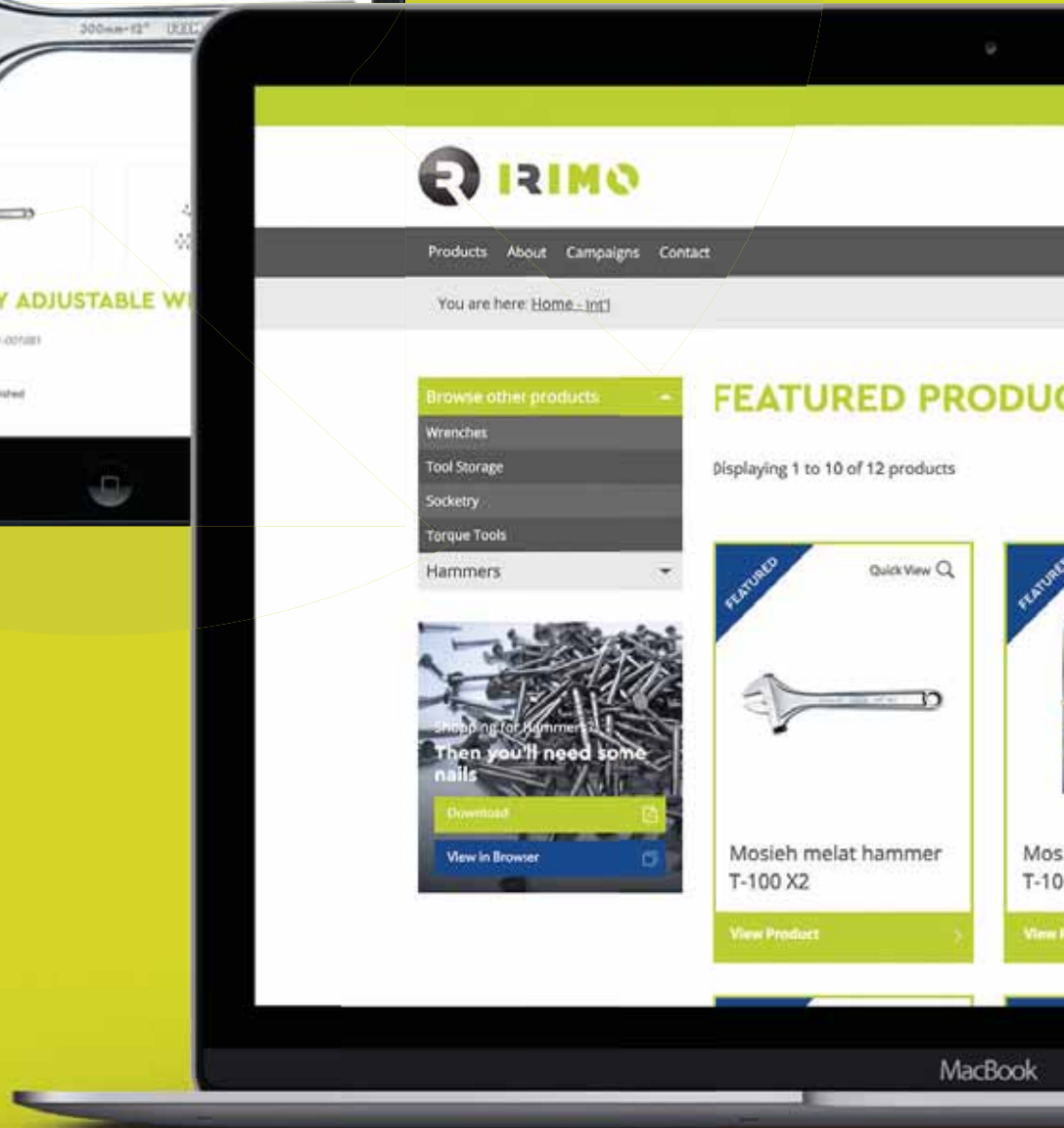
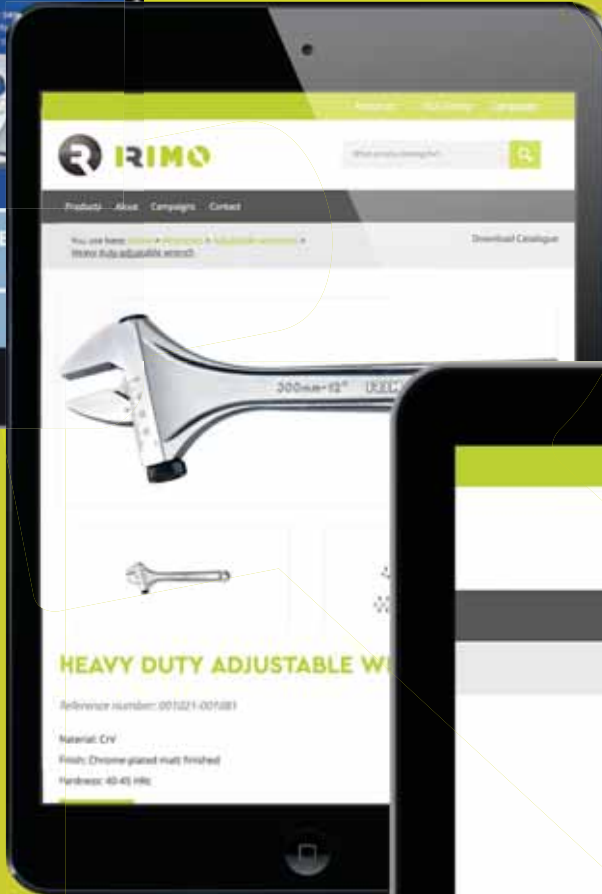




CATALOGUE 2017-2018





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**IRIMO**

1. TOOL STORAGE

## Tool trolleys

### 5 DRAWER TOOL TROLLEY



### 6 DRAWER TOOL TROLLEY



### 7 DRAWER TOOL TROLLEY



- 5 drawer trolley
- Drawers with internal dimensions of:  
(1 x) 543 x 445 x 53 mm  
(2 x) 543 x 445 x 118 mm  
(2 x) 543 x 445 x 184 mm

- 6 drawer trolley
- Drawers with internal dimensions of:  
(3 x) 543 x 445 x 53 mm  
(2 x) 543 x 445 x 118 mm  
(1 x) 543 x 445 x 249 mm

- 7 drawer trolley
- Drawers with internal dimensions of:  
(5 x) 543 x 445 x 53 mm  
(1 x) 543 x 445 x 118 mm  
(1 x) 543 x 445 x 249 mm

- Large capacity heavy duty construction trolley
- Double wall frame protects the sides and drawers from shocks/crashes
- Reinforced areas to reduce stress in specific points of the trolley
- Long ball bearing slides with 100% opening drawers
- Click/detent closing system of drawers
- Strong and secure round type key and central locking mechanism
- Wheels of 125 x 30 mm with ball bearings and non-marking rubber outer surface:  
2 fixed and  
2 swivel with brake

Q	Icon	Dimensions (mm)	Weight (kg)	Capacity (kg)	Wheels (mm)	Locking (mm)	Weight (kg)
9066K5	1	677x501x950	600	543x445xh	30	35x125	62
9066K6	1	677x501x950	600	543x445xh	30	35x125	66
9066K7	1	677x501x950	600	543x445xh	30	35x125	68

### 4 DRAWER TOP CHEST



- 4 drawers top chest
- Large capacity heavy duty construction top chest
- Double wall frame protects the sides and drawers from shocks/crashes
- Reinforced areas to reduce stress in specific points of the trolley
- Long ball bearing sides with 100% opening drawers
- Click/detent closing system of drawers
- Strong and secure round type key and central locking mechanism
- Drawers with internal dimensions of:  
(3 x) 543 x 445 x 53 mm  
(1 x) 543 x 445 x 118 mm

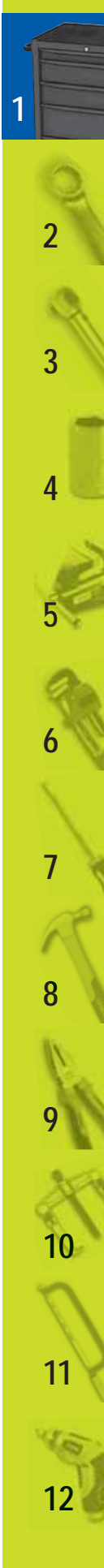
### SPARE PARTS

9066K-01	SP Slides (x2)	30 kg capacity
9066K-02	SP Swivel wheels (x2)	125 x 30 mm
9066K-03	SP Fixed wheels (x2)	125 x 30 mm
9066K-05	SP Handle x 9066K series	
9066K-06	SP Top mat x 26 trolleys	
9064-15	SP Pocket handles (x2)	
9064AC01	SP Drawer liner-7 units set	



Q	Icon	Dimensions (mm)	Weight (kg)	Capacity (kg)	Wheels (mm)	Weight (kg)
9065K4	1	677x501x420	300	543x445xh	30	40

TROLLEY 6 DRAWERS WITH FOAM AND TOOLS, 178 pieces



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9066K6FF101      1      677x501x950      80

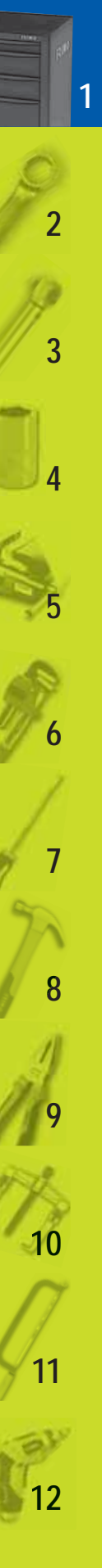
407-4-100 0,8x4x100		407-5.5-125 1x5,5x125	
407-6.5-150 1,2x6,5x150		407-8-175 1,2x8x175	
408-6.5-25 6,5x25		409-1-100 PH1 x 100	
409-2-125 PH2 x 125		409-3-150 PH3 x 150	
409-2-25 PH-2x25		413-1-100 PZ-1x100	
413-2-125 PZ-2x125		601-180-1 180 mm	
612-160-1 160 mm		625-180-1 180 mm	
25		6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm	
10		6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23; 24x27; 30x32 mm	
105-48-1 1/4" - 1/4"		125-48-1 1/2" - 5/16"	
121 1/2"		10; 11; 12; 13; 14; 15; 17; 19; 22; 24; 27; 30; 32 mm	
125-23-1 1/2" - 125 mm		125-25-1 1/2" - 250 mm	
125-54-1 1/2" - 21 mm		125-70-1 1/2"	
125-42-1 1/2"		125-40-1 1/2"	
101 1/4"		4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm	
103 1/4"		4; 5; 6; 7; 8; 9; 10; 11; 12; 13 mm	

515-002-1 2 mm		515-003-1 3 mm	
515-004-1 4 mm		515-005-1 5 mm	
515-006-1 6 mm		511-105-1 4 mm	
634-250-1 250 mm		5-150C-1 150 mm - 6"	
5-250C-1 250 mm - 10"		665-200-1 85 mm	
475-61-1 1/4"		980-3B-1 3 m x 16 mm	
48-9-H 1,5-10 mm		501-150-1 150 mm	
529171 35 mm		527-61-2 700 g	
105-24-1 1/4" - 100 mm		105-22-1 1/4" - 50 mm	
105-40-1 1/4"		105-70-1 1/4"	
105-50-1 1/4"		105-42-1 1/4"	

9066K6	
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# Tool trolleys

TROLLEY 7 DRAWERS WITH FOAM AND TOOLS, 222 pieces



9066K7FF102	1	677x501x954	90		
407-4-100 0,8x4x100	⊕		407-5.5-125 1x5,5x125	⊕	
407-6.5-150 1,2x6,5x150	⊕		407-8-175 1,2x8x175	⊕	
408-6.5-25 6,5x25	⊕		409-1-100 PH1 x 100	⊕	
409-2-125 PH2 x 125	⊕		409-3-150 PH3 x 150	⊕	
409-2-25 PH-2x25	⊕		413-1-100 PZ-1x100	⊕	
413-2-125 PZ-2x125	⊕		601-180-1 180 mm		
612-160-1 160 mm			625-180-1 180 mm		
25		6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm			
10		6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23; 24x27; 30x32 mm			
105-48-1 1/4" - 1/4"			125-48-1 1/2" - 5/16"		
121 1/2"			10; 11; 12; 13; 14; 15; 17; 19; 22; 24; 27; 30; 32 mm		
125-23-1 1/2" - 125 mm			125-25-1 1/2" - 250 mm		
125-54-1 1/2" - 21 mm			125-70-1 1/2"		
125-42-1 1/2"			125-40-1 1/2"		
101 1/4"		4; 4,5; 5; 5,5; 6; 7; 8; 9; 10; 11; 12; 13 mm			
103 1/4"		4; 5; 6; 7; 8; 9; 10; 11; 12; 13 mm			
105-24-1 1/4" - 100 mm			105-22-1 1/4" - 50 mm		
105-40-1 1/4"			105-70-1 1/4"		
105-50-1 1/4"			105-42-1 1/4"		
529171 35 mm			501-150-1 150 mm		

515-002-1 2 mm		515-003-1 3 mm	
515-004-1 4 mm		515-005-1 5 mm	
515-006-1 6 mm		511-105-1 4 mm	
634-250-1 250 mm		5-150C-1 150 mm - 6"	
5-250C-1 250 mm - 10"		665-200-1 85 mm	
475-61-1 1/4"		980-3B-1 3 m x 16 mm	
48-9-H 1,5-10 mm		534261 8" 2nd cut	
534291 8" 2nd cut		534321 8" 2nd cut	
534351 8" 2nd cut		534381 8" 2nd cut	
534411 8" 2nd cut		458-8-F Torx® T9-T40	
180- 1/2"		5-6-7x60; 8-10-12-14-17x60; 5-6-7-8-10-12x100 mm	
183- 1/2"		T30x60; T40x60; T40x120; T45x60; T45x120; T50x60; T50x120; T55x60; T55x140; T60x60 mm	
801-145-1 229 mm		527-61-2 700 g	
716-		M3-M6, M6-M8, M8-M11, M11-M14, M14-M18	



9066K7



### 3 TOOL BOXES TOWER ON WHEELS



- Multiple compartments provides extensive storage facility allow to store everything you
- Light but robust construction
- On wheels solution, together with the telescopic handle, makes its driving easy even when very loaded
- Rubber wheels dim: 125 x 35 mm
- Locking bar with padlock for full locking included
- The 3 compartments can be attached and detached easily with the lateral metallic latches
- **Top compartment:** int: Ø 435 x 215 x 200 mm  
Can be used as an independent tool box and it can be locked using a padlock  
Alu big handle makes its transport easy and comfortable  
Built-in side handles help to lift when very loaded  
Portable tray included 450 x 185 x 45 mm
- **Medium compartment:** int dim of 2 drawers: 390 x 215 x 60 mm  
2 Drawers with ball bearing sliders and full extension, also padlockable  
Built-in side handles help to lift when very loaded
- **Bottom compartment:** int dim: 403 x 200 x 265 mm  
Drawer pivots giving full access and making the storage hose reels, drills and similar big tools/ accessories easy
- Telescopic handle is permanently attached to the bottom compartment and has 4 positions:  
995 mm, 900 mm, 800 mm and 645 mm
- External dim: 520 x 320 x 720 mm

Q	Icon	Icon	Icon
9021FTW520	1	520x320x720	15
9021FTW520-BB	BOTTOM BOX		
9021FTW520-MD	MIDDLE DRAWER		
9021FTW520-TB	TOP BOX		

### SPARE PARTS

9021FTW520-AC1	2 wheels & spindle	125 x 35 mm
9021FTW520-AC2	Lock for tower	
9021FTW520-AC3	4 latches tower	
9021FTW520-AC4	Telescopic handle	
9021FTW520-AC5	Aluminium handle topbox	

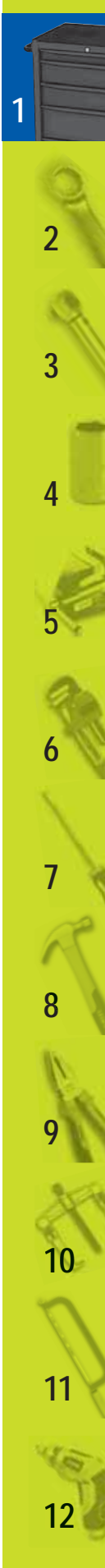
### TOWER 3 IN 1 WITH FOAM AND TOOLS



Q	Icon	Icon	Icon
9021FTW520TS2	1	111 TOOLS IN BULK , NO FOAMS	
9021FTW520FF1	1	520x720x320	22,5
105-70-1 1/4"		105-50-1 1/4"	
101 1/4"		4; 4,5; 5; 5,5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm	
105-42-1 1/4"		105-40-1 1/4"	
105-24-1 1/4" - 100 mm		105-22-1 1/4" - 50 mm	
125-70-1 1/2"		125-40-1 1/2"	
121 1/2"		8; 10; 11; 12; 13; 14; 16; 17; 19; 21; 22 mm	
125-43-1 1/2"		125-25-1 1/2" - 250 mm	
407-5-5-125 1x5,5x125		407-6-5-150 1,2x6,5x150	
409-1-100 PH1 x 100		409-2-125 PH2 x 125	
475-32-1 1/4"		980-3B-1 3 m x 16 mm	
475-1/4-125 1/4"		634-250-1 250 mm	
5-250C-1 250 mm - 10"		522-31-2 25 mm	
665-200-1 85 mm		604-160-1 160 mm	
612-160-1 160 mm		601-180-1 180 mm	
625-180-1 180 mm		46-8-F 1,5-8 mm	
25		8; 9; 10; 11; 12; 13; 14; 17; 19 mm	



- TS2 version also includes 2 pozidriv screwdrivers, L01 LED torch, cold chisel 250, pin and center punches, larger assortment of combination wrenches (from 6 to 22 mm) and a ball pein hammer instead of joiner hammer



## Tool trolleys

### 2 TRAYS ROLL CART



- 2 tray set roll cart
- Manufactured and designed for easy and quick assembly
- Wheels of 125 x 30 mm with ball bearings and non-marking TPR outsurface:  
2 fixed and 2 swivel with brake
- Trays internal dimensions:  
(2x) 750 x 425 x 77 mm

9064K-02	1	759x432x1.025	150	759x432x77	50	25x100	19	

### 1 MIDDLE TRAY FOR 9064K-02 ROLL CART



- 1 middle tray to be assembled in 9064K-02 roll cart
- Manufactured and designed for quick and easy assembly
- Tray internal dimensions:  
750 x 425 x 77 mm

9064K-02T	1	757x425x77	50	3.25

## Transporters

### TRANSPORTER



- Strong Steel frame
- Steel plate provide high robustness
- Wheels: 2 fixed and 2 rear swivel for easy maneuverings
- Push/pull handle that folds for easy storage and carriage
- Non-slip platform surface
- Overall size 150 kgs:
  - Unfolded: 730 x 470 x 820 mm
  - Folded: 730 x 470 x 225 mm
- Overall size 300 kgs:
  - Unfolded: 920 x 620 x 870 mm
  - Folded: 920 x 620 x 300 mm

9063HT150	1	730x470	150	25x100	7.5
9063HT300	1	920x620	300	25x125	15.0

### FOLDABLE TRANSPORTER



- Robust
- Elastic bands included to fix the load (safety feature)
- Steel frame
- 250 x 450 mm aluminum footplate
- 170 mm PP wheels
- Overall size:  
480 x 420 x 740-1000 mm

9063FT90	1	250x450	90	170	4.3

# Workbench

## FOLDABLE WORKBENCH



- Multifunction Steel Workbench
- Quick clamping: flexible clamping options
- Bench top can be adjusted to different heights to meet various needs
- Strong steel frame and solid structure:
- Max. Load Capacity = 100 kg
- Large wooden work surface
- Foldable: easy to carry & storage
- Overall size:
  - Unfolded: 605 x 670 x 800 mm
  - Folded: 605 x 900 x 200 mm

9062WB100	1	605x900x200	100	13.1

# Metallic tool boxes

## TWO HANDLE MODEL



902021 / 902031



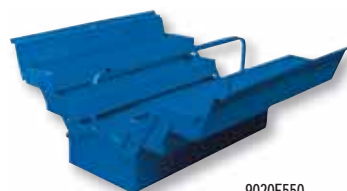
902131



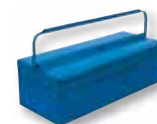
- Cantilever style tool box with fixed handles for easy opening
- Tube type handle is user friendly, specially if the box is very loaded
- Fixed dividers in the top trays make the small pieces storage comfortable and easy
- Hinge system allows easy opening of the lids and avoids dust entering the tool box
- The box can be locked by padlock
- All corners are bent or ground to avoid sharp edges
- Made of high degree metal sheet, ensures product performance and longevity

902021	1	400x210x190	3	8
902031	1	500x210x190	3	10
902131	1	500x210x245	5	12

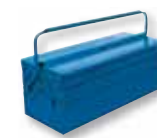
## FIXED HANDLE MODEL



9020F550



9020F350



- Cantilever style tool box with foldable handle suitable for stacking
- Tube type handle is user friendly, specially if the box is very loaded
- Fixed dividers in the top trays make for easy storage
- Riveted lids make the opening easy and avoids dust to come in
- The box can be locked by padlock
- All corners are ground or bent to avoid sharp edges
- Made of high degree metal sheet, ensures product performance and longevity

9020F350	1	530x200x160	3	8
9020F550	1	530x200x200	5	10



Metallic tool boxes

CANTILEVER METALLIC TOOL BOX FOAMS- KIT, 67 pieces



CANTILEVER METALLIC TOOL BOX- LOOSE KIT, 67 pieces



Code	Quantity	Dimensions (mm)	Weight (kg)
9020F550FF10	1	200x530x200	14

121 1/2"		10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 30; 32 mm
125-23-1 1/2" - 125 mm		125-25-1 1/2" - 250 mm
125-52-1 1/2" - 375 mm		125-40-1 1/2"
25		8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
641-235-1 250 mm		634-250-1 250 mm
624-160-1 160 mm		601-200-1 200 mm
612-200-1 200 mm STR		125-70-1 1/2"
408-5-5-25 5,5x25		409-2-25 PH-2x25
407-4-100 0,8x4x100		407-5-5-125 1x5,5x125
408-5-5-125 1x5,5x125		408-6-5-125 1,2x6,5x150
409-1-100 PH1 x 100		409-2-125 PH2 x 125
48-9-H 1,5-10 mm		Z150003 200 mm
522-43-2 460 gr		529611 35 mm
505-150-1 150 mm		501-150-1 150 mm
517-130-1 130 mm		517-140-1 140 mm
511-110-1 5 mm		980-5-1 5 m x 19 mm
9020F550		

Code	Quantity	Dimensions (mm)	Weight (kg)
9020F550TS10	1	200x530x200	14

121 1/2"		10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 30; 32 mm
125-23-1 1/2" - 125 mm		125-25-1 1/2" - 250 mm
125-52-1 1/2" - 375 mm		125-40-1 1/2"
25		8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
641-235-1 250 mm		634-250-1 250 mm
624-160-1 160 mm		601-200-1 200 mm
612-200-1 200 mm STR		125-70-1 1/2"
408-5-5-25 5,5x25		409-2-25 PH-2x25
407-4-100 0,8x4x100		407-5-5-125 1x5,5x125
408-5-5-125 1x5,5x125		408-6-5-125 1,2x6,5x150
409-1-100 PH1 x 100		409-2-125 PH2 x 125
48-9-H 1,5-10 mm		Z150003 200 mm
522-43-2 460 gr		529611 35 mm
505-150-1 150 mm		501-150-1 150 mm
517-130-1 130 mm		517-140-1 140 mm
511-110-1 5 mm		980-5-1 5 m x 19 mm
9020F550		



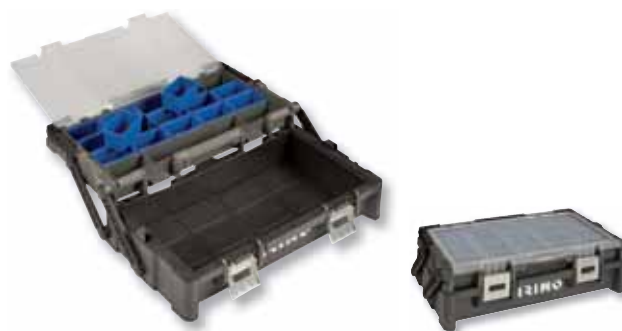
ALUMINIUM TOOL CASE WITH TOOLS, 98 pieces



Q	Icon	mm	kg
9024-1TS1	1	460x115x365	8,8

101 1/4"	○		4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
121 1/2"	○		8; 10; 11; 12; 13; 14; 16; 17; 19; 21; 22 mm
125 1/2"			125; 250 mm
105 1/4"			50, 100 mm
407-5.5-125	Ⓛ		1 x 5,5 x 125 mm
407-6.5-150	Ⓛ		1,2 x 6,5 x 150 mm
409-1-100	⊕		PH1 x 100
409-2-125	⊕		PH2 x 125
475-32-1			32 pcs bit set 1/4"
634101			250 mm
5-250C-1			10"
980-3B-1			3 m x 16 mm
522051			Joiner hammer with wooden handle, 270 g
604-160-1			160 mm
612-160-1			160 mm
601-180-1			180 mm
625-180-1			180 mm
25			8; 9; 10; 11; 12; 13; 14; 17; 19 mm
46-8-F	●		1.5-8 mm
105-70-1 1/4"			125-43-1 1/2"
105-42-1 1/4"			125-40-1 1/2"
105-40-1 1/4"			475-1/4-125 1/4"
105-50-1 1/4"			665-200-1 85 mm
125-70-1 1/2"			

PLASTIC TOOL BOX



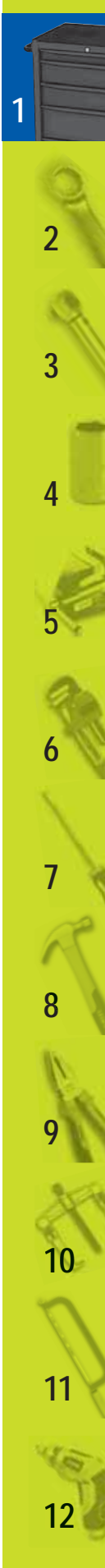
Q	Icon	mm	kg
9023PT565	1	170x565x320	2,4

PLASTIC BOX - LOOSE KIT, 48 pieces



Q	Icon	mm	kg
9023PT565TS1	1	170x565x302	10

408V-3-100 3 mm	Ⓛ		408V-4-100 4 mm	Ⓛ	
408V-5.5-125 5,5 mm	Ⓛ		408V-6.5-150 6,5 mm	Ⓛ	
409V-1-150 PH-1x150	⊕		409V-2-175 PH-2x175	⊕	
429031 3 x 65 mm			661051		
5-200C-1 8"			601V-180-1 180 mm		
612V-160-1 160 mm			624V-160-1 160 mm		
629V-160-1 160 mm			634V-250-1 250 mm		
666-156-1 157 mm			801-145-1 229 mm		
475-32-1			980-3-1 3 m x 16 mm		
9023PT565					



Fabric bags

TOOL BAG WITH TUBULAR HANDLE



- 17" Open style bag for easy quick view and accessibility to the tools
- Soft bottom reinforced with plastic feet
- Hard waterproof bottom
- 11 Different vertical side pouches for better tool organization
- Aluminum handle for strengthening the structure with foam grip
- Detachable shoulder strap with cushion on the adjustable shoulder part for easier transportation
- 600x300 Denier fabric ensures product performance and longevity
- Delivered folded

9022-1-16SB	1	440x210x310	21	15	1,5

TOOL BAG WITH TUBULAR HANDLE



- 19" Open style bag for easy quick view and accessibility to the tools
- Soft bottom reinforced with plastic feet
- Hard waterproof bottom
- 12 Different vertical side pouches inside and outside for better tool organization and measuring tape holder
- Internal detachable panel with 10 pouches and elastics for tool holding
- Specific Velcro straps for spirit levels or any other long tool
- Aluminum handle for strengthening the structure with foam grip
- Detachable shoulder strap with cushion on the adjustable shoulder part for easier transportation
- 600x300 Denier fabric ensures product performance and longevity
- Delivered folded

9022-1-19HB	1	490x240x350	32	20	2,5

TOOL BAG WITH ZIP



- 16" Bag with zip closing system for quick view and accessibility to the tools
- Hard waterproof bottom
- 10 External divers size pouches and 14 internal vertical pouches for better tool organization
- Some external pouches are covered for better protecting and a measuring tape holder is also included
- Detachable shoulder strap with cushion on the adjustable shoulder part
- 600x300 Denier fabric ensures product performance and longevity

9022-2-16HB	1	420x240x300	24	18	1,2

TOOL BAG WITH ZIP



- 19" Bag with zip closing system for quick view and accessibility to the tools
- Hard waterproof bottom
- 17 External divers size pouches and 14 internal vertical pouches for better tool organization
- Some external pouches are covered for better protecting and a measuring tape holder is also included
- Detachable shoulder strap with cushion on the adjustable shoulder part
- 600x300 Denier fabric ensures product performance and longevity

9022-2-19HB	1	490x240x370	35	20	1,5

FABRIC BAG WITH ELECTRICIAN KIT, 46 pieces

FABRIC BAG WITH MRO KIT, 53 pieces

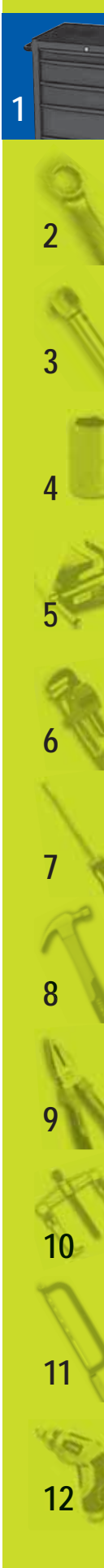


R	📦	📏 mm	📊 kg
9022-2-19TS2	1	240x490x370	3,98

9022-2-19HB		475-32-1	
604-160-1 160 mm		608-160-1 160 mm	
601-180-1 180 mm		625-180-1 180 mm	
5-200C-1 8"		661051	
655701		634101 250 mm	
408V-3-100 3 mm	⓪	408V-4-100 4 mm	⓪
408V-5.5-125 5,5 mm	⓪	408V-6.5-150 6,5 mm	⓪
409V-1-150 PH-1x150	⊕	409V-2-175 PH-2x175	⊕
665-200-1 85 mm			

R	📦	📏 mm	📊 kg
9022-2-19TS1	1	370x240x490	5,03

9022-2-19HB		109-35-4	
48-9-H 1.5-10 mm		5-250C-1 10"	
612-200-1 200 mm STR		625-180-1 3 m x 19 BIMAT	
801101		980-3B-1 3 m x 16 mm	
407-5.5-125 1x5,5x125	⓪	407-6.5-150 1,2x6,5x150	⓪
409-1-100 PH1 x 100	⊕	409-2-125 PH2 x 125	⊕



## Fabric bags

### LAPTOP AND TOOL BACK-PACK



\* The bag comes without tools

- Big storage capacity: 20 litres and 16 kilos, thanks to several pouches and detachable tool organizer
- Specific laptop compartment
- Detachable part: 10 pockets provides a better tool distribution
- Smartphone pocket within frontal compartment

9022-BP1	1	300x450x175	20	16	1.93

### BACK-PACK WITH WHEELS



\* The bag comes without tools

- Telescopic handle and 2 fixes wheels for easy transportation
- Big storage capacity: 26 litres and 20 kilos, thanks to several internal/external pouches and detachable tool organizer
- Detachable organizer with 2 handles: 51 pockets of different sizes providing a better tool distribution
- Measuring tape holder

9022-BPW	1	360x440x220	26	20	4

## Pouches, belts and folders

### FOLDER – EMPTY



- Multiple elastics in bottom and lid for better tool distribution
- Double zip
- Rubber soft handle
- Net on the lid for documentation

9022-4-26	1	258x55x258	810

### FOLDER – WITH 18 TOOLS



9022-4-26TS1	1	1.5

475R-1/4-110		12 different bits: Slotted 4, 5, 6; PH 1, 2, 3; TORX* 15, 20, 25; HEX 3, 4, 5
5-200C-1 200 mm - 8"		624-140-1 140 mm
601-160-1 160 mm		982-TOR-1 230 mm
9022-4-26		980-3-1 3 m x 16 mm



FOLDER – EMPTY



- Multiple elastics in bottom and lid for better tool distribution
- Double zip
- Rubber soft handle
- Net on the lid for documentation

9022-4-35	1	353x50x310	810

FOLDER – WITH 28 TOOLS



9022-4-35TS1	1	3
475R-1/4-110		12 different bits: Slotted 4, 5, 6; PH 1,2, 3; TORX® 15, 20, 25; HEX 3, 4, 5
46-9-H		1.5-2-2.5-3-4-5-6-8-10 mm
5-200C-1 200 mm - 8"		624-160-1 160 mm
601-160-1 160 mm		520-43-2 16 oz - 330 mm
668-150-1 150 mm		980-5-1 5 m x 19 mm
9022-4-35		

HAMMER HOLDER



9022-3-20	1	120

STRIKING SET

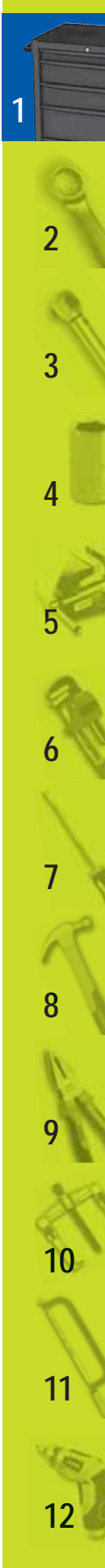


9022-3-20TS1	1	790
9022-3-20		520-43-2 16 oz - 330 mm

STRIKING SET



9022-3-20TS2	1	790
9022-3-20		520-41-2 16 oz - 330 mm



# Pouches, belts and folders

## PLIER POUCH



9022-3-30	1	40

## TOOL POUCH



9022-3-40	1	60

## ELECTRICIAN 4 PIECES SET IN POUCH



9022-3-30TS1	1	580

407-4-100 0,8x4x100		409-1-100 PH1 x 100	
601-180-1 180 mm		668-150-1 150 mm	
9022-3-30			

## MRO 7 PIECES SET IN POUCH



9022-3-40TS1	1	1000

407-6.5-150 1,2x6,5x150		409-2-125 PH2 x 125	
624-140-1 140 mm		601-160-1 160 mm	
665-200-1 85 mm		5-150C-1 150 mm - 6"	
9022-3-40		980-3-1 3 m x 16 mm	

## ELECTRICIAN 4 PIECES SET IN POUCH



9022-3-30TS2	1	550

407-4-100 0,8x4x100		409-1-100 PH1 x 100	
624-160-1 160 mm		668-150-1 150 mm	
9022-3-30			

## INSULATED 7 PIECES SET IN POUCH



9022-3-40TS2	1	1000

408V-4-100 4 mm		409V-1-150 PH-1x150	
624V-160-1 160 mm		612V-160-1 160 mm	
665-200-1 85 mm		5-150C-1 150 mm - 6"	
9022-3-40		980-3-1 3 m x 16 mm	

10 POCKETS TOOL POUCH



9022-3-50	1	480

ADJUSTABLE BELT



9022-3-10	1	200

MRO 9 PIECES SET IN POUCH



9022-3-50TS1	1	2400

407-5-5-125  
1,2x5,5x125

407-6-5-150  
1,2x6,5x150

409-1-100  
PH1 x 100

409-2-125  
PH2 x 125

624-160-1  
160 mm

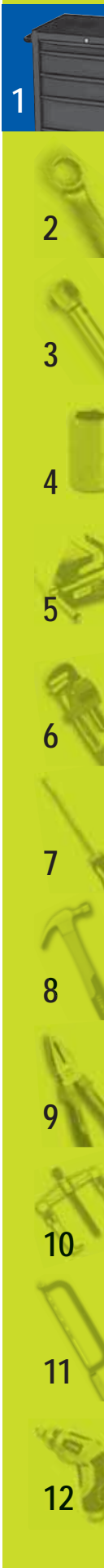
634-250-1  
250 mm

520-43-2  
16 oz - 330 mm

982-TOR-1  
230 mm

9022-3-40

980-5-1  
5 m x 19 mm







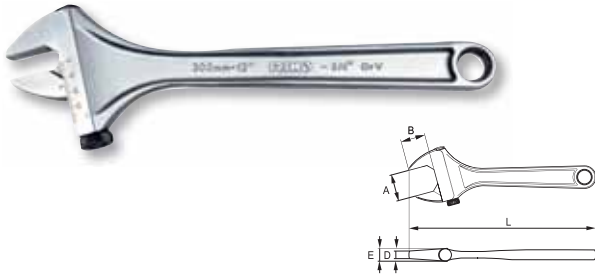


**IRIMO**

2. WRENCHES

# Adjustable wrenches

## HEAVY DUTY ADJUSTABLE WRENCH



- Material: CrV
- Finish: Chrome-plated matt finished
- Hardness: 40-45 HRC
- Jaws angled at 15° to give good access even in confined spaces
- Standards: UNE16532, ISO6787, DIN3117

R	Box	A mm	B mm	D mm	E mm	L mm	g	
001021	5	150 mm - 6" - 3/8"	21	18,5	6,5	12	155	140
001031	5	200 mm - 8" - 1/2"	29	26	8	14	205	290
001041	5	250 mm - 10" - 5/8"	34	32	9	17	255	510
001051	3	300 mm - 12" - 3/4"	39	36	10	20	305	795
001061	1	400 mm - 16" - 1"	49	44	14	26	405	1.620
001071	1	500 mm - 20" - 1.1/4"	62	53	17	30	500	2.860
001081	1	750 mm - 30" - 1.5/8"	78	70	23	37	750	5.550

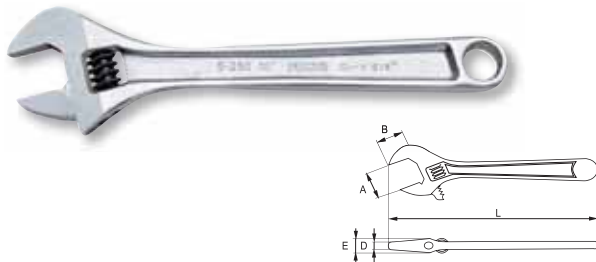
## CENTRAL NUT



- Material: CrV
- Black finish
- Hardness: 40-45 HRC
- Jaws angled at 15° to give access even in confined spaces
- Standards: UNE16532, ISO6787, DIN3117
- -1 Retail packaging
- -2 Industrial packaging

R	Box	A mm	B mm	D mm	E mm	L mm	g	
5-100-1	5	100 mm - 4"	13	13,5	3,5	9	115	60
5-150-1	5	150 mm - 6"	20	21	5,5	12	160	130
5-200-1	5	200 mm - 8"	24	26	7,5	13,5	205	250
5-250-1	5	250 mm - 10"	29	29,5	9	16	260	405
5-300-1	5	300 mm - 12"	36	36	11	19	310	650
5-100-2	60	100 mm - 4"	13	13,5	3,5	9	115	60
5-150-2	50	150 mm - 6"	20	21	5,5	12	160	130
5-200-2	40	200 mm - 8"	24	26	7,5	13,5	205	250
5-250-2	30	250 mm - 10"	29	29,5	9	16	260	405
5-300-2	20	300 mm - 12"	36	36	11	19	310	650
5-375-2	1	375 mm - 15"	43	45	13	24	385	1.230
5-450-2	1	450 mm - 18"	57	53	15	27,5	465	2.000

## CENTRAL NUT



- Material: CrV
- Finish: Chrome-plated
- Hardness: 40-45 HRC
- Jaws angled at 15° to give good access even in confined spaces
- Standards: UNE16532, ISO6787, DIN3117
- -1 Retail packaging
- -2 Industrial packaging

R	Box	A mm	B mm	D mm	E mm	L mm	g	
5-100C-1	5	100 mm - 4"	13	13,5	3,5	9	115	60
5-150C-1	5	150 mm - 6"	20	21	5,5	12	160	130
5-200C-1	5	200 mm - 8"	24	26	7,5	13,5	205	250
5-250C-1	5	250 mm - 10"	29	29,5	9	16	260	405
5-300C-1	5	300 mm - 12"	36	36	11	19	310	650
5-375C-2	1	375 mm - 15"	43	45	13	24	385	1.230
5-450C-2	1	450 mm - 18"	57	53	15	27,5	465	2.000

## PHOSPHATED ADJUSTABLE WRENCH SET

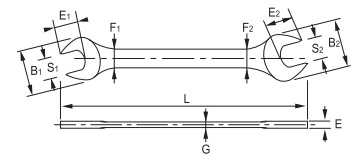


- Material: CrV; Black finish
- Hardness: 40-45 HRC
- Jaws angled at 15° to give access even in confined spaces
- Standards: UNE16532, ISO6787, DIN3117

R	Box	pcs.	mm	g
5-4-W	1	4	50x330x110	1.500
5-150	150 mm - 6"	5-250	250 mm - 10"	
5-200	200 mm - 8"	5-300	300 mm - 12"	

# Open end wrenches

## DOUBLE OPEN END WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

Q		S1x S2 mm	L mm	b1 mm	b2 mm	F1 mm	F2 mm	E1 mm	E2 mm	E mm	G mm	g
10-0405-1	1	4x5	105	13	15	6,5	7,5	7,2	7	3,2	2,5	15
10-0607-1	1	6x7	122	17,4	19,4	7,5	8,5	8,1	9	4,1	2,8	21
10-0809-1	1	8x9	137	20,4	22,4	8,5	9,5	10,5	11,2	4,6	3,3	30
10-1011-1	1	10x11	151,4	24,2	27,2	10,5	11,5	11,6	13,3	5,4	3,8	46
10-1013-1	1	10x13	151,4	24,2	37,2	10,5	11,5	11,6	13,3	5,4	3,8	46
10-1213-1	1	12x13	166,5	29,4	31,4	12,5	13,5	13,6	15,3	6,1	4	66
10-1415-1	1	14x15	182	32,4	35,4	13,5	14,5	16	17,5	6,5	4,4	95
10-1617-1	1	16x17	196,5	36,4	38,4	15,5	16,5	18,5	19,6	6,9	4,8	124
10-1719-1	1	17x19	221	40,4	42,4	16,5	18,5	20,8	22,4	7,4	5,1	160
10-1819-1	1	18x19	211,9	40,4	42,4	16,5	18,5	20,8	21,2	7,4	5,1	157
10-2022-1	1	20x22	226,9	43,4	47,4	18,5	19,5	23,3	24,5	8,6	5,6	188
10-2123-1	1	21x23	241,9	46,4	50,4	18,5	20,5	23,6	26	9,2	5,8	211
10-2224-1	1	22x24	241,9	46,4	50,4	18,5	20,5	23,6	26	9,2	5,8	208
10-2426-1	1	24x26	261,9	50,4	54,4	21,5	23,5	27,9	29,8	10	6,2	293
10-2427-1	1	24x27	261,9	50,4	54,4	21,5	23,5	27,9	29,8	10	6,2	284
10-2528-1	1	25x28	281,9	54,4	59,4	23,5	24,5	28,6	30,7	10,6	6,6	366
10-2729-1	1	27x29	282,4	54,6	59,6	23,5	24,5	28,6	30,7	10,6	6,6	362
10-3032-1	1	30x32	302,9	61,4	68,4	24,5	26,5	33,4	35,5	11	7	481



## Open end wrenches

### DOUBLE OPEN END WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

10-8-H	1	8	250x120x50	870
10-0607	6x7 mm	10-1415	14x15 mm	
10-0809	8x9 mm	10-1617	16x17 mm	
10-1011	10x11 mm	10-1819	18x19 mm	
10-1213	12x13 mm	10-2022	20x22 mm	

### DOUBLE OPEN END WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

10-12-H	1	12	350x150x70	2.975
10-0607	6x7 mm	10-1819	18x19 mm	
10-0809	8x9 mm	10-2022	20x22 mm	
10-1011	10x11 mm	10-2123	21x23 mm	
10-1213	12x13 mm	10-2426	24x26 mm	
10-1415	14x15 mm	10-2528	25x28 mm	
10-1617	16x17 mm	10-3032	30x32 mm	

### DOUBLE OPEN END WRENCH SET

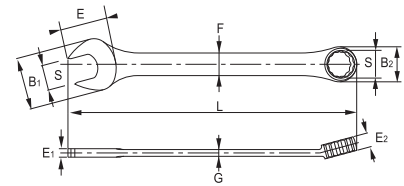


- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

10-12-W	1	12	400x140x100	2.975
10-0607	6x7 mm	10-1819	18x19 mm	
10-0809	8x9 mm	10-2022	20x22 mm	
10-1011	10x11 mm	10-2123	21x23 mm	
10-1213	12x13 mm	10-2426	24x26 mm	
10-1415	14x15 mm	10-2528	25x28 mm	
10-1617	16x17 mm	10-3032	30x32 mm	

# Combination wrenches

## COMBINATION WRENCHES IN MM



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738
- -1 Retail packaging
- -2 Industrial packaging

Q	Icon	S	L	b1	b2	F	E	e1	e2	G	g
		mm	mm	mm	mm	mm	mm	mm	mm	mm	g
25-06-1	1	6	103	15,7	10,6	6,2	7,9	3,7	5,2	3	15
25-07-1	1	7	109	18	12,1	6,8	8,2	3,7	5,5	3	17
25-08-1	1	8	119	18,8	13,6	6,8	9,9	4,0	6	3,3	21
25-09-1	1	9	124	21	15,1	7,9	10,4	4,0	6,8	3,4	26
25-10-1	1	10	134	22,8	16,2	8,6	10,7	4,8	7	3,6	38
25-11-1	1	11	143	25,8	17,1	9,1	12,6	4,8	7,5	3,6	39
25-12-1	1	12	154	27,8	18,9	10	13,2	5,2	8	4,2	51
25-13-1	1	13	164	29,8	20,2	11,5	14,6	5,2	8,3	4,2	63
25-14-1	1	14	174	29,8	21,2	11,4	15,8	5,8	8,9	4,6	68
25-15-1	1	15	183	34,1	22,3	12,2	16,9	5,8	8,9	4,6	85
25-16-1	1	16	194	35,1	23,8	13,2	17,6	6,3	9,5	5	107
25-17-1	1	17	203	37,2	25,3	14,4	18,6	6,3	10	5	118
25-18-1	1	18	214	39,2	26,8	14,4	20,5	6,7	10,5	5,2	137
25-19-1	1	19	228	41,4	28,3	15,8	21,1	7,0	11,2	5,2	163
25-20-1	1	20	240	42,4	29,7	17,3	22,8	7,5	11,4	5,5	186
25-21-1	1	21	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25-22-1	1	22	249,5	45,4	32,4	17,3	22,8	8,6	12,2	6	202
25-23-1	1	23	270	49,7	36,1	20,3	25	9,2	13,6	6,4	281
25-24-1	1	24	270	49,7	36,1	20,3	25	9,2	13,6	6,4	276
25-25-1	1	25	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	346
25-26-1	1	26	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	345
25-27-1	1	27	310	58,4	41,6	23,3	29,5	10,0	14,6	7,2	382
25-28-1	1	28	310	58,4	41,6	23,3	29,5	10,0	14,6	7,2	402
25-29-1	1	29	330	60,4	45,6	23,3	32,1	10,6	15,6	7,6	476
25-30-1	1	30	330	60,4	45,6	23,3	32,1	10,6	15,6	7,6	468
25-32-1	1	32	349	67,4	48,8	25,3	35,6	11,2	17,8	8	567
25-34-1	1	34	350	67,4	48,8	25,3	35,6	11,2	17,8	8	541

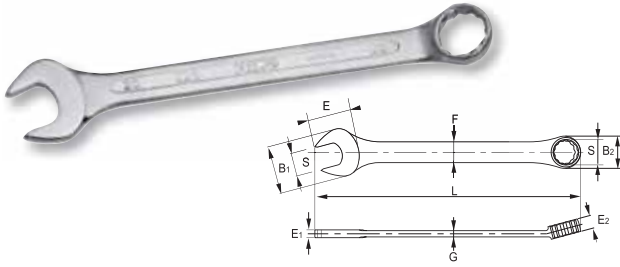
Q	Icon	S	L	b1	b2	F	E	e1	e2	G	g
		mm	mm	mm	mm	mm	mm	mm	mm	mm	g
25-06-2	1	6	103	15,7	10,6	6,2	7,9	3,7	5,2	3	15
25-07-2	1	7	109	18	12,1	6,8	8,2	3,7	5,5	3	17
25-08-2	1	8	119	18,8	13,6	6,8	9,9	4,0	6	3,3	21
25-09-2	1	9	124	21	15,1	7,9	10,4	4,0	6,8	3,4	26
25-10-2	1	10	134	22,8	16,2	8,6	10,7	4,8	7	3,6	38
25-11-2	1	11	143	25,8	17,1	9,1	12,6	4,8	7,5	3,6	39
25-12-2	1	12	154	27,8	18,9	10	13,2	5,2	8	4,2	51
25-13-2	1	13	164	29,8	20,2	11,5	14,6	5,2	8,3	4,2	63
25-14-2	1	14	174	29,8	21,2	11,4	15,8	5,8	8,9	4,6	68
25-15-2	1	15	183	34,1	22,3	12,2	16,9	5,8	8,9	4,6	85
25-16-2	1	16	194	35,1	23,8	13,2	17,6	6,3	9,5	5	107
25-17-2	1	17	203	37,2	25,3	14,4	18,6	6,3	10	5	118
25-18-2	1	18	214	39,2	26,8	14,4	20,5	6,7	10,5	5,2	137
25-19-2	1	19	228	41,4	28,3	15,8	21,1	7,0	11,2	5,2	163
25-20-2	1	20	240	42,4	29,7	17,3	22,8	7,5	11,4	5,5	186
25-21-2	1	21	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25-22-2	1	22	249,5	45,4	32,4	17,3	22,8	8,6	12,2	6	202
25-23-2	1	23	270	49,7	36,1	20,3	25	9,2	13,6	6,4	281
25-24-2	1	24	270	49,7	36,1	20,3	25	9,2	13,6	6,4	276
25-25-2	1	25	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	346
25-26-2	1	26	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	345
25-27-2	1	27	310	58,4	41,6	23,3	29,5	10,0	14,6	7,2	382
25-28-2	1	28	310	58,4	41,6	23,3	29,5	10,0	14,6	7,2	402
25-29-2	1	29	330	60,4	45,6	23,3	32,1	10,6	15,6	7,6	476
25-30-2	1	30	330	60,4	45,6	23,3	32,1	10,6	15,6	7,6	468
25-32-2	1	32	349	67,4	48,8	25,3	35,6	11,2	17,8	8	567
25-34-2	1	34	350	67,4	48,8	25,3	35,6	11,2	17,8	8	541
25-36-2	1	36	401	74	54	31	62	10,4	17	8	787
25-41-2	1	41	436	82	61	34	70	12	19,5	8	1.070
25-46-2	1	46	556	92	66	33,6	79,8	15	23	11	1.750
25-50-2	1	50	602	100	73	36,6	86,7	17	26	12	2.200
25-55-2	1	55	612	113	84	42	94	18	28	14,5	3.070
25-60-2	1	60	660	125	90	47	100	20	30	16	3.500
25-65-2	1	65	710	132	98	52	110	21	34	18	4.750
25-70-2	1	70	760	140	102	52	110	22	35	18	5.550
25-75-2	1	75	810	150	108	55	120	25	38	19	6.800





# Combination wrenches

## COMBINATION WRENCHES IN INCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738
- -1 Retail packaging
- -2 Industrial packaging

R	pcs.	S mm	L mm	b1 mm	b2 mm	F mm	E mm	e1 mm	e2 mm	G mm	g
25A-08-1	1	1/4"	103	15,9	10,6	6,6	7,9	3,7	5,2	3	15
25A-10-1	1	5/16"	119	19	13,6	7,2	9,9	4	6	3,3	21
25A-12-1	1	3/8"	124	21,2	15,1	8,3	10,4	4	6,8	3,4	26
25A-14-1	1	7/16"	143	26	17,1	9,5	12,6	4,8	7,5	3,6	39
25A-16-1	1	1/2"	164	30	20,2	11,9	14,6	5,2	8,3	4,2	63
25A-18-1	1	9/16"	174	30	21,2	11,8	15,8	5,8	8,9	4,6	68
25A-20-1	1	5/8"	194	35,3	23,8	13,6	17,6	6,3	9,5	5	107
25A-22-1	1	11/16"	214	39,4	26,8	14,8	20,5	6,7	10,5	5,2	137
25A-24-1	1	3/4"	228	41,6	28,3	16,2	21,1	7	11,2	5,2	163
25A-26-1	1	13/16"	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25A-28-1	1	7/8"	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25A-30-1	1	15/16"	270	49,7	36,1	20,3	25	9,2	13,6	6,4	281
25A-32-1	1	1"	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	346
25A-34-1	1	1.1/16"	310	58,4	41,6	23,3	29,5	10	14,6	7,2	382
25A-36-1	1	1.1/8"	330	60,4	45,6	23,3	32,1	10,6	15,6	7,6	476
25A-40-1	1	1.1/4"	349	67,4	48,8	25,3	35,6	11,2	17,8	8	567
25A-44-1	1	1.3/8"	350	67,4	48,8	25,3	35,6	11,2	17,8	8	541
25A-46-1	1	1.7/16"	401	74	54	31	62	10,4	17	8	787
25A-48-1	1	1.1/2"	401	74	54	31	62	10,4	17	8	787
25A-52-1	1	1.5/8"	435	80	61	34	70	11,5	19,5	8	1.050
25A-58-1	1	1.13/16"	555	91	66	34	79,8	15	23	11	1.850
25A-64-1	1	2"	602	100	73	36,6	86,7	17	26	12	2.215
25A-08-2	1	1/4"	103	15,9	10,6	6,6	7,9	3,7	5,2	3	15
25A-10-2	1	5/16"	119	19	13,6	7,2	9,9	4	6	3,3	21
25A-12-2	1	3/8"	124	21,2	15,1	8,3	10,4	4	6,8	3,4	26
25A-14-2	1	7/16"	143	26	17,1	9,5	12,6	4,8	7,5	3,6	39
25A-16-2	1	1/2"	164	30	20,2	11,9	14,6	5,2	8,3	4,2	63
25A-18-2	1	9/16"	174	30	21,2	11,8	15,8	5,8	8,9	4,6	68
25A-20-2	1	5/8"	194	35,3	23,8	13,6	17,6	6,3	9,5	5	107
25A-22-2	1	11/16"	214	39,4	26,8	14,8	20,5	6,7	10,5	5,2	137
25A-24-2	1	3/4"	228	41,6	28,3	16,2	21,1	7	11,2	5,2	163
25A-26-2	1	13/16"	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25A-28-2	1	7/8"	249,5	45,4	32,4	17,3	22,8	8,6	12,6	6	210
25A-30-2	1	15/16"	270	49,7	36,1	20,3	25	9,2	13,6	6,4	281
25A-32-2	1	1"	289,5	53,4	39,6	22,5	27,6	9,6	14,2	6,8	346

## COMBINATION WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

R	pcs.	250x120x50	g	
25-8-H	1	8	875	
25-08		8 mm	25-14	14 mm
25-10		10 mm	25-17	17 mm
25-11		11 mm	25-19	19 mm
25-13		13 mm	25-22	22 mm

## COMBINATION WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

R	pcs.	350x 50x70	g	
25-12-H	1	12	2.975	
25-10		10 mm	25-19	19 mm
25-11		11 mm	25-22	22 mm
25-12		12 mm	25-24	24 mm
25-13		13 mm	25-27	27 mm
25-14		14 mm	25-30	30 mm
25-17		17 mm	25-32	32 mm

COMBINATION WRENCH SET



- High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

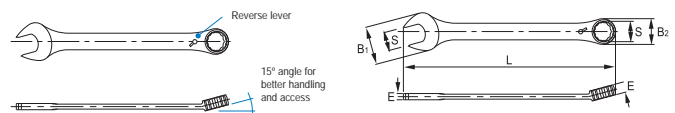
Q	pcs.	400x140x100	g
25-12-W	1	12	2.975
25-10	10 mm	25-19	19 mm
25-11	11 mm	25-22	22 mm
25-12	12 mm	25-24	24 mm
25-13	13 mm	25-27	27 mm
25-14	14 mm	25-30	30 mm
25-17	17 mm	25-32	32 mm

Ratcheting combination wrenches

RATCHETING COMBINATION WRENCH



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC



Strong ratchet exceeds ISO plus endurance

Q	pcs.	B1 mm	S mm	B2 mm	E mm	L mm	g
18-06-1	1	15	6	14,3	4	128	27
18-07-1	1	16,4	7	16,8	4,4	138	35
18-08-1	1	18	8	18,3	4,8	140	38
18-09-1	1	20	9	20	4,8	150	48
18-10-1	1	22	10	21,5	5,1	160	57
18-11-1	1	24,5	11	23,5	5,5	165	67
18-12-1	1	26	12	25	5,9	170	82
18-13-1	1	28	13	26,4	6,4	180	95
18-14-1	1	30,8	14	28	6,7	190	113
18-15-1	1	33	15	30	7,3	200	130
18-16-1	1	34,5	16	31	7,8	210	158
18-17-1	1	37	17	33	8	225	180
18-18-1	1	39,5	18	35	8,2	235	213
18-19-1	1	40,8	19	36	8,4	245	233
18-21-1	1	44,8	21	42	9	290	343
18-22-1	1	44,8	22	42	9	290	345
18-24-1	1	52,8	24	48	9,7	332	503
18-27-1	1	56	27	53	10,8	359	550
18-30-1	1	62	30	58	11,2	404	750
18-32-1	1	65	32	62	12	424	900

RATCHETING COMBINATION WRENCH SET

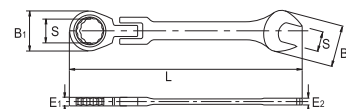


- Ratcheting combination wrench set
- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

Q	pcs.	45x245x130	g
18-8-H	1	8	870
18-08-1	8 mm	18-13-1	13 mm
18-10-1	10 mm	18-14-1	14 mm
18-11-1	11 mm	18-17-1	17 mm
18-12-1	12 mm	18-19-1	19 mm

# Ratcheting combination wrench

## FLEX HEAD RATCHETING COMBINATION WRENCH



- Material: High performance alloy steel
- Finish: Chrome-plated

R		B1 mm	S mm	B2 mm	E1 mm	E2 mm	L mm	g
19-08-1	1	18,3	8	18	7,2	4,8	140	35
19-10-1	1	21,5	10	22	7,8	5,1	160	55
19-11-1	1	23,5	11	24,5	8,4	5,5	165	63
19-12-1	1	25	12	26	8,8	5,9	170	83
19-13-1	1	26,4	13	28	9,1	6,4	180	93
19-14-1	1	28	14	30,8	9,4	6,7	190	113
19-17-1	1	33	17	37	10,5	8	225	173
19-19-1	1	36,5	19	40,8	11,2	8,4	245	233

## FLEX HEAD RATCHETING SET



- Flex head ratcheting combination wrench set
- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

R		pcs.		g
19-8-H	1	8	45x240x140	850
19-08-1		8 mm	19-13-1	13 mm
19-10-1		10 mm	19-14-1	14 mm
19-11-1		11 mm	19-17-1	17 mm
19-12-1		12 mm	19-19-1	19 mm



## Flat ring wrenches

### DOUBLE RING END WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRc
- Standards: DIN 837, ISO 10103, ISO 1085

R	Icon	S1xS2 mm	B1 mm	B2 mm	E mm	L mm	g
020011	1	6x7	9,8	11	4,5	95	14
020031	1	8x9	12,5	14	5,5	110	22
020051	1	10x11	15	16,5	6	125	32
020071	1	12x13	18,5	20	6,5	140	46
020091	1	14x15	21	22,5	7	155	57
020121	1	16x17	24	25	7,5	170	73
020141	1	18x19	26,5	27,5	8	185	94
020171	1	20x22	29	32	9	205	125
020181	1	21x23	30	33	9,5	225	154
020201	1	24x26	35	37,8	11	250	210
020211	1	24x27	35	37,5	11	250	208
020221	1	25x28	37,5	41	11	275	280
020241	1	27x29	37,5	41	11	275	272
020251	1	30x32	43	45,5	12	300	367

### DOUBLE RING END WRENCHES SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRc
- Standards: DIN 837, ISO 10103, ISO 1085

R	Icon	pcs.	Icon	g
021121	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	470
021141	1	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27 mm	850
021161	1	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm	1.475

### DOUBLE RING END WRENCHES SET



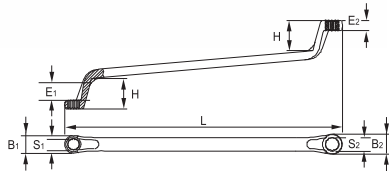
- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRc
- Standards: DIN 837, ISO 10103, ISO 1085

R	Icon	pcs.	Icon	g
021221	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	500
021251	1	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm	1.550



# Offset ring wrenches

## DOUBLE OFFSET RING WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO10104 and DIN838
- -1 Retail packaging
- -2 Industrial packaging

R	Box	S1xS2 mm	B1 mm	B2 mm	E1 mm	E2 mm	H mm	L mm	g
15-0607-1	1	6x7	10,8	12,5	4,9	5,6	20	170	45
15-0809-1	1	8x9	13,4	15,3	6,0	6,8	21	182	70
15-1011-1	1	10x11	16,0	17,8	7,4	7,9	23	197	90
15-1213-1	1	12x13	18,8	20,2	8,4	8,9	25	213	126
15-1415-1	1	14x15	20,8	22,5	9,4	9,9	26	228	155
15-1617-1	1	16x17	24,2	25,7	10,4	10,9	29	246	193
15-1719-1	1	17x19	27,6	28,7	11,4	11,9	31	265	243
15-1819-1	1	18x19	27,6	28,7	11,4	11,9	31	265	241
15-2022-1	1	20x22	29,7	32,5	12,4	12,9	33	288	315
15-2123-1	1	21x23	31,0	33,2	12,3	13,3	33	310	341
15-2426-1	1	24x26	34,8	39,2	13,7	14,3	34	330	478
15-2427-1	1	24x27	34,8	39,2	13,7	14,3	34	330	475
15-2528-1	1	25x28	36,6	40,5	14,2	14,7	35	348	548
15-2729-1	1	27x29	42,0	45,2	15,0	16,0	37	372	662
15-3032-1	1	30x32	42,2	45,5	14,8	15,8	37	372	635
15-3236-2	1	32x36	48,5	54,0	16,5	17,8	41	417	962
15-3641-2	1	36x41	53,5	62,0	17,3	19,2	48	450	1.037

## DOUBLE OFFSET RING WRENCHES SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO10104 and DIN838

R	Box	pcs.	Wrench sizes	g
15-8-H	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	1.245

## DOUBLE OFFSET RING WRENCHES SET

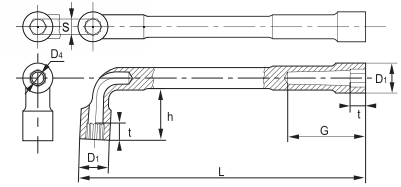


- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO10104 and DIN838

R	Box	pcs.	Wrench sizes	g
15-8-W	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	1.350
15-12-W	1	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm	3.465

# L-pipe double socket wrenches

## L-PIPE DOUBLE SOCKET WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- The wrenches are hex-bihex
- Hardness: 40-50 HRC
- Standards: ISO1711, ISO691, ISO2236

6x12	6x6	S		D1 mm	D4 mm	G mm	L mm	h mm	t mm	g
51-06-1	52-06-1	6	1	10	4.5	21.0	102	17	6.0	30
51-07-1	52-07-1	7	1	11	4.5	22.0	106	17.5	7.0	40
51-08-1	52-08-1	8	1	12.5	7.0	25.0	114	19.5	8.0	60
51-09-1	52-09-1	9	1	13.5	7.0	26.0	122	20.0	9.0	70
51-10-1	52-10-1	10	1	15.0	8.0	28.0	129	24.0	10.0	90
51-11-1	52-11-1	11	1	16.5	8.0	30.0	136	26.5	11.0	120
51-12-1	52-12-1	12	1	18.0	9.0	36.0	144	28.0	11.0	150
51-13-1	52-13-1	13	1	19.5	9.0	38.6	152	30.0	12.0	160
51-14-1	52-14-1	14	1	21.0	10.5	40.0	160	31.5	13.0	190
51-15-1	52-15-1	15	1	22.5	10.5	42.0	169	34.0	14.0	200
51-16-1	52-16-1	16	1	24.0	13.0	46.0	178	37.0	16.0	280
51-17-1	52-17-1	17	1	25.5	13.0	48.0	187	39.0	17.0	300
51-18-1	52-18-1	18	1	26.5	13.0	50.0	195	40.0	18.0	310
51-19-1	52-19-1	19	1	28.5	15.0	51.0	204	41.0	19.0	420
51-20-1	52-20-1	20	1	29.5	15.0	53.0	212	43.0	20.0	450
51-21-1	52-21-1	21	1	30.5	15.0	55.0	221	46.0	21.0	470
51-22-1	52-22-1	22	1	32.0	15.0	57.0	230	48.0	22.0	530
51-23-1	52-23-1	23	1	33.5	18.0	64.0	240	50.5	23.0	650
51-24-1	52-24-1	24	1	34.5	18.0	67.0	250	54.0	24.0	630
51-25-1	52-25-1	25	1	36.0	20.0	69.0	260	56.0	25.0	830
51-26-1	52-26-1	26	1	37.0	20.0	70.0	270	58.5	26.0	860
51-27-1	52-27-1	27	1	38.0	22.0	73.0	280	58.0	27.0	990
51-28-1	52-28-1	28	1	39.5	22.0	75.0	290	60.0	28.0	1.000
51-29-1	52-29-1	29	1	41.0	22.0	76.0	300	62.0	29.0	1.080
51-30-1	52-30-1	30	1	42.0	24.0	83.0	310	64.0	30.0	1.220
51-32-1	52-32-1	32	1	44.5	24.0	88.0	330	70.0	31.0	1.380

## L-PIPE DOUBLE SOCKET WRENCHES SET

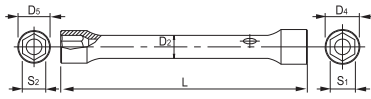


- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC
- Standards: ISO1711, ISO691, ISO2236

6x12		pcs.		g
51-8-W	1	8	8, 10, 11, 13, 14, 17, 19, 22 mm	1.980
6x6		pcs.		g
52-8-W	1	8	8, 10, 11, 13, 14, 17, 19, 22 mm	1.980

# Tubular solid wrenches

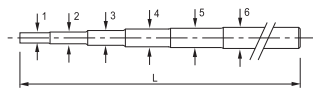
## DOUBLE HEAD SOCKET WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- From 16 onwards, with hole to locate the stud
- Hardness: 42-48 HRC
- Standards: UNE 16586

Q	Icon	S1xS2 mm	D4 mm	D5 mm	D2 mm	L mm	g
055011	10	6x7	10	11	7	103	31
055031	10	8x9	12,5	13,5	9	108	53
055051	10	10x11	15	16	11	120	78
055071	10	12x13	17	19	13	138	127
055091	10	14x15	20	21	14	143	152
055121	10	16x17	22	24	16	153	185
055141	10	18x19	25	26	18	163	235
055171	10	20x22	28	30	20	173	312
055181	5	21x23	29	31	21	183	359
055201	5	24x26	33	35	24	193	438
055211	5	24x27	33	37	24	193	466
055221	5	25x28	34	37	25	203	535
055241	5	27x29	37	39	27	208	592
055251	5	30x32	40	43	30	208	737

## BAR HANDLE



- Material: High performance alloy steel, CrV
- Hardness: 42-48 HRC
- Standards: DIN900

Q	Icon	1	2	3	4	6	6	L mm	g	
055301	1	3,1	4,3	5,3	5,8	8	-	6x7 a 14x15	175	54
055311	1	6,8	7,8	9,8	11,8	12,8	14	16x17 a 30x32	270	251

## DOUBLE HEAD SOCKET WRENCHES SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- From 16 onwards, with hole to locate the stud
- Hardness: 42-48 HRC
- Standards: UNE 16586

Q	Icon	pcs.	Icon	g
056111	1	6	6-7, 8-9, 10-11, 12-13, 14-15, 16-17 mm	730
056131	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	630
056151	1	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27 mm	2.135
056181	1	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm	3.130

## DOUBLE HEAD SOCKET WRENCHES SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- From 16 onwards, with hole to locate the stud
- Hardness: 42-48 HRC
- Standards: UNE 16586

Q	Icon	pcs.	Icon	g
056231	1	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm	1.150
056271	1	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32 mm	3.200

# Slogging ring, open end

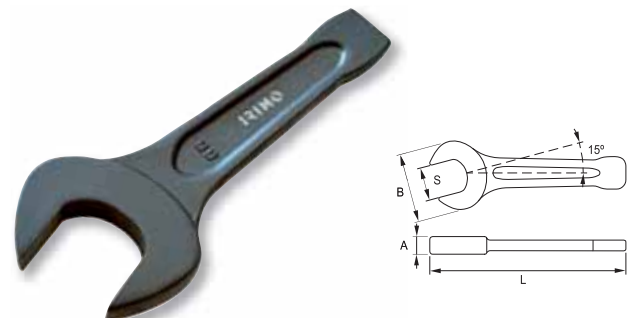
## RING END SLOGGING WRENCHES



- Material: High performance alloy steel
- Hardness: 24-46 mm - 34-40 HRc and 50-120 mm - 30-36 HRc
- Standards: DIN7444

Q	Icon	S mm	D mm	E mm	L mm	g
030241	1	24	43	15	165	235
030271	1	27	46	16	180	290
030301	1	30	53	18	195	435
030321	1	32	53	18	195	415
030341	1	34	59	18	205	510
030361	1	36	59	18	205	510
030381	1	38	59	18	205	510
030411	1	41	65	20	230	710
030461	1	46	74	22,5	240	980
030501	1	50	79	24	255	1.050
030551	1	55	86	25	270	1.410
030601	1	60	93	26	280	1.640
30-65-2	1	65	103	29	300	2.180
30-70-2	1	70	109	33	315	2.400
30-75-2	1	75	114	34	330	2.775
30-80-2	1	80	125	36	348	3.150
30-85-2	1	85	129	37	360	4.860
30-90-2	1	90	148	40	379	5.680
30-95-2	1	95	151	41	395	6.500
30-100-2	1	100	154	45	405	7.830

## OPEN END SLOGGING WRENCHES



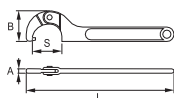
- Material: High performance alloy steel
- Hardness: 24-46 mm - 34-40 HRc and 50-120 mm - 30-36 HRc
- Standards: DIN133

Q	Icon	S mm	A mm	B mm	L mm	g
31-30-2	1	30	17	65	190	550
31-32-2	1	32	17	67	195	560
31-36-2	1	36	18	77	210	845
31-41-2	1	41	19	88	230	1.040
31-46-2	1	46	20	96	250	1.375
31-50-2	1	50	21	106	275	1.670
31-55-2	1	55	24	116	305	2.175
31-60-2	1	60	24	125	315	2.455
31-65-2	1	65	28	136	345	3.550
31-70-2	1	70	30	148	370	4.075
31-75-2	1	75	30	158	385	5.170
31-80-2	1	80	33	170	400	5.785
31-85-2	1	85	33	174	410	6.870

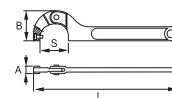


# Hook wrenches

## HOOK WRENCH



## HOOK WRENCH WITH INTERCHANGEABLE PIN



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40 HRC
- Standards: DIN137-B

R	Icon	S mm	A mm	B mm	L mm	g
29-3550-2	1	35-50	6	38	202	186
29-5080-2	1	50-80	8	55	280	382
29-80120-2	1	80-120	9	75	345	642

- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40 HRC
- Standards: DIN137-B

R	Icon	S mm	A mm	B mm	L mm	g
29P-3550-2	1	35-50	11	38	202	186
29P-5080-2	1	50-80	14	55	280	382
29P-80120-2	1	80-120	18	75	345	642

## SPARE PART - INTERCHANGEABLE PIN



- Material: High performance alloy steel

R	Icon	Icon	D mm	g
29P-3550-A	1	29P-3550-2	4	5
29P-5080-A	1	29P-5080-2	5	9
29P-80120-A	1	29P-80120-2	6	19





**IRIMO**

3. TORQUE TOOLS

## Torque wrenches with interchangeable heads

### ADJUSTABLE CLICK WRENCH WITH FIXED RATCHET HEADS



- Adjustable mechanical clock torque wrench
- Precision:  $\pm 4\%$  clockwise
- Fixed ratchet head
- Reversible ratchet with 45 teeth /  $8^\circ$  angle action
- Plastic handle for higher comfort
- Standard: ISO6789

R	Icon	Size	Nm	L mm	$\Delta$ Nm	kg
070411	1	1/4"	4-20	275	0.050	0,5
070421	1	3/8"	10-60	360	0.125	0,8
070431	1	1/2"	25-125	420	0.25	0,9
070441	1	1/2"	40-200	460	0.5	1,0
070451	1	1/2"	65-335	520	0.5	1,2
070461	1	3/4"	65-335	520	0.5	1,2
070471	1	3/4"	150-800	1.040	2	4,9
070481	1	1"	300-1500	1.250	3	8,2

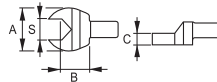
### ADJUSTABLE CLICK WRENCH WITH INTERCHANGEABLE HEADS



- Adjustable mechanical click torque wrenches
- Precision:  $\pm 4\%$
- 9x12 and 14x18 interchangeable heads
- Plastic handle for higher comfort
- Standard: ISO6789

R	Icon	Size	Nm	L mm	$\Delta$ Nm	kg
7309-30	1	9x12	6-30	298	0.050	0,6
7309-60	1	9x12	10-60	367	0.125	0,7
7309-125	1	9x12	25-125	422	0.25	0,8
7314-200	1	14x18	40-200	455	0.5	0,9
7314-335	1	14x18	65-335	515	0.5	1,1

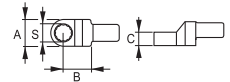
### 9x12 OPEN END INSERTS



- Open-end insert heads, 9x12 mm
- High performance alloy steel
- Forged chrome-plated

R	Icon	S mm	A mm	B mm	C mm	g
7309-1-10	1	10	25	17,5	5,7	40
7309-1-11	1	11	26	17,5	5,7	40
7309-1-12	1	12	28	17,5	5,7	45
7309-1-13	1	13	29	17,5	5,7	45
7309-1-14	1	14	32	20,0	7,7	50
7309-1-17	1	17	38	20,0	7,7	60
7309-1-19	1	19	42	20,0	7,7	70

### 9x12 RING END INSERTS

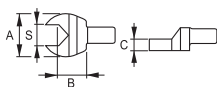


- Ring-end insert head, 9x12 mm
- High performance alloy steel
- Forged chrome-plated

R	Icon	S mm	A mm	B mm	C mm	g
7309-2-10	1	10	18	17,5	8	40
7309-2-11	1	11	19	17,5	8	40
7309-2-12	1	12	20	17,5	12	50
7309-2-13	1	13	21	17,5	12	50
7309-2-14	1	14	23	17,5	12	50
7309-2-17	1	17	27	17,5	13	50
7309-2-19	1	19	31	17,5	13	60
7309-2-22	1	22	35	17,5	15	80



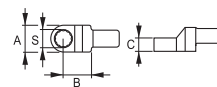
### 14x18 OPEN END INSERTS



- Open-end insert head, 14x18 mm
- High performance alloy steel
- Forged chrome-plated

R		S mm	A mm	B mm	C mm	g
7314-1-13	1	13	30	25,0	7	130
7314-1-14	1	14	31	25,0	7	130
7314-1-17	1	17	37	25,0	9	135
7314-1-19	1	19	41	25,0	9	140
7314-1-22	1	22	47	25,0	11	170
7314-1-24	1	24	51	25,0	11	180
7314-1-27	1	27	59	32,5	14	220
7314-1-30	1	30	63	32,5	14	240
7314-1-32	1	32	65	32,5	14	240

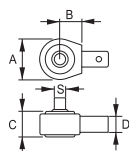
### 14x18 RING END INSERTS



- Ring-end insert head, 14x18 mm
- High performance alloy steel
- Forged chrome-plated

R		S mm	A mm	B mm	C mm	g
7314-2-13	1	13	21	25	12	120
7314-2-14	1	14	23	25	12	120
7314-2-17	1	17	28	25	13	130
7314-2-19	1	19	30	25	13	140
7314-2-22	1	22	35	25	15	145
7314-2-24	1	24	38	25	15	145
7314-2-27	1	27	42	31	18	170
7314-2-30	1	30	45	31	18	180
7314-2-32	1	32	48	31	18	180
7314-2-36	1	36	53	31	19	205
7314-2-41	1	41	59	31	19	235

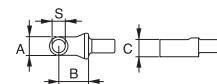
### 9x12 & 14x18 RATCHET HEAD INSERTS



- 1/4", 3/8" & 1/2" square drive ratchet inserts in 9x12 mm
- 1/2" Square drive ratchet inserts in 14x18 mm
- Teeth number: 45
- Angle action: 8°
- High performance alloy steel
- Forged chrome-plated

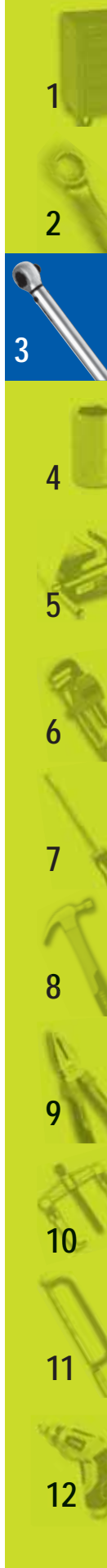
R		S mm	A mm	B mm	C mm	D mm	Max Nm	g
7309-1/4	1	1/4"	37	18	20	9x12	25	135
7309-3/8	1	3/8"	38	18	20	9x12	160	160
7309-1/2	1	1/2"	38	18	20	9x12	160	160
7314-1/2	1	1/2"	40	25	20	14x18	420	265

### 9x12 BIT HOLDER INSERT



- Torque tool bit holder insert, 9x12 mm
- High performance alloy steel
- Forged chrome plated
- For 5/16" bits

R		S mm	A mm	B mm	C mm	g
7309-5/16	1	Hex 5/16"	17	17,5	17	40



## BOLTS AND NUTS. PRE-LOAD AND TORQUE DATA

	coarse pitch mm	mm	mm	resistant area mm <sup>2</sup>	friction coefficient mm	PROPERTY CLASS. COARSE PITCH											
						4.8		5.8		6.8		8.8		10.9		12.9	
						Pre-load N	Torque Nm	Pre-load N	Torque Nm	Pre-load N	Torque Nm	Pre-load N	Torque Nm	Pre-load N	Torque Nm	Pre-load N	Torque Nm
						mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
M2	040	40	15	207	0.10 0.14	4480 4495	0.15 0.19	610.6 561.9	0.19 0.23	732.7 674.3	0.23 0.28	976.9 899.0	0.31 0.37	1373.8 1264.3	<b>0.43</b> <b>0.52</b>	1648.6 1517.1	0.52 0.63
M2.5	045	50	20	3.39	0.10 0.14	813.5 749.9	0.31 0.38	1016.9 937.4	0.39 0.48	1220.2 1124.9	0.47 0.58	1627.0 1499.8	0.63 0.77	2288.0 2109.1	<b>0.88</b> <b>1.08</b>	2745.6 2531.0	1.06 1.30
M3	050	55	25	5.03	0.10 0.14	1219.9 1125.9	0.54 0.60	1524.9 1407.4	0.68 0.83	1829.9 1688.9	0.82 1.00	2439.9 2251.9	1.09 1.34	3431.0 3166.7	1.53 1.88	4117.2 3800.0	1.84 2.26
M3.5	060	60	-	6.78	0.10 0.14	1638.2 1511.3	0.84 1.03	2047.8 1889.2	1.05 1.28	2457.3 2267.0	1.26 1.54	3276.4 3022.6	1.68 2.05	4607.5 4250.6	2.36 2.89	5528.9 5100.7	2.84 3.47
M4	070	70	30	8.78	0.10 0.14	2115.4 1950.9	1.25 1.53	2644.3 2438.7	1.56 1.91	3173.1 2926.4	1.88 2.29	4230.8 3901.9	2.50 3.06	5949.6 5487.0	3.52 4.30	7139.5 6584.4	4.22 5.16
M5	080	80	40	14.20	0.10 0.14	34616 31968	2.46 3.02	4327.0 3996.0	3.08 3.78	5192.3 4795.2	3.70 4.53	6923.1 6393.7	4.93 6.04	9735.7 8991.1	6.93 8.50	11682.8 10789.3	8.32 10.20
M6	100	100	50	20.10	0.10 0.14	48747 44991	4.24 5.19	6093.4 5623.9	5.30 6.48	7312.1 6748.6	6.35 7.78	9749.4 8998.2	8.47 10.37	13710.1 12653.7	11.92 14.59	16452.2 15184.4	14.30 17.51
M7	100	110	-	28.90	0.10 0.14	71345 65996	6.97 8.60	8918.2 8249.5	8.71 10.76	10701.8 9899.4	10.45 12.90	14269.1 13199.2	13.94 17.21	20065.9 18561.4	19.60 24.20	24079.1 22273.6	23.52 29.04
M8	125	130	60	36.60	0.10 0.14	89471 82656	10.20 12.54	11183.9 10332.0	12.75 15.67	13420.7 12398.4	15.30 18.80	17894.2 16531.2	20.41 25.07	25163.7 23247.0	28.70 35.26	30196.5 27896.5	34.44 42.31
M10	150	160	80	58.00	0.10 0.14	142445 131674	20.11 24.76	17805.6 16459.2	25.14 30.95	21366.8 19751.1	30.16 37.14	28489.0 26334.8	40.22 49.52	40062.7 37033.3	56.56 69.64	48075.3 44439.9	67.87 83.56
M12	175	180	100	84.30	0.10 0.14	207666 192040	34.43 42.42	25958.3 24005.0	43.03 53.03	31149.9 28806.0	51.64 63.63	41533.2 38408.0	68.86 84.84	58406.1 54011.2	96.83 119.31	70087.3 64813.5	116.20 143.17
M14	200	210	120	115.00	0.10 0.14	283899 262612	54.77 67.56	35487.4 32826.5	68.46 84.45	42584.9 39391.8	82.15 101.34	56779.8 52522.4	109.53 135.13	79846.6 73859.6	154.03 190.02	95816.0 88631.5	184.84 228.03
M16	200	240	140	157.00	0.10 0.14	392421 36364	85.14 105.80	49052.7 45455.3	106.43 132.26	58863.2 54546.3	127.72 158.71	78484.3 72728.5	170.29 211.61	110368.5 102274.4	239.47 297.58	132442.2 122729.3	287.36 357.09
M18	250	270	140	192.00	0.10 0.14	47533.0 43986.1	117.48 145.16	59416.3 54982.7	146.85 181.45	71299.6 65979.2	176.22 217.74	95066.1 87972.3	234.96 290.32	133686.7 123711.0	330.41 402.26	160424.1 148453.2	396.49 489.92
M20	250	300	170	245.00	0.10 0.14	61238.0 56747.1	166.08 206.39	76547.5 70933.9	207.61 257.98	91857.0 85120.6	249.13 309.58	122476.0 113494.2	332.17 412.78	172231.9 159601.2	467.11 580.47	206678.2 191521.5	560.54 696.56
M22	250	340	170	303.00	0.10 0.14	76305.2 70791.9	227.22 283.79	95381.5 88489.8	284.02 354.74	114457.8 106187.8	340.82 425.69	152610.4 141583.7	454.43 567.58	214608.3 199102.1	639.05 798.16	257530.0 238922.5	766.85 957.80
M24	300	360	190	353.00	0.10 0.14	88232.4 81761.8	287.16 356.84	110290.5 102202.2	358.94 446.05	132348.6 122642.7	430.73 535.26	176646.9 163523.6	574.31 713.68	248153.7 229955.1	807.63 1003.61	297784.4 275946.1	969.15 1204.33
M27	300	410	190	459.00	0.10 0.14	115778.8 107441.5	420.04 525.08	144723.5 134301.9	525.05 656.35	173668.2 161162.2	630.06 787.62	231557.6 214883.0	840.08 1050.16	325627.9 302179.2	1181.36 1476.79	390753.4 362615.0	1417.63 1772.15
M30	350	460	220	561.00	0.10 0.14	140999.5 130770.6	572.83 714.49	176249.4 163463.3	716.03 893.11	211499.3 196155.9	859.24 1071.73	281999.0 261541.2	1145.65 1428.97	396561.1 367792.3	1611.08 2009.49	475873.4 441350.8	1933.29 2411.39
M33	350	500	220	694.00	0.10 0.14	175618.1 163058.0	774.65 970.43	219522.6 203822.5	968.32 1213.03	263427.1 244587.0	1161.98 1455.64	351236.2 326115.9	1549.31 1940.86	493925.8 458600.5	2178.72 2729.33	592711.0 550320.6	2614.46 3275.19
M36	400	550	240	817.00	0.10 0.14	206081.7 191241.8	998.60 1248.41	257602.2 239052.3	1248.25 1560.51	309122.6 286862.7	1497.89 1872.61	412163.5 382483.6	1997.19 2496.81	579604.8 537867.6	2808.55 3511.14	695525.8 645441.1	3370.26 4213.37
M39	400	600	270	976.00	0.10 0.14	247520.0 229902.6	1291.81 1620.96	309400.0 287378.3	1614.77 2026.20	371279.9 344853.9	1937.72 2431.44	495039.9 459805.2	2583.63 3241.92	696149.8 646601.0	3633.23 4558.96	835379.8 775921.3	4359.88 5470.75
M42	450	650	-	1120.00	0.10 0.14	283225.0 262939.0	1601.25 2005.46	354031.2 328673.8	2001.57 2506.83	424837.4 394408.5	3008.20 3779.32	566449.9 525878.0	3202.51 4010.93	796570.1 739516.0	4503.53 5640.37	955884.2 887419.2	5404.23 6768.44
M45	450	700	320	1310.00	0.10 0.14	332751.5 309151.8	2005.51 2519.55	415939.4 386439.7	2506.89 3149.43	499127.3 463727.7	3008.26 3779.32	665503.0 618303.6	4011.02 5039.09	935863.6 869489.3	5640.50 7086.23	1123036.0 1043387.0	6768.60 8503.47
M48	500	750	-	1470.00	0.10 0.14	372429.3 345862.9	2406.51 3018.11	465536.6 432328.7	3008.14 3772.64	558644.0 518794.4	3609.77 4527.17	744858.6 691725.8	4813.03 6036.23	1047457.0 972739.4	6768.32 8488.45	1256949.0 1167287.0	8121.98 10186.14
M52	500	800	360	1760.00	0.10 0.14	448108.9 416499.0	3099.96 3900.52	560136.1 520623.8	3874.95 4875.65	672163.4 624748.5	4649.93 5850.78	896217.8 832998.0	6199.91 7801.04	1260306.0 1171404.0	8718.63 10970.21	1512368.0 1405684.0	10462.36 13164.25
M56	550	850	410	2030.00	0.10 0.14	516202.9 479683.4	3838.14 4824.40	645253.6 599604.2	4797.68 6030.50	774304.4 719525.1	5757.21 7236.60	1032406.0 959366.8	7676.29 9648.80	1451821.0 1349110.0	10794.78 13568.63	1742185.0 1618931.0	12953.73 16282.36
M60	550	900	-	2360.00	0.10 0.14	602498.5 560267.5	4754.64 5992.71	753123.1 700334.4	5943.30 7490.88	903747.8 840401.2	7131.96 8989.06	1204997.0 1120535.0	9509.28 11985.42	1694527.0 1575752.0	13372.43 16854.49	2033432.0 1890903.0	16046.91 20225.39
M64	600	950	460	2680.00	0.10 0.14	683339.5 635299.9	5746.17 7235.13	854174.4 794124.9	7182.71 9043.92	1025009.0 952949.8	8619.25 10852.70	1366679.0 1270600.0	11492.34 14470.27	1921892.0 1786781.0	16161.10 20348.82	2306271.0 2144137.0	19393.32 24418.58
M68	600	1000	-	3060.00	0.10 0.14	782799.9 728201.8	6939.64 8758.24	978499.8 910252.2	8674.55 10947.80	1174200.0 1092303.0	10409.46 13137.36	1565600.0 1456404.0	13879.28 17516.48	2201625.0 2048068.0	19517.74 24632.55	2641950.0 2457681.0	23421.29 29559.06



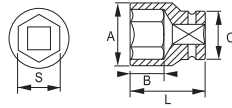
**RIMO**

4. SOCKETRY

# 1/4" sockets

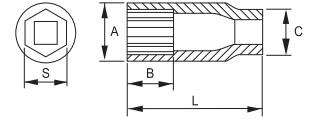
## 1/4" HEXAGONAL SOCKETS

1/4"  
6.3 mm



NPP drives the bolt on the sides and not on the corners

## 1/4" DEEP HEXAGONAL SOCKETS



NPP drives the bolt on the sides and not on the corners

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

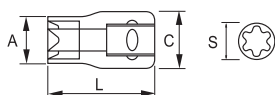
R	⊙	⊠	S mm	A mm	B mm	C mm	L mm	g
101-04-1	5	4	6,9	9,0	12,0	25,0	11	
101-045-1	5	4,5	7,5	9,0	12,0	25,0	11	
101-05-1	5	5	8,2	9,0	12,0	25,0	11	
101-055-1	5	5,5	8,8	9,0	12,0	25,0	12	
101-06-1	5	6	9,4	9,0	12,0	25,0	11	
101-07-1	5	7	11,0	9,0	12,0	25,0	13	
101-08-1	5	8	12,0	12,0	12,0	25,0	13	
101-09-1	5	9	13,0	12,0	13,0	25,0	15	
101-10-1	5	10	14,0	12,0	12,6	25,0	21	
101-11-1	5	11	16,0	12,0	14,0	25,0	24	
101-12-1	5	12	17,0	12,0	14,8	25,0	26	
101-13-1	5	13	18,0	12,0	15,8	25,0	28	
101-14-1	5	14	20,0	12,0	17,4	25,0	39	

R	⊙	⊠	S mm	A mm	B mm	C mm	L mm	g
103-04-1	5	4	6,9	12,0	12,0	50,0	21	
103-045-1	5	4,5	7,5	12,0	12,0	50,0	20	
103-05-1	5	5	8,2	12,0	12,0	50,0	21	
103-055-1	5	5,5	8,8	12,0	12,0	50,0	22	
103-06-1	5	6	9,4	12,0	12,0	50,0	22	
103-07-1	5	7	11,0	24,0	12,0	50,0	26	
103-08-1	5	8	12,0	24,0	10,9	50,0	29	
103-09-1	5	9	13,0	24,0	11,6	50,0	30	
103-10-1	5	10	14,0	24,0	13,0	50,0	39	
103-11-1	5	11	16,0	24,0	14,2	50,0	44	
103-12-1	5	12	17,0	24,0	15,0	50,0	49	
103-13-1	5	13	18,0	24,0	16,0	50,0	55	
103-14-1	5	14	20,0	24,0	17,0	50,0	65	

R	⊙	⊠	S	A mm	B mm	C mm	L mm	g
101A-05-1	5	5/32"	6,9	8,5	12,0	25,0	10	
101A-06-1	5	3/16"	7,5	8,5	12,0	25,0	10	
101A-07-1	5	7/32"	8,8	9,5	12,0	25,0	11	
101A-08-1	5	1/4"	9,4	9,5	12,0	25,0	11	
101A-09-1	5	9/32"	11,0	10,5	12,0	25,0	13	
101A-10-1	5	5/16"	12,0	10,5	12,0	25,0	12	
101A-11-1	5	11/32"	13,0	10,5	12,0	25,0	14	
101A-12-1	5	3/8"	14,0	10,5	12,6	25,0	18	
101A-14-1	5	7/16"	16,0	11,5	14,0	25,0	23	
101A-16-1	5	1/2"	18,0	11,5	15,8	25,0	29	
101A-18-1	5	9/16"	20,0	11,5	17,4	25,0	37	

R	⊙	⊠	S	A mm	B mm	C mm	L mm	g
103A-06-1	5	3/16"	8,2	12,0	12,0	50,0	21	
103A-08-1	5	1/4"	9,7	12,0	12,0	50,0	22	
103A-09-1	5	9/32"	11,2	24,0	12,0	50,0	26	
103A-10-1	5	5/16"	12,0	24,0	12,0	50,0	29	
103A-11-1	5	11/32"	13,0	24,0	12,0	50,0	30	
103A-12-1	5	3/8"	13,7	24,0	12,0	50,0	39	
103A-14-1	5	7/16"	16,1	24,0	14,2	50,0	44	
103A-16-1	5	1/2"	18,0	24,0	16,0	50,0	55	

### 1/4" SOCKETS, TORX®

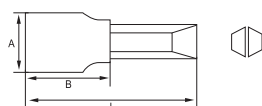


- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standard: DIN3120

R	Icon	Symbol	S mm	A mm	B mm	L mm	g
106-04-1	5	E-4	3,8	6,0	12,0	25,0	10
106-05-1	5	E-5	4,7	7,0	12,0	25,0	11
106-06-1	5	E-6	5,7	8,0	12,0	25,0	11
106-07-1	5	E-7	6,2	8,6	12,0	25,0	11
106-08-1	5	E-8	7,5	10,3	12,0	25,0	12
106-10-1	5	E-10	9,4	12,3	13,0	25,0	21

### 1/4" bit drivers

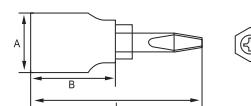
#### 1/4" BIT DRIVER, SLOTTED



- Bit made with S2 special steel
- Slotted
- Standard: DIN3120

R	Icon	Symbol	A mm	B mm	L mm	g
107-0840-1	5	0,8 x 4	11,8	20,0	37,5	15
107-1055-1	5	1 x 5,5	11,8	20,0	37,5	15
107-1280-1	5	1,2 x 8	11,8	20,0	37,5	16

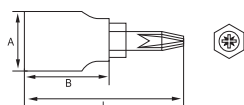
#### 1/4" BIT DRIVER, PHILLIPS



- Bit made with S2 special steel
- Phillips bit driver
- Standard: DIN3120

R	Icon	Symbol	A mm	B mm	L mm	g
107-PH1-1	5	PH-1	11,8	20,0	37,5	15
107-PH2-1	5	PH-2	11,8	20,0	37,5	15
107-PH3-1	5	PH-3	11,8	20,0	37,5	16

#### 1/4" BIT DRIVER, POZIDRIV



- Bit made with S2 special steel
- Pozidriv bit driver
- Standard: DIN3120

R	Icon	Symbol	A mm	B mm	L mm	g
107-PZ1-1	5	PZ-1	11,8	20,0	37,5	15
107-PZ2-1	5	PZ-2	11,8	20,0	37,5	15
107-PZ3-1	5	PZ-3	11,8	20,0	37,5	16

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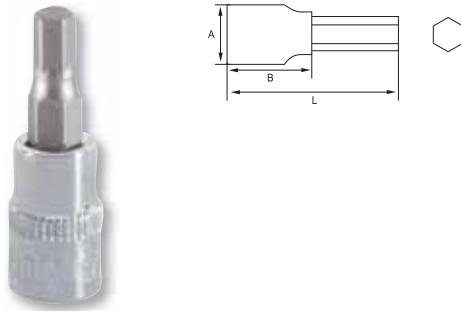
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## 1/4" bit drivers

### 1/4" BIT DRIVER, HEXAGONAL

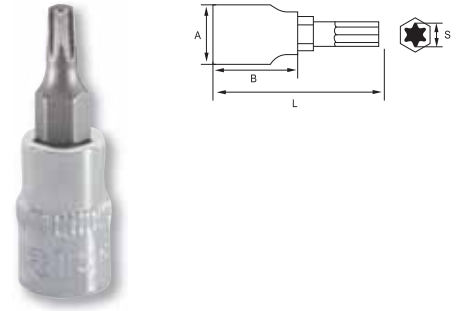


- Bit made with S2 special steel
- Hexagonal bit driver
- Standard: DIN3120

Q	Icon	Icon	A mm	B mm	L mm	g
107-H3-1	5	3	11,8	20,0	37,5	15
107-H4-1	5	4	11,8	20,0	37,5	15
107-H5-1	5	5	11,8	20,0	37,5	16
107-H6-1	5	6	11,8	20,0	37,5	17
107-H8-1	5	8	11,8	20,0	37,5	19

Q	Icon	Icon	A mm	B mm	L mm	g
107A-4-1	5	1/8"	11,8	20,0	37,5	15
107A-5-1	5	5/32"	11,8	20,0	37,5	15
107A-6-1	5	3/16"	11,8	20,0	37,5	16
107A-7-1	5	7/32"	11,8	20,0	37,5	17

### 1/4" BIT DRIVER, TORX®

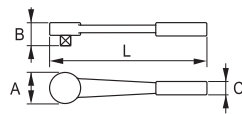


- Bit made with S2 special steel
- TORX® bit driver
- Standard: DIN3120

Q	Icon	Icon	S mm	A mm	C mm	L mm	g
107-T08-1	5	T8	2,3	11,8	20,0	37,5	15
107-T09-1	5	T9	2,5	11,8	20,0	37,5	15
107-T10-1	5	T10	2,7	11,8	20,0	37,5	15
107-T15-1	5	T15	3,3	11,8	20,0	37,5	15
107-T20-1	5	T20	3,8	11,8	20,0	37,5	15
107-T25-1	5	T25	4,4	11,8	20,0	37,5	15
107-T27-1	5	T27	5,0	11,8	20,0	37,5	16
107-T30-1	5	T30	5,5	11,8	20,0	37,5	16
107-T40-1	5	T40	6,6	11,8	20,0	37,5	16

## 1/4" accessories

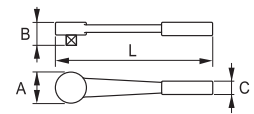
### 1/4" REVERSIBLE RATCHET



- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN3120, DIN3122

Q	Icon	A mm	B mm	C mm	L mm	g
105-70-1	5	28	25	23	152	151

### 1/4" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN3122, DIN3120, ISO3315, UNE16512

Q	Icon	A mm	B mm	C mm	L mm	g
105501	1	25	23	21	122	150



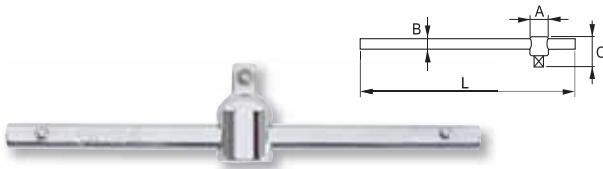
RATCHET EXHIBITOR WITH 12 1/4" RATCHETS



- Reversible ratchet
- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN3122, DIN3120
- The exhibitor is sold only complete
- Use part number 105-70-1 to order individual ratchets

R	Box	pcs.	mm	g
105-70-12DISP	1	12	160x145x130	1.970

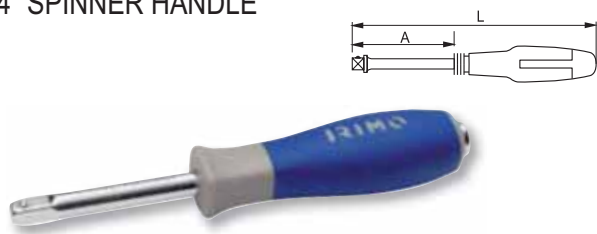
1/4" SLIDING T-HANDLE



- Standards: DIN3120, DIN3122

R	Box	A mm	B mm	C mm	L mm	g
105-42-1	5	13,5	6,0	24	115	45

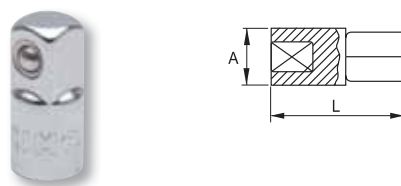
1/4" SPINNER HANDLE



- Standard: DIN3120

R	Box	A mm	L mm	g
105-50-1	5	61	150	88

1/4"-3/8" INCREASING ADAPTOR



- Increasing adaptor 1/4" to 3/8"
- Standards: DIN3120, DIN3122

R	Box	A mm	L mm	g
105-46-1	5	12,0	26,0	31

1/4" EXTENSIONS



- Standards: DIN3120, DIN3122

R	Box	A mm	B mm	L mm	g
105-22-1	5	8,1	12,2	50	20
105-24-1	5	8,1	12,2	100	38
105-26-1	5	8,1	12,2	150	65

1/4" FLEXIBLE EXTENSION



- Standard: DIN3120

R	Box	A mm	B mm	L mm	g
105-28-1	5	12,5	8	148	57

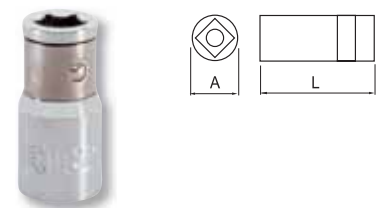
1/4" UNIVERSAL JOINT



- Standards: DIN3120, DIN3122

R	Box	A mm	L mm	g
105-40-1	5	13,8	38,0	27

1/4" BIT HOLDER



- 1/4" female square to 1/4" female hex
- Standard: DIN3120

R	Box	A mm	L mm	g
105-48-1	5	11,9	25,0	12

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# 1/4" socket set

## 1/4" SOCKET SET, HEXAGONAL AND METRIC



- 13 pcs, 1/4" drive socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- DIN3120, DIN3124, DIN3122
- Hang sell presentation
- Desktop display including 12 sets

Code	Icon	pcs.	Dimensions	Weight	
109-13-4		8	12	254x70x30	460
101				4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm	
105-70-1					
105-24-1					100 mm

## 1/4" SOCKET AND BIT SET



- 1/4" 23 pcs socket and bit set DIN3120 and DIN3124
- Ratchet torque according to DIN3122
- Special ratchet hex 1/4" drive; Reversible; 60 teeth; L= 90 mm
- Bimaterial ratchet handle
- ABS plastic box
- Includes belt clip
- Ratchet is sold as a spare part: SP121

Code	Icon	pcs.	Dimensions	Weight	
109-23-4		1	23	110x75x45	340
101				6, 7, 8, 10, 11, 13 mm	
475-PH				1/4" PH-1, PH-2	
475-PZ				1/4" PZ-1, PZ-2	
475-				1/4" SL 4, 6 mm	
475-H				1/4" Hex 3, 4, 5, 6 mm	
475-T				1/4" TORX® T10, 15, 20, 25, 30	
475A-25-1				Adaptor 1/4" - 25 mm	
SP121				Ratchet, 90 mm	

## 1/4" SOCKET SET, HEXAGONAL AND METRIC



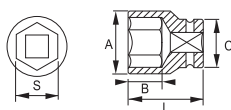
- 35 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene

Code	Icon	pcs.	Dimensions	Weight	
109-35-4		1	35	250x170x60	1.200
101				4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm	
105-70-1					
105-42-1					
105-50-1					
105-22-1					50 mm
105-24-1					100 mm
040					1.5, 2, 2.5 mm
105-48-1					1/4" - 1/4"
475-PH					1/4" PH-1, PH-2, PH-3
475-PZ					1/4" PZ-1, PZ-2, PZ-3
475-					1/4" SL 3, 4, 5, 5 mm
475-H					1/4" Hex 3, 4, 5, 6 mm

## 3/8" sockets

### 3/8" HEXAGONAL SOCKETS

3/8"  
10 mm

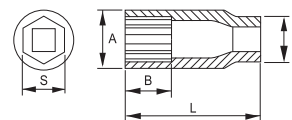


NPP drives the bolt on the sides and not on the corners

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

Part No.	Profile	S mm	A mm	B mm	C mm	L mm	g
112-06-1	5	6	10,5	9,0	17,0	28,0	21
112-07-1	5	7	11,0	9,0	17,0	28,0	24
112-08-1	5	8	12,2	9,0	17,0	28,0	27
112-09-1	5	9	13,5	9,0	17,0	28,0	26
112-10-1	5	10	14,7	9,0	17,0	28,0	24
112-11-1	5	11	16,0	9,0	17,0	28,0	26
112-12-1	5	12	18,0	15,0	17,0	28,0	24
112-13-1	5	13	19,0	15,0	17,0	28,0	29
112-14-1	5	14	20,0	15,0	17,7	28,0	38
112-15-1	5	15	22,0	15,0	17,9	28,0	40
112-16-1	5	16	22,0	15,0	17,9	28,0	46
112-17-1	5	17	24,0	15,0	18,8	30,0	56
112-18-1	5	18	26,0	15,0	19,8	30,0	75
112-19-1	5	19	26,0	15,0	20,7	30,0	66
112-20-1	5	20	28,0	15,0	21,8	30,0	88
112-21-1	5	21	28,0	15,0	21,8	30,0	84
112-22-1	5	22	30,0	15,0	22,8	32,0	104

### 3/8" HEXAGONAL DEEP SOCKETS



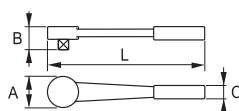
NPP drives the bolt on the sides and not on the corners

- Deep sockets
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standard: DIN3120

Part No.	Profile	S mm	A mm	B mm	C mm	L mm	g
113-07-1	5	7	11,0	16,0	17,0	64,0	45
113-08-1	5	8	12,2	16,0	17,0	64,0	49
113-09-1	5	9	13,5	16,0	17,0	64,0	53
113-10-1	5	10	14,7	16,0	17,0	64,0	60
113-11-1	5	11	17,0	29,0	16,0	64,0	61
113-12-1	5	12	18,0	29,0	17,2	64,0	63
113-13-1	5	13	19,0	29,0	16,8	64,0	75
113-14-1	5	14	20,0	29,0	17,8	64,0	81
113-16-1	5	16	22,0	29,0	18,0	64,0	98
113-17-1	5	17	24,0	29,0	18,9	64,0	123
113-19-1	5	19	26,0	29,0	20,8	64,0	145

## 3/8" accessories

### 3/8" REVERSIBLE RATCHET

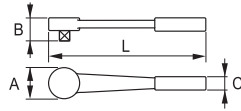


- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN3120, DIN3122

Part No.	Profile	A mm	B mm	C mm	L mm	g
115-70-1	5	33	33	32	202	341

### 3/8" accessories

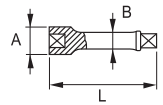
#### 3/8" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN3122, DIN3120, ISO3315, UNE16512

R		A mm	B mm	C mm	L mm	g
115501	1	29	30	24	197	230

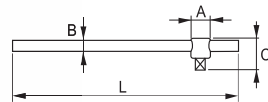
#### 3/8" EXTENSIONS



- Standards: DIN3120, DIN3122

R		A mm	B mm	L mm	g
115-20-1	5	17,0	12,1	75	125
115-22-1	5	17,0	12,1	150	138
115-24-1	5	17,0	12,1	250	232

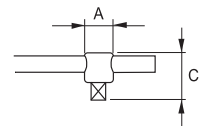
#### 3/8" SLIDING T-HANDLE



- Standards: DIN3120, DIN3122

R		A mm	B mm	C mm	L mm	g
115-42-1	5	17,5	8,5	35	152	114

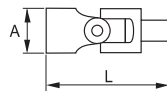
#### 3/8" T-HANDLE HEAD



- Sliding T handle head
- Standard: DIN3120

R		A mm	C mm	g
115-43-1	5	24,0	40,5	30

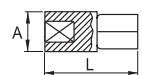
#### 3/8" UNIVERSAL JOINT



- Standards: DIN3120, DIN3122

R		A mm	L mm	g
115-40-1	5	17,8	59,0	61

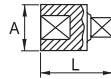
#### 3/8"-1/4" REDUCING ADAPTOR



- Reducing adaptor 3/8" to 1/4"
- Standard: DIN3120

R		A mm	L mm	g
115-46-1	5	16,0	25,0	17

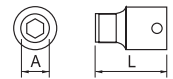
### 3/8"-1/2" INCREASING ADAPTOR



- Increasing adaptor 3/8" to 1/2"
- Standard: DIN3120

R	Icon	A mm	L mm	g
115-44-1	5	18,0	35,5	45

### 3/8" BIT HOLDER



- 3/8" female square to 5/16" female hex
- Standard: DIN3120

R	Icon	A mm	L mm	g
115-48-1	5	5/16"	15,4	28,0

## 3/8" socket set

### 3/8" SOCKET SET, HEXAGONAL AND METRIC

3/8"  
10 mm



NPP drives the bolt on the sides and not on the corners

- 3/8" Socket set, 18 pcs
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

R	Icon	pcs.	Dimensions	g
119-18-4		18	320x250x75	3250
112	Hexagon		7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22 mm	
115-70-1	Socket			
115-22-1	Socket			150 mm
115-20-1	Socket			75 mm
115-40-1	Socket			
115-43-1	Socket			

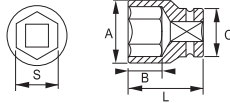




# 1/2" sockets

## 1/2" HEXAGONAL SOCKETS

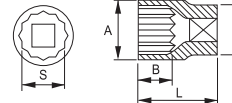
1/2"  
12.5 mm



NPP drives the bolt on the sides and not on the corners

## 1/2" BIHEXAGONAL SOCKETS

1/2"  
12.5 mm



NPP drives the bolt on the sides and not on the corners

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

R	Profile	Material	S mm	A mm	B mm	C mm	L mm	g
121-08-1	5	8	14,8	13,0	22,0	38,0	50	
121-09-1	5	9	15,3	13,0	22,0	38,0	48	
121-10-1	5	10	15,3	13,0	22,0	38,0	49	
121-11-1	5	11	16,5	13,0	22,0	38,0	50	
121-12-1	5	12	17,8	13,0	22,0	38,0	52	
121-13-1	5	13	19,0	13,0	22,0	38,0	54	
121-14-1	5	14	20,3	13,0	22,0	38,0	56	
121-15-1	5	15	22,0	17,8	20,5	38,0	57	
121-16-1	5	16	22,0	17,8	20,5	38,0	71	
121-17-1	5	17	24,0	17,8	21,9	38,0	72	
121-18-1	5	18	25,0	17,8	22,9	38,0	90	
121-19-1	5	19	26,0	17,8	22,9	38,0	84	
121-20-1	5	20	28,0	17,8	23,9	38,0	87	
121-21-1	5	21	28,0	17,8	23,9	38,0	95	
121-22-1	5	22	30,0	17,8	26,1	38,0	97	
121-23-1	5	23	32,0	17,8	28,1	38,0	103	
121-24-1	5	24	32,0	17,8	28,1	38,0	109	
121-25-1	5	25	34,0	17,8	29,1	40,0	146	
121-26-1	5	26	34,0	17,8	29,1	42,0	192	
121-27-1	5	27	36,0	17,8	30,1	42,0	211	
121-28-1	5	28	38,0	17,8	32,1	42,0	212	
121-30-1	5	30	40,0	17,8	34,1	44,0	214	
121-32-1	5	32	42,0	17,8	36,1	44,0	217	

R	Profile	Material	S mm	A mm	B mm	C mm	L mm	g
122-08-1	5	8	14,8	13,0	22,0	38,0	50	
122-09-1	5	9	15,3	13,0	22,0	38,0	48	
122-10-1	5	10	15,3	13,0	22,0	38,0	49	
122-11-1	5	11	16,5	13,0	22,0	38,0	50	
122-12-1	5	12	17,8	13,0	22,0	38,0	52	
122-13-1	5	13	19,0	13,0	22,0	38,0	54	
122-14-1	5	14	20,3	13,0	22,0	38,0	56	
122-15-1	5	15	22,0	17,8	20,5	38,0	57	
122-16-1	5	16	22,0	17,8	20,5	38,0	71	
122-17-1	5	17	24,0	17,8	21,9	38,0	72	
122-18-1	5	18	25,0	17,8	22,9	38,0	90	
122-19-1	5	19	26,0	17,8	22,9	38,0	84	
122-20-1	5	20	28,0	17,8	23,9	38,0	87	
122-21-1	5	21	28,0	17,8	23,9	38,0	95	
122-22-1	5	22	30,0	17,8	26,1	38,0	97	
122-23-1	5	23	32,0	17,8	28,1	38,0	103	
122-24-1	5	24	32,0	17,8	28,1	38,0	109	
122-27-1	5	27	36,0	17,8	30,1	42,0	211	
122-30-1	5	30	40,0	17,8	34,1	44,0	214	
122-32-1	5	32	42,0	17,8	36,1	44,0	217	

R	Profile	Material	S	A mm	B mm	C mm	L mm	g
122A-10-1	5	5/16"	14,8	13,0	22,0	38,0	50	
122A-11-1	5	11/32"	15,3	13,0	22,0	38,0	48	
122A-12-1	5	3/8"	15,5	13,0	22,0	38,0	45	
122A-14-1	5	7/16"	16,7	13,0	22,0	38,0	49	
122A-16-1	5	1/2"	19,2	13,0	22,0	38,0	54	
122A-18-1	5	9/16"	20,5	13,0	22,0	38,0	55	
122A-20-1	5	5/8"	22,0	17,8	20,6	38,0	69	
122A-22-1	5	11/16"	24,0	17,8	21,9	38,0	71	
122A-24-1	5	3/4"	26,0	17,8	22,9	38,0	75	
122A-26-1	5	13/16"	28,0	17,8	23,9	38,0	76	
122A-28-1	5	7/8"	30,0	17,8	26,1	38,0	88	
122A-30-1	5	15/16"	32,0	17,8	28,1	38,0	104	
122A-34-1	5	1.1/16"	36,0	17,8	30,1	42,0	141	
122A-38-1	5	1.3/16"	40,0	17,8	34,1	44,0	214	
122A-40-1	5	1.1/4"	42,0	17,8	36,1	44,0	233	



### 1/2" BIHEXAGONAL DEEP SOCKETS

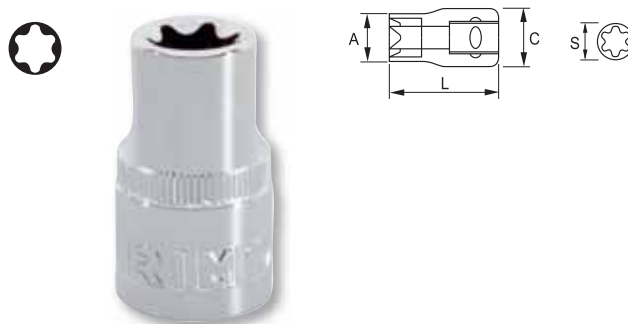


- 1/2" Sockets, long
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN3120, DIN3124

R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
124-10-1	5	10	15,3	27,0	22,0	78,0	78
124-11-1	5	11	16,5	27,0	22,0	78,0	86
124-12-1	5	12	17,8	27,0	22,0	78,0	103
124-13-1	5	13	19,0	27,0	22,0	78,0	108
124-14-1	5	14	20,3	27,0	22,0	78,0	109
124-15-1	5	15	22,0	31,0	22,0	78,0	113
124-16-1	5	16	22,0	31,0	22,0	78,0	115
124-17-1	5	17	24,0	31,0	22,0	78,0	123
124-18-1	5	18	25,0	31,0	22,8	78,0	149
124-19-1	5	19	26,0	31,0	22,8	78,0	135
124-21-1	5	21	28,0	31,0	23,8	78,0	151
124-22-1	5	22	30,0	31,0	26,0	78,0	190
124-24-1	5	24	32,0	31,0	28,0	78,0	220
124-27-1	5	27	36,0	31,0	30,0	78,0	250
124-30-1	5	30	40,0	31,0	34,0	78,0	341
124-32-1	5	32	42,0	31,0	36,0	78,0	382

R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
124A-18-1	5	9/16"	22,0	31,0	22,0	78,0	113
124A-20-1	5	5/8"	22,0	31,0	22,0	78,0	115
124A-22-1	5	11/16"	25,0	31,0	22,8	78,0	149
124A-24-1	5	3/4"	26,0	31,0	22,8	78,0	135
124A-26-1	5	13/16"	28,0	31,0	23,8	78,0	151

### 1/2" SOCKETS, TORX®



- Standard: DIN3120

R	Icon	S	A	C	L	g	
		mm	mm	mm	mm		
126-10-1	5	E-10	9,4	14,7	22,0	38,0	55
126-11-1	5	E-11	10,0	15,2	22,0	38,0	53
126-12-1	5	E-12	11,1	16,0	22,0	38,0	57
126-14-1	5	E-14	12,9	17,0	22,0	38,0	59
126-16-1	5	E-16	14,7	22,0	20,1	38,0	65
126-18-1	5	E-18	16,6	24,0	21,8	38,0	77
126-20-1	5	E-20	18,4	24,0	21,8	38,0	73
126-24-1	5	E-24	22,1	28,0	23,8	38,0	110



# 1/2" bit drivers

## 1/2" BIT DRIVER, HEXAGONAL

1/2"  
12.5 mm

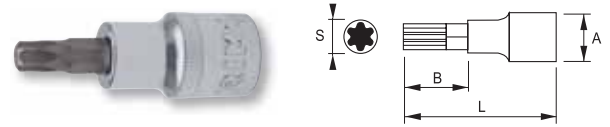


- Hexagonal bit driver
- Standard: DIN3120 / ISO 1174

R	Icon	Icon	A mm	B mm	L mm	g
180-04-1	5	4	21,8	22	60	70
180-05-1	5	5	21,8	22	60	71
180-06-1	5	6	21,8	22	60	72
180-07-1	5	7	21,8	22	60	72
180-08-1	5	8	21,8	22	60	73
180-10-1	5	10	21,8	22	60	81
180-12-1	5	12	21,8	22	60	89
180-14-1	5	14	21,8	22	60	96
180-17-1	5	17	23,8	22	60	100

R	Icon	Icon	A mm	B mm	L mm	g
180-05X-1	5	5	21,8	62	100	89
180-06X-1	5	6	21,8	62	100	90
180-07X-1	5	7	21,8	62	100	91
180-08X-1	5	8	21,8	62	100	91
180-10X-1	5	10	21,8	62	100	109
180-12X-1	5	12	21,8	62	100	130

## 1/2" BIT DRIVER, TORX®



- TORX® Bit driver
- Standard: DIN3120 / ISO 1174

R	Icon	Icon	S mm	A mm	B mm	L mm	g
183-20-1	5	T20	3,84	21,8	22	60	69
183-25-1	5	T25	4,40	21,8	22	60	69
183-27-1	5	T27	4,96	21,8	22	60	70
183-30-1	5	T30	5,49	21,8	22	60	70
183-40-1	5	T40	6,60	21,8	22	60	70
183-45-1	5	T45	7,77	21,8	22	60	70
183-50-1	5	T50	8,79	21,8	22	60	71
183-55-1	5	T55	11,17	21,8	22	60	76
183-60-1	5	T60	13,20	21,8	22	60	81

R	Icon	Icon	S mm	A mm	B mm	L mm	g
183-40X-1	5	T40	6,60	21,8	82	120	95
183-45X-1	5	T45	7,77	21,8	82	120	96
183-50X-1	5	T50	8,79	21,8	82	120	98
183-55X-1	5	T55	11,17	21,8	102	140	117

## 1/2" HEX BIT DRIVERS SOCKET SET



- 9 pcs bit driver set 1/2"
- Metric hexagonal bits
- Bright chrome socket
- Black finish bit
- Standard: DIN3120 / ISO 1174
- Box in high density polyethylene

R	Icon	pcs.	Icon	g
129-9H-4	1	9	55x200x160	1.080

180 4, 5, 6, 7, 8, 10, 12, 14, 17 mm

## 1/2" TORX® BIT DRIVER SOCKET SET

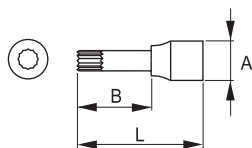


- 9 pcs bit driver set 1/2"
- TORX® bits
- Bright chrome socket
- Black finish bit
- Standard: DIN3120 / ISO 1174
- Box in high density polyethylene

R	Icon	pcs.	Icon	g
129-9T-4	1	9	55x200x160	1.140

183 T20, 25, 27, 30, 40, 45, 50, 55, 60

### 1/2" BIT DRIVER, XZN



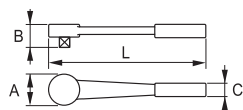
- XZN Bit driver
- Standard: DIN3120 / ISO 1174

Q	Icon	Icon	A mm	B mm	L mm	g
185-05-1	5	M 5	21,8	22	60	67
185-06-1	5	M 6	21,8	22	60	69
185-08-1	5	M 8	21,8	22	60	69
185-10-1	5	M 10	21,8	22	60	77
185-12-1	5	M 12	21,8	22	60	85
185-14-1	5	M 14	21,8	22	60	90
185-16-1	5	M 16	21,8	22	60	95

Q	Icon	Icon	A mm	B mm	L mm	g
185-06X-1	5	M 6	21,8	62	100	87
185-08X-1	5	M 8	21,8	62	100	89
185-10X-1	5	M 10	21,8	62	100	105
185-12X-1	5	M 12	21,8	62	100	123

### 1/2" accessories

#### 1/2" REVERSIBLE RATCHET



- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN3122, DIN3120

Q	Icon	A mm	B mm	C mm	L mm	g
125-70-1	5	42	41	36	262	591

#### RATCHET EXHIBITOR WITH 12 1/2" RATCHETS

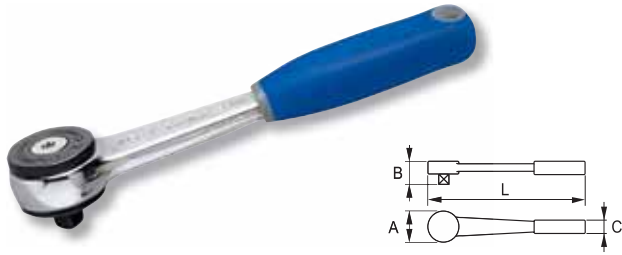


- Reversible ratchet
- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN3122, DIN3120
- The exhibitor is sold only complete
- Use part number 125-70-1 to order individual ratchets

Q	Icon	pcs.	Icon	g
125-70-12DISP	1	12	225x295x220	7.852

1/2" accessories

1/2" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN3122, DIN3120, ISO3315, UNE16512

R		A mm	B mm	C mm	L mm	g
125501	1	39	41	30	251	614

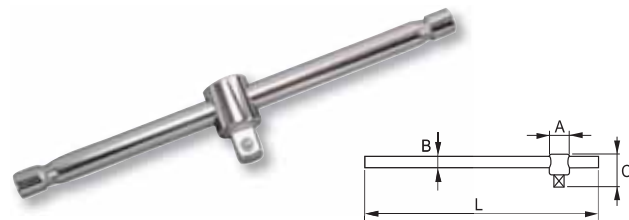
1/2" EXTENSIONS



- Standards: DIN3120, DIN3122

R		A mm	B mm	L mm	g
125-22-1	5	22,4	15,7	75	120
125-23-1	5	22,4	15,7	125	193
125-25-1	5	22,4	15,7	250	380

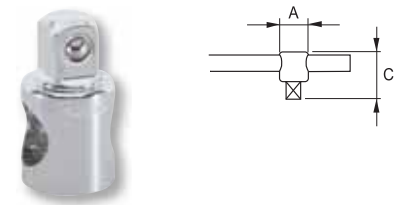
1/2" SLIDING T-HANDLE



- Standards: DIN3120, DIN3122

R		A mm	B mm	C mm	L mm	g
125-42-1	5	23,5	13,5	45	250	272

1/2" T-HANDLE HEAD



- Sliding T handle head
- Standard: DIN3120

R		A mm	C mm	g
125-43-1	5	24,0	44	73

1/2"-3/8" REDUCING ADAPTOR



- Reducing adaptor 1/2" to 3/8"
- Standards: DIN3120, DIN3122

R		A mm	L mm	g
125-46-1	5	22,0	35,5	45

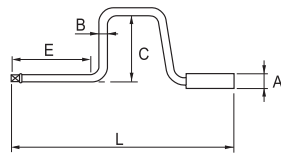
1/2"-3/4" INCREASING ADAPTOR



- Increasing adaptor 1/2" to 3/4"
- Standards: DIN3120, DIN3122

R		A mm	L mm	g
125-44-1	5	25,0	50,0	140

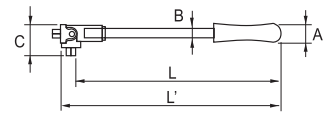
1/2" SPEED BRACE



• Standards: DIN3120, DIN3122

R	Icon	A mm	B mm	C mm	E mm	L mm	g
125-49-1	5	31,0	12,7	75	152	420	575

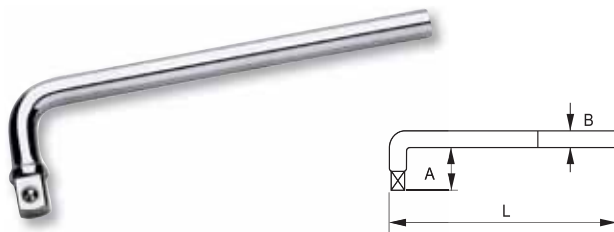
1/2" SWIVEL HANDLE



• Standard: DIN3120

R	Icon	L' mm	L mm	A mm	B mm	C mm	g
125-52-1	5	375	355,0	35	12	40	692

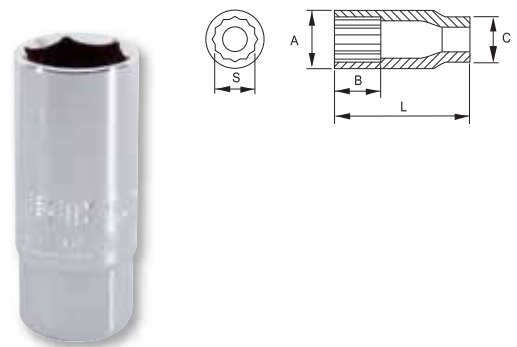
1/2" L-HANDLE



• Standards: DIN3120, DIN3122

R	Icon	A mm	B mm	L mm	g
125-60-1	5	46	14	250	456

1/2" SPARK PLUG SOCKET



R	Icon	S mm	A mm	B mm	C mm	L mm	g
125-53-1	5	5/8" - 16	22,0	32,0	22,0	65,0	90
125-54-1	5	13/16" - 21	28,0	31,0	24,0	65,0	146

1/2" UNIVERSAL JOINT



• Standards: DIN3120, DIN3122

R	Icon	A mm	L mm	g
125-40-1	5	23,8	72,0	146

1/2" BIT HOLDER



• 1/2" female square to 5/16" female hex  
• Standard: DIN3120

R	Icon	A mm	L mm	g	
125-48-1	5	5/16"	17,0	38,5	56

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# 1/2" socket set

## 1/2" SOCKET SET, HEXAGONAL AND METRIC



- 12 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Hang sell presentation
- Desktop display including 8 sets

R	pcs.	mm	g	
129-12-4	8	12	330x100x50	1.600
121			10, 12, 13, 14, 16, 17, 19, 21, 22, 24 mm	
125-70-1				
125-23-1			125 mm	

## 1/2" SOCKET SET, HEXAGONAL AND METRIC

1/2"  
12.5 mm



- 23 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

R	pcs.	mm	g	
129-23-4	1	23	320x250x75	3.500
121			8, 10, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm	
125-70-1				
125-25-1			250 mm	
125-23-1			125 mm	
125-40-1				
125-43-1				

## 1/2" SOCKET SET, HEXAGONAL AND METRIC

1/2"  
12.5 mm



- 33 pcs sockets and wrenches set
- Hex sockets, metric sizes
- Combination wrenches, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

R	pcs.	mm	g	
129-33W-4	1	33	320x250x75	5.020
121			8, 10, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm	
125-70-1				
125-25-1			250 mm	
125-23-1			125 mm	
125-43-1				
125-40-1				
25			8, 9, 10, 11, 12, 13, 14, 15, 17, 19 mm	



1/2" SOCKET SET, HEXAGONAL AND METRIC

1/2"  
12.5 mm



NPP drives the bolt on the sides and not on the corners

- 33 pcs sockets and gear wrenches set
- Hex sockets, metric sizes
- Gear combination wrenches, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

Part No.	Icon	Qty	Unit	Dimensions	Weight
129-33GW-4		1	33	320x250x75	5.320
121				8, 10, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm	
125-70-1					
125-25-1				250 mm	
125-23-1				125 mm	
125-43-1					
125-40-1					
18				8, 9, 10, 11, 12, 13, 14, 15, 17, 19 mm	

1/2"-1/4" SOCKET SET, HEXAGONAL AND METRIC

1/4" 1/2"  
6.3 mm 12.5 mm



NPP drives the bolt on the sides and not on the corners

- 58 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

Part No.	Icon	Qty	Unit	Dimensions	Weight
129-58-4		1	58	380x280x80	4.750
101				4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm	
121				8, 10, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm	
040				1.5, 2, 2.5 mm	
105-48-1				1/4" - 1/4"	
475-PH				1/4" PH-1, PH-2, PH-3	
475-PZ				1/4" PZ-1, PZ-2, PZ-3	
475-				1/4" SL 3, 4, 5.5 mm	
475-H				1/4" Hex 3, 4, 5, 6 mm	
105-70-1				125-70-1	
105-42-1				125-43-1	
105-22-1 2"				125-23-1 5"	
105-24-1 5"				125-25-1 10"	
105-40-1				125-40-1	
105-50-1					

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# 1/2" socket set

## 1/2"-1/4" SOCKET SET, HEXAGONAL

1/4" 6.3 mm 1/2" 12.5 mm



NPP drives the bolt on the sides and not on the corners

## 1/2"-1/4" SOCKET SET, HEXAGONAL AND METRIC

1/4" 6.3 mm 1/2" 12.5 mm



NPP drives the bolt on the sides and not on the corners

- 53 pcs socket set
- Hexagonal sockets, AF
- Bright chrome plating finish
- DIN3120, DIN3124, DIN3122
- Box in high density polyethylen
- Box with metal locks

- 101 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

Part No.	Icon	pcs.	Dimensions	Weight	
129A-53-4		1	53	380x280x80	4.750
101A			5/32", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" AF		
122A			5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1.1/16", 1. 3/16", 1.1/4 AF		
040			1.5, 2, 2.5 mm		
105-48-1			1/4" - 1/4"		
475-PH			1/4" PH-1, PH-2, PH-3		
475-PZ			1/4" PZ-1, PZ-2, PZ-3		
475-			1/4" SL 3, 4, 5.5 mm		
475-H			1/4" Hex 1/8", 5/32", 3/16", 7/32" AF		
105-70-1			125-70-1		
105-42-1			125-43-1		
105-22-1			125-23-1		
105-24-1			125-25-1		
105-40-1			125-40-1		
105-50-1					

Part No.	Icon	pcs.	Dimensions	Weight	
129-101-4		1	101	380x280x80	7.000
101			4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm		
121			8, 10, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm		
103			6, 7, 8, 10, 11, 12, 13, 14 mm		
124			13, 17, 19, 22 mm		
107-T			T8, T10, T15, T20, T25, T30		
107-H			3, 4, 5, 6 mm		
107-PH			PH-1, PH-2		
107-PZ			PZ-1, PZ-2		
107-SL			4, 5.5, 8 mm		
040			1.5, 2, 2.5 mm		
105-48-1			1/4" - 1/4"		
475-T			1/4" T 10, 15, 20, 25, 27, 30		
475-H			1/4" Hex 3, 4, 5 mm		
125-48-1			1/2"-5/16"		
470-T			5/16" T 30, 40, 45, 50, 55, 60		
470-H			5/16" Hex 6, 7, 8, 10, 12, 14 mm		
470			5/16" SL8, 10, 12 mm		
105-70-1			125-70-1		
105-42-1			125-43-1		
105-50-1			105-28-1		
105-22-1			125-23-1		
105-24-1			125-25-1		
105-40-1			125-40-1		

1/2"-1/4" SOCKET SET, HEXAGONAL

1/4" 6.3 mm    1/2" 12.5 mm



NPP drives the bolt on the sides and not on the corners



- 103 pcs socket set, AF sizes
- Bright chrome plating finish
- DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks

Part No.	Qty	Pcs.	Dimensions	Weight
129A-103-4	1	103	380x280x80	7.000

101A			5/32", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
103A			3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"
106			E-4, E-5, E-6, E-7, E-8
122A			5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1.1/16", 1.3/16", 1.1/4"
124A			9/16", 5/8", 11/16", 3/4", 13/16"
126			E-10, E-11, E-12, E-14, E-16, E-18, E-20, E-24
125			5/8", 13/16"
107-T			T8, T10, T15, T20, T25, T27, T30
107A			1/8", 5/32", 3/16", 7/32"
107-PH			PH-1, PH-2
107-PZ			PZ-1, PZ-2
107SL			0.8, 1.0, 1.2 mm
040			1.5, 2, 2.5 mm
470-PH			5/16" PH-3, PH-4
470-PZ			5/16" PZ-3, PZ-4
125-48-1			1/2"-5/16"
470-T			5/16" T 40, 45, 50, 55, 60
470-H			5/16" Hex 7, 8, 10, 12, 14 mm
470			5/16" SL8, 10, 12 mm
105-70-1			125-70-1
105-42-1			125-43-1
105-50-1			105-24-1
105-22-1			5"
105-23-1			125-25-1
4"			10"
105-40-1			125-40-1

1/2"-1/4" SOCKET SET, HEXAGONAL AND METRIC

1/4" 6.3 mm    1/2" 12.5 mm



NPP drives the bolt on the sides and not on the corners



- 108 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated, bright finish
- Standards: DIN3120, DIN3124, DIN3122, ISO10102
- Box in high density polyethylene
- Box with metal locks

Part No.	Qty	Pcs.	Dimensions	Weight
129-108-4	1	108	380x280x80	7.100

121			10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32 mm
124			14, 15, 17, 19, 22 mm
126			E10, E11, E12, E14, E16, E18, E20, E24
125-70-1			
125			125, 250 mm
105-40-1			
125-43-1			
125			16, 21 mm
125-48-1			1/2" - 5/16"
470-T			5/16" T40, T45, T50, T55, T60
470-H			5/16" H7, H8, H10, H12, H14 mm
470-PH			5/16" PH-3, PH-4
470-PZ			5/16" PZ-3, PZ-4
470			5/16" SL 8, 10, 12 mm
101			4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
103			6, 7, 8, 9, 10, 11, 12, 13 mm
107-T			T8, T10, T15, T20, T25, T27, T30
107-H			H3, H4, H5, H6 mm
107-PH			PH-1, PH-2
107-PZ			PZ-1, PZ-2
107-SL			4, 5.5, 7 mm
106			1/4", E4, 5, 6, 7, 8
105-70-1			
105-42-1			
105-50-1			
105			50, 100 mm
105-40-1			
045			1.5, 2, 2.5 mm

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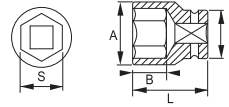
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# 3/4" sockets

## 3/4" SOCKETS

3/4"  
20 mm



NPP drives the bolt on the sides and not on the corners

- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Hexagonal
- Wave shape profile NPP
- Standards: DIN3124, DIN3120

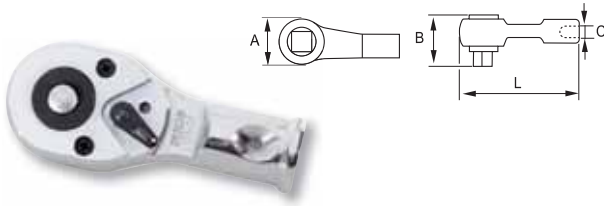
- Bi Hexagonal

R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
131-19-1	1	19	30	12	36	50	200
131-21-1	1	21	32	12	36	50	215
131-22-1	1	22	33	12	36	50	215
131-23-1	1	23	34	14	36	50	215
131-24-1	1	24	34	16	36	50	215
131-25-1	1	25	38	16	36	50	220
131-26-1	1	26	38	16	36	52	220
131-27-1	1	27	38	18	36	52	240
131-28-1	1	28	38	18	36	52	250
131-29-1	1	29	42	18	38	52	260
131-30-1	1	30	42	20	38	52	275
131-32-1	1	32	44	22	38	52	310
131-33-1	1	33	46	22	38	55	340
131-34-1	1	34	46	22	38	57	330
131-35-1	1	35	48	24	42	57	380
131-36-1	1	36	50	24	42	57	415
131-38-1	1	38	52	26	44	57	455
131-40-1	1	40	56	27	44	63	505
131-41-1	1	41	56	27	44	63	545
131-42-1	1	42	58	27	44	63	600
131-46-1	1	46	62	30	44	68	650
131-50-1	1	50	68	33	44	72	755
131-55-1	1	55	75	36	48	75	1.000
131-60-1	1	60	80	39	48	77	1.100

R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
132A-28-1	1	7/8"	33	12	36	50	215
132A-30-1	1	15/16"	35	16	36	50	215
132A-32-1	1	1"	38	16	36	52	200
132A-34-1	1	1.1/16	38	18	36	54	240
132A-36-1	1	1.1/8"	42	18	38	55	280
132A-40-1	1	1.1/4"	44	22	38	55	310
132A-42-1	1	1.5/16"	46	22	38	57	340
132A-44-1	1	1.3/8"	48	24	42	57	380
132A-46-1	1	1.7/16"	50	24	42	57	415
132A-48-1	1	1.1/2"	52	26	44	57	455
132A-52-1	1	1.5/8"	56	27	44	63	545
132A-54-1	1	1.11/16"	58	27	44	63	600
132A-60-1	1	1.7/8"	65	30	44	68	700
132A-64-1	1	2"	68	33	44	72	755

## 3/4" accessories

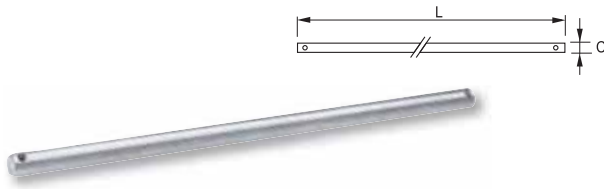
### 3/4" REVERSIBLE RATCHET HEAD



- 24 Teeth
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- Standards: DIN3120, DIN3122

Q		A mm	B mm	C mm	L mm	g
135-70-1	1	65	61,5	20	155	1.360

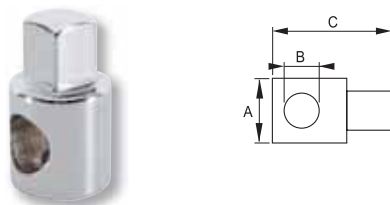
### 3/4" RATCHET HANDLE



- Ratchet handle

Q		C mm	L mm	g
135-85-1	1	20	450	1.100

### SLIDING T HANDLE HEAD



- Ball retaining system

Q		A mm	B mm	C mm	g
135-43-1	1	35	20,5	60	235

### 3/4"-1/2" REDUCING ADAPTOR



- Reducing adaptor 3/4" to 1/2"
- Ball retaining system

Q		A mm	L mm	g
135-46-1	1	36	54	260

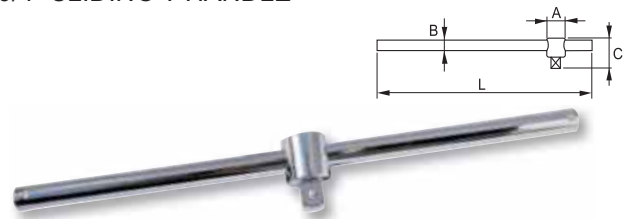
### 3/4" EXTENSIONS



- Ball retaining system

Q		A mm	B mm	L mm	g
135-21-1	1	36	23	125	515
135-22-1	1	36	23	200	725
135-24-1	1	36	23	400	1.350

### 3/4" SLIDING T-HANDLE



- Ball retaining system

Q		A mm	B mm	C mm	L mm	g
135-42-1	1	36	20	60	450	1.335

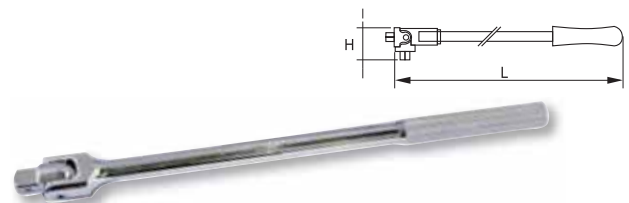
### 3/4" UNIVERSAL JOINT



- Ball retaining system

Q		A mm	L mm	g
135-40-1	1	40	108	540

### 3/4" SWIVEL HANDLE



- Ball retaining system

Q		H mm	L mm	g
135-52-1	1	40	450	1.700

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### 3/4" socket set

#### 3/4" SOCKET SET, METRIC

3/4"  
20 mm



NPP drives the bolt on the sides and not on the corners

- 17 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX17
- Two spare locks 3/4": SP104S

Part No.	Box	pcs.	Box Size	Weight
139-17-4	1	17	475x295x100	12.500
131			22, 24, 27, 30, 32, 33, 34, 36, 38, 41, 46, 50 mm	
135-70-1			135-24-1	
135-85-1			135-43-1	
135-22-1				

#### 3/4" SOCKET SET, METRIC

3/4"  
20 mm



NPP drives the bolt on the sides and not on the corners

- 21 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX21

Part No.	Box	pcs.	Box Size	Weight
139-21-4	1	21	475x295x100	11.900
131			19, 21, 22, 23, 24, 26, 27, 29, 30, 32, 35, 36, 38, 41, 46, 50 mm	
135-70-1			135-24-1	
135-85-1			135-43-1	
135-22-1				

#### 3/4" SOCKET SET, METRIC

3/4"  
20 mm



- 21 pcs socket set
- Bihexagonal sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome plated bright finish
- Standards: DIN3120, DIN3124, DIN3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX21
- Spare socket part number: SP-106S-XX (XX IS SIZE in mm)

Part No.	Box	pcs.	Box Size	Weight
139-21B-4	1	21	475x295x100	11.900
131B			19, 21, 22, 23, 24, 26, 27, 29, 30, 32, 35, 36, 38, 41, 46, 50 mm	
135-70-1			135-24-1	
135-85-1			135-43-1	
135-22-1				



## Stand alone

MEE-SA-SS-IR



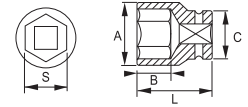
- Material: metal and plastic
- Color: black and green
- The display can be used to expose 3 different socket sets: small - medium - big
- The following socket sets can be exposed:
  - Small socket set (109-35-4)
  - Medium socket set (119-18-4 or 129-23-4)
  - Big socket set (129-58-4 or 129-101-4)
- Includes 3 wall racks with a methacrylate cover
- MEE-SA-SS-IR: Delivered already mounted & empty

R	Q	W	S	A	B	C	L	g
MEE-SA-SS-IR	1		1835x455x380					

## 3/8" impact sockets

3/8" IMPACT HEXAGONAL SOCKETS, METRIC

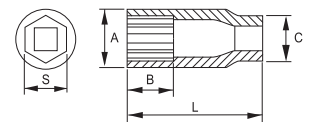
3/8"  
10 mm



- Standards: UNE 16507, ISO2725, DIN3129

R	Q	W	S	A	B	C	L	g
160-07-1	1	7	12,6	13	19	32	39	
160-08-1	1	8	14	13	19	32	39	
160-10-1	1	10	15,8	13	19	32	40	
160-11-1	1	11	16,9	13	19	32	41	
160-12-1	1	12	18,2	13	19	32	41	
160-13-1	1	13	19,5	13	22	32	54	
160-14-1	1	14	20,5	13	22	32	54	
160-15-1	1	15	22	16	22	32	54	
160-16-1	1	16	24	16	22	32	57	
160-17-1	1	17	25	17	22	34	67	
160-18-1	1	18	26	17	22	34	67	
160-19-1	1	19	28	17	22	34	71	
160-20-1	1	20	28	17	22	34	79	
160-21-1	1	21	30	17	22	34	80	
160-24-1	1	24	34	17	22	34	102	

## 3/8" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC

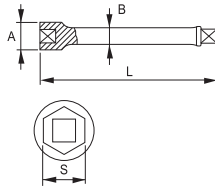


R	Q	W	S	A	B	C	L	g
161-10-1	1	10	15,9	10	19	63	77	
161-13-1	1	13	19,7	10	19	63	96	
161-17-1	1	17	24,5	11	22	63	184	

# 3/8" impact accessories

## 3/8" EXTENSIONS

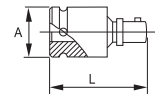
3/8"  
10 mm



- Standards: DIN16503, ISO1174

R	Icon	A mm	B mm	L mm	g
162-00-1	1	19	12,5	75	99
162-02-1	1	19	12,5	150	159

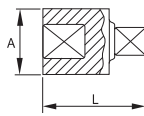
## 3/8" UNIVERSAL JOINT



- Standard: DIN16503, ISO1174

R	Icon	A mm	L mm	g
162-50-1	1	22	50	124

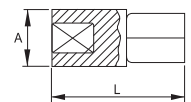
## 3/8"-1/4" REDUCING ADAPTOR



- 3/8" to 1/4" reducing adaptor
- Standards: DIN16503, ISO1174
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

R	Icon	A mm	L mm	g
162-65-1	1	19	28	57

## 3/8"-1/2" INCREASING ADAPTOR



- 3/8" to 1/2" increasing adaptor
- Standards: DIN16503, ISO1174

R	Icon	A mm	L mm	g
162-60-1	1	22	36	96

## SAFETY SPRINGS



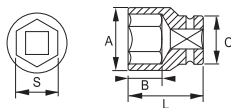
- 3/8" safety rings

R	Icon	Circle	Circle	Circle	g
162931	1	3/8"	7-12	E5-E14	2
162941	1	3/8"	13-24		2

# 1/2" impact sockets

## 1/2" IMPACT HEXAGONAL SOCKETS, METRIC

1/2"  
12.5 mm



## 1/2" IMPACT SOCKET RAIL SET



• Standards: UNE 16507, ISO2725, DIN3129

R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
167-08-1	1	8	15	15	25	38	84
167-10-1	1	10	17,5	15	25	38	89
167-12-1	1	12	19	15	25	38	94
167-13-1	1	13	20	15	25	38	94
167-14-1	1	14	22	15	25	38	94
167-15-1	1	15	23	15	25	38	134
167-16-1	1	16	24	15	25	38	134
167-17-1	1	17	26	15	30	38	134
167-18-1	1	18	27	15	30	38	134
167-19-1	1	19	28	17,5	30	38	134
167-20-1	1	20	29	17,5	30	38	137
167-21-1	1	21	30	17,5	30	38	149
167-22-1	1	22	32	17,5	30	38	149
167-23-1	1	23	34	18	30	40	149
167-24-1	1	24	34	18	30	40	179
167-26-1	1	26	36	22	30	42	189
167-27-1	1	27	38	22	30	42	204
167-30-1	1	30	42	22	30	44	234
167-32-1	1	32	44	22	40	44	282
167-34-1	1	34	46	22	40	48	406
167-36-1	1	36	48	22	40	48	467

R	Icon	pcs.	g
167-91-2	1	5	17 - 19 - 22 - 24 - 27 mm 835
167-90-2	1	9	8 - 10 - 12 - 14 - 17 - 19 - 22 - 24 - 27 mm 1.180

## 1/2" IMPACT SOCKET SET



- Set 10 impact socket
- Strong blow moulded case
- Hex sockets
- Black finish
- Standards: ISO2725, DIN3129
- Plastic box in high density polyethylene

R	Icon	pcs.	g
167-10-4	1	10	200x160x52 1.425

167 10, 13, 14, 16, 17, 18, 19, 21, 22, 24 mm

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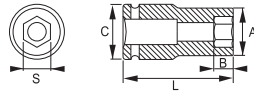
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## 1/2" impact sockets

### 1/2" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



R	Icon	S mm	A mm	B mm	C mm	L mm	g
168-10-1	1	10	17,5	24	25	78	118
168-11-1	1	11	18	24	25	78	121
168-13-1	1	13	20	24	25	78	163
168-14-1	1	14	22	37	25	78	190
168-16-1	1	16	24	37	25	78	239
168-17-1	1	17	26	37	30	78	239
168-18-1	1	18	27	37	30	78	239
168-19-1	1	19	28	39	30	78	246
168-21-1	1	21	30	39	30	78	267
168-22-1	1	22	32	39	30	78	328
168-23-1	1	23	34	39	30	78	348
168-24-1	1	24	34	39	30	78	351
168-27-1	1	27	38	39	30	78	373
168-30-1	1	30	42	39	30	78	409

### 1/2" IMPACT SOCKET RAIL SET



R	Icon	pcs.	g	
168-90-2	1	7	10 - 13 - 17 - 19 - 22 - 24 - 27 mm	1.735

### SAFETY SPRINGS



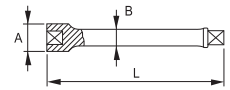
- 1/2" safety rings

R	Icon	Icon	Icon	Icon	Icon	g	
169921	1	1/2"	10-14	E10-E18	5-10	T25-T-0	2
169931	1	1/2"	15-36	E20-E24	12-19		2

## 1/2" impact accessories

### 1/2" EXTENSIONS

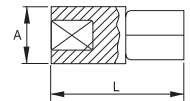
1/2" 12.5 mm



- Standards: DIN16503, ISO1174

R	Icon	L mm	A mm	B mm	g
169-03-1	1	75	25	16,5	139
169-01-1	1	125	25	16,5	274
169-02-1	1	250	25	16,5	484

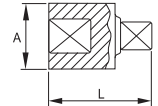
### 1/2"-3/4" INCREASING ADAPTOR



- 1/2" to 3/4" increasing adaptor
- Standards: DIN16503, ISO1174

R	Icon	A mm	L mm	g
169-60-1	1	30	48	114

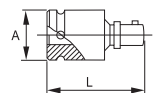
### 1/2"-3/8" REDUCING ADAPTOR



- 1/2" to 3/8" reducing adaptor
- Standards: ISO1174, DIN16503
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

R	Icon	A mm	L mm	g
169-65-1	1	25	38	129

### 1/2" UNIVERSAL JOINT



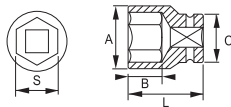
- Standards: DIN16503, ISO1174

R	Icon	A mm	L mm	g
169-25-1	1	30	63	189

## 3/4" impact sockets

### 3/4" IMPACT HEXAGONAL SOCKETS, METRIC

3/4"  
20 mm



- Standards: UNE 16507, ISO2725, DIN3129

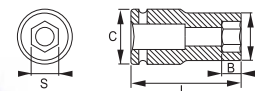
R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
173-17-2	1	17	30	21	44	51	339
173-18-2	1	18	32	21	44	51	339
173-19-2	1	19	33	21	44	51	349
173-21-2	1	21	35	21	44	51	359
173-22-2	1	22	36	21	44	51	359
173-23-2	1	23	37	21	44	51	369
173-24-2	1	24	38	21	44	51	379
173-27-2	1	27	41	21	44	51	399
173-28-2	1	28	42	23	44	51	409
173-29-2	1	29	45	23	44	51	409
173-30-2	1	30	46	23	44	51	439
173-32-2	1	32	48	27	44	57	469
173-33-2	1	33	50	27	44	57	489
173-34-2	1	34	51	27	44	57	509
173-36-2	1	36	53	27	44	57	519
173-38-2	1	38	56	27	44	57	559
173-41-2	1	41	59	28	44	58	659
173-46-2	1	46	66	30	44	62	709
173-50-2	1	50	71	32	54	65	839
173-55-2	1	55	77	37	54	70	1109
173-60-2	1	60	84	37	54	70	1200

### 3/4" IMPACT SOCKET SET, IN METAL BOX



R	Icon	pcs.	g	
173-01-5	1	8	24, 27, 29, 30, 32, 34, 36, 38 mm	4.000

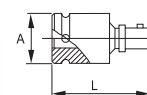
### 3/4" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



R	Icon	S	A	B	C	L	g
		mm	mm	mm	mm	mm	
174-17-2	1	17	30	23	44	90	560
174-19-2	1	19	33	23	44	90	600
174-21-2	1	21	35	23	44	90	680
174-22-2	1	22	36	23	44	90	700
174-24-2	1	24	38	23	44	90	750
174-27-2	1	27	41	23	44	90	800
174-30-2	1	30	46	27	44	90	898
174-32-2	1	32	48	27	44	90	957
174-33-2	1	33	50	27	44	90	1010
174-34-2	1	34	51	27	44	90	1030
174-36-2	1	36	55	27	44	90	1084
174-41-2	1	41	59	28	44	90	1270

## 3/4" impact accessories

### 3/4" UNIVERSAL JOINT



- Standards: DIN16503, ISO1174

R	Icon	A	L	g
		mm	mm	
175-25-2	1	42	92	580

### SAFETY SPRINGS



- 3/4" safety rings

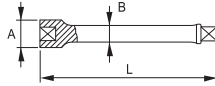
R	Icon	g
175911	1	3/4" 17-46 12-24 2
179931	1	3/4" 50-60 2



### 3/4" impact accessories

#### 3/4" EXTENSIONS

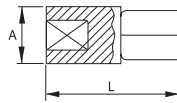
3/4"  
20 mm



Standards: DIN16503, ISO1174

R	Icon	L mm	A mm	B mm	g
175-01-2	1	175	44	21	850
175-10-2	1	250	44	21	1190
175-02-2	1	325	44	21	1460

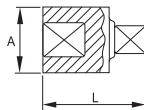
#### 3/4"-1" INCREASING ADAPTOR



3/4" to 1" increasing adaptor  
Standards: DIN16503, ISO1174

R	Icon	A mm	L mm	g
175-60-2	1	44	63	410

#### 3/4"-1/2" REDUCING ADAPTOR



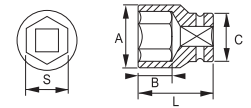
3/4" to 1/2" reducing adaptor  
Standards: DIN16503, ISO1174  
Due to the special working conditions of this adaptor, it is not guaranteed against male failure

R	Icon	A mm	L mm	g
175-65-2	1	44	57	350

### 1" impact sockets

#### 1" IMPACT HEXAGONAL SOCKETS, METRIC

1"  
25 mm



Standards: UNE 16507, ISO2725, DIN3129

R	Icon	S mm	A mm	B mm	C mm	L mm	g
177-22-2	1	22	39	22	54	58	645
177-24-2	1	24	41	22	54	58	650
177-27-2	1	27	46	22	54	58	670
177-30-2	1	30	49	24	54	62	680
177-32-2	1	32	52	24	54	62	695
177-33-2	1	33	54	24	54	62	695
177-34-2	1	34	54	24	54	62	720
177-36-2	1	36	56	29	54	65	800
177-38-2	1	38	58	29	54	65	845
177-41-2	1	41	61	34	54	70	920
177-42-2	1	42	64	34	54	70	950
177-46-2	1	46	68	36	54	75	1150
177-50-2	1	50	73	36	54	75	1375
177-55-2	1	55	79	44	54	83	1540
177-60-2	1	60	86	47	54	87	1700
177-65-2	1	65	92	47	54	90	1940
177-70-2	1	70	97	47	54	93	2450
177-75-2	1	75	104	47	86	95	2900
177-80-2	1	80	110	39	86	100	3300

#### 1" IMPACT SOCKET SET, IN METAL BOX



R	Icon	pcs.	g
177-10-5	1	7	24, 27, 30, 32, 33, 36, 38 mm



### 1" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



			S mm	A mm	B mm	C mm	L mm	
178-22-2	1		22	39	23	54	90	975
178-24-2	1		24	42	23	54	90	1016
178-27-2	1		27	46	23	54	90	1134
178-30-2	1		30	49	24	54	90	1256
178-32-2	1		32	52	24	54	90	1297
178-33-2	1		33	54	24	54	92	1311
178-34-2	1		34	54	24	54	92	1350
178-36-2	1		36	56	29	54	92	1474
178-38-2	1		38	58	29	54	92	1479
178-41-2	1		41	61	34	54	92	1533
178-46-2	1		46	68	36	54	95	1710
178-50-2	1		50	73	36	54	95	1896
178-55-2	1		55	79	44	54	100	2155
178-60-2	1		60	86	47	54	100	2372

### 1" impact accessories

#### 1" EXTENSIONS

1"  
25 mm



- Standards: DIN16503, ISO1174

		L mm	A mm	B mm	
179-00-2	1	125	54	34	1085
179-01-2	1	175	54	34	1390
179-02-2	1	325	54	34	2395

#### SAFETY SPRINGS



- 1" safety rings

179931	1	1"	19-70	17-27	9
179941	1	1"	75-80		13

#### 1"-3/4" REDUCING ADAPTOR



- 1" to 3/4" reducing adaptor
- Standards: DIN16503, ISO1174
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

		A mm	L mm	
179-65-2	1	54	70	350

#### 1" UNIVERSAL JOINT



- Standards: DIN16503, ISO1174

		A mm	L mm	
179-52-2	1	54	120	650



**HEXAGONAL FEMALE SCREWS**

mm	mm.					U.S.A.			G.B.	
	DIN 912 DIN 6912	DIN 7984	DIN 7991	DIN 913-916	USAS B 18-3-1969			BS 2470-1954		
1,5	1,6-2		2,5	3	1/16	1,59	N° 1			
2	2,5	3	3	4	5/64	1,98	N° 2-N° 3			
2,5	3		4	5	3/32	2,38	N° 4-N° 5			
3	4	5	5	6	7/64	2,78	N° 6			
4	5	6	6	8	1/8	3,17				
5	6	8	8	10	9/64	3,57	N° 8	N° 10	1/4	
6	8		10	12	5/32	3,97	N° 10	1/4	5/16	
7		10	12	16	3/16	4,75		5/16	3/8	
8	10		12	16	7/32	5,55		1/4	3/8	
9					1/4	6,35	5/16	7/16	1/2	
10	12	14	14-16	20	5/16	7,94	3/8	1/2	5/8	
12	14	16-18	18-20	24	3/8	9,52	7/16-1/2	5/8	3/4	
14	16-18	20-22			1/2	12,70	5/8	3/4	7/8	
17	20-22	24			9/16	14,29		7/8	1-1 1/8	
19	24-27				5/8	15,88	3/4	1	1 1/4-1 3/8	
22	30				3/4	19,05	7/8-1	1 1/8	1 1/2	

**THREAD DIAMETERS AND DIAMETER/KEYS**

mm	mm.					UNIFIED			U.S.A.			G.B.		
	ISO 272 1982	UNE 17052 1978	DIN 931 1970	NFE 27111 1930	DS 2074-5 1968	BS 1769	BS 1768	BS 1768	ASA B 18.2.2 ASA B 18.2.1	ASA B 18.2.1	ASA B 18.2.2	BS 916-1083	BA BS 57W BS 192	
3,2					3/32"							0,117	2,97	
3,5	1,6	1,6	1,6		1/8"							0,131	3,32	10 BA
4				2,5								0,152	3,86	9 BA
4,5	2	2	2	3	5/32"								4,37	7 BA
5	2,5	2,5	2,3	3	3/16"							0,172	4,90	6 BA
5,5	3	3	2,6									0,220	5,59	5 BA
6				4-4,5	7/32"							0,248	6,30	4 BA
7	4	4	3,5	5	1/4"							0,282	7,16	3 BA
8					9/32"							0,324	8,23	2 BA
9	5	5	4	5,5	5/16"							0,340	8,64	1/8 W
					11/32"							0,365	9,27	1 BA
10					3/8"							0,413	10,49	0 BA
11	6	6	6	6	1/4"	7/16"	11,11	1/4"	1/4"	1/4"	1/4"	0,445	11,30	1/4"
12	7	7	7	7										3/16 W
13					1/2"	12,70		1/4"	5/16"	5/16"	1/4"	5/16"	5/16"	5/16"
14	8	8	8	8	9/16"	14,29		5/16"	3/8"	3/8"	5/16"	3/8"	3/8"	13,34
15					19/32"	15,08						0,600	15,24	3/8"
16														5/16 W
17	10			9	5/8"	15,88								
18	12	10	10	10	3/8"			7/16"			7/16"		0,710	18,03
19					11/16"	17,46	3/8"	7/16"	3/8"		7/16"		0,710	18,03
21	12	12	12	11	7/16"	19,05		7/16"	1/2"	7/16"	1/2"	0,820	20,83	7/16 W
22	14	14	14	12	1/2"	22,22	1/2"	9/16"	1/2"	1/2"	9/16"	0,820	20,83	1/2"
23														7/16 W
24				14									0,920	23,37
26	16	16	16	16	15/16"	23,81	5/8"	5/8"	9/16"	5/8"	5/8"	1,010	25,65	9/16 W
27					1"	25,40								1/2 W
28														9/16 W
29	18	18	18	18	1 1/16"	26,99	5/8"		5/8"			1,100	27,94	5/8 W
30					1 1/8"	28,58								
32	20	20	20	20	1 3/16"	30,16						1,200	30,48	1 1/8 W
34	22	22	22	20	1 1/4"	31,75	3/4"					1,300	33,02	3/4 W
35					1 5/16"	33,34		7/8"	7/8"	3/4"	7/8"	1,390	35,31	15/16 W
36					1 3/8"	34,92								13/16 W
38	24	24	24	24	1 7/16"	36,51	7/8"	1"	7/8"	1"	1"	1,480	37,59	7/8 W
					1 1/2"	38,10		1"	1"					1 W
41														
42	27	27	27	27	1 5/8"	41,28	1"	1 1/8"	1 1/8"	1"	1 1/8"	1 1/8"	1,670	42,42
					1 11/16"	42,86								1 1/8 W
					1 3/4"	44,45								1 W
46	30	30	30	30	1 7/8"	46,04	1 1/8"	1 1/4"	1 1/4"	1 1/8"	1 1/4"	1 1/4"	1,860	47,24
50	33	33	33	33	1 7/8"	47,62	1 1/4"							
					2"	50,80								1 1/8 W
54					1 1/4"									
55	36	36	36	36	2 1/16"	52,39	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	2,050	52,07	1 3/8 W
58					2 3/16"	55,56	1 3/8"	1 1/2"	1 1/2"	1 3/8"	1 1/2"	2,220	56,39	1 1/2 W
60	39	39	39	39	2 1/4"	57,17	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2,410	61,21	1 3/8 W
63					1 1/2"									1 1/2 W
65	42	42	42	42	2 3/8"	60,32	1 1/2"			1 1/2"	1 5/8"	2,580	65,53	1 5/8 W
					2 7/16"	61,91								1 3/4 W
					2 9/16"	65,09								1 5/8 W
67														
70	45	45	45	45	1 3/4"	66,68	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	2,760	70,10	2"
71					2 3/4"	69,85								1 3/4 W
					2 13/16"	71,44								
75	48	48	48	48										
77					1 7/8"	74,61				1 7/8"	2"			
80	52	52	52	52	2 15/16"	76,20	2"	2"	2"	2"	2"	3,150	76,70	2"
					3"	79,38								1 7/8 W
					3 1/8"	81,27								2 W
82					2"									
85	56	56	56	56	2 1/4"	85,72					2 1/4"			
88					3 3/8"	88,90								2 1/4 W
					3 1/2"									
90	60	60	60	60								3,550	90,17	2 1/2 W
94														
95	64	64	64	64	2 1/2"	95,25					2 1/2"			
100														
105	68	68	68	68										
110	72	72	72	72	2 3/4"	98,42				2 1/2"	2 3/4"	3,890	98,81	2 3/4 W
					3"	104,78						4,180	106,17	3 W
					3 1/4"	107,95				2 3/4"				
115	80	80	80	80	4 1/2"	114,30					3"	4,530	115,06	3 1/4 W
116														
120	85	85	85	85	3 1/4"	117,48					3"	4,850	123,19	3 1/2 W

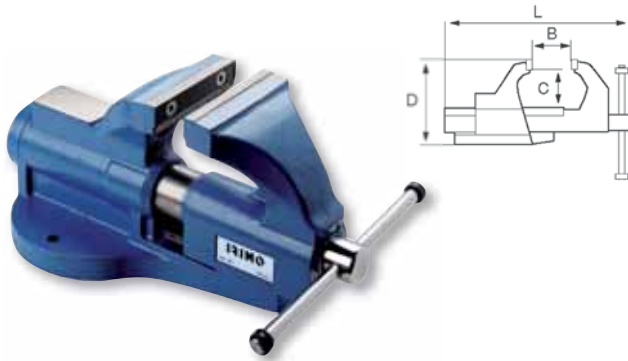


**IRIMO**

5. CLAMPING TOOLS

# Bench vices

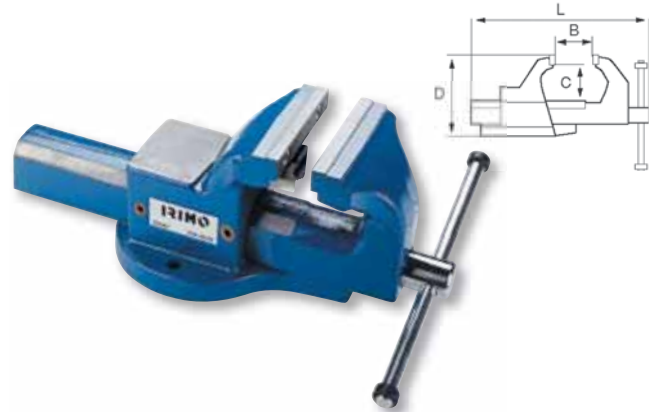
## ROUND GUIDE VICE



- Round guide bench vice
- Heavy duty
- Manufactured by high grade cast steel
- Interchangeable jaws
- Oversized anvil
- Laminated spindle thread
- Smooth operation
- Can be used with swivel base

R	Icon	mm	B mm	C mm	D mm	L mm	g
201231	1	80	90	42	130	260	5.850
201241	1	100	110	56	166	325	11.350
201251	1	125	130	72	196	375	18.200
201261	1	150	170	80	230	430	29.700

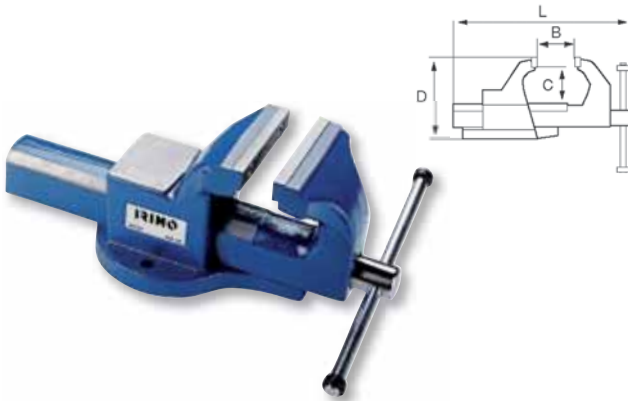
## SQUARE GUIDE VICE



- Heavy duty square guide bench vice
- Manufactured from high grade cast steel
- Interchangeable jaws
- Oversized anvil
- Laminated spindle thread for smooth operation
- Can be used with swivel base
- Free play adjustment via screw mechanism
- With pipe holding jaws

R	Icon	mm	B mm	C mm	D mm	L mm	g
216041	1	100	145	50	122	325	6.497
216051	1	125	170	63	152	402	13.733
216061	1	150	230	80	182	492	20.388
216071	1	175	250	94	211	551	30.688

## SQUARE GUIDE VICE



- Heavy duty square guide bench vice
- Manufactured from high grade cast steel
- Oversized anvil
- Interchangeable jaws are available
- Laminated spindle thread for smooth operation
- Can be used with swivel base

R	Icon	mm	B mm	C mm	D mm	L mm	g
207041	1	100	145	50	122	325	6.200
207051	1	125	170	63	152	402	13.200
207061	1	150	230	80	182	492	19.800
207071	1	175	250	94	211	551	30.100

## SQUARE GUIDE VICE

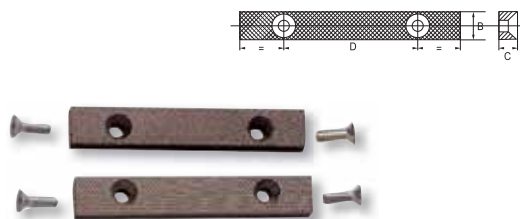


- Heavy duty square guide bench vice
- Manufactured from ductile iron, with similar characteristics to steel
- High impact resistance and durability
- Fitted with swivel base
- Large square anvil
- Added a stop pin at the main screw end to prevent jaw from falling out
- Spare jaws and spindle available
- GS certification

R	Icon	mm	B mm	C mm	D mm	L mm	g
207-100	1	100	100	61	164	330	11.450
207-125	1	125	125	72	193	408	20.000
207-150	1	150	150	84	223	466	29.700

## Spare parts

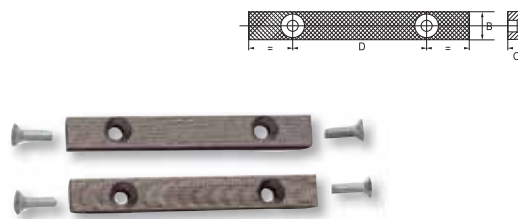
### SPARE JAWS



- Pair of spare jaws and screws for round guide vice 201

R	Icon	L mm	B mm	C mm	D mm	g
202401	1	80	15	10	55	170
202411	1	100	20	12	64	350
202421	1	125	20	12	77	450
202431	1	150	25	14	90	750

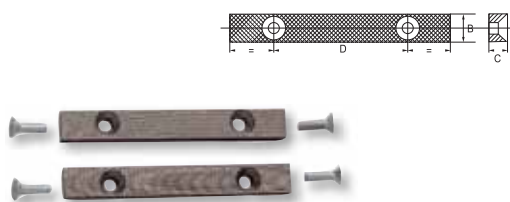
### SPARE JAWS



- Pair of spare jaws and screws for square guide vices 207041/207071 and 216

R	Icon	L mm	B mm	C mm	D mm	g
202441	1	100	15	10	64	350
202421	1	125	20	12	77	450
202451	1	150	20	12	90	750
202461	1	175	25	14	105	1.020

### SPARE JAWS



- Pair of spare jaws and screws for square guide vices 207-100/207-150

R	Icon	L mm	B mm	C mm	D mm	g
202-100	1	100	20	10	60	270
202-125	1	125	21	12	75	460
202-150	1	150	21	12	90	550

### PAIR OF PIPE JAWS AND SCREWS



- Pair of pipe jaws and screws for square guide vices 207041 / 207071 and 216

R	Icon	L mm	Ø mm	g
206721	1	100	13,5 - 26,9	245
206741	1	125	21,3 - 76,1	436
206761	1	150 / 175	26,9 - 89,0	478

### SPARE SPINDLE AND BOLT



- Spare spindle and bolt for round guide vice 201

R	Icon	L mm	L mm	g
202811	1	80	251	875
202821	1	125	317	1.400
202831	1	100	364	2.200
202841	1	150	428	3.400

### SPARE SPINDLE AND NUT



- Spare spindle and nut for square guide vice 207041 / 207071 and 216

R	Icon	L mm	L mm	g
206821	1	100	287	600
206831	1	125	352	1.400
206841	1	150	432	2.200
206851	1	175	471	3.200



## Spare parts

### SPARE SPINDLE AND NUT



- Spare spindle and nut for square guide vices 207-100/207-150

Q	Icon	W mm	L mm	g
206-100	1	100	165	560
206-125	1	125	188	920
206-150	1	150	216	1.060

### ALUMINIUM JAWS



- Protective jaw set for delicate work
- Aluminium jaws with deep horizontal and vertical grooves
- Includes built-in power magnet to fix the jaw in a steel vice

Q	Icon	W mm	g
202561	1	100	180
202571	1	125	200
202581	1	150	220

### POLYURETHANE JAWS

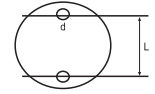


- Protective jaw set for delicate work
- Polyurethane with deep horizontal and vertical grooves
- Includes built-in power magnet to fix the jaw in a steel vice

Q	Icon	W mm	g
202661	1	100	150
202671	1	125	175
202681	1	150	200

## Accessories

### SWIVEL VICE BASE



- Swivel base for all round 201 and 207041/207071 square guide vice models
- Manufactured from high grade cast steel

Q	Icon	Ø mm	W mm	L mm	d mm	g
201431	1	80	100	90	11	850
201451	1	100	125	115	13	1.150
201461	1	125	150	145	13	1.500
201471	1	150	175	165	17	2.500

### ALUMINIUM JAWS



- Protective jaw set for delicate work
- Aluminium jaws with normal horizontal grooves
- Includes built-in power magnet to fix the jaw in a steel vice

Q	Icon	W mm	g
202511	1	100	180
202521	1	125	200
202541	1	150	220

### POLYURETHANE JAWS



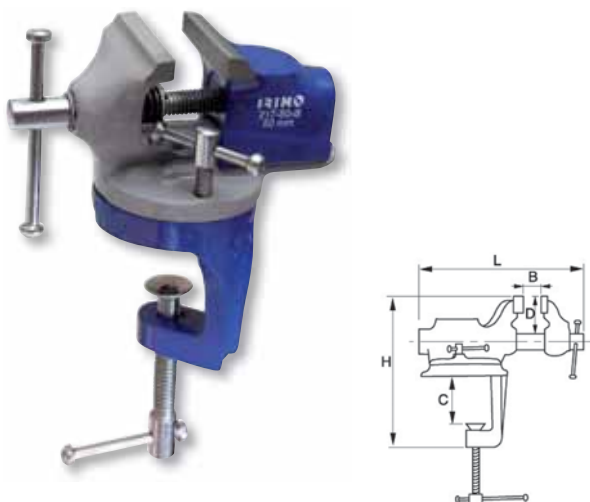
- Protective jaw set for delicate work
- Polyurethane with uniform milling
- Includes built-in power magnet to fix the jaw in a steel vice

Q	Icon	W mm	g
202761	1	100	150
202771	1	125	175
202781	1	150	200



## Table vice

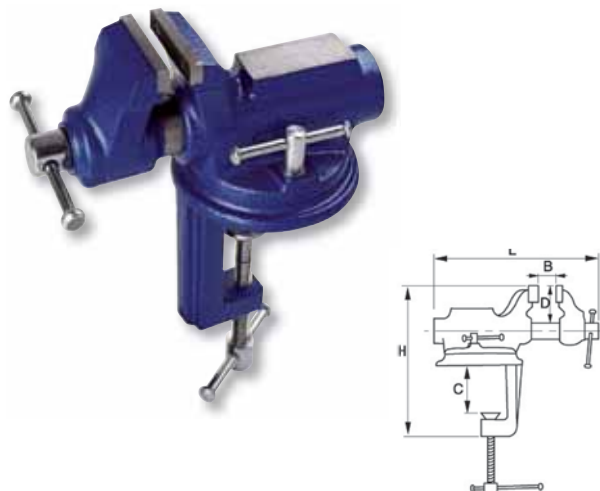
### MINI BENCH VICE



- Versatile tool for filing, flattening or laying out work
- With swivel base
- Finished anvil
- Material: cast iron
- Blister packaging

Q	Icon	Icon	B mm	C mm	D mm	H mm	L mm	g
217-50-B	1	50	40	34	20	120	125	1.100

### ROUND GUIDE TABLE VICE

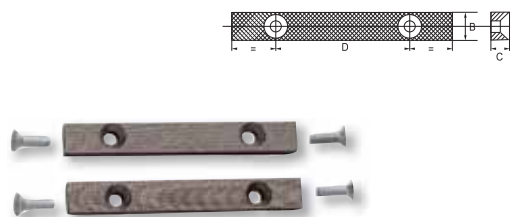


- Material: High grade cast steel
- Interchangeable jaws and swivel base
- It can easily be fixed to a table

Q	Icon	Icon	B mm	C mm	D mm	H mm	L mm	g
217161	1	63	54	76,2	47	219	220	4.800

## Spare parts

### SPARE JAWS



- Pair of spare jaws and screws for table vice 217161

Q	Icon	Icon	B mm	C mm	D mm	g
217261	1	63	15	7,7	40	100

### SPARE SPINDLE



- Spare spindle for table vice 217161

Q	Icon	Icon	L mm	g
217271	1	63	201,5	210

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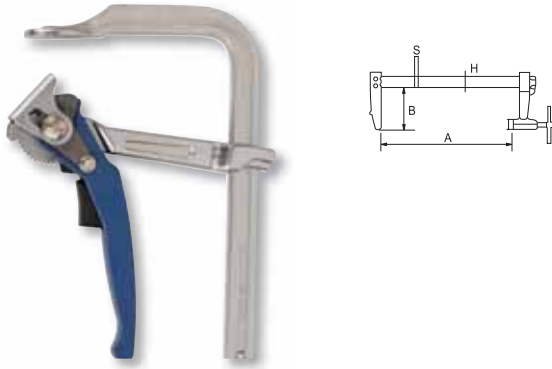
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# Screw clamps

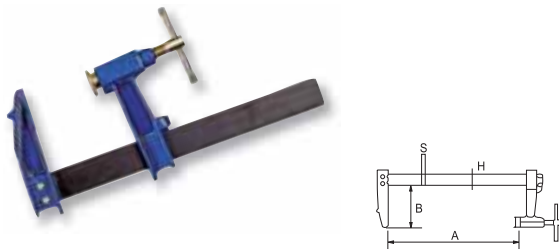
## RACHETING F CLAMPS, 140 MM



- Professional clamp
- Strong Clamping tool
- Aluminium body
- Up to 5100 Nw
- Ratcheting system to facilitate adjust and clamping

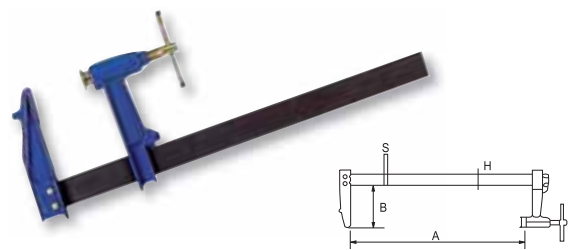
R		A mm	B mm	HxS mm	g
257-200-2	10	200	140	25 x 12	986
257-300-2	10	300	140	25 x 12	1.586
257-400-2	10	400	140	25 x 12	2.286
257-500-2	10	500	140	25 x 12	2.886
257-600-2	10	600	140	25 x 12	3.286

## STEEL CLAMP, 90 MM



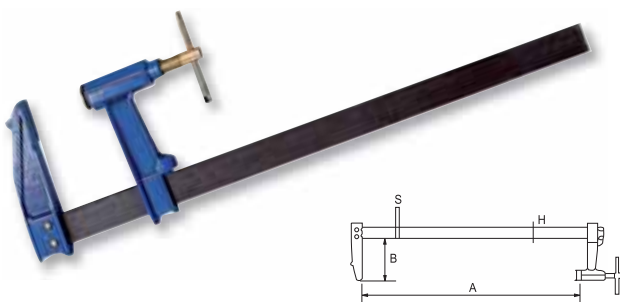
R		A mm	B mm	HxS mm	g
256001	5	150	90	30 x 8	1.100
256011	5	200	90	30 x 8	1.200
256021	5	250	90	30 x 8	1.300
256031	5	300	90	30 x 8	1.400
256041	5	400	90	30 x 8	1.600

## STEEL T-HANDLE CLAMP, 120 MM



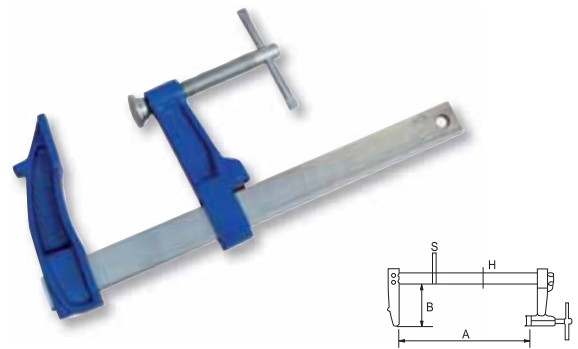
R		A mm	B mm	HxS mm	g
256131	5	300	120	35 x 8	2.000
256141	5	400	120	35 x 8	2.200
256151	5	500	120	35 x 8	2.400
256161	5	600	120	35 x 8	2.600
256181	5	800	120	35 x 8	3.000
256201	5	1.000	120	35 x 8	3.400

## NON-SLIP BRAKING MECHANISM CLAMP, 150 MM



R		A mm	B mm	HxS mm	g
256231	5	300	150	40 x 10	3.100
256241	5	400	150	40 x 10	3.400
256251	2	500	150	40 x 10	3.700
256261	2	600	150	40 x 10	4.000
256281	2	800	150	40 x 10	4.600
256301	2	1.000	150	40 x 10	5.200
256321	1	1.200	150	40 x 10	5.800

## LIGHT SCREW CLAMP, 70 MM




R		A mm	B mm	HxS mm	g
255011	10	120	70	18 x 7	420
255021	10	150	70	18 x 7	450
255031	10	200	70	18 x 7	500
255041	10	250	70	18 x 7	550
255051	10	300	70	18 x 7	600

## Quick clamps

## QUICK CLAMP



- High resistance clamps with QR system
- Clamping capacity over 60 kg
- Reversible jaw mechanism

QR		L inch	L mm	W mm
254-150-2	1	6"	150	487
254-300-2	6	12"	300	586
254-450-2	6	18"	450	686
254-600-2	6	24"	600	781
254-900-2	6	36"	900	980
254-1200-2	4	48"	1.200	1.165

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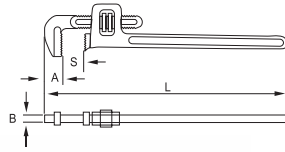


**IRIMO**

6. PIPE TOOLS

## Stillson wrenches

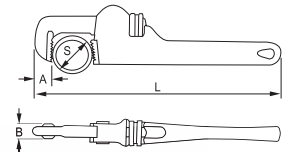
### STILLSON WRENCH



- Forged template steel
- Hardened gripping teeth 55:60 HRC
- Epoxy painting

R	📦	L	S	A mm	B mm	L mm	g
302-210-2	3	8"	1"	19	11	210	290
302-260-2	3	10"	1.3/8"	25	15	260	620
302-310-2	3	12"	1.3/4"	26	17	310	800
302-365-2	3	14"	2"	28	19	365	1.120
302-465-2	1	18"	2.3/8"	30	23	465	1.890
302-615-2	1	24"	3"	39	26	615	3.200
302-900-2	1	36"	4"	48	30	900	6.100

### STILLSON ALUMINIUM WRENCH



- Aluminium alloy handle with section in double T
- Light, 40% less weight and great resistance

R	📦	L	S	A mm	B mm	L mm	g
304-250-2	2	10"	1.1/2"	22	17	250	430
304-350-2	2	14"	2"	26	21	350	950
304-450-2	1	18"	2.1/2"	29	26	450	1.650
304-600-2	1	24"	3"	33	28	600	2.500
304-900-2	1	36"	5"	44	32	900	5.200

### SPARE PARTS



R	R	R	📦	L
304S-250-2	304T-250-2	304F-250-2	1	10"
304S-350-2	304T-350-2	304F-350-2	1	14"
304S-450-2	304T-450-2	304F-450-2	1	18"
304S-600-2	304T-600-2	304F-600-2	1	24"
304S-900-2	304T-900-2	304F-900-2	1	36"

### SPARE PARTS



R	R	📦	L
302S-210-2	302T-210-2	1	8"
302S-260-2	302T-260-2	1	10"
302S-310-2	302T-310-2	1	12"
302S-365-2	302T-365-2	1	14"
302S-465-2	302T-465-2	1	18"
302S-615-2	302T-615-2	1	24"
302S-900-2	302T-900-2	1	36"

## Chain pipe wrench

### CHAIN PIPE WRENCH



- Strong chain made of tempered special steel
- Jaws and body in forged hardened steel
- Double sided tooth system for ratchet-like use
- Self locking function in both directions

R	📦	S	A mm	B mm	L mm	g
307-350-2	1	N. 30	1.1/2"	8	38	1.400
307-685-2	1	N. 31	2.1/2"	9	79	3.500
307-940-2	1	N. 32	4"	13	60	6.700
307-1122-2	1	N. 33	6"	20	75	12.600

### SPARE CHAIN



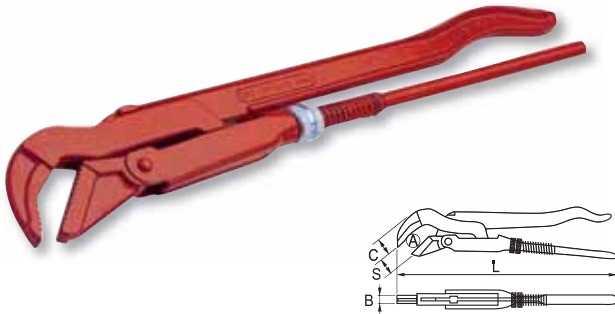
- Material: tempered special steel

R	📦	S	L mm
307S-350-2	1	N. 30	340
307S-685-2	1	N. 31	475
307S-940-2	1	N. 32	560
307S-1122-2	1	N. 33	830



# Pipe wrenches swedish model

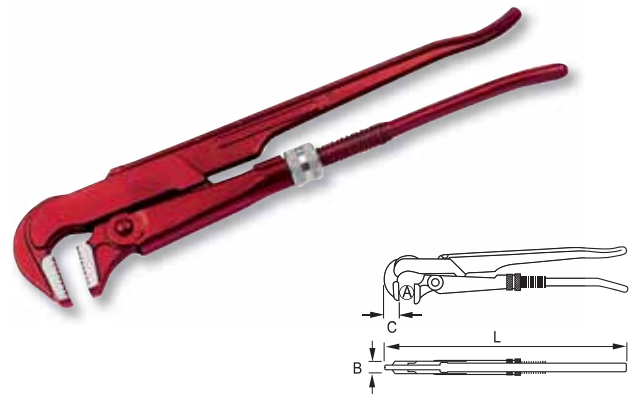
## CORNER MOUTH



- Forged steel
- Epoxy painting
- Hardened gripping teeth

R		S	A mm	C mm	B mm	L mm	g
303081	1	1/2"	15	20	8	240	665
303111	1	1"	25	25	11	315	1.145
303121	1	1.1/2"	40	27	12	425	1.890
303131	1	2"	50	30	13	550	3.275
303171	1	3"	80	36	17	655	6.425

## PERPENDICULAR MOUTH



- Forged steel
- Epoxy painting
- Hardened gripping teeth

R		S	A mm	B mm	C mm	L mm	g
303201	1	1"	25	16	18	320	800
303211	1	1.1/2"	40	19	20	425	1.300
303221	1	2"	50	21	25	560	2.300
303231	1	3"	80	22	30	630	2.900
303241	1	4"	117	30	32	735	5.900

## CURVED MOUTH



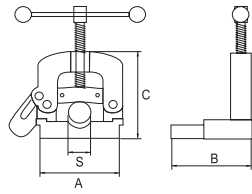
- Forged steel
- Epoxy painting
- Hardened gripping teeth

R		S	A mm	B mm	C mm	L mm	g
303291	1	1/2"	15	13	16	235	400
303301	1	1"	25	17	23	330	800
303311	1	1.1/2"	40	19	27	420	1.400
303321	1	2"	50	21	32	535	2.400
303331	1	3"	80	24	34	648	4.200



## Hinged pipe vice

### HINGED PIPE VICE



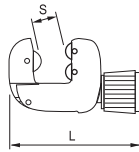
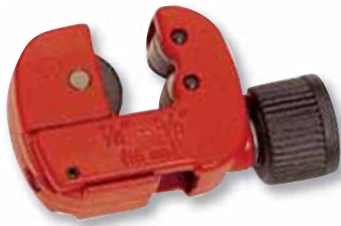
- Forged steel jaws
- Annealed cast iron body
- Enamelled
- Zinc plating

R	Icon	S	A mm	B mm	C mm	g
315021	1	1/8" - 2"	160	131	208	4.530

R	Icon	S	Upper jaw
315101	1		
R	Icon	S	Lower jaw
315111	1		

## Pipe cutters

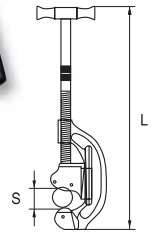
### SMALL COPPER PIPE CUTTER



- Enamelled
- Phosphated finish

R	Icon	S	Ø mm	L mm	g
321161	2	1/8" - 5/8"	3 - 16	58	122

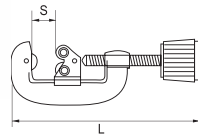
### STEEL PIPE CUTTER



- Enamelled
- Phosphated finish

R	Icon	S	Ø mm	L mm	g
321501	1	1/8" - 2"	3 - 50	385	2.520

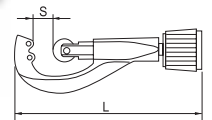
### COPPER PIPE CUTTER



- Enamelled
- Phosphated finish

R	Icon	S	Ø mm	L mm	g
321281	1	1/8" - 1.1/8"	3 - 30	30	321
321321	1	1/8" - 1.3/8"	3 - 35	35	393

### TELESCOPIC COPPER PIPE CUTTER



- Enamelled
- Phosphated finish

R	Icon	S	Ø mm	L mm	g
321351	2	1/8" - 5/8"	3 - 16	58	122

### SPARE WHEELS



R	Icon	S	D mm	d mm	E mm	g
321511	1	321161 / 321281 / 321321 / 321351	20	5	5	5
321551	1	321501	31	9	19	28

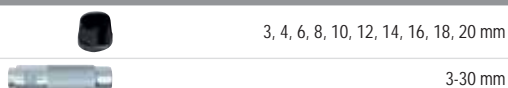
## Gasket cutters

### GASKET CUTTERS SET



R	Icon	pcs.	Icon	g
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332-51-4 1 11 140 x 130 x 40 600

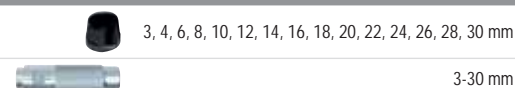


### GASKET CUTTERS SET



R	Icon	pcs.	Icon	g
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332-52-4 1 16 230 x 180 x 45 1.200



### GASKET CUTTERS



- Interchangeable gasket washer cutters
- Cuts all gasket materials: leather, rubber, cardboard, fibre, asbestos, lead, felt, plastic, etc.
- Triple shapening: inside, outside and cutting edge
- Atmosphere protected tempered alloy steel punches

R	Icon	S	Type	A mm	L mm	g
---	------	---	------	------	------	---

333-003-2	1	3	1/2 x 24 Z"	14	31	15
333-004-2	1	4	1/2 x 24 Z"	14	31	15
333-006-2	1	6	1/2 x 24 Z"	14	31	15
333-008-2	1	8	1/2 x 24 Z"	14	31	15
333-010-2	1	10	1/2 x 24 Z"	14	31	15
333-012-2	1	12	Flat	25	30	30
333-014-2	1	14	Flat	25	30	30
333-016-2	1	16	Flat	25	30	30
333-018-2	1	18	Flat	25	30	30
333-020-2	1	20	Flat	25	30	30
333-022-2	1	22	Flat	35	35	50
333-024-2	1	24	Flat	35	35	50
333-026-2	1	26	Flat	35	35	50
333-028-2	1	28	Flat	35	35	50
333-030-2	1	30	Flat	35	35	50

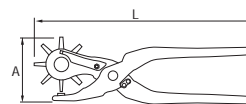
### WAD PUNCHES 3-30 HANDLE



R	Icon	g
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332S-030-2 1 350

### REVOLVER WAD PUNCHES



- Rotating wheel for 6 punching sizes in leather, rubber, plastic, canvas, joints and other similar material
- Easy selection and diameter hole vision to avoid errors
- Its exclusive design reduces necessary force in a 70%

R	Icon	A mm	L mm	g
---	------	------	------	---

330021 1 6 punches: 2-2, 5-3-3, 5-4-4, 5 mm 90 220 260

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**IRIMO**

7. SCREWDRIVERS



# Screwdrivers

## SLOTTED SCREWDRIVERS FOR ENGINEERINGS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO2380, DIN5265, UNE16516

Part No.	Blade Width (mm)	Blade Thickness (mm)	Blade Length (mm)	Blade Height (mm)	Blade Width (mm)	Blade Length (mm)	Weight (g)
407-4-75	10	0,8	4	75	90	165	40
407-4-100	10	0,8	4	100	90	190	40
407-5.5-100	10	1	5,5	100	100	200	65
407-5.5-125	10	1	5,5	125	100	225	70
407-6.5-125	10	1,2	6,5	125	110	235	100
407-6.5-150	10	1,2	6,5	150	110	260	105
407-8-150	10	1,6	8	150	110	260	119
407-8-175	10	1,6	8	175	110	285	127
407-10-200	10	1,6	10	200	120	320	175
407-12-250	5	2	12	250	120	370	230
407-14-250	5	2,5	14	250	120	370	260

## SLOTTED SCREWDRIVERS FOR ELECTRICIANS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO2380, DIN5265, UNE16516

Part No.	Blade Width (mm)	Blade Thickness (mm)	Blade Length (mm)	Blade Height (mm)	Blade Width (mm)	Blade Length (mm)	Weight (g)
408-2.5-75	10	0,4	2,5	75	90	165	34
408-3-75	10	0,5	3	75	90	165	35
408-3-100	10	0,5	3	100	90	190	40
408-3-200	5	0,5	3	200	90	290	45
408-3.5-100	10	0,6	3,5	100	90	190	40
408-4-100	10	0,8	4	100	90	190	45
408-4-125	10	0,8	4	125	90	215	45
408-4-250	5	0,8	4	250	90	340	60
408-5.5-125	10	1	5,5	125	100	225	65
408-5.5-150	10	1	5,5	150	100	250	90
408-5.5-300	5	1	5	300	100	400	106
408-6.5-150	10	1,2	6,5	150	110	260	110

## STUBBY SLOTTED SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO2380, DIN5265, UNE16516

Part No.	Blade Width (mm)	Blade Thickness (mm)	Blade Length (mm)	Blade Height (mm)	Blade Width (mm)	Blade Length (mm)	Weight (g)
408-5.5-25	10	1,2	5,0	25	60	85	35
408-6.5-25	10	1,2	6,0	25	60	85	35

### PHILLIPS SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO8764, DIN5262, UNE16520

Part No.	Box Qty	Tip	Blade Length (mm)	Blade Width (mm)	Blade Thickness (mm)	Weight (g)
409-0-75	10	PH-0	75	90	165	35
409-1-100	10	PH-1	100	100	200	65
409-2-125	10	PH-2	125	110	235	100
409-3-150	5	PH-3	150	120	270	160
409-4-200	5	PH-4	200	120	320	200
409-1-250	5	PH-1	250	100	350	89
409-2-300	5	PH-2	300	110	410	130

### STUBBY PHILLIPS SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO8764, DIN5262, UNE16520

Part No.	Box Qty	Tip	Blade Length (mm)	Blade Width (mm)	Blade Thickness (mm)	Weight (g)
409-1-25	10	PH-1	25	60	85	35
409-2-25	10	PH-2	25	60	85	35

### POZIDRIV SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO8764, DIN5262, UNE16520

Part No.	Box Qty	Tip	Blade Length (mm)	Blade Width (mm)	Blade Thickness (mm)	Weight (g)
413-0-75	5	PZ-0	75	90	165	35
413-1-100	5	PZ-1	100	100	200	75
413-2-125	5	PZ-2	125	110	235	100
413-3-150	5	PZ-3	150	120	270	160

### TORX® SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification

Part No.	Box Qty	Tip	Blade Length (mm)	Blade Width (mm)	Blade Thickness (mm)	Weight (g)	
414-10-75	10	T-10	3	75	90	165	35
414-15-100	10	T-15	3,5	100	90	190	45
414-20-100	10	T-20	4	100	90	190	45
414-25-125	10	T-25	5	125	100	225	70
414-27-125	10	T-27	5,5	125	100	225	70
414-30-150	10	T-30	6	150	110	260	105
414-40-150	5	T-40	7	150	110	260	120

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### Magnetic bit holder for 1/4" bits



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Strong magnet
- Size and part number are laser branded on the blade for easy identification

475-1/4-125	5	1/4"	125	235	112

### Flexible blade bit holder for 1/4" bits



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Flexible blade
- With retaining ring

475-1/4F-160	5	1/4"	160	270	135

### Nut driver with handle 1/4"



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO691. DIN3125, UNE16502

417-3-125	5	3,2	5,7	125	90	215	60
417-4-125	5	4	6,9	125	90	215	60
417-4.5-125	5	4,5	7,5	125	90	215	60
417-5-125	5	5	8,2	125	100	250	70
417-5.5-125	5	5,5	8,8	125	100	250	70
417-6-125	5	6	9,4	125	100	250	70
417-7-125	5	7	11,0	125	110	260	120
417-8-125	5	8	12,2	125	110	260	120
417-9-125	5	9	13,5	125	110	260	120
417-10-125	5	10	14,7	125	110	260	120
417-11-125	5	11	16,0	125	120	270	155
417-12-125	5	12	17,2	125	120	270	155
417-13-125	5	13	18,5	125	120	270	155
417-14-125	5	14	19,7	125	120	270	155

### Nut driver with handle, with flexible blade 1/4"



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Flexible blade

190-6-135	1	6	135	260	125
190-7-135	1	7	135	270	125
190-8-135	1	8	135	270	125
190-10-135	1	10	135	270	125

## Ratcheting bit holder for 1/4" bits

### RATCHETING BIT HOLDER SCREWDRIVER FOR 1/4" BITS



- Handle: 2-component handle
- Interchangeable bit storage compartment with release button for quick access
- Slide tray that keeps 12 different bits: Slotted 4, 5, 6; PH 1, 2, 3; TORX® 15, 20, 25; Hex 3, 4, 5
- Magnetic blade secures bit in screwdriver
- Smooth ratcheting stroke
- Three position ratchet mechanism: forward, reverse and neutral

475R-1/4-110	6	1/4"	110	125	225	310

### RATCHETING BIT HOLDER STUBBY FOR 1/4" BITS



- Ratcheting bit holder stubby for 1/4" bits
- Handle: 2-component handle
- Interchangeable bit storage
- 12 different bits: Slotted 5.0, 6.0; PH1, PH2; T15, T20, T25, T30; Hex 2.5, 3, 4, 5 mm
- Magnetic blade secures bit in screwdriver
- Smooth ratcheting stroke, three position ratchet mechanism
- Presented in a blister packaging

475R-1/4-30	6	1/4"	80	30	110	192

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# Insulated screwdriver, 1000V

## SLOTTED INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO2380

Part No.	Pcs.	Blade Width (mm)	Blade Length (mm)	Blade Thickness (mm)	Shaft Length (mm)	Total Length (mm)	Weight (g)
408V-2.5-100	10	0,4	2,5	100	90	165	20
408V-3-100	10	0,5	3	100	90	190	22
408V-3.5-100	10	0,6	3,5	100	90	190	32
408V-4-100	10	0,8	4	100	90	190	35
408V-5.5-125	10	1	5,5	125	100	225	65
408V-6.5-150	10	1,2	6,5	150	110	260	90
408V-8-175	5	1,2	8	175	120	295	110

## PHILLIPS INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO8764

Part No.	Pcs.	Blade Width (mm)	Blade Length (mm)	Blade Thickness (mm)	Shaft Length (mm)	Total Length (mm)	Weight (g)
409V-0-100	10	PH-0	100	90	190	40	
409V-1-150	10	PH-1	150	110	260	80	
409V-2-175	10	PH-2	175	110	285	120	
409V-3-200	5	PH-3	200	120	320	180	

## POZIDRIV INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO8764

Part No.	Pcs.	Blade Width (mm)	Blade Length (mm)	Blade Thickness (mm)	Shaft Length (mm)	Total Length (mm)	Weight (g)
413V-0-100	10	PZ-0	100	90	190	40	
413V-1-150	10	PZ-1	150	110	260	80	
413V-2-175	10	PZ-2	175	110	285	120	
413V-3-200	5	PZ-3	200	120	320	180	

## TWIN PACK INSULATED SCREWDRIVERS + TESTER



- Screwdriver set, 3 pcs
- For slotted and Phillips head screws

Part No.	Pcs.	Blade Width (mm)	Blade Length (mm)	Blade Thickness (mm)	Shaft Length (mm)	Total Length (mm)	Weight (g)
459V-3-1	1	3	35x130x310				35
408V-4-100	1	0.8x4.0x100					
409V-1-150	1	PH-1x150					
429-03-1	1	0.6x3.0x65 (100-250 V)					



## Screwdriver sets

SCREWDRIVER SET, 5 pcs.



- For slotted and Phillips head screws
- In clamshell packaging

R	pcs.	g
459-5-B	1 5	48x335x190 435
408	①	0.5x3.0x75/ 0.8x4.0x100
407	①	1.2x6.5x150
409	⊕	PH-1x100 / PH-2x125

SCREWDRIVER SET, 5 pcs.



- For TORX® head screws
- In clamshell packaging

R	pcs.	g
459-5A-B	1 5	48x335x190 495
414	⊛	T10x75/ T20x100/ T25x125/ T30x150/ T40x150

SCREWDRIVER SET, 6 pcs.



- For slotted and Phillips head screws
- In clamshell packaging

R	pcs.	g
459-6-B	1 6	48x355x190 505
408	①	0.5x3.0x75/ 0.8x4.0x100
407	①	1.0x5.5x125/ 1.2x6.5x150
409	⊕	PH-1x100 / PH-2x125

SCREWDRIVER SET, 6 pcs.



- For slotted and Phillips head screws
- In cardboard box

R	pcs.	g
459-6-C	1 6	42x325x160 570
408	①	0.5x3.0x75/ 0.8x4.0x100
407	①	1.0x5.5x125/ 1.2x6.5x150
409	⊕	PH-1x100 / PH-2x125

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## Screwdriver sets

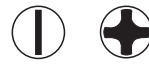
SCREWDRIVER SET FOR ENGINEERINGS, 6 pcs.



- For slotted and Pozidriv head screws
- In cardboard box

Q	Box	pcs.	mm	g
459-6A-C	1	6	42x325x160	570
408	①		0.5x3.0x75/ 0.8x4.0x100	
407	①		1.0x5.5x125/ 1.2x6.5x150	
413	⊕		PZ-1x100 / PZ-2x125	

SCREWDRIVER SET FOR ELECTRICIANS, 6 pcs.



- For slotted and Phillips head screws
- In cardboard box

Q	Box	pcs.	mm	g
459-6C-C	1	6	42x325x160	505
408	①		0.5x3.0x100/ 0.8x4.0x125/ 1.0x5.5x150	
409	⊕		PH-1x100 / PH-2x125	
429-03-1	①		0.6x3.0x65 (100-250 V)	

SCREWDRIVER SET, 6 pcs.



- For TORX® head screws
- In cardboard box

Q	Box	pcs.	mm	g
459-6B-C	1	6	42x325x160	470
414	⊕		T10x75/ T15x100/ T20x100/ T25x125/ T27x125/ T30x150	

# Screwdriver displays

SCREWDRIVERS DISPLAY, 83 pcs.



- Screwdriver display of 83 pieces
- For slotted and Phillips head screws

IRIMO	pcs.	mm	g	
910-83DISP	1	83	500x450x250	8.500

MEE-COUNT-IR-2 Stand alone

Code	Icon	Image	Specifications
407	⊖		0.8x4.0x100 (8 pcs.) 1.0x5.5x125 (7 pcs.) 1.2x6.5x150 (6 pcs.) 1.6x8.0x175 (6 pcs.) 1.6x10.0x200 (6 pcs.)
408	⊖		0.5x3.0x75 (8 pcs.) 0.8x4.0x100 (8 pcs.) 1.0x5.5x125 (7 pcs.) 1.2x6.5x150 (6 pcs.)
409	⊕		PH-0x75 (8 pcs.) PH-1x100 (7 pcs.) PH-2 x125 (6 pcs.)

SCREWDRIVERS DISPLAY, 152 pcs.

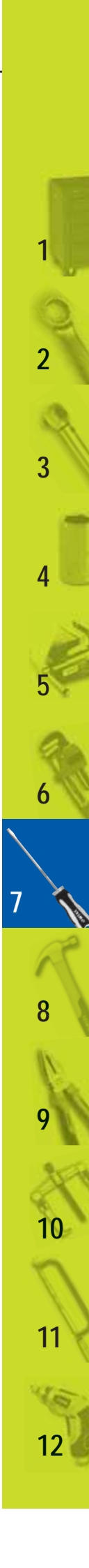


- Screwdriver display of 152 pieces
- For slotted, Phillips and TORX® head screws

IRIMO	pcs.	mm	g	
910-152DISP	1	152	775x450x250	14.100

MEE-COUNT-IR-3 Stand alone

Code	Icon	Image	Specifications
407	⊖		0.8x4.0x100 (8 pcs.) 1.0x5.5x125 (7 pcs.) 1.2x6.5x150 (6 pcs.) 1.6x8.0x175 (6 pcs.) 1.6x10.0x200 (6 pcs.)
408	⊖		0.4x2.5x75 (8 pcs.) 0.5x3.0x75 (8 pcs.) 0.6x3.5x100 (8 pcs.) 0.8x4.0x100 (8 pcs.) 1.0x5.5x125 (7 pcs.) 1.2x6.5x150 (6 pcs.)
408_25	⊖		1.2x6.5x25 (6 pcs.)
409	⊕		PH-0x75 (8 pcs.) PH-1x100 (7 pcs.) PH-2 x125 (6 pcs.) PH-3X150 (6 pcs.)
409_25	⊕		PH-2x25 (6 pcs.)
414	⊛		T10x75 (8 pcs.) T15x100 (7 pcs.) T20x100 (7 pcs.) T25 x125 (7 pcs.) T30x150 (6 pcs.)







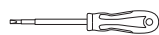

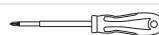
## Insulated screwdriver sets

INSULATED 1000V SCREWDRIVER SET, 6 pcs.

IEC 60900   



- Screwdriver set of 6 pieces
- For slotted and Phillips head screws
- In clamshell packaging





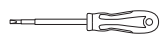

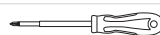
R		pcs.		
459V-6-B	1	6	48x335x190	520
408V			0.5x3.0x100/0.8x4.0x100/ 1.0x5.5x125/ 1.2x6.5x150	
409V			PH-1x150/ PH-2x175	

INSULATED 1000V SCREWDRIVER SET, 6 pcs.

IEC 60900   



- Screwdriver set of 6 pieces
- For slotted and Phillips head screws
- In cardboard box

R		pcs.		
459V-6-C	1	6	42x325x160	580
408V			0.4x2.5x100/ 0.8x4.0x100/ 1.0x5.5x125/ 1.2x6.5x150	
409V			PH-1x150/ PH-2x175	








## Insulated screwdriver displays

INSULATED SCREWDRIVERS DISPLAY, 72 pcs.

IEC 60900   



- Insulated screwdrivers display, 72 pieces
- For slotted and Phillips head screws

R		pcs.		
910V-72DISP	1	72	500x450x250	9.075
MEE-COUNT-IR-2 Stand alone				
408V			0.4x2.5x100 (8 pcs.) 0.5x3.0x100 (8 pcs.) 0.6x3.5x100 (8 pcs.) 0.8x4.0x100 (8 pcs.) 1.0x5.5x125 (7 pcs.) 1.2x6.5x150 (6 pcs.) 1.2x8.0x175 (6 pcs.)	
409V			PH-0x100 (8 pcs.) PH-1x150 (7 pcs.) PH-2 x175 (6 pcs.)	



## T-handle screwdrivers

### T-HANDLE WITH HEXAGONAL TIP



- Blade is made of high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

R	Icon	mm	mm	mm	mm	g
42-H2-100	5	2	130	100	64x30	23
42-H2.5-100	5	2,5	130	100	64x30	25
42-H3-100	5	3	130	100	64x30	28
42-H4-150	5	4	190	150	80x40	57
42-H5-150	5	5	190	150	80x40	70
42-H6-200	5	6	250	200	100x50	134
42-H8-200	5	8	250	200	100x50	186
42-H10-200	5	10	250	200	100x50	254

### T-HANDLE WITH TORX® TIP



- Blade is made of high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

R	Icon	mm	mm	mm	mm	g	
46-T10-100	5	T10	2,72	130	100	64x30	27
46-T15-150	5	T15	3,26	190	150	80x40	55
46-T20-150	5	T20	3,84	190	150	80x40	55
46-T25-150	5	T25	4,40	190	150	80x40	66
46-T30-200	5	T30	5,49	250	200	100x50	126
46-T40-200	5	T40	6,60	250	200	100x50	147

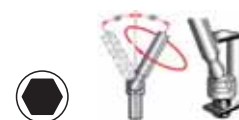
### T-HANDLE WITH HEXAGONAL BALL TIP



- Blade: high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Ball end allows to easily insert the tip in the screw head from a range of angles
- More efficient and time saving than a standard T Handle
- Branding: size and part number laser branded in the blade for easier identification

R	Icon	mm	mm	mm	mm	g
42B-H3-100	5	3	130	100	64x30	28
42B-H4-150	5	4	190	150	80x40	57
42B-H5-150	5	5	190	150	80x40	70
42B-H6-200	5	6	250	200	100x50	134
42B-H8-200	5	8	250	200	100x50	186
42B-H10-200	5	10	250	200	100x50	254

### HEX BALL END T HANDLE SET, 6 pcs.



- T-handle hexagonal ball tip, 6 pcs
- In clamshell packaging

R	Icon	pcs.	mm	g
42B-6-B	1	6	355x247x40	120



42B-H

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

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T-handle screwdrivers. Nut driver



- Blade is made of high quality steel. Black finish
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

R	mm	mm	mm	mm	mm	g
191-6-150	5	6	190	150	69x40	78
191-7-175	5	7	225	175	84x50	121
191-8-175	5	8	225	175	84x50	123
191-10-175	5	10	225	175	84x50	160
191-12-175	5	12	225	175	84x50	167
191-13-175	5	13	225	175	84x50	172

6 in 1 screwdriver



- Double ended bits (6.35 x 65 mm): PH1 - 5 mm
- Double ended bits (8 x 75 mm): PH2 - 6 mm
- Nut Driver: 6 mm - 8 mm

R	mm	mm	mm	mm	mm	g
475-5-1	1	1/4" / 5/16"	50	110	160	312

Reversible screwdriver



- Impact resistant plastic handle
- Blade is made of high performance alloy steel. Nickel plated blade

R	mm	mm	mm	mm	g	
427411	10	1,2	6	PH-2	156	26

Magnetiser



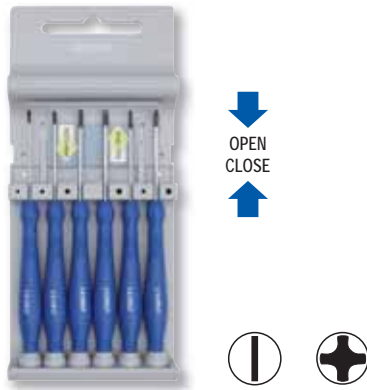
- For magnetizing and demagnetizing different tools
- Simple and easy to use small devise
- Material: magnet, plastic
- Packaging: in blister pack

R	mm	mm	mm	g
458-02-1	5	53x50x30		164



## Precision screwdriver

### PRECISION SCREWDRIVER SET, 6 pcs



- Precision screwdriver set, 6 pcs
- Chrome Vanadium steel blades
- Chrome plated finish and black tips
- Free turning caps for easy and accurate driving
- Sliding system of the plastic frame to open and release
- Sizes included:
  - 4 slotted: 1.6-2.0-2.5-3.0 mm
  - 2 Phillips: PH00-PH0

461-6-B	1	150	50	120

### POCKET PRECISION SCREWDRIVER



- 4 ends tips: PH0 / 3 mm and PH1/4 mm
- Satin finish, head treated bits
- Easy carrying pen size with clip

478-4-1	1	PH0/PH1	120	3.0/4.0	20
478-4-2	48	PH0/PH1	120	3.0/4.0	1.100

## Voltage tester



- Handle: clear transparent plastic handle, impact resistant
- Blade: high quality steel, nickel plated blade, plastic protection up to the tip
- According to DIN VDE0680/6 GS-marked
- 429-10-1: Auto tester 6-24-V

429-03-1	6	0.6	3.0	65	75	140	30
429-04-1	6	-	3.5	100	90	190	29
429-10-1	6	-	3.0	45	75	120	22

## Nickel plated keys for hex screws

### 040 METRIC



- High quality steel, entirely hardened
- Nickel-plated
- Size stamped on the blade for easy identification
- Standard: ISO2936

R	Box	mm	a mm	b mm	g
040001	10	1.5	15	47	1
040011	10	2.0	18	52	1
040021	10	2.5	21	59	3
040031	10	3.0	23	66	4
040041	10	4.0	29	74	10
040051	10	5.0	33	85	18
040061	10	6.0	38	96	29
040071	10	7.0	41	102	41
040081	10	8.0	44	108	57
040091	5	9.0	47	114	76
040101	5	10.0	50	122	100
040121	5	12.0	57	137	163
040141	1	14.0	70	154	253
040171	1	17.0	80	177	427
040191	1	19.0	89	199	600
040221	1	22.0	102	222	910

### 040 INCHES



- High quality steel, entirely hardened
- Nickel plated
- Size stamped on the blade for easy identification
- Standard: ISO2936

R	Box	mm	a mm	b mm	g
040541	10	1/16"	15	47	1
040011	10	5/64"	18	52	1
040561	10	3/32"	21	59	3
040581	10	1/8"	23	66	4
040041	10	5/32"	29	74	10
040601	10	3/16"	33	85	18
040611	10	7/32"	35.5	91	29
040621	10	1/4"	38	96	32
040641	10	5/16"	44	108	60
040661	5	3/8"	50	122	100
040681	5	7/16"	53	129	140
040701	5	1/2"	63	145	182
040731	1	5/8"	76	168	370
040191	1	3/4"	89	199	601

### 041 METRIC



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

R	Box	pcs.	g
041011	1	6	76
041071	1	8	180
041021	1	10	380
041091	1	11	570
041031	1	13	1.800
041101	1	15	2.920

041011	2-2.5-3-4-5-6 mm	041091	2-2.5-3-4-5-6-7-8-9-10-12 mm
041071	2-2.5-3-4-5-6-7-8 mm	041031	2-2.5-3-4-5-6-7-8-10-12-14-17-19 mm
041021	2-2.5-3-4-5-6-7-8-10-12 mm	041101	2-2.5-3-4-5-6-7-8-9-10-12-14-17-19-22 mm

### 041 INCHES



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy selection
- Hanging hole

R	Box	pcs.	g
041041	1	5	95
041051	1	9	580
041061	1	12	1.865

041041	1/8-5/32-3/16-7/32-1/4"
041051	1/8-5/32-3/16-7/32-1/4-5/16-3/8-7/16-1/2"
041061	1/8-5/32-3/16-7/32-1/4-5/16-3/8-7/16-1/2-9/16-5/8-3/4"

NICKEL PLATED KEYS SETS



• On ring

Q	Box	pcs.	g
041111	1	6	77
041121	1	8	240

Q	Box	pcs.	g
041111			2-2.5-3-4-5-6 mm
041121			2-2.5-3-4-5-6-8-10 mm

OFFSET SCREWDRIVER SET, 3 pcs.

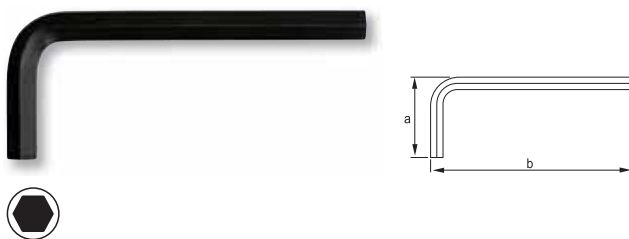


- 3 pieces with double tips (Slotted&Phillips)
- Chrome plated keys set for hex screws, in metric
- Content: Slotted (5.0, 6.0, 8.0); Phillips (PH1, PH2, PH3)
- Packaging: in blister pack

Q	Box	pcs.	Box	g
420-3-1	1	3	20x230x100	202

Black keys for hex screws

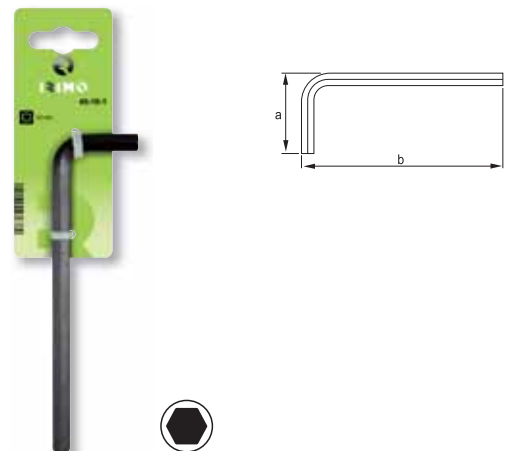
045 METRIC



- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO2936

Q	Box	mm	a mm	b mm	g
045001	10	1.5	15	47	1
045011	10	2.0	18	52	2
045021	10	2.5	21	59	3
045031	10	3.0	23	66	5
045041	10	4.0	29	74	10
045051	10	5.0	33	85	13
045061	10	6.0	38	95	29
045071	10	7.0	41	102	41
045081	10	8.0	41	105	57
045091	5	9.0	47	114	76
045101	5	10.0	50	122	100
045121	5	12.0	57	137	163
045141	1	14.0	70	154	253
045171	1	17.0	80	177	427
045191	1	19.0	89	199	600
045221	1	22.0	102	222	910

045 METRIC



- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO2936

Q	Box	mm	a mm	b mm	g
45-00-1	1	1.5	14.5	45.5	5.4
45-01-1	1	2.0	27.0	51.0	6.4
45-02-1	1	2.5	19.5	55.5	7.5
45-03-1	1	3.0	22.0	64.0	9.4
45-04-1	1	4.0	28.0	72.0	14.4
45-05-1	1	5.0	22.0	83.0	22.4
45-06-1	1	6.0	38.0	94.0	33.8
45-08-1	1	7.0	37.0	105.0	63.8
45-10-1	1	10.0	49.0	119.0	107.3

# Black keys for hex screws

METRIC



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

Q	Box	pcs.	g
046011	1	6	76
046021	1	10	180
046091	1	11	460
046031	1	13	1.805
046101	1	15	2.830

046011	2-2.5-3-4-5-6 mm
046021	2-2.5-3-4-5-6-7-8-10-12 mm
046091	2-2.5-3-4-5-6-7-8-9-10-12 mm
046031	2-2.5-3-4-5-6-7-8-10-12-14-17-19 mm
046101	2-2.5-3-4-5-6-7-8-9-10-12-14-17-19-22 mm

METRIC



- Set of black finish hex keys, 9 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the wallet, for an easy identification
- In blister packaging

Q	Box	pcs.	g
46-9-H	1	9	270

46-9-H	1.5-2-2.5-3-4-5-6-8-10 mm
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METRIC

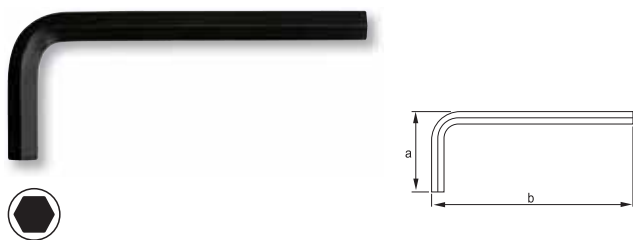


- Set of black finish hex keys, 8 pieces, metric
- In high quality impact resistant folder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- Easy to store
- Retail packaging with hanger

Q	Box	pcs.	g
46-8-F	1	8	160

46-8-F	1.5-2-2.5-3-4-5-6-8 mm
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045 INCHES



- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO2936

R			a mm	b mm	g
045541	10	1/16"	15	47	1
045011	10	5/64"	18	52	2
045561	10	3/32"	21	59	3
045581	10	1/8"	23	66	5
045041	10	5/32"	29	74	10
045601	10	3/16"	33	85	16
045611	10	7/32"	35.5	91	24
045621	10	1/4"	38	96	32
045641	10	5/16"	44	105	60
045661	5	3/8"	50	122	100
045681	5	7/16"	53	129	140
045701	5	1/2"	63	145	182
045731	1	5/8"	76	168	370
045191	1	3/4"	89	199	601

046 INCHES



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

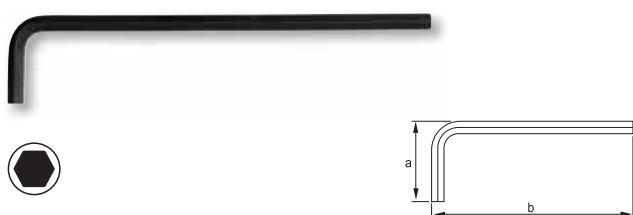
R		pcs.	g
046041	1	5	95
046051	1	9	580
046061	1	12	1.865

046041	1/8-5/32-3/16-7/32-1/4"
046051	1/8-5/32-3/16-7/32-1/4-5/16-3/8-7/16-1/2"
046061	1/8-5/32-3/16-7/32-1/4-5/16-3/8-7/16-1/2-9/16-5/8-3/4"

Black keys for hex screws, long

045 METRIC LONG



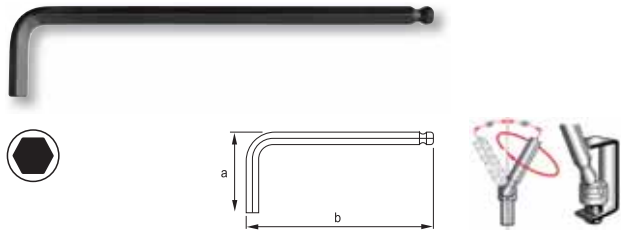
- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Standard: ISO2936

R		mm	a mm	b mm	g
045801	10	1.5	15	91	1
045811	10	2.0	18	102	3
045821	10	2.5	21	114	5
045831	10	3.0	23	129	8
045841	10	4.0	29	144	17
045851	10	5.0	33	165	31
045861	10	6.0	38	186	51
045871	10	7.0	41	197	64
045881	5	8.0	44	208	100
045891	5	9.0	47	219	134
045901	5	10.0	50	234	175
045921	2	12.0	57	262	283
045941	2	14.0	70	294	439



# Black keys for hex screws, long

## 047 LONG BALL END, METRIC



- High quality steel, entirely hardened. Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Ball end allows to easily insert the key in the screw head from a range of angles
- More efficient and time saving than a standard hex key
- Standard: ISO2936

R		mm	a mm	b mm	g
047001	10	1.5	15	91	1
047011	10	2.0	18	102	3
047021	10	2.5	21	114	5
047031	10	3.0	23	129	8
047041	10	4.0	29	144	17
047051	10	5.0	33	165	31
047061	10	6.0	38	186	50
047081	10	8.0	44	208	100
047101	5	10.0	50	234	171
047121	2	12.0	57	262	275

### METRIC

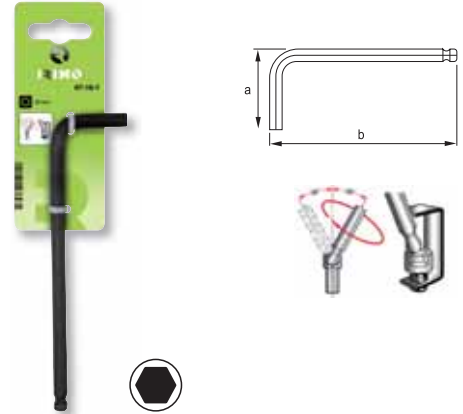


- Set of long ball end hex keys, 9 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the lid, for an easy identification
- In blister packaging

R		pcs.	g
48-9-H	1	9	360

48-9-H 1.5-2-2.5-3-4-5-6-8-10 mm

## 047 LONG BALL END, METRIC



- High quality steel, entirely hardened. Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Ball end allows to easily insert the key in the screw head from a range of angles
- More efficient and time saving than a standard hex key
- Standard: ISO2936

R		mm	a mm	b mm	g
47-00-1	1	1.5	14.5	62.5	6.0
47-01-1	1	2.0	17.0	76.0	7.2
47-02-1	1	2.5	19.5	85.5	8.8
47-03-1	1	3.0	22.0	91.0	11.0
47-04-1	1	4.0	28.0	102.0	17.6
47-05-1	1	5.0	32.0	118.0	28.0
47-06-1	1	6.0	37.0	139.0	44.4
47-08-1	1	8.0	43.0	155.0	82.6
47-10-1	1	10.0	49.0	177.0	144.0

### INCHES



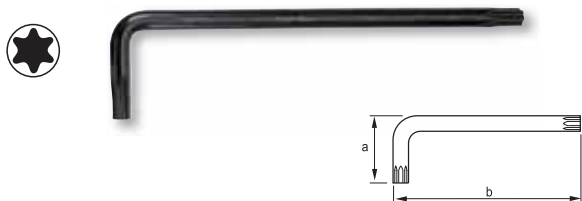
- Set of long ball end hex keys, 13 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the lid, for an easy identification
- In blister packaging

R		pcs.	g
48A-13-H	1	13	360

48A-13-H 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"

## Black keys for Torx® screws

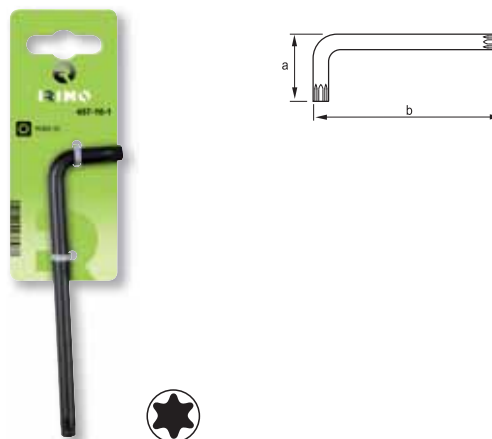
### BLACK KEYS FOR TORX® SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility

R	Box	Recycle	a mm	b mm	g
457061	5	T-6	15	75	4
457071	5	T-7	16	80	4
457081	5	T-8	16	80	5
457091	5	T-9	16	80	5
457101	5	T-10	17	86	6
457151	5	T-15	18	90	10
457201	5	T-20	19	95	11
457251	5	T-25	20	100	17
457271	5	T-27	21	105	19
457301	5	T-30	24	114	29
457401	5	T-40	26	124	43
457451	5	T-45	29	133	61
457501	5	T-50	32	152	88

### BLACK KEYS FOR TORX® SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility

R	Box	Recycle	a mm	b mm	g
457-10-1	1	T10	17	86	10.0
457-15-1	1	T15	18	90	12.2
457-20-1	1	T20	19	95	15.2
457-25-1	1	T20	20	100	18.8
457-27-1	1	T27	21	105	23.2
457-30-1	1	T30	24	114	28.0
457-40-1	1	T40	26	124	48.2
457-45-1	1	T45	29	133	66.4
457-50-1	1	T50	32	152	94.2

### BLACK KEY SET FOR TORX® SCREWS



- Set of long black finish offset screwdrivers for Torx® head screws, 9 pieces
- All sizes marked on the holder for an easy selection
- Hanging hole
- In blister packaging

R	Box	pcs.	g
458-9-H	10	9	290

458-9-H T10, T15, T20, T25, T27, T30, T40, T45, T50

### BLACK KEY SET FOR TORX® SCREWS



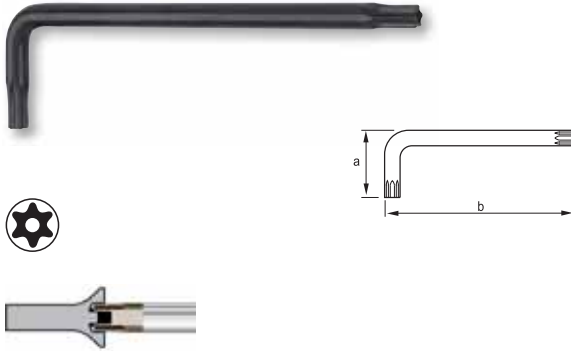
- Set of black finish offset screwdrivers for Torx® head screws, 8 pieces
- Impact resistant holder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- In blister packaging

R	Box	pcs.	g
458-8-F	1	8	160

458-8-F T9, T10, T15, T20, T25, T27, T30, T40

## Black keys for Torx® tamper resistant screws

### BLACK KEYS FOR TORX® TAMPER RESISTANT SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for easy identification
- Long arm provides higher torque transmission and accessibility

Part No.	Box Qty	Material	a mm	b mm	Ø mm	g
454091	5	TR9	16	80	3.0	4
454101	5	TR10	17	86	3.0	5
454151	5	TR15	18	90	4.0	8
454201	5	TR20	19	95	4.0	11
454251	5	TR25	20	100	5.0	17
454271	5	TR27	21	105	5.0	19
454301	5	TR30	24	114	6.0	29
454401	5	TR40	26	124	7.0	43

### BLACK KEY SETS FOR TORX® TAMPER RESISTANT SCREWS



- Set of long black finish offset screwdrivers for Torx® tamper head screws, 9 pieces
- All sizes marked on the holder for an easy selection
- Hanging hole
- In blister packaging

Part No.	Box Qty	pcs.	g
454-9-H	10	9	290

454-9-H TR10, TR15, TR20, TR25, TR27, TR30, TR40, TR45, TR50

### BLACK KEY SETS FOR TORX® TAMPER RESISTANT SCREWS



- Set of black finish offset screwdrivers for Torx® tamper head screws, 8 pieces
- Impact resistant holder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- In blister packaging

Part No.	Box Qty	pcs.	g
454-8-F	1	9	160

454-8-F TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40

## 1/4" Bits

### 1/4" BITS FOR SLOTTED SCREWS, 25 MM



x10

- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 10 pieces

Part No.	Box	W mm	H mm	L mm	g
475-4-1	1	0.5	4.0	25	35
475-4.5-1	1	0.6	4.5	25	35
475-5.5-1	1	0.8	5.5	25	35
475-6.0-1	1	1.0	6.0	25	35
475-6.5-1	1	1.2	6.5	25	35
475-8.0-1	1	1.6	8.0	25	35

### 1/4" BITS FOR PHILLIPS SCREWS, 25 MM



x10

- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 10 pieces

Part No.	Box	Drive	L mm	g
475-PH0-1	1	PH-0	25	35
475-PH1-1	1	PH-1	25	35
475-PH2-1	1	PH-2	25	35
475-PH3-1	1	PH-3	25	35

### 1/4" BITS FOR PHILLIPS SCREWS, 50 MM



x5

- Drive: 1/4" DIN 3126-E 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

Part No.	Box	Drive	L mm	g
475-50PH1-1	1	PH-1	50	70
475-50PH2-1	1	PH-2	50	70
475-50PH3-1	1	PH-3	50	77

### 1/4" BITS FOR PHILLIPS DRY WALL SCREWS, 25 MM



x10

- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: Grabber bits for drywall screws
- With reduced nose diameter 4.8 mm
- In plastic box of 10 pieces

Part No.	Box	Drive	L mm	g
475-PH2G-1	1	PH-2G	25	35

1

2

3

4

5

6

7

8

9

10

11

12

# 1/4" Bits

## 1/4" BITS FOR POZIDRIV SCREWS, 25 MM



x10



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 10 pieces

Part No.	Box	Drive	Length (mm)	Weight (g)
475-PZ0-1	1	PZ-0	25	35
475-PZ1-1	1	PZ-1	25	35
475-PZ2-1	1	PZ-2	25	35
475-PZ3-1	1	PZ-3	25	35

## 1/4" BITS FOR POZIDRIV SCREWS, 50 MM



x5



- Drive: 1/4" DIN 3126-E 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

Part No.	Box	Drive	Length (mm)	Weight (g)
475-50PZ1-1	1	PZ-1	50	70
475-50PZ2-1	1	PZ-2	50	70
475-50PZ3-1	1	PZ-3	50	77

## 1/4" BITS FOR TORX® SCREWS, 25 MM



x10



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 10 pieces (T30/T40 packed in box of 5 pieces)

Part No.	Box	Drive	Length (mm)	Weight (g)
475-T6-1	1	T6	1.70	25
475-T7-1	1	T7	1.99	25
475-T8-1	1	T8	2.31	25
475-T9-1	1	T9	2.50	25
475-T10-1	1	T10	2.74	25
475-T15-1	1	T15	3.27	25
475-T20-1	1	T20	3.86	25
475-T25-1	1	T25	4.43	25
475-T27-1	1	T27	4.99	25
475-T30-1	1	T30	5.52	25
475-T40-1	1	T40	6.65	25

## 1/4" BITS FOR TORX® TAMPER SCREWS, 25 MM



x5



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- Torx® tamper resistant screws have a centre pin to prevent a standard Torx® driver to be inserted
- In plastic box of 5 pieces

Part No.	Box	Drive	Length (mm)	Weight (g)
475-TR10-1	1	T10	2.74	25
475-TR15-1	1	T15	3.27	25
475-TR20-1	1	T20	3.86	25
475-TR25-1	1	T25	4.43	25
475-TR27-1	1	T27	4.99	25
475-TR30-1	1	T30	5.52	25
475-TR40-1	1	T40	6.65	25



1/4" BITS FOR HEXAGONAL SCREWS, 25 MM



x5



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

Part No.	Box	Hex (mm)	Length (mm)	Weight (g)
475-H3-1	1	3	25	30
475-H4-1	1	4	25	35
475-H5-1	1	5	25	40
475-H6-1	1	6	25	45

1/4" POWER MAGNETIC NUT DRIVER



- Drive: 1/4" DIN 3126-E 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- With strong magnet
- Hexagon socket
- In plastic holder (1 piece)

Part No.	Box	Hex (mm)	Hex (inch)	Length (mm)	Length (inch)	Weight (g)
474M-5.5-1	1	5,5	1/4"	11,5	50	25
474M-7-1	1	7	1/4"	12	50	28
474M-8-1	1	8	1/4"	12,5	50	31
474M-10-1	1	10	1/4"	14,5	50	36
474M-13-1	1	13	1/4"	17	50	40

1/4" POWER MAGNETIC NUT DRIVER SET



- Drive: 1/4" DIN3126 E 6,3, ISO1173
- Finish: sandblasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- With strong magnet
- Hexagon socket. In blister packaging

Part No.	Box	pcs.	Weight (g)
474M-5-H	1	5	134

474M-5-H 5.5, 7, 8, 10, 13 mm

ADAPTOR 1/4", 25 MM



- Drive: 1/4" DIN 3126-A 6,3, ISO1173
- Finish: black finish
- Material: high performance alloy steel
- Hexagonal male to square male DIN3120
- In plastic bag (1 piece)
- Retail package

Part No.	Box	Hex (inch)	Hex (inch)	Length (mm)	Weight (g)
475A-25-1	1	1/4"	1/4"	25	5

ADAPTOR 1/4", 50 MM



- Drive: 1/4" DIN 3126-A 6,3, ISO1173
- Finish: black finish
- Material: high performance alloy steel
- Hexagonal male to square male DIN3120
- In plastic holder (1 piece)

Part No.	Box	Hex (inch)	Hex (inch)	Length (mm)	Weight (g)
475A-50-1	1	1/4"	1/4"	50	18

### 1/4" Bits

#### UNIVERSAL HOLDER 1/4", 75 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO1173
- Finish: black finish
- Material: high performance alloy steel
- With strong magnet
- DIN3126 D 6,3
- In plastic holder (1 piece)

475A-M-75-1	1	1/4"	1/4"	75	35

#### QUICK RELEASE BIT HOLDER 1/4", 50 MM



- Drive: DIN 3126-E 6,3, ISO1173
- Material: high performance alloy steel
- DIN3126 D 6,3
- With permanent magnet
- In plastic holder (1 piece)

475A-60QR-1	1	1/4"	1/4"	14	60	15

### 1/4" Bits sets

#### 1/4" BITS SETS, 32 pcs.



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- Display: 475-32-8 Disp 8 sets in blister packaging

		pcs.		
475-32-1	1	32	30x105x65	275
475-32-8DISP	1	8	360x340x260	2.240

475-			0.5x4.0, 0.6x4.5, 0.8x5.5 mm
475-PH			2xPH-1, 2xPH-2, PH-3, PH-2G
475-PZ			2xPZ-1, 2xPZ-2, PZ-3
475-T			T10, 2xT15, 2xT20, 2xT25, T27, 2xT30, T40
475-H			3.0, 4.0, 5.0, 6.0
475A-25-1			1/4" - 1/4" - 25 mm
105-48-1			1/4" - 1/4" - 25 mm
475A-60QR-1			1/4" - 1/4" - 60 mm

#### 1/4" BITS SETS, 61 pcs.



- Drive: 1/4" DIN 3126-C 6,3, ISO1173
- Finish: sand blasting
- Material: high performance alloy steel
- In blister packaging

		pcs.		
475-61-1	1	61	35x148x112	549

475-			0.5x4.0, 0.6x4.5, 0.8x5.5, 1.0x6.0, 1.2x6.5, 1.6x8.0 mm
475-PH			PH-0, 2xPH-1, 3xPH-2, 2xPH-3, PH-4, 2xPH2G
475-PZ			PZ-0, 2xPZ-1, 3xPZ-2, 2xPZ-3, PZ-4
475-T			T6, T7, T8, T9, 2xT10, 2xT15, 3xT20, 2xT25, 2xT27, 2xT30, 2xT40
475-TR			T10, T15, T20, T25, T27, T30, T40
475-H			3.0, 4.0, 5.0, 6.0
-			1, 2, 3
475A-25-1			1/4" - 1/4" - 25 mm
475A-60QR-1			1/4" - 1/4" - 60 mm

## 5/16" Bits

## 5/16" BITS FOR SLOTTED SCREWS



x2



- Drive: 5/16" DIN 3126-C 8, ISO1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

R					
		mm	mm	mm	g
470-5.5-1	1	1.0	5.5	36	18
470-6.5-1	1	1.2	6.5	36	20
470-8.0-1	1	1.2	8.0	36	22
470-10.0-1	1	1.6	10.0	36	30
470-12.0-1	1	2.0	12.0	36	36
470-14.0-1	1	2.5	14.0	36	38

## 5/16" BITS FOR PHILLIPS SCREWS



x2



- Drive: 5/16" DIN 3126-C 8, ISO1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

R				
			mm	g
470-PH1-1	1	PH-1	36	22
470-PH2-1	1	PH-2	36	24
470-PH3-1	1	PH-3	36	25
470-PH4-1	1	PH-4	36	28

## 5/16" BITS FOR HEXAGONAL SCREWS



x2



- Drive: 5/16" DIN 3126-C 8, ISO1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

R				
		mm	mm	g
470-H4-1	1	4	36	25
470-H5-1	1	5	36	26
470-H6-1	1	6	36	27
470-H7-1	1	7	36	28
470-H8-1	1	8	36	29
470-H10-1	1	10	36	36

## 5/16" BITS FOR TORX® SCREWS



x2

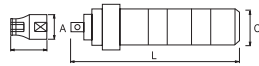


- Drive: 5/16" DIN 3126-C 8, ISO1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

R					
			mm	mm	g
470-T20-1	1	T20	3.86	36	21
470-T25-1	1	T25	4.43	36	22
470-T27-1	1	T27	4.99	36	24
470-T30-1	1	T30	5.52	36	24
470-T40-1	1	T40	6.65	36	27
470-T45-1	1	T45	7.82	36	27
470-T50-1	1	T50	8.83	36	27
470-T55-1	1	T55	11.22	36	28

## 5/16" Impact Screwdriver

5/16" IMPACT SCREWDRIVER



- To turn frozen screws
- Converts hammer action on turning driving
- Hammer action guarantees that the bit will remain against the screw
- Square drive 1/2". Bit size 5/16"
- Reversible by positioning the adaptor

470011	1	125	33	24	40	650

5/16" IMPACT SCREWDRIVER ADAPTOR



- Finish: Chrome-plated
- 1/2" square drive
- For 5/16" bits
- With retaining ring

470051	1	40	54

## 5/16" Impact driver bit set, 23 pcs.



- 1 Impact screwdriver, 1/2" square drive
- 1 Bit holding adaptor for screwdriver bits, 5/16" hexagon and 1/2" square drive
- 21 bits of 5/16"
- In black metal box

471011	1	197x70x45	1.280
470-			1.2x8, 1.6x10, 2.0x12.0 mm
470-PH			PH-2, PH-3, PH-4
470-T			T20, T25, T27, T30, T40, T45, T50, T55
470-H			4, 5, 6, 7, 8, 9, 10 mm
470011			5/16"

## 10 mm bits

### 10 MM BITS FOR HEXAGONAL SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

Q	Box	mm	L mm	g
T49H4	1	4	30	5
T49H5	1	5	30	6,5
T49H6	1	6	30	7
T49H7	1	7	30	7
T49H8	1	8	30	7
T49H10	1	10	30	7
T49H12	1	12	30	12
T49H14	1	14	30	14
T49H4L	1	4	75	20
T49H5L	1	5	75	20
T49H6L	1	6	75	20
T49H7L	1	7	75	20
T49H8L	1	8	75	20
T49H10L	1	10	75	20
T49H12L	1	12	75	20
T49H10XL	1	10	115	75

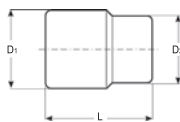
### 10 MM BITS FOR TORX® SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

Q	Box	Symbol	mm	L mm	g
T49T20	1	T20	3,84	30	6,5
T49T25	1	T25	4,4	30	6,5
T49T27	1	T27	4,96	30	6,5
T49T30	1	T30	5,49	30	6,5
T49T40	1	T40	6,6	30	6,5
T49T45	1	T45	7,7	30	6,5
T49T50	1	T50	8,79	30	6,5
T49T55	1	T55	11,17	30	6,5
T49T60	1	T60	13,2	30	6,5
T49T20L	1	T20	3,84	75	20
T49T25L	1	T25	4,4	75	20
T49T27L	1	T27	4,96	75	20
T49T30L	1	T30	5,49	75	20
T49T40L	1	T40	6,6	75	20
T49T45L	1	T45	7,7	75	20
T49T50L	1	T50	8,79	75	20
T49T55L	1	T55	11,17	75	20
T49T60L	1	T60	13,2	75	20
T49T55XL	1	T55	11,17	115	75

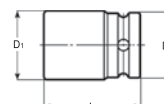
### 1/2" ADAPTOR FOR 10 MM BITS



- 1/2" Adaptor for 10 mm bits
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

Q	Box	mm	L mm	D1 mm	D2 mm	g
T4901	1	10	36	17	22	55

### 3/8" ADAPTOR FOR 10 MM BITS



- 3/8" Adaptor for 10 mm bits
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

Q	Box	mm	L mm	D1 mm	D2 mm	g
T4902	1	10	35	15	10	32



## 10 mm bits

### 10 MM BITS FOR TORX® TAMPER SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

R	Icon	Icon	Icon	L mm	g
T49T20H	1	TR20	3,84	30	6,5
T49T25H	1	TR25	4,4	30	6,5
T49T27H	1	TR27	4,96	30	6,5
T49T30H	1	TR30	5,49	30	6,5
T49T40H	1	TR40	6,6	30	6,5
T49T45H	1	TR45	7,7	30	6,5
T49T50H	1	TR50	8,79	30	6,5
T49T55H	1	TR55	11,17	30	6,5
T49T60H	1	TR60	13,2	30	6,5
T49T20HL	1	TR20	3,84	75	20
T49T25HL	1	TR25	4,4	75	20
T49T27HL	1	TR27	4,96	75	20
T49T30HL	1	TR30	5,49	75	20
T49T40HL	1	TR40	6,6	75	20
T49T45HL	1	TR45	7,7	75	20
T49T50HL	1	TR50	8,79	75	20
T49T55HL	1	TR55	11,17	75	20
T49T60HL	1	TR60	13,2	75	20

### 10 MM BITS FOR XZN SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

R	Icon	Icon	L mm	g
T49M5	1	M5	30	6,5
T49M6	1	M6	30	7
T49M8	1	M8	30	7
T49M10	1	M10	30	8,5
T49M12	1	M12	30	10
T49M14	1	M14	30	20
T49M5L	1	M5	75	15
T49M6L	1	M6	75	15
T49M8L	1	M8	75	15
T49M10L	1	M10	75	15
T49M12L	1	M12	75	15

### 10 MM SQUARE BITS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

R	Icon	Icon	L mm	g
T49SQ8	1	8	30	17
T49SQ10	1	10	30	22

# 1/2" Socket drivers for Torx® tamper screws

## SOCKET DRIVERS T49T\_L



- 1/2" socket drivers for Torx® tamper screws
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

R				L mm	L1 mm	g
T49T30XL	1	TR30	1/2"	200	160	122
T49T40XL	1	TR40	1/2"	200	160	123
T49T45XL	1	TR45	1/2"	200	160	125
T49T70HL	1	TR70	1/2"	100	60	167
T49T80HL	1	TR80	1/2"	100	30	163

## 10 MM BITS SET, 31 pcs.



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In metal box

R		pcs.	mm	g
471151	1	31	37x195x105	1.270
T4901	○			1/2" - 10 mm
T49H	●		H5, H6, H8, H10, H12, H14 x 30 mm	
T49H_L	●		H6, H8 x 70 mm	
T49H_XL	●		H10 x 115 mm	
T49M	⊗		M5, M6, M8, M10, M12, M14 x 30 mm	
T49M_L	⊗		M8, M10, M12 x 75 mm	
T49T	⊛		T20, T25, T27, T30, T40, T45, T50, T55 x 30 mm	
T49T_L	⊛		T45 x 70 mm	
T49T_XL	⊛		T55 x 115 mm	
T49SQ	■		8, 10 x 30 mm	

## 10 MM BITS SET, 49 pcs.



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In metal box

R		pcs.	mm	g
T49		49	60x325x195	3.600
T4901	○			1/2" - 10 mm
T4902	○			3/8" - 10 mm
T49T30XL	⊛			TR30 - 200 mm
T49T40XL	⊛			TR40 - 200 mm
T49T45XL	⊛			TR45 - 200 mm
T49T70HL	⊛			TR70 - 200 mm
T49T80HL	⊛			TR80 - 200 mm
T49H	●		H4, H5, H6, H7, H8, H10, H12 x 30 mm	
T49H_L	●		H4, H5, H6, H7, H8, H10, H12 x 75 mm	
T49M	⊗		M5, M6, M8, M10, M12 x 30 mm	
T49M_L	⊗		M5, M6, M8, M10, M12 x 75 mm	
T49T_H	⊛		TR20, TR25, TR27, TR30, TR40, TR45, TR50, TR55, TR60 x 30 mm	
T49T_HL	⊛		TR20, TR25, TR27, TR30, TR40, TR45, TR50, TR55, TR60 x 75 mm	



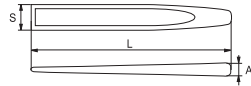


**IRIMO**

8. STRIKING TOOLS

# Punches and Chisels

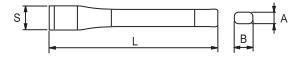
## COLD CHISELS



- Chrome vanadium
- Standard: UNE16567

R	Icon	L mm	S mm	A mm	g
501-150-1	10	150	18	10	133
501-175-1	10	175	21	11	192
501-200-1	10	200	22	12	243
501-250-1	10	250	25	13	357
501-300-1	10	300	26	14	552

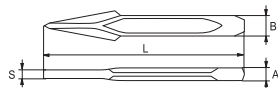
## FLAT COLD CHISELS



- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Flat oval shank
- Standard: DIN7250

R	Icon	L mm	S mm	AxB mm	g
504-150-1	5	150	21	11x17	181
504-175-1	5	175	24	12x20	269
504-200-1	5	200	28	13x23	390
504-250-1	5	250	28	13x23	500
504-300-1	5	300	32	13x26	602

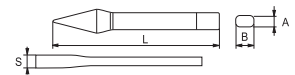
## CAPE CHISELS



- Chrome vanadium
- Standard: UNE16568

R	Icon	L mm	S mm	AxB mm	g
505-150-1	5	150	6,5	11x17	129
505-200-1	5	200	8,5	12x21	241
505-250-1	5	250	9,5	14x24	404

## FLAT CAPE CHISELS

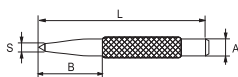


- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Flat oval shank
- Standard: DIN7250

R	Icon	L mm	S mm	AxB mm	g
506-150-1	5	150	6	11x17	152
506-175-1	5	175	7	12x20	231
506-200-1	5	250	8	13x23	335



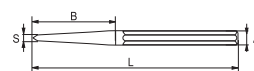
### ROUND CENTRE PUNCHES



- Black finish
- Standard: UNE16574

R		S mm	L mm	A mm	B mm	
511-100-1	10	2,5	100	8	35	31
511-105-1	10	4	105	8	35	34
511-110-1	10	5	110	8	40	37
511-115-1	10	6	115	10	45	60
511-130-1	10	8	130	12	50	98

### OCTAGONAL CENTRE PUNCHES



- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Octagonal shank
- Standard: DIN7250

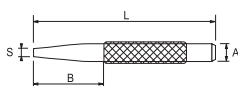
R		S mm	L mm	A mm	B mm	
512-010-1	10	4	120	10	40	62
512-012-1	10	4	120	12	40	88

### ROUND CENTRE PUNCH SETS



R		pcs.		
511-91-4	1	4	2,5 - 4 - 6 - 8 mm	234
511-92-4	1	5	2,5 - 4 - 5 - 6 - 8 mm	275

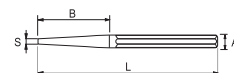
### ROUND TAPER PUNCHES



- Black finish
- Standard: UNE16576

R		S mm	L mm	A mm	B mm	
513-002-1	10	2	100	8	35	31
513-003-1	10	3	100	8	35	32
513-004-1	10	4	115	10	45	55
513-005-1	10	5	115	10	45	59
513-006-1	10	6	130	12	50	94
513-008-1	10	8	150	12	55	117
513-010-1	10	10	170	14	60	183

### OCTAGONAL TAPER PUNCHES



- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Octagonal shank
- Standard: DIN6458

R		S mm	L mm	A mm	B mm	
514-002-1	5	2	120	10	40	60
514-003-1	5	3	120	10	40	60
514-004-1	5	4	120	10	40	62
514-005-1	5	5	120	10	40	64
514-006-1	5	6	120	12	40	93

- 1
- 2
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- 11
- 12

# Punches and Chisels

## ROUND TAPER PUNCH SET



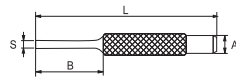
IRIMO	pcs.	Diagram	g	
513-91-4	1	5	2 - 4 - 6 - 8 - 10 mm	502
513-92-4	1	7	2 - 3 - 4 - 5 - 6 - 8 - 10 mm	602

## OCTAGONAL TAPER PUNCH SETS



IRIMO	pcs.	Diagram	g	
519-91-4	1	6	150x80x12	409
514-002-1, 514-003-1, 514-004-1, 514-005-1, 514-006-1			2 - 3 - 4 - 5 - 6 mm	
512-010-1			4 mm	

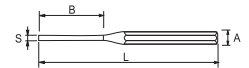
## ROUND PARALLEL PIN PUNCHES



- Black finish
- Standard: UNE16575

IRIMO	S mm	L mm	A mm	B mm	g	
515-002-1	10	2	100	8	28	29
515-003-1	10	3	100	8	28	30
515-004-1	10	4	100	8	28	31
515-005-1	10	5	115	10	33	53
515-006-1	10	6	115	10	33	55
515-007-1	10	7	115	10	33	58
515-008-1	10	8	130	12	43	91
515-009-1	10	9	130	12	43	96
515-010-1	10	10	130	14	53	143

## OCTAGONAL PARALLEL PIN PUNCHES



- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Octagonal shank
- Standard: DIN6450

IRIMO	S mm	L mm	A mm	B mm	g	
516-002-1	5	2	150	10	35	63
516-003-1	5	3	150	10	40	63
516-004-1	5	4	150	10	50	63
516-005-1	5	5	150	10	50	64
516-006-1	5	6	150	10	50	70
516-008-1	5	8	150	12	55	106

ROUND PARALLEL PIN PUNCH SET



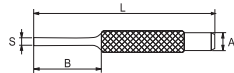
		pcs.		
515-91-4	1	9	2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 mm	622

OCTAGONAL PARALLEL PIN PUNCH SETS



		pcs.		
519-92-4	1	6	2 - 3 - 4 - 5 - 6 - 8 mm	409

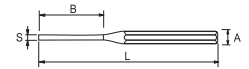
ROUND PARALLEL PIN PUNCHES, LONG SERIES



- Black finish
- Standard: UNE16575

		S mm	L mm	A mm	B mm	
517-120-1	5	2	120	8	30	33
517-130-1	5	3	130	8	40	35
517-135-1	5	4	135	8	45	37
517-140-1	5	5	140	10	50	60
517-145-1	5	6	145	10	55	64
517-150-1	5	8	150	12	60	100

OCTAGONAL PARALLEL PIN PUNCHES, LONG SERIES



- Finish: lacquered, copper coloured, safety impact head
- Octagonal shank
- Long length

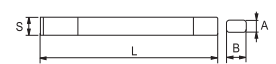
		S mm	L mm	A mm	B mm	
518-004-1	5	4	175	10	80	61
518-006-1	5	6	175	10	80	72

ROUND PARALLEL PIN PUNCH SETS, LONG SERIES



		pcs.		
517-91-4	1	6	2 - 3 - 4 - 5 - 6 - 8 mm	355

EXTRAFLAT COLD CHISEL



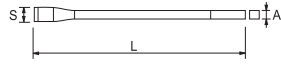
- Chrome molib. vanadium
- Finish: lacquered, copper coloured, safety impact head
- Flat oval shank

		L mm	S mm	A mm	B mm	
502-230-1	5	230	26	7	26	285



## Punches and Chisels

### ELECTRICIAN'S COLD CHISELS



- Chrome molib. vanadium

R	Icon	L mm	S mm	A mm	g
503-200-1	5	200	12	8	93
503-250-1	5	250	12	8	119
503-300-1	5	300	12	8	142

### SET



R	Icon	pcs.	Dimensions	g
519-93-4		6	160x85x12	600
504-150-1			150 mm	
506-150-1			150 mm	
512-010-1			4 mm	
514-003-1			3 mm	
514-004-1			4 mm	
516-005-1			5 mm	

## Engineers scribers

### ENGINEERS SCRIBERS



R	Icon	L mm	g
511501	1	150	39

## Wrecking bars

### WRECKING BAR



- Heavy duty tool for striking tasks
- Designed for a good penetration in very narrow places and nails provided
- With special designed claw areas to facilitate nail extraction
- Smooth finishing and high quality Paint to get a comfortable use

R	Icon	Ø mm	L mm	g
WB-300-2	1	14	346	450
WB-500-2	1	16	487	1.100
WB-625-2	1	17	685	1.450
WB-710-2	1	17	704	1.950
WB-900-2	1	20	890	2.850

# Hammers

## CURVED CLAW HAMMER WITH WOODEN HICKORY HANDLE



- Handle fitting to hammer head with wedges

Q	Icon	oz	g	A mm	B mm	L mm	g	
520-41-2		6	16	450	29	130	330	710
520-61-2		6	20	560	30	140	333	820

## CURVED CLAW HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

Q	Icon	oz	g	A mm	B mm	L mm	g	
520-43-2		6	16	450	29	130	330	710
520-63-2		6	20	560	30	140	333	820

## SPARE WOODEN HICKORY HANDLE FOR CURVED CLAW HAMMERS



- Served with corresponding wedges

Q	Icon	g
520-42-2		12
520-41-2 / 520-61-2		

## STUBBY CLAW HAMMER



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip
- Magnet on the head for holding the nail

Q	Icon	oz	g	A mm	B mm	L mm	g	
520-13S-1		6	8	227	23	105	160	300

## SPANISH TYPE CURVED CLAW HAMMER WITH WOODEN HICKORY HANDLE



- Handle has conical fitting to the hammer head

Q	Icon	g	A mm	B mm	L mm	g	
521-51-2		6	350	28,2	107,3	330	500
521-71-2		6	475	31,1	118,3	330	625
521-81-2		6	550	31,6	125,5	330	700

## SPANISH TYPE CURVED CLAW HAMMER WITH FIBREGLASS HANDLE



- Handle has conical fitting to hammer head
- Conical trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

Q	Icon	g	A mm	B mm	L mm	g	
521-53-2		6	350	28,2	107,3	330	500
521-73-2		6	475	31,1	118,3	330	625
521-83-2		6	550	31,6	125,5	327	700

## SPARE WOODEN HICKORY HANDLE FOR SPANISH TYPE CURVED CLAW HAMMERS



- Conical hickory handle

Q	Icon	g
521-52-2		18
521-51-2 / 521-71-2		
521-82-2		18
521-81-2		

## SPARE FIBREGLASS HANDLE FOR SPANISH TYPE CURVED CLAW HAMMERS



- Conical trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

Q	Icon	g
521-54-2		18
521-53-2 / 521-73-2		
521-84-2		18
521-83-2		

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# Hammers

## JOINER'S HAMMER WITH WOODEN HICKORY HANDLE



- Handle fitted with wedges to hammer head

R	Icon	g	A mm	B mm	L mm	g
522-21-2	12	170	20	91	282	270
522-31-2	6	270	25	107	291	380
522-41-2	6	460	30	120	311	680

## SPARE WOODEN HICKORY HANDLE FOR JOINER'S HAMMERS



- Served with corresponding wedges

R	Icon	Icon
522-22-2	18	522-21-2
522-32-2	18	522-31-2
522-42-2	18	522-41-2

## JOINER'S HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip

R	Icon	g	A mm	B mm	L mm	g
522-23-2	12	170	20	91	282	270
522-33-2	6	270	25	107	291	380
522-43-2	6	460	30	120	311	680

## GERMAN DIN HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

R	Icon	g	A mm	B mm	L mm	g
525-21-2	6	A	200	19	95	280
525-31-2	6	B	300	23	105	300
525-41-2	6	C	500	27	118	320
525-61-2	6	D	800	33	130	350
525-71-2	4	E	1.000	36	135	360
525-81-2	4	F	1.500	42	145	380

## SPARE WOODEN HICKORY HANDLE FOR GERMAN DIN HAMMERS



- Served with corresponding wedges

R	Icon	Icon
525-22-2	12	525-21-2 (A)
525-32-2	12	525-31-2 (B)
525-42-2	12	525-41-2 (C)
525-62-2	12	525-61-2 (D)
525-72-2	12	525-71-2 (E)
525-82-2	12	525-81-2 (F)

## GERMAN DIN HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip

R	Icon	g	A mm	B mm	L mm	g
525-43-2	6	500	27	118	330	735



### RIVOIR HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

R	📦	g	A mm	B mm	L mm	g
526-31-2	4	250	25	81,5	265	350
526-41-2	4	400	30	92	280	520
526-51-2	4	630	35	103	300	800
526-61-2	4	800	40	110	330	1.000
526-71-2	4	1.150	45	124	350	1.400
526-91-2	4	2.000	50	138	380	2.250

### SPARE WOODEN HICKORY HANDLE FOR RIVOIR HAMMERS



- Served with corresponding wedges

R	📦	🔧
526-32-2	12	526-31-2
526-42-2	12	526-41-2
526-52-2	12	526-51-2
526-62-2	12	526-61-2
526-72-2	12	526-71-2
526-92-2	12	526-91-2

### RIVOIR HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

R	📦	g	A mm	B mm	L mm	g
526-53-2	6	630	35	103	330	630

### BALL PEIN HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

R	📦	oz	g	A mm	B mm	L mm	g	
527-31-2	6	B	12	340	27	87	318	440
527-41-2	6	C	16	455	30	97	318	560
527-51-2	6	D	20	560	33	106	318	720
527-61-2	6	E	24	680	35	116	343	920
527-71-2	6	F	32	910	37	127	343	1.148
527-81-2	6	G	40	1.135	38	134	378	1.400
527-91-2	6	H	48	1.360	40	144	385	1.640

### SPARE WOODEN HICKORY HANDLE FOR BALL PEIN HAMMERS



- Served with corresponding wedges

R	📦	🔧
527-32-2	18	527-31-2 (B) / 527-41-2 (C) / 527-51-2 (D)
527-52-2	12	527-61-2 (E) / 527-71-2 (F)
527-82-2	12	527-81-2 (G) / 527-91-2 (H)

### BALL PEIN HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

R	📦	oz	g	A mm	B mm	L mm	g	
527-33-2	6	B	12	340	27	90	317	500
527-43-2	6	C	16	455	30	100	320	600
527-53-2	6	D	20	560	33	108	324	760
527-63-2	6	E	24	680	35	120	335	920
527-73-2	6	F	32	910	37	131	337	1.148
527-83-2	6	G	40	1.135	38	139	387	1.400
527-93-2	6	H	48	1.360	40	148	390	1.640

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# Hammers

## SPANISH STONING HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to the club hammer head

R	Icon	g	A mm	B mm	L mm	g
530-03-2	6	700	35	110	280	800
530-05-2	6	1.000	38	120	280	1.200
530-07-2	6	1.250	43	135	280	1.400

## STONING HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to club hammer head

R	Icon	g	A mm	B mm	L mm	g
531-05-2	6	1.000	40	95	260	1.155
531-07-2	6	1.250	43	100	260	1.405
531-08-2	4	1.500	45	110	280	1.675
531-09-2	2	2.000	50	120	300	2.235

## SPARE WOODEN HICKORY HANDLE FOR SPANISH STONING HAMMERS



- Served with corresponding wedges

R	Icon	Icon
530-13-2	12	530-03-2
530-15-2	12	530-05-2 / 530-07-2

## SPARE WOODEN HICKORY HANDLE FOR STONING HAMMERS



- Served with corresponding wedges

R	Icon	Icon
531-15-2	12	531-05-2
531-17-2	12	531-07-2
531-18-2	12	531-08-2
531-19-2	12	531-09-2

## BLACK RUBBER MALLET



- For flooring and walls

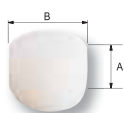
R	Icon	A mm	B mm	L mm	g
529251	1	55	90	320	250
529261	1	65	115	340	440
529271	1	75	125	360	600
529291	1	90	139	360	720

ANTI-BOUNCE NYLON FACED HAMMERS



- Wooden handle

R	Icon	S mm	A mm	L mm	g
529611	6	35	115	370	500
529621	6	50	120	390	1.000
529631	6	60	125	420	1.560



- Anti-bounce nylon tips

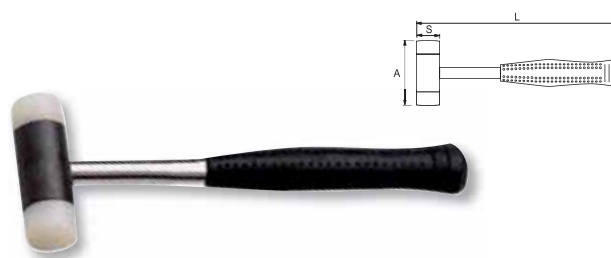
R	Icon	A mm	B mm	g
529701	1	25	35	20
529711	1	28	50	50
529721	1	30	60	60



- Anti-bounce hammer handle

R	Icon	Icon	g
529801	1	529611	90
529811	1	529621	140
529821	1	529631	215

NYLON FACED HAMMERS



- Metal handle, rubber grip

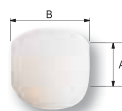
R	Icon	S mm	A mm	L mm	g
529021	6	28	80	255	325
529031	6	35	100	285	650
529041	6	44	125	300	1.105

NYLON FACED HAMMERS



- Wooden handle

R	Icon	S mm	A mm	L mm	g
529151	6	22	65	215	145
529161	6	28	80	270	260
529171	6	35	100	295	500
529181	6	44	125	345	1.010
529191	6	55	140	380	1.480



- Spare tips for nylon faced hammers

R	Icon	A mm	B mm	Ø mm	g
529061	1	12	22	8	10
529071	1	19	28	9	15
529081	1	22	35	10	20
529091	1	27	44	13	50
529101	1	32	55	16	80



- Spare handle for nylon faced hammers

R	Icon	Icon	g
529751	1	529151	50
529761	1	529161	70
529771	1	529171	100
529781	1	529181	150
529791	1	529191	170

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# Chisels

CHISEL SET, 3 pcs.



- General purpose bevel edge wood chisels
- Mono-material polypropylene handle
- High quality Cr-V 58-62 HRC steel blades hardened for long-lasting performance
- Ground blades
- Fitted with a tip protector

		pcs.		
805-3-C	1	3	12, 18, 25 mm	589

CHISEL SET, 6 pcs.



- General purpose bevel edge wood chisels
- Mono-material polypropylene handle
- High quality Cr-V 58-62 HRC steel blades hardened for long-lasting performance
- Ground blades
- Fitted with a tip protector

		pcs.		
805-6-C	1	6	6, 10, 12, 16, 18, 25 mm	1.072

WOOD CARVING SET, 6 pcs.



- Carving chisel set, 6 pcs
- Rubberwood handle
- High quality chrome vanadium steel blades
- Hardness at least up to 55 HRC for durability and easy maintenance
- Black oxide finish and anti-rust oil for protection of rust
- Length of chisels: 160 mm

		pcs.		
806-6-B	1	6	160	221

	1 piece square chisel, 12 mm
	1 piece sken chisel, 12 mm
	1 piece curved gouge, 6.5 mm
	1 piece straight gouge, 5 mm
	1 piece curved flat, 5 mm
	1 piece curved U tool, 12 mm

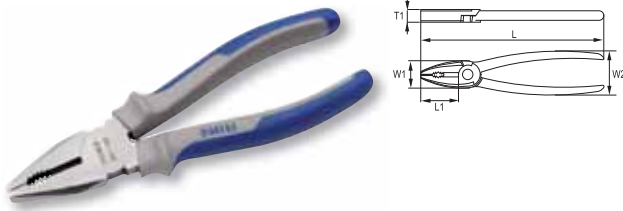


**IRIMO**

9. PLIERS – SCISSORS AND KNIVES

Pliers

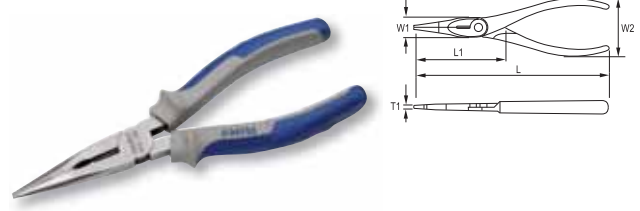
COMBINATION PLIERS



- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO5746
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60-2.00-2.50 mm

R	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	1 mm	2 mm	g
601-160-1	5	160	35	24	50	10	Ø 1.0 mm	Ø 1.6 mm	190
601-180-1	5	180	38	27	50	10	Ø 1.0 mm	Ø 2.0 mm	240
601-200-1	5	197	41.5	29.5	50	10	Ø 1.0 mm	Ø 2.5 mm	300

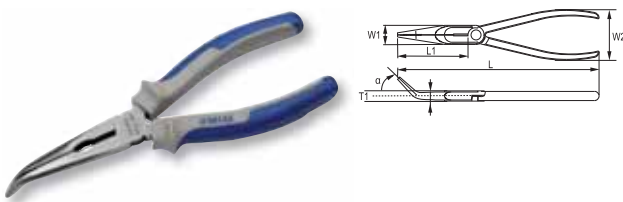
SNIPE NOSE PLIERS



- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO5745
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60 mm

R	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	1 mm	2 mm	g
612-160-1	5	161	61.5	16.5	49	10	Ø 1.0 mm	Ø 1.6 mm	140
612-200-1	5	201	78	18	50	10.5	Ø 1.0 mm	Ø 1.6 mm	180

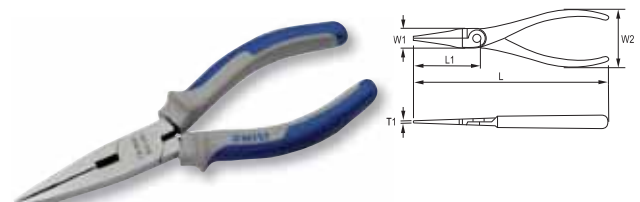
SNIPE NOSE PLIERS BENT TIP



- High performance steel
- Hardness: edges at 58-65 HRC
- Angled at 45°
- Standard: ISO5745
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60 mm

R	Icon	L mm	L1 mm	W1 mm	W2 mm	TA mm	α	1 mm	2 mm	g
613-160-1	5	158	48	18	50	9.0	45°	Ø 1.0 mm	Ø 1.6 mm	132
613-200-1	5	197	74	18	50	10.5	45°	Ø 1.0 mm	Ø 1.6 mm	180

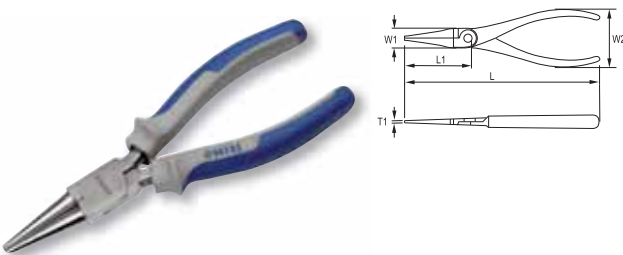
FLAT NOSE PLIERS



- High performance steel
- Hardness: 45-50 HRC
- Standard: ISO5745

R	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	g
604-160-1	5	158	48	17	48	9	150

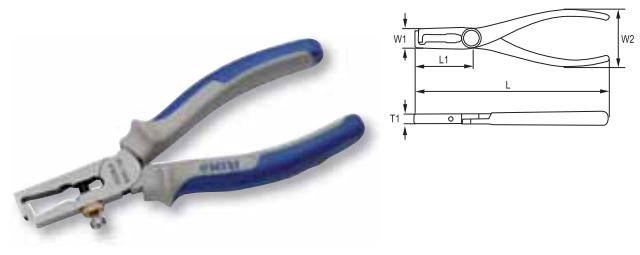
ROUND NOSE PLIERS



- High performance steel
- Hardness: 45-50 HRC
- Standard: ISO5745

R	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	g
608-160-1	5	158	38	17	48	8.5	150

STRIPPING PLIERS

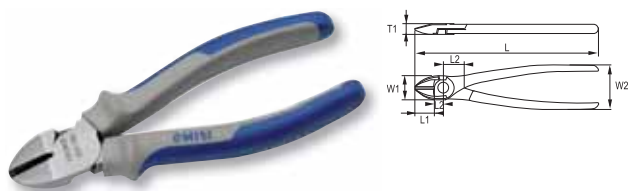


- High performance steel
- Hardness: 45-50 HRC

R	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	1 mm	g
629-160-1	5	160	40.5	19	48	9	1-6	170



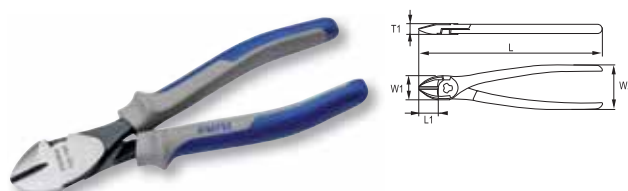
### SIDE CUTTING PLIERS



- High performance steel
- Hardness: edges hardened to 60-65 HRC
- Standard: ISO5749
- Cutting capacity:
  - 1- Bronze wire: 0.50 mm
  - 2- Medium hard wire: 1.60 mm

Q	Icon	L mm	L1 mm	L2 mm	W1 mm	W2 mm	T1 mm	Icon	Icon	g	
624-140-1		5	142	20.5	6	12	18.6	50	10	Ø 0.5 mm Ø 1.6 mm	170
624-160-1		5	160	21.5	7	13	21.6	50	11.5	Ø 0.5 mm Ø 1.6 mm	200
624-180-1		5	176	24.5	7	14	25.6	50	12.5	Ø 0.5 mm Ø 1.6 mm	250

### SIDE CUTTING PLIERS



- High performance steel
- Hardness: edges at 60-65 HRC
- Standard: ISO5749
- Cutting capacity:
  - 1- Bronze wire: 0.50 mm
  - 2- Medium hard wire: 1.80-2.00 mm

Q	Icon	L mm	L1 mm	W1 mm	W2 mm	T1 mm	Icon	Icon	g	
625-180-1		5	180	20.5	25.6	49	11.5	Ø 0.5 mm	Ø 1.8 mm	280
625-200-1		5	206	23	30	54	12	Ø 0.5 mm	Ø 2.0 mm	320

### SLIP JOINT PLIERS



- High performance steel
- Hardness: teeth hardened to 50-57 HRC
- Standard: ISO8976

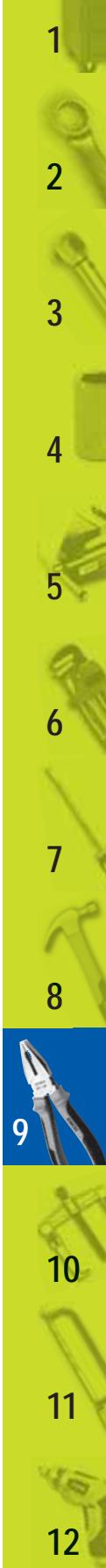
Q	Icon	L mm	W1 mm	W2 mm	W3 mm	T1 mm	T2 mm	g	
634-200-1		5	175	5.8	35.8	41	7	12	170
634-250-1		5	240	5	47.5	50	7.5	12.5	320
634-300-1		5	302	3	52.5	59.6	8	14.5	430

### COPPER ALUMINIUM WIRE CUTTER



- Wire cutting and stripping pliers for copper and aluminium
- Finish: Forged surfaces are black finished and mirror polished
- Material: Carbon steel, PVC coated handles

Q	Icon	L mm	L1 mm	W1 mm	T1 mm	Icon	Icon	g	
655-160-1		5	160	25	25	10	50/35	10	160
655-200-1		5	200	28	30	12	70/50	13	280






Pliers sets

PLIERS SETS






- High performance steel
- Bi-material handles

Q	Box	pcs.	Dimensions	g
601-3-C	1	3	270x205x40	690
601-180-1			 180 mm	
624-160-1			 160 mm	
612-200-1			 200 mm	

PLIERS SETS

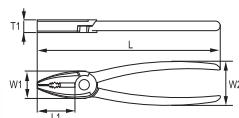


- High performance steel
- Bi-material handles

Q	Box	pcs.	Dimensions	g
602-3-C	1	3	270x205x40	850
601-180-1			 180 mm	
624-160-1			 160 mm	
634-250-1			 250 mm	

Insulated pliers

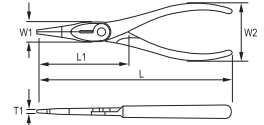
INSULATED COMBINATION PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO5746
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60-2.00-2.50 mm

Q	Box	L mm	L1 mm	W1 mm	W2 mm	T1 mm	1 mm	2 mm	g
601V-160-1	5	160	35	24	50	10	Ø 1.0 mm	Ø 1.6 mm	190
601V-180-1	5	180	38	27	50	10	Ø 1.0 mm	Ø 2.0 mm	240
601V-200-1	5	197	41.5	29.5	50	11	Ø 1.0 mm	Ø 2.5 mm	300

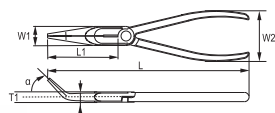
INSULATED SNIPE NOSE PLIERS



- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO5746
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60 mm

Q	Box	L mm	L1 mm	W1 mm	W2 mm	T1 mm	1 mm	2 mm	g
612V-160-1	5	161	61.5	16.5	49	10	Ø 1.0 mm	Ø 1.6 mm	140
612V-200-1	5	201	78	18	50	10.5	Ø 1.0 mm	Ø 1.6 mm	180

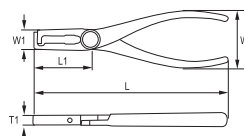
INSULATED SNIPE NOSE PLIERS BENT TIP



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 58-65 HRc
- Angled at 45°
- Standard: ISO5746
- Cutting capacity:
  - 1- Bronze wire: 1.00 mm
  - 2- Medium hard wire: 1.60 mm

IEC 60900	1000V	D'E	GS	L	L1	W1	W2	T1	α	1 mm	2 mm	g
613V-200-1	5	197	74	18	50	10.5	45°	∅ 1.0 mm	∅ 1.6 mm	180		

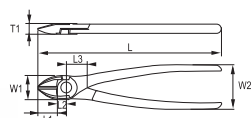
INSULATED STRIPPING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: 45-50 HRc

IEC 60900	1000V	D'E	GS	L	L1	W1	W2	T1	1 mm	2 mm	g
629V-160-1	5	160	40.5	19	48	9	1-6	170			

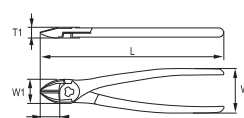
INSULATED SIDE CUTTING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 60-65 HRc
- Standard: ISO5749
- Cutting capacity:
  - 1- Bronze wire: 0.50 mm
  - 2- Medium hard wire: 1.60 mm

IEC 60900	1000V	D'E	GS	L	L1	L2	W1	W2	T1	1 mm	2 mm	g
624V-160-1	5	155	21.5	7	13	21.6	50	11.5	∅ 0.5 mm	∅ 1.6 mm	200	

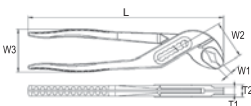
INSULATED HEAVY DUTY SIDE CUTTING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 60-65 HRc
- Standard: ISO5749
- Cutting capacity:
  - 1- Bronze wire: 0.50 mm
  - 2- Medium hard wire: 1.80 mm

IEC 60900	1000V	D'E	GS	L	L1	W1	W2	T1	1 mm	2 mm	g
625V-180-1	5	180	20.5	25.6	49	11.5	∅ 0.5 mm	∅ 1.8 mm	280		

INSULATED SLIP JOINT PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: teeth hardened to 50-57 HRc
- Standard: ISO8976

IEC 60900	1000V	D'E	GS	L	W1	W2	W3	T1	T2	g
634V-250-1	5	240	5	47.5	50	7.5	12.5	310		

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## Insulated pliers sets

### INSULATED PLIERS SET

IEC 60900

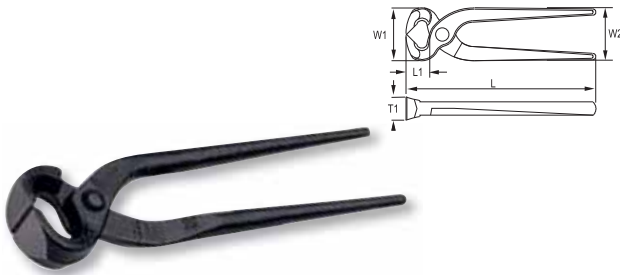


- For work on live equipment, up to 1000V
- High performance steel
- Standard: IEC60900

		pcs.		
601V-3-C	1	3	270x205x40	690
601V-180-1				180 mm
624V-160-1				160 mm
612V-200-1				200 mm

## Pincers and fencing pliers

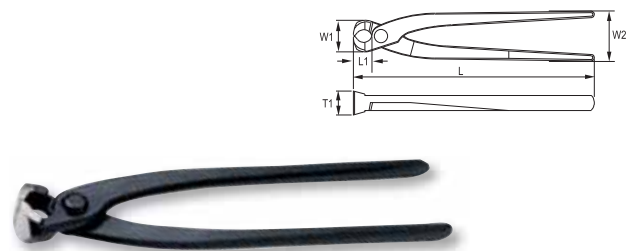
### CARPENTER'S PINCERS



- High performance steel
- Hardness: teeth hardened at 58-64 HRC
- Standard: ISO5746
- Cutting capacity:  
2- Medium hard wire: 1.60 mm

		L mm	L1 mm	W1 mm	W2 mm	T1 mm		
631-200-1	5	200	23	53	45	24	1.6 mm	360

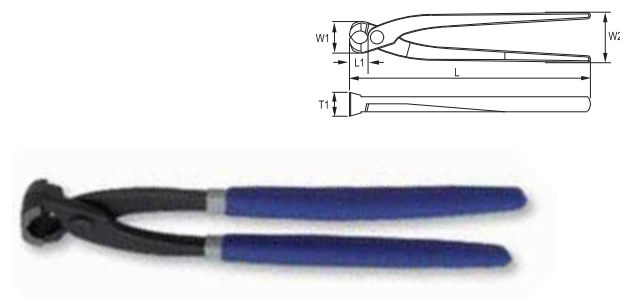
### FENCING PLIERS



- High performance steel
- Hardness: teeth hardened to 58-64 HRC
- Standard: ISO9242
- Cutting capacity:  
2- Medium hard wire: 1.60 mm

		L mm	L1 mm	W1 mm	W2 mm	T1 mm		
632-220-1	5	220	16	29.4	46	22	1.6 mm	350
632-250-1	5	250	18	33	46	24.5	1.6 mm	400
632-280-1	5	280	19	37	48	24.5	1.6 mm	460

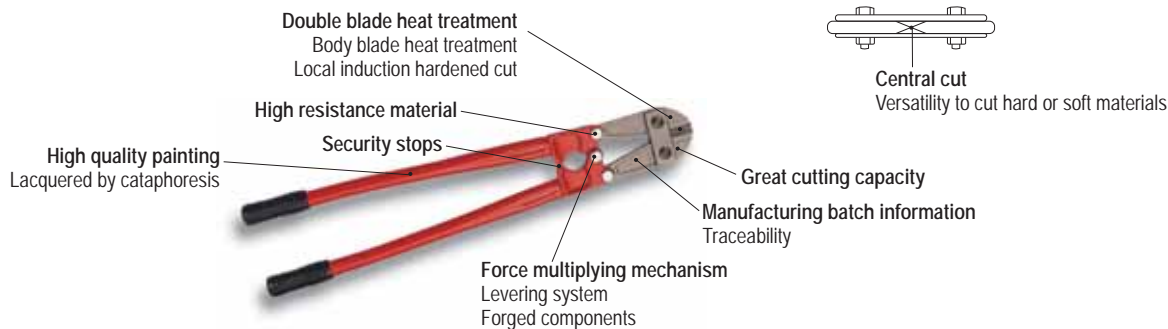
### FENCING PLIERS WITH PVC DIPPED HANDLES



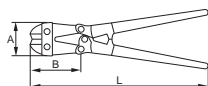
- High performance steel
- Blue dipped handles
- Hardness: teeth hardened to 58-64 HRC
- Standard: ISO9242
- Cutting capacity: medium hard wire

		L mm	L1 mm	W1 mm	W2 mm	T1 mm		
632D-250-1	5	250	18	33	46	24.5	1.6 mm	400

## Bolt cutters



### BOLT CUTTERS



- High performance alloy steel
- Double heat treatment on the blades
- Black finish

R	Icon	L mm	A mm	B mm	Ø 80 kg/mm <sup>2</sup>	Ø 120 kg/mm <sup>2</sup>	Ø 160 kg/mm <sup>2</sup>	g	
651101	1	N.0	320	48	77	5	4	3	500
651111	1	N.1	470	66	104	7	6	5	1.785
651121	1	N.2	630	85	137	9	8	7	2.860
651131	1	N.3	750	100	160	11	9	8	4.410
651141	1	N.4	900	120	182	13	10	9	5.800

### SPARE HEAD BOLT CUTTER



R	Icon	Icon	A mm	B mm	g
651201N	1	651101	48	77	180
651211N	1	651111	66	104	370
651221N	1	651121	85	137	875
651231N	1	651131	100	160	1.295
651241N	1	651141	120	182	1.930

## Circlip pliers

### INTERNAL STRAIGHT



- Black finish for corrosion protection
- High performance alloy steel
- Straight forged tips
- Hardness: 45-50 HRC
- Standard: DIN5256

R	Icon	L mm	B mm	E mm	Icon	Icon	g
621551	5	140	38	0,8	8 - 13	1	80
621561	5	140	38	1,2	12 - 25	1	80
621571	5	180	57	1,7	19 - 60	1	170
621581	5	225	69	2,2	40 - 100	1	275
621591	1	310	95	3,1	85 - 165	1	490

### INTERNAL BENT TIP



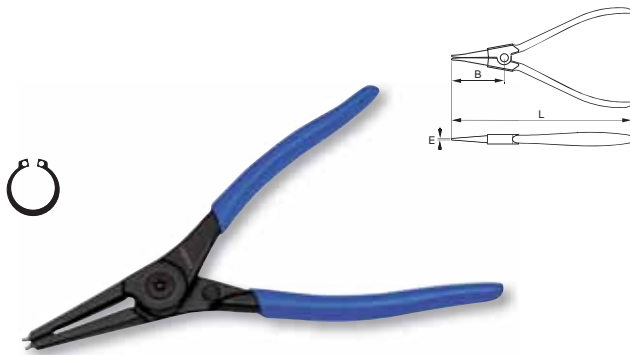
- Black finish for corrosion protection
- High performance alloy steel
- Curved forged tips
- Hardness: 45-50 HRC
- Standard: DIN5256

R	Icon	L mm	B mm	E mm	Icon	Icon	g
621651	5	127	25	0,8	8 - 13	1	80
621661	5	127	25	1,2	12 - 25	1	80
621671	5	165	43	1,7	19 - 60	1	170
621681	5	208	52	2,2	40 - 100	1	275
621691	1	289	74	3,1	85 - 165	1	490



## Circlip pliers

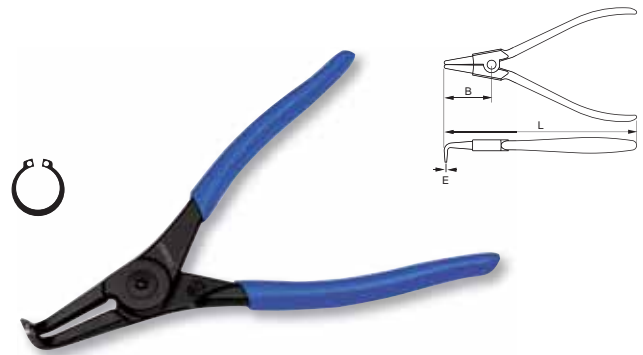
### EXTERNAL STRAIGHT



- Black finish for corrosion protection
- High performance alloy steel
- Straight forged tips
- Internal spring
- Hardness: 45-50 HRc
- Standard: DIN5254

R	Icon	L mm	B mm	E mm	Icon	Icon	g
621751	5	140	38	0,8	3 - 10	1	80
621761	5	140	38	1,2	10 - 25	1	80
621771	5	180	57	1,7	19 - 60	1	170
621781	5	225	69	2,2	40 - 100	1	275
621791	1	295	95	3,1	85 - 165	1	490

### EXTERNAL BENT



- Black finish for corrosion protection
- High performance alloy steel
- Bent forged tips
- Internal spring
- Hardness: 45-50 HRc
- Standard: DIN5254

R	Icon	L mm	B mm	E mm	Icon	Icon	g
621851	5	127	25	0,8	3 - 10	1	80
621861	5	127	25	1,2	10 - 25	1	80
621871	5	165	43	1,7	19 - 60	1	170
621881	5	208	52	2,2	40 - 100	1	275
621891	1	295	74	3,1	85 - 165	1	490

### CIRCLIP PLIERS SET



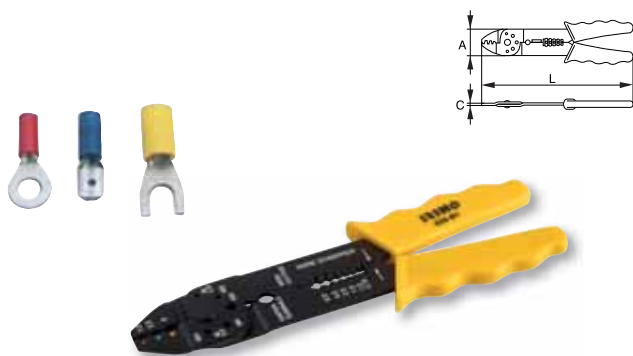
- Black finish for corrosion protection
- High performance alloy steel
- Forged tips
- Hardness: 45-50 HRc

R	Icon	pcs.	Icon	g
601911	1	4	260x220x30	750
621571				19-60 mm
621671				19-60 mm
621771				19-60 mm
621871				19-60 mm



## Crimping pliers

### CRIMPING PLIER INSULATED TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Light, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm<sup>2</sup>
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm<sup>2</sup>

		L	A	C						
630-B1-1	12	220	38	3	1.5-6.0	20-10	0.75-6.0	20-10	0.75-6.00	220

### CRIMPING PLIER NON-INSULATED TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Light, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm<sup>2</sup>
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm<sup>2</sup>

		L	A	C						
630-B2-1	12	220	38	3	1.5-6.0	14-10	0.75-6.0	18-12	0.75-6.00	220

### CRIMPING PLIER NON-INSULATED FASTON TYPE TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Light, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm<sup>2</sup>
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm<sup>2</sup>

		L	A	C						
630-B3-1	12	220	38	3	1.5-6.0	14-10	0.75-6.0	18-12	0.75-6.00	220

### CRIMPING PLIER INSULATED TERMINALS SET



- Pliers for crimping insulated terminals - Set with 60 terminals

630-61B1-4	1	24x160x270	370

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Metal shears. Aviation / Compound shear

STRAIGHT CUT



- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Yellow handles: straight cut
- Cutting capacity: 1-Stainless steel, 2-Cold rolled steel
- 658421-1: spare pieces set with nut, spring and spindle

658-250-1	1	250	0,7	1,2	390

RIGHT CUT



- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Green handles: right cut
- Cutting capacity: 1-Stainless steel, 2-Cold rolled steel
- 658421-1: spare pieces set with nut, spring and spindle

659-250-1	1	250	0,7	1,2	395

LEFT CUT



- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Red handle: left cut
- Cutting capacity: 1-Stainless steel, 2-Cold rolled steel
- 658421-1: spare pieces set with nut, spring and spindle

660-250-1	1	250	0,7	1,2	405

Locking pliers

CURVED JAWS WITH CUTTER



- Zinc-plated
- Shape: curved jaws for general purpose
- Retail packed

		A mm	B mm	C mm	D mm	E mm	F mm	G mm			
641-190-1	1	190	30	43	10	5	10	7	2	42	355
641-235-1	1	235	35	54	11	6	11	11	3	63	540

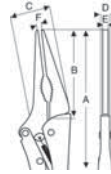
STRAIGHT JAWS



- Zinc-plated
- Shape: parallel jaws for general purpose
- Retail packed

		A mm	B mm	C mm	D mm	E mm	F mm	G mm		
642-190-1	1	190	45	58	13	10	42	6	42	390
642-235-1	1	235	45	73	16	14	63	12	63	530

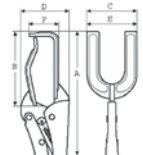
LONG NOSE



- Zinc-plated
- Shape: long slim jaw design. Curved section
- Retail packed

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g mm
643-165-1	1	165	62	27	11	5	4	55

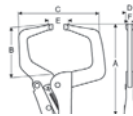
U CLAMP



- Zinc-plated
- Shape: U-shaped locking clamp
- Retail shaped

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g mm
644-300-1	1	280	87	70	88	70	60	90

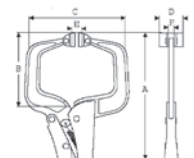
C CLAMP



- Zinc-plated
- Shape: C-shaped locking clamp
- Retail packed

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g
645-300-1	1	280	100	150	12	0-100	6	890

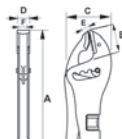
C CLAMP WITH SWIVEL JAWS



- Zinc-plated
- Shape: C-shaped locking clamp with swivel parts which adjust themselves in parallel to the work piece
- Retail packed

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g mm
646-300-1	1	320	113	137	32	6	6	80

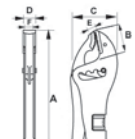
4 POSITION PLIERS



- Chrome-plated for good rust protection
- Shape: with flat and convex jaws that can be adjusted in 4 different positions for an increased gripping capacity
- Application: holds most L, T & U profiles
- Retail packed

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g
647-235-1	1	235	37	59	17	-	15	540

4 POSITION PLIERS



- Chrome-plated for good rust protection
- Shape: with flat and convex jaws that can be adjusted in 4 different positions for an increased gripping capacity
- Extra long jaws with twice as large gripping capacity compared to standard model
- Application: holds most L, T & U profiles
- Retail packed

R	Icon	A mm	B mm	C mm	D mm	E mm	F mm	g
647-250-1	1	255	67	64	17	-	15	650



## Locking pliers

### CURVED JAWS WITH CUTTER



- Shape: curved jaws for general purpose
- Soft Grip 2-component handle

Q	Icon	L mm	C mm	mm	g
648-140-1	1	140	7	28	160
648-185-1	1	185	8,5	41	345
648-250-1	1	225	10,5	48	525

### LONG NOSE



- Shape: long slim jaw design
- Soft Grip 2-component handle

Q	Icon	L mm	C mm	mm	g
648-165-1	1	165	4,2	57	180

### SOFT GRIP PLIERS SET



- 2-component handle
- Composition: Curved jaws of 140, 185 & 225 mm and long nose of 165 mm
- Rolling nylon pouch

Q	Icon	pcs.	g
648-4-W	1	4	1.200

140, 185, 225 mm      165 mm

### AUTOMATIC HAND VICES



- Finish: balck finish
- Shape: locking clamp with movable jaw for increased flexibility and general purpose work
- Application: for production or maintenance applications and general purpose work

Q	Icon	A mm	B mm	C mm	Icon	Icon	g
645011	5	193	30	32	645511	645511	690
645021	5	196	30	70	645521	645511	765
645031	5	240	62	70	645521	645511	935
645041	5	240	62	150	645541	645511	1180

## Riveting tools

### HAND RIVETER



- General duty riveter with four different exchangeable heads for rivet capacities of 2.4 mm; 3.0-3.2 mm; 4.0 mm and 4.8 mm
- To be used with aluminium, steel, stainless steel and copper rivets
- Includes a wrench for changing heads

R	Icon	L mm	A mm	B mm	g
546-265-1	1	265	90	25	700



Spares for hand riveter 546-265-1			Icon
546-265-A	Jaw mechanism		1
546-265-B	Mouthpieces set		1

### NUT RIVETER SET



- To create a fixing where there is little or no access to the rear of a panel
- Supplied with the inserts for the different rivet nut sizes as well as the necessary tools to assemble and disassemble those inserts
- To be used with aluminium, steel, stainless steel nuts of M3-M4-M5-M6

R	Icon	L mm	A mm	B mm	g
548-275-1	1	270	100	23	700



Spares for nut riveter 548-275-1			Icon
548-275-M3	M3 insert		1
548-275-M4	M4 insert		1
548-275-M5	M5 insert		1
548-275-M6	M6 insert		1

### 2 ARM RIVETER



- Expert quality riveter with long handles for greater leverage
- To be used with aluminium, steel and stainless rivets with rivet
- The transparent tube collects snapped off rivet tails

R	Icon	A mm	B mm	C mm	D mm	g
546021	1	520	22	58	160	1.800

Spare parts	
546201	Nosepiece of Ø 4
546211	Nosepiece of Ø 5
546221	Nosepiece of Ø 6-6,4
546251	3 jaws set

### HAND RIVETER SET WITH RIVETS



- 265 mm general duty riveter with four different exchangeable heads for rivet capacities of 2.4 mm; 3.0-3.2 mm; 4.0 mm and 4.8 mm
- Includes a wrench for changing heads
- To be used with aluminium, steel, stainless steel and copper rivets
- 160 rivets (40 of each size)
- Blow molded case

R	Icon	pcs.	Icon	g
546-265-4	1	160	300x210x60	1.200

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## Utility Knife

### QUICK CHANGE CUTTER



- Blade safety system
- Quick blade changing system
- 6 Blade stock
- Supplied with 6 blades
- Rubber handle
- Injected metal body
- For high accuracy knives of 0.6 mm

Z150003	1	200	250

### SAFETY UTILITY KNIFE



- Autoretractil Blade for safety purposes

668-150-1	12	150	157

### SNAP OFF KNIFE



666-156-1	12	157	106

### 9 MM SNAP OFF KNIFE



667-135-1	12	133	56

## Scraper

### GLASS SCRAPER WITH INTERCHANGEABLE BLADES



- Ideal for removing paint, glue, putty or stickers from glass, tile, walls, floors and other smooth surfaces
- Ergonomic two-component design for comfortable no-slip grip
- Blade retracts for safe storage
- Internal storage compartment (includes 5 blades)
- Good size to fit in the palm of your hand. Scraper length 130 mm
- Uses standard sing-edge razor blades. Blade width: 40 mm

538-140-1	1	135	65



## Electrician's Scissors and Knives

### FOLDABLE KNIFE



- 3Cr13 Stainless Steel
- Retail pack
- Light and comfortable
- Belt clip included
- Strong cutting tool
- Blade thickness 2.3 mm

R	Icon	L mm	A mm	g
670-178-1	10	178	72	120

### FOLDABLE KNIFE



- Black 3Cr13 Stainless Steel
- Retail packaging
- Black finishing
- Comfortable and strong cutting tool
- Belt clip included
- Blade thickness 2.60 mm

R	Icon	L mm	A mm	g
669-190-1	10	190	77	130

### ELECTRICIANS' KNIFE



- Electrician's pocket folding knife
- Wire stripping shape with wooden handle

R	Icon	L mm	A mm	g
664-200-1	10	200	85	83

### ELECTRICIANS' KNIFE



- Electrician's pocket folding knife
- Stainless steel blade with plastic handle
- Wire stripping shape

R	Icon	L mm	A mm	g
665-200-1	10	200	85	60

### MULTITOOL



- Foldable Knife
- 3Cr13 Stainless Steel
- Comes with clip
- Length: 96 mm closed / 150 mm overall
- Pouch included for easy transport
- Multi tool for all purposes with:
  - Needle Nose Pliers
  - Wire cutter
  - Slotted Screwdriver
  - Medium Slotted Screwdriver
  - Wood / Metal File
  - Bottle opener
  - Phillips Screwdriver
  - Regular Pliers
  - Can Opener
  - Small Slotted Screwdriver
  - Saw
  - Large slotted screwdriver
  - Slotted Screwdriver
  - Scissors

R	Icon	L mm	g
671-150-1	10	150 (96)	255

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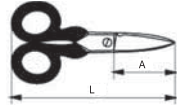
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## Electrician's Scissors and Knives

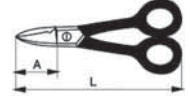
### ELECTRICIANS' SCISSORS



- Electrician's scissors with plastic coated finger loops
- Small groove in the blade for stripping cables
- 43 mm Cutting length

Q	Icon	L mm	A mm	g
661051	10	130	42,5	70

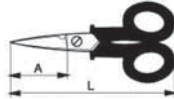
### ELECTRICIANS' SCISSORS



- Electrician's scissors with longer handles, plastic coated finger loops
- Small groove in the blade for stripping cables
- Better access to confined spaces
- Requiring less cutting force
- 38 mm cutting length

Q	Icon	L mm	A mm	g
661061	10	152	38	130

### ELECTRICIANS' SCISSORS



- Electrician's scissors with plastic coated finger rings
- Professional use. Integrate steel structure
- Micro serrated blade
- 43 mm cutting length
- Rotary belt holster

Q	Icon	L mm	A mm	g
661-140-1	12	145	43	76



- Display for 12 scissors

Q	Icon	pcs.
661-140-12-DISP	1	

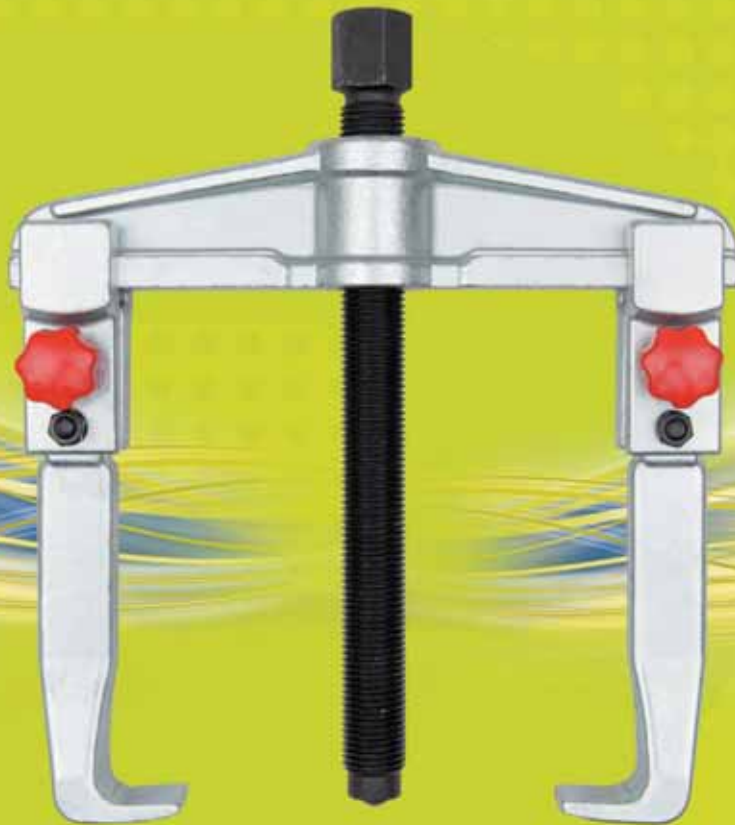
## Hooks and picking tools

### MINI PICK AND HOOK SET, 4 pcs.



- Used for scratching, manipulating or removing O-rings, springs, welding,...
- 170 mm length
- Two-component Soft grip handle
- Material: Carbon steel blades, hardened tips
  - 1 pc straight pick,
  - 1 pc angle hook,
  - 1 pc full hook,
  - 1 pc 90° hook

Q	Icon	pcs.	Dimensions	g
722-4-1	12	4	20x230x130	100

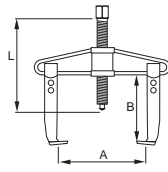


**IRIMO**

10. PULLING TOOLS

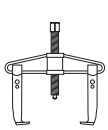
# Extractors

## UNIVERSAL 2 ARM PULLER



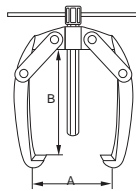
- Finish: galvanised, with induction hardened spindle
- Body and arms manufactured from forged steel
- Beam shape section light and strong
- Protective case on screw top for easy use
- By reversing the arms, the extractor can be used as internal or external
- Quick-adjust nuts for an easy and quick fitting

R			A mm	B mm	L mm	$\frac{mm}{Tn}$	g
701-90-1	N1	1	90	100	130	4	900
701-130-1	N11	1	130	100	130	4	980
701-160-1	N2	1	160	150	210	6	2.450
701-200-1	N21	1	200	150	210	6	2.880
701-250-1	N3	1	250	205	280	8	6.950
701-350-1	N31	1	350	205	280	8	7.680



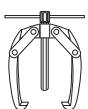
R	R	mm	g	R	L mm	g	R	L mm	g
701-90-1	701-90-S	M14x1,5x130	175	701-90-K	95	528	701-90-B	136	315
701-130-1	701-90-S	M14x1,5x130	175	701-90-K	95	528	701-130-B	177	485
701-160-1	701-160-S	M20x2x210	575	701-160-K	150	1.058	701-160-B	217,5	890
701-200-1	701-160-S	M20x2x210	575	701-160-K	150	1.058	701-200-B	262	1.360
701-250-1	701-250-S	M27x2x280	1.275	701-250-K	202	3.262	701-250-B	330	2.750
701-350-1	701-250-S	M27x2x280	1.275	701-250-K	202	3.262	701-350-B	430	3.575

## SELF-CENTERING 2 ARMS PULLERS



- Finish: galvanised, with induction hardened spindle
- Body and arms manufactured from forged steel
- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

R			A mm	B mm	$\frac{mm}{Tn}$	g
702-40-1	1		60	40	0,50	180
702-65-1	1		65	65	0,50	190
702-80-1	1		80	80	1,00	220



R	R	mm	g	R	L mm	g	R	L mm	g
702-40-1	702-40-S	M10x1,5x100	61	702-40-K	54,5	40			20
702-65-1	702-65-S	M10x1,5x105	63	702-65-K	88	74	702-40-B	42x13	20
702-80-1	702-80-S	M10x1,5x122	72	702-80-K	103	98			20
									20

SELF-CENTERING 3 ARMS PULLERS



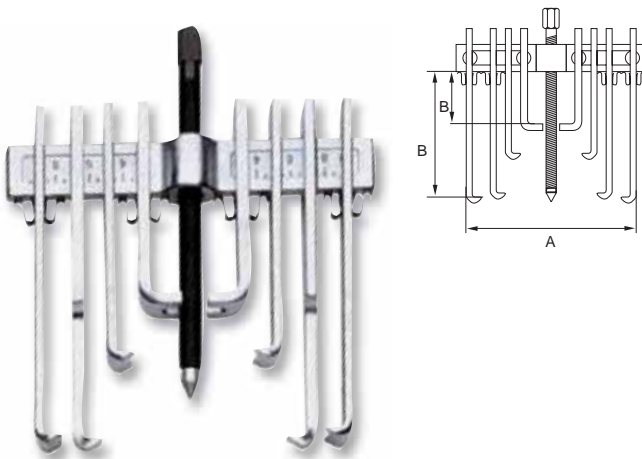
- Finish: galvanised, with induction hardened spindle
- Body and arms manufactured from forged steel
- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

R		A mm	B mm	$\frac{L}{T_0}$	g
703-40-1	1	60	40	0,75	230
703-65-1	1	65	65	0,75	290
703-80-1	1	80	80	1,50	320



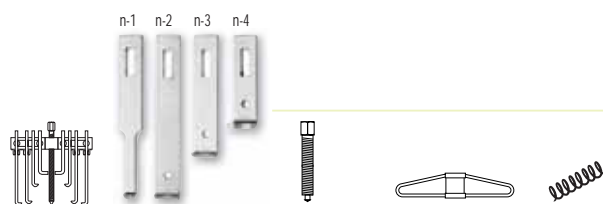
R	R	$\frac{L}{mm}$	g	R	L mm	g	R	$\frac{L}{mm}$	g	R	$\frac{L}{mm}$	$\frac{L}{mm}$	g
703-40-1	702-40-S	M10x1,5x100	61	702-40-K	54,5	40	703-40-B	42x13	20	702-40-P	33,5x3		20
703-65-1	702-65-S	M10x1,5x105	63	702-65-K	88	74		20	20				
703-80-1	702-80-S	M10x1,5x122	72	702-80-K	103	98		20	20				

MULTIPLE EXTRACTOR



- Can be used as internal and external puller
- Two or more legs can be attached in line, obtaining greater reach

R		A (mm) min. - max.	B (mm) min. - max.	$\frac{L}{T_0}$	g
713001	1	20 - 173	65 - 140	5	2.700
713011	1	75 - 250	77 - 182	10	6.000



R	R	R	R	R	
713001	796511	n-1	796491	796501	796551
	796521	n-2			
	796531	n-3			
	796541	n-4			
713011	713511	n-1	713611	796561	796571
	713521	n-2			
	713531	n-3			
	713541	n-4			





# Extractors

## STUD EXTRACTORS BIT SET



- Stud extractor set, 15 pcs
- Finish: blasted
- Material: Ni-Cr-Mo
- Supplied in a compact plastic case

Part No.	Qty	Dimensions (mm)	Weight (g)
ZH1100	1	200x105x35	1.000
1/2"		3- 4- 5- 5,5- 6- 8- 10 mm	1/8"- 3/16"- 1/4"- 3/8"
5/8"		11- 12- 14 mm	1/2"

## STUD EXTRACTORS SETS



- To remove broken screws, studs and pipes
- Finish: chromed
- Material: High-quality carbon steel

Part No.	Qty	Dimensions (mm)	pcs.	#	Thread	Weight (g)
716-5-1	1	90x58x15	5	# 1, 2, 3, 4, 5	M3-M18	120
716-8-1	1	215x130x50	8	# 1, 2, 3, 4, 5, 6, 7, 8	M3-M45	840
	#	mm	mm	L mm	Thread	Weight (g)
716-M6-1	1	2.0	4.00	50	M 3-6	4
716-M8-1	2	2.8	4.30	58	M 6-8	6
716-M11-1	3	4.0	6.00	65	M 8-11	13
716-M14-1	4	6.3	7.50	75	M 11-14	20
716-M18-1	5	7.5	10,70	80	M 14-19	45
	6	10.3	15,00	85	M 19-24	95
	7	13.5	19,00	92	M 24-30	140
	8	20.6	24,00	97	M 30-45	240

## TAP WRENCH



- With reversible ratchet: forward-reverse locked
- Parallel clamping action
- Hardened jaws
- Sliding handle
- Chrome-plated steel

Part No.	Qty	Dimensions (mm)	Weight (g)
718211	1	2,6-5,5	85
718231	1	4,6-8	110

## NUT SPLITTERS

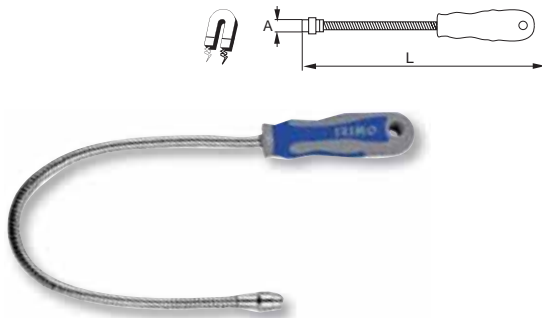


- For splitting jammed or stripped nuts without damaging the stud thread
- Galvanised and gunmetal finish
- Material: special steel
- Suitable for nuts up to property class 61
- Spindle available

Part No.	Qty	A (mm)	L (mm)	Thread	Weight (g)	Spindle
730011	1	32	126	M3-M16	6-27	440 796661 796671
730131	1	42	170	M14-M24	24-40	560 796681 796691

## Pick-up tools

### MAGNETIC PICK-UP TOOL



- Handle: 2-component handle, with hanging hole and anti-roll design
- Blade finish: chrome-plated and polished
- 720-1M-413 has Neodym magnet with capacity of 1 kg and 720-3M-413 as Neodym magnet with capacity of 3 kg

R	Icon	Ø mm	A mm	L mm	Icon	Icon	g
720-1M-413	1	10	10	550	413	110	130
720-3M-413	1	17	13	550	413	110	280

### CLAW PICK-UP TOOL

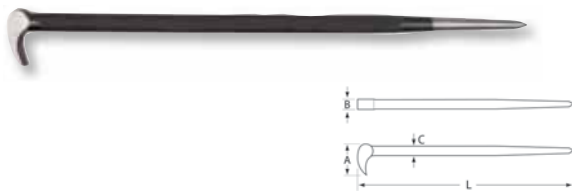


- For gripping very small parts
- Flexible shaft with steel core
- Finish: chrome-plated

R	Icon	L mm	g
720031	1	650	80

## Pry bars

### PRY BAR



- 90° special lever. Suitable for work in confined spaces such as behind gears
- Finish: black phosphated with polished head and pointed tip
- Material: hardened special alloy steel

R	Icon	A mm	B mm	C mm	L mm	g
066-400-1	1	44	14	14	406	450

### OFFSET LEVER SET



- Pry bars for easy prying and bending
- Plastic handles with lightweight design offers a comfortable grip as well as powerful leverage potential

R	Icon	mm	g
ZH70610	1	645x115x35	1.400

### OFFSET LEVER



- Pry bars for easy prying and bending
- Plastic handles with lightweight design offers a comfortable grip as well as powerful leverage potential

R	Icon	L mm	g
ZH70611	1	210	200
ZH70612	1	310	300
ZH70613	1	460	400
ZH70614	1	610	500

# Sheet punches

## SHEET METAL PUNCHES



## SPARE BOLT



R		Ø mm		
740-016-2	1	16	M 8	80
740-020-2	1	20	M 10	120
740-022-2	1	22	M 10	160
740-025-2	1	25	M 10	180
740-030-2	1	30	M 12	320
740-035-2	1	35	M 12	500
740-040-2	1	40	M 14	660
740-050-2	1	50	M 14	1.040

R		Ø mm
740S-008-2	1	M 8
740S-010-2	1	M 10
740S-012-2	1	M 12
740S-014-2	1	M 14





**IRIMO**

11. CUTTING TOOLS AND MEASURING

## Bowsaw frames and blades

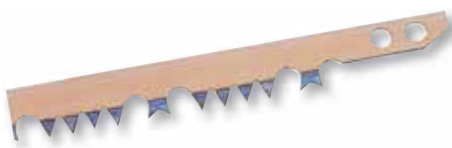
### BOWSAW FRAMES



- Powder painted steel tube bowsaw
- Delivered with a type 51 blade for dry wood
- Tooth protector included

Q						
802-2400-1	5	607	24	51	675	23.8
802-3000-1	5	759	30	23	800	28.2
802-3600-1	5	912	36	23	920	32.4

### BOWSAW BLADES, GREEN WOOD



- Suitable for sawing in green wood - wet wood
- Hardened and tempered high-quality steel
- Rust prevention treated and packed in individual sleeve

Q					
802-2423-1	10	607	24	60	2.1
802-3023-1	10	759	30	75	2.6
802-3623-1	10	912	36	95	3.4

### BOWSAW BLADES, DRY WOOD



- For cutting dry, seasoned wood
- Hardened and tempered high-quality steel
- Rust prevention treated and packed in individual sleeve

Q					
802-2451-1	10	607	24	65	2.3
802-3051-1	10	759	30	80	2.8
802-3651-1	10	912	36	100	3.5

## Hacksaw frames and blades

### UNIVERSAL HANDSAWS



- Screwed 2-component handle
- Handle can be used for approximate 45° and 90° marking guide
- Handsaw for all types of wood

Q					
800-168-1	10	400	16	8	320
800-208-1	10	500	20	8	360
800-228-1	10	550	22	8	380

### TENON SAW



- Tenon saw for fine and medium thick materials, specially adapted for cutting of small-diameter timber and mitre guide sawing
- Hardpoint universal teeth for long lasting sharpness
- Heavy steel back for rigidity and accurate cutting
- Screwed plastic handle

Q					
800-131-1	10	300	12	15/16	450



GENERAL PURPOSE HANDSAW



- General purpose saw with fine teeth for smooth sawing in a wide variety of materials, including aluminium, plastics, laminates, wood and chipboard
- Hardpoint fleam-toothing
- Toolbox size
- Screwed 1-piece plastic handle
- Ideal to carry in a toolbox

800-151-1	4	300	12	225

DOVETAIL FLEX HANDSAW



- Saw blade for cutting wood & plastic materials
- Universal toothing, hardpoint teeth for long lasting sharpness
- Light steel back for rigidity
- Angled wooden handle to allow flush cutting
- Handle swings to allow both left and right hand sawing where access is restricted

800-111-1	4	250	10	240

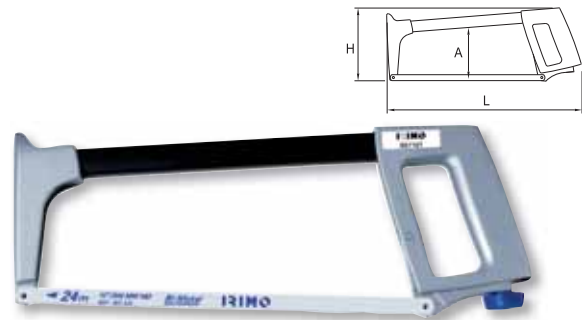
COMPASS SAW



- Compass saw for all kinds of wood and plastic material
- Hardpoint universal teeth for long lasting sharpness
- Screwed, 1-piece, plastic handle

800-141-1	4	300	7/8	120

ALUMINIUM HACKSAW FRAME



- Supplied with 300 mm (12") reliable and shatterproof bi-metal blade 24 TPI
- A professional and strong hacksaw frame
- Alternative 55° blade mounting for flush cutting

801101	5	400 (300)	748

HACKSAW FRAME



- Traditional design
- Easy to use hacksaw frame

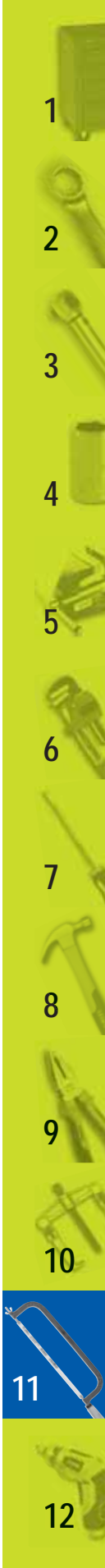
801-041-1	10	110	151	400	665

BI-METAL



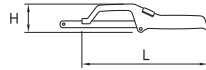
- Shatterproof bi-metal blade with precision teeth for all kinds of metal sawing
- Bi-metal blade is guaranteed to keep its sharpness for a long time
- Packaging:
  - 50 are 50 blades in a plastic box and
  - 5 are 5 blades in a special package with hanging loop

803-318-5	5	300x13x0,65	18	17
803-324-5	5	300x13x0,65	24	17
803-332-5	5	300x13x0,65	32	17
803-318-50	50	300x13x0,65	18	17
803-324-50	50	300x13x0,65	24	17
803-332-50	50	300x13x0,65	32	17



## Hacksaw frames and blades

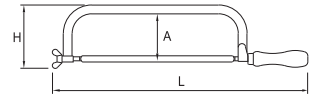
### ALUMINIUM HOLDER



- A useful mini-hacksaw for small spaces

Q	Icon	H mm	L mm	g
801-145-1	5	51	229	140

### HACKSAW FRAME



- A traditional designed, easy to use hacksaw frame

Q	Icon	A mm	H mm	L mm	g
801-011-1	10	100	128	512	575

## Holesaws

### HOLESAW SET, 9 pcs.

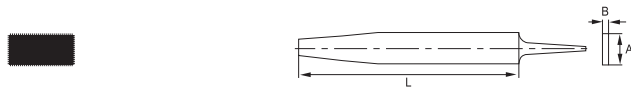


- Bi-metal hole saw set of 9 pieces:
  - 6 pcs hole saws sizes 22, 29, 35, 44, 51 and 64 mm
  - 1 pc holder for big size hole saws (inc. Pilot drill)
  - 1 pc holder for small size hole saws (inc. Pilot drill)
  - 1 pc extra replacement Pilot drill

Q	Icon	pcs.	Icon	g
810-2264-4	1	9	230x180x70	1.000

## Files

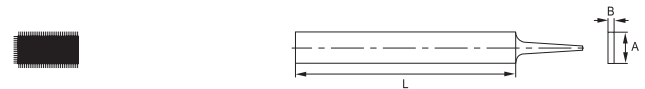
### FLAT FILES



- Edges tapered towards the point, surface parallel
- Surface double cut, edges single cut

Q	Icon	L mm	A mm	B mm	Icon	Icon	g
BASTARD							
534521	6	150 / 6"	16	4	13	33	90
534531	6	200 / 8"	20	5	10	25	160
534541	6	250 / 10"	25	5.5	9	23	250
534551	6	300 / 12"	30	6	8	20	413
SECOND CUT							
534251	6	150 / 6"	16	4	18	46	50
534261	6	200 / 8"	20	5	14	36	160

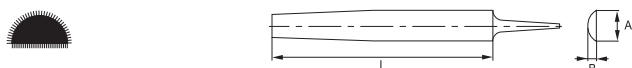
### HAND FILES



- Edges and surfaces parallel
- Surface double cut, one edge uncut and one edge single cut

Q	Icon	L mm	A mm	B mm	Icon	Icon	g
BASTARD							
534561	6	150 / 6"	16	4	13	33	90
534571	6	200 / 8"	20	5	10	25	160
SECOND CUT							
534281	6	150 / 6"	16	4	18	46	50
534291	6	200 / 8"	20	5	14	36	160

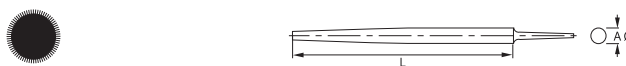
### HALF ROUND FILES



- Edges and surfaces tapered towards the point
- Double cut

Icon	Icon	L mm	A mm	B mm	Icon	Icon	g
BASTARD							
534681	6	150 / 6"	16	4.7	13	33	100
534691	6	200 / 8"	20.5	6	10	25	170
534701	6	250 / 10"	26.5	7.5	9	23	344
SECOND CUT							
534371	6	150 / 6"	16	4.7	18	46	100
534381	6	200 / 8"	20.5	6	14	36	170

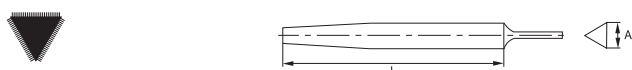
### ROUND FILES



- Tapered towards the point
- Double cut

Icon	Icon	L mm	A mm	Icon	Icon	g
BASTARD						
534601	6	150 / 6"	6	13	33	74
534611	6	200 / 8"	8	10	25	112
534621	6	250 / 10"	10	9	23	183
SECOND CUT						
534311	6	150 / 6"	6	18	46	74
534321	6	200 / 8"	8	14	36	112

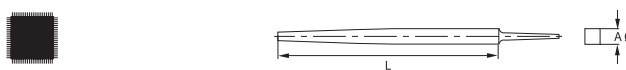
### THREE SQUARE FILES



- Equilateral triangle, tapered towards the point
- Double cut surface

Icon	Icon	L mm	A mm	Icon	Icon	g
BASTARD						
534901	6	150 / 6"	11	13	33	94
534911	6	200 / 8"	15.5	10	25	203
SECOND CUT						
534341	6	150 / 6"	11	18	46	94
534351	6	200 / 8"	15.5	14	36	203

### SQUARE FILES



- Surface tapered towards the point
- Double cut surface

Icon	Icon	L mm	A mm	Icon	Icon	g
BASTARD						
534931	6	150 / 6"	6	13	33	79
534941	6	200 / 8"	8	10	25	132
SECOND CUT						
534401	6	150 / 6"	6	18	46	79
534411	6	200 / 8"	8	14	36	132

### FILE SET



Icon	Icon	pcs.	Icon	g
534501	1	6	44x37x3	1.150
534261 - 200 mm / 8"				534351 - 200 mm / 8"
534291 - 200 mm / 8"				534381 - 200 mm / 8"
534321 - 200 mm / 8"				534411 - 200 mm / 8"

Spirit levels



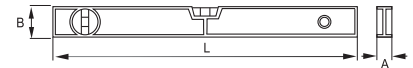
\* without handles: 982-40-1  
982-4M-1

- Accuracy 1 mm / m
- High visibility, barrel shape acrylic vials
- Three vials: horizontal, vertical and 45°
- Light aluminium material 1.5 kg/m
- Strong profile design. milled top and bottom measuring surfaces
- Hand holes (except for 400 mm model)
- Long lasting epoxy painting

R	Box	L mm	A mm	B mm	g
982-40-1	1	400	24	60	300
982-60-1	1	600	24	60	360
982-80-1	1	800	24	60	550



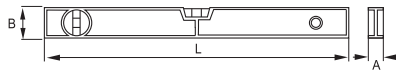
\* with handles: 982-60-1  
982-80-1  
982-6M-1



- Two magnets
- Separating force 9 Newton
- Three vials: horizontal, vertical and 45°

R	Box	L mm	A mm	B mm	g
982-4M-1	1	400	22	60	280
982-6M-1	1	600	24	60	370

SET OF LEVELS



- Set of 2 levels
- 600 mm Spirit level
- Precision 1 mm/m
- Raw material density of 529 g/m
- High visibility and low density liquid inside the vials
- Torpedo level 982-TOR

R	Box	L mm	A mm	B mm	g
982-SET	1	600	55	60	410

TORPEDO LEVEL



- Magnet in the base
- Suitable for plumbers
- 3 vials: horizontal, vertical and 45°
- 1 mm / m accuracy in horizontal vial
- 1 mm / m accuracy in vertical vial
- High visibility liquid inside the vials

R	Box	L mm	A mm	B mm	g
982-TOR-1	1	230	15	40	80

POCKET SPIRIT LEVEL, 100 MM



- Pocket level 10 cm
- 1 mm/m accuracy
- High visibility, barrel shape acrylic vials
- Removable hanging clip
- Long lasting epoxy painting
- 2 strong magnets hidden inside profile, they hold 500 g
- Profile 1.0 mm thickness and weight of 295 g/m

R	Box	L mm	A mm	B mm	g
982-10-1	1	100	20	50	60

ALUMINUM LEVEL WITH HOLSTER



- Strong magnet with neodyms
- High quality glued vials
- With textile pouch for easy transport

R	Box	Box	g
983-25-1	5	240x140x25	315

## Measuring tapes



- According to CE Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade
- 3 rivets on stopper
- \* Display: for 12 units orders

R		A mm	L m	
980-3-1 *	12	16	3	105
980-5-1 *	12	19	5	1705
980-5-25-1	12	25	5	175

- According to CE Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade
- 3 rivets on stopper
- \* Display: for 12 units orders

R		A mm	L m	
980-3B-1 *	12	16	3	125
980-5B-1 *	12	19	5	195
980-8B-1 *	12	25	8	370

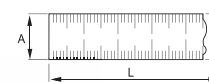
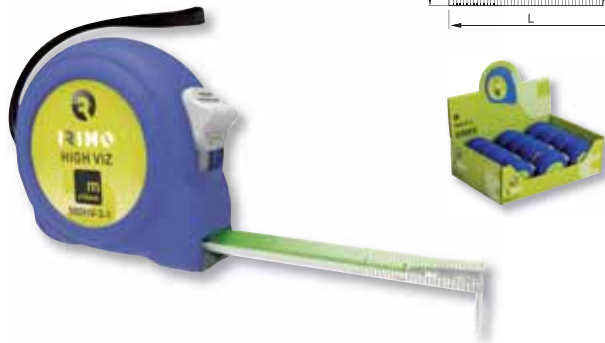
### TWINPACK TAPE



- Measuring tapes Twin pack mm  
3 m x 16 mm & 10 m x 25 mm
- Also available in inches under forecast

R		pcs.		
980-TP2-1	12	2	170x80x42	549

### HIGH VISIBILITY MEASURING TAPES



- Special green color of the blade for high visibility
- Vertical marking in the back side
- Back side marking allows easy vertical measurement and marking
- According to CE Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade nylon coated resistant to abrasion
- 3 rivets on stopper hook
- \* Display: for 12 units orders

R		A mm	L m	
980HV-3-1 *	12	16	3	105
980HV-5-1 *	12	19	5	175

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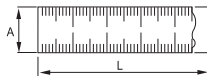
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## Measuring tapes

### MEASURING TAPE WITH TRANSPARENT CASE



- Double side printing. mm only
- According to CE Measuring Instruments Directive
- Class II accuracy
- ABS TRANSPARENT case, Highly Resistant to Impacto
- High quality 50C steel blade nylon coated resistant to abrasion
- 3 rivets on stopper hook
- Locking system
- Wrist strap
- Metal belt clip
- With retail packaging

R	Box	A mm	L m	g
980-5T-1 *	12	19	5	190

### MEASURING TAPE FOR VERTICAL MEASUREMENTS



- Measuring tape 5 m x 30 wide
- Marked in mm in both sides
- Vertical marking in the back
- \* Display: for 12 units orders

R	Box	A mm	L m	g
980-5W-1 *	12	30	5	295

### LONG TAPE



- According to CE Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber grip
- High quality 50C steel blade
- Stopper with ring and foldable jaw
- Belt clip
- Quick wind mechanism
- Individual box that can be hung

R	Box	A mm	L m	g
980-20S-1	12	13	20	350

### Wooden folding rule



- 10 blades wooden folding rule
- Birch wood, flexible and resistant
- Special varnish resistant to abrasion
- Meets CE directive for measuring instruments MID
- Class III

R	Box	L m	A mm	g
985-2-1	1	2	16	115

## Gauge sets

### SCREW PITCH GAUGE SET



Q	Icon	No blades	g
981411	10	52	76
Metric 60° - 0.25 to 6 mm			
0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70-0.75-0.80-0.90-1-1.25-1.50-1.75-2-2.5-3-3.5-4-4.5-5-5.5-6			
Whitworth 55° - 4 a 62 thread"			
4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60-62			

### FEELER GAUGE SETS

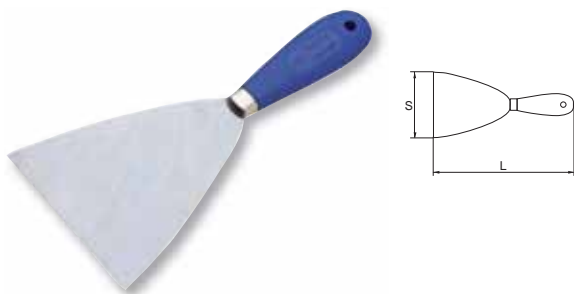


- Blade length: 80 mm

Q	Icon	No blades	g
981131	5	13	52
0.05 to 1 mm			
0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1			
981201	5	20	83
0.05 to 1 mm			
0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55-0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1			

## Paint scrapers

### PAINT SCRAPERS



- Carbon steel ground blade: 1.5 mm thickness and 0.5 mm at the tip
- Excellent flexibility
- Polished and varnished blade for longer life
- Metallic ring for perfect fixing between handle and blade
- Plastic handle with hanging hole
- Standards: DIN 7216, UNE 16608

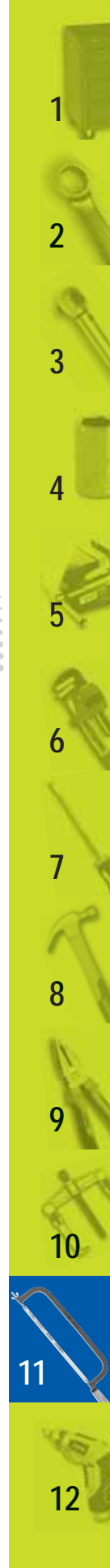
Q	Icon	S mm	L mm	g
540021	12	20	220	50
540031	12	30	220	55
540041	12	40	220	60
540051	12	50	220	65
540061	12	60	220	70
540071	12	70	220	75
540081	12	80	220	80
540091	12	90	220	85
540101	12	100	220	90
540121	12	120	220	100

### BODY WORK SCRAPER SET



- Body work scraper set, 4 pcs

Q	Icon	pcs.	g
536011	1	4	120
160x130			
90x50 mm, 120x80 mm, 120x105 mm, 120x120 mm			



Workwear and accessories

SAFETY VEST



- Material: 100 % Polyester
- Color: High Visibility Yellow and Grey Reflecting Bands
- Sizes: S, M, L, XL, XXL
- According with: EN471:2003+A1:2007

R		Size	
HV-SV1-S	1	S	200
HV-SV1-M	1	M	220
HV-SV1-L	1	L	240
HV-SV1-XL	1	XL	260
HV-SV1-XXL	1	XXL	290

ACRYLIC HAT WITH REFLECTIVE



- Visibility Winter Hat with Reflective Thread Band

R		
HV-HAT1	1	250

BAG COVER



- Waterproof Backpack Rucksack Bag Cover for Cycling, Running and others

R		
HV-BC1	1	100

HIGH VISIBILITY BAND



- High Visibility Band for Safety on Cycling, running and others
- Standard: EN13356
- Material: 3M
- Luminosity: 450

R			
HV-BAND	1	33,5 x 3	100

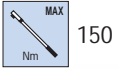


**IRIMO**

12. POWER TOOLS

### 3/8" Impact wrench

P704

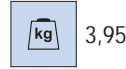


150



### 3/4" Impact wrench

P817

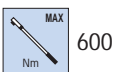


3,95



### 1/2" Impact wrench

P800

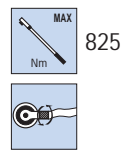


600



P800K

P815



825



- Using the most modern materials composite
- Lightweight and low vibration

R	Icon	BAR	inch	mm	mm	Nm	MAX Nm	rpm	rpm	dB(A)	mm	kg		
P704	1	3/8"	6,3	1/4" - 18	10	127	55 - 120	150	10.000	1.200	89,00	5,92	160	0,90
P800	1	1/2"	6,3	1/4" - 18	10	99	100 - 570	600	7.500	1.300	90,00	2,57	192	2,40
P815	1	1/2"	6,3	1/4" - 18	10	130	320 - 620	825	7.000	1.150	84,00	5,00	192	1,95
P817	1	3/4"	6,3	3/8" - 18	10	190	340 - 950	1.800	4.500	970	88,00	4,30	245	3,95

R	Icon	Icon	mm	mm	mm	kg		
P800K	1	✓	✓	4	75	9, 10, 11, 13, 14, 17, 19, 22, 24, 27	270x260x95	4,46



## 1/2" Impact wrench set



- Impact wrench set, 12 pcs
- Supplied in strong and durable blow moulded case
- Contains:
  - P815 impact wrench,
  - Impact sockets (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24 mm) and
  - A 1/4" male connector PM5142

			<b>BAR</b>											
P815K1	1	1/2"	6,3	1,4" - 18	10	130	320 - 620	825	7.000	1.150	84,00	5,00	192	3,20

## 1" Impact wrench

2.500  
Nm



- Long anvil
- 6"-150 mm
- For trucks

			<b>BAR</b>											
P802	1	1"	6,3	1/2" - 14	13	416	950 - 2.030	2.500	3.800	500	98,00	<2,50	550	14,40

## 1/4" Ratchet

P700

5-68  
Nm



## 1/2" Ratchet

P821



- Composite

			<b>BAR</b>											
P700	1	1/4"	6,3	1/4" - 18	10	136	0 - 27	300	94,00	3,60	133	0,50		
P821	1	1/2"	6,3	1/4" - 18	10	120	0 - 67	150	80,00	2,60	256	1,20		

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## Blow gun



Q	Box	BAR	kg
P218	1	6,3	0,15

## Air line couplers



PM0189



PM5002  
PM5003



PM5012  
PM5013



PM5142  
PM5143



PM5152  
PM5153



PM5248

Q	Box	inch	mm	g
PM0189	1	1,4"	For 9-10 mm hose	10
PM5002 PM5003	1	1/4" 3/8"	Male Male	70
PM5012 PM5013	1	1/4" 3/8"	Female Female	80
PM5142 PM5143	1	1/4" 3/8"	Male Male	20
PM5152 PM5153	1	1/4" 3/8"	Female Female	20
PM5248	1	-	For 8 mm hose	10

## 1/4" Quick Connector



- Works with 4 standard male connector profiles
- Security lock enabling the operator to turn the airflow on and off, providing a safer and more simplified operation
- Steel construction with composite coating, making it extremely durable

Q	Box	mm	BAR	inch	kg
PQCF14	10	1.600	14	1,4"	0,100

## In line lubricator



- Install either in the tool air input, or in the 1/4" hose thread

Q	Box	inch	kg
PN251	1	1,4"	0,10

## Filter Regulator



- When compressing atmospheric air, which always has a humidity rate, liquid water is generated in the pneumatic circuits. It is necessary to filter this water to protect the circuit and the air operated tools
- Use an air filter and regulator for the spray guns
- Technical data:
 

- Air connection	1/2"
- Bowl capacity	100 ml
- Gauge diameter	50 mm
- Pressure regulation range	0.5-10 bar
- Minimum temperature	+5°
- Maximum temperature	60°
- Nominal flow	3.200 NL/mn
- Filtering size	20 m

P254	1	1,04

## Filter Regulator Lubricator



- When compressing atmospheric air, which always has a humidity rate, liquid water is generated in the pneumatic circuits. It is necessary to filter this water to protect the circuit and the air operated tools
- For the rest of pneumatic tools used in repair or body shop, it is necessary to use an air filter, regulator and lubricator
- Technical data:
 

- Air connection	1/2"
- Bowl capacity	100 ml
- Gauge diameter	50 mm
- Pressure regulation range	0.5-10 bar
- Minimum temperature	+5°
- Maximum temperature	60°
- Nominal flow	3.200 NL/mn
- Filtering size	20 m

P255	1	1,42

## Cordless screwdriver

### 3.6V CORDLESS SCREWDRIVER



- 3.6V Li-ion rechargeable battery
- 1/4" hex quick release bit holder
- 6+1 torque positions
- LED light to lighten the working area
- 4 LED lamp to work as a regular torch
- Adaptable handle in straight or pistol shapes
- One hand forward/reverse change
- Integrated colour LEDs to know the battery status
- 4 screwdriver bits included
- Packed in a retail color cardboard box

3.6SDR	1	3.6	95x65x35	200	400

## Cordless lamps with Li-Ion rechargeable batteries

### FLEX LED LAMP



- Standard LED lamp
- ABS housing resistant to impact and range of garage fluids
- IP 65
- 180° flex handle
- Magnet on base
- Foldable back leg to use a support or a hook
- 360° fully rotational foldable hook
- Wrist cord

L21	1	X	X	X		4	2,5	204x64x30 230

### SMD FLEX TORCH LAMP WITH LI-ION RECHARGEABLE BATTERY



- High power SMD LED torch lamp
- Torch and lamp function in one single unit
- 180° flex handle
- Strong magnet on base
- Double magnet at the back
- Double 360° fully rotational foldable hooks
- Wrist cord

L31	1	170	50	X	X	4	4	249x53x43 280

## Pocket lamps

### SMD ALUMINIUM PENLIGHT



- SMD LED lamp
- Strong Aluminium housing
- 180° rotational hook with magnet
- Additional magnet on the base
- 3 AAA alkaline batteries included
- Operating mode: ON/OFF

L14	1	4	161x16x30	110	61

### COB POCKET WORKLIGHT



- COB LED pocket torch lamp
- 360° fully rotational hook
- Foldable back support
- Magnet at the back
- 3 AAA alkaline batteries included
- Operating mode:  
Torch- Lamp 100% - Lamp 50% - OFF

L13	1	2-4	95x65x35	9	115

## Flash lights

## COMPACT LED TORCH WITH ADJUSTABLE FOCUS



- Compact LED torch with adjustable focus
- Lumens <60 lm
- Light beam angle: 7-80°
- Waterproof grade IP41
- Comes with 3AAA alkaline batteries
- On/Off operation modes
- Autonomy 5 h
- L01-1 con clip

L01	1	105x37x37	3AAA	50

## FRONT LED LAMP WITH ADJUSTABLE FOCUS



- Front LED lamp with adjustable focus
- CREE XNL T6 10W LED
- Lumens ≈ 400 lm
- Light beam angle: 15-105°
- Supplied with fully adjustable straps to adapt to all user heads
- Waterproof grade IP44
- Comes with 3AAA alkaline batteries
- H-L-Strobe-Off operation modes
- Autonomy: 2,5-8 h

L51-1	1	3AAA	80x120x120	132

## Corded lamps

## CORDED LAMP



- 11 W lamp
- 5 m cable
- Reduced consumption
- IP54 dust and water protection
- 8000 Hour bulb duration
- Polycarbonate screen resistant against impact

ZL2216	1	230	11	5	480	700

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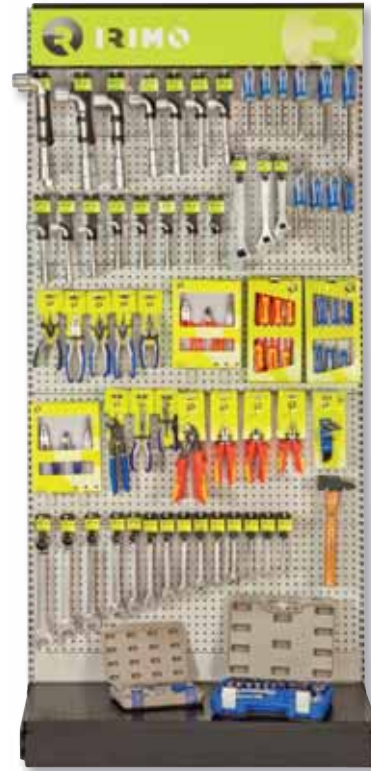
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Benefits to your business of our POS material:

- The IRIMO exhibitors are a perfect solution that contributes to improving the point of sale management.
- With their attractive design, these displays will help enhance the image of the store.
- This solution facilitates stock control and at the same time, optimize display space.

**NOTE:** Below are some examples; for more information about different accessories and sizes, please contact us and we will offer the ideal solution suited to your needs.



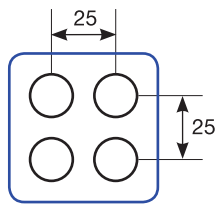
MEE-SIGN-CARR-I SIGN CARRIER+SIGN IRIMO (100 cm)

MEE-1S2L-B-I METAL WALL\_1SIDE\_2LEG\_BAHC&IRI

\* Tools not included

## Point of sale material

### METAL WALL 1 SIDE 2 LEGS



Perforated wall detail

IRIMO	L mm	W mm	H mm	kg
MEE-1S2L-B-I	1030	524	2250	53.63

### LIGHTBOX



- Short cable is included
- Order long cable separately (PEE-LCABLE-B-I)

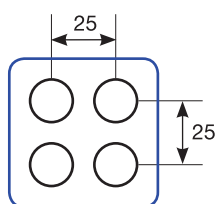
IRIMO	L mm	W mm	H mm	kg
MEE-LIGHTBOX-I	1000	412	170	13.32

### SIGN CARRIER + SIGN IRIMO



IRIMO	L mm	W mm	H mm	kg
MEE-SIGN-CARR-I	1000	90	200	1.98

### METAL WALL CORNER 1 LEG



Perforated wall detail

IRIMO	L mm	W mm	H mm	kg
MEE-COR-1L-B-I	941	388	2350	44.05

### LIGHTBOX CORNER WALL



- Short cable is included
- Order long cable separately (PEE-LCABLE-B-I)

IRIMO	L mm	W mm	H mm	kg
MEE-COR-LIGHT-I	910	400	174	7.375

**Point of sale material**

**Spare parts for metal wall**

METHACRYLATE FOR LIGHTBOX



Q	L mm	W mm	H mm	kg
PEE-METHACRYL-I	980	3	168	0.61

PVC TOP SIGN FOR SIGN CARRIER



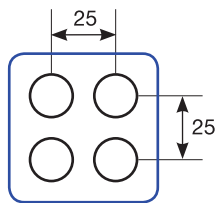
Q	L mm	W mm	H mm	kg
PEE-TOPSIGN-I	980	3	150	0.2

TOP SIGN FOR DOUBLE SIDED WALL



Q	L mm	W mm	H mm	kg
PEE-SIGN-DB-W-2	980	3	150	0.2

DOUBLE SIDE WALL WITH WHEELS



Perforated wall detail

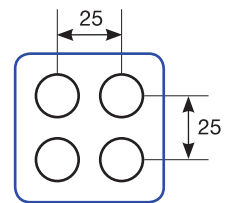
Q	L mm	W mm	H mm	kg
MEE-DB-W-NL	1390	300	800	29.99

**Banner for metal walls**



Q	L mm	W mm	H mm	kg
MEE-BANNER-I	230	15	1200	1.025

TRIANGULAR METAL WALL WITH WHEELS



Perforated wall detail

Q	L mm	W mm	H mm	kg
MEE-TR-W-I	700	700	1860	23.45

## Additional pos material. Empty displays

GENERIC COUNTER DISPLAY



IRIMO	L mm	W mm	H mm	kg
MEE-COUNT-IR-1	430	295	615	6.7

COUNTER S DISPLAY



- The display includes 12 hooks of 240 mm length each one

IRIMO	L mm	W mm	H mm	kg
MEE-COUNT-IR-2	465	260	465	2.6

COUNTER L DISPLAY



- The display includes 22 hooks of 240 mm length each one

IRIMO	L mm	W mm	H mm	kg
MEE-COUNT-IR-3	775	270	465	4.12

STICKERS A4 SHEET



IRIMO	L mm	W mm	H mm	kg
PPOS-A4-STICK-1	295	210	-	0.018

PALLET COVER EUROPALLET



IRIMO	L mm	W mm	H mm	kg
PEE-PC-IR-1	800	1150	250	0.735

COUNTER DISPLAY PLIERS, 5 pcs.



IRIMO	L mm	W mm	H mm	kg
CEE-COUNT-IR-1	90	200	60	0.2370

Q		Q		Q	
001021	26	040561	100	045871	103
001031	26	040581	100	045881	103
001041	26	040601	100	045891	103
001051	26	040611	100	045901	103
001061	26	040621	100	045921	103
001071	26	040641	100	045941	103
001081	26	040661	100	046011	102
020011	33	040681	100	046021	102
020031	33	040701	100	046031	102
020051	33	040731	100	046041	103
020071	33	041011	100	046051	103
020091	33	041021	100	046061	103
020121	33	041031	100	046091	102
020141	33	041041	100	046101	102
020171	33	041051	100	047001	104
020181	33	041061	100	047011	104
020201	33	041071	100	047021	104
020211	33	041091	100	047031	104
020221	33	041101	100	047041	104
020241	33	041111	101	047051	104
020251	33	041121	101	047061	104
021121	33	045001	101	047081	104
021141	33	045011	101	047101	104
021161	33	045011	103	047121	104
021221	33	045021	101	055011	36
021251	33	045031	101	055031	36
030241	37	045041	101	055051	36
030271	37	045041	103	055071	36
030301	37	045051	101	055091	36
030321	37	045061	101	055121	36
030341	37	045071	101	055141	36
030361	37	045081	101	055171	36
030381	37	045091	101	055181	36
030411	37	045101	101	055201	36
030461	37	045121	101	055211	36
030501	37	045141	101	055221	36
030551	37	045171	101	055241	36
030601	37	045191	101	055251	36
040001	100	045191	103	055301	36
040011	100	045221	101	055311	36
040011	100	045541	103	056111	36
040021	100	045561	103	056131	36
040031	100	045581	103	056151	36
040041	100	045601	103	056181	36
040041	100	045611	103	056231	36
040051	100	045621	103	056271	36
040061	100	045641	103	066-400-1	149
040071	100	045661	103	070411	40
040081	100	045681	103	070421	40
040091	100	045701	103	070431	40
040101	100	045731	103	070441	40
040121	100	045801	103	070451	40
040141	100	045811	103	070461	40
040171	100	045821	103	070471	40
040191	100	045831	103	070481	40
040191	100	045841	103	10-0405-1	27
040221	100	045851	103	10-0607-1	27
040541	100	045861	103	10-0809-1	27



Q		Q		Q	
10-1011-1	27	103A-10-1	44	112-11-1	49
10-1013-1	27	103A-11-1	44	112-12-1	49
10-12-H	28	103A-12-1	44	112-13-1	49
10-12-W	28	103A-14-1	44	112-14-1	49
10-1213-1	27	103A-16-1	44	112-15-1	49
10-1415-1	27	105-22-1	47	112-16-1	49
10-1617-1	27	105-24-1	47	112-17-1	49
10-1719-1	27	105-26-1	47	112-18-1	49
10-1819-1	27	105-28-1	47	112-19-1	49
10-2022-1	27	105-40-1	47	112-20-1	49
10-2123-1	27	105-42-1	47	112-21-1	49
10-2224-1	27	105-46-1	47	112-22-1	49
10-2426-1	27	105-48-1	47	113-07-1	49
10-2427-1	27	105-50-1	47	113-08-1	49
10-2528-1	27	105-70-1	46	113-09-1	49
10-2729-1	27	105-70-12DISP	47	113-10-1	49
10-3032-1	27	105501	46	113-11-1	49
10-8-H	28	106-04-1	45	113-12-1	49
101-04-1	44	106-05-1	45	113-13-1	49
101-045-1	44	106-06-1	45	113-14-1	49
101-05-1	44	106-07-1	45	113-16-1	49
101-055-1	44	106-08-1	45	113-17-1	49
101-06-1	44	106-10-1	45	113-19-1	49
101-07-1	44	107-0840-1	45	115-20-1	50
101-08-1	44	107-1055-1	45	115-22-1	50
101-09-1	44	107-1280-1	45	115-24-1	50
101-10-1	44	107-H3-1	46	115-40-1	50
101-11-1	44	107-H4-1	46	115-42-1	50
101-12-1	44	107-H5-1	46	115-43-1	50
101-13-1	44	107-H6-1	46	115-44-1	51
101-14-1	44	107-H8-1	46	115-46-1	50
101A-05-1	44	107-PH1-1	45	115-48-1	51
101A-06-1	44	107-PH2-1	45	115-70-1	49
101A-07-1	44	107-PH3-1	45	115501	50
101A-08-1	44	107-PZ1-1	45	119-18-4	51
101A-09-1	44	107-PZ2-1	45	121-08-1	52
101A-10-1	44	107-PZ3-1	45	121-09-1	52
101A-11-1	44	107-T08-1	46	121-10-1	52
101A-12-1	44	107-T09-1	46	121-11-1	52
101A-14-1	44	107-T10-1	46	121-12-1	52
101A-16-1	44	107-T15-1	46	121-13-1	52
101A-18-1	44	107-T20-1	46	121-14-1	52
103-04-1	44	107-T25-1	46	121-15-1	52
103-045-1	44	107-T27-1	46	121-16-1	52
103-05-1	44	107-T30-1	46	121-17-1	52
103-055-1	44	107-T40-1	46	121-18-1	52
103-06-1	44	107A-4-1	46	121-19-1	52
103-07-1	44	107A-5-1	46	121-20-1	52
103-08-1	44	107A-6-1	46	121-21-1	52
103-09-1	44	107A-7-1	46	121-22-1	52
103-10-1	44	109-13-4	48	121-23-1	52
103-11-1	44	109-23-4	48	121-24-1	52
103-12-1	44	109-35-4	48	121-25-1	52
103-13-1	44	112-06-1	49	121-26-1	52
103-14-1	44	112-07-1	49	121-27-1	52
103A-06-1	44	112-08-1	49	121-28-1	52
103A-08-1	44	112-09-1	49	121-30-1	52
103A-09-1	44	112-10-1	49	121-32-1	52

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122-09-1	52	125-40-1	57	132A-30-1	62
122-10-1	52	125-42-1	56	132A-32-1	62
122-11-1	52	125-43-1	56	132A-34-1	62
122-12-1	52	125-44-1	56	132A-36-1	62
122-13-1	52	125-46-1	56	132A-40-1	62
122-14-1	52	125-48-1	57	132A-42-1	62
122-15-1	52	125-49-1	57	132A-44-1	62
122-16-1	52	125-52-1	57	132A-46-1	62
122-17-1	52	125-53-1	57	132A-48-1	62
122-18-1	52	125-54-1	57	132A-52-1	62
122-19-1	52	125-60-1	57	132A-54-1	62
122-20-1	52	125-70-1	55	132A-60-1	62
122-21-1	52	125-70-12DISP	55	132A-64-1	62
122-22-1	52	125501	56	135-21-1	63
122-23-1	52	126-10-1	53	135-22-1	63
122-24-1	52	126-11-1	53	135-24-1	63
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122-30-1	52	126-14-1	53	135-42-1	63
122-32-1	52	126-16-1	53	135-43-1	63
122A-10-1	52	126-18-1	53	135-46-1	63
122A-11-1	52	126-20-1	53	135-52-1	63
122A-12-1	52	126-24-1	53	135-70-1	63
122A-14-1	52	129-101-4	60	135-85-1	63
122A-16-1	52	129-108-4	61	139-17-4	64
122A-18-1	52	129-12-4	58	139-21-4	64
122A-20-1	52	129-23-4	58	139-21B-4	64
122A-22-1	52	129-33GW-4	59	15-0607-1	34
122A-24-1	52	129-33W-4	58	15-0809-1	34
122A-26-1	52	129-58-4	59	15-1011-1	34
122A-28-1	52	129-9H-4	54	15-12-W	34
122A-30-1	52	129-9T-4	54	15-1213-1	34
122A-34-1	52	129A-103-4	61	15-1415-1	34
122A-38-1	52	129A-53-4	60	15-1617-1	34
122A-40-1	52	131-19-1	62	15-1719-1	34
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124-12-1	53	131-23-1	62	15-2123-1	34
124-13-1	53	131-24-1	62	15-2426-1	34
124-14-1	53	131-25-1	62	15-2427-1	34
124-15-1	53	131-26-1	62	15-2528-1	34
124-16-1	53	131-27-1	62	15-2729-1	34
124-17-1	53	131-28-1	62	15-3032-1	34
124-18-1	53	131-29-1	62	15-3236-2	34
124-19-1	53	131-30-1	62	15-3641-2	34
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124-22-1	53	131-33-1	62	15-8-W	34
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124-27-1	53	131-35-1	62	160-08-1	65
124-30-1	53	131-36-1	62	160-10-1	65
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124A-20-1	53	131-41-1	62	160-13-1	65
124A-22-1	53	131-42-1	62	160-14-1	65
124A-24-1	53	131-46-1	62	160-15-1	65
124A-26-1	53	131-50-1	62	160-16-1	65
125-22-1	56	131-55-1	62	160-17-1	65
125-23-1	56	131-60-1	62	160-18-1	65

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160-19-1	65	169-65-1	68	177-55-2	70
160-20-1	65	169921	68	177-60-2	70
160-21-1	65	169931	68	177-65-2	70
160-24-1	65	173-01-5	69	177-70-2	70
161-10-1	65	173-17-2	69	177-75-2	70
161-13-1	65	173-18-2	69	177-80-2	70
161-17-1	65	173-19-2	69	178-22-2	71
162-00-1	66	173-21-2	69	178-24-2	71
162-02-1	66	173-22-2	69	178-27-2	71
162-50-1	66	173-23-2	69	178-30-2	71
162-60-1	66	173-24-2	69	178-32-2	71
162-65-1	66	173-27-2	69	178-33-2	71
162931	66	173-28-2	69	178-34-2	71
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167-08-1	67	173-30-2	69	178-38-2	71
167-10-1	67	173-32-2	69	178-41-2	71
167-10-4	67	173-33-2	69	178-46-2	71
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167-13-1	67	173-36-2	69	178-55-2	71
167-14-1	67	173-38-2	69	178-60-2	71
167-15-1	67	173-41-2	69	179-00-2	71
167-16-1	67	173-46-2	69	179-01-2	71
167-17-1	67	173-50-2	69	179-02-2	71
167-18-1	67	173-55-2	69	179-52-2	71
167-19-1	67	173-60-2	69	179-65-2	71
167-20-1	67	174-17-2	69	179931	69
167-21-1	67	174-19-2	69	179931	71
167-22-1	67	174-21-2	69	179941	71
167-23-1	67	174-22-2	69	18-06-1	31
167-24-1	67	174-24-2	69	18-07-1	31
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167-32-1	67	174-33-2	69	18-11-1	31
167-34-1	67	174-34-2	69	18-12-1	31
167-36-1	67	174-36-2	69	18-13-1	31
167-90-2	67	174-41-2	69	18-14-1	31
167-91-2	67	175-01-2	70	18-15-1	31
168-10-1	68	175-02-2	70	18-16-1	31
168-11-1	68	175-10-2	70	18-17-1	31
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168-14-1	68	175-60-2	70	18-19-1	31
168-16-1	68	175-65-2	70	18-21-1	31
168-17-1	68	175911	69	18-22-1	31
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168-21-1	68	177-24-2	70	18-30-1	31
168-22-1	68	177-27-2	70	18-32-1	31
168-23-1	68	177-30-2	70	18-8-H	31
168-24-1	68	177-32-2	70	180-04-1	54
168-27-1	68	177-33-2	70	180-05-1	54
168-30-1	68	177-34-2	70	180-05X-1	54
168-90-2	68	177-36-2	70	180-06-1	54
169-01-1	68	177-38-2	70	180-06X-1	54
169-02-1	68	177-41-2	70	180-07-1	54
169-03-1	68	177-42-2	70	180-07X-1	54
169-25-1	68	177-46-2	70	180-08-1	54
169-60-1	68	177-50-2	70	180-08X-1	54

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180-10-1	54	202-125	75	25-09-2	29
180-10X-1	54	202-150	75	25-10-1	29
180-12-1	54	202401	75	25-10-2	29
180-12X-1	54	202411	75	25-11-1	29
180-14-1	54	202421	75	25-11-2	29
180-17-1	54	202421	75	25-12-1	29
183-20-1	54	202431	75	25-12-2	29
183-25-1	54	202441	75	25-12-H	30
183-27-1	54	202451	75	25-12-W	31
183-30-1	54	202461	75	25-13-1	29
183-40-1	54	202511	76	25-13-2	29
183-40X-1	54	202521	76	25-14-1	29
183-45-1	54	202541	76	25-14-2	29
183-45X-1	54	202561	76	25-15-1	29
183-50-1	54	202571	76	25-15-2	29
183-50X-1	54	202581	76	25-16-1	29
183-55-1	54	202661	76	25-16-2	29
183-55X-1	54	202671	76	25-17-1	29
183-60-1	54	202681	76	25-17-2	29
185-05-1	55	202761	76	25-18-1	29
185-06-1	55	202771	76	25-18-2	29
185-06X-1	55	202781	76	25-19-1	29
185-08-1	55	202811	75	25-19-2	29
185-08X-1	55	202821	75	25-20-1	29
185-10-1	55	202831	75	25-20-2	29
185-10X-1	55	202841	75	25-21-1	29
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185-12X-1	55	206-125	76	25-22-1	29
185-14-1	55	206-150	76	25-22-2	29
185-16-1	55	206721	75	25-23-1	29
19-08-1	32	206741	75	25-23-2	29
19-10-1	32	206761	75	25-24-1	29
19-11-1	32	206821	75	25-24-2	29
19-12-1	32	206831	75	25-25-1	29
19-13-1	32	206841	75	25-25-2	29
19-14-1	32	206851	75	25-26-1	29
19-17-1	32	207-100	74	25-26-2	29
19-19-1	32	207-125	74	25-27-1	29
19-8-H	32	207-150	74	25-27-2	29
190-10-135	90	207041	74	25-28-1	29
190-6-135	90	207051	74	25-28-2	29
190-7-135	90	207061	74	25-29-1	29
190-8-135	90	207071	74	25-29-2	29
191-10-175	98	216041	74	25-30-1	29
191-12-175	98	216051	74	25-30-2	29
191-13-175	98	216061	74	25-32-1	29
191-6-150	98	216071	74	25-32-2	29
191-7-175	98	217-50-B	77	25-34-1	29
191-8-175	98	217161	77	25-34-2	29
201231	74	217261	77	25-36-2	29
201241	74	217271	77	25-41-2	29
201251	74	25-06-1	29	25-46-2	29
201261	74	25-06-2	29	25-50-2	29
201431	76	25-07-1	29	25-55-2	29
201451	76	25-07-2	29	25-60-2	29
201461	76	25-08-1	29	25-65-2	29
201471	76	25-08-2	29	25-70-2	29
202-100	75	25-09-1	29	25-75-2	29

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25-8-H	30	25A-30-2	30	303221	83
254-1200-2	79	25A-32-1	30	303231	83
254-150-2	79	25A-32-2	30	303241	83
254-300-2	79	25A-34-1	30	303291	83
254-450-2	79	25A-36-1	30	303301	83
254-600-2	79	25A-40-1	30	303311	83
254-900-2	79	25A-44-1	30	303321	83
255011	78	25A-46-1	30	303331	83
255021	78	25A-48-1	30	304-250-2	82
255031	78	25A-52-1	30	304-350-2	82
255041	78	25A-58-1	30	304-450-2	82
255051	78	25A-64-1	30	304-600-2	82
256001	78	29-3550-2	38	304-900-2	82
256011	78	29-5080-2	38	304F-250-2	82
256021	78	29-80120-2	38	304F-350-2	82
256031	78	29P-3550-2	38	304F-450-2	82
256041	78	29P-3550-A	38	304F-600-2	82
256131	78	29P-5080-2	38	304F-900-2	82
256141	78	29P-5080-A	38	304S-250-2	82
256151	78	29P-80120-2	38	304S-350-2	82
256161	78	29P-80120-A	38	304S-450-2	82
256181	78	3.6SDR	165	304S-600-2	82
256201	78	30-100-2	37	304S-900-2	82
256231	78	30-65-2	37	304T-250-2	82
256241	78	30-70-2	37	304T-350-2	82
256251	78	30-75-2	37	304T-450-2	82
256261	78	30-80-2	37	304T-600-2	82
256281	78	30-85-2	37	304T-900-2	82
256301	78	30-90-2	37	307-1122-2	82
256321	78	30-95-2	37	307-350-2	82
257-200-2	78	302-210-2	82	307-685-2	82
257-300-2	78	302-260-2	82	307-940-2	82
257-400-2	78	302-310-2	82	307S-1122-2	82
257-500-2	78	302-365-2	82	307S-350-2	82
257-600-2	78	302-465-2	82	307S-685-2	82
25A-08-1	30	302-615-2	82	307S-940-2	82
25A-08-2	30	302-900-2	82	31-30-2	37
25A-10-1	30	302S-210-2	82	31-32-2	37
25A-10-2	30	302S-260-2	82	31-36-2	37
25A-12-1	30	302S-310-2	82	31-41-2	37
25A-12-2	30	302S-365-2	82	31-46-2	37
25A-14-1	30	302S-465-2	82	31-50-2	37
25A-14-2	30	302S-615-2	82	31-55-2	37
25A-16-1	30	302S-900-2	82	31-60-2	37
25A-16-2	30	302T-210-2	82	31-65-2	37
25A-18-1	30	302T-260-2	82	31-70-2	37
25A-18-2	30	302T-310-2	82	31-75-2	37
25A-20-1	30	302T-365-2	82	31-80-2	37
25A-20-2	30	302T-465-2	82	31-85-2	37
25A-22-1	30	302T-615-2	82	315021	84
25A-22-2	30	302T-900-2	82	315101	84
25A-24-1	30	303081	83	315111	84
25A-24-2	30	303111	83	321161	84
25A-26-1	30	303121	83	321281	84
25A-26-2	30	303131	83	321321	84
25A-28-1	30	303171	83	321351	84
25A-28-2	30	303201	83	321501	84
25A-30-1	30	303211	83	321511	84



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321551	84	409-2-300	89	45-02-1	101
330021	85	409-3-150	89	45-03-1	101
332-51-4	85	409-4-200	89	45-04-1	101
332-52-4	85	409V-0-100	92	45-05-1	101
332S-030-2	85	409V-1-150	92	45-06-1	101
333-003-2	85	409V-2-175	92	45-08-1	101
333-004-2	85	409V-3-200	92	45-10-1	101
333-006-2	85	413-0-75	89	454-8-F	106
333-008-2	85	413-1-100	89	454-9-H	106
333-010-2	85	413-2-125	89	454091	106
333-012-2	85	413-3-150	89	454101	106
333-014-2	85	413V-0-100	92	454151	106
333-016-2	85	413V-1-150	92	454201	106
333-018-2	85	413V-2-175	92	454251	106
333-020-2	85	413V-3-200	92	454271	106
333-022-2	85	414-10-75	89	454301	106
333-024-2	85	414-15-100	89	454401	106
333-026-2	85	414-20-100	89	457-10-1	105
333-028-2	85	414-25-125	89	457-15-1	105
333-030-2	85	414-27-125	89	457-20-1	105
407-10-200	88	414-30-150	89	457-25-1	105
407-12-250	88	414-40-150	89	457-27-1	105
407-14-250	88	417-10-125	90	457-30-1	105
407-4-100	88	417-11-125	90	457-40-1	105
407-4-75	88	417-12-125	90	457-45-1	105
407-5.5-100	88	417-13-125	90	457-50-1	105
407-5.5-125	88	417-14-125	90	457061	105
407-6.5-125	88	417-3.2-125	90	457071	105
407-6.5-150	88	417-4-125	90	457081	105
407-8-150	88	417-4.5-125	90	457091	105
407-8-175	88	417-5-125	90	457101	105
408-2.5-75	88	417-5.5-125	90	457151	105
408-3-100	88	417-6-125	90	457201	105
408-3-200	88	417-7-125	90	457251	105
408-3-75	88	417-8-125	90	457271	105
408-3.5-100	88	417-9-125	90	457301	105
408-4-100	88	42-H10-200	97	457401	105
408-4-125	88	42-H2-100	97	457451	105
408-4-250	88	42-H2.5-100	97	457501	105
408-5.5-125	88	42-H3-100	97	458-02-1	98
408-5.5-150	88	42-H4-150	97	458-8-F	105
408-5.5-25	88	42-H5-150	97	458-9-H	105
408-5.5-300	88	42-H6-200	97	459-5-B	93
408-6.5-150	88	42-H8-200	97	459-5A-B	93
408-6.5-25	88	420-3-1	101	459-6-B	93
408V-2.5-100	92	427411	98	459-6-C	93
408V-3-100	92	429-03-1	99	459-6A-C	94
408V-3.5-100	92	429-04-1	99	459-6B-C	94
408V-4-100	92	429-10-1	99	459-6C-C	94
408V-5.5-125	92	42B-6-B	97	459V-3-1	92
408V-6.5-150	92	42B-H10-200	97	459V-6-B	96
408V-8-175	92	42B-H3-100	97	459V-6-C	96
409-0-75	89	42B-H4-150	97	46-8-F	102
409-1-100	89	42B-H5-150	97	46-9-H	102
409-1-25	89	42B-H6-200	97	46-T10-100	97
409-1-250	89	42B-H8-200	97	46-T15-150	97
409-2-125	89	45-00-1	101	46-T20-150	97
409-2-25	89	45-01-1	101	46-T25-150	97

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46-T30-200	97	475-50PZ2-1	108	5-250C-1	26
46-T40-200	97	475-50PZ3-1	108	5-300-1	26
461-6-B	99	475-6.0-1	107	5-300-2	26
47-00-1	104	475-6.5-1	107	5-300C-1	26
47-01-1	104	475-61-1	110	5-375-2	26
47-02-1	104	475-8.0-1	107	5-375C-2	26
47-03-1	104	475-H3-1	109	5-4-W	26
47-04-1	104	475-H4-1	109	5-450-2	26
47-05-1	104	475-H5-1	109	5-450C-2	26
47-06-1	104	475-H6-1	109	501-150-1	118
47-08-1	104	475-PH0-1	107	501-175-1	118
47-10-1	104	475-PH1-1	107	501-200-1	118
470-10.0-1	111	475-PH2-1	107	501-250-1	118
470-12.0-1	111	475-PH2G-1	107	501-300-1	118
470-14.0-1	111	475-PH3-1	107	502-230-1	121
470-5.5-1	111	475-PZ0-1	108	503-200-1	122
470-6.5-1	111	475-PZ1-1	108	503-250-1	122
470-8.0-1	111	475-PZ2-1	108	503-300-1	122
470-H10-1	111	475-PZ3-1	108	504-150-1	118
470-H4-1	111	475-T10-1	108	504-175-1	118
470-H5-1	111	475-T15-1	108	504-200-1	118
470-H6-1	111	475-T20-1	108	504-250-1	118
470-H7-1	111	475-T25-1	108	504-300-1	118
470-H8-1	111	475-T27-1	108	505-150-1	118
470-PH1-1	111	475-T30-1	108	505-200-1	118
470-PH2-1	111	475-T40-1	108	505-250-1	118
470-PH3-1	111	475-T6-1	108	506-150-1	118
470-PH4-1	111	475-T7-1	108	506-175-1	118
470-T20-1	111	475-T8-1	108	506-200-1	118
470-T25-1	111	475-T9-1	108	51-06-1	35
470-T27-1	111	475-TR10-1	108	51-07-1	35
470-T30-1	111	475-TR15-1	108	51-08-1	35
470-T40-1	111	475-TR20-1	108	51-09-1	35
470-T45-1	111	475-TR25-1	108	51-10-1	35
470-T50-1	111	475-TR27-1	108	51-11-1	35
470-T55-1	111	475-TR30-1	108	51-12-1	35
470011	112	475-TR40-1	108	51-13-1	35
470051	112	475A-25-1	109	51-14-1	35
471011	112	475A-50-1	109	51-15-1	35
471151	115	475A-60QR-1	110	51-16-1	35
474M-10-1	109	475A-M-75-1	110	51-17-1	35
474M-13-1	109	475R-1/4-110	91	51-18-1	35
474M-5-H	109	475R-1/4-30	91	51-19-1	35
474M-5.5-1	109	478-4-1	99	51-20-1	35
474M-7-1	109	478-4-2	99	51-21-1	35
474M-8-1	109	48-9-H	104	51-22-1	35
475-1/4-125	90	48A-13-H	104	51-23-1	35
475-1/4F-160	90	5-100-1	26	51-24-1	35
475-32-1	110	5-100-2	26	51-25-1	35
475-32-8DISP	110	5-100C-1	26	51-26-1	35
475-4-1	107	5-150-1	26	51-27-1	35
475-4.5-1	107	5-150-2	26	51-28-1	35
475-5-1	98	5-150C-1	26	51-29-1	35
475-5.5-1	107	5-200-1	26	51-30-1	35
475-50PH1-1	107	5-200-2	26	51-32-1	35
475-50PH2-1	107	5-200C-1	26	51-8-W	35
475-50PH3-1	107	5-250-1	26	511-100-1	119
475-50PZ1-1	108	5-250-2	26	511-105-1	119

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511-110-1	119	52-14-1	35	526-32-2	125
511-115-1	119	52-15-1	35	526-41-2	125
511-130-1	119	52-16-1	35	526-42-2	125
511-91-4	119	52-17-1	35	526-51-2	125
511-92-4	119	52-18-1	35	526-52-2	125
511501	122	52-19-1	35	526-53-2	125
512-010-1	119	52-20-1	35	526-61-2	125
512-012-1	119	52-21-1	35	526-62-2	125
513-002-1	119	52-22-1	35	526-71-2	125
513-003-1	119	52-23-1	35	526-72-2	125
513-004-1	119	52-24-1	35	526-91-2	125
513-005-1	119	52-25-1	35	526-92-2	125
513-006-1	119	52-26-1	35	527-31-2	125
513-008-1	119	52-27-1	35	527-32-2	125
513-010-1	119	52-28-1	35	527-33-2	125
513-91-4	120	52-29-1	35	527-41-2	125
513-92-4	120	52-30-1	35	527-43-2	125
514-002-1	119	52-32-1	35	527-51-2	125
514-003-1	119	52-8-W	35	527-52-2	125
514-004-1	119	520-13S-1	123	527-53-2	125
514-005-1	119	520-41-2	123	527-61-2	125
514-006-1	119	520-42-2	123	527-63-2	125
515-002-1	120	520-43-2	123	527-71-2	125
515-003-1	120	520-61-2	123	527-73-2	125
515-004-1	120	520-63-2	123	527-81-2	125
515-005-1	120	521-51-2	123	527-82-2	125
515-006-1	120	521-52-2	123	527-83-2	125
515-007-1	120	521-53-2	123	527-91-2	125
515-008-1	120	521-54-2	123	527-93-2	125
515-009-1	120	521-71-2	123	529021	127
515-010-1	120	521-73-2	123	529031	127
515-91-4	121	521-81-2	123	529041	127
516-002-1	120	521-82-2	123	529061	127
516-003-1	120	521-83-2	123	529071	127
516-004-1	120	521-84-2	123	529081	127
516-005-1	120	522-21-2	124	529091	127
516-006-1	120	522-22-2	124	529101	127
516-008-1	120	522-23-2	124	529151	127
517-120-1	121	522-31-2	124	529161	127
517-130-1	121	522-32-2	124	529171	127
517-135-1	121	522-33-2	124	529181	127
517-140-1	121	522-41-2	124	529191	127
517-145-1	121	522-42-2	124	529251	126
517-150-1	121	522-43-2	124	529261	126
517-91-4	121	525-21-2	124	529271	126
518-004-1	121	525-22-2	124	529291	126
518-006-1	121	525-31-2	124	529611	127
519-91-4	120	525-32-2	124	529621	127
519-92-4	121	525-41-2	124	529631	127
519-93-4	122	525-42-2	124	529701	127
52-06-1	35	525-43-2	124	529711	127
52-07-1	35	525-61-2	124	529721	127
52-08-1	35	525-62-2	124	529751	127
52-09-1	35	525-71-2	124	529761	127
52-10-1	35	525-72-2	124	529771	127
52-11-1	35	525-81-2	124	529781	127
52-12-1	35	525-82-2	124	529791	127
52-13-1	35	526-31-2	125	529801	127

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529811	127	546-265-A	141	629-160-1	130
529821	127	546-265-B	141	629V-160-1	133
530-03-2	126	546021	141	630-61B1-4	137
530-05-2	126	546201	141	630-B1-1	137
530-07-2	126	546211	141	630-B2-1	137
530-13-2	126	546221	141	630-B3-1	137
530-15-2	126	546251	141	631-200-1	134
531-05-2	126	548-275-1	141	632-220-1	134
531-07-2	126	548-275-M3	141	632-250-1	134
531-08-2	126	548-275-M4	141	632-280-1	134
531-09-2	126	548-275-M5	141	632D-250-1	134
531-15-2	126	548-275-M6	141	634-200-1	131
531-17-2	126	601-160-1	130	634-250-1	131
531-18-2	126	601-180-1	130	634-300-1	131
531-19-2	126	601-200-1	130	634V-250-1	133
534251	154	601-3-C	132	641-190-1	138
534261	154	601911	136	641-235-1	138
534281	154	601V-160-1	132	642-190-1	138
534291	154	601V-180-1	132	642-235-1	138
534311	155	601V-200-1	132	643-165-1	139
534321	155	601V-3-C	134	644-300-1	139
534341	155	602-3-C	132	645-300-1	139
534351	155	604-160-1	130	645011	140
534371	155	608-160-1	130	645021	140
534381	155	612-160-1	130	645031	140
534401	155	612-200-1	130	645041	140
534411	155	612V-160-1	132	646-300-1	139
534501	155	612V-200-1	132	647-235-1	139
534521	154	613-160-1	130	647-250-1	139
534531	154	613-200-1	130	648-140-1	140
534541	154	613V-200-1	133	648-165-1	140
534551	154	621551	135	648-185-1	140
534561	154	621561	135	648-250-1	140
534571	154	621571	135	648-4-W	140
534601	155	621581	135	651101	135
534611	155	621591	135	651111	135
534621	155	621651	135	651121	135
534681	155	621661	135	651131	135
534691	155	621671	135	651141	135
534701	155	621681	135	651201N	135
534901	155	621691	135	651211N	135
534911	155	621751	136	651221N	135
534931	155	621761	136	651231N	135
534941	155	621771	136	651241N	135
536011	159	621781	136	655-160-1	131
538-140-1	142	621791	136	655-200-1	131
540021	159	621851	136	658-250-1	138
540031	159	621861	136	659-250-1	138
540041	159	621871	136	660-250-1	138
540051	159	621881	136	661-140-1	144
540061	159	621891	136	661-140-12-DISP	144
540071	159	624-140-1	131	661051	144
540081	159	624-160-1	131	661061	144
540091	159	624-180-1	131	664-200-1	143
540101	159	624V-160-1	133	665-200-1	143
540121	159	625-180-1	131	666-156-1	142
546-265-1	141	625-200-1	131	667-135-1	142
546-265-4	141	625V-180-1	133	668-150-1	142

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669-190-1	143	716-M11-1	148	740-016-2	150
670-178-1	143	716-M14-1	148	740-020-2	150
671-150-1	143	716-M18-1	148	740-022-2	150
701-130-1	146	716-M6-1	148	740-025-2	150
701-130-B	146	716-M8-1	148	740-030-2	150
701-160-1	146	718211	148	740-035-2	150
701-160-B	146	718231	148	740-040-2	150
701-160-K	146	720-1M-413	149	740-050-2	150
701-160-K	146	720-3M-413	149	740S-008-2	150
701-160-S	146	720031	149	740S-010-2	150
701-160-S	146	722-4-1	144	740S-012-2	150
701-200-1	146	730011	148	740S-014-2	150
701-200-B	146	730131	148	796491	147
701-250-1	146	7309-1-10	40	796501	147
701-250-B	146	7309-1-11	40	796511	147
701-250-K	146	7309-1-12	40	796521	147
701-250-K	146	7309-1-13	40	796531	147
701-250-S	146	7309-1-14	40	796541	147
701-250-S	146	7309-1-17	40	796551	147
701-350-1	146	7309-1-19	40	796561	147
701-350-B	146	7309-1/2	41	796571	147
701-90-1	146	7309-1/4	41	800-111-1	153
701-90-B	146	7309-125	40	800-131-1	152
701-90-K	146	7309-2-10	40	800-141-1	153
701-90-K	146	7309-2-11	40	800-151-1	153
701-90-S	146	7309-2-12	40	800-168-1	152
701-90-S	146	7309-2-13	40	800-208-1	152
702-40-1	146	7309-2-14	40	800-228-1	152
702-40-B	146	7309-2-17	40	801-011-1	154
702-40-K	146	7309-2-19	40	801-041-1	153
702-40-K	147	7309-2-22	40	801-145-1	154
702-40-P	146	7309-3/8	41	801101	153
702-40-P	147	7309-30	40	802-2400-1	152
702-40-S	146	7309-5/16	41	802-2423-1	152
702-40-S	147	7309-60	40	802-2451-1	152
702-65-1	146	7314-1-13	41	802-3000-1	152
702-65-K	146	7314-1-14	41	802-3023-1	152
702-65-K	147	7314-1-17	41	802-3051-1	152
702-65-S	146	7314-1-19	41	802-3600-1	152
702-65-S	147	7314-1-22	41	802-3623-1	152
702-80-1	146	7314-1-24	41	802-3651-1	152
702-80-K	146	7314-1-27	41	803-318-5	153
702-80-K	147	7314-1-30	41	803-318-50	153
702-80-S	146	7314-1-32	41	803-324-5	153
702-80-S	147	7314-1/2	41	803-324-50	153
703-40-1	147	7314-2-13	41	803-332-5	153
703-40-B	147	7314-2-14	41	803-332-50	153
703-65-1	147	7314-2-17	41	805-3-C	128
703-80-1	147	7314-2-19	41	805-6-C	128
713001	147	7314-2-22	41	806-6-B	128
713011	147	7314-2-24	41	810-2264-4	154
713511	147	7314-2-27	41	902021	15
713521	147	7314-2-30	41	902031	15
713531	147	7314-2-32	41	9020F350	15
713541	147	7314-2-36	41	9020F550	15
713611	147	7314-2-41	41	9020F550FF10	16
716-5-1	148	7314-200	40	9020F550TS10	16
716-8-1	148	7314-335	40	902131	15

9021FTW520	13	910-83DISP	95	MEE-TR-W-I	170
9021FTW520-AC1	13	910V-72DISP	96	P218	164
9021FTW520-AC2	13	980-20S-1	158	P254	165
9021FTW520-AC3	13	980-3-1	157	P255	165
9021FTW520-AC4	13	980-3B-1	157	P700	163
9021FTW520-AC5	13	980-5-1	157	P704	162
9021FTW520-BB	13	980-5-25-1	157	P800	162
9021FTW520-MD	13	980-5B-1	157	P800K	162
9021FTW520-TB	13	980-5T-1	158	P802	163
9021FTW520FF1	13	980-5W-1	158	P815	162
9021FTW520TS2	13	980-8B-1	157	P815K1	163
9022-1-16SB	18	980-TP2-1	157	P817	162
9022-1-19HB	18	980HV-3-1	157	P821	163
9022-2-16HB	18	980HV-5-1	157	PEE-METHACRYL-I	170
9022-2-19HB	18	981131	159	PEE-PC-IR-1	171
9022-2-19TS1	19	981201	159	PEE-SIGN-DB-W-2	170
9022-2-19TS2	19	981411	159	PEE-TOPSIGN-I	170
9022-3-10	23	982-10-1	156	PM0189	164
9022-3-20	21	982-40-1	156	PM5002	164
9022-3-20TS1	21	982-4M-1	156	PM5003	164
9022-3-20TS2	21	982-60-1	156	PM5012	164
9022-3-30	22	982-6M-1	156	PM5013	164
9022-3-30TS1	22	982-80-1	156	PM5142	164
9022-3-30TS2	22	982-SET	156	PM5143	164
9022-3-40	22	982-TOR-1	156	PM5152	164
9022-3-40TS1	22	983-25-1	156	PM5153	164
9022-3-40TS2	22	985-2-1	158	PM5248	164
9022-3-50	23	CEE-COUNT-IR-1	171	PN251	164
9022-3-50TS1	23	HV-BAND	160	PPOS-A4-STICK-I	171
9022-4-26	20	HV-BC1	160	PQCF14	164
9022-4-26TS1	20	HV-HAT1	160	T49	115
9022-4-35	21	HV-SV1-L	160	T4901	113
9022-4-35TS1	21	HV-SV1-M	160	T4902	113
9022-BP1	20	HV-SV1-S	160	T49H10	113
9022-BPW	20	HV-SV1-XL	160	T49H10L	113
9023PT565	17	HV-SV1-XXL	160	T49H10XL	113
9023PT565TS1	17	L01	167	T49H12	113
9024-1TS1	17	L13	166	T49H12L	113
9062WB100	15	L14	166	T49H14	113
9063FT90	14	L21	166	T49H4	113
9063HT150	14	L31	166	T49H4L	113
9063HT300	14	L51-1	167	T49H5	113
9064-15	10	MEE-1S2L-B-I	168	T49H5L	113
9064AC01	10	MEE-1S2L-B-I	169	T49H6	113
9064K-02	14	MEE-BANNER-I	170	T49H6L	113
9064K-02T	14	MEE-COR-1L-B-I	169	T49H7	113
9065K4	10	MEE-COR-LIGHT-I	169	T49H7L	113
9066K-01	10	MEE-COUNT-IR-1	171	T49H8	113
9066K-02	10	MEE-COUNT-IR-2	95	T49H8L	113
9066K-03	10	MEE-COUNT-IR-2	96	T49M10	114
9066K-05	10	MEE-COUNT-IR-2	171	T49M10L	114
9066K-06	10	MEE-COUNT-IR-3	95	T49M12	114
9066K5	10	MEE-COUNT-IR-3	171	T49M12L	114
9066K6	10	MEE-DB-W-NL	170	T49M14	114
9066K6FF101	11	MEE-LIGHTBOX-I	169	T49M5	114
9066K7	10	MEE-SA-SS-IR	65	T49M5L	114
9066K7FF102	12	MEE-SIGN-CARR-I	168	T49M6	114
910-152DISP	95	MEE-SIGN-CARR-I	169	T49M6L	114



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T49M8	114	T49T30XL	115	T49T60	113
T49M8L	114	T49T40	113	T49T60H	114
T49SQ10	114	T49T40H	114	T49T60HL	114
T49SQ8	114	T49T40HL	114	T49T60L	113
T49T20	113	T49T40L	113	T49T70HL	115
T49T20H	114	T49T40XL	115	T49T80HL	115
T49T20HL	114	T49T45	113	WB-300-2	122
T49T20L	113	T49T45H	114	WB-500-2	122
T49T25	113	T49T45HL	114	WB-625-2	122
T49T25H	114	T49T45L	113	WB-710-2	122
T49T25HL	114	T49T45XL	115	WB-900-2	122
T49T25L	113	T49T50	113	Z150003	142
T49T27	113	T49T50H	114	ZH1100	148
T49T27H	114	T49T50HL	114	ZH70610	149
T49T27HL	114	T49T50L	113	ZH70611	149
T49T27L	113	T49T55	113	ZH70612	149
T49T30	113	T49T55H	114	ZH70613	149
T49T30H	114	T49T55HL	114	ZH70614	149
T49T30HL	114	T49T55L	113	ZL2216	167
T49T30L	113	T49T55XL	113		

"		mm.	"		mm.	"		mm.
"		mm.	"		mm.	"		mm.
.	0.0039	0.1000	.	0.5512	14.0000	.	1.8898	48.0000
.	0.0079	0.2000	9/16"	0.5625	14.2875	.	1.9291	49.0000
.	0.0118	0.3000	.	0.5709	14.5000	.	1.9685	50.0000
1/64"	0.0156	0.3969	37/64"	0.5781	14.6844	2"	2.0000	50.8000
.	0.0157	0.4000	.	0.5906	15.0000	.	2.0079	51.0000
.	0.0197	0.5000	19/32"	0.5938	15.0813	.	2.0472	52.0000
.	0.0236	0.6000	39/64"	0.6094	15.4781	.	2.0866	53.0000
.	0.0276	0.7000	.	0.6102	15.5000	.	2.1260	54.0000
1/32"	0.0313	0.7938	5/8"	0.6250	15.8750	.	2.1654	55.0000
.	0.0315	0.8000	.	0.6299	16.0000	.	2.2047	56.0000
.	0.0354	0.9000	41/64"	0.6406	16.2719	.	2.2441	57.0000
.	0.0394	1.0000	.	0.6496	16.5000	2 1/4"	2.2500	57.1500
.	0.0433	1.1000	21/32"	0.6563	16.6688	.	2.2835	58.0000
3/64"	0.0469	1.1906	.	0.6693	17.0000	.	2.3228	59.0000
.	0.0472	1.2000	43/64"	0.6719	17.0656	.	2.3622	60.0000
.	0.0512	1.3000	11/16"	0.6875	17.4625	.	2.4016	61.0000
.	0.0551	1.4000	.	0.6890	17.5000	.	2.4409	62.0000
.	0.0591	1.5000	45/64"	0.7031	17.8594	.	2.4803	63.0000
1/16"	0.0625	1.5875	.	0.7087	18.0000	2 1/2"	2.5000	63.5000
.	0.0630	1.6000	23/32"	0.7188	18.2563	.	2.5197	64.0000
.	0.0669	1.7000	.	0.7283	18.5000	.	2.5591	65.0000
.	0.0709	1.8000	47/64"	0.7344	18.6531	.	2.5984	66.0000
.	0.0748	1.9000	.	0.7480	19.0000	.	2.6378	67.0000
5/64"	0.0781	1.9844	3/4"	0.7500	19.0500	.	2.6772	68.0000
.	0.0787	2.0000	49/64"	0.7656	19.4469	.	2.7165	69.0000
.	0.0827	2.1000	.	0.7677	19.5000	2 3/4"	2.7500	69.8500
.	0.0866	2.2000	25/32"	0.7813	19.8438	.	2.7559	70.0000
.	0.0906	2.3000	.	0.7874	20.0000	.	2.7953	71.0000
3/32"	0.0938	2.3813	51/64"	0.7969	20.2406	.	2.8346	72.0000
.	0.0945	2.4000	.	0.8071	20.5000	.	2.8740	73.0000
.	0.0984	2.5000	13/16"	0.8125	20.6375	.	2.9134	74.0000
7/64"	0.1094	2.7781	.	0.8268	21.0000	.	2.9528	75.0000
.	0.1181	3.0000	53/64"	0.8281	21.0344	.	2.9921	76.0000
1/8"	0.1250	3.1750	27/32"	0.8438	21.4313	3"	3.0000	76.2000
.	0.1378	3.5000	.	0.8465	21.5000	.	3.0315	77.0000
9/64"	0.1406	3.5719	55/64"	0.8594	21.8281	.	3.0709	78.0000
5/32"	0.1563	3.9688	.	0.8661	22.0000	.	3.1102	79.0000
.	0.1575	4.0000	7/8"	0.8750	22.2250	.	3.1496	80.0000
11/64"	0.1719	4.3656	.	0.8858	22.5000	.	3.1890	81.0000
.	0.1772	4.5000	57/64"	0.8906	22.6219	.	3.2283	82.0000
3/16"	0.1875	4.7625	.	0.9055	23.0000	.	3.2677	83.0000
.	0.1969	5.0000	29/32"	0.9063	23.0188	.	3.3071	84.0000
13/64"	0.2031	5.1594	59/64"	0.9219	23.4156	.	3.3465	85.0000
.	0.2165	5.5000	.	0.9252	23.5000	.	3.3858	86.0000
7/32"	0.2188	5.5563	15/16"	0.9375	23.8125	.	3.4252	87.0000
15/64"	0.2344	5.9531	.	0.9449	24.0000	.	3.4646	88.0000
.	0.2362	6.0000	61/64"	0.9531	24.2094	3 1/2"	3.5000	88.9000
1/4"	0.2500	6.3500	.	0.9646	24.5000	.	3.5039	89.0000
.	0.2559	6.5000	31/32"	0.9688	24.6063	.	3.5433	90.0000
17/64"	0.2656	6.7469	.	0.9843	25.0000	.	3.5827	91.0000
.	0.2756	7.0000	63/64"	0.9844	25.0031	.	3.6220	92.0000
9/32"	0.2813	7.1438	1"	1.0000	25.4000	.	3.6614	93.0000
.	0.2953	7.5000	.	1.0039	25.5000	.	3.7008	94.0000
19/64"	0.2969	7.5406	.	1.0236	26.0000	.	3.7402	95.0000
5/16"	0.3125	7.9375	.	1.0433	26.5000	.	3.7795	96.0000
.	0.3150	8.0000	.	1.0630	27.0000	.	3.8189	97.0000
21/64"	0.3281	8.3344	.	1.0827	27.5000	.	3.8583	98.0000
.	0.3346	8.5000	.	1.1024	28.0000	.	3.8976	99.0000
11/32"	0.3438	8.7313	.	1.1220	28.5000	.	3.9370	100.0000
.	0.3543	9.0000	.	1.1417	29.0000	4"	4.0000	101.6000
23/64"	0.3594	9.1281	.	1.1614	29.5000	.	4.3307	110.0000
.	0.3740	9.5000	.	1.1811	30.0000	4 1/2"	4.5000	114.3000
3/8"	0.3750	9.5250	.	1.2205	31.0000	.	4.7244	120.0000
25/64"	0.3906	9.9219	1 1/4"	1.2500	31.7500	5"	5.0000	127.0000
.	0.3937	10.0000	.	1.2598	32.0000	.	5.1181	130.0000
13/32"	0.4063	10.3188	.	1.2992	33.0000	.	5.5118	140.0000
.	0.4134	10.5000	.	1.3386	34.0000	.	5.9055	150.0000
27/64"	0.4219	10.7156	.	1.3780	35.0000	6"	6.0000	152.4000
.	0.4331	11.0000	.	1.4173	36.0000	.	6.2992	160.0000
7/16"	0.4375	11.1125	.	1.4567	37.0000	.	6.6929	170.0000
.	0.4528	11.5000	.	1.4961	38.0000	.	7.0866	180.0000
29/64"	0.4531	11.5094	1 1/2"	1.5000	38.1000	.	7.4803	190.0000
15/32"	0.4688	11.9063	.	1.5354	39.0000	.	7.8740	200.0000
.	0.4724	12.0000	.	1.5748	40.0000	8"	8.0000	203.2000
31/64"	0.4844	12.3031	.	1.6142	41.0000	.	9.8425	250.0000
.	0.4921	12.5000	.	1.6535	42.0000	10"	10.0000	254.0000
1/2"	0.5000	12.7000	.	1.6929	43.0000	20"	20.0000	508.0000
.	0.5118	13.0000	.	1.7323	44.0000	30"	30.0000	762.0000
33/64"	0.5156	13.0969	1 3/4"	1.7500	44.4500	40"	40.0000	1016.0000
17/32"	0.5313	13.4938	.	1.7717	45.0000	60"	60.0000	1524.0000
.	0.5315	13.5000	.	1.8110	46.0000	80"	80.0000	2032.0000
35/64"	0.5469	13.8906	.	1.8504	47.0000	100"	100.0000	2540.0000

# Standards

## What is a standard?

A standard is a document that provides requirements, specifications, guidelines or characteristics that can be used consistently to ensure that materials, products, processes and services are fit for their purpose.

## What are the benefits of ISO International Standards?

ISO International Standards ensure that products and services are safe, reliable and of good quality. For business, they are strategic tools that reduce costs by minimizing waste and errors, and increasing productivity. They help companies to access new markets, level the playing field for developing countries and facilitate free and fair global trade.

## IRIMO main product families

### Socket wrenches

- ISO 2725, hand sockets, general dimensions; ISO 1174, driving squares. The standards define the limits to certain dimensions to avoid the play between the socket and the bolt, the accessibility to reach, and guarantee the correct torque transmission and to work with nuts and studs.
- ISO 1711, hand and impact sockets, define the minimum hardness that a socket should have, and the minimum torque that a socket should resist. This assures that only the right material has been used, and the socket will be able to be used without breakage risk.
- The profile of the sockets, hex and biex, was designed for a much better distribution of the strength far from the corners to avoid possible breakings. At the same time the transmission of the torque to the bolts and nuts is made out of the edges, protecting the life of the components.

### Adjustable Wrenches

- Stands ISO 6787 standard torque values plus 30% without opening and deformation.
- General dimensions of adjustable wrenches according to ISO 6787 standard.
- Design forged in one piece.

### Spanners-Wrenches

- Stands ISO 1711-1 standard torque values plus 30% without opening and deformation.
- Higher hardness according to ISO 1711-1, without fragility risk.
- Wrench end fitting tolerance according to ISO 691 gives higher performance and better transmission of the torque to the bolts and nuts.

## Pliers

- ISO standards on pliers define, for each product family, the basic dimensions of the product. In addition to this, when applicable ISO standards also define:
  - Maximum acceptable deformations after a load test.
  - Maximum acceptable deformations after a torsion test.
  - Maximum acceptable cutting force tests.
- The most important ISO standards for pliers are:
  - ISO 5745 Pliers for gripping and manipulating – Dimensions and test values.
  - ISO 5746 Engineer's and "Lineman's" pliers – Dimensions and test values.
  - ISO 5749 Diagonal cutting nippers – Dimensions and test values.
  - ISO 8976 Multiple slip joint pliers – Dimensions and test values.
  - ISO 9242 Construction worker's pincers – Dimensions and test values.
  - ISO 9243 Pliers and nippers – Carpenter's pincers – Dimensions and test values.

## Torque wrenches

ISO 6789 classifies the torque wrenches into different types (I, II) and classes (A,B,C,D,E,F).

The ISO standard assigns different accuracy levels (4% or 6%) depending on the type, class and max torque of each wrench.

This accuracy needs to be accomplished between 20% and 100% of the maximum torque of the wrench.

The standard also establishes the calibration procedure, conditions and frequency as well as other tests and product requirements.

IRIMO torque tools comply with ISO 6789 standard and SNA Europe offers calibration services in his internal After Sales Centers.

## Screwdrivers

ISO standards on screwdrivers define the tip dimension, the minimum hardness and the minimum torque that they should resist.

After torque testing with the minimum value, screwdrivers shall not show any deformation on injuries at the tip:

- ISO 2380 Slotted screwdrivers – Dimensions, hardness and minimum torque values.
- ISO 8764 Phillips and Pozidriv screwdrivers – Dimensions, hardness and minimum torque values.
- ISO 2936 Hexagon screwdrivers – Dimensions, hardness and minimum torque values.

However, the Irimo screwdrivers must meet Internal Standards that are above the ISO standard.

Internal torque values standards is 20% over the ISO standard for SLOTTED screwdrivers and 50% in Ph and PZ.

The combination of the raw material and hardness determines the performance of the blade, longer life and quality work Internal hardness; Minimum SNA Europe 58-59 HRc. Minimum ISO standards 54 HRc.

TORX® drivers; torque values are evaluated with testing gauges of Acument Global Technologies Inc., licensor of TORX®.

Dear Colleagues,

SNA Europe is committed to providing its customers with products that are fully compliant with all regulations, international protocols and customer standards to which they are subject. In this respect, SNA Europe complies with appropriate international regulations and directives, including REACH, RoSH, WEEE, **CE**, Conflict Minerals, etc.

Regarding REACH European regulation N° 1907/2006, it requires suppliers of any product to inform the customer of the presence of substances of very high concern (SVHC) (<http://www.echa.europa.eu/candidate-list-table>) listed in the relevant and official list above a concentration of 0.1% weight by weight (w/w). The ECHA, European Chemicals Agency, recently added several chemical substances to the list and as of December, 2014 there are 161 substances in the Candidate List of SVHC. The compliance in REACH prevents the user from probable serious effects to human health (and/or) the environment, including carcinogenic, toxic and mutagenic categories.

The definition and aim of the RoHS directive is quite simple. The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. Any RoHS compliant component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2012/19/EU on waste electrical and electronic equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003. The WEEE Directive set collection, recycling and recovery targets for all types of electrical goods, with a minimum rate of 4 kilograms per head of population per annum recovered for recycling by 2009.

The **CE** marking is the manufacturer's declaration that the product meets the requirements of the applicable EC directives.

The term Conflict Minerals refers to raw materials that come from a particular part of the world where conflict is occurring and affects the mining and trading of those materials. These are defined as columbite-tantalite, also known as coltan (from which tantalum is derived); cassiterite (tin); gold; wolframite (tungsten); or their derivatives; to be financing conflict in the Democratic Republic of the Congo or an adjoining country.

**SNA**Europe

# Warranty

1. Where permitted by law, all hand tools in the catalogue are offered with a lifetime warranty - a warranty against material and manufacturing defects for the normal lifetime of the tool in question. 'Lifetime' is defined as the period of time a tool can be expected to last under normal use and conditions.
2. SNA Europe's range of power tools, pneumatic tools and measuring tools are excluded from point 1 and each has a separate warranty card supplied with the product covering the specific warranty conditions. Products are designed and manufactured for professional use. Generally the warranty period is one year (12 months) for professional use and two years (24 months) for private use. The warranty period starts on the purchase date. This date may be verified with the invoice or any other document of equivalent legal validity.
3. Defective products will be repaired, replaced or substituted. SNA Europe does not cover transit costs for repaired, replaced or substituted products.
4. Any product that has been incorrectly used and/or maintained or that is worn from improper use or that has suffered unauthorized modifications is not covered by this warranty.
5. A warranty claim must be submitted within the warranty period. This requires the submission or shipment of the complete tool in question with verification of sale documentation, which must validate the purchase date and the product designation, to the retailer or distributor.
6. Replacement or repair of the product will be carried out as quickly as possible. At the reception of the replaced or repaired product the customer is asked to validate conformity. Replacements and repairs provided under the warranty do not lengthen or renew the warranty period for the tool.

**SNA** Europe



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