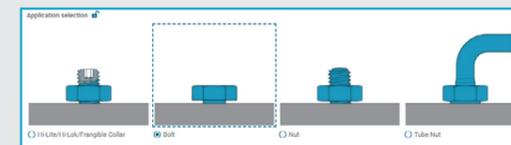


## Customization in your hands

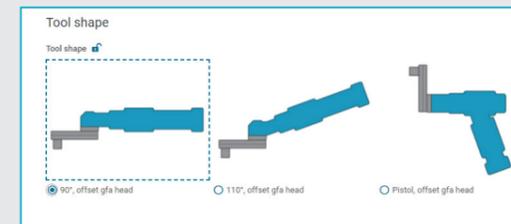
Smart algorithms and automation design in our configuration system allow us to take your requirements and needs and convert them into a complete solution within minutes. The solutions are available to order within 24 hours.

This modular approach means we can quickly quote an optimized solution and it also eliminates the risk of errors in the quoting process.

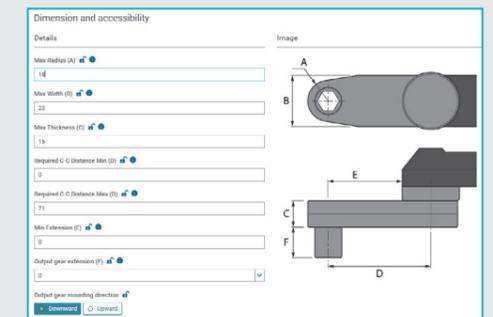
Available to order within **24 hours**



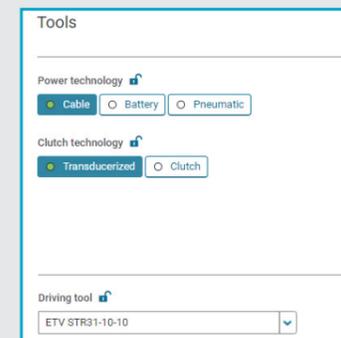
1. Define the application



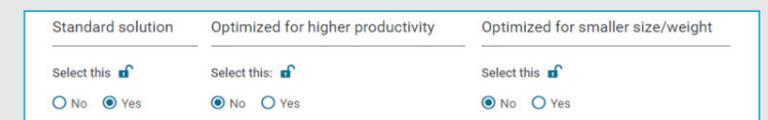
2. Choose the right shape of tool



3. Define the dimensional requirements



5. Choose the driving unit



4. Optimize the solution according to customer needs

Our customized solutions can be assembled with the driving unit and accessories in the standard assembly line. This means they go through all the standard

testing and calibration procedure, giving you a tool that is certified and ready to use, out of the box.

## Engineering excellence

Saltus GFA's patented solution can increase greasing intervals by up to 60%, leading to reduced maintenance costs.

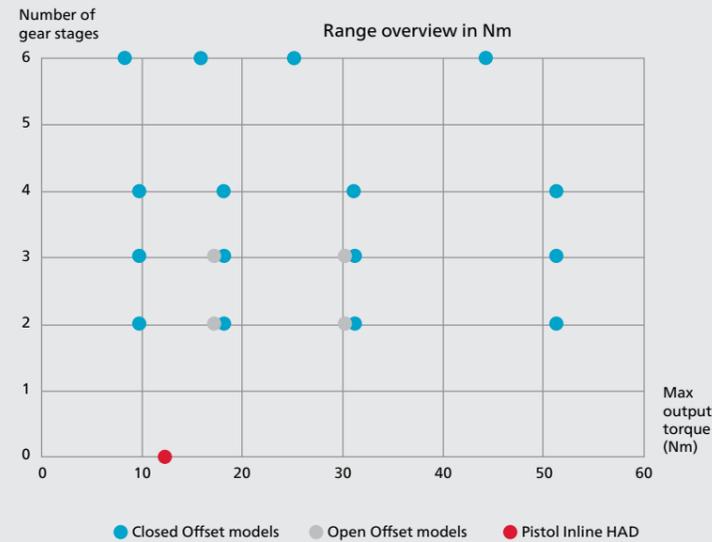


The 110° angle head is perfect for multiple tightening applications. Replacing a pistol grip tool with a 110° angle head will dramatically reduce the reaction force to the operator.

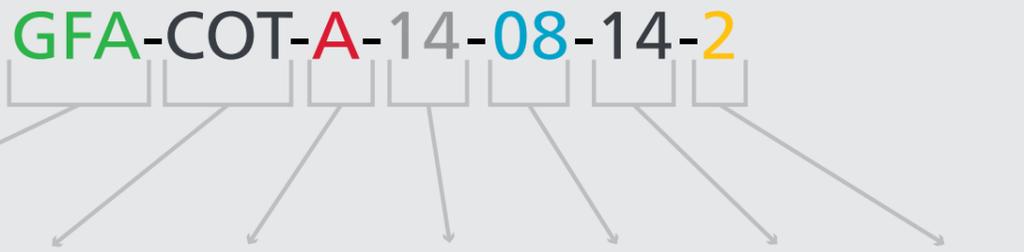


## Range overview (Nm)

3 main product lines are available:



## Saltus GFA naming



Portfolio name	Product description	Input drive	Average Max input torque (only for info)	Housing radius	Housing thickness	Number of gears stages
<b>Geared Front Attachment</b>	<b>C/O/H = Closed/Open/ Hold &amp; Drive</b> <b>O/I = Offset/Inline</b> <b>T = Torque application</b>	<b>A = 1/4"</b> <b>B = 3/8"</b> <b>C = 1/2"</b> <b>H = 1/4" Hex</b>	<b>14 = 14Nm</b>	<b>8 = 8 mm</b>	<b>14 = 14Nm</b>	

## Technical data

### GFA-COT-X-14-08-14-X

Designation	Square drive	Max output	Radius	Height	Width	Center-to-center	Max output	Gear stages	Gear ratio	Theoretical efficiency	Max hex size flush	Max A/F 2-p Sockets
GFA-COT-A-14-08-14-2	1/4"	9.5	8.1	14	0.5	26.3	9.5	2	1	0.85	11/32" - 8,7mm	11,5mm
GFA-COT-B-14-08-14-2	3/8"	9.5	8.1	14	0.5	39.5	9.5	3	1	0.8	11/32" - 8,7mm	11,5mm
GFA-COT-A-14-08-14-3	1/4"	9.5	8.1	14	0.5	52.9	9.5	4	1	0.75	11/32" - 8,7mm	11,5mm
GFA-COT-B-14-08-14-3	3/8"	9.5	8.1	14	0.7	79.5	8.1	6	1	0.68	11/32" - 8,7mm	11,5mm
GFA-COT-A-14-08-14-4	1/4"	9.5	8.1	14	0.7	79.5	8.1	6	1	0.68	11/32" - 8,7mm	11,5mm
GFA-COT-B-14-08-14-4	3/8"	8.1	8.1	14	0.7	79.5	8.1	6	1	0.68	11/32" - 8,7mm	11,5mm
GFA-COT-A-14-08-14-6	1/4"	8.1	8.1	14	0.7	79.5	8.1	6	1	0.68	11/32" - 8,7mm	11,5mm
GFA-COT-B-14-08-14-6	3/8"	8.1	8.1	14	0.7	79.5	8.1	6	1	0.68	11/32" - 8,7mm	11,5mm

### GFA-COT-B-26-10-15-X

Designation	Square drive	Max Output torque	Radius	Height	Width	Center-to-center	Gear stages	Gear ratio	Theoretical efficiency	Max hex size flush	Max A/F 2-p Sockets
GFA-COT-B-26-10-15-2	3/8"	18	10.2	15	22.4	34.6	2	1	0.85	3/8" - 10mm	16,5mm
GFA-COT-B-26-10-15-3	3/8"	18	10.2	15	22.4	52.7	3	1	0.8	3/8" - 10mm	16,5mm
GFA-COT-B-26-10-15-4	3/8"	18	10.2	15	22.4	70.8	4	1	0.75	3/8" - 10mm	16,5mm
GFA-COT-B-26-10-15-6	3/8"	15.6	10.2	15	22.4	107	6	1	0.68	3/8" - 10mm	16,5mm

### GFA-COT-B-41-13-15-X

Designation	Square drive	Max Output torque	Radius	Height	Width	Center-to-center	Gear stages	Gear ratio	Theoretical efficiency	Max hex size flush	Max A/F 2-p Sockets
GFA-COT-B-41-13-15-2	3/8"	31	13	15	30	44.4	2	1.08	0.85	9/16" - 14mm	19,5mm
GFA-COT-B-41-13-15-3	3/8"	31	13	15	30	67.4	3	1.08	0.8	9/16" - 14mm	19,5mm
GFA-COT-B-41-13-15-4	3/8"	31	13	15	30	90.3	4	1.08	0.75	9/16" - 14mm	19,5mm
GFA-COT-B-41-13-15-6	3/8"	25	13	15	30	136.3	6	1.08	0.68	9/16" - 14mm	19,5mm

### GFA-COT-B-62-16-17-X

Designation	Square drive	Max Output torque	Radius	Height	Width	Center-to-center	Gear stages	Gear ratio	Theoretical efficiency	Max hex size flush	Max A/F 2-p Sockets	Max A/F 2-p Sockets
GFA-COT-B-62-16-17-2	3/8"	51	15.85	17	51	26.3	2	1.18	1	0.85	11/16" - 17mm	24mm
GFA-COT-C-62-16-17-2	1/2"	51	15.85	17	51	26.3	2	1.18	1	0.85	11/16" - 17mm	24mm
GFA-COT-B-62-16-17-3	3/8"	51	15.85	17	77.5	39.5	3	1.18	1	0.80	11/16" - 17mm	24mm
GFA-COT-C-62-16-17-3	1/2"	51	15.85	17	77.5	39.5	3	1.18	1	0.80	11/16" - 17mm	24mm
GFA-COT-B-62-16-17-4	3/8"	51	15.85	17	104	52.9	4	1.18	1	0.75	11/16" - 17mm	24mm
GFA-COT-C-62-16-17-4	1/2"	51	15.85	17	104	52.9	4	1.18	1	0.75	11/16" - 17mm	24mm
GFA-COT-B-62-16-17-6	3/8"	44	15.85	17	157	79.5	6	1.18	1	0.68	11/16" - 17mm	24mm
GFA-COT-C-62-16-17-6	1/2"	44	15.85	17	157	79.5	6	1.18	1	0.68	11/16" - 17mm	24mm

### GFA-OOT-B-25-12-11-X

Designation	Square drive	Max Output torque	Radius	Height	Width	Center-to-center	Gear stages	Gear ratio	Theoretical efficiency	Tube Opening
GFA-OOT-B-25-12-11-2	3/8"	18	12	11	37.2	31.03	2	1	0.82	8.5
GFA-OOT-B-25-12-11-3	3/8"	18	12	11	37.2	53.6	3	1	0.77	8.5

## Technical data

### GFA-OOT-B-50-15-12-X

Designation	Square drive	Max Output torque	Radius	Height	Width	Center-to-center	Gear stages	Gear ratio	Theoretical efficiency	Tube Opening
GFA-OOT-B-50-15-12-2	3/8"	30	15	12	46.6	36.56	2	1	0.82	10.5
GFA-OOT-B-50-15-12-3	3/8"	30	15	12	46.6	64.6	3	1	0.77	10.5

### GFA-HIT-H-12-22-22-0

Designation	Input drive	Max Output torque	Radius	Height	Width	Gear stages	Gear ratio	Theoretical efficiency	Max Hex socket size
GFA-HIT-H-12-22-22-0	Hex 1/4"	12,5	22	44	30	0	1.2	0.9	10mm

### 110-DEG ANGLE HEADS

Designation	Output square drive	Crowfoot compatibility	Max input torque	Max Output torque	Gear ratio	Theoretical efficiency
GFA-AH110-A-15	1/4"	COT-A-14	13,5	12,5	11,875	0,95
GFA-AH110-B-30	3/8"	COT-B-26	20,5	30	1,54	0,95
GFA-AH-110-50	3/8"	COT-B-41	31	50	1,69	0,95

## Service solutions at Atlas Copco

Our service solutions are designed to help you get the most out of your industrial equipment. For tools using GFA products, we can start, maintain, repair, calibrate and optimize them for maximize productivity and quality.

- Fast support and spare parts availability
- Global network for support and training for equipment, software & tightening technique
- Optimization & analysis services for connected equipment



**Contact us**  
to find the right solution  
for your application



**Atlas Copco**

**Atlas Copco AB**  
(publ) SE-105 23 Stockholm, Sweden  
Phone: +46 8 743 80 00  
Reg. no: 556014-2720  
atlascopco.com