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943000

1-1/2" Dr. Super Duty Air Impact Wrench

NEW



3000
FT.-LBS.

Specifications:

Air Pressure 90 psig / 620 kpa
Drive 1-1/2 inch
Max. Torque 3000 ft.-lbs. / 4068 Nm
Free Speed 3700 rpm
Standard Bolt Cap 1-3/4 inch / 44mm
Net Weight 33 lbs. / 14.9 kg
Overall Length 19.3 inch / 490 mm
Avg. Air Consumption ... 14.7 cfm
Air Inlet 1/2 inch
Minimum Hose Size 3/4 inch / 19 mm
Machine Design Twin Hammer

14.9 Kg 1 pc / 17.7 Kgs / 1.32 CUFT

943008

1-1/2" Dr. Long Anvil Super Duty Air Impact Wrench

NEW



3000
FT.-LBS.

Specifications:

Air Pressure 90 psig / 620 kpa
Drive 1-1/2 inch
Max. Torque 3000 ft.-lbs. / 4068 Nm
Free Speed 3700 rpm
Standard Bolt Cap 1-3/4 inch / 44mm
Net Weight 38 lbs. / 17.2 kg
Overall Length 27.2 inch / 690 mm
Avg. Air Consumption ... 14.7 cfm
Air Inlet 1/2 inch
Minimum Hose Size 3/4 inch / 19 mm
Machine Design Twin Hammer

17.2 Kg 1 pc / 20 Kgs / 1.32 CUFT

AF-3406

6 Piece Air File Set

- ▶ 1 pc air file wrench
- 5 pcs air files (500861 ~ 500865)
 - flat
 - round
 - ▲ half round
 - square
 - ▲ triangle



NEW

920 g 10 sets / 11.2 Kgs / 1.2 CUFT

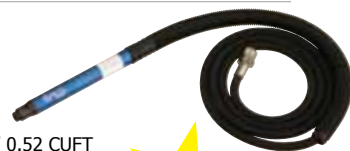
- Free speed 3400 spm File shake dia. 5 mm
- Air inlet 1/4" Stroke length 10 mm
- Air pressure 90 psi

156000

Air Micro Die Grinder

360 g 12 pcs / 5 Kgs / 0.52 CUFT

- Free speed 56,000 rpm
- Collet size..... 3mm (1/8")
- Air pressure 90 psi



NEW

DG-1516

16 Piece Air Micro Die Grinder Set

- ▶ 1 pc air micro die grinder
- 1 pc 1/4" air oil lubricator
- 1 pc 1/4" coupler fitting plug
- 10 pcs mounted points
- 1 pc oil pot
- 2 pcs wrenches

800 g 8 sets / 7.4 Kgs / 1.16 CUFT

- Free speed 56,000 rpm
- Collet size..... 3mm (1/8")
- Air pressure 90 psi



NEW

DI-621M

21 Piece Metric Deep Impact Socket Set

- ▶ 21 pcs 3/4" Dr. metric deep impact socket (649519 ~ 649550)
- 19, 21, 22, 23, 24, 27, 29, 30, 32, 33, 35, 36, 38, 40, 41, 42, 43, 45, 46, 48, 50 mm

19 Kg 1 set / 20 Kgs / 0.91 CUFT



NEW

DI-621S

21 Piece SAE Deep Impact Socket Set

- ▶ 21 pcs 3/4" Dr. metric deep impact socket (669524 ~ 669564)
- 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2"

19.5 Kg 1 set / 20.5 Kgs / 0.91 CUFT



NEW

Air Files ø5mm

NEW

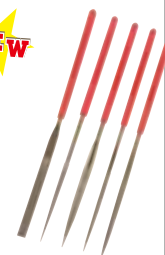
Item No.	Type	Length mm	Weight g	Pcs/Box
500861	Flat	140	20	50
500862	Round	140	17	50
500863	Half Round	140	17	50
500864	Square	140	17	50
500865	Triangle	140	17	50



Diamond Files ø4mm

NEW

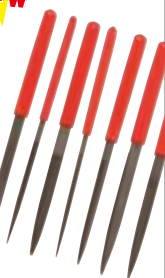
Item No.	Type	Length mm	Weight g	Pcs/Box
500781	Flat	200	20	50
500782	Round	200	20	50
500783	Half Round	200	20	50
500784	Square	200	20	50
500785	Triangle	200	20	50



Small Files

NEW

Item No.	Type	Length mm	Weight g	Pcs/Box
500681	Flat	200	45	20
500682	Round	200	30	20
500683	Half Round	200	45	20
500684	Square	200	30	20
500685	Triangle	200	40	20
500686	Trapezoid	200	45	20
500687	Warding	200	40	20



FL-0865

5 Piece Air File Set

NEW

- 5 pcs air files (500861 ~ 500865)

- flat
- round
- half round
- square
- triangle

95 g 180 sets / 18 Kgs / 0.92 CUFT



FL-0785

5 Piece Diamond File Set

NEW

- 5 pcs diamond files (500781 ~ 500785)

- flat
- round
- half round
- square
- triangle

100 g 240 sets / 27 Kgs / 1.6 CUFT



FL-0687

7 Piece Small File Set

NEW

- 7 pcs small files (500681 ~ 500687)

- flat
- round
- half round
- square
- triangle
- trapezoid
- warding

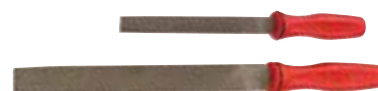
280 g 80 sets / 24.5 Kgs / 1.6 CUFT



Machinists Files (2nd. Cut)

Item No.	Type	Size	Length mm	Weight g	Q'ty	G.W.	Cuft
500106	Flat	6"	250	100	100	12.5	1.97
500108		8"	300	190	90	19.0	1.58
500110		10"	370	350	50	20.0	1.08
500112		12"	420	490	50	27.0	1.08

NEW



Item No.	Type	Size	Length mm	Weight g	Q'ty	G.W.	Cuft
500206	Round	6"	250	75	100	9.5	1.97
500208		8"	300	100	90	11.5	1.58
500210		10"	370	200	50	12.5	1.08
500212		12"	420	310	50	18.0	1.08

NEW



Item No.	Type	Size	Length mm	Weight g	Q'ty	G.W.	Cuft
500306	Half-Round	6"	250	100	100	12.0	1.97
500308		8"	300	170	90	17.3	1.58
500310		10"	370	290	50	17.0	1.08
500312		12"	420	450	50	25.0	1.08

NEW



Item No.	Type	Size	Length mm	Weight g	Q'ty	G.W.	Cuft
500406	Square	6"	250	80	100	10.0	1.97
500408		8"	300	120	90	12.8	1.58
500410		10"	370	240	50	14.5	1.08
500412		12"	420	310	50	18.0	1.08

NEW



Item No.	Type	Size	Length mm	Weight g	Q'ty	G.W.	Cuft
500506	Triangle	6"	250	95	100	11.5	1.97
500508		8"	300	140	90	15.0	1.58
500510		10"	370	260	50	15.5	1.08
500512		12"	420	390	50	22.0	1.08

NEW



• NEW GENIUS PRODUCTS •

Pliers w/ Double Color Soft Handle

NEW

Bent Nose Pliers

Item No.	Length mm(inch)	Weight g	Q'ty pcs	G.W. kgs	CUFT
550614S	150(6")	160	96	21.0	2.02
550814S	200(8")	270	60	19.5	2.00

NEW

Chain Nose Pliers With Cutter

Item No.	Length mm(inch)	Weight g	Q'ty pcs	G.W. kgs	CUFT
550604S	150(6")	160	96	21.0	2.33
550804S	200(8")	270	60	19.5	2.00

NEW

Side Cutter Pliers

Item No.	Length mm(inch)	Weight g	Q'ty pcs	G.W. kgs	CUFT
550612S	150(6")	250	60	19.5	1.41
550712S	180(7")	350	60	24.0	1.82
550812S	200(8")	470	48	25.0	1.64

NEW

Diagonal Cutting Pliers

Item No.	Length mm(inch)	Weight g	Q'ty pcs	G.W. kgs	CUFT
550607S	150(6")	250	96	23	2.23

NEW

Heavy Duty Diagonal Cutting Pliers

Item No.	Length mm(inch)	Weight g	Q'ty pcs	G.W. kgs	CUFT
550708S	180(7")	320	60	21	1.82
550808S	200(8")	350	48	20	1.64

Magnetic Fender Covers

Item No.	Size mm	Weight g	Q'ty pcs	G.W. kgs	CUFT
FC-086	800x600	670	30	22	1.90
FC-116	1050x580	920	20	17	1.85



FC-086



NEW

- Front cover made with PVC Sponge Leather, backing is TR/BRUSH which does not damage or scratch any surface
- Include strong magnets, which attract and stay on any metal surface easily
- Protect the car with our durable fender covers, it can be washable
- Resist most solvents

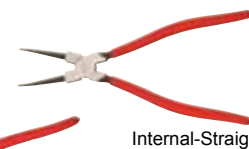
Forged Retaining Ring Pliers

NEW

Item No.	Type	Diameter Tip	Angle Tip	Length mm(inch)	Weight g
550550	External	1.3 mm	Straight	125(5")	100
550551	Internal	1.3 mm	Straight	125(5")	100
550552	External	1.3 mm	90°	125(5")	100
550553	Internal	1.3 mm	90°	125(5")	100
550750	External	1.8 mm	Straight	175(7")	150
550751	Internal	1.8 mm	Straight	175(7")	130
550752	External	1.8 mm	90°	165(6-1/2")	150
550753	Internal	1.8 mm	90°	165(6-1/2")	130
550950	External	2.0 mm	Straight	225(9")	340
550951	Internal	2.0 mm	Straight	225(9")	340
550952	External	2.0 mm	90°	225(9")	340
550953	Internal	2.0 mm	90°	225(9")	340
551250	External	2.5 mm	Straight	300 (12")	490
551251	Internal	2.5 mm	Straight	300 (12")	460
551252	External	2.5 mm	90°	300 (12")	500
551253	Internal	2.5 mm	90°	300 (12")	460



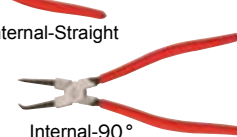
External-Straight



Internal-Straight



External-90°



Internal-90°

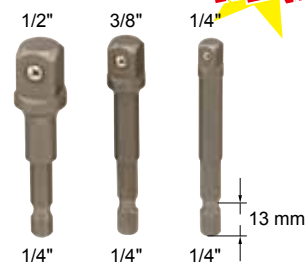
Spinner Handles (for Electric Drill)

Item No.	Square Drive	Hex Drive	Length mm	Weight g	Q'ty pcs	G.W. kgs	CUFT
27206P	1/4"	1/4"	65	20	600	13	0.3
27306P	3/8"	1/4"	65	25	480	14	0.3
27406P	1/2"	1/4"	65	45	240	12	0.3

BE-2343P

3 Piece Spinner Handle Set (for Electric Drill)

- 1 pc 1/4" Dr. spinner handle
- 1 pc 3/8" Dr. spinner handle
- 1 pc 1/2" Dr. spinner handle



100 g 180 sets / 20 Kgs / 1.21 CUFT

AT-B24

Flexible Magnetic Pick-Up Tool

- Length: 600 mm
- Pick-Up: 3.5 lbs.



180 g 100 pcs / 20 Kgs / 1.9 CUFT



Two-Jaw Gear Puller

Item No.	Size inch	Spread mm	weight g	Q'TY pcs	G.W. kgs	CUFT
KJ-2076	3"	40 ~ 76	440	50	25.0	1.20
KJ-2102	4"	50 ~ 102	760	30	25.0	1.13
KJ-2127	5"	55 ~ 127	1160	20	25.5	1.30
KJ-2152	6"	60 ~ 152	1840	12	24.0	1.35
KJ-2203	8"	80 ~ 203	3920	6	26.0	1.30
KJ-2254	10"	100 ~ 254	5740	4	25.0	1.40
KJ-2305	12"	120 ~ 305	8240	3	27.0	1.60

- Material: Chrome Vanadium



Three-Jaw Gear Puller

Item No.	Size inch	Spread mm	weight g	Q'TY pcs	G.W. kgs	CUFT
KJ-3076	3"	40 ~ 76	560	40	24.0	1.17
KJ-3102	4"	50 ~ 102	1040	24	27.0	1.14
KJ-3127	5"	55 ~ 127	1620	15	26.5	1.43
KJ-3152	6"	60 ~ 152	2560	10	27.0	1.23
KJ-3203	8"	80 ~ 203	5480	4	24.0	1.25
KJ-3254	10"	100 ~ 254	7880	2	17.0	1.20
KJ-3305	12"	120 ~ 305	10840	2	24.0	1.90

- Material: Chrome Vanadium



Two-Arm Gear Puller

Item No.	Size mm	Spread mm	weight g	Q'TY pcs	G.W. kgs	CUFT
KA-2080	80	30 ~ 80	1080	24	29	1.6
KA-2120	120	30 ~ 120	1160	24	31	1.6
KA-2160	160	40 ~ 160	2680	10	29	1.5
KA-2200	200	40 ~ 200	2880	10	31	1.8

- Material: Chrome Vanadium
- Suitable for fast removal of pulleys, wheels, ball bearings, etc.

SC-710

Scissor Action Industrial Riveter

- With 4 pcs nose pieces: 2.4mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32"), 4.8mm(3/16")
- With 40 pcs blind rivets: 2.4mm(*5), 3.2mm(*15), 4.0mm(*15), 4.8mm(*5)

2000 g 10 pcs / 21 Kgs / 1.2 CUFT

- Suitable for construction and industrial applications
- Stretching design is suitable for use in difficult accessing area and gives large riveting force
- Made of durable high carbon steel

SC-714

Industrial Lever Riveter

- With 4 pcs nose pieces: 3.2mm(1/8"), 4.0mm(5/32"), 4.8mm(3/16"), 6.4mm(1/4")
- With 40 pcs blind rivets: 3.2mm(*10), 4.0mm(*10), 4.8mm(*10), 6.4mm(*10)

1400 g 10 pcs / 15 Kgs / 1.3 CUFT

- Suitable for construction and industrial applications
- Gives large riveting force
- Aluminum body, steel tube with rubber handle

SC-736

Free Section Hand Riveter

- With 4 pcs nose pieces: 2.4mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32"), 4.8mm(3/16")
- With 40 pcs blind rivets: 2.4mm(*5), 3.2mm(*15), 4.0mm(*15), 4.8mm(*5)

750 g 24 pcs / 19 Kgs / 1.42 CUFT

- Suitable for construction and industrial applications
- Head rotates 360° for any angle riveting

SC-715

Heavy Duty Hand Riveter Suitable For Stainless Steel Riveter

- With 4 pcs nose pieces: 2.4mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32"), 4.8mm(3/16")
- With 40 pcs blind rivets: 2.4mm(*5), 3.2mm(*15), 4.0mm(*15), 4.8mm(*5)

750 g 24 pcs / 19 Kgs / 1.42 CUFT

- Suitable for stainless steel riveter
- Chrome Molybdenum jaws, aluminum body and drop-forged handle

SC-GS701

Heavy Duty Hand Riveter

- With 4 pcs nose pieces: 2.4mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32"), 4.8mm(3/16")
- With 40 pcs blind rivets: 2.4mm(*5), 3.2mm(*15), 4.0mm(*15), 4.8mm(*5)

580 g 24 pcs / 15 Kgs / 1.1 CUFT

- Suitable for stainless steel riveter
- Chrome Molybdenum jaws, aluminum body and drop-forged handle

SC-758A

Heavy Duty Hand Nut Riveter

- With 4 pcs nose pieces: M3, M4, M5, M6
- With 40 pcs nut rivets: M3(*10), M4(*10), M5(*10), M6(*10)

800 g 24 pcs / 20.5 Kgs / 1.45 CUFT

- Aluminum body and drop-forged handle

10 Piece Torque Handle Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
TO-210N30	6 ~ 30 Nm	9x12	1650	10	17	1.39
TO-210F25	50 ~ 250 in. lb.	9x12	1650	10	17	1.39

- ▶ 1 pc interchangeable torque handle
- 1 pc 1/4" Dr. ratchet head 9 x 12
- 8 pcs open ended heads 9 x 12: 7, 8, 9, 10, 11, 12, 13, 14 mm

8 Piece Torque Handle Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
TO-408N80	15 ~ 80 Nm	14x18	3350	6	20.6	1.30
TO-408F60	10 ~ 60 ft. lb.	14x18	3350	6	20.6	1.30

- ▶ 1 pc interchangeable torque handle
- 1 pc 1/2" Dr. ratchet head 14 x 18
- 6 pcs open ended heads 14 x 18: 17, 22, 24, 26, 27, 29 mm

12 Piece Torque Handle Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
TO-312N11	19 ~ 110 Nm	9x12	2240	10	23	0.86
TO-312F80	15 ~ 80 ft. lb.	9x12	2240	10	23	0.86

- ▶ 1 pc interchangeable torque handle
- 1 pc 3/8" Dr. ratchet head 9 x 12
- 10 pcs open ended heads 9 x 12: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

11 Piece Torque Handle Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
TO-411N21	40 ~ 210 Nm	14x18	4380	4	18.1	0.86
TO-411F15	30 ~ 150 ft.lb.	14x18	4380	4	18.1	0.86

- ▶ 1 pc interchangeable torque handle
- 1 pc 1/2" Dr. ratchet head 14 x 18
- 9 pcs open ended heads 14 x 18: 13, 14, 15, 17, 19, 22, 24, 27, 30 mm

8 Piece Torque Handle Hook Head Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
TO-148N21	40 ~ 210 Nm	14x18	4000	4	18.1	0.86
TO-148F15	30 ~ 150 ft.lb.	14x18	4000	4	18.1	0.86

- ▶ 1 pc interchangeable torque handle
- 7 pcs hook heads 14 x 18: No. 14H012, 14H016, 14H025, 14H032, 14H075, 14H100, 14H150

3 Piece Digital Interchangeable Torque Wrench Set



Item No.	Torque Handle Range	mm	Weight g	Q'ty pcs	G.W. Kgs	Cuft
1434N10	10 ~ 100 Nm	14x18	2000	6	13.0	0.92
1434N20	20 ~ 200 Nm	14x18	2250	6	14.5	0.92

- ▶ 1 pc interchangeable torque handle
- 2 pcs 3/8" & 1/2" quick release ratchet head
 - Accuracy: ±1%
 - Memory: 10 readings
 - Unit selection: Nm, ft.lb., in.lb., kg-m
 - Battery: 1.5V AA Battery x 3 (Do not use low self-discharge battery)
 - Operating temperature: -15°C ~ 55°C
 - Storage temperature: -40°C ~ 85°C
 - Humidity: 0 ~ 90%

Torque Handle Fittings Open Ended Head



Item No.	Size mm	mm	Length mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
091207	7	9x12	37	35	180	8.0	0.3
091208	8	9x12	37	35	180	8.0	0.3
091209	9	9x12	37	35	180	8.0	0.3
091210	10	9x12	38	40	120	8.0	0.3
091211	11	9x12	38	40	120	8.0	0.3
091212	12	9x12	39	45	120	6.5	0.3
091213	13	9x12	42	50	120	7.0	0.3
091214	14	9x12	42	55	120	8.0	0.3
091215	15	9x12	43	55	120	8.0	0.3
091216	16	9x12	44	65	96	7.5	0.3
091217	17	9x12	44	65	96	7.5	0.3
091218	18	9x12	44	75	96	8.0	0.3
091219	19	9x12	46	75	96	8.0	0.3

Item No.	Size mm	mm	Length mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
141813	13	14x18	62	140	84	13.5	0.44
141814	14	14x18	63	150	84	14.0	0.44
141815	15	14x18	64	150	84	14.0	0.44
141816	16	14x18	64	170	84	15.5	0.44
141817	17	14x18	64	170	84	15.5	0.44
141818	18	14x18	65	190	70	14.5	0.44
141819	19	14x18	65	190	70	14.5	0.44
141821	21	14x18	66	210	70	16.0	0.44
141822	22	14x18	66	220	70	16.5	0.44
141824	24	14x18	67	220	70	17.0	0.44
141826	26	14x18	70	270	60	17.5	0.52
141827	27	14x18	70	280	60	18.0	0.52
141829	29	14x18	74	310	30	10.5	0.45
141830	30	14x18	74	310	30	10.5	0.45
141832	32	14x18	76	320	30	11.0	0.45

A range of metric and imperial open ended fittings are available for GENIUS torque handles, both the 7 mm - 32 mm spigot versions.

Torque Handle Fittings Hook Head



Item No.	mm	Clamping Range mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
14H012	14x18	32±5	210	36	8.5	0.41
14H016	14x18	43±5	260	36	10.5	0.34
14H025	14x18	60±5	260	36	10.5	0.34
14H032	14x18	72±5	290	36	11.5	0.34
14H075	14x18	50±5	250	36	10.0	0.34
14H100	14x18	63±5	260	36	10.5	0.34
14H150	14x18	82±5	290	36	11.5	0.34

Torque Handle Fittings Collet Head



Item No.	mm	Clamping Range mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
14CH16	14x18	32±5	210	60	14.0	0.41
14CH20	14x18	35±5	230	60	15.5	0.62
14CH25	14x18	42±5	240	48	13.0	0.44
14CH32	14x18	50±5	260	48	14.0	0.44
14CH40	14x18	63±5	310	36	12.0	0.41

Torque Handle Fittings Quick Release Ratchet Head



Item No.	inch	mm	Length mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
14DT38	3/8"	14x18	78	210	60	13.5	0.34
14DT48	1/2"	14x18	94	410	30	13.5	0.34

Torque Handle Fittings Ratchet Head



Item No.	inch	mm	Length mm	Weight g	Q'ty pcs	G.W. kgs	Cuft
09RH20	1/4"	9x12	56	85	120	11.0	0.30
09RH33	3/8"	9x12	56	90	120	11.5	0.30
09RH30	3/8"	9x12	69	170	60	11.5	0.34
14RH30	3/8"	14x18	78	210	60	13.5	0.34
09RH44	1/2"	9x12	69	180	60	12.0	0.34
14RH44	1/2"	14x18	78	220	60	14.0	0.34
14RH40	1/2"	14x18	94	410	30	13.5	0.34

Various sizes and styles of ratchet heads are available for GENIUS torque handles, both the 1/4" - 1/2" spigot versions.

SurFix AutoLock

Unique Advantages:

- ▶ Magnetic & AutoLock
- ▶ Perfect for C6.3 & E6.3 type bits and even works with nonstandard notch bits

Operation:



Push In Bit To Lock

- ▶ One-touch autolock
- ▶ Easy for operation & saving times



Pull Out Black Ring To Release Bit

- ▶ The bits won't release when touching the ring on operation

E Type



Without Tolerance

C Type



Never Slip

Nonstandard Notch



Grips On Surface

YAV00552

1/4" Hex Shank 60 mm SurFix Autolock Bit Holder

- ▶ Sliding card

50 g 400 pcs / 22 Kgs / 1.7 CUFT



YAV00663

1/4" Hex Shank 75 mm SurFix Autolock Bit Holder

- ▶ Blister card

60 g 400 pcs / 23 Kgs / 1.7 CUFT



YAV00955

45 Piece 1/4" Hex Shank SurFix Bit Holder Set

- ▶ 1 pc 75 mm SurFix bit holder
- ▶ 44 pcs 25 mm bits :
 - ⊕: (#1, #2) x 2, #3
 - ⊗: (#1, #2) x 2, #3
 - ⊙: (T10, T15, T20, T27) x 2, T25, T30, T40
 - ⊖: (3, 4.5, 7 mm) x 2
 - ⊙: S1, S2, S3
 - ⊙: M5, M6, M8
 - ⊙: (H2, H3) x 2, H2.5, H4, H5, H6
 - ⊙: C1, C2, C3
- ▶ Plastic box

400 g 48 sets / 20 Kgs / 2.2 CUFT

- Autolock function
- Bits won't fall out ; convenient for use



YAV14143

1/4" Dr. Socket Coupler

- ▶ 1/4" Dr. x 1/4" Hex
- ▶ Plastic box

40 g 200 pcs / 9.5 Kgs / 0.75 CUFT



YAV38143

3/8" Dr. Socket Coupler

- ▶ 3/8" Dr. x 1/4" Hex
- ▶ Plastic box

60 g 200 pcs / 13.5 Kgs / 0.75 CUFT



YAV12103

1/2" Dr. Socket Coupler

- ▶ 1/2" Dr. x 10 mm Hex
- ▶ Plastic box

60 g 200 pcs / 13 Kgs / 0.75 CUFT



YAV385163

3/8" Dr. Socket Coupler

- ▶ 3/8" Dr. x 5/16" Hex
- ▶ Plastic box

70 g 200 pcs / 16.5 Kgs / 0.64 CUFT



YAV125163

1/2" Dr. Socket Coupler

- ▶ 1/2" Dr. x 5/16" Hex
- ▶ Plastic box

90 g 200 pcs / 19.5 Kgs / 0.7 CUFT



YAV125164

1/2" Dr. Impact Socket Coupler

- ▶ 1/2" Dr. x 5/16" Hex
- ▶ Plastic box

120 g 200 pcs / 25.5 Kgs / 0.7 CUFT



YAV12104

1/2" Dr. Impact Socket Coupler

- ▶ 1/2" Dr. x 10 mm Hex
- ▶ Plastic box

140 g 150 pcs / 22.5 Kgs / 0.7 CUFT



YAV385164

3/8" Dr. Impact Socket Coupler

- ▶ 3/8" Dr. x 5/16" Hex
- ▶ Plastic box

140 g 100 pcs / 15 Kgs / 0.5 CUFT



YAV38104

3/8" Dr. Impact Socket Coupler

- ▶ 3/8" Dr. x 10 mm Hex
- ▶ Plastic box

130 g 100 pcs / 14 Kgs / 0.5 CUFT



YAV59053 1/4" Hex Shank SurFix ExtenRatch

- ▶ Double blister card

230 g 48 pcs / 12 Kgs / 1.1 CUFT



6 retractable increments for different application



Quick-release of button lock mechanism for adjustable length with ease



Retractable

YAV69053 1/4" Hex Shank SurFix Torque ExtenRatch

- ▶ Double blister card

250 g 48 pcs / 13 Kgs / 1.1 CUFT



6 retractable increments for different application



2 pairs of rigid ratchet parts offer powerful warranty torque than socket wrench (30 teeth gear)



Quick-release of button lock mechanism for adjustable length with ease

Elegant turning cap for clockwise, neutral and counterclockwise function



Retractable

YAV19053 1/4" Hex Shank Super Torque Flexible Ratchet

- ▶ Double blister card

250 g 48 pcs / 13 Kgs / 1 CUFT



Elegant turning cap for clockwise, neutral and counterclockwise function



2 pairs of rigid ratchet parts offer powerful warranty torque than socket wrench (30 teeth gear)



Unique swivel joint and snap lock mechanism suitable for multi-angle application



YAV002003 8 Piece 1/4" Hex Shank NARO Ratchet Driver Bit Set

- ▶ 1 pc 1/4" hex shank NARO driver
7 pcs 25 mm bits w/ capsule:
⊕: #1, #2, #3
⊖: 4.5, 7 mm
●: T15, T20

- ▶ Sliding card

110 g 200 sets / 22.5 Kgs / 1.8 CUFT

- The working height is just the height of bits
- Easy to get into narrow and hard reachable



YAV00255 17 Piece 1/4" Hex Shank NARO Driver Bit Set

- ▶ 1 pc 1/4" hex shank NARO driver
1 pc 60 mm SurFix bit holder
15 pcs 25 mm Bits:
●: T10, T15, T20, T25, T27, T30
⊕: #1, #2, #3
⊖: #1, #2, #3
⊖: 3, 4.5, 7 mm

- ▶ Aluminum case + color sleeve

290 g 48 sets / 15 Kgs / 1.5 CUFT

- Autolock function
- NARO: Get into hard reachable place easily



YAV69162 23 Piece 1/4" Hex Shank SurFix Torque ExtenRatchet Bit Set

- ▶ 1/4" hex shank torque extenratchet driver
1 pc 25mm socket adapter
14 pcs 25 mm bits w/capsule:
⊕: #1, #2, #3
⊖: #1, #2, #3
⊖: 3, 4.5, 7 mm
●: 2, 3, 4, 5, 6 mm
7 pcs CR-V sockets w/capsule: 6, 7, 8, 9, 10, 11, 13 mm

- ▶ Sliding card

580 g 36 sets / 22 Kgs / 1.9 CUFT

- Autolock function
- Elegant turning cap for clockwise, neutral and counterclockwise function
- 2 pairs of rigid ratchet parts offer powerful warranty torque than socket wrench
- 6 retractable increments for different application



YAV69266 14 Piece 1/4" Hex Shank SurFix Torque ExtenRatch Bit Set

- ▶ 1 pc 1/4" hex shank torque extenratchet driver
1 pc 1/4" hex shank NARO driver
12 pcs 25 mm bits w/capsule:
⊕: #1, #2, #2, #3
⊖: #1, #2, #2, #3
⊖: T15, T20
●: 4.5, 7 mm

- ▶ Double blister card

470 g 48 sets / 23.5 Kgs / 2.42 CUFT

- Autolock function
- Elegant turning cap for clockwise, neutral and counterclockwise function
- 2 pairs of rigid ratchet parts offer powerful warranty torque than socket wrench
- 6 retractable increments for different application



• AUTOLOCK SERIES •

12" Multi-Wrench Hercules

Item No.	Length inch (mm)	Maximum Jaw Opening Not Less Than (mm)	Std. Torque (kgf-cm)	Std. Torque (Ratchet) (kgf-cm)
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YFH12H	12" (300)	44.5 mm	11500	4200
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850 g 16 pcs / 22.3 Kgs / 1.08 CUFT

- Material: Chrome Vanadium
- Surface Finish: wrench – Chrome plated
adapter & holder – phosphate
- Jaw capacity: wider than 1- 3/4"
- Sliding jaw w/ stop and serrated; fix jaw w/ serrated
- Adapter: 1/2" square on top with ball &
7/8" hex w/o machining hole
- Laser etched metric scale on the front side head and
SAE in reverse and arrow in the handle end

THE LIGHT AND COMPACT PROFESSIONAL TOOL FEATURES THE FUNCTIONALITY OF FIVE TOOLS IN ONE

1. ADJUSTABLE WRENCH

Sturdy 12" (300 mm) adjustable wrench with jaw opening to exceed 1-3/4" (45 mm) enabling the user to cover a larger range of applications. Tips of jaws are tapered to fit into confined areas. Laser etched SAE and MM rule on wrench head for easy fastener identification.

2. PIPE WRENCH

Precision aligned induction hardened gripping teeth on both jaws prevents slipping.

3. HAMMER

Precision balanced 115° striking head is critical for driving spikes and pins.

4. RATCHETING BOX END

7/8" ratcheting hex box end can be used with hex drive sockets or special applications requiring drive through feature of large hole sockets.

5. RATCHETING 1/2" DRIVE

With the used of an adapter available in regular or quick release the tool becomes an ordinary ratchet for use with 1/2" drive sockets.



• ADJUSTABLE WRENCHES •

AP Series Adjustable Wrench

Item No.	Length inch (mm)	Jaw Opening mm	Weight g
YAP04GC	4" (100)	17.0	60
YAP06GC	6" (150)	23.9	140
YAP08GC	8" (200)	28.6	250
YAP10GC	10" (250)	32.8	440
YAP12GC	12" (300)	38.1	700
YAP15GC	15" (375)	50.0	1250
YAP18GC	18" (450)	60.0	1870
YAP24GC	24" (600)	70.0	3330



normal



Fulco

Non-Protruding on the movable jaw end. This allows a greater ease of use in tight spaces.



- Material: Chrome Vanadium
- Chrome finish & grinding head type
- Perfectly matched knurl and teeth of jaw for smooth running
- Wider jaw opening (up to 18~25% wider) increases useful range of fastener sizes



15°

- A smaller angle (15°) wrench aligns the wrench with the nut in a manner that offers speed, precision, ergonomic comfort and provides greater leverage distance thus reducing hand & arm fatigue.

Tiger's Paw adjustable wrench

Item No.	Length inch (mm)	Jaw Opening mm	Weight g
YFP04M	4" (100)	17.0	70
YFP06M	6" (150)	23.9	120
YFP08M	8" (200)	28.6	240
YFP10M	10" (250)	32.8	410
YFP12M	12" (300)	38.1	600
YFP15M	15" (375)	51.0	1160



Normal



Fulco
As perfect as original

The unique functioning jaw design precisely grips the flat facets of the fastener while avoiding and protecting the corners of the nuts.



- Material: Chrome Vanadium
- Type: 22.5°, screw pin w/front side metric scale
- Hardness: HRC 40~50 of handle and jaw



- 18% to 25% wider jaw opening increases useful range of fastener sizes and gives the advantages of economy, convenience and lighter weight (fatigue factor).

Silver Wing Series Adjustable Wrench

Item No.	Length inch (mm)	Jaw Opening mm	Load Bending Test Minimum cm-kgf	Weight g
YSW06C	6" (150)	20	1674	120
YSW08C	8" (200)	24	3061	140



- Material : Chrome Vanadium
- Type : 22.5°, screw pin w/front side metric scale
- Perfectly matched knurl and teeth of jaw for smooth running
- TPR handle w/end hole button offer security in use
- Over standard jaw opening

• ADJUSTABLE WRENCHES •

XOR714

8 Piece Universal Valve-Spring Compressor Tool Set

1800 g 10 sets / 19 Kgs / 1.8 CUFT

- Suitable for the replacement of valve spring and valve stem oil seals without the need to remove the cylinder head

Application: Opel, BMW, Seat, VW, Audi, Hyundai, Toyota, Ford 16V, Renault 19 and Clio



XOR715

20 Piece Crank Seal Remover / Installer Set

1800 g 10 sets / 19 Kgs / 1.8 CUFT

Allows the crank seal to be replaced without dismantling the crank case saving your time and costs. Do not worry about scraping the crank surface.

- Universal use covering a wide range of cars with oil seals between 27 mm and 58 mm in diameter
- Use the existing bolt in the vehicle for installation screw-type adapter to fit the centering
- The blue seal adapters are made of aluminum to prevent the damage of crank

Note

Some cam seals have screws to prevent remove
Do not attempt to use this tool by force



INSTALL

REMOVE

XOR706D

19 Piece Multi-Purpose Hydraulic Gear Puller Set

- 1 pc hydraulic ram (S45C ϕ 37.7 mm x L168 mm x 1" 16 teeth)
- 1 pc combination cross head (carbon Steel)
- 3 pcs combination leg (SCM440 drop forged hardened 45° - 47°)
- 6 pcs steel plate
- 1 pc extension rod (1" X 1-1/4" carbon steel)
- 1 pc extension rod (1" x 2" carbon steel)
- 6 pcs screw nut & washer
- Capacity: 12 tons

4800 g 5 sets / 25 Kgs / 1.2 CUFT

- Special safety device design to ensure workers operation



XOR716

8 Piece Engine Calibration And Set-Up Set

1500 g 10 sets / 16 Kgs / 1.5 CUFT

A.B TDC Indicators

- The sliding indicator to display the piston movement
- 1 mm graduation marks to 50 mm
- Extended model 10.5"
- Only can use on Hemi-Type engines
- Manual use only and make sure the ignition is turned off before use

C.D. Compression Whistle Alert

- Use on the Hemi-Type engines
- Easily find the TDC compression stroke
- Just listen on the whistle alert

E. Adapter 12 mm spark plug hole

F. Adapter 18 mm spark plug hole

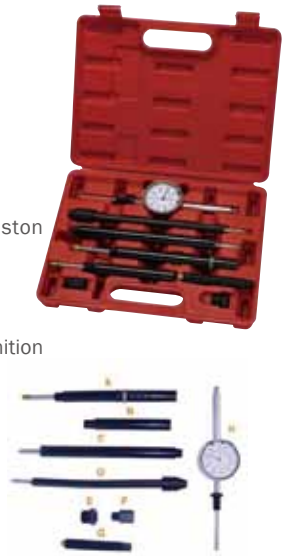
G. Crank stop tool

- Ignition is turned off
- Manual use only
- Make sure the valves are not open before use

H. Gauge Indicated

- Give you unmistakably clear result to display piston movement

Function: The tool is used to remove balance pulley or to set up timing alignment



XOR706C

22 Piece Multi-Hydraulic Gear Puller Set

- 1 pc hydraulic ram S45C ϕ 37.7mm X L168 mm X 16T
- 3 pcs 4" leg hardened 45°-48° SCM440
- 3 pcs 6" leg hardened 45°-48° SCM440
- 3 pcs 8" leg hardened 45°-48° SCM440
- 1 pc twin head
- 1 pc tripple head
- 1 pc center adapter carbon steel
- 1 pc extension rod 1" X 2" carbon steel
- 1 pc extension rod 1" X 4" carbon steel
- 1 set bearing separator & bolts S45C drop forged hardened 42°-45° capacity: 75 mm ~ 105 mm bolt 5/8" x 18t S45C
- 2 pcs main rod 8" X 13T carbon steel
- 2 pcs main rod 8" X 13T carbon steel
- 1 pc beam carbon steel
- 1 pc nut ram part S45C hardened 42°-45°

17 Kgs 1 sets / 18 Kgs / 0.9 CUFT

- Special safety device design to ensure workers operation
- For Agriculture / Machine / Garage/ Industry Use
- A versatile set for removing gears, races bearings sprockets and pullers assemble up to different pullers/ separators



XOR706B

11 Piece Universal Hydraulic Gear Puller Set

- 1 pc hydraulic ram: S45C $\varnothing 37.7$ mm
- 1 pc ram extension rod: $\varnothing 1"$ X L50 mm S45C
- 1 pc adapter: S45C
- 1 pc forcing screw: S45C
- 1 pc striking handle: L8" S45C
- 1 pc hub puller socket: $\varnothing 37.7$ mm, L7"
- 5 pcs hub puller legs: S45C

9000 g 2 sets / 19 Kgs / 1 CUFT

- Special safety device design to ensure workers operation



XOR706E

8 Piece Hydraulic Gear & Bearing Separator Set

- 1 pc hydraulic ram (S45C $\varnothing 37.7$ mm x L168 mm x 1" 16 teeth)
- 1 set bearing separator & bolts S45C drop forged hardened 42° - 45° capacity size: 75 ~ 105 mm (Bolt 5/8" x 18nc x L 165 mm $\varnothing 16$ mm) S45C
- 2 pcs main rod (hex bar 19mm x L10" x 1/2" 13nc carbon steel)
- 1 pc beam (carbon steel)
- 2 pcs extension rod (hex bar 19mm x L10" x 1/2" 13nc carbon steel)

8000 g 3 sets / 25 Kgs / 1 CUFT

- Special safety device design to ensure workers operation



XOR709

12 Piece Combination Gear & Bearing Separator Set

- 1 set bearing separator & bolts S45C drop forged hardened 42° - 45° capacity range: 30 ~ 50 mm (Bolt $\varnothing 3/8"$ x L 120 mm x 24t S45C hardened 42° - 45°)
- 1 set bearing separator & bolts S45C drop forged hardened 42° - 45° capacity range: 50 ~ 75 mm (Bolt $\varnothing 1/2"$ x L 135 mm x 20t S45C hardened 42° - 45°)
- 4 pcs main rod hex bar 17 mm 3/8" x L125 mm x 16t
- 4 pcs extension rod Hex bar 14 mm 3/8" x L110 mm x 16t
- 1 pc centre bolt 5/8" x L175 mm x 18t/inch carbon steel
- 1 pc beam carbon steel

5000 g 5 sets / 26 Kgs / 1.2 CUFT



XOR709L

12 Piece Large Combination Gear & Bearing Separator Set

- Bearing separator & bolts: 75~105 mm / 105~150 mm
- Central bolt: 282 mm
- Beam: 64 x 210 mm
- Hex main rod: 19H x 170 mmL, hex 100 mm
- Hex extension rod: 19H x 252 mmL, hex 235 mm
- 19H x 120 mmL, hex 100 mm

9500 g 2 sets / 27 Kgs / 0.8 CUFT



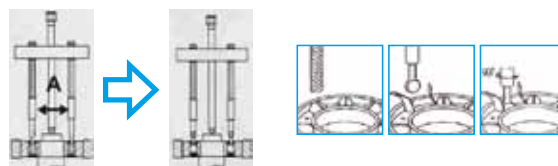
Bearing Separator Set



Item No.	Adjust Range (A) mm	Bearing Range	Jaw Size $\varnothing$ mm
XOR705	20~95	6004-6010 6201-6206 6300-6304	6 / 8 5.5 / 6 / 8 6 / 8
XOR705M	35~120	6207-6211 6305-6308 6403-6405	11 / 12.5 / 15 11 / 12.5 11 / 12.5 / 15
XOR705L	56~220	6021-6032 6212-6230 6309-6321 6406-6417	15 / 17.4 / 20 15 / 17.4 / 20 / 25.2 / 30 17.4 / 20 / 25.2 / 30 15 / 17.4 / 20 / 25.2 / 30 / 36.4

XOR705	850 g	20 sets / 19 Kgs / 1.5 CUFT
XOR705M	1830 g	12 sets / 23 Kgs / 1.3 CUFT
XOR705L	7650 g	3 sets / 24 Kgs / 1.0 CUFT

- This kit is different from other bearing separators.
- When obstruction is round external dia. and internal dia. of bearing, it can be used on the confined space to damage the protecting cover of bearing and easily remove bearings



XOR7052

13 Piece Unique Bearing Removal Set

- Adjust range: 35 ~ 120 mm
- Beam: 30 ~ 50 mm
- Legs: 30 ~ 90 mm

3400 g 5 sets / 18 Kgs / 1.2 CUFT

- Three-way operation allows use with traditional bearing separator, internal or external legs or bearing race separator. Bearing race separator application makes this kit ideal for use on "blind" mounted bearings where rear of bearing is not accessible



XOR711

6 Piece Universal Steering Knuckle Spreader Tool Set

920 g 12 sets / 12 Kgs / 1 CUFT

- This product is used to spread the steering knuckle to enable the removal and fitting of shock absorbers without the risk of damaging the aluminum or cast iron knuckle
- The tool is adjustable and suitable for steering knuckles with either a centralised slot or a non centralised slot
- Made of durable chrome-moly steel for added strength
- Therefore it can work on a wide range of vehicles including Audi / BMW / Citroën / VW Golf / Passat / Ford / Skoda / Seat / Renault / Peugeot / and many Japanese vehicles



XOR711L

11 Piece Multi-steering Knuckle Spreader Tool Set

1080 g 2 sets / 14 Kgs / 1 CUFT

- Spreads the steering knuckle. This enables the removal and refitting of the shock absorbers without the risk of damaging the aluminum or cast iron knuckle
- Fully adjustable and is suitable for steering knuckles with either a centralized or eccentric slot
- Wide range of vehicle applications



XOR603C

8 Piece 2-Way Hydraulic HGV Ball Joint Separator W/ Manual Screw Set

- Jaw opening: 70 mm
- Jaw width: 36 mm

7000 g 2 sets / 15 Kgs / 1 CUFT

- For Separating HGV Ball-joint. Strengthened fork and lever allow for greater force to be applied
- Specially designed to be operated manually or by 12 tons hydraulic ram
- Can be upgraded to hydraulic power:**
Hydraulic power from the XOR706 Series Patented Hydraulic ram which provides up to 12 tons of hydraulic pressure that enables the user to use max. power with mini effort



XOR603D

5 Piece 2-Way Hydraulic Ball Joint Separator Set

- Jaw opening: 30, 34, 40 mm
- Thrust screw lengths: 100, 80 mm
- Pivot rod length: 125 mm

9000 g 2 sets / 19 Kgs / 1 CUFT

- Specially designed to be operated manually or by 12 tons hydraulic ram
- Features a step down tread adapter that allows fitting of the manual thrust screw or 12 tons hydraulic ram supplied
- For splitting track-rod ends, anti-roll bar mounting and ball joint

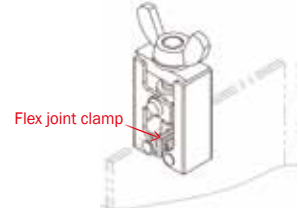


XOR721

4 Piece Micro Welding Clamp Set

300 g 48 sets / 16 Kgs / 1.3 CUFT

- A fast and effective method of fastening materials for pinch/spot welding
- Unique design generates huge clamping force
- Ideal for automotive applications and especially effective for positioning body panels prior to welding
- Apply to a small spaces, such as: truck edges, windows edges, door columns, hatchback, etc
- Adjustable thickness clamp from 0 to 7mm

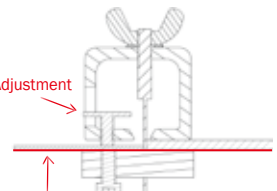
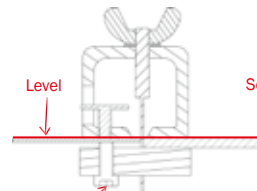


XOR722

4 Piece Butt Welding Clamp Set

385 g 48 sets / 20 Kgs / 1.8 CUFT

- A simple and efficient way of ensuring a perfect welded butt joint
- Holds panels edge to edge with almost no gap - allowing full penetration of the weld
- Patented level adjustment allows accurate joining of dissimilar thicknesses of materials
- Level adjustment allows flat alignment of top or bottom surface of panels
- Level adjusts between 0 and 3mm either side



Top Surface Alignment

Bottom Surface Alignment

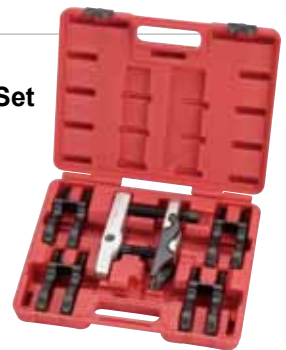
XOR603E

6 Piece Ball Joint Remover Set

- Jaw opening: 20, 22, 24, 27, 30mm
- Thrust screw length: 100mm
- Pivot rod length: 125mm
- Specification**
Fork 1 a=20mm b=55mm
Fork 2 a=22mm b=55mm
Fork 3 a=24mm b=55mm
Fork 4 a=27mm b=55mm
Fork 5 a=30mm b=55mm

6000 g 3 sets / 19 Kgs / 1 CUFT

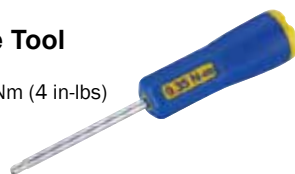
- Innovative quick change and simple action for suitable fork
- Enable operator to select correct jaw size without taking entire extractor to the vehicle
- Adjustable opening angle



XOR506A

Wheel Value Core Torque Tool

- ▶ Range: 0.3 Nm (3 in-lbs) / 0.45 Nm (4 in-lbs)
- ▶ Length: 150 mm



100 g 96 pcs / 11 Kgs / 1.2 CUFT

- Installs properly and removes valve cores
- Persistent fastening for quality control
- Audible click at achieved torque with automatic reset
- Helps prevent valve core leaks causing low tire pressure & TPMS alerts
- Preset torque with two-value display for in-lb and N.m.
- Air valve of wheel

XOR6043

2 Piece Heavy Duty Coil Spring Compressor Set

- ▶ Jaws capacity: 23 mm ~ 280 mm
- ▶ Length: 280 mm



3420 g 6 sets / 21.5 Kgs / 0.6 CUFT

- Hook engage spring which can be compressed by turning hex nut

XOR6043CU

3 Piece Heavy Duty Coil Spring Compressor W / Jaws & Holder Set

- ▶ Jaws capacity: 23 mm ~ 280 mm
- ▶ Length: 280 mm



4500 g 4 sets / 19 Kgs / 0.7 CUFT

- No need extra systematic jaw installation / removal
- High security coil spring compressor with 1200kg maximum capacity per pair
- Features adjustable safety bar for additional security and compressors have lower safety jaws for ultimate peace of mind
- Hook engage spring can be compressed by turning hex nut
- Use 19 mm hex socket or wrench

XOR706

2 Piece Patented Hydraulic Ram Set

- ▶ Capacity: 12 tons
- ▶ S45C, 37.7 mm X L168 mm X 1" 16 teeth



1290 g 12 sets / 17.5 Kgs / 0.6 CUFT

- Patented safety design for secure operation
- T-type hexagonal head for either hand or torque wrench usages (Not suitable for use with impact type wrenches)
- Maximum power with minimum effort

XOR604

2 Piece Long Coil Spring Compressor Set

- ▶ Length: 300 mm



1130 g 24 sets / 28 Kgs / 1.4 CUFT

- Speedy time saving tool for compression of "MacPherson Struts" springs
- For easy stripping during overhaul replacement

XOR6041A

2 Piece Spring Compressor Set

- ▶ Length: 300 mm



1670 g 12 sets / 21 Kgs / 1 CUFT

- Designed for work on regular or MacPherson Strut assemblies
- Its rugged construction and patented drop forged hooks design make strut spring removal safer and easier
- Suitable for use where space under wheel arch is limited

Bearing Separator



Item No.	Capacity				
XOR7201	20 ~ 40mm	200 g	30 pcs / 8 Kgs / 0.42 CUFT		
XOR7202	30 ~ 50mm	600 g	20 pcs / 14 Kgs / 0.30 CUFT		
XOR7203	50 ~ 75mm	1600 g	10 pcs / 16 Kgs / 0.41 CUFT		
XOR7204	75 ~ 105mm	2500 g	6 pcs / 16 Kgs / 0.30 CUFT		
XOR7205	105 ~ 150mm	5000 g	5 pcs / 26 Kgs / 0.50 CUFT		

XVOT110 Ball Joint Separator

- ▶ Jaw open: 19 mm
Max. opening: 38 mm

820 g 25 pcs / 21.5 Kgs / 0.5 CUFT

- Heat treated drop forged steel body & bolt for long rough usage
- Spread ball joints easily where space prevents use of direct action method



XVOT111 Casting Tie Rod End Lifter

- ▶ Jaw open: 19 mm
Max. opening: 38 mm

820 g 25 pcs / 21.5 Kgs / 0.5 CUFT

- Designed to speed up the removal of ball-joints on steering and suspension systems



XVOT115C 3 Piece Screw Type Ball Joint Puller Set

- ▶ Sizes : 23 (dia.) x 55 (L) mm
28 (dia.) x 55 (L) mm
34 (dia.) x 63 (L) mm

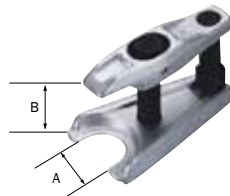
3000 g 6 sets / 19 Kgs / 1.3 CUFT

- Application :
For AUDI, BMW, FORD, CHRYSLER, OPEL, SAAB, VOLVO, VW, NISSAN, TOYOTA



XVOT116 Universal Ball Joint Extractor 22 mm

- ▶ A : 22 mm
Max.B : 62 mm



740 g 25 pcs / 19.5 Kgs / 0.6 CUFT

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc

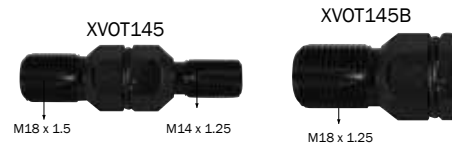
XVOT122 Ball Joint Separator 23 mm

520 g 25 pcs / 14 Kgs / 0.5 CUFT

- For splitting track-rod ends and ball joints



Spark Plug Hole Thread Chaser



Item No.	Size	Substense mm	Weight g
XVOT145	M14 x 1.25 & M18 x 1.5	21	150
XVOT145A	M18 x 1.5	21	100
XVOT145B	M14 x 1.25	22	90
XVOT145C	M18 x 1.5	22	120
XVOT145D	M12 x 1.25	22	85
XVOT145E	M12 x 1.25 & M10 x 1.0	21	100
XVOT145F	M14 x 1.25 & M12 x 1.25	21	110

- Start and remove carbon & dirt or straighten damaged threads in spark plug hole.
- Use with deep socket, open ends or boxes wrench.

XVOT201 6 Piece Front End Service Set



5250 g 4 sets / 22 Kgs / 1.6 CUFT

- This versatile set allows for easy removal of the most popular types of pitman arms, tie rods and ball joints
- Press type ball joint separator allows for ball joint removal without damage to boots and other parts that fork type removers may cause

XVOT202 13 Piece Slide Hammer Puller Set



7750 g 2 sets / 16.5 Kgs / 1.1 CUFT

- Slide hammer with multiple attachments including 2/3 jaw internal and external pullers, rear axle puller, locking plier adaptor, puller hook and dent puller
- Replacement part availability

XVOT202T 6 Piece Slide Hammer Puller Set



4500 g 4 sets / 19 Kgs / 2 CUFT

- Thread size of inner thread on sliding hammer is BSW 12G
- Thread size of inner thread of pulling foot is BSW 3/4"
- Total length with assembled pulling foot is approx. 51 cm
- Thread adaptor BSW 12 G x BSW 3/4" included

XVOT203

5 Piece Blind Hole Bearing Puller Set



- ▶ 1 pc slide hammer assemble
- 4 pcs clamps

3000 g 5 sets / 17.5 Kgs / 1.1 CUFT

- Attachments for 3/8" to 1/2" (10-14 mm), 9/16" to 11/16" (15-19 mm), 5/8" to 1" (18-25 mm) & 1" to 1-1/4" (25-32 mm) I.D. bearings' pulling
- Open clamps by turning handle clockwise to snug against the bearing for pulling out evenly without damage the parts

XVOT209

7 Piece Oxygen Sensor Wrench Set



- ▶ 1 pc 1/2" Dr. x 29 mm x 6 pt x 90 mm long
- 1 pc 3/8" Dr. x 7/8" x 6 pt x 90 mm long
- 1 pc 3/8" Dr. x 7/8" x 6 pt x 80 mm long
- 1 pc 1/2" Dr. x 7/8" x 50 mm long
- 1 pc 3/8" Dr. x 7/8" x 30 mm long
- 1 pc 1/2" Dr. x 27 mm x 12 pt x 78 mm long
- 1 pc 3/8" Dr. x 1" & 1-1/16" x 74 mm long

2000 g 12 sets / 25 Kgs / 1.3 CUFT

- For use on Lambda sensors (oxygen sensors) on most modern cars
- This tool covers a wide variety of options and fits most heated and non-heated sensors

XVOT209C

6 Piece Diesel Injection Socket Set



- ▶ 1 pc 1/2" Dr. x 27 mm x 12 pt x 78 mm long
- 1 pc 1/2" Dr. x 22 mm x 12 pt x 78 mm long
- 1 pc 1/2" Dr. x 22 mm x 6 pt x 110 mm long
- 1 pc 1/2" Dr. x 28 mm x 12 pt x 78 mm long
- 1 pc 1/2" Dr. x 21 mm x 12 pt x 90 mm long
- 1 pc 1/2" Dr. x 28 mm x 6 pt x 83 mm long

1750 g 12 sets / 22 Kgs / 1.3 CUFT

- Diesel injector socket set for Alfa Romeo, Audi, BMW, Chrysler, Ford, Mercedes, Peugeot, Rover, Seat, Vauxhall and Volvo
- Also Ford duratorq engines fitted to Ford Mondeo and Transit also included a new injector socket for Chrysler Voyager and V/M engines fitted to land rovers
- Manufactured from chrome molybdenum in black finish and packed in a Blow case

XVOT216

8 Piece Injector extractor Set



- ▶ Contents:
 - Slide hammer : 1.75 Kgs
 - Adaptor: M17 x 1.0
 - Adaptor: M27 x 1.0 for Bosch injector nozzle
 - Adaptor: puller w/M12 x 1.75P
- ▶ Total length: 350 mm
- ▶ Material: S45C steel

3580 g 6 sets / 22.5 Kgs / 1.5 CUFT

- This tool set is designed for the removal of stuck and seized injectors

XVOT246A

Valve Stem Seal Plier



390 g 40 pcs / 16.5 Kgs / 1.7 CUFT

- Long neck designed to reach into confined area of the seal to grip it for removal
- Gripping serration in the tip allow them to grasp both original equipment & aftermarket seals regardless of the configuration

XVAT502

Disc Brake Piston Separator



- ▶ 100 mm sliding bolt
- ▶ Spread jaw size: 115mm x 50mm x 6mm
- ▶ Material : hardened carbon steel jaws , black finished and nickel plated bolts

790 g 24 pcs / 20 Kgs / 1.8 CUFT

XVOT260A

10 Piece Bearing Race & Seal Driver Set



- ▶ Contains: driver handle with bolt
 - Size : 1.565" (39.8mm)
 - 1.750" (44.5mm)
 - 1.965" (49.9mm)
 - 2.325" (59.1mm) 2.830" (71.9mm)
 - 2.470" (62.7mm) 2.995" (76.1mm)
 - 2.555" (64.9mm) 3.180" (80.8mm)

1580 g 12 sets / 20 Kgs / 2 CUFT

- Insert tapered wheel bearing race and seals without damage to the component or axle housing
- 9 disc tool sizes fit most standard wheel bearings
- Tapered sides of disc tools install races, and flat sides install seals

XVOT266

Valve Spring Compressor (45-145mm)



2600 g 10 pcs / 27 Kgs / 1.2 CUFT

- Dual size in 25mm and 30mm diameter
- Capacity 45-145mm, throated clearance 250mm big window jaw adaptor for easy replacement of valve collects.
- Reversible jaw adaptor for multi-valve engines

XVOT262A

16 Piece Bearing Race & Seal Driver Set

- ▶ 13 pcs adaptors:
10 mm, 12 mm, 14 mm,
15 mm, 16 mm, 18 mm,
19 mm, 20 mm, 22 mm,
25 mm, 26 mm, 28 mm,
30 mm
- 3 pcs driver handle:
115 mm & 140 mm & 160 mm



1000 g 20 sets / 21 Kgs / 2.1 CUFT

- Quickly & easily inserts wheel bearing races & seals without damage to race & axle housing

XVAT505

18 Piece Radio Removal Tool Set



- ▶ 2 pcs radio removal U-hook (New Blaupunkt)
- 1 pc special pentagon wrench (BMW)
- 4 pcs radio removal keys (VW/Audi/Becker/Mercedes-Benz)
- 2 pcs radio removal keys (Mercedes-Benz/Porsche/Becker)
- 2 pcs radio removal keys (VW)
- 2 pcs radio removal keys (New Skoda)
- 2 pcs radio removal keys (New Becker)
- 2 pcs radio removal keys (Ford/VW/Audi/Grundig/Blaupunkt)
- 1 pc Allen hex wrench (BMW/Opel)
- ▶ Packing: pouch bag

180 g 100 sets / 19.3 Kgs / 1.4 CUFT

XVOT266B

Overhead Valve Spring Compressor



760 g 25 pcs / 20 Kgs / 1.7 CUFT

- For use on a wide range of OHV, OHC and CHV engines
- Not suitable for use on engines with deep seated valves
- Allow valve springs and valve stem oil seals to be replaced with the cylinder head
- Feature a reversible jaw/adaptor and automatic cam-action locking to a re-determined setting

XVOT278

3 Piece Diesel Engine Locking / Setting Kit-Pumpe Duse Set



- ▶ 1 pc injection pump locking pin
- 1 pc locking tensioner tool
- 1 pc crankshaft locking tool

240 g 80 sets / 20 Kgs / 2.3 CUFT

- Setting and locking kit for a range of VAG vehicles with Pumpe Duse TDI PD (1.9) and V6 engines

XVOT270

31 Piece Flow Meter Common Rail Adaptor Set



1500 g 5 sets / 8 Kgs / 2 CUFT

- The purpose of this instrument is to measure rapidly and effectively the amount of fuel that every injector returns to the deposit tank, so that you will know if any injector is damaged
- Features:
 - Direct measurement of return flow of the injector
 - Measurement of return flow using external flow meter
 - Possibility of simultaneous measurement of up to 6 injectors
 - Box for transportation and storage is included
 - Set included 24 pcs injector adaptors for BOSCH, SIEMENS, DENSO and DELPHI injector

XVAT501B

19 Piece Front Wheel Drive Bearing Set



- ▶ Drift sizes: 55.5, 59, 62, 65, 66, 71.5, 73, 76, 78, 84, 86, 91 mm
- Hub screws (3 pcs each): M12 x 1.5, M14 x 1.5 mm

8250 g 2 sets / 17.5 Kgs / 1 CUFT

- Up-to-date set for the installation and removal of front hub bearings without the need to dismantle the steering knuckle and strut assembly
- Fast and simple to use
- Suitable for most front wheel drive cars heavy-duty steel drifts with black phosphate finish for corrosion resistance
- May be used with impact wrench

XVOT161

Universal Ball Joint Puller



- ▶ Jaw open: 11mm

1150 g 20 pcs / 24 Kgs / 1.3 CUFT

- For removing the ball pivots on steering arms, steering tie rocks, steering knuckles, etc
- Suitable for cars

XVOT162

20mm Universal Ball Joint Puller



- ▶ Jaw open: 20mm

1000 g 20 pcs / 21 Kgs / 1.2 CUFT

- For removing the ball pivots on steering arms, steering tie rocks, steering knuckles, etc
- Suitable for trucks

XCJ200A

Small Tailpipe Expander

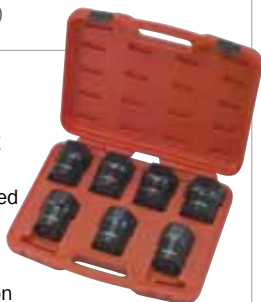


400 g 48 pcs / 19.6 Kgs / 0.8 CUFT

- Heavy-duty tools flare and expand tailpipes
- Features exist long hex bar
- Three sizes fit all automotive applications
- Compact 1-1/8" to 1-3/4" (29-44 mm)

XCJ1000

7 Piece 1/2" Dr. Wheel Bearing Locknut Sockets Set



- 1 pc 55 mm hex locknut socket designed for use on front wheel adjusting nuts found on Toyota EJ, LN, and AN models
- 1 pc 2-3/8" hex locknut socket works on 1984-92 Ford Rangers & Bronco II with automatic locking hubs
- 1 pc 2-1/2" hex locknut socket fits hex nut found on rear axles and various front axles application on light-duty trucks
- 1 pc 2-1/2" rounded hex locknut socket works on 1995-96 Ford F-150 trucks and full-sized Broncos with automatic locking hubs
- 1 pc 2-3/4" rounded hex locknut socket works on 3/4 and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs
- 1 pc 2-9/16" rounded hex locknut socket works on 1900-1993 Dodge trucks with Dana 60 manual hubs
- 1 pc 2-3/8" rounded hex locknut socket work on 990-newer Ford Bangers, Bronco Lis, and Explorers with utomatic locking hubs

5330 g 3 sets / 17 Kgs / 1.6 CUFT

XCJ480

4 Piece Scraper Set



- Sizes: 3/4", 7/8", 1", 1 1/2"
- Length: 10 - 3/4"

540 g 24 sets / 14 Kgs / 3.3 CUFT

- Works like a chisel
- Tough plastic handle can be hit with a hammer
- Resharpen when needed with a file

XCJ450

Key Chain Spark Plug Gauge Round Type



20 g 288 pcs / 6 Kgs / 0.5 CUFT

- This popular solid steel spark plug gauge is designed with a tapered edge for gauging spark plugs and with a flanged hole to adjust the side wire of plugs without pressuring center electrode
- Marked in standard and metric sizes
- Used to gap all plugs from 0.02" to 0.1" (0.5 to 2.53 mm)

XCJ810

Spark Gap Tester



100 g 144 pcs / 16 Kgs / 2.5 CUFT

- Provides instant diagnosis of ignition problems—whether a faulty coil, ignition wire or spark plug
- Plugs into coil to measure jump of spark from 0 to 40,000 volts
- Works hands-free and can be use as a troubleshooting tool for road tests

XAT515A

Fuel Line Quick Disconnect Tool



80 g 144 pcs / 13 Kgs / 2.4 CUFT

- Tools service most type of quick-disconnect fittings used on Ford, GM & Chrysler vehicles
- Ford/Chrysler/GM fuel line disconnect tool 5/16" & 3/8"

XAT515B

Spring Lock Coupler Tool



- couplings on most Fords
- Four separate sizes referenced A, B, C, D
A=3/4", B=5/8", C= 1/2", D= 3/8"

130 g 144 pcs / 19 Kgs / 2.4 CUFT

- Releases locking mechanism on all four sizes of spring lock couplings on most Fords

XCJ500

7 Piece A/C, Fuel Line Disconnect Set



- Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"

100 g 72 sets / 8.5 Kgs / 2.7 CUFT

- Includes seven tools for disconnecting spring couplings on Ford, GM, and Chrysler air conditioning lines
- Also works on fuel lines and can be used as push lock connectors on radiator and transmission lines

XAC20010

9 Piece A/C Spring Locking Coupling Tool Set



180 g 72 sets / 14 Kgs / 3.6 CUFT

- Release spring lock connector on air conditioning line
For separating spring lock air conditioning refrigerant pressure lines on 1981 current Ford cars and pick-ups with spring lock connection
There are four size: 3/8" (red), 1/2" (blue-black), 5/8" (black), 3/4" (white)
- All the disconnect tools you need to work with quick connect fuel lines on Ford, Chrysler, and GM, and on the spring lock fuel line couplings on Ford's popular port fuel injection system
Work on 5/16", 3/8", and 1/2" fuel lines
3/8" (yellow) & 1/2" (green): releases spring lock connectors on fuel line
5/16" (gray) & 3/8" (blue): releases quick connect fitting on fuel line
- Transmission cooler line and fuel line quick disconnect tool
Removes push lock connectors found at both the radiator and transmission

XF12150A

Large Valve Lapper



90 g 108 pcs / 11 Kgs / 2.6 CUFT

- For hand lapping valves
- Has 1-1/8" (29 mm) and 1-3/8" (35 mm) diameter cups for large valves

XF12150B

Valve Lapper



60 g 144 pcs / 9 Kgs / 2 CUFT

- For hand lapping valves
- Has 5/8" (16 mm) and 13/16" (21 mm) diameter cups for small valves

XF120036

6 Piece Deluxe Noid Set



280 g 36 sets / 11 Kgs / 2 CUFT

- The most economic way to check electronic fuel injection (EFI) signals
- Fast and easily checks for systems of GM TBI, Bosch PFI, Ford TBI, GM PFI, Geo TBI and GM SCPI just disconnect the fuel injector, plug the noid lite into injector, plug the noid lite into injector wiring harness then crank the engine

XF12004A

270 mm Exhaust And Tailpipe Cutter



360 g 36 pcs / 14 Kgs / 1.4 CUFT

- Use tool to cut pipes 3/4" to 3" (19 to 76 mm) in diameter
- Fifteen blades effectively cut pipe so only 1/4 turn is needed for a complete cut
- Patented, serviceable tool works in hard-to-reach areas
- It will not cut double-wall pipes
- Keep well oiled
- Not for use on stainless steel

XF12004B

340 mm Exhaust And Tailpipe Cutter



420 g 36 pcs / 16 Kgs / 1.6 CUFT

- Use tool to cut pipes 3/4" to 6" (19 to 152 mm) in diameter
- Fifteen blades effectively cut pipe so only 1/4 turn is needed for a complete cut
- Patented, serviceable tool works in hard-to-reach areas
- It will not cut double-wall pipes
- Keep well oiled
- Not for use on stainless steel

XF14700

9 Piece Heavy-Duty Body Pry Bar Set

- Sizes: 130, 140, 290, 320, 470, 490, 600, 740, 800 mm



10.5 kgs 2 sets / 22.5 Kgs / 1 CUFT

XF7685

Windshield Wiper Puller



130 g 72 pcs / 10 Kgs / 1.1 CUFT

- Removes wiper arms on many kinds of cars and light trucks
Will not damage wiper arm or hood cowl during removal
- Simply place puller feet under wiper arm and tighten forcing screw against wiper shaft

XFT705B13

13 Piece Universal Puller 3-Arm Set



6830 g 3 sets / 21.5 Kgs / 1.2 CUFT

- With pulling legs for narrow spaces in different lengths
Particularly well suited to be hung up on workshop walls
- All required clamping depths available at any time

XFT705BS

12 Piece Universal Puller 3-Arm Set



6670 g 3 sets / 21 Kgs / 1.2 CUFT

- With pulling legs for narrow spaces in different lengths
Particularly well suited to be hung up on workshop walls
- All required clamping depths available at any time

XFT825A

16 Piece Universal Windscreen Wiper Arm Puller Set

- 8 pcs grippers
 - 1 pc drive
 - 1 pc spindle-cap
 - 1 pc hollow-cap
 - 1 pc spindle-extension
 - 1 pc puller
- 2 pcs special-legs
- 1 pc slide hammer



3500 g 5 sets / 18.5 Kgs / 1.5 CUFT

- Cars: Audi, Alfa-Romeo, BMW, Chrysler-Jeep, Citroen, Chevrolet-Daewoo, Daihatsu, Fiat, Ford, Honda, Hyundai, Jaguar, KIA, Land Rover, Mazda, MG-Rover, MB, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Smart, Suzuki, Toyota, Volvo, VW
- Trucks: MAN, MB, Scania
- Patent: Europe, U.S.A, Taiwan

XFT295

Universal Wiper Arm Puller

- Adjustable, compact and light easy to use:
prevents damaging wiper arm
- Cross-piece special for wiper featuring a nozzle



200 g 72 pcs / 15 Kgs / 2.5 CUFT

XFT897B

Wishbone Lever Tool



5170 g 3 sets / 16.5 Kgs / 1.8 CUFT

- To push down the wishbone and other suspension parts during the disassembly of the drive shaft, during replacing the gaiter or exchange of the wheel bearing
- After loosening the ball joint the wishbone must in most cases be pushed down against the bush or stabilizer tension, in order to pull the joint from the support
- Pretty often here problems arise:
 - the joint wedges again in the cone, after it was pressed down only briefly with a tire lever
 - the ball joint or gaiter get damaged
 - the mechanic injures himself or damages suspension parts when the tire lever slips away
- With this lever tool the work can comfortably and surely be accomplished by one person



XFT207

15 Piece Brake Tool Set

- Brake line flare nut wrenches:** for screwed connections of brake lines at the front and rear axle
- Brake spring pliers:** for installing and removing the brake shoe recuperating spring on riveted brake linings
- Brake spring pliers:** for glued and riveted brake linings
- Screwdrivers with impact:** for brake disc fixing screws
- Screwdriver sockets:** for brake calliper screws
- Assembly tool:** for installing and removing fixing springs of the handle brake shoes on passenger cars with disc brakes
- Screwdriver socket with universal joint:** for calliper screws
- Special tool for brakes:** for installing and removing spring plates and the holding device of brake linings on drum brakes
- Brake calliper brush :** for the removal of brake dust and dirt from the brake calliper
- Brass brake calliper brush :** for cleaning aluminium brake callipers
- Assembly tool:** for installing and removing the draw spring of hand brake shoes
- Brake cable spring pliers:** for installing and removing hand brake cables of the drum brake
- Brake calliper file:** for the removal of brake dust, rust and dirt from the brake calliper



3000 g 5 sets / 16 Kgs / 1.5 CUFT

- For brake maintenance / repair
- With integrated flat scraper for removing crude residues

• AUTOMOTIVE TOOLS •

XFT508A

5 Piece Damper Pulley Puller Holder Wrench Set

- ▶ 13, 15, 16, 17, 19 mm

2250 g 8 sets / 19 Kgs / 1.6 CUFT



XFT518A

23 Piece System Release Tools Set

1760 g 10 sets / 18.6 Kgs / 2.6 CUFT

- For a damage-free releasing of e.g flat plug contacts
- Connection defects and corrosion can be repaired fast and easily
- Assortment with 23 parts for the universal application in the motor electric sector



XFT228B

CV Boot Band Plier

940 g 18 pcs / 17.5 Kgs / 1.35 CUFT

- For assembly of new stainless steel clamp-bands on drive-shafts where a torque setting is required
- The 3/8" torque wrench is ideal to provide the drive
- Application: VW-Audi, Ford, Opel/Vauxhall, etc



XFT618

Fuel Feed Pipe Plier

240 g 72 pcs / 18 Kgs / 0.94 CUFT

- Application: Opel/Vauxhall, Fiat, GM, VW, etc
- For undoing quick release connections on fuel feed pipe lines



XFT258A

22 mm Hex Straight Socket

- ▶ 6 x 12-point: 22 mm
- Length: 250 mm

440 g 36 pcs / 17 Kgs / 1.2 CUFT

- Application: VW, Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc



XFT258B

22 mm Hex Angled Socket

- ▶ 6 x 12-point: 22 mm
- Length: 250 mm

440 g 36 pcs / 17 Kgs / 1.2 CUFT

- Application: VW, Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc
- Angle bent at 30°



XFT428

4 Piece Spark Plug Puller Set

800 g 20 sets / 17 Kgs / 1.5 CUFT

- XFT428A for installing and removing ignition coils with power stage on VW Polo, Golf 1.4, 1.6L, Caddy 1.4L, Bora 1.4, 1.6L, Passat, Touran 1.6L, Phaeton, transporter T4
- XFT428B for removing and installing ignition coils with power stage of injection engines on 5 and 6 cyl. VW Golf, Bora, 4 and 5 cyl. VW Passat, 6 cyl. VW Sharan, Touareg, Phaeton
- XFT428C for removing and installing ignition coils with power stage of injection engines on VW 8 and 12 cyl
- XFT428D for removing and installing ignition coils with power stage of injection engines on VW 8 and 12 cyl



XF7700

5 Piece Front Coil Spring Compressor Set

- ▶ Maximum capacity: 5-1/2"(140mm) spring diameter
- ▶ Overall length: 13-3/8"(340mm)

6200 g 3 sets / 19 Kgs / 1.2 CUFT

- Suits: Mercedes Benz
- Models: W116, W123, W124, W126, W129, W140, W170, W201, W202, W210, GM, Opel, Peugeot, Rover, Saab, Volvo, VW T2, Ford Taurus, Hyundai, Mitsubishi Lada, Skoda, etc.
- Features extra strong Trapezoid thread on center screw
- Supplied in blow mold storage case



XD4010

60 mm Self Locking Pull Clamp

- ▶ 60 mm deep jaw self locking clamp
Capacity: 10 ton

3330 g 6 pcs / 21 Kgs / 0.6 CUFT



XD4011

100 mm Self Locking Pull Clamp

- ▶ 100 mm deep jaw self locking clamp
Capacity: 6 ton

4620 g 4 pcs / 19.5 Kgs / 0.6 CUFT



XD4031

100 mm Single Way Pull Clamp

- ▶ Capacity: 6 ton on straight way
Single-way pull operation
Serrate width: 100 mm

3250 g 4 pcs / 14 Kgs / 0.6 CUFT

- You can make straight angle pull with this clamp
- Replaceable hardened steel jaws come as standard



XD4032

Right Angle Clamp & Yoke

- ▶ Capacity: 6 ton on straight way,
3 ton on cross way
Two-way pull operation
Serrate width: 100 mm

4000 g 4 pcs / 17 Kgs / 0.6 CUFT

- You can make straight angle pull with this clamp
- Replaceable hardened steel jaws come as standard



XD4033

Single Way Pull Clamp

- ▶ Capacity: 6 ton on straight way
Single-way pull operation
Serrate width: 100mm

3250 g 4 pcs / 14 Kgs / 0.6 CUFT

- You can make straight angle pull with this clamp
- Replaceable hardened steel jaws come as standard



XD4034

Right Angle Clamp

- ▶ Capacity: 6 ton on straight way,
3 ton on straight way
Single-way pull operation
Serrate width: 100 mm

4000 g 4 pcs / 17 Kgs / 0.6 CUFT

- You can make straight angle pull with this clamp
- Replaceable hardened steel jaws come as standard



XD4035

Self Locking Pull Clamp

- ▶ 60 mm deep jaw self locking clamp
Capacity: 6 ton

3550 g 6 pcs / 22 Kgs / 0.7 CUFT



XD490

Big Mouth Clamp

- ▶ Capacity: 3 ton
Single-way pull operation
Same sizes for two jaws

2000 g 10 pcs / 21 Kgs / 0.98 CUFT



XD4101

Small Mouth Pull Clamp

- ▶ Capacity: 5 ton
Single-way pull operation

2000 g 12 pcs / 25 Kgs / 0.6 CUFT



XD4101N

Small Mouth Pull Clamp (Two-Ways)

- ▶ Capacity: 5 ton on the straight way,
2 ton on the cross way
Two-ways pull operation

2080 g 12 pcs / 26 Kgs / 0.61 CUFT



XD4102

Box Clamp

- ▶ Capacity: 3 ton
Single-way pull operation
Different sizes for two jaws

2200 g 10 pcs / 23 Kgs / 0.98 CUFT



XD4102N

Box Clamp (Two-Ways)

- ▶ Capacity: 3 ton on the straight way,
2 ton on the cross way
Two-ways pull operation
Different sizes for two jaws

2200 g 10 pcs / 23 Kgs / 0.98 CUFT



XD4103

Heavy Duty Pull Clamp

- ▶ Capacity: 5 ton
Single-way pull operation

3000 g 6 pcs / 19 Kgs / 0.6 CUFT



XD4104

Mini Clamp (Two-Ways)

- ▶ Capacity: 3 ton on the straight way,
2 ton on the cross way
Two-ways pull operation

830 g 12 pcs / 11 Kgs / 0.4 CUFT
■ Use in narrow space



XD4105

Long Nose Clamp

- ▶ Capacity: 2 ton
Single-way pull operation

1670 g 15 pcs / 26 Kgs / 0.7 CUFT
■ Use in narrow space



XD4106

Scissors Clamp

- ▶ Capacity: 3 ton
Single-way pull operation

3000 g 6 pcs / 19 Kgs / 0.8 CUFT



XD4107

6" C-Type Clamp

- ▶ Capacity: 5 ton
Multi ways pull operation
Body opening: 6"

4000 g 4 pcs / 17 Kgs / 0.85 CUFT



XD4108

3" C-Type Clamp

- ▶ Capacity: 5 ton
Multi ways pull operation
Body opening: 3"

3170 g 6 pcs / 20 Kgs / 0.85 CUFT



XD4201

Chain Joint

- ▶ Capacity: 6 ton

700 g 20 pcs / 15 Kgs / 0.6 CUFT
■ For using as chain shortner or chain connector
■ Use with 5/16" or 3/8" chain
■ Contact of two chain is always on a same level,
meaning no twisting of chain happens accordingly



XD4202

Chain Joint For Two Clamp

- ▶ Capacity: 6 ton
Use with 5/16" or 3/8" chain

530 g 30 pcs / 17 Kgs / 0.4 CUFT
■ For using in pulling two clamps



XD4203

Double Claw Hooks Chain Joint

- ▶ Capacity: 6 ton

1210 g 12 pcs / 15 Kgs / 0.55 CUFT
■ For using as chain shortner or chain connector.
■ Use with 5/16" or 3/8" chains
■ Contact of two chain is always on a same level,
meaning no twisting



XD4204

Double Grab Hooks Chain Joint

- ▶ Capacity: 6 ton

1210 g 12 pcs / 15 Kgs / 0.55 CUFT
■ For using as chain shortner or chain connector
■ Use with 5/16" or 3/8" chains
■ Useful as a fitting of two chains or a chain and a hook



XD4205

Claw and Grab Hook

- ▶ Capacity: 6 ton

730 g 20 pcs / 15.5 Kgs / 0.55 CUFT
■ For using as chain shortner or chain connector
■ Use with 5/16" or 3/8" chains
■ Useful as a fitting of two chains or chain and a hook



XD4207

Body Repair Plate Clamp

- ▶ Capacity: 5 ton
Single-way pull operation

2420 g 12 pcs / 30 Kgs / 0.6 CUFT
■ To fix the car plate when the damage is in the middle
instead of on the edge of the plate



XD4601

Wide Serrate Clamp

- ▶ Capacity: 5 ton
Single-way pull operation
Serrate width: 120 mm

📏 2920 g 📦 6 pcs / 18.5 Kgs / 0.61 CUFT

- The wide plate makes the clamp to be harder



XD4601N

Two-Way Wide Serrate Clamp

- ▶ Capacity: 5 ton
3 ton on the cross way
Two-way pull operation
Serrate width: 120 mm

📏 2920 g 📦 6 pcs / 18.5 Kgs / 0.61 CUFT

- The wide plate makes the clamp to be harder



XD4601NN

Multi-Way Wide Serrate Clamp

- ▶ Capacity: 5 ton on the straight way,
3 ton on the cross way,
3 ton on the multi way
Multi-way pull operation
Serrate width: 120 mm small space

📏 3000 g 📦 6 pcs / 19 Kgs / 0.6 CUFT

- The wide plate makes the clamp to be harder



XD4602

Wide Serrate Clamp Bar

- ▶ Capacity: 5 ton

📏 6200 g 📦 1 pc / 6.4 Kgs / 0.17 CUFT

- The clamps and hocks are adjustable to fit of kinds of place



XD0991

Mini Quarter Puller

📏 1420 g 📦 12 pcs / 18 Kgs / 1.7 CUFT

- Fit small openings
- Perfect for taillight openings and radiator supports

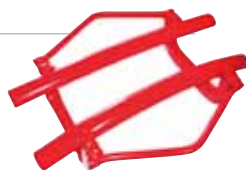


XD0992

Quarter Puller

📏 2000 g 📦 8 pcs / 17 Kgs / 1.3 CUFT

- Pull rear quarter and wheel well
- Hook the lip of the wheel opening
- Two curvatures (one on each side) will fit almost all cars
- Eliminate tearing on thin sheet metal



XD1789

Hammer With Shock Absorber

- ▶ Size of hammer head ø41mm
Length: 295 mm
Width: 114 mm

📏 470 g 📦 36 pcs / 18 Kgs / 1.67 CUFT

- The hammer is the work tool par excellence for sheet metal work
- It becomes the natural extension of your hand
- The hammer with a shock absorber that makes it possible to significantly reduce denting of the sheet during hammering
- The striking face has a special spiral knurling, which limits the lengthening of the sheet



XD2330

3 Piece Pneu Sheet Concave Sucker Set

📏 4250 g 📦 4 sets / 18 Kgs / 2.8 CUFT

- It makes the pneu sucking disk to suck the can cave sheet and restored by backward collar force for restoring the concave sheet into the original condition



XD1005

7 Piece Bumping Tool Set

- ▶ 7 pcs bumping tools

📏 6830 g 📦 3 sets / 21.5 Kgs / 1.7 CUFT



XD2310

Aperture Restraining Bar

📏 5000 g 📦 1 pc / 6 Kgs / 0.15 CUFT

- Manufactured with steel tube and heavy jaw assemblies
- Designed to triangulate and strengthen door apertures whilst performing pulling operations
- Supplied with tommy bar



XD2311

Long Aperture Restraining Bar

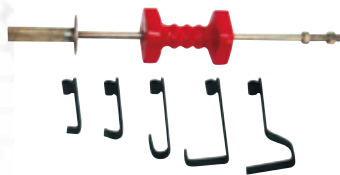
📏 6500 g 📦 1 pc / 7.5 Kgs / 0.24 CUFT

- Manufactured with steel tube and heavy jaw assemblies
- Designed to triangulate and strengthen door apertures whilst performing pulling operations
- Supplied with tommy bar



XD2320

6 Piece Extra Large Body Sheet Slide Hammer Set



9500 g 1 set / 10 Kgs / 0.33 CUFT

- The every attachment is made of steel plate and designed against the different angel & position available

XD4111

3 Piece Chain Fixing Base Set



4500 g 4 sets / 19 Kgs / 0.36 CUFT

- Suitable for: 5/16" or 3/8" chain
- Supplied with 2 pins

XD4112

3 Piece Ball Pivot Base Set



5000 g 4 sets / 21 Kgs / 0.53 CUFT

- Work with ball pivot
- Suitable for 5/16" or 3/8" chain
- Supplied with 2 pins

XD4113

Clamp Anchor Base

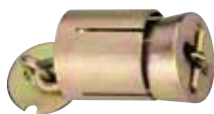


2100 g 10 pcs / 22 Kgs / 0.5 CUFT

- Working on the end of the cylinder
- Suitable for 5/16" or 3/8" chain

XD4119

Chain Pull Fixing Base



2120 g 8 pcs / 18 Kgs / 0.77 CUFT

- For using on the body repair working

XD4123

Multi-Hole Pull Plate



- Capacity: 6 ton

1300 g 12 pcs / 17 Kgs / 0.37 CUFT

- Bolts directly onto chassis
- Prevents chain marking

XD4122

2 Piece Door Post Puller Set



- Capacity: 2 ton

1000 g 20 sets / 21 Kgs / 1 CUFT

XD4124

Mac Pherson Strut Pulling



5750 g 4 pcs / 24 Kgs / 0.66 CUFT

- Clamps to strut tower and allows 360° alignment
- Top hook permits realignment of sunken tower assemblies
- Capacity: 10 ton

XD4125

Chain Handy Hook



1050 g 20 pcs / 22 Kgs / 0.54 CUFT

- Help to pull for body repair

XD1002

7 Piece Auto Body Repair Tool Set



- 4 pcs bumping tools
- 3 pcs hammers
- Dolly & hammer head material: medium carbon steel
- Handle: octagonal shape natural color hickory handle
- Head Polished: mirror polished

7500 g 4 sets / 31.5 Kgs / 2.36 CUFT

XD1039

7 Piece Body Pry Bars Set



11.5 Kgs 2 sets / 24 Kgs / 1.52 CUFT

- These pry bars are manufactured from special steel and are particularly suitable for:
 - 1.Dismantling stubborn components.
 - 2.Positioning components.
 - 3.Holding components in required position.
 - 4.Spreading clamp-fixtures, etc.

XD1040

9 Piece Body Pry Bars and Body Wedge Tool Set

- 5 pcs body pry bars
- 4 pcs body wedge tools

12 Kgs 2 sets / 25 Kgs / 1.52 CUFT

- These Pry Bars are manufactured from special steel and are particularly suitable for:
 1. Dismantling stubborn components.
 2. Positioning components.
 3. Holding components in required position.
 4. Spreading clamp-fixtures, etc.



XD1041

13 Piece Body Pry Bars and Body Wedge Tool Set

- 7 pcs body pry bars
- 6 pcs body wedge tools

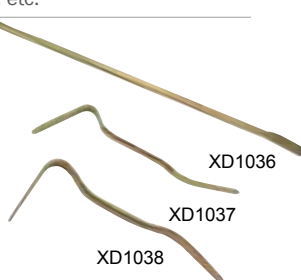
13 Kgs 2 sets / 27 Kgs / 1.52 CUFT

- These Pry Bars are manufactured from special steel and are particularly suitable for:
 1. Dismantling stubborn components.
 2. Positioning components.
 3. Holding components in required position.
 4. Spreading clamp-fixtures, etc.



Body Pry Bars

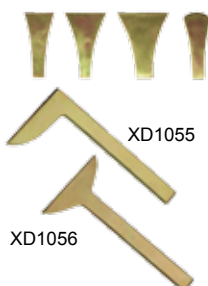
Item No.	Length mm	Weight g
XD1032	300	500
XD1033	450	750
XD1034	600	900
XD1035	750	1200
XD1036	900	1650
XD1037	370	900
XD1038	380	920



- These Pry Bars are manufactured from special steel and are particularly suitable for:
 1. Dismantling stubborn components.
 2. Positioning components.
 3. Holding components in required position.
 4. Spreading clamp-fixtures, etc.

Body Wedge Tools

Item No.	Width mm	Length mm	Weight g
XD1051	35	110	140
XD1052	70	110	140
XD1053	90	110	140
XD1054	48	110	140
XD1055	130	260	650
XD1056	140	260	650



Body Hammers

Item No.	Type	Width mm	Length mm	Ø mm	Weight g
XD1501E	cross pein	346	116	30	400
XD1501F	vertical pein	346	116	30	400
XD1507E	cross pein	317	122	21	400
XD1507F	vertical pein	317	122	21	400
XD1508E	cross pein	303	141	25	400
XD1508F	vertical pein	303	141	25	400
XD1509E	cross pein	330	162	34	400
XD1509F	vertical pein	330	162	34	400
XD1510E	cross pein	356	190	38	1270
XD1510F	vertical pein	356	190	38	1270



Bumping Tools

Item No.	Type	Weight g
XD1011	twin flat, thin	700
XD1012	twin flat, thick	1000
XD1013	flat/halfround, thin	700
XD1014	flat/halfround, thick	900
XD1015	toe-shaped	500
XD1016	roof wedge-shaped	850
XD1017	baguet acoolimate	600
XD1018	anvil type-cule	800
XD1019	anvil type-mealy	950



XJ7036

6L Pneumatic & Manual Operation Fluid Extractor

- ▶ Air inlet: 1/4"
- Avg. air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI (2.8 ~ 11.7 BAR)
- Fluid temperature: 1-95°C (35 ~ 200°F)
- ▶ Accessory
 - 1pc 4x8 silicon hose, 1.5M (with one touch controller)
 - 1pc 7.8x9.8 nylon hose, 1M
 - 1pc 5.3x6.7 nylon hose, 1M
 - 1pc 3.5x4.5 nylon hose, 1M
- ▶ Color box

4600 g 4 pcs / 19.5 Kgs / 6.2 CUFT

- Non-spark. Non-power fluid extractor
- Provide with new design decompression valve for easy to release the negative pressure
- Three air outlets with check valve design for quick & easy to release the air from the extractor
- Easy to operate suitable for engine oil, gear oil, brake fluid, water, etc
- Include 3 kinds nylon tubes can be extracting any non-corrosive fluids
- Include 1.5 meter silicon hose with one touch controller & universal rubber adapter, can fit to most type brake fittings
- Fixing valve & safety cup for automatic cut-off extracting
- Fluid draining pressure balancer



**PNEUMATIC
&
MANUAL**

XJ701

9.5L Manual Operation Fluid Extractor

- ▶ Air inlet: 1/4"
- Avg. air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI (2.8 ~ 11.7 BAR)
- Fluid temperature: 1-95°C (35 ~ 200°F)
- ▶ Accessory
 - 1pc 4x8 silicon hose, 1.5M (with one touch controller)
 - 1pc 7.8x9.8 nylon hose, 1M
 - 1pc 5.3x6.7 nylon hose, 1M
 - 1pc 3.5x4.5 nylon hose, 1M
- ▶ Color box

5000 g 2 pcs / 11 Kgs / 4 CUFT

- Non-spark. Non-power fluid extractor.
- Three air outlets with check valve design for quick & easy to release the air from the extractor.
- Easy to operate suitable for engine oil, gear oil, brake fluid, water, etc
- Include 3 kinds nylon tubes can be extracting any non-corrosive fluids
- Include 1.5 meter silicon hose with one touch controller & universal rubber adapter, can fit to most type brake fittings
- Fixing valve & safety cup for automatic cut-off extracting



MANUAL

XJ705

9.5L Pneumatic Fluid Extractor

- ▶ Air inlet: 1/4"
- Avg. air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI (2.8 ~ 11.7 bar)
- Fluid temperature: 1-95°C (35 ~ 200°F)
- ▶ Accessory
 - 1pc 4x8 silicon hose, 1.5M (with one touch controller)
 - 1pc 7.8x9.8 nylon hose, 1M
 - 1pc 5.3x6.7 nylon hose, 1M
 - 1pc 3.5x4.5 nylon hose, 1M
- ▶ Color box

5000 g 2 pcs / 11 Kgs / 4 CUFT

- Non-spark. Non-power fluid extractor
- Provide with new vacuum system design for quick & easy to extract fluid
- Easy to operate suitable for engine oil, gear oil, brake fluid, water, etc
- Include 3 kinds nylon tubes can be extracting any non-corrosive fluids
- Include 1.5 meter silicon hose with one touch controller & universal rubber adapter, can fit to most type brake fittings
- Fixing valve & safety cup for automatic cut-off extracting



PNEUMATIC

XJ2115

6000cc. Pneumatic Liquid Extractor & Dispenser

- ▶ Air inlet: 1/4"
- Avg. Air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI
- Temperature range: -20 ~ 65 °C (-3 ~ 140 °F)
- Max. capacity: 6000cc.
- ▶ Color box



2650 g 6 pcs / 17 Kgs / 4.7 CUFT

- Simple and easy to operate suitable extracting & filling fluid
- Washing engine carbon with special parts (universal for all model)
- Filling fluid control valve with nylon & pu hose

Extract Example



5 Gallon oil tank

Filling Example



Special oil



Piston oil



50 Gallon oil tank



Gear oil



Machine oil

XJ2102

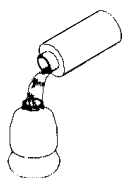
1000cc. Brake Oil Bleeder

- ▶ Color box

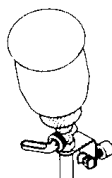
580 g 12 pcs / 8 Kgs / 2 CUFT



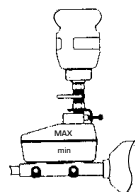
STEP 1.



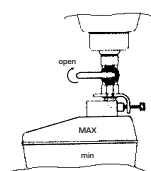
STEP 2.



STEP 3.



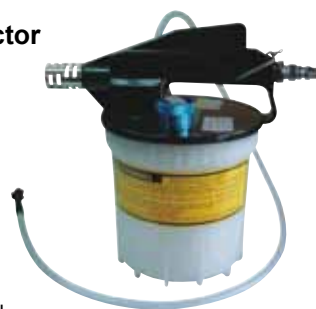
STEP 4.



XJ2119

2000cc. Brake Oil Extractor

- ▶ Air inlet: 1/4"
- Avg. air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI
- Temperature range: -20 ~ 65 °C (-3 ~ 140 °F)
- Max. capacity: 2000cc.
- 1 pc 4*8*1m silicon hose with universal rubber adapter
- ▶ Color box



1250 g 12 pcs / 16 Kgs / 4.9 CUFT

- Economical - fast and easy, reduces labor costs.
- Versatile - handles most standard and ABS brake systems.
- Clean - collects old brake fluid with out spillage.
- Quiet - integrated silencer for a quieter. Working environment.
- Silicon suction assembly with universal rubber fitting

XJ2114

2000cc. Pneumatic Engine Valve & Parts Carbon Clean Kit

- ▶ Air inlet: 1/4"
- Avg. air cons: 2 CFM
- Working pressure: 40 ~ 170 PSI
- Temperature range: -20 ~ 65 °C (-3 ~ 140 °F)
- Max. capacity: 2000cc.
- ▶ Color box



1250 g 12 pcs / 16 Kgs / 3.7 CUFT

- Simple and easy to operate suitable extracting & filling fluid
- Washing engine carbon with special parts (universal for all model)
- Filling fluid control valve with nylon & pu hose



ZECG10 220 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 220 mm (8.7 in.)
- Weight (including battery): 1.25 kg (2.8 lb)
- Weight (including case): 2.45 kg (5.4 lb)
- Max. force: 290 kgf ± 20 (640 lb ± 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 390(L) X 225(H) X 70(W)
(15.35" x 8.86" x 2.76")
- Carriage: 9"

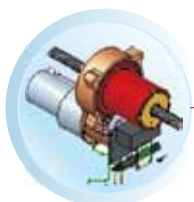


2500 g 5 pcs / 13.5 Kgs / 2.2 CUFT

• CORDLESS CAULKING GUNS •

A PRODUCT CONSISTS WITH ENVIRONMENTAL PROTECTION REQUIREMENTS

Light Weighted
ZECG10 weight 1.25 kg
(include battery)



High Efficiency Transmission

FEATURES

- Anti-dripping
- Light-weighted, convenient to carry
- Li-ion battery is used due to the features of low self-discharge rate, no memory effect, long life, lightweight, etc
- Each charge of battery can plunge up to 100 tubes of 9" silicone cartridge
- LED auxiliary light
- You can control the discharging speed by the extent of pulling trigger

LED Auxiliary Light

7.4 V Li-ion Rechargeable Battery



100 tubes



7.4 VOLT LI-ION BATTERY PACK

- ▶ Power-plus battery pack
Weight: 0.12 kg



Cat. No. 00601

CHARGING POWER SUPPLY

- ▶ Input: AC 100 V ~ 240 V
50 Hz ~ 60 Hz
Output: DC 8.7 V 1.5 A



Cat. No. 10601

ZECG11 205 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 205 mm (8.1 in.)
- Weight (including battery): 1.3 kg (2.9 lb)
- Weight (including case): 2.55 kg (5.6 lb)
- Max. force: 290 kgf ± 20 (640 lb ± 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 380(L) X 225(H) X 70(W)
(15" x 8.86" x 2.76")
- Carriage: 9"

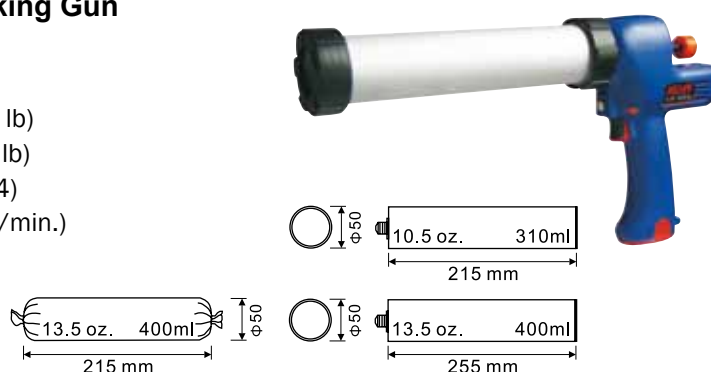
2600 g 5 pcs / 14 Kgs / 2.2 CUFT



ZECG12 240 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 240 mm (9.5 in.)
- Weight (including battery): 1.35 kg (3 lb)
- Weight (including case): 3.05 kg (6.7 lb)
- Max. force: 290 kgf ± 20 (640 lb ± 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 420(L) X 225(H) X 70(W)
(16.54" x 8.86" x 2.76")
- Carriage: 10.5"

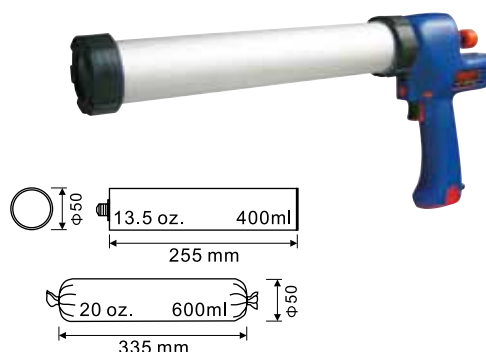
3100 g 5 pcs / 17 Kgs / 2.9 CUFT



ZECG13 305 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 305 mm (12.0 in.)
- Weight (including battery): 1.4 kg (3.1 lb)
- Weight (including case): 3.1 kg (6.8 lb)
- Max. force: 290 kgf ± 20 (640 lb ± 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 480(L) X 225(H) X 70(W)
(18.9" x 8.86" x 2.76")
- Carriage: 13"

3200 g 5 pcs / 17.5 Kgs / 2.9 CUFT



ZECG14 340 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 340 mm (13.4 in.)
- Weight (including battery): 1.45 kg (3.2 lb)
- Weight (including case): 3.15 kg (6.9 lb)
- Max. force: 290 kgf ± 20 (640 lb ± 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 525(L) X 225(H) X 70(W)
(20.67" x 8.86" x 2.76")
- Carriage: 15"

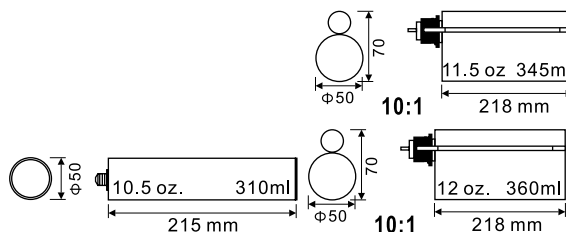
3250 g 5 pcs / 17.75 Kgs / 2.9 CUFT



ZECG21 215 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 215 mm (8.5 in.)
- Weight (including battery): 1.5 kg (3.3 lb)
- Weight (including case): 2.7 kg (6 lb)
- Max. force: 290 kgf $\pm$ 20 (640 lb $\pm$ 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 385(L) X 234(H) X 70(W)
(15.2" x 9.2" x 2.76")
- Carriage: 9"

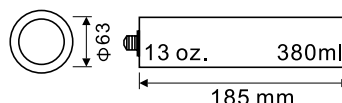
2650 g 5 pcs / 14.25 Kgs / 2.2 CUFT



ZECG30 185 mm Cordless Caulking Gun

- ▶ Volts: 7.4 V (li-ion battery)
- Overall length: 185 mm (7.3 in.)
- Weight (including battery): 1.55 kg (3.4 lb)
- Weight (including case): 2.75 kg (6.1 lb)
- Max. force: 290 kgf $\pm$ 20 (640 lb $\pm$ 44)
- No load speed: 6.9 mm/sec (16.3 in./min.)
- Size (mm): 356(L) X 224(H) X 70(W)
(14" x 8.8" x 2.76")
- Carriage: 8 - 1/2"

2660 g 5 pcs / 14.3 Kgs / 2.2 CUFT



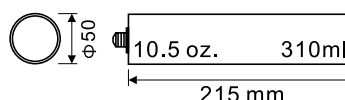
ZECG01 Dry Battery Caulking Gun

- ▶ Volts: 6 V (4 - AA batteries)
- Overall length: 204 mm (8 in.)
- Weight (excluding battery): 1.0 kg (2.2 lb)
- Weight (including case): 1.2 kg (2.6 lb)
- Max. force: 150 kgf $\pm$ 20 (330 lb $\pm$ 44)
- No load speed: 5.4 mm/sec (12.8 in./min.)
- Size (mm): 374(L) X 225(H) X 70(W)
(14.7" x 8.86" x 2.76")
- Carriage: 9"

2100 g 5 pcs / 11.5 Kgs / 2.2 CUFT



Dry Battery



YF818

Adjustable Wire Cutter & Stripper



- ▶ Size: 7" (175mm)
Easily cuts and strips wire (12 ~ 24 AWG)
- ▶ Sliding card

📏 240 g 📦 100 pcs / 25 Kgs / 2.6 CUFT

YF905D

5-in-1 Crimper & Wire Stripper



- ▶ Size: 9-1/2" (240mm)
Crimps insulated terminals (1.5 ~ 6mm²)
Crimps open barrel terminals & disconnectors (1.5 ~ 6mm²)
Easily cuts and strips wire (0.75 ~ 6mm²)
Cleanly shears bolts (M2.6 ~ M5)
- ▶ Sliding card

📏 345 g 📦 48 pcs / 17.5 Kgs / 1.42 CUFT

YF662D

4-in-1 Wire Cutter & Stripper



- ▶ Size: 6-1/2" (168mm)
Plier in nose
Easily cuts and strips wire (10 ~ 20 AWG)
Gauges wire size (0.8 ~ 2.6 mm)
- ▶ Sliding card

📏 135 g 📦 60 pcs / 9.1 Kgs / 1.1 CUFT

YF809D

Self Adjusting Wire Stripper



- ▶ Size: 8-3/4" (225mm)
Self-adjusts to most solid or stranded wire (10 ~ 24 AWG)
Crimps auto ignition (7 ~ 8mm)
Crimps insulated and non-insulated terminals (10 ~ 22 AWG)
- ▶ Sliding card

📏 320 g 📦 60 pcs / 20 Kgs / 1.8 CUFT



• CRIMPING TOOLS •



Carbide Tipped Hole Cutter

• CUTTERS AND SAWS •

Item No.	inch	mm	Weight g
ZKW052016	5/8	16	100
ZKW052017	11/16	17	100
ZKW052018	23/32	18	100
ZKW052019	3/4	19	100
ZKW052020	25/32	20	100
ZKW052021	13/16	21	120
ZKW052022	7/8	22	120
ZKW052023	29/32	23	120
ZKW052024	15/16	24	120
ZKW052025	1	25	120
ZKW052027	1-1/16	27	140
ZKW052028	1-3/32	28	140
ZKW052029	1-1/8	29	140
ZKW052030	1-3/16	30	140
ZKW052031	1-7/32	31	140
ZKW052032	1-1/4	32	140
ZKW052033	1-5/16	33	160
ZKW052034	1-11/32	34	160
ZKW052035	1-3/8	35	160
ZKW052036	1-13/32	36	160
ZKW052037	1-15/32	37	160
ZKW052038	1-1/2	38	160
ZKW052039	1-17/32	39	170
ZKW052040	1-9/16	40	170
ZKW052041	1-5/8	41	170
ZKW052042	1-21/32	42	170
ZKW052043	1-11/16	43	170
ZKW052044	1-3/4	44	170
ZKW052045	1-25/32	45	260
ZKW052046	1-13/16	46	260
ZKW052047	1-27/32	47	260
ZKW052048	1-7/8	48	260
ZKW052049	1-15/16	49	260
ZKW052050	1-31/32	50	260
ZKW052051	2	51	260
ZKW052054	2-1/8	54	390
ZKW052055	2-5/32	55	390
ZKW052056	2-7/32	56	390
ZKW052057	2-1/4	57	390
ZKW052058	2-9/32	58	390
ZKW052059	2-5/16	59	390
ZKW052060	2-3/8	60	390
ZKW052063	2-1/2	63	410
ZKW052065	2-9/16	65	410
ZKW052067	2-5/8	67	430
ZKW052068	2-11/16	68	430
ZKW052073	2-7/8	73	450
ZKW052075	2-15/16	75	450
ZKW052076	3	76	450



- Shallow type
- Size: 16 mm~79 mm diameter
- Material: tools steel + carbide tipped
- Cutting depth: 1 ~ 5mm t.
- TCT hole cutter with 3-flat shank
- Can cut materials up to 5 mm thick
- Tungsten carbide tipped cutting edges
- The slug is spring ejected when cutting is finished
- Can be used on portable and pillar drilling machines
- Application: for cutting hard material such as stainless steel, steel plate, I beam and cast steel, etc

Bi-Metal Hole Saw

Item No.	inch	mm	Weight g
ZKW041019	3/4	19	40
ZKW041020	25/32	20	40
ZKW041021	13/16	21	40
ZKW041022	7/8	22	40
ZKW041024	15/16	24	40
ZKW041025	1	25	40
ZKW041027	1-1/16	27	110
ZKW041028	1-1/8	28	110
ZKW041029	1-1/8	29	110
ZKW041030	1-3/16	30	110
ZKW041032	1-1/4	32	110
ZKW041035	1-3/8	35	110
ZKW041038	1-1/2	38	140
ZKW041040	1-9/16	40	140
ZKW041041	1-5/8	41	140
ZKW041044	1-3/4	44	140
ZKW041046	1-13/16	46	140
ZKW041048	1-7/8	48	190
ZKW041051	2	51	190
ZKW041054	2-1/8	54	190
ZKW041057	2-1/4	57	190
ZKW041060	2-3/8	60	190
ZKW041064	2-1/2	64	190
ZKW041065	2-9/16	65	190
ZKW041067	2-5/8	67	250
ZKW041068	2-11/16	68	250
ZKW041070	2-3/4	70	250
ZKW041073	2-7/8	73	250
ZKW041076	3	76	250
ZKW041079	3-1/8	79	310
ZKW041083	3-1/4	83	310
ZKW041089	3-1/2	89	310
ZKW041092	3-5/8	92	450
ZKW041095	3-3/4	95	450
ZKW041098	3-7/8	98	450
ZKW041102	4	102	450
ZKW041105	4-1/8	105	490
ZKW041108	4-1/4	108	490
ZKW041111	4-3/8	111	490
ZKW041114	4-1/2	114	490
ZKW041121	4-3/4	121	600
ZKW041127	5	127	600
ZKW041133	5-1/4	133	600
ZKW041140	5-1/2	140	920
ZKW041146	5-3/4	146	920
ZKW041152	6	152	920
ZKW041160	6-5/16	160	1280
ZKW041162	6-3/8	162	1280
ZKW041168	6-5/8	168	1280
ZKW041177	6-31/32	177	700
ZKW041210	8-9/32	210	700

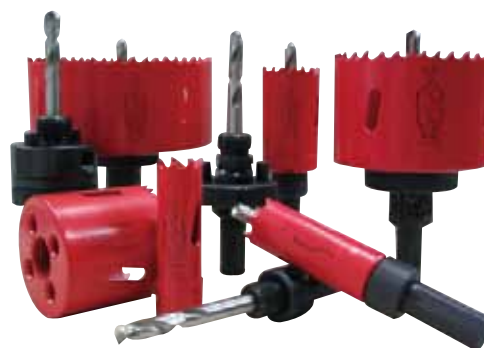
**LONG LASTING TEETH
SMOOTHER CUTS
BETTER CHIP CLEARANCE**



Aggressive positive rake with shock resistant tooth form

4/6 variable tooth

5 mm (3/16") thick heavy duty backing plate



Bi-Metal Hole Saw Fixed With Arbor

- Bi-metal features a combination of High Speed Steel M42 edge welded to alloy steel back
- Cut holes in wood, plastic, and metal, including plywood, nail-embedded wood, aluminum, brass, cast iron, stainless steel, etc
- 4/6T variable pitch positive rake tooth
- Reduce vibration shock resistant tooth
- Cutting depth: 38 mm
- Use ZKW049001 or ZKW049006 for 5/8" (16 mm) to 1-3/16" (30 mm) hole saws
- Use ZKW049002/9007/9029 for 1-1/4" (32 mm) to 8-9/32" (210 mm) hole saws

• CUTTERS AND SAWS •



ZKW049001 1/4" Triangular Shank Arbor

- Arbor with triangular shank 1/4" (6.35 mm) HSS drill

140 g 20 pcs / 3.7 Kgs / 0.5 CUFT

- Fit how saws 9/16" (14 mm) to 1-3/16" (30 mm) diameter

ZKW049002 7/16" Hex Shank Arbor

- Arbor with hex shank 7/16" (11 mm) and HSS drill

210 g 50 pcs / 11.7 Kgs / 0.5 CUFT

- Fit how saws 1-1/4" (32 mm) to 6" (210 mm) diameter

ZKW049006 7/16" Hex Shank Arbor

- Arbor with hex shank 7/16" (11 mm) and HSS drill

160 g 50 pcs / 9 Kgs / 0.5 CUFT

- Fit how saws 9/16" (14 mm) to 1-3/16" (30 mm) diameter

ZKW049007 7/16" Hex Shank Arbor

- Arbor with hex shank 7/16" (11 mm) and HSS drill

160 g 50 pcs / 9 Kgs / 0.5 CUFT

- Fit how saws 1-1/4" (32 mm) to 6" (210 mm) diameter

ZKW049029 7/16" Hex Shank Arbor

- Arbor with hex shank 7/16" (11mm) & HSS drill

210 g 50 pcs / 11.7 Kgs / 0.5 CUFT

- Fit how saws 1-1/4" (32 mm) to 6" (210 mm) diameter

10 Piece Air Saw Blade Set

Item No.	Length	T.P.I	Packing
ZKW03314	90 mm	14	10 pcs a set
ZKW03318	90 mm	18	10 pcs a set
ZKW03324	90 mm	24	10 pcs a set
ZKW03332	90 mm	32	10 pcs a set

40 g 200 sets / 9.6 Kgs / 0.4 CUFT

- Material: HSS bi-metal
- Features and benefits:
 - Cut thru a variety of metals, fiberglass and plastic
 - Great for body work and exhaust work
 - Bi-metal blade for shatterproof use and contain cobalt for long lasting cutting

10 Piece HSS All Hard Hack Saw Blade Set

Item No.	Length	T.P.I	Width	Thickness	Packing
ZKW020114	12" (300 mm)	14	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020118	12" (300 mm)	18	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020124	12" (300 mm)	24	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020132	12" (300 mm)	32	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set

220 g 100 sets / 22 Kgs / 0.6 CUFT

- Material: HSS all hard
- Application: cutting most metal material, including those which are extremely difficulty to cut
- General conception of usage:
 - Use fine teeth saw blade to cut thin & hard materials
 - Use coarse teeth saw blade to cut soft & thick materials

10 Piece HSS Bi-Metal Hack Saw Blade Set

Item No.	Length	T.P.I	Width	Thickness	Packing
ZKW020314	12" (300 mm)	14	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020318	12" (300 mm)	18	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020324	12" (300 mm)	24	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set
ZKW020332	12" (300 mm)	32	1/2" (12.7 mm)	0.025" (0.62 mm)	10 pcs a set

220 g 100 sets / 22 Kgs / 0.6 CUFT

- Material: HSS bi-metal
- Application: cutting most metal material, including those which are extremely difficulty to cut
- General conception of usage:
 - Use fine teeth saw blade to cut thin & hard materials
 - Use coarse teeth saw blade to cut soft & thick materials

ZKW190031 High Tension Medium Profile Hacksaw Frame

1000 g 36 pcs / 37 Kgs / 3.8 CUFT

- High grade die-cast aluminum handle with comfortable TPR soft in front and back
- Hidden tension adjustable function with 25,000 PSI
- Comfortable and ergonomic handle design

ZKW190061 Adjustable Hacksaw

500 g 36 pcs / 19 Kgs / 2.7 CUFT

- Chrome plated tubular frame
- For 250 mm (10") & 300 mm (12") hacksaw blade 15,000 PSI

ZKW190002 High Tension Hacksaw

560 g 36 pcs / 21 Kgs / 2.8 CUFT

- Chrome plated tubular frame
- Die-cast aluminum handle
- Lightweight and durable
- 45° mounting pins for flush cutting
- For 300 mm (12") hacksaw blade
- 25,000 PSI



ZKW049103

4 Piece Door Lock Installation Set

- ▶ 2 pcs bi-metal hole saws: 25mm & 54mm
- 1 pc arbor: 3/8" hex shank
- 1 pc adaptor



290 g 36 sets / 11.5 Kgs / 1.8 CUFT

ZKW049107

7 Piece Mini Set

- ▶ 5 pcs bi-metal hole saws: 22mm, 25mm, 32mm, 35mm, 38mm
- 1 pc arbor: ZKW049001
- 1 pc hex key



700 g 30 sets / 22 Kgs / 1.32 CUFT

ZKW049108

9 Piece Electrician Set

- ▶ 6 pcs bi-metal hole saw: 22mm, 29mm, 35mm, 44mm, 51mm, 64mm
- 2 pcs arbors: ZKW049001 & ZKW049002
- 1 pc hex key



1350 g 10 sets / 14.5 Kgs / 1.67 CUFT

ZKW049111

11 Piece Locksmiths Set

- ▶ 8 pcs bi-metal hole saws: 19mm, 22mm, 25mm, 35mm, 38mm, 41mm, 44mm, 54mm
- 2 pcs arbors: ZKW049001 & ZKW049002
- 1 pc hex key



1400 g 10 sets / 15 Kgs / 1.67 CUFT

ZKW049112

12 Piece Plumbers Set

- ▶ 9 pcs bi-metal hole saws: 19mm, 22mm, 29mm, 35mm, 38mm, 44mm, 51mm, 57mm, 64mm
- 2 pcs arbors: ZKW049002 & ZKW049006
- 1 pc hex key



1400 g 10 sets / 15 Kgs / 1.67 CUFT

ZKW049114

14 Piece Combination Set

- ▶ 11 pcs bi-metal hole saws: 19mm, 22mm, 25mm, 32mm, 35mm, 38mm, 44mm, 51mm, 57mm, 64mm & 76mm
- 2 pcs arbors: ZKW049002 & ZKW049006
- 1 pc hex key



2100 g 10 sets / 22 Kgs / 1.9 CUFT

ZKW049116

16 Piece Master Electrical Set

- ▶ 11 pcs bi-metal hole saws: 22mm, 29mm, 35mm, 38mm, 44mm, 51mm, 64mm, 76mm, 92mm, 105mm, 114mm
- 3 pcs arbors: ZKW049002, ZKW049006 & ZKW049009
- 1 pc extension bar
- 1 pc hex key



3060 g 8 sets / 25.5 Kgs / 2.5 CUFT

ZKW049120

20 Piece Master Electrical Set

- ▶ 15 pcs bi-metal hole saws: 19mm, 22mm, 29mm, 35mm, 38mm, 44mm, 51mm, 57mm, 64mm, 76mm, 83mm, 92mm, 95mm, 105mm, 114mm
- 3 pcs arbors: ZKW049002, ZKW049006 & ZKW049009
- 1 pc extension bar
- 1 pc hex key



4080 g 6 sets / 25.5 Kgs / 2 CUFT

ZKW049136

36 Piece Hole Saw Display Set

- ▶ 25 pcs bi-metal hole saws: 16mm, 19mm, 22mm, 25mm, 29mm, 32mm, 38mm, 41mm, 43mm, 44mm, 48mm, 51mm, 54mm, 57mm, 60mm, 64mm, 67mm, 70mm, 76mm, 89mm, 92mm, 95mm, 102mm, 105mm, 114mm
- 7 pcs arbors: ZKW049001, ZKW049002, ZKW049005, ZKW049006, ZKW049007, ZKW049009 & ZKW049010
- 1 pc extension bar
- 2 pcs HSS drills
- 1 pc hex key



9500 g 1 set / 10.5 Kgs / 2.73 CUFT

• CUTTERS AND SAWS •

Soft Face Dead Blow Hammers

Features:

- Hammers are made from high-grade **polyurethane** in one piece construction using bonding process and oven curing.
 - No sparks or rebounds.
 - **Polyurethane** heads will not mar any surfaces.
 - Resistant to cuts, splits and abrasion much better than plastic or rubber hammers for longer use.
 - Steel shot filled and convex-faced heads.
 - High strength handle with safe grip.
 - **Polyurethane** coating is resistant to many chemical environments.
- Ideal for all types of applications not possible with conventional rubber or plastic hammers.



Standard Head Dead Blow Hammers

Item No.	Hammer Weight	Face Diameters	Head Length	Overall Length
	Oz(g)	inch(mm)	inch(mm)	inch (mm)
YCH0	10 (290)	1.2 (30)	3.4 (85)	10.6 (270)
YCH1	16 (450)	1.5 (40)	3.6 (90)	11.0 (280)
YCH2	24 (680)	1.8 (45)	4.0 (100)	12.0 (305)
YCH3	36 (1020)	2.2 (55)	4.5 (115)	13.6 (345)
YCH4	48 (1360)	2.4 (60)	4.8 (120)	14.8 (375)
YCH5	58 (1650)	2.6 (65)	5.4 (140)	15.2 (385)



- Hardness: shore A 90 ± 2
- Material: polyurethane

Sledge Head Dead Blow Hammers

Item No.	Hammer Weight	Face Diameters	Head Length	Overall Length
	Oz(g)	inch(mm)	inch(mm)	inch(mm)
YCH20	96 (2720)	2.8 (70)	7.1 (180)	20.0 (510)
YCH30	144 (4080)	2.8 (70)	7.1 (180)	30.0 (760)
YCH30L	168 (4750)	3.4 (85)	8.0 (200)	30.0 (760)
YCH36	190 (5380)	3.4 (85)	8.0 (200)	36.5 (930)



- Hardness: shore A 90 ± 2
- Material: polyurethane

Slimline Head Dead Blow Hammers

Item No.	Hammer Weight	Face Diameters	Head Length	Overall Length
	Oz(g)	inch(mm)	inch(mm)	inch(mm)
YXCH0	21 (560)	1.4 (35)	4.7 (120)	12.0 (305)
YXCH1	31 (880)	1.7 (40)	5.4 (140)	13.5 (340)
YXCHP	40 (1130)	1.7 (40)	8.5 (215)	13.5 (340)



- Hardness: shore A 90 ± 2
- Material: polyurethane

Ball Peen Dead Blow Hammers

Item No.	Hammer Weight	Face Diameters	Head Length	Overall Length
	Oz(g)	inch(mm)	inch(mm)	inch(mm)
Y16BH	26 (740)	1.2 (30)	4.3 (110)	12.8 (320)
Y24BH	36 (1020)	1.5 (35)	4.5 (115)	13.0 (330)
Y32BH	44 (1250)	1.7 (40)	4.9 (125)	13.5 (340)
Y40BH	48 (1360)	1.7 (40)	4.9 (125)	16.3 (410)



- Hardness: HRC 48 - 54
- Head: medium carbon steel 50c
- Surface: smooth

YT071D

Dandelion Trowel W/Ergo Handle

- Size: 1.8(T) x 328(L) mm
- Material: metal blade w/black sandy-powder finished
- Package: hang tag

200 g 72 pcs / 16.6 Kgs / 1.32 CUFT



YC07B2

Garden Groove Cutter W/Ergo Handle

- Size: 1.6(T) x 300(L) mm
- Material: mid carbon steel blade w/black dyeing
- Package: hang tag

180 g 72 pcs / 13.8 Kgs / 0.98 CUFT



YT0811

Trowel W/Ergo Handle

- Size: 1.2(T) x 282(L) mm
- Material: Cr-mo alloyed steel blade w/black epoxy finished
- Package: hang tag

200 g 72 pcs / 16 Kgs / 1.7 CUFT



YT0812

Transplanter W/Ergo Handle

- Size: 1.2(T) x 280(L) mm
- Material: Cr-mo alloyed steel blade w/black epoxy finished
- Package: hang tag

180 g 72 pcs / 14 Kgs / 1.34 CUFT



YT0822

Cultivator W/Ergo Handle

- Size: 5.4/7.3(T) x 271(L) mm
- Material: metal wire w/black epoxy finished
- Package: hang tag

280 g 72 pcs / 22 Kgs / 1.62 CUFT



YT0825

Floral Rake W/Ergo Handle

- Size: 2.0(T) x 327(L) mm
- Material: metal blade & wire w/black epoxy finished
- Package: hang tag

250 g 72 pcs / 20.1 Kgs / 2 CUFT



YT0836

Weeder W/Lever W/Ergo Handle

- Size: 7.6(T) x 330(L) mm
- Material: metal blade & wire w/black epoxy finished
- Package: hang tag

210 g 72 pcs / 17.1 Kgs / 1.67 CUFT



YT0838

Spading Fork W/Ergo Handle

- Size: 1.2(T) x 265(L) mm
- Material: Cr-mo alloyed steel blade w/black epoxy finished
- Package: hang tag

170 g 72 pcs / 12 Kgs / 1.45 CUFT



YT0841

Spade W/Ergo Handle

- Size: 2.0(T) x 323(L) mm
- Material: Cr-mo alloyed steel blade & metal wire w/black epoxy finished
- Package: hang tag

260 g 72 pcs / 21.4 Kgs / 2.84 CUFT



YT0843

Spade Rake W/Ergo Handle

- Size: 2.0(T) x 323(L) mm
- Material: Cr-mo alloyed steel blade & metal wire w/black epoxy finished
- Package: hang tag

250 g 72 pcs / 20.7 Kgs / 2.84 CUFT



YC09B2H

Garden Groove Cutter W/Plastic Handle

- Size: 1.6(T) x 330(L) mm
- Material: mid carbon steel blade w/black dyeing
- Package: hang tag

180 g 72 pcs / 14.2 Kgs / 1.39 CUFT



YT67K10

Garden Knife W/Wooden Handle

- Size: 1.4(T) x 80(W) x 295(L) mm
- Material: cr-mo alloy steel w/chrome plating
- Package: pvc pouch



150 g 72 pcs / 14 Kgs / 1.3 CUFT

- Feature: 2 side straight cutting edge

YT67K16

2 in 1 Garden Knife W/Wooden Handle

- Size: 1.4(T) x 80(W) x 295(L) mm
- Material: cr-mo alloy steel w/chrome plating
- Package: pvc pouch



150 g 72 pcs / 14 Kgs / 1.3 CUFT

- Feature: serrated / straight cutting edge

YT67K56

Weeding Garden Knife W/Wooden Handle

- Size: 1.8(T) x 54(W) x 335(L) mm
- Material: cr-mo alloy steel w/chrome plating
- Package: pvc pouch



190 g 72 pcs / 14.4 Kgs / 0.97 CUFT

- Feature: straight / serrated cutting edge / twin cutter

YT67K58

3 in 1 Digging Knife W/Wooden Handle

- Size: 1.8(T) x 54(W) x 335(L) mm
- Material: cr-mo alloy steel w/heat treated w/chrome plating
- Package: pvc pouch



190 g 72 pcs / 14.4 Kgs / 0.97 CUFT

- Feature: straight / serrated cutting edge / weeder

YC4768N

Green Pro By-Pass Pruner

- Size: 8" (203mm)
- Package: sliding card



300 g 72 pcs / 23.5 Kgs / 1.94 CUFT

YC4768NB

Green Pro Anvil Pruner

- Size: 8" (203mm)
- Package: sliding card



310 g 72 pcs / 24 Kgs / 1.94 CUFT

YC6139

Almighty Shears

- Size: 3.0(T) x 263(L) mm
- Material: mid carbon steel blades
- Package: tied on card



220 g 72 pcs / 16.8 Kgs / 1.27 CUFT

YC6167

Anvil Pruner

- Size: 2.8/4.0(T) x 203(L) mm
- Material: high carbon steel blade w/heat treat w/non-stick coated
- Package: tied on card



250 g 100 pcs / 26 Kgs / 2.63 CUFT

YC6168

By-Pass Pruner

- Size: 2.8/4.0(T) x 216(L) mm
- Material: high carbon steel upper blade/mid carbon steel lower blade
- Package: tied on card



240 g 100 pcs / 26.3 Kgs / 2.63 CUFT

YC6169

Flower Pruner

- Size: 2.8/4.0(T) x 216(L) mm
- Material: high carbon steel blades w/heat treat w/non-stick coated
- Package: tied on card



240 g 100 pcs / 26.3 Kgs / 2.66 CUFT

YC6266

Trimming Pruner

- Size: 2.5(T) x 216(L) mm
- Material: high carbon harden steel
- Package: tied on card



220 g 100 pcs / 23 Kgs / 2.66 CUFT

YC6267B

Anvil Pruner W/Loop Handle

- Size: 2.8/4.0(T) x 191(L) mm
- Material: high carbon steel blade w/heat treat
- Package: tied on card



250 g 100 pcs / 26 Kgs / 2.66 CUFT

YT0913H

Transplanter W/Plastic Handle

- ▶ Size: 1.4(T) x 357(L) mm
- Material: metal blade & wire w/ black epoxy finished
- Package: hang tag



240 g 72 pcs / 18.7 Kgs / 1.48 CUFT

YT0922H

Cultivator W/Plastic Handle

- ▶ Size: 5.4/7.3(T) x 292 mm
- Material: metal blade & wire w/ black epoxy finished
- Package: hang tag



220 g 72 pcs / 17.5 Kgs / 1.34 CUFT

YT0925H

5 Teeth Rake W/Plastic Handle

- ▶ Size: 2.0(T) x 352(L) mm
- Material: metal blade & wire w/ black epoxy finished
- Package: hang tag



250 g 72 pcs / 18.7 Kgs / 1.92 CUFT

YT0936H

Weeder Lever W/Plastic Handle

- ▶ Size: 7.6(T) x 365(L) mm
- Material: metal blade & wire w/ black epoxy finished
- Package: hang tag



200 g 72 pcs / 16.5 Kgs / 1.58 CUFT

YT0938H

Spading Fork W/Plastic Handle

- ▶ Size: 1.2(T) x 300(L) mm
- Material: Cr-mo alloyed steel blade w/ black epoxy finished
- Package: hang tag



270 g 72 pcs / 20.4 Kgs / 2.93 CUFT

YT0941H

Spade W/Plastic Handle

- ▶ Size: 2.0(T) x 348(L) mm
- Material: Cr-mo alloyed steel blade w/ black epoxy finished
- Package: hang tag



260 g 72 pcs / 21.4 Kgs / 2.93 CUFT

YT0943H

Spade Rake W/Plastic Handle

- ▶ Size: 2.0(T) x 348(L) mm
- Material: Cr-mo alloyed steel blade w/ black epoxy finished
- Package: hang tag



250 g 72 pcs / 20.4 Kgs / 2.93 CUFT

YT0910H

Trowel W/Plastic Handle

- ▶ Size: 1.4(T) x 352(L) mm
- Material: metal blade & wire w/ black epoxy finished
- Package: hang tag

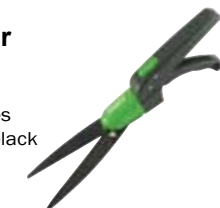


270 g 72 pcs / 21.4 Kgs / 1.93 CUFT

YC1639

180 Degree Swivel Grass Shear

- ▶ Size: 2.0(T) x 336(L) mm
- Material: mid carbon steel straight blades non-stick coated top blade w/ black finish bottom blade
- Package: double blister



280 g 72 pcs / 23.7 Kgs / 3.94 CUFT

YC1839

Heavy Duty Grass Shears

- ▶ Size: 2.0(T) x 323(L) mm
- Material: mid carbon steel blades w/ non-stick coated
- Package: hang tag

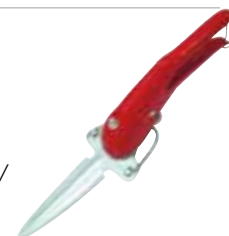


290 g 96 pcs / 29 Kgs / 3.2 CUFT

YC1849C

Chrome Plated Heavy Duty Grass Shears

- ▶ Size: 2.0(T) x 330(L) mm
- Material: mid carbon steel blades w/ chrome plated
- Package: tied on card



390 g 48 pcs / 20.9 Kgs / 2.06 CUFT

YL3837

26" Gear-Ratchet Anvil Lopper

- ▶ Size: 26" x 4.0 mm
- Cutting capacity: 35mm
- Material: high-carbon steel upper blade
- Package: blade w/ pvc pouch



1040 g 12 pcs / 14 Kgs / 1.85 CUFT

- Gear ratchet mechanism
- 4 Cutting position
- Tpr ergo soft grips

YC6268B

8" By-Pass Pruner W/Loop Handle

- ▶ Size: 2.8/4.0(T) x 203(L) mm
- Material: high carbon steel blades w/ heat treatment
- Package: tied on card



240 g 100 pcs / 26.3 Kgs / 2.66 CUFT

YC6269B

Flower Pruner W/Loop Handle

- ▶ Size: 2.8/4.0(T) x 203(L) mm
- Material: high carbon steel blades w/ heat treat w/non-stick coated
- Package: tied on card



240 g 100 pcs / 26.3 Kgs / 2.66 CUFT

YR0111

Trowel W/Stretching Aluminum Handle

- ▶ Handle size: 25-1/2"~42"
- Material: Cr-mo alloy steel blade w/ chrome plated
- Package: hang tag



370 g 24 pcs / 9.4 Kgs / 1 CUFT

YR0136

Weeder W/Stretching Aluminum Handle

- ▶ Handle size: 25-1/2"~42"
- Material: 7.6 mm metal wire & plate
- Package: hang tag

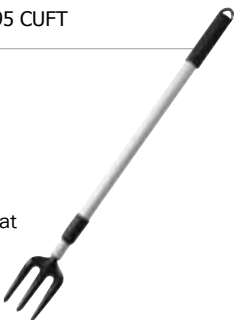


380 g 24 pcs / 9.7 Kgs / 0.95 CUFT

YR0138

Fork W/Stretching Aluminum Handle

- ▶ Handle size: 25-1/2"~42"
- Material: Cr-mo alloy steel blade w/heat treatment
- Package: hang tag



330 g 24 pcs / 8.4 Kgs / 0.95 CUFT

YR0143

Spade Rake W/Stretching Aluminum Handle

- ▶ Handle size: 25-1/2"~42"
- Material: Cr-mo alloy steel blade w/heat treatment
- Package: hang tag



390 g 24 pcs / 10.1 Kgs / 1.57 CUFT

YR01B2H

Groove Cutter W/Stretching Aluminum Handle

- ▶ Handle size: 25-1/2"~42"
- Material: mid carbon steel blade w/ chrome plated
- Package: hang tag

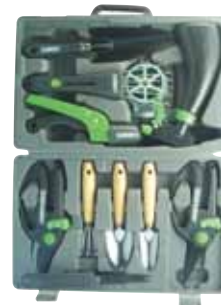


340 g 24 pcs / 8.6 Kgs / 0.7 CUFT

YG6368

12 Piece Gardening Tool Set

- ▶ 1 pc 8" by-pass pruner
- 1 pc 8-1/2" trimming pruner
- 1 pc 180 degree swivel grass shear
- 1 pc 6t adj. Stainless steel wire broom
- 1 pc transplanter
- 1 pc weeder
- 1 pc water sprayer
- 1 pc mini trowel
- 1 pc mini transplanter
- 1 pc mini cultivator
- 1 pc twist tie dispenser
- 1 pc gloves
- Package: blow case



2020 g 6 sets / 13.1 Kgs / 1.66 CUFT

YG6069

4 Piece Gardening Tool Set

- ▶ 1 pc transplanter
- 1 pc trowel
- 1 pc spade-cultivator
- 1 pc by-pass pruner
- Package: double blister



710 g 24 sets / 19.6 Kgs / 4.01 CUFT

YG6189

18 Piece Gardening Tool Set

- ▶ 1 pc eva sponge
- 1 pc trowel
- 1 pc transplanter
- 1 pc weeder
- 1 pc I type dibber
- 1 pc spade-rake
- 1 pc 280ml sprayer
- 1 pc anvil pruner
- 1 pc by-pass pruner
- 1 pc 20m twistee
- 1 pc minitrowel
- 1 pc transplanter
- 1 pc cultivator
- 1 pc gloves
- 1 pc weeding knife
- 1 pc 180 degree swivel grass shear
- 1 pc 4 position stainless wire broom
- 1 set gardening accessories
- Package: blow case



3830 g 4 sets / 16.4 Kgs / 2.57 CUFT

2.5° Nano-Ratchet
The smallest angle in the world

2.5°

Nano-ratchet dual pawl provides a minimal 2.5° swing angle for working in tight space.

Solution of space demand



UGS Sliding T
Non-rotating · Hidden end

Hidden end stop allows drive head slide to the end of handle, minimizes the drive radius clearance.

Semi-circle shape of handle prevents the drive head from rotating about the handle.

Solution of Space & Safety demands



Uni-Grip Traditional

Uni-Grip Extension
Non-rolling · Non-slipping

Flat parallel sides allowing torque to be applied with an open-end wrench at any point along the shaft.

Uni-Grip raised ridges provide greater grip and prevent extensions from rolling.

Solution of Space · Safety & Time demands



UNI GRIP SYSTEM

Uni-Grip Socket
Non-rolling · Non-slipping

Raised ridges provide 300% greater grip, enabling faster tightening and prevent sockets from rolling.

Large size markings on 2 to 4 places for quick access and storage.

2 Ridges = 1/4" Drive
3 Ridges = 3/8" Drive
4 Ridges = 1/2" Drive

Solution of Safety & Time demands



Superman U Joint
Flexible · Non-floppy

Dual internal springs insure u-joint maintains a semi-rigid shape for insertion into tight spaces.

Superman Flexible
Traditional Floppy

2 Ridges = 1/4" Drive
3 Ridges = 3/8" Drive
4 Ridges = 1/2" Drive

Solution of Safety & Time demands



• HAND TOOLS •



The most effective tools with German designs.
Solution of Space, Safety, and Time demands.

Y28400
40 Piece 1/4" Dr. Uni-Grip Socket Set

- ▶ 13 pcs Uni-Grip sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- 2 pcs Uni-Grip extensions: 50, 150 mm
- 1 pc Uni-Grip sliding T handle
- 1 pc Uni-Grip Superman u-joint
- 1 pc Uni-Grip spinner handle
- 1 pc 2.5° Nano-ratchet handle
- 1 pc Autolock bit holder
- 20 pcs bits: T10, T15, T20, T25, T27, T30, T40, SL4, SL5, SL6, PH1, PH2, PZ1, PZ2, H3, H4, H5, H6, H7, H8



1550 g 10 sets / 16.4 Kgs / 1.2 CUFT

Y38240
24 Piece 3/8" Dr. Uni-Grip Socket Set

- ▶ 19 pcs Uni-Grip sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm
- 2 pcs Uni-Grip extensions: 150, 250 mm
- 1 pc Uni-Grip sliding T handle
- 1 pc Uni-Grip Superman u-joint
- 1 pc 2.5° Nano-ratchet handle



3560 g 5 sets / 18.6 Kgs / 1.2 CUFT

Y48260
26 Piece 1/2" Dr. Uni-Grip Socket Set

- ▶ 21 pcs Uni-Grip sockets: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm
- 2 pcs Uni-Grip extensions: 125, 250 mm
- 1 pc Uni-Grip sliding T handle
- 1 pc Uni-Grip Superman u-joint
- 1 pc 2.5° Nano-ratchet handle



6100 g 3 sets / 19.1 Kgs / 1.1 CUFT

Y28130
13 Piece 1/4" Dr. Uni-Grip Socket Set

- ▶ 13 pcs Uni-Grip sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm

280 g 50 sets / 15 Kgs / 1.7 CUFT


Y38130
13 Piece 3/8" Dr. Uni-Grip Socket Set

- ▶ 13 pcs Uni-Grip sockets: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

570 g 20 sets / 12.2 Kgs / 1 CUFT


Y48130
13 Piece 1/2" Dr. Uni-Grip Socket Set

- ▶ 13 pcs Uni-Grip sockets: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm

1190 g 10 sets / 12.7 Kgs / 0.8 CUFT


Y50102
2 Piece 2.5° Nano-Ratchet Handle Set

- ▶ 2 pcs 2.5° Nano-ratchet handle: 1/4" & 3/8"

680 g 20 sets / 14.5 Kgs / 1.6 CUFT


Y50305
5 Piece Uni-Grip Extension Set

- ▶ 5 pcs Uni-Grip extension: 1/4" Dr. - 2" & 6", 3/8" Dr. - 3", 6", 10"

760 g 20 sets / 16.2 Kgs / 1.6 CUFT


Y50403
3 Piece Uni-Grip Superman U-joint Set

- ▶ 3 pcs Uni-Grip Superman u-joint: 1/4", 3/8", 1/2" Dr.

400 g 20 sets / 9 Kgs / 1.3 CUFT


Y50503
3 Piece Uni-Grip Sliding T Handle Set

- ▶ 3 pcs Uni-Grip sliding T handle: 1/4", 3/8", 1/2" Dr.

780 g 20 sets / 17 Kgs / 2.4 CUFT


Y50605
5 Piece Uni-Grip Adaptor Set

- ▶ 5 pcs Uni-Grip adaptor: 1/4"F x 3/8"M, 3/8"F x 1/4"M, 3/8"F x 1/2"M, 1/2"F x 3/8"M, 1/2"F x 3/4"M

420 g 20 sets / 9.2 Kgs / 1.2 CUFT



YHP111

1 Ton Hand Power Puller



- ▶ Single gear & single pawl / red single color grip
Cable dia. 5 mm X 10 ft with 2 hooks

2500 g 6 pcs / 17 Kgs / 1.45 CUFT

- Polished heavy steel ratchet arm for a smooth nonbinding operation
- Heat treated bolts
- Drop forged steel hooks with spring safe latches

YHP117

2 Ton Hand Power Puller



- ▶ Single gear & single pawl / red single color grip
Cable dia. 5 mm X 12 ft with 2 hooks

3580 g 6 pcs / 23.5 Kgs / 1.45 CUFT

- Comfortable hand grip
- Heavy duty steel stamped ratchet gears, drive pawls and stop pawls for reinforcement
- Heat treated bolts
- Drop forged hanging bracket can be operated by 360 degrees

YHP132

3 Ton Hand Power Puller



- ▶ Single gear & single pawl / red single color grip
Cable dia. 5 mm X 12 ft with 2 hooks

4170 g 6 pcs / 27 Kgs / 1.45 CUFT

- Comfortable hand grip
- Heavy duty steel stamped ratchet gears, drive pawls and stop pawls for reinforcement
- Heat treated bolts
- Drop forged hanging bracket can be operated by 360 degrees

YHP123D

2.5 Ton Hand Power Puller



- ▶ Double gear & double pawl / orange & black two tone color grip
Cable dia. 5 mm X 10 ft with 2 hooks

4100 g 6 pcs / 25.3 Kgs / 1.9 CUFT

- Durable solid steel gear construction for greater pulling power & safety
- Large drop forged alloy steel safety hooks
- Attractive bi-colored grip
- Cable clamp fixed onto the drum for safety

YHP141D

4 Ton Hand Power Puller



- ▶ Single gear & single pawl / red & black two tone color grip
Cable : dia. 6 mm X 12 ft with 3 hooks

7170 g 3 pcs / 22.2 Kgs / 1.38 CUFT

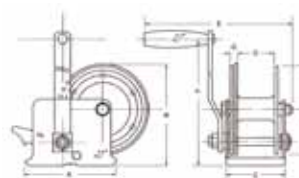
- Durable solid steel gear construction for greater pulling power & safety
- Large drop forged alloy steel safety hooks
- Attractive bi-colored grip
- Cable clamp fixed onto the drum for safety

600 LBS Trailer Winch

Item No.	Capacity	Gear Ratio	A mm	B mm	C mm	D mm	E mm	F mm	G mm
YW6506	600lbs / 270kgs	3.2 : 1	95	104	89	50	230	205	10

1670 g 12 pcs / 21 Kgs / 1.4 CUFT

- Solid gear construction
- Black electrostatic discharge coating or zinc plated finish
- Precise gear tooth engagement

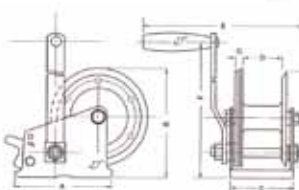


1200 LBS Trailer Winch

Item No.	Capacity	Gear Ratio	A mm	B mm	C mm	D mm	E mm	F mm	G mm
YW6512	1200lbs / 550kgs	4 : 1	136	152	89	53	230	235	10

2670 g 6 pcs / 17.5 Kgs / 1.2 CUFT

- Solid gear construction
- Black electrostatic discharge coating or zinc plated finish
- Precise gear tooth engagement



Trailer Winch

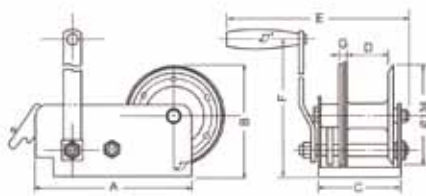
Item No.	Capacity	Gear Ratio	A mm	B mm	C mm	D mm	E mm	F mm	G mm
YW6520	2000lbs / 900Kgs	4 : 1 & 10 : 1	180	158	130	70	285	310	12
YW6525	2500lbs / 1100Kgs	5 : 1 & 12 : 1	193	188	130	70	318	310	13.5

YW6520 |  5500 g  4 pcs / 23 Kgs / 1.3 CUFT
 YW6525 |  6750 g  4 pcs / 28 Kgs / 1.9 CUFT

- Solid gear construction
- Black electrostatic discharge coating or zinc plated finish
- Precise gear tooth engagement
- Embossed frame for reinforcement
- Dual Speed design
- Built-in hand brake (for YW6525)



Built-in hand brake



YTDR921 2 Piece 2.5m Lashing Strap Set

- ▶ 2 pcs 2.5m lashing strap
- ▶ 1 inch cam buckle (zinc plated)
25 mm x 2.5 m webbing capacity: 180 Kgs
Package: sliding card

 240 g  48 sets / 12.4 Kgs / 1.7 CUFT



YTDR922 5m Lashing Strap

- ▶ 1 inch cam buckle (zinc plated)
25 mm x 5 m webbing capacity: 180 Kgs
Package: sliding card

 170 g  96 pcs / 17 Kgs / 1.8 CUFT



YTDR99S 2 Piece 2m Lashing Strap Set

- ▶ 2 pcs 2m lashing strap
- ▶ 25mm cam buckle, black coated
Capacity: 450 Kgs
w / 25 mm x 2 m red nylon strap
w / 2 shooks
Package: sliding card

 710 g  24 sets / 18 Kgs / 1.44 CUFT



YTDR104S

5m Ratchet Tie Down

- ▶ Ratchet buckle / yellow zinc
Capacity: 500 Kgs
25 mm / 5 m webbing
Package: sliding card

 470 g  36 pcs / 18 Kgs / 1.7 CUFT



YTDR153DJ

6m Ratchet Tie Down

- ▶ 1-1/2 inch ratchet
Capacity: 1000kgs
Buckle (black coated)
38 mm x 6 m webbing
Package: color box

 1500 g  10 pcs / 16 Kgs / 0.9 CUFT



YTDR204S

6m Ratchet Tie Down 50mm Width

- ▶ 2 inch patchet buckle /
black coated capacity: 1000kgs
50mm x 6m webbing
w/2 shooks
Package: color box

 1300 g  10 pcs / 14 Kgs / 0.84 CUFT



YTDR207DJ

9m Ratchet Tie Down

- ▶ Ratchet buckle / yellow zinc
50mm x 9m webbing
Capacity: 1000 Kgs
w/2 double j hooks
Package: color box

 2600 g  10 pcs / 28 Kgs / 2.3 CUFT



YJ220

Tube Cutter 3 ~ 22mm



- ▶ Capacity: 3 ~ 22mm
(1/8" ~ 7/8")

130 g 100 pcs / 15 Kgs / 1.13 CUFT

- Specifically designed for use in restricted spaces on small diameter
- Strong, lightweight slide and wheel housing, large knurled feed screw steel knob gives easy control of cutting pressure for clean cuts

YJ320

Tube Cutter 3 ~ 32mm



- ▶ Capacity 3 ~ 32mm
(1/8" ~ 1-1/4")

375 g 36 pcs / 18 Kgs / 0.9 CUFT

- Precise cut exact telescopic guide quick adjusting of working area easy turning of adjusting knob
- Easy cutting close to flange two guide rolls with recess

YJ5018

Replacing Blade For Tube Cutters

- ▶ Suitable for copper



YJ5019

Replacing Blade For Tube Cutters

- ▶ Suitable for stainless



YJ67

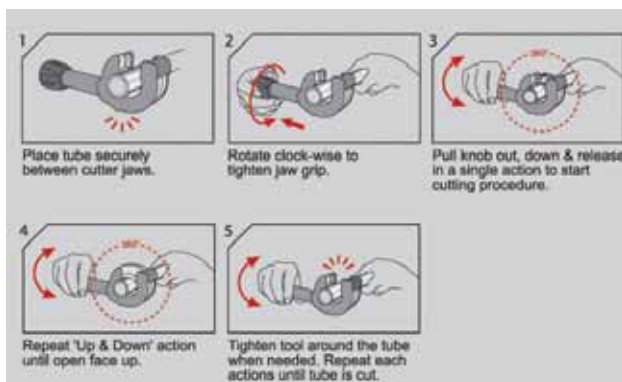
Ratchet Exhaust Cutter



- ▶ Capacity: 1-1/8" ~ 2-1/2"
28 ~ 67mm
thickness ≤ 3mm

1020 g 12 pcs/ 13.5 Kgs / 0.84 CUFT

- Suitable for use on exhaust and tailpipes, and thin-wall copper and steel tubing



YJ6219

Replacing Blade For Ratchet Exhaust Cutters

- ▶ Special alloy steel cutting blade ideal for use on stainless steel copper thin wall tubing



ZYD71G

1.5 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3-3.5 (43-50)
- Air inlet: 1/4"
- Fluid inlet: 1/4"
- Air consumption L/Min (cfm): 180-230 (6.3-8.1)
- Capacity of cup (L): 0.25

600 g 20 pcs / 19 Kgs / 2.3 CUFT

- Optional nozzle size: ø1.3 mm
- Stainless steel nozzle and needle
- Gravity feed action for better control over fluid output



ZYD77G

2.0 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3.5 (50)
- Air inlet: 1/4"
- Fluid inlet: 1/4"
- Air consumption L/Min (cfm): 250 (8.8)
- Capacity of cup (L): 0.4

700 g 20 pcs / 19 Kgs / 2.3 CUFT

- Optional nozzle size: ø1.5 mm, ø2.5 mm
- Fully adjustable wide fan pattern control
- Stainless steel nozzle and needle



ZYD101G

1.3 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (Bar/PSI): 2.0-2.5 (28-36)
- Air inlet: 1/4"
- Fluid inlet: 1/4"
- Fluid output (ml/min): 155-170
- Air consumption L/Min (cfm): 210-250 (7.4-8.8)
- Spray pattern (mm): 205-220
- Capacity of cup (L): 0.4

460 g 20 pcs / 18 Kgs / 2.3 CUFT

- Optional nozzle size: ø1.0 mm, ø1.5 mm, ø1.8 mm
- Improved maneuverability with light weight and well-balanced gun body
- Stable atomizing performance with less paint adhesion to the air cap
- Steady spray pattern and uniform coating



ZYD200G

Gravity Type Spray Gun With 2.0 mm Nozzle

- ▶ Air pressure (PSI): 43
- Air inlet: 1/4"
- Fluid inlet: 3/8"
- Air consumption L/Min (cfm): 360 (12.7)
- Capacity of cup (L): 0.4

620 g 20 pcs / 19 Kgs / 2.3 CUFT

- Available size: ø1.2 mm, ø1.4 mm, ø1.5 mm, ø1.6 mm, ø1.8 mm and ø2.5 mm
- Used for industrial applications by auto painter, sign painter, furniture refinishers and so on
- Designed for applying base coats and primers
- Pattern around 11" (28 cm) for 2.0 mm nozzle size
- Can spray high-viscosity paints include metallic
- For everything from detail touch-up to large-scale production spraying
- Nozzle and Needle made by stainless steel



ZYD5A

1.0 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 2.0 (30)
- Air inlet: 1/4"
- Air consumption L/Min (cfm): 25 (0.9)
- Capacity of cup (L): 0.145

320 g 20 pcs / 9 Kgs / 1.5 CUFT

- Stainless steel nozzle and needle
- Used for spot repair to medium paint job



ZYD5B

0.5 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 2.0 (30)
- Air Inlet: 1/4"
- Air consumption L/Min (cfm): 25 (0.9)
- Capacity of cup (L): 0.145

320 g 20 pcs / 9 Kgs / 1.5 CUFT

- Stainless steel nozzle and needle
- Used for spot repair to medium paint job



ZYD400G

1.4 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 2.0-3.0 (29-43)
- Air inlet: 1/4"
- Fluid inlet: M16 x 1.5
- Air consumption L/Min (cfm): 280-370 (9.9-13.1)
- Capacity of cup (L): 0.6

630 g 10 pcs / 9 Kgs / 1.7 CUFT

- Optional nozzle size: ø1.2 mm, ø1.6 mm, ø1.8 mm
- Lightweight
- High transfer efficiency when air pressure at 29 PSI
- Stainless steel nozzle and needle



ZYD202

1.0 mm Pressure Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3.5-5 (50-70)
- Air inlet: 1/4"
- Fluid inlet: 3/8"
- Air consumption L/Min (cfm): 280-360 (10-12.7)
- Capacity of cup (L): 2.0

2400 g 5 pcs / 17 Kgs / 3.5 CUFT

- Optional nozzle size: ø1.5 mm, ø1.8 mm
- Excellent for large area as buses, trucks and vans
- Allows users to mix and paint 2 quarts at one time



ZYD102

1.6 mm Suction Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3.5-5 (50-70)
- Air inlet: 1/4"
- Fluid inlet: 3/8"
- Air consumption L/Min (cfm): 280-360 (10-12.7)
- Capacity of cup (L): 1.0

1000 g 10 pcs / 12 Kgs / 2.2 CUFT

- Optional nozzle size: ø1.0 mm, ø1.5 mm, ø1.8 mm, ø2.0 mm
- Medium to large paint jobs
- Excellent atomization



ZYD404

HVLP Spray Gun With 1.0 mm Nozzle

- ▶ Air pressure Kg/cm² (PSI): 3.5-5 (50-70)
Air inlet: 1/4"
Fluid inlet: 3/8"
Air consumption L/Min (cfm): 310-370 (11-13)
Capacity of cup (L): 1.0

1200 g 10 pcs / 14 Kgs / 2.5 CUFT

- Optional nozzle size: $\varnothing$ 0.8 mm, $\varnothing$ 1.4 mm, $\varnothing$ 1.8 mm
- Fan control at front nozzle of gun
- Stainless steel nozzle and needle



ZYD409

1.0 mm HVLP Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3.5-5 (50-70)
Air inlet: 1/4"
Fluid inlet: 3/8"
Air consumption L/Min (cfm): 310-370 (11-13)
Capacity of cup (L): 1.0

1100 g 10 pcs / 13 Kgs / 2.5 CUFT

- Optional nozzle size: $\varnothing$ 0.8 mm, $\varnothing$ 1.4 mm, $\varnothing$ 1.6 mm, $\varnothing$ 1.8 mm
- Excellent atomization



ZYD411

1.4 mm HVLP Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3.5-5 (50-70)
Air inlet: 1/4"
Fluid inlet: 3/8"
Air consumption L/Min (cfm): 250-320 (8.8-11.3)
Capacity of cup (L): 0.6

800 g 10 pcs / 10.5 Kgs / 2 CUFT

- Optional nozzle size: $\varnothing$ 1.0 mm, $\varnothing$ 1.6 mm, $\varnothing$ 1.8 mm
- Easy to use and clean



ZYD413

1.0 mm HVLP Touch Up Gun

- ▶ Air pressure Kg/cm² (PSI): 2.5-4 (35-57)
Air inlet: 1/4"
Air consumption L/Min (cfm): 100-120 (3.5-4.2)
Capacity of cup (L): 0.3

460 g 20 pcs / 10 Kgs / 3 CUFT

- Optional nozzle size: $\varnothing$ 1.8 mm
- Ideal for shading and spotting
- Fan control at front nozzle of gun



ZYD416

1.4 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3 (43)
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min (cfm): 250-320 (8.8-11.3)
Capacity of cup (L): 0.6

800 g 10 pcs / 10 Kgs / 2 CUFT

- Optional nozzle size: $\varnothing$ 1.7 mm, $\varnothing$ 2.0 mm, $\varnothing$ 2.5 mm
- New patented built-in adjustable connector
- Fine atomization and fast working speed



ZYD418

Gravity Type HVLP Spray Gun With 1.4 mm Nozzle

- ▶ Air pressure (PSI): 40
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min (cfm): 310 (11)
Capacity of cup (L): 0.6

800 g 10 pcs / 11 Kgs / 2 CUFT

- Optional nozzle size: $\varnothing$ 1.2 mm, $\varnothing$ 1.6 mm, $\varnothing$ 1.8 mm, $\varnothing$ 2.0 mm
- Easy to use and clean
- Stainless steel needle
- Excellent atomization and finishing



ZYD5C

0.8 mm HVLP Spray Gun

- ▶ Air pressure (PSI): 30
Air inlet: 1/4"
Fluid inlet: M11 x 1.0
Air consumption L/Min (cfm): 114 (4)
Weight (Kg): 0.4
Capacity of cup (L): 1.25

500 g 20 pcs / 12 Kgs / 1.5 CUFT

- Optional nozzle size: $\varnothing$ 0.5 mm, $\varnothing$ 1.0 mm
- Stainless steel nozzle and needle
- Excellent atomization of both solvent and waterbased materials
- Used for spot repair to medium paint job



ZYD404TSG

1.0 mm HVLP Turbine Spray Gun

- ▶ Fluid Tip Size (mm): $\varnothing$ 1.0
Air pressure (PSI): 50-70
Air inlet: turbine system quick coupler
Fluid inlet: 3/8"
Air consumption L/Min (cfm): 310-370 (11-13)
Capacity of cup (L): 0.25

750 g 10 pcs / 8.5 Kgs / 1.9 CUFT

- Optional nozzle size: $\varnothing$ 0.8 mm, $\varnothing$ 1.4 mm, $\varnothing$ 1.8 mm
- Could be fitted with turbine system or mini-compressor
- Stainless steel nozzle and needle
- Lightweight



ZYD1000H

1.3 mm HVLP Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 1.5-2.0 (22-29)
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min: 350
Capacity of cup (L): 0.6



900 g 10 pcs / 10 Kgs / 1.93 CUFT

- Forged gun bod
- High transfer efficiency: reduce overspray and save painting cost
- Top quality spraying result makes this spray gun the ideal for manufacturing, building sector, and automotive industry
- Spray pattern: 300 mm
- Available size: ϕ 1.0 mm, ϕ 1.3 mm, ϕ 1.6 mm, ϕ 1.8 mm, ϕ 2.0 mm and ϕ 2.5 mm

ZYD1000M

1.3 mm Middle Pressure Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 1.5-2.0 (22-29)
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min: 280
Capacity of cup (L): 0.6



600 g 10 pcs / 10 Kgs / 1.93 CUFT

- Forged gun body
- Combine the advantages of HLVP and conventional spray gun: lower inlet pressure but high work rate
- Provide the finest result and still saves material at the same time
- Spray pattern: 250 mm
- Available size: ϕ 1.0 mm, ϕ 1.3 mm, ϕ 1.6 mm, ϕ 1.8 mm, ϕ 2.0 mm and ϕ 2.5 mm

ZYD1000B

2.5 mm Gravity Type Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 1.5-2.0 (22-29)
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min: 250
Capacity of cup (L): 0.6



600 g 10 pcs / 10 Kgs / 1.93 CUFT

- Forged gun body and new air cap design for finest atomization
- Suitable for polyester, filler or other high viscosity materials
- Can spray from small spot repairs to large surfaces
- Spray pattern: 190 mm

ZYD800

1.4 mm PPS HVLP Spray Gun

- ▶ Air pressure Kg/cm² (PSI): 3 (43)
Air inlet: 1/4"
Fluid inlet: M16 x 1.5
Air consumption L/Min (cfm): 250-320 (8.8-11.3)
Capacity of cup (L): 0.6



600 g 10 pcs / 7 Kgs / 2 CUFT

- Extremely lightness means about 40% lighter than similar size spray gun
- Excellent in water-borne materials
- High temperature resistance and chemical resistance

ZYD702

Airless Spray Gun

- ▶ Max. fluid working pressure: 3600 PSI
Fluid inlet: 1/4"



500 g 10 pcs / 7 Kgs / 0.8 CUFT

- High quality materials and construction

ZYD500

1.5 mm Automatic Spray Gun

- ▶ Working air pressure (Bar): 1.0-6.0
Air inlet: 1/4"
Fluid inlet: 3/8"
Control air pressure: min 4 bar
Material pressure: Max. 10 bar
Atomizing air: Max. 8 bar
Air consumption m³/h: 18.0-39.0



680 g 10 pcs / 10.5 Kgs / 0.6 CUFT

- Available nozzle sizes: ϕ 1.2 mm, ϕ 1.4 mm, ϕ 1.5 mm and ϕ 1.8 mm
- All parts that come into contact with the media are made of stainless steel
- Allowing water-based paints or aggressive media
- Automatically turns the atomizing air on and off in keeping with the material supply

ZYD602

Mold Release Spray Gun

- ▶ Length: 520 mm
Width: 140 mm
Tube length: 300 mm



900 g 10 pcs / 10 Kgs / 1.7 CUFT

- Iron gun body
- For forge and die-casting mold
- Twin heads spray head also available

ZYD690

Refillable Aerosol Spray Gun

- ▶ Air pressure: Up to 200 PSI
Capacity of refillable spray can: 0.6 L



150 g 50 pcs / 13 Kgs / 3.4 CUFT

- Rechargeable and non-polluting aerosol can
Fill with most liquids you wish to spray

ZYD302

Disposable Filter

40 g 24 pcs / 1.5 Kgs / 0.15 CUFT

- Collects in the spray gun and regulator



XKCO2A

16 Piece CO₂ Cartridge Set A-Type

- 5 pcs CO₂ cartridge 16 g
- 1 pc Steel adapter
- 1 pc Nylon regulator
- 1 pc Rubber solution 7.5 ml
- 5 pcs Tire seal 4"
- 1 pc Screw T tool
- 1 pc Reamer T tool
- 1 pc Diagonal pliers
- Package: nylon bag



730 g 20 sets / 15.5 Kgs / 0.95 CUFT

- All tools are very convenient to repair tires of motorcycle and bicycle

XKCO2B

16 Piece CO₂ Cartridge Set

- 5 pcs CO₂ cartridge 16 g
- 1 pc Steel adapter
- 1 pc Nylon regulator
- 1 pc Rubber solution 7.5 ml
- 5 pcs Tire seal 4"
- 1 pc Screw T tool
- 1 pc Reamer T tool
- 1 pc Multi-function pliers
- Package: nylon bag



730 g 20 sets / 15.5 Kgs / 0.95 CUFT

- All tools are very convenient to repair tires of motorcycle and bicycle

XKCO2C

17 Piece CO₂ Cartridge Set

- 3 pcs CO₂ cartridge 16 g
- 1 pc Steel adapter
- 1 pc Nylon regulator
- 1 pc Rubber solution 7.5 ml
- 6 pcs Cold patch 24 x 35 mm
- 1 pc Metal rasp
- 3 pcs Steel wrench
- 1 pc Diagonal pliers
- Package: nylon bag



730 g 20 sets / 15.5 Kgs / 0.95 CUFT

- All tools are very convenient to repair tires of bicycle

XKCO2D

5 Piece CO₂ Cartridge Set

- 3 pcs CO₂ cartridge 16 g
- 1 pc Steel adapter
- 1 pc Nylon regulator
- Package: nylon bag



730 g 20 sets / 15.5 Kgs / 0.95 CUFT

- All tools are very convenient to repair tires of bicycle

XK2001

12 Piece Rubber Solution Set

- 12 pcs 20 ml rubber solution



270 g 100 sets / 28 Kgs / 2.4 CUFT

XK2004A

25 Piece 8" Tire Seal Set

- 25 pcs 8" tire seal



220 g 100 sets / 23 Kgs / 2.1 CUFT

- Suitable for all kinds of speed tires

XK2004B

50 Piece 8" Tire Seal Set

- 50 pcs 8" tire seal



220 g 100 sets / 23 Kgs / 2.1 CUFT

- Suitable for tires of bicycle

XK2004C

50 Piece 4" Tire Seal Set

- 50 pcs 4" tire seal



220 g 100 sets / 23 Kgs / 2.1 CUFT

- Suitable for all kinds of speed tires

XKL24

25 Piece Cold Patch Set

- 24 pcs 52x34 mm cold patch
- 1 pc 20 ml rubber solution



80 g 200 sets / 16 Kgs / 1.7 CUFT

- All materials can be used to mend tire

XKM48

49 Piece Cold Patch Set

- 48 pcs 35x24 mm cold patch
- 1 pc 20 ml rubber solution



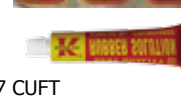
80 g 200 sets / 16 Kgs / 1.7 CUFT

- All materials can be used to mend tire

XK50

17 Piece Cold Patch Set

- 16 pcs 50 mm cold patch
- 1 pc 20 ml rubber solution



80 g 200 sets / 17.5 Kgs / 1.9 CUFT

- All materials can be used to mend tire

XK42

25 Piece Cold Patch Set

- 24 pcs 42 mm diameter
- 1 pc 20 ml rubber solution



80 g 200 sets / 17.5 Kgs / 1.9 CUFT

- All materials can be used to mend tire

XK32

37 Piece Cold Patch Set

- 36 pcs 32 mm diameter
- 1 pc 20 ml rubber solution



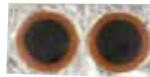
80 g 200 sets / 17.5 Kgs / 1.9 CUFT

- All materials can be used to mend tire

XK25

49 Piece Cold Patch Set

- ▶ 48 pcs 25 mm diameter
- 1 pc 20 ml rubber solution



80 g 200 sets / 17.5 Kgs / 1.9 CUFT

- All materials can be used to mend tire

XL6

8 Piece Cold Patch Set

- ▶ 6 pcs 52x34 mm cold patch
- 1 pc 20 ml rubber solution
- 1 pc metal rasp



50 g 288 sets / 16 Kgs / 3 CUFT

- All materials can be used to mend tire

XM12

14 Piece Cold Patch Set

- ▶ 12 pcs 35x24 mm cold patch
- 1 pc 20 ml rubber solution
- 1 pc metal rasp



50 g 288 sets / 16 Kgs / 3 CUFT

- All materials can be used to mend tire

XK2210

Steel T Shape Reamer Tool

- ▶ Steel made



400 g 50 pcs / 21 Kgs / 2.4 CUFT

- For the use of repairing tire

XK2211

Steel T Shape Screw Tool

- ▶ Steel made



400 g 50 pcs / 21 Kgs / 2.4 CUFT

- For the use of repairing tire

XK2214

Handle Shape Reamer Tool

- ▶ Steel made



90 g 200 pcs / 18.8 Kgs / 2.3 CUFT

- For the use of repairing tire

XK2215

Handle Shape Screw Tool

- ▶ Steel made



90 g 200 pcs / 18.8 Kgs / 2.3 CUFT

- For the use of repairing tire

XK2008

RTV Silicone

- ▶ 1 pc 85ml RTV Silicone

120 g 144 pcs / 18 Kgs / 2.9 CUFT

- Super high temperature silicone is the best choice for compel-tight, oil-envelope and combine closed purpose
- Resistant to acid, alkali
- It can reach 650°F intermittently



XK20081

Clear Sealant

- ▶ 1 pc 85ml Clear Sealant

120 g 144 pcs / 18 Kgs / 2.9 CUFT

- 100% silicone sealant offers excellent adhesion, weather ability and elasticity
- Most suitable for aluminum, glass, stainless steel, tholes, rubber and most plastics



XK20082

650°F Red RTV Silicone

- ▶ 1 pc 85ml 650F Red RTV Silicon

120 g 144 pcs / 18 Kgs / 2.9 CUFT

- Developed for the hot running engines found in most domestic and foreign cars
- Withstands temperatures from -73°C to 343°C (-100°F to 650°F) intermittent
- Pressure resistance: 5000 PSI
- Makes any size or shaped gasket immediately
- Ideal for timing covers, valve covers, oil pans, intake manifolds, exhaust manifolds and water pumps
- Pressure & Vibration Resistant Fast Cure & Guarantee No Leak



XK20083

625°F Black RTV Silicone

- ▶ 1 pc 85ml 650F Red RTV Silicon

120 g 144 pcs / 18 Kgs / 2.9 CUFT

- Specially designed for oxy-sensor engines
- It forms any size or shaped gasket which is resistant to both high temperatures and high pressures
- Resists cracking, shrinkage and migration caused by thermal cycling
- Withstands temperatures from -62°C to 329°C (-80°F to 625°F) intermittent
- Ideal for timing covers, valve covers, oil pans, intake manifolds, exhaust manifolds and water pumps
- Dries securely as gasket



XK20084

650°F Gray RTV Silicone

- ▶ 1 pc 85ml 650F Red RTV Silicon

120 g 144 pcs / 18 Kgs / 2.9 CUFT

- Developed for the hot running engines found in most domestic and foreign cars
- Withstands temperatures from -73°C to 343°C (-100°F to 650°F) intermittent
- Pressure resistance: 5000 PSI
- Makes any size or shaped gasket immediately
- Ideal for timing covers, valve covers, oil pans, intake manifolds, exhaust manifolds and water pumps
- Oxygen Sensor Safe
- Low Volatile



ZW5313X 13-Drawer Roll-Wagon



	Width	Depth	Height	
OVERALL	53	18	38-5/8	in.
	1358	460	980	mm
OVERALL	53	18	45-1/4	in.
W/ 6" CASTERS	1358	460	1150	mm
10 DRAWERS	22-5/8	15	2-15/16	in.
	576	380	75	mm
2 DRAWERS	22-5/8	15	6	in.
	576	380	154	mm
1 DRAWER	47-13/16	15	6-13/16	in.
	1215	380	173	mm

166 Kgs 1 pc / 180 Kgs / 31.54 CUFT

- Ball bearing slides
- Steel thickness:
 - Top and bottom covers: 1.5 mm
 - Body: 1.2 mm
 - Drawer: 1.0 mm

ZW42S7X 7-Drawer Roll-Wagon



	Width	Depth	Height	
OVERALL	42	18	38-5/8	in.
	1070	460	980	mm
OVERALL	42	18	45-1/4	in.
W/ 6" CASTERS	1070	460	1150	mm
5 DRAWERS	22-5/8	15	2-15/16	in.
	576	380	75	mm
1 DRAWER	22-5/8	15	2-15/16	in.
	576	380	75	mm
1 DRAWER	36-1/2	15	6-13/16	in.
	927	380	173	mm
PANEL AREA	12-1/2	15-7/8	21-13/16	in.
	317.5	404	554	mm

129 Kgs 1 pc / 139 Kgs / 25 CUFT

- Ball bearing slides
- Steel thickness:
 - Top and bottom covers: 1.5 mm
 - Body: 1.2 mm
 - Drawer: 1.0 mm

ZE2224BXG 4-Drawer Top Chest



	Width	Depth	Height	
OVERALL	26	12	14-11/16	in.
	660	307	374	mm
3 DRAWERS	22-3/8	10-13/16	1-15/16	in.
	569	275	50	mm
1 DRAWER	22-3/8	10-13/16	2-15/16	in.
	569	275	75	mm

21 Kgs 1 pc / 24 Kgs / 3.97 CUFT

- Ball bearing slides
- Steel thickness: Body : 0.8 mm
Drawer : 0.7 mm

ZE3335BX 5-Drawer Top Chest



	Width	Depth	Height	
OVERALL	26	17-15/16	19	in.
	660	455	483	mm
2 DRAWERS	22-5/8	16	1-7/8	in.
	576	410	48.5	mm
3 DRAWERS	22-5/8	16	2-15/16	in.
	576	410	75	mm

40 Kgs 1 pc / 49 Kgs / 8.58 CUFT

- Ball bearing slides
- Steel thickness: Top & bottom covers: 1.0 mm
Body: 1.2 mm
Drawer: 1.0 mm

ZI3X 3-Drawer Middle Chest



	Width	Depth	Height	
OVERALL	26	12	9-7/8	in.
	660	307	251	mm
2 DRAWERS	22-3/8	10-13/16	1-15/16	in.
	569	275	50	mm
1 DRAWER	22-3/8	10-13/16	2-15/16	in.
	569	275	75	mm

13 Kgs 1 pc / 15.5 Kgs / 2.6 CUFT

- Ball bearing slides
- Steel thickness: Body: 0.8 mm
Drawer: 0.7 mm

ZT281X 1-Drawer Trolley



	Width	Depth	Height	
OVERALL	28	16	29-5/8	in.
	716	410	752	mm
OVERALL	28	16	34-5/8	in.
W/ 4" CASTERS	716	410	880	mm
1 DRAWER	22-3/8	10-13/16	2-15/16	in.
	569	275	75	mm

23.2 Kgs 1 pc / 24.6 Kgs / 2.75 CUFT

- Ball bearing slides
- Steel thickness: Pillar: 2.0 mm
Shelf: 1.0 mm
Drawer: 0.7 mm

• TOOL STORAGE •

ZHW27256X 6-Drawer Industrial Heavy Duty Cabinet



	Width	Depth	Height	
OVERALL	26	25	37-1/2	in.
	670	640	935	mm
5 DRAWERS	22-3/16	22-1/16	3-3/4	in.
	564	560	97	mm
1 DRAWER	22-3/16	22-1/16	7-3/4	in.
	569	560	199	mm

107 Kgs 1 pc / 116 Kgs / 17.6 CUFT

- Ball bearing slides
- Steel thickness:
 - Top & bottom: 1.2 mm
 - Drawer: 1.2 mm
 - Body: 1.0 mm
- Patented design anti-inclination and internal locking device
- One piece steel of cabinet body provides more strength to whole one unit body structure
- 76 mm heavy duty 100% drawer open ball bearing slide
- 2 mm protective drawer liners
- Powder coating finishing
- Each drawer loading capacity: 200 Kgs
- With 1 pc top particle board

ZHW27257X 7-Drawer Industrial Heavy Duty Cabinet



	Width	Depth	Height	
OVERALL	26	25	44-1/2	in.
	670	640	1135	mm
5 DRAWERS	22-3/16	22-1/16	3-3/4	in.
	564	560	97	mm
2 DRAWER	22-3/16	22-1/16	7-3/4	in.
	569	560	199	mm

129 Kgs 1 pc / 139 Kgs / 25 CUFT

- Ball bearing slides
- Steel thickness:
 - Top & bottom: 1.2 mm
 - Drawer: 1.2 mm
 - Body: 1.0 mm
- Patented design anti-inclination and internal locking device
- One piece steel of cabinet body provides more strength to whole one unit body structure
- 76 mm heavy duty 100% drawer open ball bearing slide
- 2 mm protective drawer liners
- Powder coating finishing
- Each drawer loading capacity: 200 Kgs
- With 1 pc top particle board

ZW263PX 3-Drawer Roll-Wagon



	Width	Depth	Height	
OVERALL	26	18	25-11/16	in.
	670	460	654	mm
OVERALL	26	18	30-1/2	in.
W/ 4" CASTERS	670	460	777	mm
2 DRAWERS	22-5/8	15	2-15/16	in.
	576	380	75	mm
1 DRAWER	22-5/8	15	6	in.
	576	380	154	mm
PANEL AREA	23-11/16	15-7/8	9-1/4	in.
	603	404	234	mm

43.4 Kgs 1 pc / 50.4 Kgs / 10 CUFT

- Ball bearing slides
- Steel thickness:
 - Top & bottom covers: 1.2 mm
 - Body: 1.0 mm
 - Drawer: 1.0 mm

ZW266XLG 6-Drawer Roll-Wagon



	Width	Depth	Height	
OVERALL	26	18	31-7/8	in.
	670	460	812	mm
OVERALL	26	18	37-11/16	in.
W/ 5" CASTERS	670	460	960	mm
3 DRAWERS	22-5/8	15	2-15/16	in.
	576	380	75	mm
3 DRAWER	22-5/8	15	6	in.
	576	380	154	mm

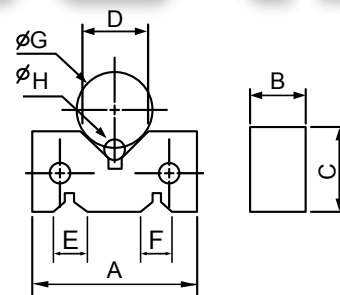
61 Kgs 1 pc / 69 Kgs / 12.24 CUFT

- Ball bearing slides
- Steel thickness:
 - Top & bottom covers: 1.2 mm
 - Body: 1.0 mm
 - Drawer: 1.0 mm

Vee Blocks

Item No.	A	B mm	C mm	D mm	E mm	F mm	øG x øH mm
ZVK3301A4	4" (100mm)	33	52	50	30	20	68 x 7

1760 g 8 sets / 14.6 Kgs / 0.21 CUFT

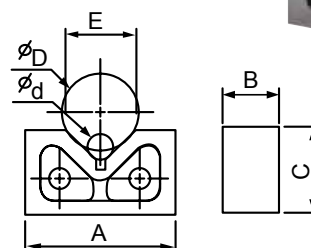


- Made of high tensile casting, stress relieved, seasoned against distortion
- Ideal tools for layout, inspection and machining
- Supplied in matched pairs & numbered
- Equality of each matched pair in good standard

Vee Blocks

Item No.	A	B mm	C mm	E mm	øD x ød mm
ZVK3302B4	4" (100mm)	38	60	48	65 x 7
ZVK3302B5	5" (125mm)	46	79	58	80 x 8
ZVK3302B6	6" (150mm)	57	88	80	110 x 10

ZVK3302B4 2000 g 8 sets / 17.5 Kgs / 0.34 CUFT
 ZVK3302B5 4000 g 4 sets / 17.0 Kgs / 0.30 CUFT
 ZVK3302B6 6300 g 4 sets / 27.0 Kgs / 0.43 CUFT

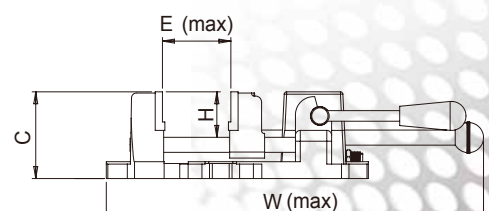


- Made of high tensile casting, stress relieved, seasoned against distortion
- Ideal tools for layout, inspection and machining
- Supplied in matched pairs & numbered
- Can be used as a square gauge for its high squareness accuracy
- Equality of each matched pair in good standard

Quick Grip Drill Press Vise

Item No.	Jaw Width mm	C mm	Jaw Opening (E)	Jaw Depth (H) mm	W mm
ZVK1033	78	72	3" (75mm)	38	336
ZVK1034	104	86	4" (100mm)	42	435
ZVK1036	156	100	6" (150mm)	51	574
ZVK1038	204	111	8" (200mm)	53	678

ZVK1033 3.5 Kgs 6 pcs / 23.0 Kgs / 0.86 CUFT
 ZVK1034 6.1 Kgs 4 pcs / 25.9 Kgs / 1.00 CUFT
 ZVK1036 13.2 Kgs 2 pcs / 29.5 Kgs / 1.26 CUFT
 ZVK1038 18.7 Kgs 1 pc / 20.5 Kgs / 0.91 CUFT

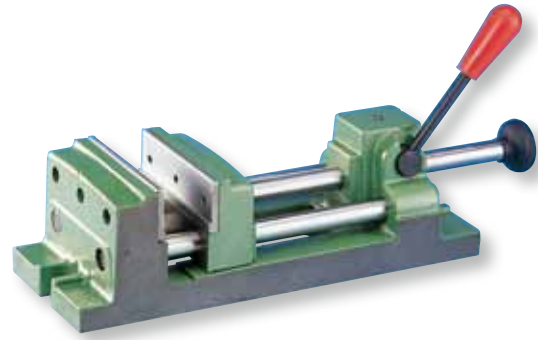


- Made of high tensile casting, stress relieved
- Leaver actuated locking mechanism, hardened and ground
- Instant setting by sliding steel bar
- Recessed jaw plates for convenient leveling of work piece

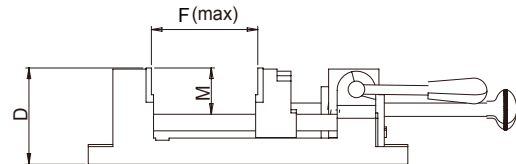
Quick Grip Drill Press Vise

Item No.	Jaw Width mm	D mm	Jaw Opening(F) mm	Jaw Depth (M) mm
ZVK103A3	85	76	3" (75mm)	38
ZVK103A4	108	90	4" (100mm)	42

ZVK103A3	4700 g	6 pcs / 29.2 Kgs / 0.71 CUFT
ZVK103A4	8000 g	3 pcs / 25.0 Kgs / 0.64 CUFT



- Made of high tensile casting, stress relieved
- Leaver actuated locking mechanism, hardened and ground
- Instant setting by sliding steel bar
- Recessed jaw plates for convenient leveling of work piece



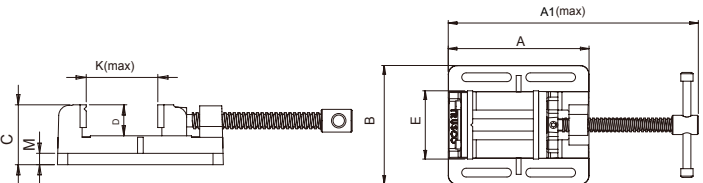
Central Sliding Bar Type

Item No.	A mm	A1 mm	B mm	C mm	D mm	Jaw width (E) mm	Jaw opening (K) mm	M mm
ZVK106A3	160	295	136	58	30	3" (75mm)	3" (75mm)	11
ZVK106A4	181	340	160	63	32	4" (100mm)	4" (100mm)	11
ZVK106A5	226	415	194	71	38	5" (125mm)	5" (125mm)	12
ZVK106A6	255	465	224	80	40	6" (150mm)	6" (150mm)	13

ZVK106A3	2650 g	6 pcs / 17.00 Kgs / 0.80 CUFT
ZVK106A4	3500 g	6 pcs / 22.00 Kgs / 0.90 CUFT
ZVK106A5	5750 g	4 pcs / 25.00 Kgs / 0.94 CUFT
ZVK106A6	8000 g	2 pcs / 17.35 Kgs / 0.77 CUFT



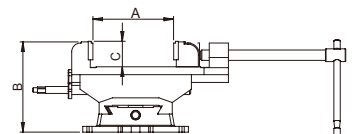
- Central sliding bar makes the movable jaw more workable
- Four bolt lugs for rigid mounting to machine table
- Suitable for drill press use
- Replaceable steel jaws
- Central sliding bar type solves the movable jaw frequent loosen problem and brings the clamping accuracy to high level



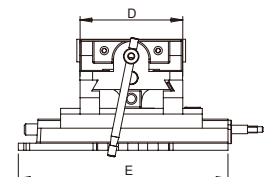
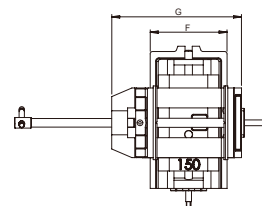
Cross Vise

Item No.	Jaw Opening (A) mm	B mm	Jaw Depth (C) mm	Jaw Width (D) mm	E mm	F mm	G mm
ZVK1073	3"(75mm)	120	28	80	216	99	164
ZVK1074	4"(100mm)	134	38	100	244	123	201
ZVK1075	5"(125mm)	145	40	124	255	136	238
ZVK1076	6"(150mm)	156	44	145	296	160	270

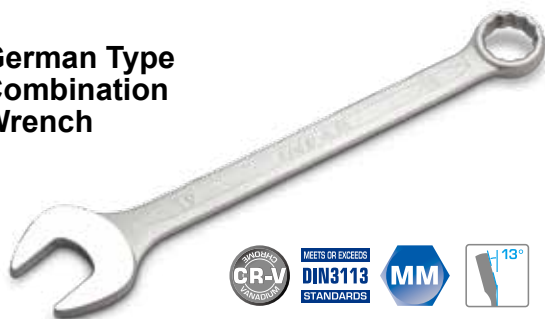
ZVK1073	6.3 Kgs	4 pcs / 27.2 Kgs / 1.56 CUFT
ZVK1074	9.4 Kgs	2 pcs / 20.3 Kgs / 1.00 CUFT
ZVK1075	13.0 Kgs	2 pcs / 27.7 Kgs / 1.24 CUFT
ZVK1076	16.9 Kgs	1 pcs / 17.5 Kgs / 0.80 CUFT



- Accurate machine & assembling
- Accurate parallelism & squariness on both way
- Replaceable steel jaws
- This vise can be set at any place on the machine table and to drill multiple holes accurately on the X-Y axis
- Suitable for clamping soft materials such as wood, aluminum, copper, etc



German Type Combination Wrench



Item No.	Size mm	Wt. g	L mm	Item No.	Size mm	Wt. g	L mm
WGC06M	6	15	100	WGC26M	26	310	300
WGC07M	7	20	110	WGC27M	27	380	310
WGC08M	8	20	120	WGC28M	28	490	340
WGC09M	9	30	130	WGC29M	29	490	340
WGC10M	10	35	140	WGC30M	30	490	340
WGC11M	11	45	150	WGC32M	32	550	360
WGC12M	12	50	160	WGC33M	33	670	380
WGC13M	13	65	170	WGC34M	34	640	380
WGC14M	14	80	180	WGC35M	35	800	410
WGC15M	15	90	190	WGC36M	36	810	410
WGC16M	16	100	200	WGC38M	38	960	430
WGC17M	17	120	210	WGC41M	41	1260	460
WGC18M	18	140	220	WGC42M	42	1260	460
WGC19M	19	160	230	WGC45M	45	1660	500
WGC20M	20	170	240	WGC46M	46	1630	500
WGC21M	21	200	250	WGC48M	48	2070	540
WGC22M	22	220	260	WGC50M	50	2070	540
WGC23M	23	210	260				
WGC24M	24	280	280				
WGC25M	25	320	290				

- 13° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Matt finish surface

WGCM8

8 Piece Metric Combination Wrench Set

- ▶ 8, 10, 12, 13, 14, 17, 19, 22 mm

820 g 20 sets / 17.4 Kgs / 1.90 CUFT



WGCM12

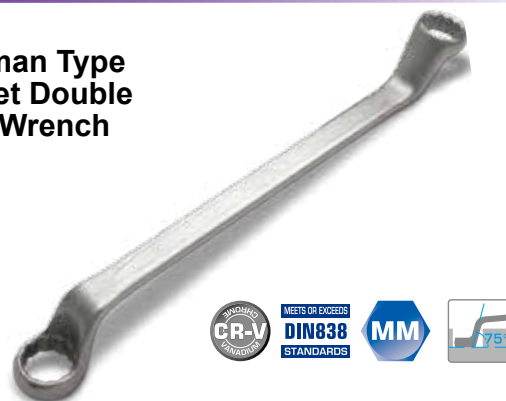
12 Piece Metric Combination Wrench Set

- ▶ 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 22 mm

1250 g 10 sets / 13.5 Kgs / 1.51 CUFT



German Type Offset Double Box Wrench



Item No.	Size mm	Wt. g	L mm
WGOD0607M	6x7	45	170
WGOD0809M	8x9	70	182
WGOD0810M	8x10	80	190
WGOD1011M	10x11	90	197
WGOD1113M	11x13	130	213
WGOD1213M	12x13	130	213
WGOD1214M	12x14	120	213
WGOD1415M	14x15	160	228
WGOD1617M	16x17	190	246
WGOD1719M	17x19	240	265
WGOD1819M	18x19	240	265
WGOD1922M	19x22	310	288
WGOD2022M	20x22	320	288
WGOD2122M	21x22	350	310
WGOD2123M	21x23	350	310
WGOD2425M	24x25	480	330
WGOD2426M	24x26	480	330
WGOD2427M	24x27	480	330
WGOD2528M	25x28	550	348
WGOD2730M	27x30	660	372
WGOD2732M	27x32	660	372
WGOD3032M	30x32	640	372

- 75° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Superior life-time test
- Matt finish surface

WGODM8

8 Piece Metric Offset Double Box Wrench Set

- ▶ 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm

1430 g 10 sets / 15.3 Kgs / 1.13 CUFT



Stubby Combination Wrench



Item No.	Size mm	Wt. g	L mm	Item No.	Size inch	Wt. g	L mm
WSC08M	8	20	91	WSC10S	5/16	20	91
WSC09M	9	30	96	WSC12S	3/8	35	96
WSC10M	10	30	96	WSC14S	7/16	40	100
WSC11M	11	35	100	WSC16S	1/2	50	108
WSC12M	12	45	104	WSC18S	9/16	60	114
WSC13M	13	50	108	WSC20S	5/8	85	122
WSC14M	14	65	114	WSC22S	11/16	95	128
WSC15M	15	75	118	WSC24S	3/4	120	139
WSC17M	17	100	128	WSC26S	13/16	150	146
WSC18M	18	110	132	WSC28S	7/8	170	156
WSC19M	19	120	139	WSC30S	15/16	260	165
WSC20M	20	150	146				
WSC21M	21	150	146				
WSC22M	22	170	156				
WSC23M	23	190	156				
WSC24M	24	260	165				

- 15° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Mirror finish surface

WSCS7

7 Piece S.A.E Stubby Combination Wrench Set

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

690 g 20 sets / 14.8 Kgs / 1.56 CUFT



WSCM7

7 Piece Metric Stubby Combination Wrench Set

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

690 g 20 sets / 14.5 Kgs / 1.56 CUFT



Flex Head Geartech[®] Combination Wrench



Item No.	Size inch	Wt. g	L mm	Item No.	Size mm	Wt. g	L mm
WFGC08S	1/4	40	136	WFGC11M	11	80	168
WFGC10S	5/16	40	136	WFGC12M	12	90	174
WFGC12S	3/8	65	160	WFGC13M	13	110	180
WFGC14S	7/16	75	168	WFGC14M	14	130	193
WFGC16S	1/2	100	180	WFGC15M	15	160	200
WFGC18S	9/16	130	193	WFGC16M	16	180	216
WFGC20S	5/8	180	216	WFGC17M	17	210	233
WFGC22S	11/16	200	233	WFGC18M	18	230	239
WFGC24S	3/4	260	250	WFGC19M	19	270	250
WFGC26S	13/16	400	285	WFGC20M	20	390	285
WFGC28S	7/8	390	285	WFGC21M	21	400	285
WFGC30S	15/16	550	325	WFGC22M	22	400	285
WFGC32S	1	540	325	WFGC23M	23	390	285
WFGC34S	1-1/16	660	359	WFGC24M	24	550	325
WFGC36S	1-1/8	1100	425	WFGC25M	25	550	325
WFGC40S	1-1/4	1100	425	WFGC26M	26	520	325
				WFGC27M	27	660	359
				WFGC28M	28	660	359
				WFGC30M	30	1100	425
				WFGC32M	32	1100	425

- Flex head tiles 180° at any interval with continuous head tension
- 72-teeth needs as little as 5° to move fastener while a regular wrench need 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Small head profile
- Mirror finish surface

WFGCS7

7 Piece S.A.E. Flex Head Geartech[®] Combination Wrench Set

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

1000 g 20 sets / 21 Kgs / 2.12 CUFT



WFGCM7

7 Piece Metric Flex Head Geartech[®] Combination Wrench Set

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

1000 g 20 sets / 21 Kgs / 2.12 CUFT



Reversible Geartech® Combination Wrench



Item No.	Size inch	Wt. g	L mm	Item No.	Size mm	Wt. g	L mm
WRGC08S	1/4	30	136	WRGC11M	11	70	168
WRGC10S	5/16	35	136	WRGC12M	12	80	174
WRGC12S	3/8	60	159	WRGC13M	13	100	180
WRGC14S	7/16	70	168	WRGC14M	14	120	189
WRGC16S	1/2	100	180	WRGC15M	15	130	200
WRGC18S	9/16	120	189	WRGC16M	16	160	216
WRGC20S	5/8	160	216	WRGC17M	17	190	232
WRGC22S	11/16	190	232	WRGC18M	18	200	239
WRGC24S	3/4	240	247	WRGC19M	19	240	247
WRGC26S	13/16	350	284	WRGC20M	20	340	284
WRGC28S	7/8	330	284	WRGC21M	21	340	284
WRGC30S	15/16	470	324	WRGC22M	22	340	284
WRGC32S	1	460	324	WRGC23M	23	370	284
WRGC34S	1-1/16	630	359	WRGC24M	24	510	324
WRGC36S	1-1/8	960	425	WRGC25M	25	470	324
WRGC40S	1-1/4	920	425	WRGC26M	26	510	324
Item No.	Size mm	Wt. g	L mm	WRGC27M	27	630	359
WRGC06M	6	30	136	WRGC28M	28	660	359
WRGC07M	7	30	136	WRGC30M	30	940	425
WRGC08M	8	35	136	WRGC32M	32	900	425
WRGC09M	9	45	143				
WRGC10M	10	55	159				

- Compact reversible switch enables Geartech® wrench to move from either direction (clockwise or counterclockwise) without sacrificing overall compact surface of box end
- 72-teeth needs as little as 5° to move fastener while a regular wrench needs 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- 15° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue
- Professional plating prevents wrenches from corrosion
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Small head profile
- Superior life-time test
- Mirror finish surface

WRGCS7 7 Piece S.A.E. Reversible Geartech® Combination Wrench Set

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

1000 g 20 sets / 21.0 Kgs / 2.12 CUFT

WRGCM7 7 Piece Metric Reversible Geartech® Combination Wrench Set

- ▶ 8, 10, 12, 13, 14, 17, 19 mm

1000 g 20 sets / 21.0 Kgs / 2.12 CUFT

Reversible Geartech® Double Box Wrench



Item No.	Size inch	Wt. g	L mm
WRGD1012S	5/16x3/8	50	128
WRGD1214S	3/8x7/16	70	150
WRGD1416S	7/16x1/2	100	170
WRGD1820S	9/16x5/8	150	190
WRGD2224S	11/16x3/4	230	230

Item No.	Size mm	Wt. g	L mm
WRGD0809M	8x9	50	128
WRGD0810M	8x10	50	128
WRGD1011M	10x11	70	150
WRGD1113M	11x13	100	170
WRGD1213M	12x13	100	170
WRGD1415M	14x15	150	190
WRGD1416M	14x16	150	190
WRGD1618M	16x18	230	230
WRGD1719M	17x19	230	230

- Compact reversible switch enables Geartech® wrench to move from either direction (clockwise or counterclockwise) without sacrificing overall compact surface of box end
- 72-teeth needs as little as 5° to move fastener while a regular wrench needs 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- 15° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Small head profile
- Superior life-time test
- Mirror finish surface

WRGDS4 4 Piece S.A.E. Reversible Geartech® Double Box Wrench Set

- ▶ 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

640 g 20 sets / 13.7 Kgs / 1.54 CUFT

WRGDM6 6 Piece Metric Reversible Geartech® Double Box Wrench Set

- ▶ 8x9, 10x11, 12x13, 14x15, 16x18, 17x19 mm

1000 g 20 sets / 21.0 Kgs / 1.82 CUFT

• WRENCHES •

Extra Long Geartech® Combination Wrench



Item No.	Size inch	Wt. g	L mm	Item No.	Size mm	Wt. g	L mm
WXLGC10S	5/16	35	150	WXLGC08M	8	35	150
WXLGC12S	3/8	60	180	WXLGC09M	9	50	165
WXLGC14S	7/16	75	195	WXLGC10M	10	60	180
WXLGC16S	1/2	110	220	WXLGC11M	11	75	195
WXLGC18S	9/16	130	235	WXLGC12M	12	80	207
WXLGC20S	5/8	180	260	WXLGC13M	13	110	220
WXLGC22S	11/16	210	275	WXLGC14M	14	130	235
WXLGC24S	3/4	260	305	WXLGC15M	15	150	250
				WXLGC16M	16	180	260
				WXLGC17M	17	210	270
				WXLGC18M	18	220	290
				WXLGC19M	19	260	305

- Extra long panel helps to reach deeper space
- 72-teeth needs as little as 5° to move fastener while a regular wrench needs 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Small head profile
- Superior life-time test
- Mirror finish surface

WXLGCS8 8 Piece S.A.E. Extra Long Geartech® Combination Wrench Set

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

1000 g 10 sets / 11.0 Kgs / 1.78 CUFT



WXLGCM10 10 Piece Metric Extra Long Geartech® Combination Wrench Set

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

1750 g 10 sets / 18.5 Kgs / 2.08 CUFT



Extra Long L-Type Geartech® Double Box Wrench



Item No.	Size inch	Wt. g	L mm	Item No.	Size mm	Wt. g	L mm
WXLGD10S	5/16	60	222	WXLGD08M	8	60	222
WXLGD12S	3/8	85	242	WXLGD09M	9	70	227
WXLGD14S	7/16	100	252	WXLGD10M	10	90	242
WXLGD16S	1/2	140	286	WXLGD11M	11	100	252
WXLGD18S	9/16	170	306	WXLGD12M	12	120	268
WXLGD20S	5/8	240	349	WXLGD13M	13	140	286
WXLGD22S	11/16	290	374	WXLGD14M	14	170	306
WXLGD24S	3/4	360	397	WXLGD15M	15	200	324
				WXLGD16M	16	240	349
				WXLGD17M	17	290	374
				WXLGD18M	18	320	385
				WXLGD19M	19	360	397

- Extra long panel helps to reach deeper space
- 72-teeth needs as little as 5° to move fastener while a regular wrench needs 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Small head profile
- Superior life-time test
- Mirror finish surface

WXLGDS7 7 Piece S.A.E. Extra Long L-Type Geartech® Double Box Wrench Set

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

1500 g 10 sets / 16 Kgs / 1.14 CUFT



WXLGDM7 7 Piece Metric Extra Long L-Type Geartech® Double Box Wrench Set

- ▶ 10, 12, 13, 14, 15, 17, 19 mm

1500 g 10 sets / 16 Kgs / 1.14 CUFT



4-in-1 Reversible Geartech® Double Box Wrench



Item No.	L/Size inch	R/Size inch	Wt. g	L mm
W41RGD1S	7/16 x 1/2	5/16 x 3/8	95	160
W41RGD2S	11/16 x 3/4	9/16 x 5/8	260	230

Item No.	L/Size mm	R/Size mm	Wt. g	L mm
W41RGD1M	12 x 13	8 x 10	95	160
W41RGD2M	14 x 15	9 x 11	130	180
W41RGD3M	18 x 19	16 x 17	260	230

- Compact reversible switch endbles Geartech® Wrench to move from either direction (clockwise or counterclockwise) without sacrificing overall compact surface of box end
- 72-teeth needs as little as 5° to move fastener while a regular wrench need 30° of sweep space
- Specially designed for working on aircraft studbolts, automotive engine and confined space
- Professional plating prevents wrenches from corrosion
- Made by heat-treated Chrome Vanadium steel for strength exceeding international specifications
- Small head profile
- Superior life-time test
- Mirror finish surface

W41RGDS2

2 Piece S.A.E. 4-in-1 Reversible Geartech® Double Box Wrench Set

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

410 g 50 sets / 21.5 Kgs / 1.55 CUFT

W41RGDM3

3 Piece Metric 4-in-1 Reversible Geartech® Double Box Wrench Set

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

540 g 30 sets / 17.1 Kgs / 1.65 CUFT

Construction Wrench



Item No.	Size mm	Wt. g	L mm
WCW1012M	10x12	170	225
WCW1013M	10x13	180	225
WCW1113M	11x13	170	225
WCW1214M	12x14	170	225
WCW1317M	13x17	270	267
WCW1417M	14x17	260	310
WCW1719M	17x19	430	310
WCW1721M	17x21	420	310
WCW1722M	17x22	430	310
WCW1921M	19x21	420	310
WCW1922M	19x22	430	310
WCW1924M	19x24	750	365
WCW2123M	21x23	720	365
WCW2126M	21x26	720	365
WCW2224M	22x24	750	365
WCW2326M	23x26	750	365
WCW2427M	24x27	730	365
WCW2430M	24x30	1210	400
WCW2730M	27x30	1210	400
WCW2732M	27x32	1210	400
WCW3032M	30x32	1180	400
WCW3236M	32x36	1480	445

- Best design for construction work
- Strong torque for heavy duty work
- Made by heat-treated forged alloy steel strength exceeding international specifications
- Professional plating prevents wrenches from corrosion
- Superior life-time test
- Matt finish surface

WTSET5

5 Piece Metric Finger Ratchet Set

- ▶ 2 pcs finger ratchets: 10, 13 mm
- 2 pcs quick release adapters:
1/4" Dr. x 10 mm
3/8" Dr. x 13 mm
- 1 pc bit adapter: 1/4" hex x 10 mm

210 g 100 sets / 22 Kgs / 2.78 CUFT