



# Adjustable Wrenches

Essential Tools  
for the Technician





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40% wider opening compared to standard adjustable wrench

### Wide-Jaw Adjustable Wrenches

- Chrome Vanadium steel
- Mirror polished head, matte chrome plated handle
- 40% Wider opening compared to standard adjustable wrench



Model	Size	Jaw Capacity
<b>T39866</b>	6" 150mm	up to 1" (25mm)
<b>T39867</b>	8" 200mm	up to 1-3/16" (30mm)
<b>T39868</b>	10" 250mm	up to 1-7/16" (36mm)
<b>T39869</b>	12" 305mm	up to 1-5/8" (42mm)



40% wider opening compared to standard adjustable wrench

### Wide-Jaw Adjustable Wrenches

- Chrome Vanadium steel
- Contoured, cushioned grip handle
- 40% Wider opening compared to standard adjustable wrench

Model	Size	Jaw Capacity
<b>T39856</b>	6" 150mm	up to 1" (25mm)
<b>T39857</b>	8" 200mm	up to 1-3/16" (30mm)
<b>T39858</b>	10" 250mm	up to 1-7/16" (36mm)
<b>T39859</b>	12" 305mm	up to 1-5/8" (42mm)



### T39871 3pc Wide-Jaw Adjustable Wrench Set

- 6" (150mm), 8" (200mm), 10" (250mm)





## Adjustable Wrenches

- Chrome Vanadium steel
- Satin chrome plated

Model	Size
<b>T39803</b>	4" 100mm
<b>T39805</b>	6" 150mm
<b>T39807</b>	8" 200mm
<b>T39809</b>	10" 250mm
<b>T39811</b>	12" 300mm
<b>T39813</b>	15" 380mm
<b>T39814</b>	18" 450mm



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## Adjustable Wrenches

- Chrome Vanadium steel
- Phosphate finish for corrosion resistance

### (A) Standard

- Push forward to close

Model	Size
<b>T39804</b>	4" 100mm
<b>T39806</b>	6" 150mm
<b>T39808</b>	8" 200mm
<b>T39810</b>	10" 250mm
<b>T39812</b>	12" 300mm
<b>T39815</b>	15" 380mm

### (B) Left-Nut

- Push forward to open

Model	Size
<b>T39824</b>	4" 100mm
<b>T39826</b>	6" 150mm
<b>T39828</b>	8" 200mm
<b>T39830</b>	10" 250mm
<b>T39832</b>	12" 300mm
<b>T39835</b>	15" 380mm



(A) Standard



(B) Left-Nut

### **T39821** 3pc Professional Adjustable Wrench Set

6" (150mm), 8" (200mm), 10" (250mm)

### **T39820** 3pc Professional Adjustable Wrench Set

6" (150mm), 8" (200mm), 10" (250mm)

**Bonus Storage Tray Included  
for AmPro Tool Chests**



## Adjustable Wrenches

- Chrome Vanadium steel
- SAE & Metric dual scale
- Contoured, cushion grip handle



Model	Size
<b>T39861</b>	6" 150mm
<b>T39862</b>	8" 200mm
<b>T39863</b>	10" 250mm
<b>T39864</b>	12" 300mm

## T39872 3pc Adjustable Wrench Set

- 6" (150mm), 8" (200mm), 10" (250mm)



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## T39841 Stubby Adjustable Wrench

- 1" opening capacity
- Stubby handle for easy access
- Precision machined jaws
- SAE & Metric dual scale



## Adjustable & Pipe Stubby Wrenches

- Reversible jaw functions as adjustable wrench and pipe wrench
- Chrome Vanadium steel
- Metric scale
- Contoured, cushioned grip handle



Reversible Jaw



Model	Size	Length	Jaw Capacity
<b>T39844</b>	8"	6" 150mm	25mm

## Adjustable & Pipe Wrenches

- Reversible jaw functions as adjustable wrench and pipe wrench
- Chrome Vanadium steel
- SAE & Metric scale
- Contoured, cushioned grip handle



Model	Size
<b>T39850</b>	6" 150mm
<b>T39851</b>	8" 200mm
<b>T39852</b>	10" 250mm
<b>T39853</b>	12" 300mm

## T39870 3pc Adjustable & Pipe Wrench Set

- 6" (150mm), 8" (200mm), 10" (250mm)



## T28622 6pc Ratcheting Flare Nut Wrench Set

- Contents:  
10, 12, 13, 17, 19, 22mm



## Universal Adjustable Wrenches

- Chrome Vanadium steel
- 3 Points fix for high torque
- Applicable to straight nuts

Model	Size	Length
<b>T28610</b>	1/4" to 3/4" 6mm - 19mm	7" 180mm
<b>T28611</b>	5/16" to 7/8" 8mm - 22mm	9" 230mm
<b>T28612</b>	5/8" to 1-1/4" 16mm - 32mm	11" 280mm



## "Tiger Claw" Quick Wrenches

- Heat treated steel for performance and durability
- Spring-loaded pivoting jaw
- Continuous ratcheting action
- Laminated multi-plate steel construction for added strength

Model	Size	Length
<b>T28620</b>	7/16" to 7/8" 10mm - 22mm	8" 200mm
<b>T28621</b>	11/16" to 1-1/4" 17mm - 32mm	11" 280mm





### Aluminum Pipe Wrenches

- Heavy-duty Aluminum is lighter and easier to maneuver
- Heat-treated steel jaws for maximum strength



Model	Size	
<b>T39421</b>	8"	200mm
<b>T39422</b>	10"	250mm
<b>T39423</b>	12"	300mm
<b>T39424</b>	14"	355mm
<b>T39425</b>	18"	450mm
<b>T39426</b>	24"	610mm
<b>T39427</b>	36"	910mm
<b>T39428</b>	48"	1220mm

### Pipe Wrenches

- Heavy-duty drop forged steel
- Heat-treated steel jaws for maximum strength



Model	Size	
<b>T39401</b>	8"	200mm
<b>T39402</b>	10"	250mm
<b>T39403</b>	12"	300mm
<b>T39404</b>	14"	355mm
<b>T39405</b>	18"	450mm
<b>T39406</b>	24"	610mm
<b>T39407</b>	36"	910mm
<b>T39408</b>	48"	1220mm

### Aluminum Ratcheting Pipe Wrenches

- Heavy-duty aluminum is lighter and easier to maneuver
- V-groove jaw design enables rapid ratcheting action
- Spring-loaded jaw adjusts to work with various sizes
- Groove tooth design provides secure grip
- Thumb trigger allows easy application and removal of work piece



Model	Size	
<b>T39440</b>	10"	250mm
<b>T39441</b>	14"	355mm
<b>T39442</b>	18"	450mm



# Professional Wrenches

Geared Wrenches

Fits-All Wrenches

Combination

Wrenches

Box Wrenches

Others ...







## Stubby "Geared" Ratcheting Wrenches



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Model	Size	Model	Size
T41308	8mm	T41351	5/16"
T41309	9mm	T41352	3/8"
T41310	10mm	T41353	7/16"
T41311	11mm	T41354	1/2"
T41312	12mm	T41355	9/16"
T41313	13mm	T41356	5/8"
T41314	14mm	T41357	11/16"
T41315	15mm	T41358	3/4"
T41316	16mm		
T41317	17mm		
T41318	18mm		
T41319	19mm		



### T41382 7pc Stubby Geared Ratcheting Wrench Set

8, 10, 12, 13, 15, 16, 18mm

### T41383 7pc Stubby Geared Ratcheting Wrench Set

8, 10, 12, 13, 14, 17, 19mm

### T41392 7pc Stubby Geared Ratcheting Wrench Set

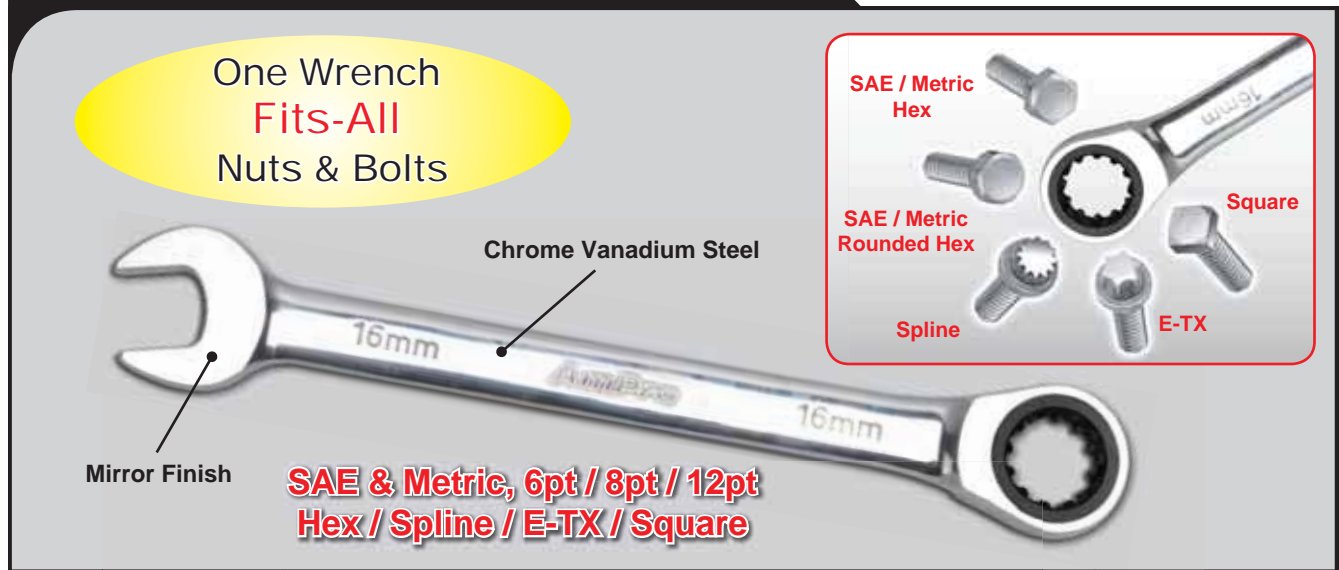
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

### T41393 7pc Stubby Geared Ratcheting Wrench Set

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



## Fits-All "Geared" Ratcheting Wrenches



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## Fits-All "Geared" Ratcheting Wrenches Conversion Table

Model	Size	6PT/12PT Hex (mm)	6PT Round Hex	6PT/12PT (Inch)	E-TX	Square	Spline
T42706	6mm	√	√	1/4"	E8	5	M8
T42707	7mm	√	√	9/32"	x	x	x
T42708	8mm	√	√	5/16"	E10	x	x
T42709	9mm	√	√	11/32"	x	x	M10
T42710	10mm	√	√	3/8"	E12	8	M12
T42711	11mm	√	√	7/16"	E14	9	M14
T42712	12mm	√	√	15/32"	E16	10	x
T42713	13mm	√	√	1/2"	x	x	M16
T42714	14mm	√	√	9/16"	E18	x	x
T42715	15mm	√	√	19/32"	x	12	x
T42716	16mm	√	√	5/8"	E20	13	x
T42717	17mm	√	√	11/16"	x	14	x
T42718	18mm	√	√	23/32"	E22	x	x
T42719	19mm	√	√	3/4"	E24	x	x



### T42751 7pc Fits-All Ratcheting Wrench Set

8, 10, 12, 13, 15, 16, 18mm

### T42752 7pc Fits-All Ratcheting Wrench Set

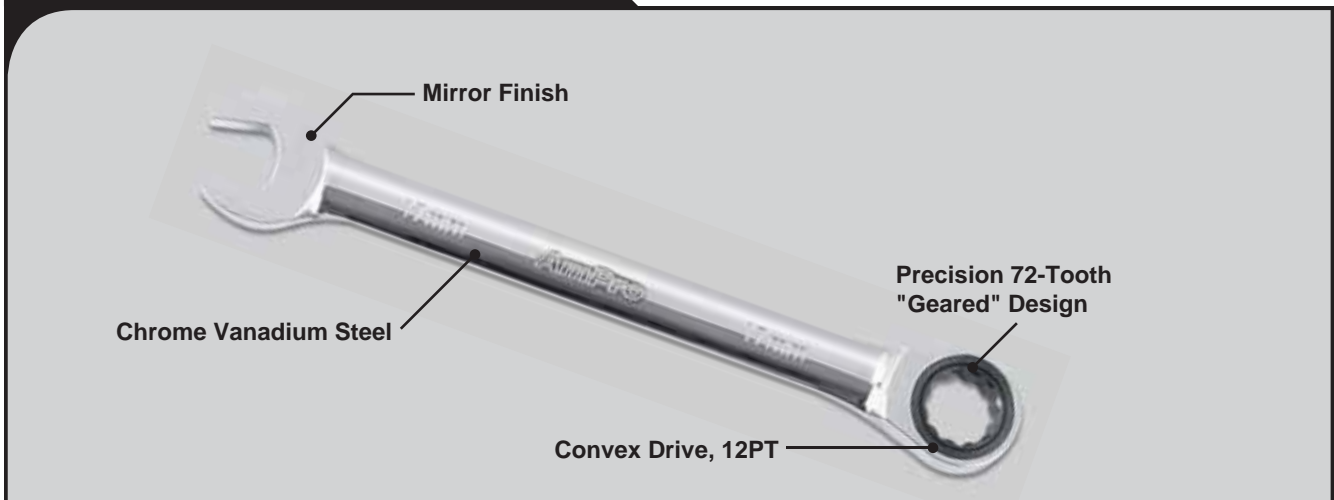
10, 12, 13, 14, 15, 17, 19mm

### T42753 12pc Fits-All Ratcheting Wrench Set

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm



### "Geared" Ratcheting Wrenches



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Model	Size	Model	Size
T41406	6mm	T41450	1/4"
T41407	7mm	T41451	5/16"
T41408	8mm	T41452	3/8"
T41409	9mm	T41453	7/16"
T41410	10mm	T41454	1/2"
T41411	11mm	T41455	9/16"
T41412	12mm	T41456	5/8"
T41413	13mm	T41457	11/16"
T41414	14mm	T41458	3/4"
T41415	15mm	T41459	13/16"
T41416	16mm	T41460	7/8"
T41417	17mm	T41461	15/16"
T41418	18mm	T41462	1"
T41419	19mm	T41463	1-1/16"
T41421	21mm	T41464	1-1/8"
T41422	22mm	T41465	1-1/4"
T41424	24mm	T41466	1-3/16"
T41427	27mm	T41467	1-3/8"
T41430	30mm	T41468	1-5/16"
T41432	32mm	T41469	1-7/16"
T41434	34mm		
T41436	36mm		



**T41482 4pc Geared Ratcheting Wrench Set**  
10, 12, 13, 14mm

**T41490 4pc Geared Ratcheting Wrench Set**  
3/8", 7/16", 1/2", 9/16"

**T41483 7pc Geared Ratcheting Wrench Set**  
10, 12, 13, 14, 15, 17, 19mm

**T41484 7pc Geared Ratcheting Wrench Set**  
8, 10, 12, 13, 15, 16, 18mm

**T41492 7pc Geared Ratcheting Wrench Set**  
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**T41493 7pc Geared Ratcheting Wrench Set**  
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"



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## Geared Ratcheting Wrenches

### **T41487 12pc Geared Ratcheting Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

### **T41494 13pc Geared Ratcheting Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 11/16",  
13/16", 7/8", 15/16", 1"



### **T41488 12pc Geared Ratcheting Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm







## Stubby Reversible "Geared" Ratcheting Wrenches



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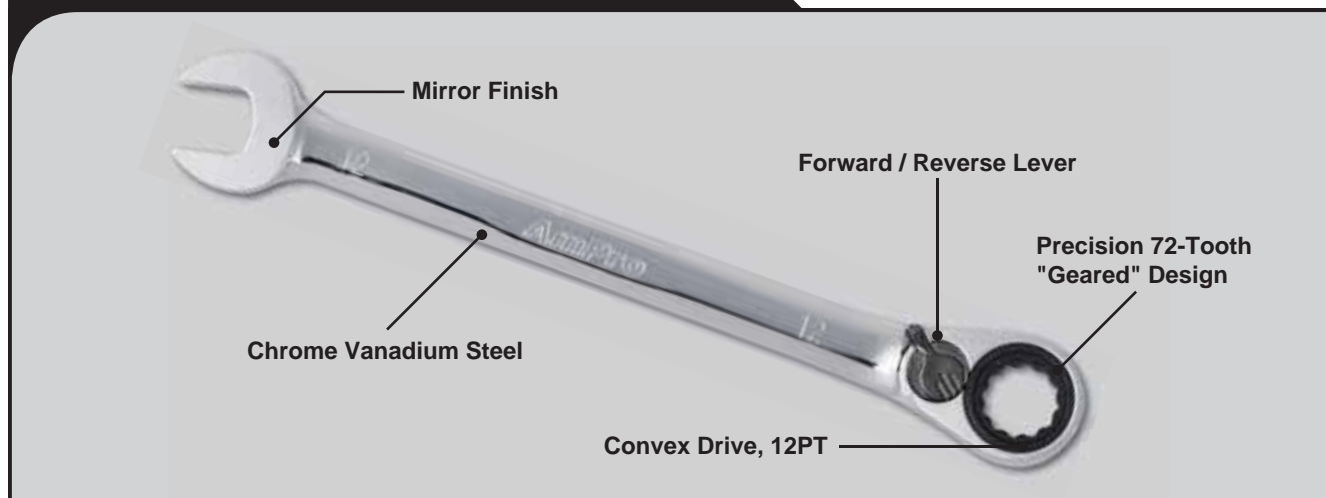
Model	Size	Model	Size
<b>T42808</b>	8mm	<b>T42831</b>	5/16"
<b>T42809</b>	9mm	<b>T42832</b>	3/8"
<b>T42810</b>	10mm	<b>T42833</b>	7/16"
<b>T42811</b>	11mm	<b>T42834</b>	1/2"
<b>T42812</b>	12mm	<b>T42835</b>	9/16"
<b>T42813</b>	13mm	<b>T42836</b>	5/8"
<b>T42814</b>	14mm	<b>T42837</b>	11/16"
<b>T42815</b>	15mm	<b>T42838</b>	3/4"
<b>T42816</b>	16mm		
<b>T42817</b>	17mm		
<b>T42818</b>	18mm		
<b>T42819</b>	19mm		



- T42850** 7pc Stubby Reversible Geared Ratcheting Wrench Set  
8, 10, 12, 13, 15, 16, 18mm
- T42851** 7pc Stubby Reversible Geared Ratcheting Wrench Set  
10, 12, 13, 14, 15, 16, 18mm
- T42852** 7pc Stubby Reversible Geared Ratcheting Wrench Set  
10, 12, 13, 14, 15, 17, 19mm
- T42860** 7pc Stubby Reversible Geared Ratcheting Wrench Set  
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- T42861** 7pc Stubby Reversible Geared Ratcheting Wrench Set  
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"



## Reversible "Geared" Ratcheting Wrenches



Model	Size
<b>T41608</b>	8mm
<b>T41609</b>	9mm
<b>T41610</b>	10mm
<b>T41611</b>	11mm
<b>T41612</b>	12mm
<b>T41613</b>	13mm
<b>T41614</b>	14mm
<b>T41615</b>	15mm
<b>T41616</b>	16mm
<b>T41617</b>	17mm
<b>T41618</b>	18mm
<b>T41619</b>	19mm
<b>T41621</b>	21mm
<b>T41622</b>	22mm
<b>T41624</b>	24mm
<b>T41627</b>	27mm
<b>T41630</b>	30mm
<b>T41632</b>	32mm

Model	Size
<b>T41651</b>	5/16"
<b>T41652</b>	3/8"
<b>T41653</b>	7/16"
<b>T41654</b>	1/2"
<b>T41655</b>	9/16"
<b>T41656</b>	5/8"
<b>T41657</b>	11/16"
<b>T41658</b>	3/4"
<b>T41659</b>	13/16"
<b>T41660</b>	7/8"
<b>T41661</b>	15/16"
<b>T41662</b>	1"
<b>T41663</b>	1-1/16"
<b>T41664</b>	1-1/8"
<b>T41665</b>	1-1/4"

### **T41680 4pc Reversible Geared Ratcheting Wrench Set**

10, 12, 13, 14mm

### **T41690 4pc Reversible Geared Ratcheting Wrench Set**

3/8", 7/16", 1/2", 9/16"

### **T41683 7pc Reversible Geared Ratcheting Wrench Set**

10, 12, 13, 14, 15, 17, 19mm

### **T41684 7pc Reversible Geared Ratcheting Wrench Set**

8, 10, 12, 13, 15, 16, 18mm

### **T41685 7pc Reversible Geared Ratcheting Wrench Set**

10, 12, 13, 14, 15, 16, 18mm

### **T41692 7pc Reversible Geared Ratcheting Wrench Set**

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

### **T41693 7pc Reversible Geared Ratcheting Wrench Set**

5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"





**T41686 10pc Reversible Geared Ratcheting Wrench Set**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**T41688 12pc Reversible Geared Ratcheting Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**T41694 13pc Reversible Geared Ratcheting Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 11/16", 13/16", 7/8", 15/16", 1"



**T41689 12pc Reversible Geared Ratcheting Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm



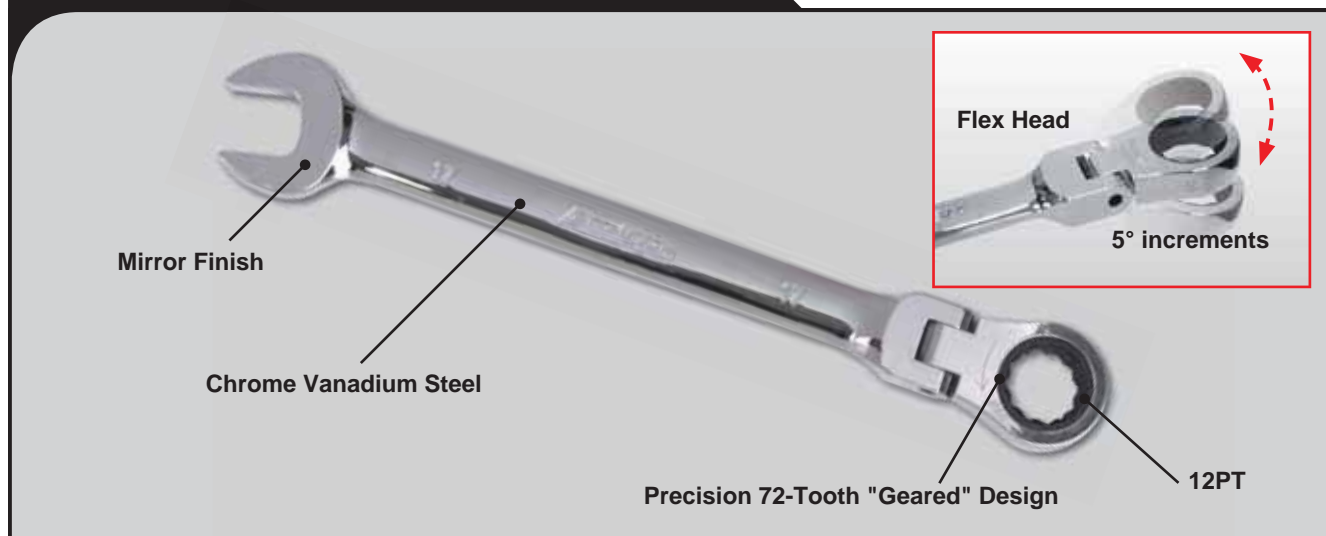
**T41687 8pc Reversible Geared Ratcheting Wrench & Adaptor Set**

- Contents:
  - 4 - Reversible Geared Ratcheting Wrenches:
    - 10, 13, 17, 19mm
  - 3 - Quick-Release Adaptors:
    - 1/4" Dr. for 10mm, 3/8" Dr. for 13mm, 1/2" Dr. for 19mm
  - 1 - Bit Adaptor: 1/4" x 10mm





## Flex-Head Geared Ratcheting Wrenches



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Model	Size	Model	Size
T42308	8mm	T42351	5/16"
T42309	9mm	T42352	3/8"
T42310	10mm	T42353	7/16"
T42311	11mm	T42354	1/2"
T42312	12mm	T42355	9/16"
T42313	13mm	T42356	5/8"
T42314	14mm	T42357	11/16"
T42315	15mm	T42358	3/4"
T42316	16mm	T42359	13/16"
T42317	17mm	T42360	7/8"
T42318	18mm	T42361	15/16"
T42319	19mm	T42362	1"
T42321	21mm	T42363	1-1/16"
T42322	22mm	T42364	1-1/8"
T42324	24mm	T42365	1-1/4"
T42327	27mm		
T42330	30mm		
T42332	32mm		

**T42380 4pc Flex-Head Geared Ratcheting Wrench Set**  
10, 12, 13, 14mm

**T42392 4pc Flex-Head Geared Ratcheting Wrench Set**  
3/8", 7/16", 1/2", 9/16"

**T42383 7pc Flex-Head Geared Ratcheting Wrench Set**  
8, 10, 12, 13, 15, 16, 18mm

**T42381 7pc Flex-Head Geared Ratcheting Wrench Set**  
10, 12, 13, 14, 15, 16, 18mm

**T42382 7pc Flex-Head Geared Ratcheting Wrench Set**  
10, 12, 13, 14, 15, 17, 19mm

**T42390 7pc Flex-Head Geared Ratcheting Wrench Set**  
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**T42391 7pc Flex-Head Geared Ratcheting Wrench Set**  
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"





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## Double Flex-Head Geared Ratcheting Wrenches

### T42387 12pc Flex-Head Geared Ratcheting Wrench Set

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

### T42395 13pc Flex-Head Geared Ratcheting Wrench Set

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 11/16", 13/16", 7/8", 15/16", 1"

### T42388 12pc Flex-Head Geared Ratcheting Wrench Set

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm



## Double Flex-Head Geared Ratcheting Wrenches



Model	Size	Model	Size
T42960	8mm x 10mm	T42970	5/16" x 3/8"
T42962	12mm x 13mm	T42971	7/16" x 1/2"
T42963	14mm x 15mm	T42972	9/16" x 5/8"
T42965	17mm x 19mm	T42973	11/16" x 3/4"

**T42980 4pc Double Flex-Head Geared Ratcheting Wrench Set**

8 x 10, 12 x 13, 14 x 15, 17mm x 19mm

**T42990 4pc Double Flex-Head Geared Ratcheting Wrench Set**

5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8", 11/16" x 3/4"



**T42550 11pc Extra Long Box Ratcheting Wrench Set**

- Contents:
  - 7 - Extra Long Box Ratcheting Wrench:
    - 8, 10, 12, 13, 14, 17, 19mm
  - 3 - Socket Adaptor with Quick-release: 1/4", 3/8", 1/2"
  - 1 - Bit Adaptor: 1/4"



**T42555 9pc S-Shape Box End Reversible Ratcheting Wrench Set**

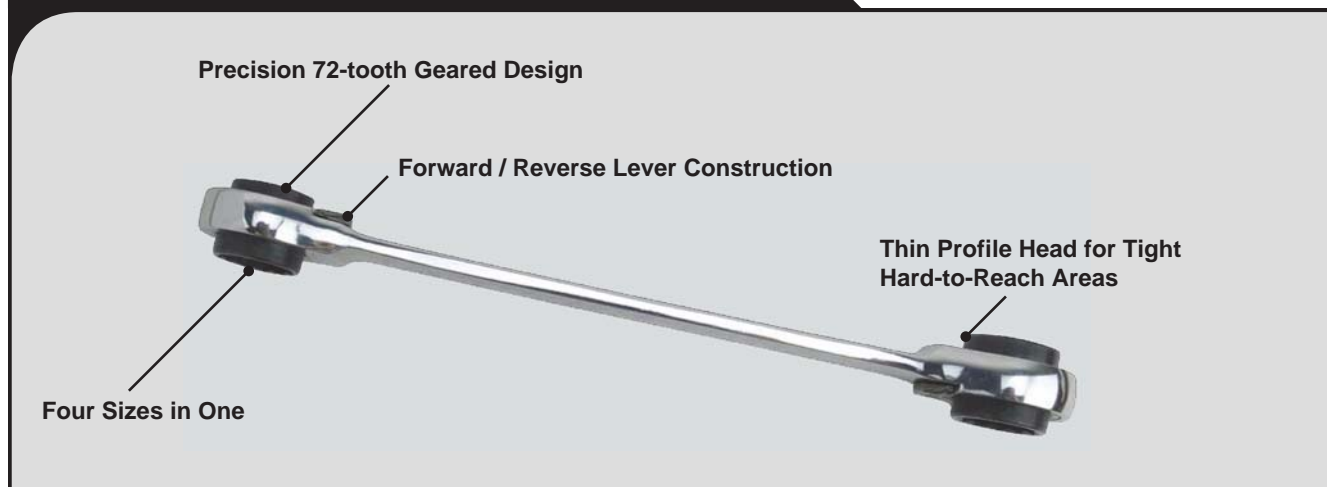
- Contents:
  - 5 - S-Shape Box End Reversible Ratcheting Wrench:
    - 10 x 12, 11 x 13, 14 x 16, 15 x 17, 19mm x 22mm
  - 3 - Socket Adaptor with Quick-release: 1/4", 3/8", 1/2"
  - 1 - Bit Adaptor: 1/4"







## 4-in-1 Reversible Geared Ratcheting Wrenches



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Model	Size
<b>T42500</b>	8 x 9mm - 10 x 11mm
<b>T42501</b>	8 x 10mm - 12 x 13mm
<b>T42502</b>	12 x 13mm - 14 x 15mm
<b>T42503</b>	14 x 17mm - 18 x 19mm
<b>T42504</b>	16 x 17mm - 18 x 19mm
<b>T42510</b>	5/16" x 3/8" - 7/16" x 1/2"
<b>T42511</b>	9/16" x 5/8" - 11/16" x 3/4"



### **T42515** 2pc 8-Size Reversible Geared Ratcheting Wrench Set

8 x 10 - 12 x 13, 14 x 17 - 18 x 19mm

### **T42520** 2pc 8-Size Reversible Geared Ratcheting Wrench Set

5/16" x 3/8" - 7/16" x 1/2", 9/16" x 5/8" - 11/16" x 3/4"



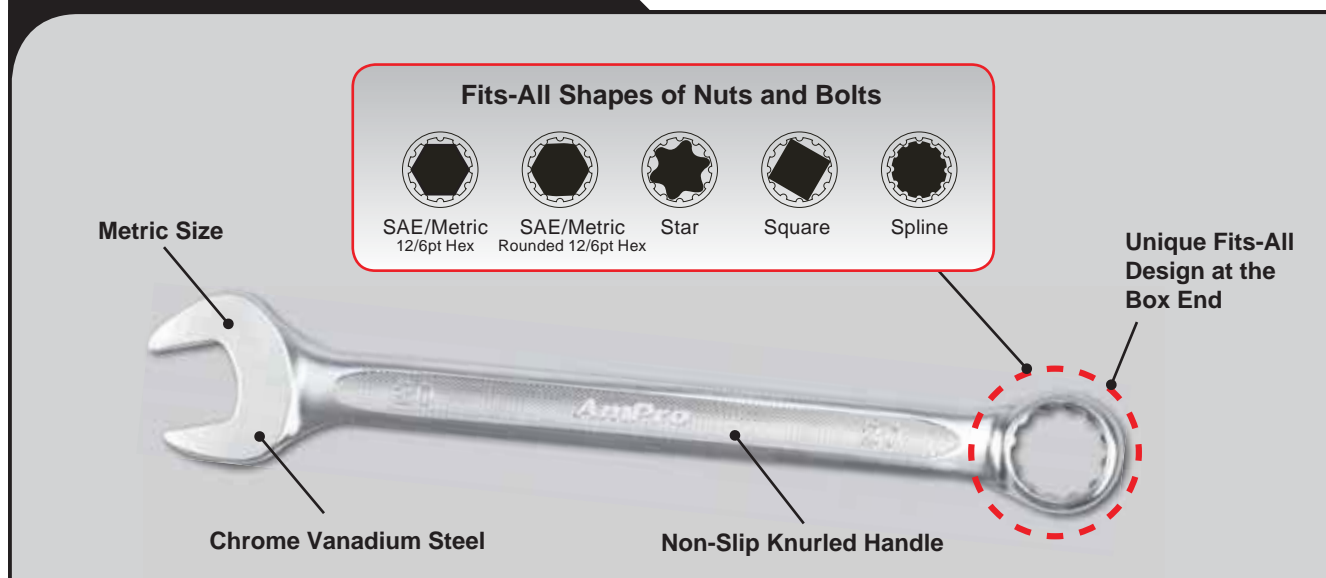
### **T42516**

### 3pc 12-Size Reversible Geared Ratchet Wrench Set

8 x 9 - 10 x 11, 12 x 13 - 14 x 15,  
16 x 17 - 18mm x 19mm



## Fits-All Combination Wrenches



## Fits-All Combination Wrenches Conversion Table

Model	Size	6PT/12PT Hex (mm)	6PT Round Hex	6PT/12PT (Inch)	E-TX	Square	Spline
T42606	6mm	✓	✓	1/4"	E8	5	M8
T42607	7mm	✓	✓	9/32"	x	x	x
T42608	8mm	✓	✓	5/16"	E10	x	x
T42609	9mm	✓	✓	11/32"	x	x	M10
T42610	10mm	✓	✓	3/8"	E12	8	M12
T42611	11mm	✓	✓	7/16"	E14	9	M14
T42612	12mm	✓	✓	15/32"	E16	10	x
T42613	13mm	✓	✓	1/2"	x	x	M16
T42614	14mm	✓	✓	9/16"	E18	x	x
T42615	15mm	✓	✓	19/32"	x	12	x
T42616	16mm	✓	✓	5/8"	E20	13	x
T42617	17mm	✓	✓	11/16"	x	14	x
T42618	18mm	✓	✓	23/32"	E22	x	x
T42619	19mm	✓	✓	3/4"	E24	x	x
T42620	20mm	✓	✓	25/32"	x	16	x
T42621	21mm	✓	✓	13/16"	E26	17	x
T42622	22mm	✓	✓	7/8"	E28	18	x
T42623	23mm	✓	✓	x	x	x	x
T42624	24mm	✓	✓	15/16"	E30	19	x
T42625	25mm	✓	✓	x	x	x	x
T42626	26mm	✓	✓	1"	E32	x	x
T42627	27mm	✓	✓	1-1/16"	E34	22	x
T42628	28mm	✓	✓	1-1/8"	E36	23	x
T42629	29mm	✓	✓	x	x	x	x
T42630	30mm	✓	✓	1-3/16"	E38	24	x
T42632	32mm	✓	✓	1-1/4"	E40	26	x



## **T42670 7pc Fits-All Combination Wrench Set**

10mm (3/8"), 11mm (7/16"), 12mm (15/32"),  
13mm (1/2"), 14mm (9/16"), 15mm (19/32"),  
18mm (23/32")

## **T42671 7pc Fits-All Combination Wrench Set**

10mm (3/8"), 12mm (15/32"), 13mm (1/2"),  
14mm (9/16"), 15mm (19/32"), 17mm (11/16"),  
19mm (3/4")



## **T42672 9pc Fits-All Combination Wrench Set**

8mm (5/16"), 10mm (3/8"), 11mm (7/16"),  
12mm (15/32"), 13mm (1/2"), 14mm (9/16"),  
15mm (19/32"), 16mm (5/8"), 18mm (23/32")

## **T42673 14pc Fits-All Combination Wrench Set**

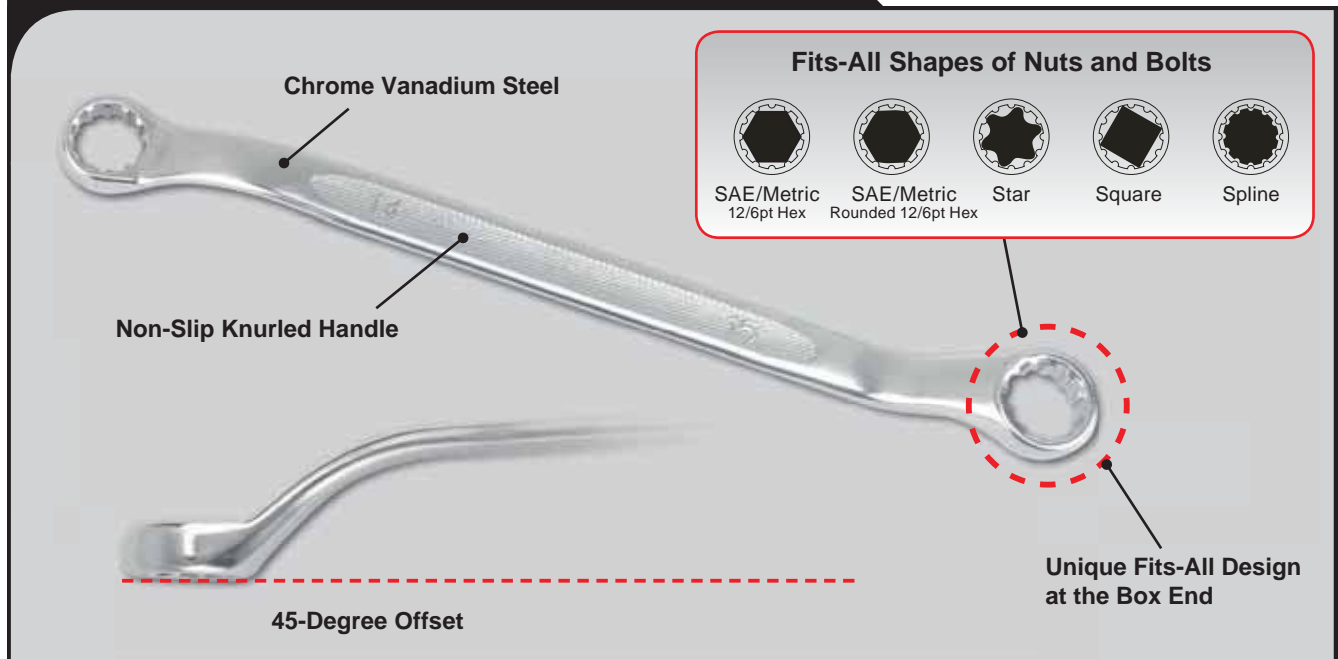
8mm (5/16"), 9mm (11/32"), 10mm (3/8"),  
11mm (7/16"), 12mm (15/32"), 13mm (1/2"),  
14mm (9/16"), 15mm (19/32"), 16mm (5/8"),  
17mm (11/16"), 19mm (3/4"), 21mm (13/16"),  
22mm (7/8"), 24mm (15/16")

## **T42675 26pc Fits-All Combination Wrench Set**

6mm, 7mm, 8mm (5/16"), 9mm (11/32"), 10mm (3/8"),  
11mm (7/16"), 12mm (15/32"), 13mm (1/2"),  
14mm (9/16"), 15mm (19/32"), 16mm (5/8"),  
17mm (11/16"), 18mm, 19mm (3/4"), 20mm (25/32"),  
21mm (13/16"), 22mm (7/8"), 23mm, 24mm (15/16"),  
25mm, 26mm (1"), 27mm (1-1/16"), 28mm (1-1/8"),  
29mm, 30mm (1-3/16"), 32mm (1-1/4")



## 45-Degree Fits-All Box Wrenches



## 45-Degree Fits-All Box Wrenches Conversion Table

Size	6PT/12PT Hex (mm)	6PT Round Hex	6PT/12PT (Inch)	E-TX	Square	Spline
6mm	✓	✓	1/4"	E8	5	M8
7mm	✓	✓	9/32"	x	x	x
8mm	✓	✓	5/16"	E10	x	x
9mm	✓	✓	11/32"	x	x	M10
10mm	✓	✓	3/8"	E12	8	M12
11mm	✓	✓	7/16"	E14	9	M14
12mm	✓	✓	15/32"	E16	10	x
13mm	✓	✓	1/2"	x	x	M16
14mm	✓	✓	9/16"	E18	x	x
15mm	✓	✓	19/32"	x	12	x
16mm	✓	✓	5/8"	E20	13	x
17mm	✓	✓	11/16"	x	14	x
18mm	✓	✓	23/32"	E22	x	x
19mm	✓	✓	3/4"	E24	x	x
20mm	✓	✓	25/32"	x	16	x
21mm	✓	✓	13/16"	E26	17	x
22mm	✓	✓	7/8"	E28	18	x
23mm	✓	✓	x	x	x	x
24mm	✓	✓	15/16"	E30	19	x
25mm	✓	✓	x	x	x	x
26mm	✓	✓	1"	E32	x	x
27mm	✓	✓	1-1/16"	E34	22	x
28mm	✓	✓	1-1/8"	E36	23	x
29mm	✓	✓	x	x	x	x
30mm	✓	✓	1-3/16"	E38	24	x
32mm	✓	✓	1-1/4"	E40	26	x

Model	Size
<b>T43206</b>	6 x 7mm
<b>T43207</b>	8 x 9mm
<b>T43208</b>	8 x 10mm
<b>T43209</b>	10 x 11mm
<b>T43210</b>	10 x 12mm
<b>T43211</b>	11 x 13mm
<b>T43212</b>	12 x 13mm
<b>T43213</b>	12 x 14mm
<b>T43214</b>	14 x 15mm
<b>T43215</b>	14 x 17mm
<b>T43216</b>	16 x 17mm
<b>T43217</b>	17 x 19mm
<b>T43218</b>	18 x 19mm
<b>T43219</b>	19 x 21mm
<b>T43220</b>	19 x 22mm
<b>T43221</b>	20 x 22mm
<b>T43222</b>	21 x 23mm
<b>T43223</b>	22 x 24mm
<b>T43224</b>	24 x 26mm
<b>T43225</b>	24 x 27mm
<b>T43226</b>	25 x 28mm
<b>T43227</b>	30 x 32mm

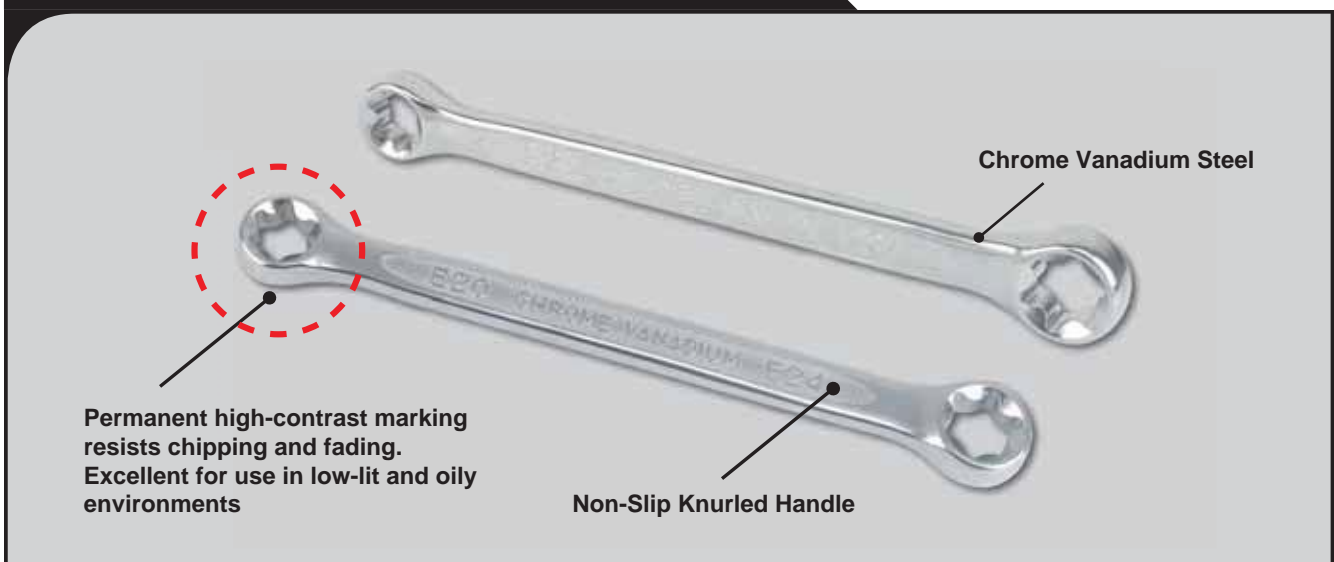


### **T43240 6pc 45-Degree Fits-All Box Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19mm

9

### External Star Wrenches



Model	Size
<b>T43104</b>	E6 x E8
<b>T43105</b>	E7 x E11
<b>T43106</b>	E10 x E12
<b>T43108</b>	E14 x E18
<b>T43110</b>	E16 x E22
<b>T43114</b>	E20 x E24



### **T43120 4pc External Star Wrench Set**

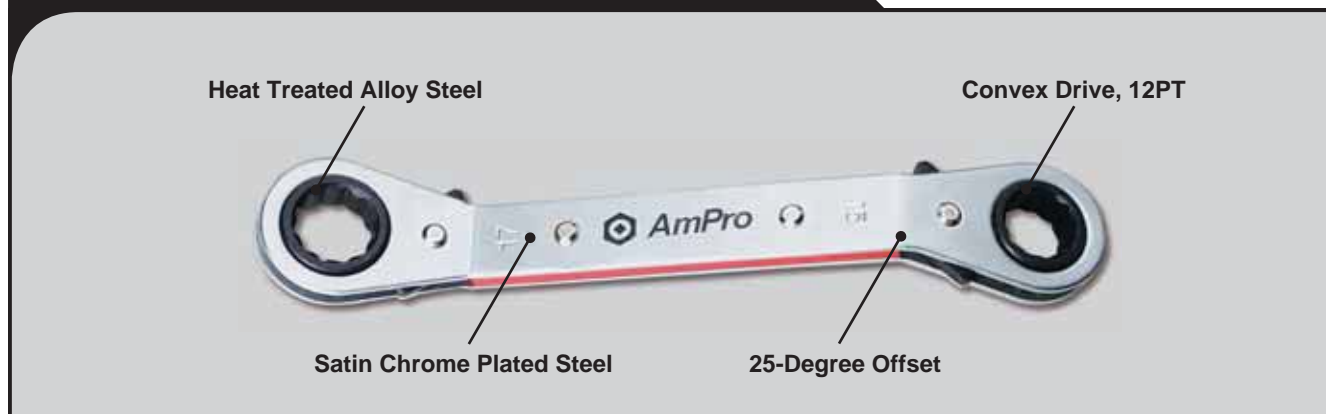
E6 x E8, E10 x E12, E14 x E18, E20 x E24

### **T43121 6pc External Star Wrench Set**

E6 x E8, E7 x E11, E10 x E12, E14 x E18,  
E16 x E22, E20 x E24



## "25-Degree Offset" Ratcheting Box Wrenches



Model	Size	Model	Size	Model	Size
T40801	5.5mm x 7mm	T40811	12mm x 14mm	T40850	1/4" x 5/16"
T40802	6mm x 7mm	T40812	13mm x 14mm	T40851	3/8" x 7/16"
T40803	6mm x 8mm	T40813	13mm x 15mm	T40852	1/2" x 9/16"
T40804	8mm x 9mm	T40814	14mm x 17mm	T40853	5/8" x 11/16"
T40805	8mm x 10mm	T40816	15mm x 17mm	T40854	3/4" x 7/8"
T40806	9mm x 10mm	T40818	17mm x 19mm		
T40807	10mm x 11mm	T40819	17mm x 21mm		
T40808	10mm x 12mm	T40821	19mm x 21mm		
T40809	11mm x 13mm	T40822	19mm x 22mm		
T40810	12mm x 13mm				

### T40895 5pc Offset Ratcheting Box Wrench Set

6 x 8, 10 x 12, 11 x 13, 14 x 17, 19 x 21mm



### T40880 5pc Offset Ratcheting Box Wrench Set

1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16",  
5/8" x 11/16", 3/4" x 7/8"

### T40891 5pc Offset Ratcheting Box Wrench Set

6 x 8, 10 x 11, 13 x 14, 15 x 17, 19mm x 22mm

### T40893 5pc Offset Ratcheting Box Wrench Set

6 x 8, 10 x 12, 11 x 13, 14 x 17, 19mm x 21mm

### T40894 5pc Offset Ratcheting Box Wrench Set

6 x 8, 10 x 12, 13 x 14, 15 x 17, 19mm x 22mm



## Thin-Wall Combination Wrenches



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Model	Size	Model	Size	Model	Size	Model	Size
<b>T40106</b>	6mm	<b>T40127</b>	27mm	<b>T40150</b>	1/4"	<b>T40265</b>	1-7/8"
<b>T40107</b>	7mm	<b>T40128</b>	28mm	<b>T40151</b>	5/16"	<b>T40266</b>	2"
<b>T40108</b>	8mm	<b>T40129</b>	29mm	<b>T40152</b>	3/8"	<b>T40267</b>	2-1/16"
<b>T40109</b>	9mm	<b>T40130</b>	30mm	<b>T40153</b>	7/16"	<b>T40268</b>	2-1/8"
<b>T40110</b>	10mm	<b>T40132</b>	32mm	<b>T40154</b>	1/2"	<b>T40269</b>	2-3/16"
<b>T40111</b>	11mm	<b>T40133</b>	33mm	<b>T40155</b>	9/16"	<b>T40270</b>	2-1/4"
<b>T40112</b>	12mm	<b>T40134</b>	34mm	<b>T40156</b>	5/8"	<b>T40271</b>	2-5/16"
<b>T40113</b>	13mm	<b>T40135</b>	35mm	<b>T40157</b>	11/16"	<b>T40272</b>	2-3/8"
<b>T40114</b>	14mm	<b>T40136</b>	36mm	<b>T40158</b>	3/4"	<b>T40273</b>	2-7/16"
<b>T40115</b>	15mm	<b>T40137</b>	38mm	<b>T40159</b>	13/16"	<b>T40274</b>	2-1/2"
<b>T40116</b>	16mm	<b>T40138</b>	41mm	<b>T40160</b>	7/8"	<b>T40275</b>	2-9/16"
<b>T40117</b>	17mm	<b>T40139</b>	43mm	<b>T40161</b>	15/16"	<b>T40276</b>	2-5/8"
<b>T40118</b>	18mm	<b>T40140</b>	46mm	<b>T40162</b>	1"	<b>T40277</b>	2-11/16"
<b>T40119</b>	19mm	<b>T40141</b>	48mm	<b>T40163</b>	1-1/16"	<b>T40278</b>	2-3/4"
<b>T40120</b>	20mm	<b>T40142</b>	50mm	<b>T40164</b>	1-1/8"	<b>T40279</b>	2-13/16"
<b>T40121</b>	21mm	<b>T40143</b>	55mm	<b>T40165</b>	1-1/4"	<b>T40280</b>	2-7/8"
<b>T40122</b>	22mm	<b>T40144</b>	58mm	<b>T40260</b>	1-9/16"	<b>T40281</b>	2-15/16"
<b>T40123</b>	23mm	<b>T40145</b>	60mm	<b>T40261</b>	1-5/8"	<b>T40282</b>	3"
<b>T40124</b>	24mm	<b>T40146</b>	65mm	<b>T40262</b>	1-11/16"		
<b>T40125</b>	25mm	<b>T40147</b>	70mm	<b>T40263</b>	1-3/4"		
<b>T40126</b>	26mm			<b>T40264</b>	1-13/16"		



### **T40173** 7pc Combination Wrench Set

10, 12, 13, 14, 15, 17, 19mm

### **T40180** 12pc Combination Wrench Set

6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19mm

### **T40181** 12pc Combination Wrench Set

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm





# AmPro®

## Thin-Wall Combination Wrenches

**T40170 8pc Combination Wrench Set**

6, 7, 8, 9, 10, 13, 17, 19mm

**T40185 14pc Combination Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24mm

**T40186 14pc Combination Wrench Set**

10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32mm

**T40191 22pc Combination Wrench Set**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32mm



**T40190 18pc Combination Wrench Set**

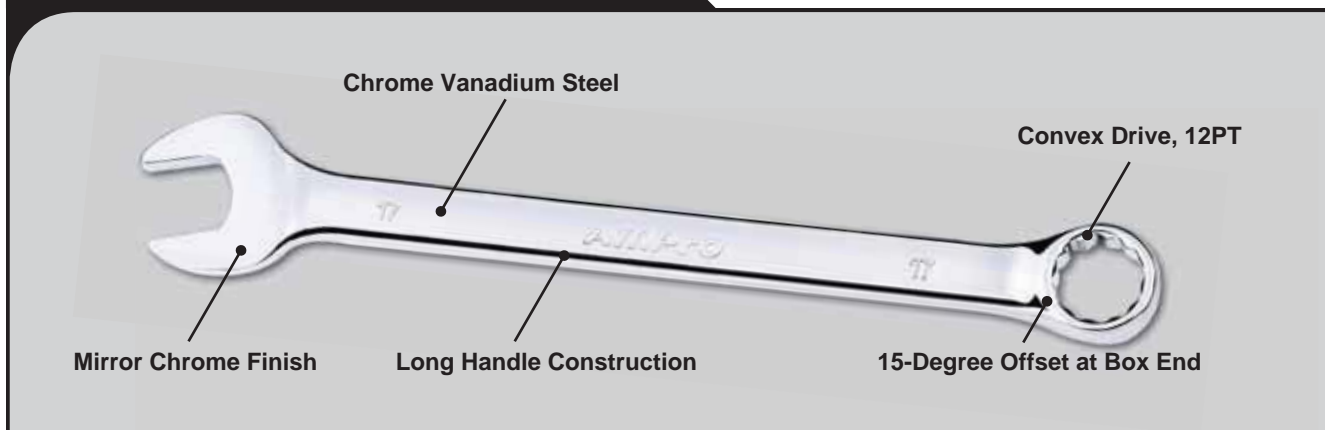
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24mm

**T40195 16pc Combination Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"



## Long Style Combination Wrenches



9

Model	Size	Model	Size	Model	Size	Model	Size
<b>T40006</b>	6mm	<b>T40028</b>	28mm	<b>T40050</b>	1/4"	<b>T40233</b>	1-7/8"
<b>T40007</b>	7mm	<b>T40029</b>	29mm	<b>T40051</b>	5/16"	<b>T40234</b>	2"
<b>T40008</b>	8mm	<b>T40030</b>	30mm	<b>T40052</b>	3/8"	<b>T40235</b>	2-1/16"
<b>T40009</b>	9mm	<b>T40032</b>	32mm	<b>T40053</b>	7/16"	<b>T40236</b>	2-1/8"
<b>T40010</b>	10mm	<b>T40033</b>	33mm	<b>T40054</b>	1/2"	<b>T40237</b>	2-3/16"
<b>T40011</b>	11mm	<b>T40034</b>	34mm	<b>T40055</b>	9/16"	<b>T40238</b>	2-1/4"
<b>T40012</b>	12mm	<b>T40035</b>	35mm	<b>T40056</b>	5/8"	<b>T40239</b>	2-5/16"
<b>T40013</b>	13mm	<b>T40036</b>	36mm	<b>T40057</b>	11/16"	<b>T40240</b>	2-3/8"
<b>T40014</b>	14mm	<b>T40037</b>	37mm	<b>T40058</b>	3/4"	<b>T40241</b>	2-7/16"
<b>T40015</b>	15mm	<b>T40038</b>	38mm	<b>T40059</b>	13/16"	<b>T40242</b>	2-1/2"
<b>T40016</b>	16mm	<b>T40039</b>	41mm	<b>T40060</b>	7/8"	<b>T40243</b>	2-9/16"
<b>T40017</b>	17mm	<b>T40040</b>	42mm	<b>T40061</b>	15/16"	<b>T40244</b>	2-5/8"
<b>T40018</b>	18mm	<b>T40041</b>	45mm	<b>T40062</b>	1"	<b>T40245</b>	2-11/16"
<b>T40019</b>	19mm	<b>T40042</b>	46mm	<b>T40063</b>	1-1/16"	<b>T40246</b>	2-3/4"
<b>T40020</b>	20mm	<b>T40043</b>	48mm	<b>T40064</b>	1-1/8"	<b>T40247</b>	2-13/16"
<b>T40021</b>	21mm	<b>T40044</b>	50mm	<b>T40065</b>	1-1/4"	<b>T40248</b>	2-7/8"
<b>T40022</b>	22mm	<b>T40045</b>	55mm	<b>T40066</b>	1-5/16"	<b>T40249</b>	2-15/16"
<b>T40023</b>	23mm	<b>T40046</b>	58mm	<b>T40067</b>	1-3/8"	<b>T40250</b>	3"
<b>T40024</b>	24mm	<b>T40047</b>	60mm	<b>T40068</b>	1-1/2"		
<b>T40025</b>	25mm	<b>T40048</b>	65mm	<b>T40230</b>	1-9/16"		
<b>T40026</b>	26mm	<b>T40049</b>	70mm	<b>T40231</b>	1-5/8"		
<b>T40027</b>	27mm			<b>T40232</b>	1-3/4"		



**T40081 7pc Combination Wrench Set**  
10, 12, 13, 14, 15, 16, 18mm

**T40082 7pc Combination Wrench Set**  
10, 12, 13, 14, 15, 17, 19mm

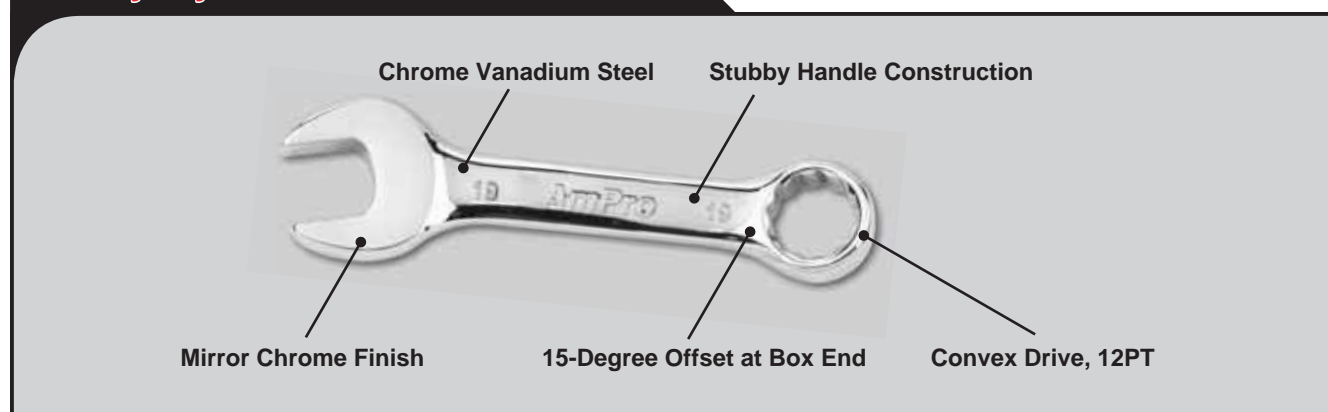
**T40091 7pc Combination Wrench Set**  
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

- T40070 8pc Combination Wrench Set**  
6, 7, 8, 9, 10, 13, 17, 19mm
- T40071 8pc Combination Wrench Set**  
10, 11, 12, 13, 14, 15, 17, 19mm
- T40080 12pc Combination Wrench Set**  
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19mm
- T40083 14pc Combination Wrench Set**  
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
- T40084 19pc Combination Wrench Set**  
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 29, 30, 32mm
- T40093 9pc Combination Wrench Set**  
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- T40094 11pc Combination Wrench Set**  
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"
- T40096 16pc Combination Wrench Set**  
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16, 1", 1-1/16", 1-1/8", 1-1/4"



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## Stubby Style Combination Wrenches

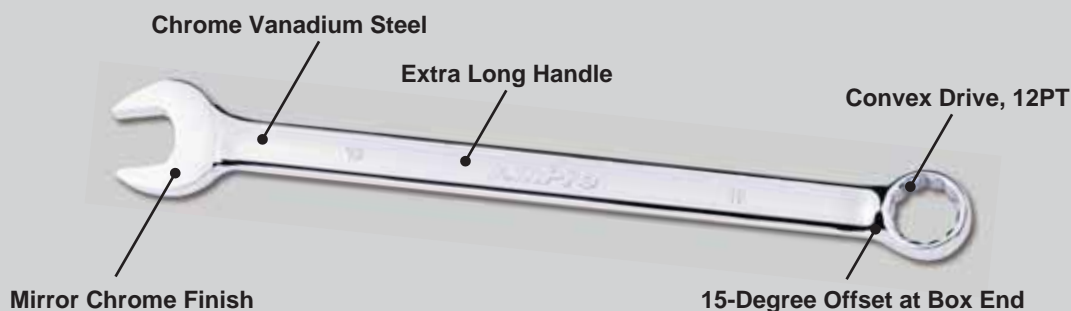


Model	Size	Model	Size
<b>T42008</b>	8mm	<b>T42052</b>	3/8"
<b>T42009</b>	9mm	<b>T42053</b>	7/16"
<b>T42010</b>	10mm	<b>T42054</b>	1/2"
<b>T42011</b>	11mm	<b>T42055</b>	9/16"
<b>T42012</b>	12mm	<b>T42056</b>	5/8"
<b>T42013</b>	13mm	<b>T42057</b>	11/16"
<b>T42014</b>	14mm	<b>T42058</b>	3/4"
<b>T42015</b>	15mm	<b>T42060</b>	7/8"
<b>T42016</b>	16mm		
<b>T42017</b>	17mm		
<b>T42018</b>	18mm		
<b>T42019</b>	19mm		
<b>T42022</b>	22mm		
<b>T42023</b>	23mm		

- T42092 7pc Stubby Combination Wrench Set**  
10, 12, 13, 14, 15, 16, 18mm
- T42093 7pc Stubby Combination Wrench Set**  
10, 12, 13, 14, 15, 17, 19mm
- T42096 7pc Stubby Combination Wrench Set**  
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



## Extra Long Combination Wrenches



9

Model	Size	Model	Size	Model	Size
<b>T41006</b>	6mm	<b>T41019</b>	19mm	<b>T41050</b>	1/4"
<b>T41007</b>	7mm	<b>T41020</b>	20mm	<b>T41051</b>	5/16"
<b>T41008</b>	8mm	<b>T41021</b>	21mm	<b>T41052</b>	3/8"
<b>T41009</b>	9mm	<b>T41022</b>	22mm	<b>T41053</b>	7/16"
<b>T41010</b>	10mm	<b>T41023</b>	23mm	<b>T41054</b>	1/2"
<b>T41011</b>	11mm	<b>T41024</b>	24mm	<b>T41055</b>	9/16"
<b>T41012</b>	12mm	<b>T41025</b>	25mm	<b>T41056</b>	5/8"
<b>T41013</b>	13mm	<b>T41026</b>	26mm	<b>T41057</b>	11/16"
<b>T41014</b>	14mm	<b>T41027</b>	27mm	<b>T41058</b>	3/4"
<b>T41015</b>	15mm	<b>T41028</b>	28mm	<b>T41059</b>	13/16"
<b>T41016</b>	16mm	<b>T41029</b>	29mm	<b>T41060</b>	7/8"
<b>T41017</b>	17mm	<b>T41030</b>	30mm	<b>T41061</b>	15/16"
<b>T41018</b>	18mm	<b>T41032</b>	32mm		



### **T41081 7pc Extra Long Combination Wrench Set**

10, 11, 12, 13, 14, 15, 17mm

### **T41082 9pc Extra Long Combination Wrench Set**

8, 10, 11, 12, 13, 14, 15, 17, 19mm

### **T41083 10pc Extra Long Combination Wrench Set**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

### **T41090 7pc Extra Long Combination Wrench Set**

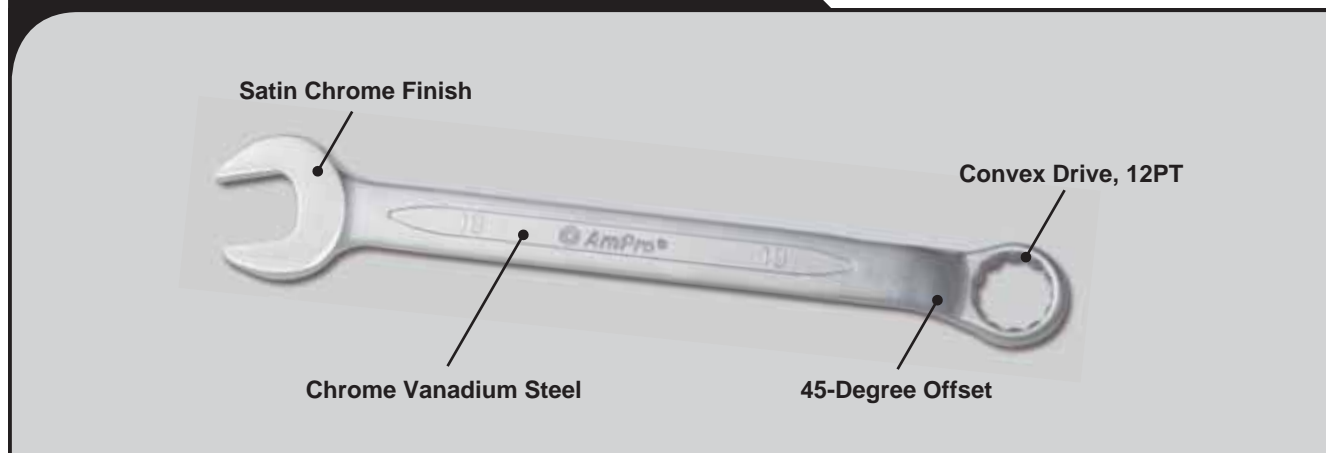
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16"

### **T41092 9pc Extra Long Combination Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



## "45-Degree Offset" Combination Wrenches



Model	Size	Model	Size	Model	Size	Model	Size
<b>T41206</b>	6mm	<b>T41219</b>	19mm	<b>T41250</b>	1/4"	<b>T41258</b>	3/4"
<b>T41207</b>	7mm	<b>T41220</b>	20mm	<b>T41251</b>	5/16"	<b>T41259</b>	13/16"
<b>T41208</b>	8mm	<b>T41221</b>	21mm	<b>T41252</b>	3/8"	<b>T41260</b>	7/8"
<b>T41209</b>	9mm	<b>T41222</b>	22mm	<b>T41253</b>	7/16"	<b>T41261</b>	15/16"
<b>T41210</b>	10mm	<b>T41223</b>	23mm	<b>T41254</b>	1/2"	<b>T41262</b>	1"
<b>T41211</b>	11mm	<b>T41224</b>	24mm	<b>T41255</b>	9/16"	<b>T41263</b>	1-1/16"
<b>T41212</b>	12mm	<b>T41225</b>	25mm	<b>T41256</b>	5/8"	<b>T41264</b>	1-1/8"
<b>T41213</b>	13mm	<b>T41226</b>	26mm	<b>T41257</b>	11/16"	<b>T41265</b>	1-1/4"
<b>T41214</b>	14mm	<b>T41227</b>	27mm				
<b>T41215</b>	15mm	<b>T41228</b>	28mm				
<b>T41216</b>	16mm	<b>T41229</b>	29mm				
<b>T41217</b>	17mm	<b>T41230</b>	30mm				
<b>T41218</b>	18mm	<b>T41232</b>	32mm				

### **T41273 7pc Combination Wrench Set**

10, 12, 13, 14, 15, 17, 19mm



### **T41270 8pc Combination Wrench Set**

6, 7, 8, 9, 10, 13, 17, 19mm

### **T41271 8pc Combination Wrench Set**

10, 11, 12, 13, 14, 15, 17, 19mm

### **T41280 12pc Combination Wrench Set**

6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19mm

### **T41285 14pc Combination Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24mm

### **T41286 14pc Combination Wrench Set**

10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32mm

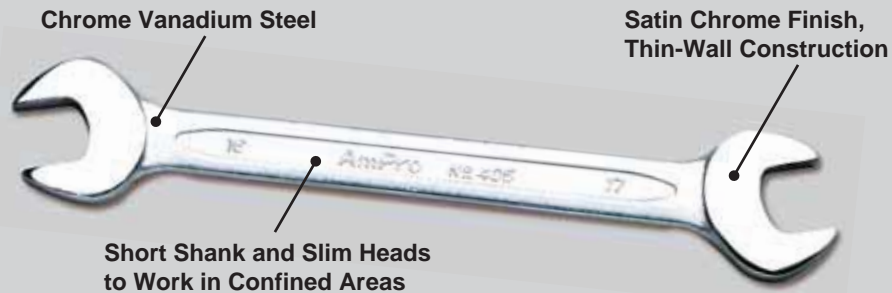




# AmPro®

## Thin-Wall Open End Wrenches

### Thin-Wall Open-End Wrenches



Model	Size	Model	Size	Model	Size
<b>T40506</b>	6mm x 7mm	<b>T40518</b>	17mm x 19mm	<b>T40550</b>	1/4" x 5/16"
<b>T40507</b>	6mm x 8mm	<b>T40519</b>	18mm x 19mm	<b>T40551</b>	5/16" x 3/8"
<b>T40508</b>	8mm x 9mm	<b>T40522</b>	20mm x 22mm	<b>T40552</b>	3/8" x 7/16"
<b>T40509</b>	8mm x 10mm	<b>T40523</b>	21mm x 23mm	<b>T40553</b>	7/16" x 1/2"
<b>T40510</b>	10mm x 11mm	<b>T40527</b>	24mm x 27mm	<b>T40555</b>	9/16" x 5/8"
<b>T40511</b>	10mm x 12mm	<b>T40528</b>	25mm x 28mm	<b>T40556</b>	5/8" x 11/16"
<b>T40512</b>	12mm x 13mm	<b>T40532</b>	30mm x 32mm	<b>T40557</b>	11/16" x 3/4"
<b>T40513</b>	12mm x 14mm	<b>T40536</b>	32mm x 36mm	<b>T40559</b>	13/16" x 7/8"
<b>T40514</b>	14mm x 15mm	<b>T40541</b>	36mm x 41mm	<b>T40561</b>	15/16" x 1-1/16"
<b>T40515</b>	14mm x 17mm	<b>T40546</b>	41mm x 46mm	<b>T40563</b>	1" x 1-1/8"
<b>T40517</b>	16mm x 17mm	<b>T40549</b>	46mm x 50mm		



#### **T40591 8pc Thin-Wall Open-End Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21mm x 23mm

#### **T40592 12pc Thin-Wall Open-End Wrench Set**

6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30mm x 32mm

#### **T40595 7pc Thin-Wall Open-End Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20mm x 22mm

#### **T40590 6pc Thin-Wall Open-End Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18mm x 19mm



## Flare Nut Wrenches



Model	Size	Model	Size
<b>T41950</b>	8mm x 9mm	<b>T41970</b>	1/4" x 5/16"
<b>T41951</b>	8mm x 10mm	<b>T41971</b>	5/16" x 3/8"
<b>T41952</b>	9mm x 11mm	<b>T41972</b>	3/8" x 7/16"
<b>T41953</b>	10mm x 11mm	<b>T41973</b>	7/16" x 1/2"
<b>T41954</b>	10mm x 12mm	<b>T41974</b>	1/2" x 9/16"
<b>T41955</b>	11mm x 13mm	<b>T41975</b>	9/16" x 5/8"
<b>T41956</b>	12mm x 13mm	<b>T41976</b>	5/8" x 11/16"
<b>T41957</b>	12mm x 14mm	<b>T41978</b>	11/16" x 3/4"
<b>T41958</b>	13mm x 14mm	<b>T41980</b>	3/4" x 7/8"
<b>T41959</b>	14mm x 17mm		
<b>T41960</b>	15mm x 17mm		
<b>T41961</b>	16mm x 18mm		
<b>T41962</b>	17mm x 19mm		
<b>T41964</b>	19mm x 21mm		
<b>T41965</b>	19mm x 22mm		

**T41990 4pc Flare Nut Wrench Set**  
1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16"

**T41991 4pc Flare Nut Wrench Set**  
9 x 11, 10 x 12, 13 x 14, 16mm x 18mm

**T41992 4pc Flare Nut Wrench Set**  
9 x 11, 10 x 12, 13 x 14, 15mm x 17mm



### Double Flex Flare Nut Wrenches

- Adjustable-angle ends
- Ends rotate up to 240 degrees
- 6 point convex and double offset
- Bottom flare design

**T41940 4pc Double Flex Head Flare Nut Wrench Set**  
8 x 11, 10 x 12, 13 x 17, 14mm x 19mm

**T41945 4pc Double Flex Head Flare Nut Wrench Set**  
5/16" x 7/16", 3/8" x 1/2", 9/16" x 5/8", 11/16" x 3/4"





## “75-Degree” Offset Box Wrenches



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Model	Size
<b>T40606</b>	6mm x 7mm
<b>T40608</b>	8mm x 9mm
<b>T40610</b>	10mm x 11mm
<b>T40612</b>	12mm x 13mm
<b>T40614</b>	14mm x 15mm
<b>T40617</b>	16mm x 17mm
<b>T40619</b>	18mm x 19mm
<b>T40622</b>	20mm x 22mm
<b>T40623</b>	21mm x 23mm
<b>T40627</b>	24mm x 27mm
<b>T40628</b>	25mm x 28mm
<b>T40632</b>	30mm x 32mm

Model	Size
<b>T40650</b>	1/4" x 5/16"
<b>T40651</b>	5/16" x 3/8"
<b>T40652</b>	3/8" x 7/16"
<b>T40653</b>	7/16" x 1/2"
<b>T40655</b>	9/16" x 5/8"
<b>T40656</b>	5/8" x 11/16"
<b>T40657</b>	11/16" x 3/4"
<b>T40659</b>	13/16" x 7/8"
<b>T40661</b>	15/16" x 1"
<b>T40662</b>	15/16" x 1-1/16"
<b>T40663</b>	1" x 1-1/8"
<b>T40665</b>	1-1/8" x 1-1/4"



### **T40690 6pc Offset Box Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17,  
18mm x 19mm

### **T40691 8pc Offset Box Wrench Set**

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19,  
20 x 22, 21mm x 23mm

### **T40692 12pc Offset Box Wrench Set**

6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17,  
18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28,  
30mm x 32mm



## **T42460 5pc Extra Long Flat Box End Wrench Set**

8 x 10, 12 x 14, 13 x 15, 16 x 18, 17mm x 19mm

## **T42461 6pc Extra Long Flat Box End Wrench Set**

10 x 11, 12 x 14, 13 x 15, 16 x 18, 17 x 19, 22mm x 24mm



## **T42450 5pc Half-Moon Wrench Set**

- Perfect for reaching around exhaust manifolds and other obstructions
- Box end provides two compatible sizes on each wrench for consistent fastener engagement
- 12-Point, convex drive
- Chrome Vanadium steel
- Satin chrome finish
- Contents:  
10 x 12, 13 x 15, 14 x 17, 16 x 18, 19mm x 22mm





### Swivel Socket Combination Wrenches



Model	Size
T40960	10mm
T40961	11mm
T40962	12mm
T40963	13mm
T40964	14mm
T40965	15mm
T40966	16mm
T40967	17mm
T40968	18mm
T40969	19mm
T40950	3/8" (Mirror Polish)
T40951	7/16" (Mirror Polish)
T40952	1/2" (Mirror Polish)
T40953	9/16" (Mirror Polish)
T40954	5/8" (Mirror Polish)
T40955	3/4" (Mirror Polish)

#### T40990 6pc Swivel Socket Combination Wrench Set

10, 12, 13, 15, 17, 19mm

#### T40991 6pc Swivel Socket Combination Wrench Set

3/8", 7/16", 1/2", 9/16", 5/8", 3/4"



### Swivel Socket Wrenches (Convex Drive, 12PT)



Model	Size
T40909	8mm x 9mm
T40911	10mm x 11mm
T40913	12mm x 13mm
T40915	14mm x 15mm
T40917	16mm x 17mm
T40918	17mm x 19mm
T40919	18mm x 19mm
T40922	20mm x 22mm
T40923	21mm x 23mm
T40930	3/8" x 7/16"
T40931	1/2" x 9/16"
T40932	5/8" x 11/16"
T40933	11/16" x 3/4"
T40934	3/4" x 7/8"

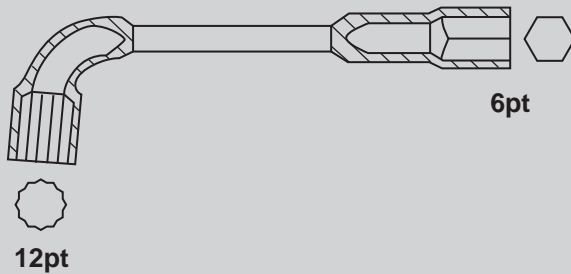
#### T40940 6pc Swivel Socket Wrench Set

8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18mm x 19mm



## Angled Socket Wrenches

- Chrome Vanadium Steel
- Mirror finish
- Industrial quality for the professional



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### **T41880 10pc Angled Socket Wrench Set**

8, 10, 11, 12, 13, 14, 16, 17, 18, 19mm

### **T41881 12pc Angled Socket Wrench Set**

8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24mm

## Construction Wrenches

- High torque design for heavy duty construction work
- Two sizes in one wrench



Forward & Reverse Lever

Model	Size	Model	Size	Model	Size
<b>T42400</b>	10mm x 12mm	<b>T42409</b>	17mm x 22mm	<b>T42417</b>	24mm x 27mm
<b>T42401</b>	10mm x 13mm	<b>T42410</b>	19mm x 21mm	<b>T42418</b>	24mm x 30mm
<b>T42402</b>	11mm x 13mm	<b>T42411</b>	19mm x 22mm	<b>T42419</b>	26mm x 32mm
<b>T42403</b>	12mm x 14mm	<b>T42412</b>	21mm x 23mm	<b>T42420</b>	27mm x 30mm
<b>T42405</b>	13mm x 17mm	<b>T42413</b>	21mm x 26mm	<b>T42421</b>	27mm x 32mm
<b>T42406</b>	14mm x 17mm	<b>T42414</b>	22mm x 24mm	<b>T42422</b>	30mm x 32mm
<b>T42407</b>	17mm x 19mm	<b>T42415</b>	22mm x 27mm	<b>T42423</b>	32mm x 35mm
<b>T42408</b>	17mm x 21mm	<b>T42416</b>	23mm x 26mm		



## Crowfoot Wrenches

(A)



(B)



### (A) 3/8" Dr. Flex Flare Nut Crowfoot Wrenches

- Adjustable-angle ends
- Rotates up to 180 degrees
- 6 Point convex drive, offset design
- Bottom flare design

#### **T42582 12pc 3/8" Dr. Flex Flare Nut Crowfoot Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

#### **T42583 12pc 3/8" Dr. Flex Flare Nut Crowfoot Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

### (B) 3/8" Dr. Flex Offset Box End Wrenches

- Adjustable-angle ends
- Rotates up to 180 degree
- 12 Point convex drive, offset design

#### **T42590 12pc 3/8" Dr. Flex Box End Wrench Set**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

#### **T42591 12pc 3/8" Dr. Flex Box End Wrench Set**

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"



#### **T42586 9pc 1/2" Dr. Flex Flare Nut Crowfoot Wrench Set**

17, 18, 19, 21, 22, 24, 27, 30, 32mm

#### **T42594 9pc 1/2" Dr. Flex Box End Wrench Set**

17, 18, 19, 21, 22, 24, 27, 30, 32mm



### Crowfoot Wrench Sets

- Chrome Molybdenum steel
- Metal rail for easy storage

#### **T42572 10pc 3/8" Dr. Flare Nut Crowfoot Wrench Set (Metric)**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

#### **T42577 11pc 3/8" & 1/2" Dr. Flare Nut Crowfoot Wrench Set (SAE)**

3/8" Dr. : 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"  
1/2" Dr. : 13/16", 7/8", 15/16", 1"





## **T42571 12pc 3/8" Dr. Flare Nut Crowfoot Wrench Set (SAE)**

- Chrome Molybdenum steel
- Contents:  
5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8",  
15/16", 1"
- Blowcase



## **T42570 19pc 3/8" & 1/2" Dr. Flare Nut Crowfoot Wrench Set (Metric)**

- Chrome Molybdenum steel
- Contents:  
3/8" Dr. : 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm  
1/2" Dr.: 21, 22, 24, 27, 28, 30, 32mm
- Blowcase



## **T42573 14pc 1/2" Dr. Crowfoot Wrench Set (Metric)**

- Chrome Molybdenum steel
- Open end wrenches access hard-to-reach fasteners
- Contents:  
14 - 1/2" Dr. Crowfoot Wrenches:  
27, 29, 30, 32, 33, 34, 35, 36, 38, 41, 43, 46, 48, 50mm

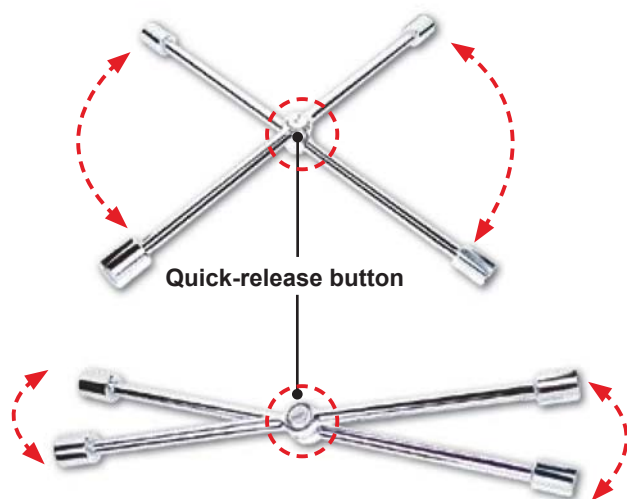


## **T42580 14pc 1/2" Dr. Crowfoot Wrench Set (SAE)**

- Chrome Molybdenum steel
- Open end wrenches access hard-to-reach fasteners
- Contents:  
14 - 1/2" Dr. Crowfoot Wrenches:  
1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16",  
1-1/2", 1-5/8", 1-11/16", 1-3/4", 1-13/16", 1-7/8", 2"
- Blowcase

## Lug Wrenches

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### 4-way Foldable Lug Wrenches

- Compact foldable design with quick-release button control



Model	Size	Length
<b>T41730</b>	3/4", 13/16", 7/8", 11/16"	14" 355mm
<b>T41731</b>	17mm, 19mm, 21mm, 23mm	14" 355mm
<b>T41736</b>	17mm, 19mm, 21mm, 23mm	16" 405mm
<b>T41737</b>	17mm, 19mm, 21mm, 1/2" Sq. Dr.	16" 405mm
<b>T41733</b>	3/4", 13/16", 7/8", 11/16"	20" 500mm
<b>T41734</b>	17mm, 19mm, 21mm, 23mm	20" 500mm



### 4-way Lug Wrenches

Model	Size	Length
<b>T41720</b>	3/4", 13/16", 7/8", 11/16"	14" 355mm
<b>T41721</b>	17mm, 19mm, 21mm, 23mm	14" 355mm
<b>T41723</b>	3/4", 13/16", 7/8", 11/16"	20" 500mm
<b>T41724</b>	17mm, 19mm, 21mm, 23mm	20" 500mm



### Folding Lug Wrenches

- Folds up for easy storage
- Chrome Vanadium steel



Model	Size	Length
<b>T41738</b>	17mm, 19mm, 21mm, 23mm	14" 355mm
<b>T41739</b>	11/16", 3/4", 13/16", 7/8"	14" 355mm

## T41729 Extendable Lug Wrench & Socket Set

- Provides more torque than standard lug wrenches
- Extendable wrench handle for convenient usage and storage
- Chrome Vanadium steel
- Extends from 13-1/2" (350mm) to 21-1/2" (550mm)
- 1/2" Dr. fits other 1/2" Dr. socket sizes
- Fits most domestic / foreign cars and light trucks
- 2 - Double Ended Sockets: 17 x 19, 21 x 23mm



## T41740 Lighted Lug Wrench Set

- Compact with 1/2" Dr. reversible double end sockets
- Built-in LED technology automatically turns on when socket is attached
- Extends from 13-1/2" (350mm) to 21-1/2" (550mm)
- Sockets: 17mm (11/16"), 19mm (3/4"), 21mm (13/16"), 23mm (7/8")



## Adjustable Hook Wrenches

- Ideal for adjusting collars, lock nut rings, and bearings
- Adjustable jaw allows to fit different sizes
- Chrome Vanadium steel

Model	Size
<b>T28627</b>	19mm - 50mm (3/4" - 2")
<b>T28628</b>	32mm - 75mm (1-1/4" - 3")
<b>T28629</b>	50mm - 120mm (2" - 4-3/4")





### **T41743 Ratcheting Lug Wrench Set (Metric)**

- 1/2" Dr. 2-in-1 sockets:  
17 x 19, 21mm x 23mm
- Reversible ratcheting handle

### **T41744 Ratcheting Lug Wrench Set (SAE)**

- 1/2" Dr. 2-in-1 sockets:  
17mm (11/16") x 3/4", 13/16" x 7/8"
- Reversible ratcheting handle



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### **T41741 Speed Lug Wrench Set (Metric)**

- 1/2" Dr. 2-in-1 Sockets: 17 x 19, 21mm x 23mm

### **T41742 Speed Lug Wrench Set (SAE)**

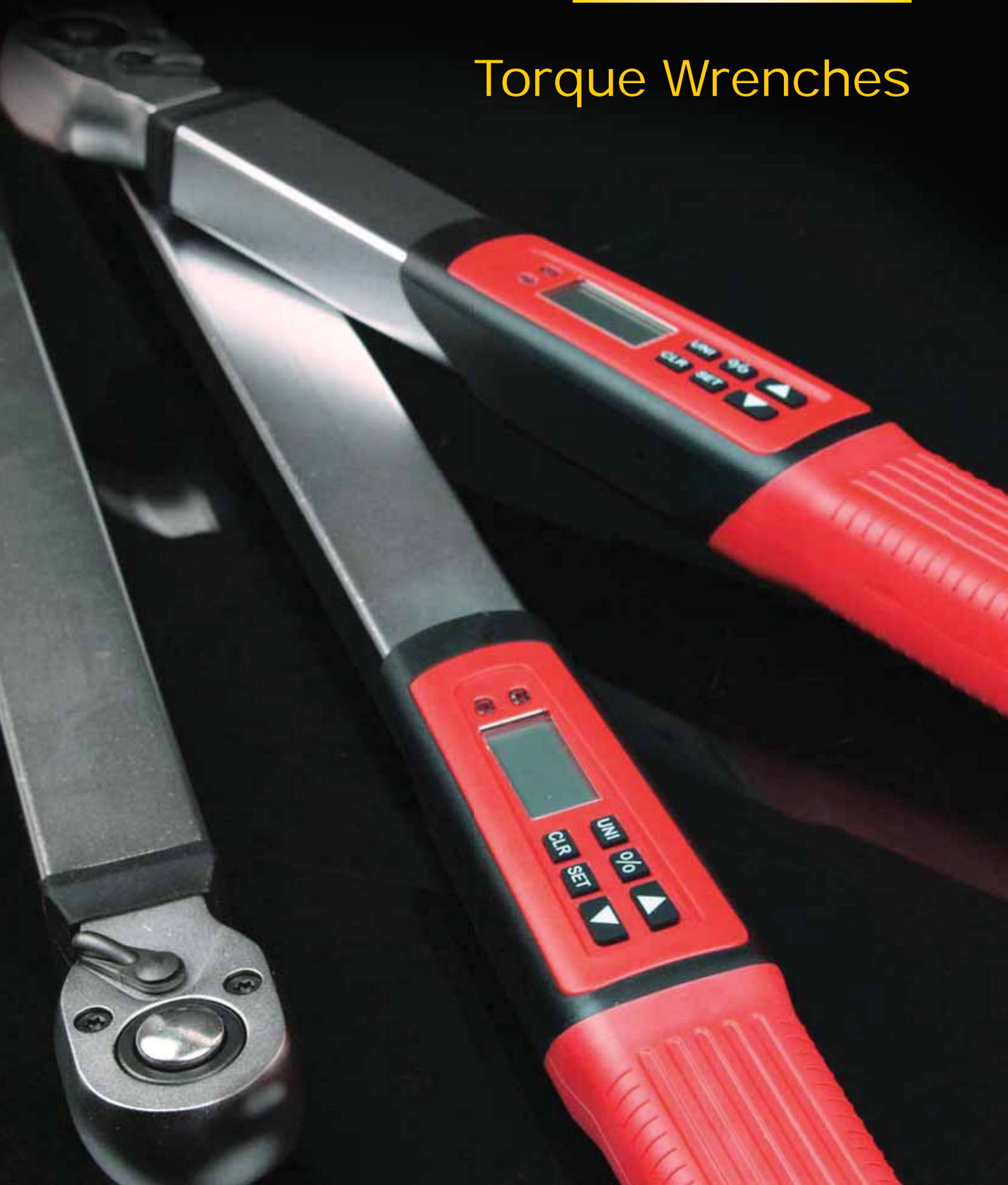
- 1/2" Dr. 2-in-1 Sockets: 17mm (11/16") x 3/4", 13/16" x 7/8"





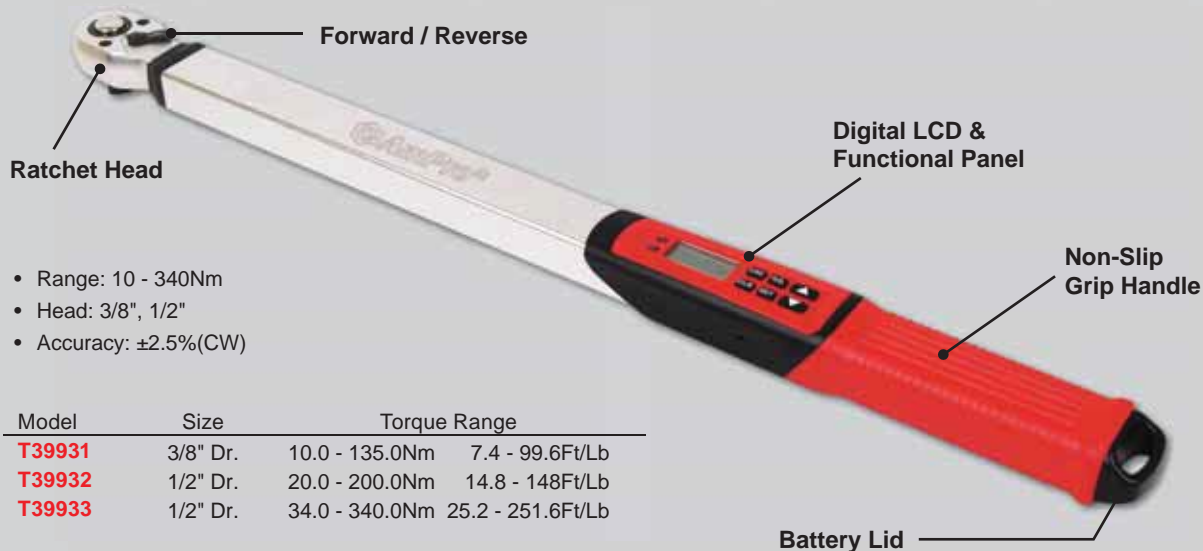


# Torque Wrenches



## Digital Torque Wrenches

The new AmPro digital torque wrenches are designed for simple and precise measurement of industrial, automotive, aerospace and many other applications. The torque wrench displays Peak torque on a large LCD panel in Ft/Lb, In/Lb, or Nm scale.

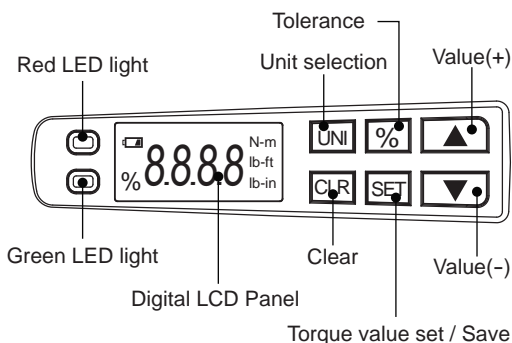


- Range: 10 - 340Nm
- Head: 3/8", 1/2"
- Accuracy:  $\pm 2.5\%$ (CW)

Model	Size	Torque Range	
<b>T39931</b>	3/8" Dr.	10.0 - 135.0Nm	7.4 - 99.6Ft/Lb
<b>T39932</b>	1/2" Dr.	20.0 - 200.0Nm	14.8 - 148Ft/Lb
<b>T39933</b>	1/2" Dr.	34.0 - 340.0Nm	25.2 - 251.6Ft/Lb

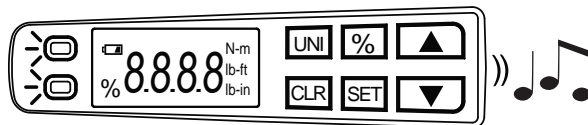


### Digital Display & Functional Panel



### Power On & Power Off

- Power on: Press any key for 3 seconds.



**PS** It may damage the wrench if turn on while applying torque.

- Power off:
  - (1). Automatic: Without applying torque, auto-shutoff after 90 seconds when the display indicates "0".
  - (2). Manual: Without applying torque, press **CLR** button for 5 seconds.

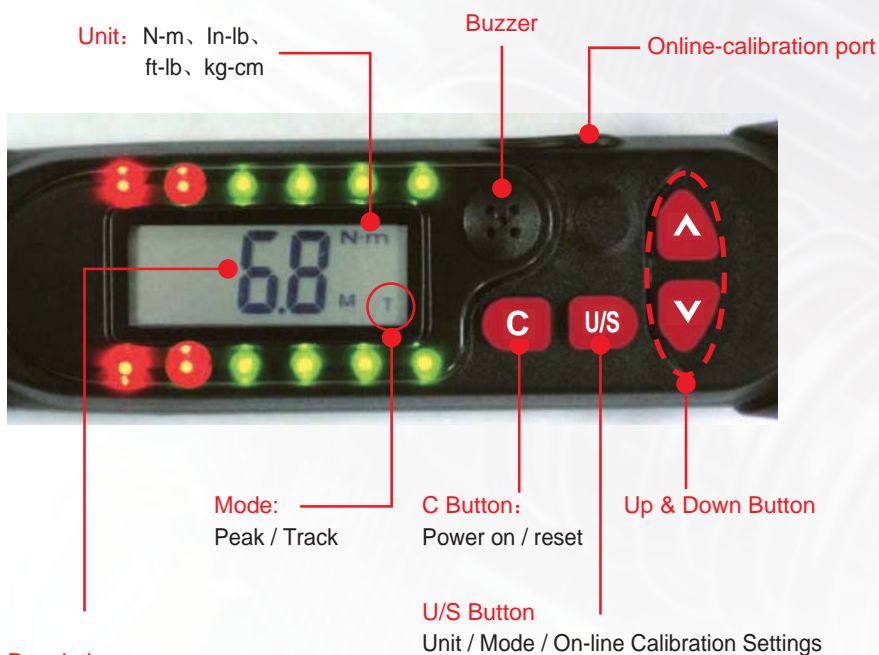
## Digital Torque Wrenches

- Standard functions include torque setting, unit setting, mode setting, and online calibration
- Functions in both clockwise and counter-clockwise directions
- LCD panel shows N-m, ft-lb, in-lb and kg-cm measurements
- Audible and visible torque confirmation by means of buzzer and LED indicator
- Easy setup per application



- Range: 30 - 340 N-m
- Head: 1/4", 3/8", 1/2"
- Accuracy:  $\pm 1\%$  or  $\pm 2\%$  (CW)

Model	Size	Torque Range	
<b>T39985</b>	1/4" Dr.	1.5 - 30Nm	13.3 - 265.5In/Lb
<b>T39986</b>	3/8" Dr.	6.8 - 135Nm	5 - 99.5Ft/Lb
<b>T39987</b>	1/2" Dr.	6.8 - 135Nm	5 - 99.5Ft/Lb
<b>T39988</b>	1/2" Dr.	10 - 200Nm	7.4 - 147.5Ft/Lb
<b>T39989</b>	1/2" Dr.	17 - 340Nm	12.5 - 250.7Ft/Lb



### 6 or 12 side LED lights

- Green LED lights are on when the torque is approaching the target torque value (a warning signal)
- Red LED lights are on when the torque reaches the target torque value (a stop signal)

### Resolution:

1/4", 3/8":

0.01N-m / 0.1in-lb / 0.01ft-lb / 0.1kg-cm

3/8", 1/2":

0.1N-m / 1in-lb / 0.1ft-lb / 1kg-cm



## Mini Industrial Torque Wrenches

- Industrial quality
- Tolerance of torque  $\pm 3\%$
- Material is aluminum alloy
- Quick release ratchet head
- Quality meets DIN ISO 6789 & ASME B107.14M-1994

Model	Size	Torque Range	Graduation	Length
<b>T39956</b>	1/4" Dr.	3 - 15Nm	0.1	205mm
<b>T39957</b>	1/4" Dr.	5 - 25Nm	0.2	240mm
<b>T39958</b>	3/8" Dr.	3 - 15Nm	0.1	205mm
<b>T39959</b>	3/8" Dr.	5 - 25Nm	0.2	240mm



## Industrial Torque Wrenches

- Industrial quality
- Tolerance of torque  $\pm 3\%$
- Easy torque-adjusting design
- Quick release ratchet head
- Quality meets DIN ISO 6789 & ASME B107.14M-1994

Model	Size	Torque Range
<b>T39945</b>	1/4" Dr.	2 - 10Nm 22.1 - 84.1In/Lb
<b>T39946</b>	1/4" Dr.	4 - 20Nm 39.8 - 172.6In/Lb
<b>T39947</b>	3/8" Dr.	4 - 20Nm 39.8 - 172.6In/Lb
<b>T39948</b>	3/8" Dr.	20 - 100Nm 16.6 - 71.9Ft/Lb
<b>T39949</b>	1/2" Dr.	40 - 200Nm 33.2 - 143.8Ft/Lb
<b>T39950</b>	1/2" Dr.	60 - 340Nm 51.6 - 243.4Ft/Lb
<b>T39951</b>	3/4" Dr.	100 - 600Nm 92 - 424Ft/Lb
<b>T39952</b>	3/4" Dr.	150 - 800Nm 129 - 572Ft/Lb
<b>T39953</b>	3/4" Dr.	200 - 1000Nm 166 - 719Ft/Lb
<b>T39954</b>	1" Dr.	150 - 800Nm 129 - 572Ft/Lb
<b>T39955</b>	1" Dr.	200 - 1000Nm 166 - 719Ft/Lb



## Torque Wrenches

- Chrome Vanadium steel ratchet
- Guaranteed to meet DIN-ISO 6789 and ANSI Spec. B107.14M
- Clicks when torque value is reached

Model	Size	Torque Range
<b>T39901</b>	1/4" Dr.	240In/Lb 24Nm
<b>T39905</b>	3/8" Dr.	960In/Lb 110Nm
<b>T39913</b>	1/2" Dr.	150Ft/Lb 210Nm
<b>T39915</b>	1/2" Dr.	250Ft/Lb 350Nm
<b>T39921</b>	3/4" Dr.	300Ft/Lb 420Nm
<b>T39923</b>	3/4" Dr.	500Ft/Lb 700Nm
<b>T39926</b>	1" Dr.	700Ft/Lb 980Nm



## Dual Scale Beam Torque Wrenches

- Precision calibrated scale with pre-selected torque specifications

Model	Size
<b>T74701</b>	1/2" Dr.





## Industrial Torque Wrenches - Window Clip Type

- Tolerance of torque  $\pm 4\%$
- Ergonomic grip with both SAE & Metric scales
- Quality meets DIN-ISO 6789 and ANSI Spec. B107.14M
- Quick release ratchet head

Model	Size	Torque Range
<b>T39965</b>	1/4" Dr.	36 - 180In/Lb 4 - 20Nm
<b>T39966</b>	3/8" Dr.	15 - 74Ft/Lb 20 - 100Nm
<b>T39967</b>	1/2" Dr.	30 - 148Ft/Lb 40 - 200Nm
<b>T39968</b>	1/2" Dr.	45 - 250Ft/Lb 60 - 340Nm



## Flexible Torque Wrenches

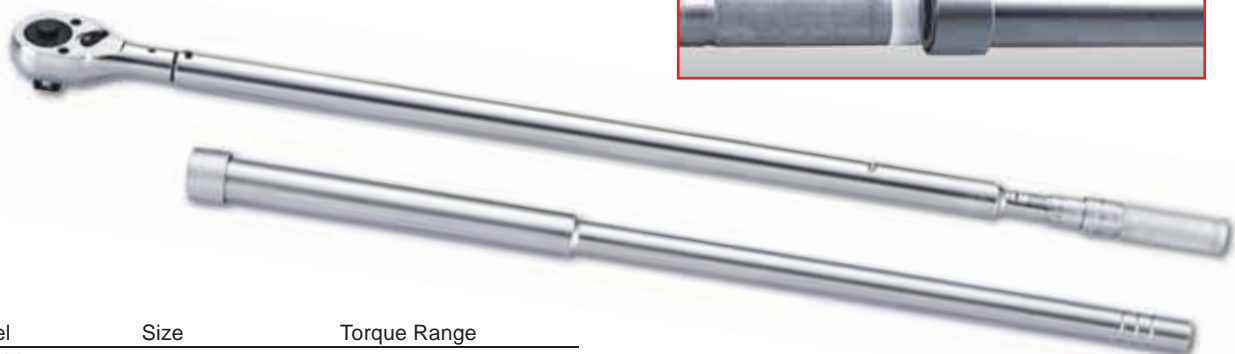
- 15-degree flex head in both directions
- Selected scale automatically locked
- Quick release design
- Ergonomic, rugged and no-slip rubber grip
- Quality meets DIN ISO 6789, ASME B107.14M-1994



Model	Size	Torque Range
<b>T39910</b>	3/8" Dr.	20 - 100Nm
<b>T39911</b>	3/8" Dr.	10 - 80Ft/Lb

## Industrial Torque Wrenches

- Industrial quality
- Tolerance of torque  $\pm 3\%$
- Add-on extension metal handle
- Quick release ratchet head
- Quality meets DIN ISO 6789 & ASME B107.14M-1994



Model	Size	Torque Range
<b>T39938</b>	1 Dr.	300 - 1500Nm 258 - 1070Ft/Lb

## Preset Torque Wrenches

- Ideal for production line where a particular torque is required for repetitive operations
- Reversible preset torque wrench
- Durable and non-slip rubber grip
- Quick release ratchet head
- Audible "Click" when torque is reached

Model	Size	Preset Torque
<b>T39990</b>	1/2" Dr.	88Nm
<b>T39991</b>	1/2" Dr.	110Nm
<b>T39992</b>	1/2" Dr.	135Nm
<b>T39993</b>	1/2" Dr.	163Nm
<b>T39994</b>	1/2" Dr.	190Nm
<b>T39995</b>	1/2" Dr.	65Ft/Lb
<b>T39996</b>	1/2" Dr.	80Ft/Lb
<b>T39997</b>	1/2" Dr.	100Ft/Lb
<b>T39998</b>	1/2" Dr.	120Ft/Lb
<b>T39999</b>	1/2" Dr.	140Ft/Lb



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## Preset Torque Open-End Wrenches

- Tolerance of torque  $\pm 4\%$
- Chrome Vanadium steel
- Unique head design prevents slipping of the nut while use

Model	Size	Preset Torque
<b>T43400</b>	17mm	16Nm
<b>T43401</b>	17mm	18Nm
<b>T43402</b>	22mm	30Nm
<b>T43403</b>	22mm	42Nm
<b>T43404</b>	24mm	55Nm
<b>T43405</b>	26mm	55Nm
<b>T43406</b>	27mm	65Nm
<b>T43407</b>	29mm	65Nm
<b>T43408</b>	36mm	100Nm



## Interchangeable Torque Wrenches



- Fits standard insert head
- Quick-release button for easy removal of the insert head
- Ergonomic and cushioned rubber grip
- Fast and accurate torque settings



Model	Dimension (mm)	Torque Range
<b>T39972</b>	9mm x 12mm	10 - 60Nm 9.2 - 42.4Ft/Lb
<b>T39973</b>	14mm x 18mm	20 - 100Nm 16.6 - 71.9Ft/Lb
<b>T39974</b>	14mm x 18mm	40 - 200Nm 33.2 - 143.8Ft/Lb

## Insert Tools for Interchangeable Torque Wrenches



## Ring Insert Tools

- Chrome Vanadium steel
- Fits for interchangeable torque wrenches
- Uses with T39972, T39973, T39974



Model	Size	(mm)
<b>T43300</b>	8mm	9mm x 12mm
<b>T43301</b>	10mm	9mm x 12mm
<b>T43302</b>	12mm	9mm x 12mm
<b>T43303</b>	14mm	9mm x 12mm
<b>T43304</b>	15mm	9mm x 12mm
<b>T43305</b>	17mm	9mm x 12mm
<b>T43306</b>	18mm	9mm x 12mm
<b>T43307</b>	19mm	9mm x 12mm
<b>T43308</b>	22mm	9mm x 12mm
<b>T43309</b>	14mm	14mm x 18mm
<b>T43310</b>	17mm	14mm x 18mm
<b>T43311</b>	19mm	14mm x 18mm
<b>T43312</b>	22mm	14mm x 18mm
<b>T43313</b>	24mm	14mm x 18mm
<b>T43314</b>	27mm	14mm x 18mm
<b>T43315</b>	30mm	14mm x 18mm
<b>T43316</b>	32mm	14mm x 18mm
<b>T43317</b>	36mm	14mm x 18mm

## Open Ended Insert Tools

- Chrome Vanadium steel
- Fits interchangeable torque wrenches
- Uses with T39972, T39973, T39974



Model	Size	(mm)
<b>T43000</b>	7mm	9mm x 12mm
<b>T43001</b>	10mm	9mm x 12mm
<b>T43002</b>	11mm	9mm x 12mm
<b>T43003</b>	12mm	9mm x 12mm
<b>T43004</b>	13mm	9mm x 12mm
<b>T43005</b>	14mm	9mm x 12mm
<b>T43006</b>	15mm	9mm x 12mm
<b>T43007</b>	16mm	9mm x 12mm
<b>T43008</b>	17mm	9mm x 12mm
<b>T43009</b>	18mm	9mm x 12mm
<b>T43010</b>	19mm	9mm x 12mm
<b>T43011</b>	13mm	14mm x 18mm
<b>T43012</b>	14mm	14mm x 18mm
<b>T43013</b>	15mm	14mm x 18mm
<b>T43014</b>	17mm	14mm x 18mm
<b>T43015</b>	18mm	14mm x 18mm
<b>T43016</b>	19mm	14mm x 18mm
<b>T43017</b>	21mm	14mm x 18mm
<b>T43018</b>	22mm	14mm x 18mm
<b>T43019</b>	24mm	14mm x 18mm
<b>T43020</b>	27mm	14mm x 18mm
<b>T43021</b>	30mm	14mm x 18mm
<b>T43022</b>	32mm	14mm x 18mm
<b>T43023</b>	34mm	14mm x 18mm
<b>T43024</b>	36mm	14mm x 18mm
<b>T43025</b>	38mm	14mm x 18mm
<b>T43026</b>	41mm	14mm x 18mm

## Ratchet Insert Tools (Push Type)

- Chrome Vanadium steel
- Fits interchangeable torque wrenches
- Uses with T39972, T39973, T39974



Model	Size	(mm)
<b>T43080</b>	1/4"	9mm x 12mm
<b>T43081</b>	3/8"	9mm x 12mm
<b>T43082</b>	3/8"	14mm x 18mm
<b>T43083</b>	1/2"	14mm x 18mm



## **T39976 8pc Interchangeable Torque Wrench Set**

- Contents:
  - 1 - Torque handle (10 - 60Nm)
  - 1 - Insert geared ratchet head (3/8" Dr.)
  - 3 - Open ended insert tools: 10, 13, 17mm
  - 3 - Ring insert tools: 10, 13, 17mm



## **T39977 11pc Interchangeable Torque Wrench Set**

- Contents:
  - 1 - Torque handle (40 - 200Nm)
  - 1 - Insert geared ratchet head (1/2" Dr.)
  - 9 - Open ended insert tools: 13, 14, 15, 17, 19, 22, 24, 27, 30mm



## **Torque Screwdrivers**

- Tolerance of torque  $\pm 5\%$
- 6.35mm (1/4") Hex drive for bit
- Automatic adjustable knob design
- Easy-to-read laser scale
- Ergonomic rubber grip



Model	Size	Torque Range
<b>T39980</b>	6.35mm (1/4") Hex Drive	10 - 120cNm
<b>T39981</b>	6.35mm (1/4") Hex Drive	1 - 6Nm
<b>T39982</b>	6.35mm (1/4") Hex Drive	3 - 15In/Lb
<b>T39983</b>	6.35mm (1/4") Hex Drive	10 - 50In/Lb

## **Preset Torque Screwdriver**

- Tolerance of torque  $\pm 5\%$
- 6.35mm (1/4") Hex drive for bit
- Ergonomic rubber grip
- Audible "Click" when torque reached
- The preset torque screwdriver are apply to the production line and where needs a particular torque for repetitive operation
- Quality meets DIN ISO 6789 & ASME B107.14M-1994



Model	Size	Torque Range
<b>T39984</b>	1/4" Dr.	0.2 - 1.6Nm





### Torque Multipliers (Hex Type)

- Tolerance of torque  $\pm 5\%$
- Precision geared mechanism applies high torque output with low input
- Heavy duty construction reduces maintenance procedures
- Torque Multiplier works in both directions
- To tighten/loosen nuts and bolts
- Great for removing over-tightened and seized nuts even when impact tools fail
- Ideal for use in large automotive shops, mining, heavy-duty engineering and remote locations where there is no access to air or electric power



Model	Input Sq.	Output Sq.	Gear Ratio	Torque Ratio	Max. Input Torque	Max. Output Torque
<b>T39960</b>	1/2" Dr.	3/4" Dr.	1:4	1:3.3	303Nm	1000Nm
<b>T39961</b>	1/2" Dr.	3/4" Dr.	1:9	1:6.5	231Nm	1500Nm
<b>T39962</b>	1/2" Dr.	1" Dr.	1:12	1:9	222Nm	2000Nm
<b>T39963</b>	1/2" Dr.	1" Dr.	1:16	1:12	208Nm	2500Nm
<b>T39964</b>	3/4" Dr.	1" Dr.	1:4	1:3.3	758Nm	2500Nm

**T39969** 5pc 1/2" (F) x 3/4" (M) 1500 Nm  
Torque Multiplier Set (Hex Type)

**T39970** 5pc 1/2" (F) x 1" (M) 2500 Nm  
Torque Multiplier Set (Hex Type)

**T39971** 5pc 3/4" (F) x 1" (M) 2500 Nm  
Torque Multiplier Set (Hex Type)

- Contents:
  - 1 - Torque Multiplier
  - 1 - 380mm Reaction Bar
  - 1 - 90° Reaction Base
  - 1 - 90° Reaction Bar
  - 1 - Break-away Safety Adaptor



**Warning:** Do not use  
with Impact Wrench.



### T74705 Torque Angle Gauge

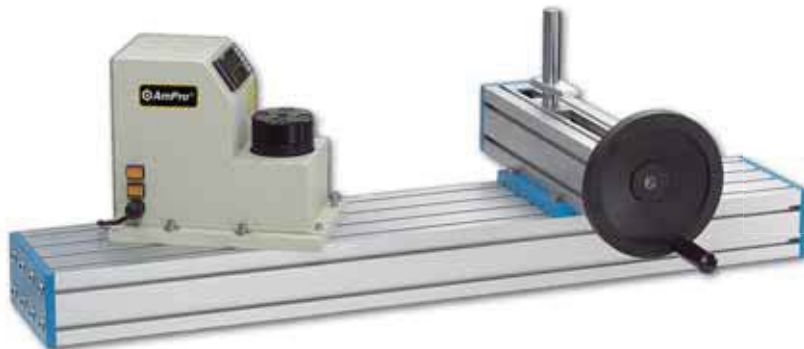
- Measures angle of rotation after pre-torque load in torque-angle applications
- 360 degree scale clearly marked in 2 degree increments & in intervals of 10 & 30
- Easily zero the gauge by turning housing for next application



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### T39900 Professional Torque Calibration Machine

- Quality meets DIN ISO 6789 and ASME B107.14M-1994
- Metrological accuracy ensuring reliability of test results
- Easy to operate
- Keeping the torque tester horizontally to remain within the tolerances specified by standard



Calibration	-500NM ~ 500NM
Resolution	1%
Display	-19999 ~ 99999
Accuracy	1%
Units of Measurement	KG-M / M-LB / NM / FT-LB
Reset Holding Time	0. ~ 9.9 sec.
Operating Temperture Range	+5°C ~ +50°C
Storage Temperture Range	0°C ~ +50°C

Maximum operating humidity	25 ~ 85% RH
Power Supply	90 ~ 260V AC @50-60 Hz
Power Consumption	1A
Power Cable	1700mm
Base Material / Finish	Aluminum Alloy / Silver Paint
Dimension	113 (L) x 20 (W) x 35 (H)cm
Weight	45.7 Kg



# Hex & Star Wrenches

## (SAE / Metric / Star)



**Magnetic**



**T22984**



**T22983**



**T22985**

## Magnetic Wrench Sets

- Magnetic tip for secure hold
- Color-coded for quick identification
- Industrial S2 alloy steel
- Flip-open style key holder
- Mirror finish, chrome plated ensures high corrosion protection

**T22984 9pc Magnetic Ball Point Hex Wrench Set**  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

**T22983 9pc Magnetic Ball Point Hex Wrench Set**  
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

**T22985 9pc Magnetic Tamper-Proof Star Wrench Set**  
T10, T15, T20, T25, T27, T30, T40, T45, T50

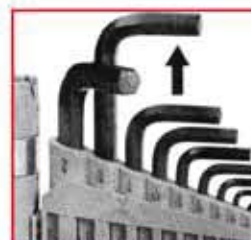
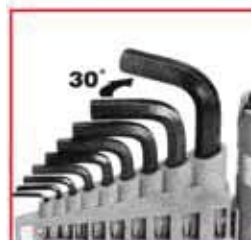
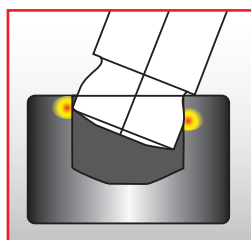
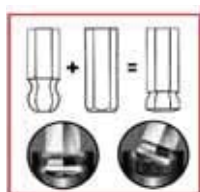
**T23000 9pc Magnetic Extra Long Ball Point Hex Wrench Set**  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

**T23001 9pc Magnetic Extra Long Ball Point Hex Wrench Set**  
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

**T23002 9pc Magnetic Extra Long Tamper-Proof Star Wrench Set**  
T10, T15, T20, T25, T27, T30, T40, T45, T50



**Turball Head Design**



## "Turball" Long Arm Ball Point Hex Wrench Sets

- Wobble action and standard all-in-one
- Long arm for maximum torque leverage
- Chrome Vanadium steel

**T22890 9pc "Turball" Long Arm Ball Point Hex Wrench Set**  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

**T22891 9pc "Turball" Long Arm Ball Point Hex Wrench Set**  
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"



## Hex & Star Wrench Sets

- Chrome Vanadium steel
- Bonus blow case for convenient storage

### **T22946 18pc Hex Wrench Set (SAE & Metric)**

9 - SAE: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

9 - Metric: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22947 18pc Hex & Star Wrench Set**

9 - Hex: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

9 - Star: T10, T15, T20, T25, T27, T30, T40, T45, T50



## Long Ball Point Hex & Star Wrench Sets

- Ball point end for speed & convenience
- Long arm maximum leverage & torque
- Chrome Vanadium steel
- Bonus blow case for convenient storage

### **T22948 18pc Long Ball Point Hex Wrench Set (SAE & Metric)**

9 - SAE: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

9 - Metric: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22949 18pc Extra Long Hex and Star Wrench Set**

9 - Hex: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

9 - Star: T10, T15, T20, T25, T27, T30, T40, T45, T50



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### **T22935 3-Way Multi-handle Ball Point Hex Wrench Set (SAE & Metric)**

- Flip-open style holder.
- Ball point end for speed & convenience.
- Long arm maximum leverage torque.
- Contents: (Chrome Vanadium steel)
- 13 - SAE:
  - 0.05, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
- 9 - Metric Sizes:
  - 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## Wrench Sets

- S2 alloy steel for strength and durability
- Superior grade plastic holder
- Satin finish, chrome plated



**T23010**



**T23011**

### **T23010 13pc Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm

### **T23011 12pc Hex Wrench Set**

1/16", 5/64", 3/32", 7/64", 1/8", 9/64, 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

## Long Arm Wrench Set

### **T23012 9pc Long Arm Ball Point Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T23013 9pc Long Arm Ball Point Hex Wrench Set**

1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

### **T23014 9pc Long Arm Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50

### **T23015 9pc Long Arm Tamper-Proof Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50

### **T23016 18pc Long Arm Ball Point Hex Wrench Set (SAE & Metric)**

9 - SAE: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

9 - Metric: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T23017 18pc Long Arm Ball Point Hex & Tamper-Proof Star Wrench Set**

9 - Metric: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

9 - Tamper-Proof Star:

T10, T15, T20, T25, T27, T30, T40, T45, T50



**T23012**



**T23013**



**T23014**



**T23015**



**T23016**



**T23017**



## Extra Long Ball Point Hex Wrench Sets

- Chrome Vanadium steel for strength and durability
- Superior grade plastic holder
- Satin finish, chrome plated

### **T23020** 10pc Extra Long Ball Point Hex Wrench Set

1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T23021** 13pc Extra Long Ball Point Hex Wrench Set

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"



**T23020**

**T23021**

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## Ball Point Hex Wrench Sets

- Chrome Vanadium steel for strength and durability
- Superior grade plastic holder
- Satin finish, chrome plated

### **T23023** 25pc Ball Point Hex Wrench Set (Metric & SAE)

12 - Metric:

1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10mm

13 - SAE:

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"



## Folding Wrench Sets

- Chrome Vanadium steel
- Mirror finish, chrome plated

### **T23025** 8pc Folding Ball Point Hex Wrench Set

1.5, 2, 2.5, 3, 4, 5, 6, 8mm

### **T23026** 9pc Folding Ball Point Hex Wrench Set

5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

### **T23027** 8pc Folding Star Wrench Set

T9, T10, T15, T20, T25, T27, T30, T40



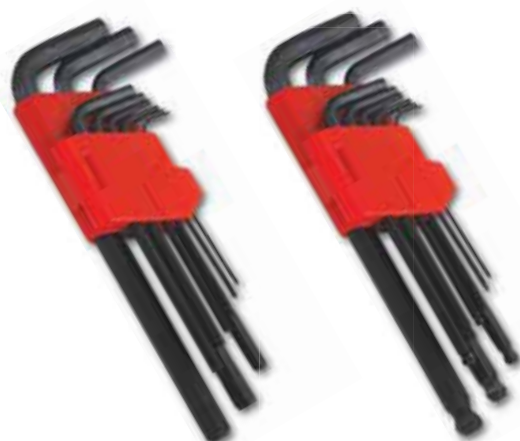
**T23025**

**T23026**

**T23027**




**T22924 / T22925**
**T22926**
**T22927**

**T22932**
**T22933**


## "L" Type Wrench Sets

- Chrome Vanadium steel
- Satin finish
- Easy access, flip-open style key holder

### **T22924 9pc Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50

### **T22925 9pc Tamper-Proof Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50

### **T22928 9pc Hex Wrench Set**

1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

### **T22926 9pc Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22927 9pc Ball Point Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22932 9pc Long Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22933 9pc Long Ball Point Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T22929 9pc Long Ball Point Hex Wrench Set**

1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

### **T22934 9pc Long Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50

## Hex Wrench Sets

- Chrome Vanadium steel
- Convenient storage holder

### **T73000 12pc Hex Wrench Set**

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"

### **T73001 9pc Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T73003 12pc Long Arm Hex Wrench Set**

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"

### **T73004 9pc Long Arm Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

## Long Arm Hex Wrench Sets

- Chrome Vanadium steel
- Extra long shanks with convenient storage holder

### **T73010 12pc Long Arm Hex Wrench Set**

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"

### **T73012 9pc Long Arm Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

### **T73040 12pc Long Arm Hex Wrench w/ Ball End**

0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"

### **T73041 9pc Long Arm Hex Wrench w/ Ball End**

1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## Hex Wrench Sets

- Chrome Vanadium steel
- Great for hard-to-reach applications
- Includes convenient folding storage holder

**T73006 7pc Long Ball Point Speed Hex Wrench Set**  
2.5, 3, 4, 5, 6, 8, 10mm

**T73007 7pc Long Ball Point Speed Hex Wrench Set**  
3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

**T73014 11pc Hex Wrench Set**  
0.05", 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

**T73016 10pc Hex Wrench Set**  
1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## Industrial Wrench Sets

- Industrial S2 Alloy steel
- Extra long shanks w/ convenient storage holder

**T22955 9pc Extra Long Ball Point Hex Wrench Set**  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

**T22956 9pc Extra Long Ball Point Hex Wrench Set**  
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

**T22960 9pc Extra Long Star Wrench Set**  
T10, T15, T20, T25, T27, T30, T40, T45, T50

**T22962 9pc Extra Long Tamper-Proof Star Wrench Set**  
T10, T15, T20, T25, T27, T30, T40, T45, T50



## Folding Wrench Sets

- Chrome Vanadium steel
- Cushioned grip handle for comfort and sturdy hold

**T22990 8pc Folding Star Wrench Set**  
T8, T10, T15, T20, T25, T27, T30, T40

**T22991 8pc Folding Tamper-Proof Star Wrench Set**  
T8, T10, T15, T20, T25, T27, T30, T40

**T22993 7pc Folding Hex Wrench Set**  
1.5, 2, 2.5, 3, 4, 5, 6mm

**T22994 7pc Folding Hex Wrench Set**  
2.5, 3, 4, 5, 6, 8, 10mm

**T22997 7pc Folding Hex Wrench Set**  
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32"

**T22998 7pc Folding Hex Wrench Set**  
3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"





### Folding Wrench Sets

- Chrome Vanadium steel
- Satin finish

#### **T22940 8pc Folding Star Wrench Set**

T9, T10, T15, T20, T25, T27, T30, T40

#### **T22941 8pc Tamper-Proof Star Wrench Set**

T9, T10, T15, T20, T25, T27, T30, T40

#### **T22942 8pc Hex Wrench Set**

2.5, 3, 4, 5, 6, 7, 8, 10mm

#### **T22972 7pc Folding Star Wrench Set (Black Oxide Finish)**

T10, T15, T20, T25, T27, T30, T40

#### **T22981 16pc Hex & Star Wrench Set**

- Hex: 1.5, 2, 2.5, 3, 4, 5, 6, 8mm
- Star: T9, T10, T15, T20, T25, T27, T30, T40



#### **T22967 18pc Long Arm Wrench & Star Bit Set**

- S2 alloy steel
- Contents:
  - 7 - Hex Wrench: 3, 4, 5, 6, 7, 8, 10mm
  - 1 - 8mm Adaptor
  - 1 - Handle
  - 9 - 8mm Star Bits (30mm):
    - T10, T15, T25, T27, T27, T30, T40, T45, T50



#### **T22896 7pc "Turball" Hex Wrench Set**

2.5, 3, 4, 5, 6, 8, 10mm

#### **T22897 7pc "Turball" Hex Wrench Set**

1.5, 2, 2.5, 3, 4, 5, 6mm

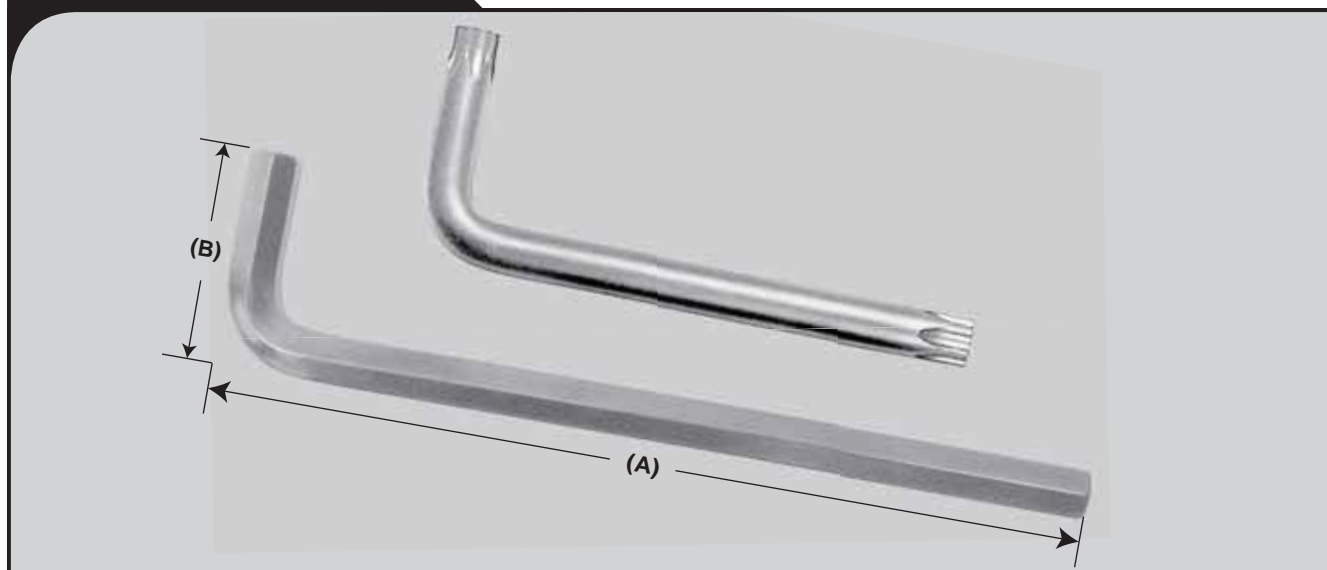


#### **T22970 6pc Industrial Star Driver Set**

- Chrome Vanadium steel
- Black oxide finish resists corrosion
- T40, T45, T47, T50, T55, T60



## Jumbo Size Wrenches



### Jumbo Hex Wrenches

Model	Size	(A)	(B)
<b>T23050</b>	12.0mm	125mm	45mm
<b>T23051</b>	14.0mm	140mm	56mm
<b>T23053</b>	17.0mm	160mm	63mm
<b>T23054</b>	19.0mm	180mm	70mm
<b>T23055</b>	22.0mm	200mm	80mm
<b>T23056</b>	24.0mm	224mm	90mm
<b>T23057</b>	27.0mm	250mm	100mm
<b>T23058</b>	30.0mm	280mm	112mm
<b>T23059</b>	32.0mm	315mm	125mm
<b>T23060</b>	36.0mm	355mm	140mm
<b>T23061</b>	41.0mm	401mm	153mm
<b>T23062</b>	42.0mm	407mm	157mm
<b>T23063</b>	46.0mm	444mm	166mm
<b>T23064</b>	50.0mm	474mm	184mm
<b>T23065</b>	55.0mm	520mm	194mm

\* T23057 ~ T23065 Black Oxide Finish.

### Jumbo-Long Hex Wrenches

Model	Size	(A)	(B)
<b>T23070</b>	12.0mm	207mm	45mm
<b>T23071</b>	14.0mm	230mm	56mm
<b>T23072</b>	17.0mm	250mm	61mm
<b>T23073</b>	19.0mm	280mm	70mm

### Jumbo Star Wrenches

Model	Size	(A)	(B)
<b>T23075</b>	T55	123mm	45mm

### Jumbo-Long Star Wrenches

Model	Size	(A)	(B)
<b>T23080</b>	T50	152mm	32mm
<b>T23081</b>	T55	171mm	35mm
<b>T23082</b>	T60	190mm	38mm
<b>T23083</b>	T70	209mm	41mm

### **T23090** 6pc Jumbo Hex Wrench Set

8, 10, 12, 14, 17, 19mm



### **T23093** 4pc Jumbo-Long Hex Wrench Set

12, 14, 17, 19mm

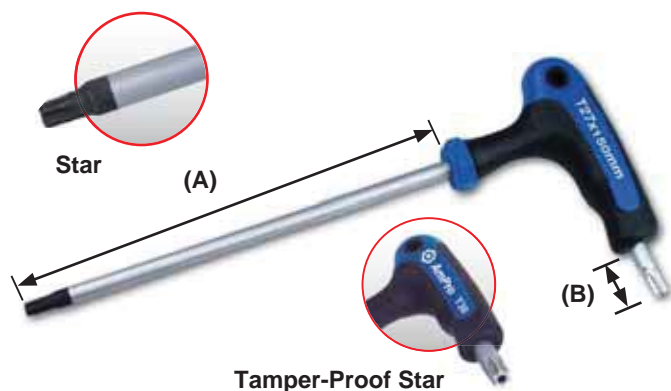




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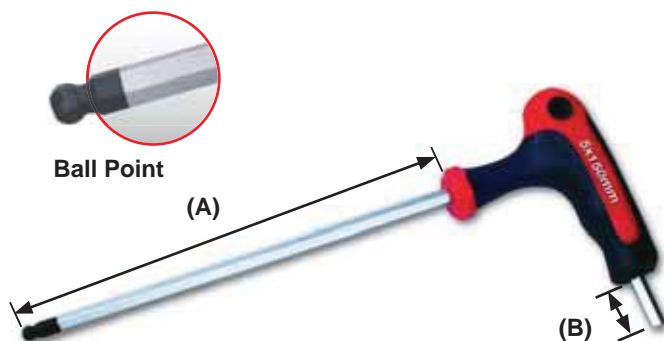
## T-Handle Hex & Star Wrenches

### T-Handle Tamper-Proof Star and Star Wrenches



Model	Size	(A)	(B)
<b>T22802</b>	T9	100mm	15mm
<b>T22803</b>	T10	100mm	15mm
<b>T22804</b>	T15	100mm	15mm
<b>T22805</b>	T20	100mm	15mm
<b>T22806</b>	T25	150mm	17mm
<b>T22807</b>	T27	150mm	17mm
<b>T22808</b>	T30	150mm	17mm
<b>T22809</b>	T40	200mm	20mm
<b>T22810</b>	T45	200mm	20mm
<b>T22811</b>	T50	200mm	22mm
<b>T22812</b>	T55	200mm	22mm

### T-Handle Ball Point and Hex Wrenches



Model	Size	(A)	(B)
<b>T22815</b>	2mm	100mm	15mm
<b>T22816</b>	2.5mm	100mm	15mm
<b>T22817</b>	3mm	100mm	15mm
<b>T22819</b>	4mm	150mm	17mm
<b>T22821</b>	5mm	150mm	17mm
<b>T22822</b>	5.5mm	150mm	17mm
<b>T22823</b>	6mm	150mm	17mm
<b>T22827</b>	7mm	200mm	20mm
<b>T22824</b>	8mm	200mm	20mm
<b>T22825</b>	10mm	200mm	20mm
<b>T22826</b>	12mm	200mm	20mm
<b>T22830</b>	5/64"	100mm	15mm
<b>T22831</b>	3/32"	100mm	15mm
<b>T22833</b>	1/8"	100mm	15mm
<b>T22835</b>	5/32"	150mm	17mm
<b>T22836</b>	3/16"	150mm	17mm
<b>T22838</b>	1/4"	150mm	17mm
<b>T22839</b>	5/16"	200mm	20mm
<b>T22840</b>	3/8"	200mm	20mm
<b>T22841</b>	1/2"	200mm	20mm

#### **T22900 10pc T-Handle Tamper-Proof Star and Star Wrench Set**

T10, T15, T20, T25, T27, T30, T40, T45, T50, T55

#### **T22901 10pc T-Handle Ball Point and Hex Wrench Set**

2, 2.5, 3, 4, 5, 5.5, 6, 8, 10, 12mm

#### **T22902 10pc T-Handle Ball Point and Hex Wrench Set**

5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2"