

2pc 1/4"DR. Torque driver set



64703

40/15.7/16.7/0.5' 393g

	1pc	1-5 Nm (64721605)
	1pc	1/4"DR.x1/4"(F)

64703A

40/15.7/16.7/0.5' 393g

Changed items		
	1pc	2-8 Nm (64721608)

47pc 1/4"DR. Torque driver set



K64706

24/21.1/22.1/1.5' 905g

	4pc	1/4" PH.0; PH.1; PH.2; PH.3 (25mmL)
	4pc	1/4" PZ.0; PZ.1; PZ.2; PZ.3 (25mmL)
	5pc	1/4" 3; 4; 5; 5.5; 6.5 mm (25mmL)
	6pc	1/4" 1.5; 2; 3; 4; 5; 6 mm (25mmL)
	3pc	1/4" 1; 2; 3 mm (25mmL)
	11pc	1/4" T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40 (25mmL)
	11pc	1/4" T-6H; T-7H; T-8H; T-9H; T-10H; T-15H; T-20H; T-25H; T-27H; T-30H; T-40H (25mmL)
	1pc	1-5 Nm (64721605)
	1pc	4"(100mm)
	1pc	1/4"DR.x1/4"(F)

K64706S

24/20.9/21.9/1.5' 905g

Changed items		
	1pc	10-50 Inch-lb (64721605S)

9pc 1/2"DR. Wheel specialized torque tool set



64707

1/13.5/14.5/1.4' 13.5kg

	3pc	44585 17C...21C	Wheel nut 6pt. flank impact socket 17; 19; 21 mm (85mmL)
	1pc	6474088N	Torque wrench 88 Nm
	1pc	6474108N	Torque wrench 108 Nm
	1pc	6474135N	Torque wrench 135 Nm
	1pc	6474163N	Torque wrench 163 Nm
	1pc	6474190N	Torque wrench 190 Nm
	1pc	681A300	Assembly wheel nut wrench 17; 19; 13/16"; 1/2"DR. (300mmL)

11pc 3/8"DR. Torque wrench set


64701L

12/20.4/21.4/0.85' 1700g

		6pc	10; 12; 14; 17; 19; 21 mm
		4pc	4; 5; 6; 8 mm (50mmL)
		1pc	20-110 Nm, 380mmL (6473380)

11pc 1/2"DR. Torque wrench set


64702L

6/18.0/19.0/0.96' 3016g

		6pc	17; 19; 21; 22; 24; 27 mm
		4pc	6; 8; 10; 12 mm (55mmL)
		1pc	40-210 Nm, 535mmL (6474535)

8pc Head-interchangeable torque wrench & spanner set


64709

4/15.7/16.7/0.78' 3925g

647B210	1pc	Torque wrench 40-210 Nm (14x18mm)
685C14	7pc	Single hook spanner head (14x18mm)
32...82		32; 43; 50; 60; 63.2; 72; 82 mm

10pc Head-interchangeable torque wrench & spanner set


64710

10/15.2/15.8/1.29' 1520g

647B030	1pc	Torque wrench 6-30 Nm (9x12mm)
647H209	1pc	1/4"DR. Ratchet head 24teeth (9x12mm)
68509	8pc	Spanner head (9x12mm)
07...14		7; 8; 9; 10; 11; 12; 13; 14 mm

12pc Head-interchangeable torque wrench & spanner set



64711

6/13.0/13.6/1.14'  2230g

647B110	1pc	Torque wrench 20-110 Nm (9x12mm)
647H309	1pc	3/8"DR. Ratchet head 24teeth (9x12mm)
68509	10pc	Spanner head (9x12mm)
10...19		10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

11pc Head-interchangeable torque wrench & spanner set



64712

30/23.0/24.0/0.74'  2230g

647B015	1pc	Torque wrench 3-15 Nm (9x12mm)
647H209	1pc	1/4"DR. Ratchet head 24teeth (9x12mm)
685E09	9pc	Spanner head (9x12mm)
051...069		5.1; 5.8; 6.1; 6.3; 6.4; 6.5; 6.7; 6.9 mm; 6 pt. Spline

8pc Head-interchangeable torque wrench & spanner set



64704

6/19.5/20.5/1.2'  3250g

647B080	1pc	Torque wrench 10-80 Nm (14x18mm)
647H414A	1pc	1/2"DR. Ratchet head 24teeth (14x18mm) (small, width 36mm)
68514	6pc	Spanner head (14x18mm)
17...29		17; 22; 24; 26; 27; 29 mm

11pc Head-interchangeable torque wrench & spanner set



64705

4/17.7/18.7/0.96'  4425g

647B210	1pc	Torque wrench 40-210 Nm (14x18mm)
647H414	1pc	1/2"DR. Ratchet head 24teeth (14x18mm)
68514	9pc	Spanner head (14x18mm)
13...30		13; 14; 15; 17; 19; 22; 24; 27; 30 mm

15pc Head-interchangeable torque wrench & spanner set

NEW

64716

30/23.0/24.0/0.74' 2230g

647B210	1pc	Torque wrench 40-210 Nm (14x18mm)
647H414	1pc	1/2"DR. Ratchet head 24teeth (14x18mm)
68514	13pc	Spanner head (14x18mm)
13...32		13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32

15pc Head-interchangeable torque wrench & spanner set

NEW

64717

30/23.0/24.0/0.74' 2230g

647B210	1pc	Torque wrench 40-210 Nm (14x18mm)
647H414	1pc	1/2"DR. Ratchet head 24teeth (14x18mm)
685A14	13pc	Spanner head (14x18mm)
13...32		13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32

1/4"DR. Torque driver


647216

Part no.	Capacity	packing	g
	Nm		
64721602	0.4-2	100/18.0/18.8/1.02'	130
64721605	1-5	30/11.7/12.3/1.0'	280
64721608	2-8	30/13.2/13.8/1.0'	280
64721610	2-10	30/13.6/14.0/0.96'	452
Part no.	Inch-lb	packing	g
64721605S	10-50	24/20.9/21.9/1.5'	905

3/8"DR. Preset torques wrench


647...P

Part no.	Capacity	<i>l</i> mm	g
	Nm		
647318P	18	245	410
647324P	24	245	410

Tone control torques wrench

NEW

TORQUE



647...K	Capacity	<i>l</i>		
Part no.	Nm	mm	packing	g
6472275K	1/4"DR. 5-25	275	24/19.4/20.3/1.62'	595
6473275K	3/8"DR. 5-25	275	24/20.4/21.3/1.62'	595
6473370K	20-110	370	24/25.7/26.5/1.62'	830
6474450K	1/2"DR. 42-210	450	12/19.6/20.5/1.30'	1316
6474570K	70-340	570	12/24.0/25.0/1.86'	1658
Part no.	Inch-lb	mm	packing	g
6472275KS	1/4"DR. 55-250	275	24/19.4/20.3/1.62'	595
6473275KS	3/8"DR. 55-250	275	24/20.4/21.3/1.62'	595
Part no.	Ft-lb	mm	packing	g
6473370KS	3/8"DR. 15-80	370	24/26.2/27.0/1.62'	830
6474450KS	1/2"DR. 30-150	450	12/19.4/20.2/1.30'	1316
6474570KS	50-250	570	12/24.0/25.0/1.86'	1658

• Spare part available



Tone control torques wrench

TORQUE



647	Capacity	<i>l</i>		
Part no.	Nm	mm	packing	g
6476850	3/4"DR. 65-450	850	4/18.1/19.1/1.7'	4525
64761030	140-700	1030	4/30.3/31.3/1.67'	7575
64761215	140-980	1215	2/16.2/17.2/1.13'	8100
64781215	1"DR. 140-980	1215	2/16.3/17.3/1.13'	8150
Part no.	Ft-lb	mm	packing	g
6476850S	3/4"DR. 50-300	850	4/19.0/20.0/1.7'	4750
64761030S	100-600	1030	4/30.0/31.0/1.67'	7500
64761215S	100-700	1215	2/15.0/16.0/0.8'	7500
64781215S	1"DR. 100-700	1215	2/15.0/16.0/0.8'	7500

• Spare part available



Tone control torque wrench

NEW
TORQUE


Unlock



Lock



647...J	Capacity	<i>l</i>		
Part no.	Nm	mm	packing	g
6472030J	1/4"DR. 6-30	281	24/19.0/19.8/1.41'	530
6473030J	3/8"DR. 6-30	281	24/17.8/18.6/1.41'	530
6473110J	20-110	361	24/23.0/23.9/1.62'	770
6474210J	1/2"DR. 40-210	461	12/18.1/18.9/1.30'	1250
6474350J	50-350	553	12/21.8/22.9/1.86'	1590
6476600J	3/4"DR. 100-600	1010	2/12.8/13.9/1.53'	4730
6476800J	150-800	1200	2/14.1/15.2/1.53'	5990
64761000J	200-1000	1200	2/15.2/16.4/1.53'	5990
64781000J	1"DR. 200-1000	1200	2/15.2/16.4/1.53'	5990
Part no.	Inch-lb	mm	packing	g
6473030JS	3/8"DR. 55-250	281	24/18.2/19.2/1.41'	530
Part no.	Ft-lb	mm	packing	g
6473110JS	3/8"DR. 15-80	361	24/22.8/23.7/1.62'	770
6474210JS	1/2"DR. 30-150	461	12/21.8/22.9/1.86'	1250
6474350JS	50-250	553	12/18.4/19.2/1.30'	1590
6476600JS	3/4"DR. 100-450	1010	2/13.0/14.2/1.53'	4730
6476800JS	100-600	1200	2/14.2/15.3/1.53'	5990
64781000JS	1"DR. 150-750	1200	2/15.2/16.3/1.53'	5990

• Spare part available



Push



Lock torques wrench (tone control)



Unlock



Adjust



Lock



647	Capacity	<i>l</i>		
Part no.	Nm	mm	packing	g
6473383	3/8"DR. 10-80	383	12/12.5/13.1/0.76'	740
6473385	20-110	383	12/14.0/15.0/0.76'	960
6474536	1/2"DR. 40-210	535	10/21.5/22.1/1.34'	1764
6474646	70-350	645	6/18.4/19.0/0.92'	2540
6476865	3/4"DR. 100-500	865	4/19.5/20.5/1.1'	3660
64761088	140-700	1088	4/30.0/31.0/1.9'	5940
64761230	140-980	1230	2/16.0/17.0/1.1'	6460
64781230	1"DR. 140-980	1230	2/16.0/17.0/1.1'	6460
Part no.	Ft-lb	mm	packing	g
6473383S	3/8"DR. 10-60	383	12/12.5/13.1/0.76'	740
6473385S	15-80	383	12/14.0/15.0/0.76'	960
6474536S	1/2"DR. 30-150	535	10/20.6/21.2/1.3'	1070
6474646S	50-250	645	6/18.4/19.0/0.92'	2540
6476865S	3/4"DR. 50-300	865	4/19.5/20.5/1.1'	3660
64761088S	100-600	1088	4/30.0/31.0/1.9'	5940
64761230S	100-700	1230	2/16.0/17.0/1.1'	6460
64781230S	1"DR. 100-700	1230	2/16.0/17.0/1.1'	6460

• Spare part available



Clock wise click
for right thread nut



Anti-clock wise click
for left thread nut

Lock torques wrench-window display (tone control)


6472195W

30/10.2/11.2/0.74' 340g

- 1/4"DR. 3-15 Nm (195 mm)
- Nm in display only.

Lock torque wrench - window display



647...W	Capacity	<i>l</i>	
Part no.	Nm	mm	g
	1/4"DR.		
6472290W	5-25	290	420
	3/8"DR.		
6473360W	10-50	360	920
6473405W	20-100	405	1020
	1/2"DR.		
6474405W	20-100	405	1020
6474500W	40-200	500	1200
6474595W	60-300	595	1330
6474680W	80-400	680	1820
	3/4"DR.		
6476970W	110-550	970	3700
64761150W	150-750	1150	5600
	1"DR.		
64781250W	200-1000	1250	7200

- Spare part available



1"DR. Lock torques wrench (tone control)



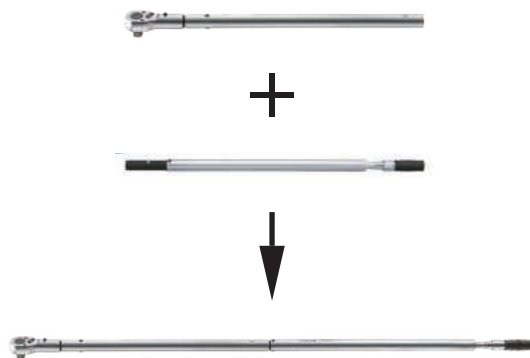
647

Part no.	Capacity	<i>l</i> mm	 g
64781701	300-1500Nm	1700	11580
64781701S	200-1000Ft-lb	1700	11580

• Spare part available



Double click torque wrench



647A

Part no.	Capacity Nm	<i>l</i> mm	 kg
3/4"DR.			
647A6021	300-1500Nm	1700	12
647A6021S	200-1000Ft-lb	1700	12
1"DR.			
647A8021	300-1500Nm	1700	12
647A8021S	200-1000Ft-lb	1700	12
1"DR.			
647A8031	400-2000Nm	2146	13
647A8031S	300-1500Ft-lb	2146	13

• Spare part available



Double click torque wrench



647A

Part no.	Capacity Nm	<i>l</i> mm	 kg
1-1/2"DR.			
647A1201	600-3000Nm	2780	15
647A1201S	400-2000Ft-lb	2780	15

• Spare part available



Interchangeable torque handle (Adjustable torque)



647B

Part no.	 mm	Torque Nm	<i>l</i> mm	 g
647B005D	9 x 12	1-5	195	340
647B030D	9 x 12	6-30	220	420
647B110D	9 x 12	20-110	403	970
647B210D	14 x 18	40-210	460	1160
647B350D	14 x 18	70-350	525	1310
647B450D	14 x 18	75-450	775	2220

647B

Part no.	 mm	Torque Nm	<i>l</i> mm	 g
647B800D	20 x 28.5	100-800	960	5750
647B1000D NEW	20 x 28.5	200-1000	1100	5460
647B1500D	20 x 28.5	300-1500	1786	12500

Digital torque wrench

NEW
TORQUE


647G

- Buzzer and LED indicator.
- Mode: Peak, Track.
- Auto sleep after 120s of being idle.
- USB Data out.
- CW/ CCW Direction.
- Accuracy: CW $\pm$ 1% / CCW $\pm$ 1.5%
- Memory: 100 Readings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m.
- Battery: 1.5V AA Batteries x 3 (not included)

• Spare part available



647G		Torque Range				<i>l</i>	
Part no.	DR.	Nm	Ft-lb	In-lb	Kg-m	mm	g
647G2360	1/4"	3-30	2.21-22.13	26.5-265.5	0.30-3.05	360	1012
647G3440	3/8"	10-100	7.3-73.7	88-885	1.02-10.20	440	1214
647G4640	1/2"	35-350	25.8-258.1	309.75-3097.5	3.57-35.7	640	1928

Digital torque wrench

NEW
TORQUE


647G...A

- Torque angle: 1°-180°
- Buzzer and LED indicator.
- Mode: Peak, angle & peak, Track.
- Auto sleep after 120s of being idle.
- RS-232 Data out.
- CW/CCW Direction.
- Accuracy: CW $\pm$ 1% / CCW $\pm$ 1.5%
- Memory: 50 Readings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m.
- Battery: 1.5V AA Batteries x 3 (not included)

• Spare part available



647G...A		Torque Range				<i>l</i>	
Part no.	DR.	Nm	Ft-lb	In-lb	Kg-m	mm	g
647G2360A	1/4"	3-30	2.21-22.13	26.5-265.5	0.30-3.05	360	1012
647G3440A	3/8"	10-100	7.3-73.7	88-885	1.02-10.20	440	1214
647G4640A	1/2"	35-350	25.8-258.1	309.75-3097.5	3.57-35.7	640	1749

1/2" Digital torque adapter

NEW

TORQUE



647G4075

48/14.5/15.5/1.73' 290g

- Converts any ratchet or breaker bar into a digital torque wrench.
- Displaying torque value when pressure is applied.
- Highest torque value displayed after load is released (PEAK mode).
- Accurate within $\pm 2\%$.
- Torque range: 30 to 260 Ft-lb, 40 to 350 Nm.
- 180 degrees swivel screen.
- LED backlight.
- 10 memory settings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m, kg-cm.
- Length: 76 mm.
- Battery not included.

3/4" Digital torque extension

NEW

TORQUE



647G6250

12/22.0/25.4/2.4' 1874g

- Converts any ratchet or breaker bar into a digital torque wrench.
- Displaying torque value when pressure is applied
- Highest torque value displayed after load is released. (PEAK mode).
- Accurate within $\pm 2\%$.
- Torque range: 52 to 600 Ft-lb (70 to 813 Nm).
- LED backlight.
- 10 memory settings.
- Unit selection: Nm, Ft-lb, In-lb, kg-m, kg-cm.
- Length: 255 mm.
- Battery not included

Torque handle fittings



647H

24 Teeth ratchet head (9 x 12 mm)

Part no.	DR.
647H209	1/4"
647H309	3/8"
647H309A	3/8" (small, width 27 mm)
647H409	1/2"



647H...-72

72 Teeth round ratchet head (9 x 12 mm)

Part no.	DR.
647H209-72	1/4"
647H309-72	3/8"
647H409-72	1/2"



68509

Open end wrench head (9 x 12 mm)

Part no.	Size (mm)
6850907	7
6850908	8
6850909	9
6850910	10
6850911	11
6850912	12
6850913	13
6850914	14
6850915	15
6850916	16
6850917	17
6850918	18
6850919	19

Torque handle fittings



685A09

Box end wrench head (9 X 12 mm)

Part no.	Size (mm)
685A0907	7
685A0908	8
685A0909	9
685A0910	10
685A0911	11
685A0912	12
685A0913	13
685A0914	14
685A0915	15
685A0916	16
685A0917	17
685A0918	18
685A0919	19
685A0921	21
685A0922	22



685B09

Flare nut wrench head (9 X 12 mm)

Part no.	Size (mm)
685B0910	10
685B0911	11
685B0912	12
685B0913	13
685B0914	14
685B0916	16
685B0917	17
685B0918	18
685B0919	19
685B0921	21
685B0922	22



647H

24 Teeth ratchet head (14 X 18 mm)

Part no.	DR.
647H314	3/8"
647H414	1/2"
647H414A	1/2" (small, width 36 mm)

Torque handle fittings



647H...-72

72 Teeth round ratchet head (14 X 18 mm)

Part no.	DR.
647H414-72	1/2"
647H314-72	3/8"

NEW



647H

60 Teeth ratchet head (20 x 28.5 mm)

Part no.	DR.
647H620	3/4"
647H820	1"



68514

Open end wrench head (14 x 18 mm)

Part no.	Size (mm)	Part no.	Size (mm)
6851413	13	6851429	29
6851414	14	6851430	30
6851415	15	6851432	32
6851416	16	6851434	34
6851417	17	6851436	36
6851418	18	6851438	38
6851419	19	6851440	40
6851421	21	6851441	41
6851422	22	6851442	42
6851424	24	6851444	44
6851426	26	6851446	46
6851427	27		

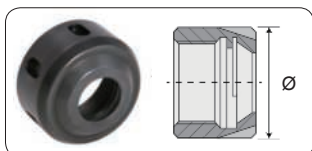


685A14

Box end wrench head (14 x 18 mm)

Part no.	Size (mm)	Part no.	Size (mm)
685A1413	13	685A1429	29
685A1414	14	685A1430	30
685A1415	15	685A1432	32
685A1416	16	685A1434	34
685A1417	17	685A1436	36
685A1418	18	685A1438	38
685A1419	19	685A1440	40
685A1421	21	685A1441	41
685A1422	22	685A1442	42
685A1424	24	685A1444	44
685A1426	26	685A1446	46
685A1427	27		

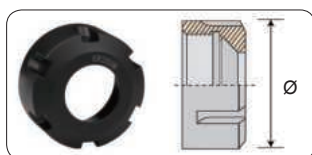
Torque handle fittings



685C14

Single hook spanner head (14x18 mm)

Part no.	Nut type	Ø mm
685C1432	MLC12	32
685C1443	OZ16	43
685C1460	OZ25	60
685C1472	OZ32	72
685C1450	TG75	50
685C1463	TG100	63.2
685C1482	TG150	82



685D14

Double hook spanner head (14x18 mm)

Part no.	Nut type	Ø mm
685D1432	ER16-UM	32
685D1435	ER20-UM	35
685D1442	ER25-UM	42
685D1450	ER32-UM	50
685D1463	ER40-UM	63



68520

Open end wrench head (20 x 28.5 mm)

Part no.	Size (mm)
6852032	32
6852036	36
6852041	41
6852046	46
6852050	50
6852055	55
6852060	60
6852065	65



685A20

Box end wrench head (20 x 28.5 mm)

Part no.	Size (mm)
685A2036 NEW	36
685A2041 NEW	41
685A2046 NEW	46
685A2050	50
685A2055	55
685A2060	60
685A2065	65

Open ended pre-set torque wrench



647C	Spanner size	Torque	<i>l</i>	
Part no.	mm	Nm	mm	g
647C1817	17	18	220	410
647C4222	22	42	230	450
647C5526	26	55	290	600
647C6529	29	65	295	620

Pipe torque wrench



647P	Torque	Jaw opening	<i>l</i>	
Part no.	Nm	mm	mm	g
647P210	40-210	48	590	3.0
647P350	70-350	63	825	3.7
647P500	100-500	63	920	4.3

• Accuracy: $\pm 6\%$

Mechanical torque multipliers



65101 / 65102



65101L / 65102L

65101/65102

	Max. Output	Square Drive	Ratio
Part no.	Nm/Ft-lb	size	
65101	1500/1100	1/2" to 3/4"	1:3
65102	3000/2200	3/4" to 1"	1:3
	Max. Input		
Part no.	Nm/Ft-lb	packing	g
65101	500/365	4/13.7/14.7/1.4'	1600
65102	1000/730	2/11.3/12.3/0.84'	4850

- Spare part available
- Impact use is prohibited
- **65101L/65102L:**
Supplied with the reaction bar styles for maximum versatility.

Torque multiplier



65103/65104

Part no.	Drive	Ratio	Max. Input	Max. Output	
			Nm/Ft-lb	Nm/Ft-lb	
65103	1/2"(F) x 3/4"(M)	1:10	150/110	1500/1100	3.4
65104	1/2"(F) x 1-1/2"(M)	1:10	400/300	4000/3000	16.0

- Impact use is prohibited

Mechanical torque multipliers



65106/65107

Part no.	Drive	Ratio	Max. Input	Max. Output	
			Nm/Ft-lb	Nm/Ft-lb	
65106	1/2"(F) x 3/4"(M)	1:5	260	1300	8.8
65107	3/4"(F) x 1"(M)	1:5	540	2700	8.7

- Material: SCM440 (4140)
- Finish: Manganese phosphate

Mini torque multiplier

NEW



65108/65109

Part no.	Drive	Torque Ratio	Max. Input	Max. Output	
			Nm/Ft-lb	Nm/Ft-lb	
65108	1/2"(F) x 1/2"(M)	1:3.4	176/127	600/443	1.1
65109	1/2"(F) x 3/4"(M)	1:3.4	235/173	800/590	1.1

- Energy- saving tool for tire changing of car and van
- Small size, light weight, easy to carry & store.
- Supplied with the rubber-covered reaction bar for tire rim protection purpose.



Torque multiplier set

65111L

 2/12.5/13.5/1'

 3700g


- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380 mm reaction bar (65111)

Drive: 1/2"(F) x 3/4"(M)

Gear ratio 1:9

Torque ratio 1:6.5

Max. Input: 231 Nm

Max. Output: 1500 Nm

1pc 90° Reaction bar (65111L-1)

1pc 90° Reaction base (65111L-2)

1pc Break-away adapter (65111L-3)

Torque multiplier set

65112L

 2/13.0/14.0/1'

 4000g


- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380mm reaction bar (65112)

Drive: 1/2"(F) x 1"(M)

Gear ratio 1:12

Torque ratio 1:9

Max. Input: 222 Nm

Max. Output: 2000 Nm

1pc 90° Reaction bar (65112L-1)

1pc 90° Reaction base (65112L-2)

1pc Break-away adapter (65112L-3)

Torque multiplier set



65113L

2/15.0/16.0/1'

4800g

- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

2pc Torque multiplier head & 380mm reaction bar (65113)

Drive: 3/4"(F) x 1"(M)

Gear ratio 1:4

Torque ratio 1:3.3

Max. Input: 758 Nm

Max. Output: 2500 Nm

1pc 90° Reaction bar (65113L-1)

1pc 90° Reaction base (65113L-2)

1pc Break-away adapter (65113L-3)

3/4"F x 1-1/2"M 4500Nm Industrial torque multiplier

NEW



65114

2/24.0/25.0/1'

12kg

- Protect wind-up system
- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

1pc 4500Nm Torque multiplier

Drive: 3/4"(F) x 1-1/2"(M)

Gear ratio 1:5.5

Torque ratio $\pm 5\%$: 1:4.8

Accurate Range : 900-4500 Nm

Max. Input: 938 Nm

Max. Output: 4500 Nm

2pc Break-away adapter

1/2"F x 1-1/2"M 6000Nm Industrial torque multiplier

NEW



65115

1/20/28.5/1.5'

20kg

- Protect wind-up system
- Always apply the break-away adapter in order to protect the torque multiplier from damage.
- The break-away adapter is expendable.

Contents:

1pc 6000Nm Torque multiplier

Drive: 1/2"(F) x 1-1/2"(M)

Gear ratio 1:22

Torque ratio $\pm 5\%$: 1:16.8

Accurate Range : 1200 - 6000 Nm

Max. Input: 357 Nm

Max. Output: 6000 Nm

2pc Break-away adapter

3pc Pliers set


5034

6/8.7/9.7/0.9'

1660g

	1pc	610200	Long nose pliers 8"(200mm)
	1pc	611215	Combination pliers 8.5"(215mm)
	1pc	612175	Diagonal pliers 7"(175mm)

4pc Pliers set


5045

6/10.0/11.0/0.9'

1650g

	1pc	610B200	Long nose pliers 8"(200mm)
	1pc	611B175	Combination pliers 7"(175mm)
	1pc	612B175	Diagonal pliers 7"(175mm)
	1pc	673B215	Slip joint pliers 8.5"(215mm)

4pc Pliers set


5046

6/10.0/11.0/0.9'

1650g

	1pc	610B200	Long nose pliers 8"(200mm)
	1pc	610B200B	Bent long nose pliers 8"(200mm)
	1pc	611B175	Combination pliers 7"(175mm)
	1pc	612B175	Diagonal pliers 7"(175mm)

4pc Pliers set


5047

6/12.0/13.0/0.9'

1970g

	1pc	5047P1	Long nose straight pliers 11"(280mm)
	1pc	5047P2	Long nose 45° pliers 11"(280mm)
	1pc	5047P3	Long nose 90° pliers 11"(280mm)
	1pc	5047P4	Multi-purpose 4 points gripping pliers 11"(280mm)

4pc Snap ring pliers set



5043A

6/7.7/8.7/0.9'

1800g

	1pc	609ASO	External straight 7"(180mm)
	1pc	609ASC	Internal straight 7"(180mm)
	1pc	609ABO	External 90° bent 7"(180mm)
	1pc	609ABC	Internal 90° bent 7"(180mm)

6pc Snap ring pliers set



50653

10/15.6/16.6/1.3'

1620g

	1pc	609ASO	External straight 7"(180mm)
	1pc	60909ASO	External straight 9"(230mm)
	1pc	609ASC	Internal straight 7"(180mm)
	1pc	60909ASC	Internal straight 9"(230mm)
	1pc	609ABO	External 90° bent 7"(180mm)
	1pc	609ABC	Internal 90° bent 7"(180mm)

8pc Mini pliers set



50814

6/7.1/8.1/0.9'

1400g

	1pc	50814P1	Round nose pliers 5"(125mm)
	1pc	50814P2	Flat nose pliers 5"(125mm)
	1pc	50814P3	Combination pliers 5"(125mm)
	1pc	50814P4	Long nose pliers 5"(125mm)
	1pc	50814P5	Needle nose pliers 6"(150mm)
	1pc	50814P6	Bent nose pliers 6"(150mm)
	1pc	50814P7	Cutter pliers 6"(150mm)
	1pc	50814P8	Diagonal pliers 6"(150mm)

3pc Locking pliers set



50311

20/24.0/25.0/1'

1200g

	1pc	614125	Locking pliers 5"(125mm)
	1pc	614175	Locking pliers 7"(175mm)
	1pc	614250	Locking pliers 10"(250mm)

7pc Locking pliers & clamp set


50721

3/12.9/13.9/1.2' 4288g

	1pc	614125	Locking pliers 5"(125mm)
	1pc	614250	Locking pliers 10"(250mm)
	1pc	614A175	Locking pliers (straight jaw) 7"(175mm)
	1pc	615150	Long nose locking pliers 6"(150mm)
	1pc	66011	Locking "C" clamp 11"(275mm)
	1pc	66101	Sheet metal tool 8"(200mm)
	1pc	66201	Welding clamp 9"(225mm)

3pc Adjustable gauged wrench set


5036

6/13.3/14.3/0.9' 2210g

	1pc	649200	Adjustable gauged wrench 8"(200mm)
	1pc	649250	Adjustable gauged wrench 10"(250mm)
	1pc	649300	Adjustable gauged wrench 12"(300mm)

3pc Adjustable gauged wrench set


5036A

6/12.2/13.2/0.9' 2040g

	1pc	649200A	Adjustable gauged wrench 8"(200mm)
	1pc	649250A	Adjustable gauged wrench 10"(250mm)
	1pc	649300A	Adjustable gauged wrench 12"(300mm)

3pc Adjustable gauged wrench set



5036E

 6/12.2/13.2/0.9'  2040g

	1pc	649200E	Adjustable gauged wrench 8"(200mm)
	1pc	649250E	Adjustable gauged wrench 10"(250mm)
	1pc	649300E	Adjustable gauged wrench 12"(300mm)

3pc Adjustable gauged wrench set



5036C

 10/14.9/15.9/0.8'  1455g

	1pc	649200	Adjustable gauged wrench 8"(200mm)
	1pc	649250	Adjustable gauged wrench 10"(250mm)
	1pc	649300	Adjustable gauged wrench 12"(300mm)

3pc Adjustable gauged wrench set - left threaded

NEW



5036CL

 10/14.9/15.9/0.8'  1455g

	1pc	649200L	8" (200 mmL)
	1pc	649250L	10"(250 mmL)
	1pc	649300L	12" (300 mmL)

2pc Pliers set


5021

6/9.4/10.4/0.9' 1750g

	1pc	613250	Waterpump pliers 10"(250mm)
	1pc	614250	Locking pliers 10"(250mm)

3pc Pliers set


5038

6/12.1/13.1/0.9' 2130g

	1pc	613B250	Waterpump pliers 10"(250mm)
	1pc	614250	Locking pliers 10"(250mm)
	1pc	649250A	Adjustable gauged wrench 10"(250mm)

Mini nose pliers



610110		<i>l</i>	
Part no.	packing	mm	g
610110	120/15.1/16.1/2.4'	140	80

Long nose pliers



610		<i>l</i>	
Part no.	packing	mm	g
610150	60/9.7/10.7/1'	150-6"	162
610200	60/15.5/16.5/1.4'	200-8"	258

Long nose pliers



610B		<i>l</i>	
Part no.	packing	mm	g
610B145	50/8.0/9.0/1.3'	145-5.7"	160
610B160	50/9.3/10.3/1.3'	160-6.3"	186
610B200	50/11.0/12.0/1.8'	200-8"	220

Bent long nose pliers



610B...B		<i>l</i>	
Part no.	packing	mm	g
610B150B	50/9.3/10.3/1.5'	150-6"	186
610B200B	50/11.0/12.0/2.1'	200-8"	220

Combination pliers



611		<i>l</i>	
Part no.	packing	mm	g
611150	60/12.6/13.6/1'	150-6"	210
611175	60/17.2/18.2/1.4'	175-7"	280
611215	50/18.0/19.0/1.3'	215-8.5"	412

Combination pliers



611B		<i>l</i>	
Part no.	packing	mm	g
611B160	60/15.7/16.7/1.9'	160-6.3"	261
611B175	60/18.6/19.6/2.3'	175-7"	280
611B200	60/24.0/25.0/2.3'	200-8"	380

Mini diagonal pliers



612140		<i>l</i>	
Part no.	packing	mm	g
612140	120/13.2/14.2/2'	118	77

Diagonal pliers



612175		<i>l</i>	
Part no.	packing	mm	g
612175	60/16.2/17.2/1.4'	175-7"	245

Diagonal pliers



612B		<i>l</i>	
Part no.	packing	mm	g
612B160	60/14.3/15.3/1.65'	160-6.3"	238
612B175	60/17.4/18.4/2'	175-7"	260
612B200	60/20.2/21.2/2'	200-8"	288

Waterpump pliers



613		<i>l</i>	
Part no.	packing	mm	g
613200	60/13.5/14.5/1.5'	200-8"	225
613250	50/23.7/24.7/1.6'	250-10"	470
613300	20/18.8/19.8/1.1'	300-12"	680
613410	12/14.9/15.9/1.1'	410-16"	1192

Heavy duty waterpump pliers



613A500		<i>l</i>	
Part no.	packing	mm	g
613A500	10/17.6/18.6/1.54'	500	1959

Waterpump pliers



613B250		<i>l</i>	
Part no.	packing	mm	g
613B250	50/18.0/19.0/1.3'	250-10"	410

Slip joint pliers



673B		<i>l</i>	
Part no.	packing	mm	g
673B160	60/14.3/15.3/1'	160-6.3"	238
673B215	60/16.5/17.5/1.4'	215-8.5"	275
673B250	50/17.0/18.0/1.5'	250-10"	340

Long nose straight long pliers



5047P1				
		<i>l</i>		
Part no.	packing	mm	g	pc/box
5047P1	50/16.5/17.5/0.64'	280-11"	330	5
5047P1L	50/17.5/18.5/0.83'	400-15.7"	480	5

Long nose 45° long pliers



5047P2				
		<i>l</i>		
Part no.	packing	mm	g	pc/box
5047P2	50/16.5/17.5/0.82'	280-11"	330	5
5047P2L	50/17.5/18.5/1.1'	400-15.7"	480	5

Long nose 90° long pliers



5047P3				
		<i>l</i>		
Part no.	packing	mm	g	pc/box
5047P3	50/16.5/17.5/0.82'	280-11"	330	5
5047P3L	50/17.5/18.5/1.1'	400-15.7"	480	5

Multi-purpose 4 points gripping pliers



5047P4				
		<i>l</i>		
Part no.	packing	mm	g	pc/box
5047P4	50/16.5/17.5/0.82'	280-11"	330	5

■ Snap ring pliers (internal 90° bent tip)



609...ABC					
Part no.	Capacity mm	Tip mm	 packing	<i>l</i> mm	 g
60905ABC	8-25	1.3	30/3.3/4.3/0.44'	140-5.5"	80
609ABC	19-60	1.9	30/5.0/6.0/0.73'	180-7"	174
60909ABC	40-100	2.3	30/11.3/12.3/1.2'	230-9"	331
60912ABC	85-165	3.2	36/18.0/19.0/1.7'	310-12"	399

■ Snap ring pliers (external 90° bent tip)



609...ABO					
Part no.	Capacity mm	Tip mm	 packing	<i>l</i> mm	 g
60905ABO	8-25	1.3	30/3.4/4.4/0.44'	140-5.5"	80
609ABO	19-60	1.9	30/5.5/6.5/0.73'	180-7"	200
60909ABO	40-100	2.3	30/12.1/13.1/1.2'	230-9"	314
60912ABO	85-165	3.2	36/18.0/19.0/1.7'	310-12"	447

■ Snap ring pliers (internal straight tip)



609...ASC					
Part no.	Capacity mm	Tip mm	 packing	<i>l</i> mm	 g
60905ASC	8-25	1.3	30/3.3/4.3/0.44'	140-5.5"	80
609ASC	19-60	1.9	30/5.0/6.0/0.73'	180-7"	180
60909ASC	40-100	2.3	30/11.4/12.4/1.2'	230-9"	325
60912ASC	85-165	3.2	36/19.5/20.5/1.2'	310-12"	403

■ Snap ring pliers (external straight tip)



609...ASO					
Part no.	Capacity mm	Tip mm	 packing	<i>l</i> mm	 g
60905ASO	8-25	1.3	30/3.4/4.4/0.44'	140-5.5"	80
609ASO	19-60	1.9	30/5.6/6.6/0.73'	180-7"	194
60909ASO	40-100	2.3	30/12.1/13.1/1.2'	230-9"	311
60912ASO	85-165	3.2	36/20.5/21.5/1.65'	310-12"	439

High-precision specialized tweezers



6941	<i>l</i>	<i>l</i>		
Part no.	L(inch)	L(mm)	g	pc/box
6941125	4.9	125	10	10
6941140	5.5	140	10	10
6941180	7.1	180	10	10

- Feature: Straight non-toothed Matt finish
Drop-forged Stainless special grade steel

High-precision specialized tweezers



6943125	<i>l</i>	<i>l</i>		
Part no.	L(inch)	L(mm)	g	pc/box
6943125	4.9	137	10	10

- Feature: Angular non-toothed Matt finish
Drop-forged Stainless special grade steel

High-precision specialized tweezers



6944160	<i>l</i>	<i>l</i>		
Part no.	L(inch)	L(mm)	g	pc/box
6944160	6.3	160	10	10

- Feature: Angular smooth-jaw Matt finish
Drop-forged Stainless special grade steel

High-precision specialized tweezers



6945140	<i>l</i>	<i>l</i>		
Part no.	L(inch)	L(mm)	g	pc/box
6945140	5.5	140	10	10

- Feature: Z-shaped needle-tip Matt finish
Drop-forged Stainless special grade steel

4-in-1 Electrical pliers



6921160		<i>l</i>	
Part no.	packing	mm	g
6921160	60/9.6/10.6/0.64'	160-6.3"	160

Diagonal cutting pliers



6922160		<i>l</i>	
Part no.	packing	mm	g
6922160	60/12.0/13.0/1'	160-6.3"	200

Cable cutter



6923		<i>l</i>	
Part no.	packing	mm	g
6923160	60/9.6/10.6/0.84'	160	180
6923200	60/25.3/26.3/1.4'	200	300

Cable cutter



6924250		<i>l</i>	
Part no.	packing	mm	g
6924250	40/22.9/23.9/1.2'	250	530

Plastic cutting pliers



6925		<i>l</i>	
Part no.	packing	mm	g
6925160	60/8.4/9.4/0.9'	160	140
6925180	60/10.8/11.8/1.4'	180	180

Wire twisting pliers


6958

		<i>l</i>	
Part no.	packing	mm	g
6958160	48/12.0/15.0/1.0'	160	237
6958225	48/18.2/21.0/1.3'	225	368

Wire rope cutter


6959180

		<i>l</i>	
Part no.	packing	mm	g
6959180	60/18.6/19.6/1.8'	180	284

End cutting nippers


6976200

		<i>l</i>	
Part no.	packing	mm	g
6976200	60/25.5/26.5/2.3'	200	310

Steel wire rope cutter


6927310
 20/14.0/15.5/1.4'  700g

- For cutting steel wire rope up to 7 mm and mild steel rod up to 5 mm.
- For cutting copper and aluminum cable up to 60 mm².
- Length: 310 mm.

Steel wire rope cutter


6927600
 10/17.0/20.5/2.2'  1700g

- For cutting steel wire rope up to 14 mm and mild steel rod up to 9 mm..
- For cutting copper and aluminum cable up to 150 mm².
- Length: 600 mm.

Bolt cutter


9U0501

Cutting capacity


l


Part no.	HRC15° (m/m)	HRC35° (m/m)	packing	mm	g
9U050112	5Ø	4Ø	20/16.6/17.6/2.1'	300-12"	830
9U050114	7Ø	5Ø	20/24.0/25.0/1.9'	355-14"	1200
9U050118	8Ø	6Ø	15/24.2/25.2/2.3'	455-18"	1150
9U050124	10Ø	8Ø	8/19.0/20.0/2.7'	610-24"	2375
9U050130	13Ø	10Ø	6/23.8/24.8/2.1'	762-30"	3790
9U050136	16Ø	11Ø	5/29.0/30.0/1.8'	863-36"	5830
9U050142	18Ø	13Ø	3/28.0/29.0/2.0'	1066-42"	9330

Pipe gripping pliers


6957240

l


Part no.	packing	mm	g
6957240	40/14.9/15.9/1.2'	240	500

Crocodile pliers


6963330

l


Part no.	packing	mm	g
6963330	20/14.2/15.2/0.8'	330-13"	710

Fence pliers


6964

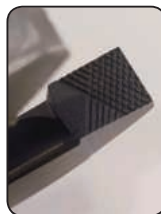
		<i>l</i>	
Part no.	packing	mm	g
6964260	40/23.0/24.0/1.1'	260-10"	500
6964310	20/14.8/15.8/0.4'	310-12"	740

Hight-Leverage Linesman pliers

NEW

6967240

		<i>l</i>	
Part no.	packing	mm	g
6967240	60/21.0/22.0/1'	240-9.5"	514



Hight-Leverage Linesman pliers

NEW

6968240

		<i>l</i>	
Part no.	packing	mm	g
6968240	60/21.0/22.0/1'	240-9.5"	480



Diagonal cutting pliers

NEW

6966280

		<i>l</i>	
Part no.	packing	mm	g
6966280	48/21.7/22.7/0.7'	280-11"	462



Fencing tool



6965265		<i>l</i>	
Part no.	packing	mm	g
6965265	20/14.1/15.1/0.7'	265-10"	703

Tower pincers



6971		<i>l</i>	
Part no.	packing	mm	g
6971230	40/16.8/17.8/1.1'	230	420
6971250	40/19.2/20.2/1.1'	250	480
6971280	30/16.7/17.7/0.76'	280	530

Carpenter's pincers



6972180		<i>l</i>	
Part no.	packing	mm	g
6972180	30/16.7/17.7/0.76'	180	315

Locking pliers



614

		<i>l</i>	
Part no.	packing	mm	g
614125	40/7.6/8.6/0.70'	125-5"	190
614175	40/15.4/16.4/0.96'	175-7"	370
614250	40/23.9/24.9/1.1'	250-10"	524

Locking pliers (straight jaw)



614A

		<i>l</i>	
Part no.	packing	mm	g
614A175	40/16.4/17.4/0.96'	175-7"	380
614A250	40/23.2/24.2/1.1'	250-10"	580

Locking pliers (V-jaw)



614B225

		<i>l</i>	
Part no.	packing	mm	g
614B225	40/23.0/24.0/1.1'	225-9"	575

Long nose locking pliers



615

		<i>l</i>	
Part no.	packing	mm	g
615150	50/10.3/11.3/1'	150-6"	177
615225	50/19.5/20.5/1.2'	225-9"	390

Hose clamp pliers



62528

Part no.	packing	mm	g
6252807	30/8.4/9.4/0.73'	180	280
6252809	30/13.8/14.8/1'	230	460

- Deep-slotted Jaws can remove and replace all size spring wire hose clamps and lock them safely in a position.

Locking pinch-off pliers



9G0115

Part no.	packing	mm	g
9G0115	40/19.0/20.0/1.3'	280	475

- Pinch off and lock on butane gas lines and copper tubing.

Chain locking pliers



61901A

 20/15.7/16.7/1'  825g

- Cr-Mo jaw and handle
- Welded with a 18" chain

Adjustable locking pliers



65202

Part no.	packing	mm	g
65202	50/20.0/21.0/1.3'	215-9"	400

- Jaw opening: 3-46 mm
- For clamping plumbing and worn screws.
- Can be adjusted for clamping small to large screws.
- Smooth and fast screw clamping and releasing.
- Materials: Jaw Cr-Mo; Body: Cr-Mo.

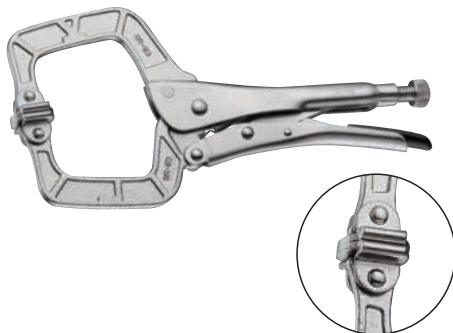
Locking "C" clamp with easy release



660		<i>l</i>	
Part no.	packing	length	g
66006	72/16.9/17.9/0.76'	6"	240
66011	30/22.5/23.5/1.2'	11"	730
66018	20/21.6/22.6/1.1'	18"	1130
66024	16/23.5/24.5/1.6'	24"	1470

- Cr-mo drop forged jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated

Locking "C" clamp with pad



660...D		<i>l</i>	
Part no.	packing	length	g
66006D	72/17.5/18.5/0.76'	6"	245
66011D	30/23.2/24.2/1.2'	11"	772
66018D	20/23.5/24.5/1.1'	18"	1175
66024D	16/23.1/24.1/1.6'	24"	1438

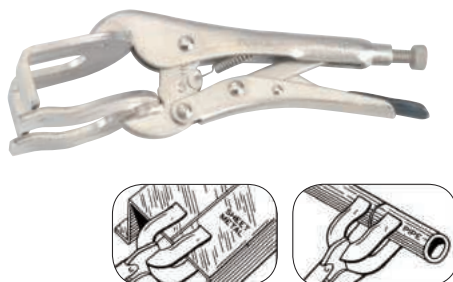
Sheet metal tool



66101	 48/22.0/23.0/1.1'	 460g
--------------	---	--

- Length: 8"
- Cr-mo jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated
- Function: U-shaped jaws allow access and perfect visibility when welding.

Welding clamp



66201	 40/22.8/23.8/1.5'	 620g
--------------	---	--

- Length: 9"
- Cr-mo jaws
- Bodily heat-treated
- Welding brazed
- Nickel plated
- Function: clips things by the two flat pieces in front of the clamp.

Adjustable gauged wrench



649	size		<i>l</i>	
Part no.	mm	packing	mm	g
649150	20	100/16.3/17.3/1.4'	150	137
649200	24	60/17.6/18.6/1.1'	200	254
649250	29	30/15.1/16.1/0.87'	250	441
649300	34	20/15.8/16.8/0.87'	300	712
649375	43	12/15.2/16.2/1'	375	1180
649450	53	10/18.2/19.2/0.8'	450	1727
649600	62	6/19.7/20.7/0.85'	600	3149

Adjustable gauged wrench (left-threaded)



649...L	size		<i>l</i>	
Part no.	mm	packing	mm	g
649150L	20	100/16.0/17.0/1.4'	150	131
649200L	24	60/17.0/18.0/1.1'	200	245
649250L	29	30/14.7/15.7/0.96'	250	427
649300L	33	20/15.3/16.3/0.87'	300	686
649375L	43	12/16.6/17.6/1'	375	1300
649450L	60	10/17.7/18.7/0.8'	450	1680

Adjustable gauged wrench



649...A	size		<i>l</i>	
Part no.	mm	packing	mm	g
649100A	13	100/9.4/10.4/1.1'	100	58
649150A	19	100/15.5/16.5/1.5'	150	126
649200A	24	50/14.1/15.1/1.1'	200	248
649250A	29	30/12.9/13.9/0.93'	250	383
649300A	34	20/13.0/14.0/1.1'	300	594
649375A	43	12/14.4/15.4/1'	375	1058

Adjustable gauged wrench (left-threaded)



649...AL	size		<i>l</i>	
Part no.	mm	packing	mm	g
649100AL	13	100/9.7/10.7/1.1'	100	61
649150AL	19	100/15.5/16.5/1.5'	150	126
649200AL	24	50/14.1/15.1/1.1'	200	248
649250AL	29	30/12.9/13.9/0.93'	250	383
649300AL	34	20/13.1/14.1/1.1'	300	594
649375AL	43	12/13.7/14.7/1'	375	1058

Adjustable gauged wrench



649...E	size		<i>l</i>	
Part no.	mm	packing	mm	g
649200E	24	60/16.1/17.1/1.1'	200	229
649250E	29	30/14.1/15.1/0.96'	250	409
649300E	33	20/16.9/17.9/0.87'	300	765

Wide-jaw adjustable wrench



649200C		<i>l</i>	
Part no.	packing	mm	g
649200C	50/16.4/17.4/1.4'	200	281

- Material: Chrome Vanadium
- Type : Screw pin w/front side metric scale.
- Hot Forged Handle and Jaw
- Whole piece with heat treatment
- Perfectly matched knurl and teeth of jaw for smooth running
- Exceed world-wide industrial standard specification
- Over standard jaw opening, approach 38 mm
- TPR handle w/end hole button

Ratchet-function adjustable wrench



649200D		<i>l</i>	
Part no.	packing	mm	g
649200D	20/6.6/7.6/0.53'	200	290

- Material: Chrome Vanadium
- Patented ratchet-function jaw
- Comfortable and strong TPR handle

86pc Grade nut fastener set



5861

6/7.8/8.8/0.9'

960g

67802	1pc	Grade nut fastener (include 1pc M6x1.0 screw)
5861-M3...M5	3pc	M3x0.5; M4x0.7; M5x0.8
5861-S	1pc	Spanner
5861-1	20pc	Instant blind nut 5.1mm
5861-2	20pc	Instant blind nut 6.1mm
5861-3	20pc	Instant blind nut 7.1mm
5861-4	20pc	Instant blind nut 9.1mm

181pc Rivet pliers set



T51811

6/7.9/8.9/0.72'

1360g

67801	1pc	Rivet pliers
51811-1	30pc	Aluminum rivet 4x8
51811-2	30pc	Aluminum rivet 4x10
51811-3	30pc	Aluminum rivet 4.8x8
51811-4	30pc	Aluminum rivet 4.8x10
51811-5	30pc	Stainless rivet 4x7
51811-6	30pc	Stainless rivet 4x10

Rivet pliers



67801



l



Part no.	packing	mm	g
67801	20/15.7/16.7/2.1'	180	785

• Riveting capacity

	Rivet material	
	Rivet diameter	Aluminum
	Ø2.4mm or Ø3/32"	▲
	Ø3.0/3.2mm or Ø1/8"	▲
	Ø4.0mm or Ø5/32"	▲
	Ø4.8/5.0mm or Ø3/16"	▲

Grade nut fastener



67802			
Part no.	packing	mm	g
67802	20/12.6/13.6/1.5'	280	630

- M6 nozzle included. (67802-M6)
- M3, M4, M5 are optional:
(5861-M3, 5861-M4, 5861-M5)

Hand riveter

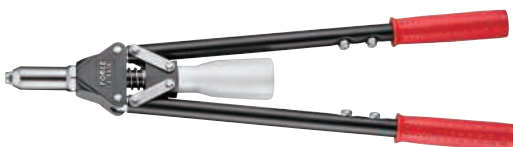


678260	 30/17.3/18.3/1.5'	 556g
---------------	---	--

- Rivet size:
Ø2.4 mm (Ø3/32"); Ø3.0, 3.2 mm (Ø1/8");
Ø4.0 mm (Ø5/32"); Ø4.8, 5.0 mm (Ø3/16")
- High-grade heavy-duty steel plate upper handle with advanced heat treatment, high-strength aluminum body, high-grade steel alloy key parts (jaws, jaw case, fulcrum pin, etc) with advanced heat treatment, PAHs-Free (non-toxic to hand skin) plastic hand grips.
- Riveting capacity

	Rivet material	Aluminum	Steel	Stainless Steel/Inox
	Rivet diameter			
	Ø2.4mm or Ø3/32"	▲	■	●
	Ø3.0/3.2mm or Ø1/8"	▲	■	●
	Ø4.0mm or Ø5/32"	▲	■	●
	Ø4.8/5.0mm or Ø3/16"	▲	■	

Heavy-duty 2-handled lever type riveter

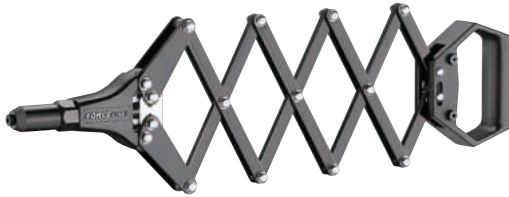


678535	 10/17.5/18.5/1.6'	 1890g
---------------	---	---

- Cap: Ø3.0 mm-Ø6.4 mm
- Blind rivets: Ø1/8"-Ø1/4"
- Riveting capacity

	Rivet material	Aluminum	Steel	Stainless Steel/Inox
	Rivet diameter			
	Ø3.0/3.2mm or Ø1/8"	▲	■	●
	Ø4.0 mm or Ø5/32"	▲	■	●
	Ø4.8/5.0mm or Ø3/16"	▲	■	●
	Ø6.0mm	▲	■	●
	Ø6.4mm or Ø1/4"	▲	■	●

Heavy-duty lazy tong type riveter



678810

10/19.5/20.5/1.4' 1845g

- Cap: Ø3.0 mm-Ø6.4 mm
- Blind rivets: Ø1/8"-Ø1/4"
- Riveting capacity

Rivet diameter	Rivet material		
	Aluminum	Steel	Stainless Steel/Inox
Ø3.0/3.2mm or Ø1/8"	▲	■	●
Ø4.0 mm or Ø5/32"	▲	■	●
Ø4.8/5.0mm or Ø3/16"	▲	■	●
Ø6.0mm	▲		
Ø6.4mm or Ø1/4"	▲		

Hand nut riveter (M3-M8)



678N260

20/15.5/16.5/1.5' 640g

- With 5 short type threaded mandrels M3-M8.
- With 4 nosepieces M3-M6 (M8 does not need nosepiece).
- Forged steel upper handle with advanced heat treatment, high strength aluminum body with steel insert design.
- Stroke adjuster design.
- Riveting capacity

Rivet nut thread size	Rivet nut material		
	Aluminum	Steel	Stainless Steel/Inox
M3x0.5 or 6-32 Rivet Nut	▲	■	●
M4x0.7 or 8-32 Rivet Nut	▲	■	●
M5x0.8 or 10-24, 10-32 Rivet Nut	▲	■	●
M6x1.0 or 1/4-20 Rivet Nut	▲	■	
M8x1.25 or 5/16-18 Rivet Nut	▲		

Heavy-duty hand nut riveter (M4-M10)



678N320

10/17.5/18.5/1.6' 860g

- With 5 short type threaded mandrels M4-M10 and 5 Nosepieces M4-M10.
- High tension steel short handle with super leverage design, high strength aluminum bodies.
- Special design to solve the headache problem of rivet nut stuck with threaded mandrel.
- Stroke adjuster design with stroke indicator.
- Mandrel length adjustable design.
- Riveting capacity

Rivet nut thread size	Rivet nut material		
	Aluminum	Steel	Stainless Steel/Inox
M4x0.7 or 8-32 Rivet Nut	▲	■	●
M5x0.8 or 10-24, 10-32 Rivet Nut	▲	■	●
M6x1.0 or 1/4-20 Rivet Nut	▲	■	●
M8x1.25 or 5/16-18 Rivet Nut	▲	■	
M10x1.5 or 3/8-16 Rivet Nut	▲		

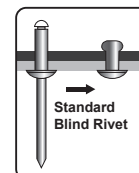
Professional heavy duty pneumatic rivet gun

NEW

678A01
 5/14.6/15.6/2.65'  2880g

- Powerful traction force:
18,200 N (18.2 kN) at 6.2 bar or 4,100 lbf at 90 psi compressed air pressure.
- Long stroke: 18 mm or 0.71"
- Shock-reducer design to minimize tool jumping and hand fatigue.
- Patented rivet-size-hole gauge design to avoid picking blind rivets and working nosepieces of wrong sizes.
- Nosepieces storage design to avoid missing nosepieces.
- Twin air inlet design for right-handed or left-handed users.
- PAHs-free (non-toxic) soft plastic hand grip for safe and comfortable operation.
- Riveting capacity:

Rivet Diameter \ Rivet Material	Aluminum	Steel	Stainless Steel/Inox
3.0/3.2 mm or 1/8"	▲	■	●
4.0 mm or 5/32"	▲	■	●
4.8/5.0 mm or 3/16"	▲	■	●
6.0 mm	▲	■	●
6.4 mm or 1/4"	▲	■	●



10pc Tubing cutter and double flaring tool kit



656

 12/18.5/19.5/1.2'  1542g

Contents:

1pc Flaring screw
1pc Tubing cutter
1pc 9/16" Screen bar
7pc Adaptor 3/16"; 1/4"; 5/16"; 3/8"; 7/16"; 1/2"; 5/8"

656M

 12/18.5/19.5/1.2'  1542g

Changed items

7pc Adaptor 4; 6; 8; 10; 12; 14; 16 mm

10pc Tubing cutter & double flaring tool set



656A

 10/17.3/18.3/1.0'  1730g

- This 2-in-1 flaring tool set is designed to withstand the high pressures necessary to double flare soft steel tubing, as well as, single flare soft copper, aluminum and brass tubing. Automotive 45°.

Contents:

1pc Flaring tool
1pc Flare bar
7pc Adaptor 3/16"; 1/4"; 5/16"; 3/8"; 7/16"; 1/2"; 5/8"
1pc Heavy duty tube cutter: 1/8" ~ 1-1/8"

656AM

 10/17.3/18.3/1.0'  1730g

Changed item

1pc Flare bar
7pc Adaptor 4; 4.75; 6; 8; 10; 12; 14 mm
1pc Heavy duty tube cutter: 4-28 mm

7pc Double flaring tool kit



656F

 10/11.0/12.0/1.0'  1100g

- This 45° double flaring tool is designed for S.A.E. size tubing and will withstand pressure that is necessary for double flare tubing up to 1mm wall thickness. Tool can be used as a single flaring tool.

Contents:

1pc Flaring tool
1pc Flare bar
5pc Adaptor 3/16"; 1/4"; 5/16"; 3/8"; 1/2"

Hydraulic flaring tool kit



656B

6/15.0/16.0/1.5'

2330g

- SAE: 3/16"; 1/4"
- DIN: 3/16"; 1/4"



Hydraulic flaring tool kit



656BM

6/15.3/16.3/1.4'

2585g

- Use in-site on the vehicle and suitable for producing SAE (3/16"&1/4") and DIN 45 degree (3/16"&1/4") flares.
- Capable of working on steel brake pipes.
- 4.75; 5; 6 mm



Universal hydraulic flaring tool set



656B01

2/13.0/14.0/1.2'

6664g

- A quality flaring tool set containing a hydraulic flaring tool capable of 6 tons of pressure and a range of dies and adaptors suitable for:
 - 1) Push connect: 1/4", 5/16", 3/8", 1/2"
 - 2) GM fuel line flare: 5/16", 3/8"
 - 3) 45° & Double flare: 3/16", 1/4", 5/16", 3/8", 1/2"
 - 4) Metric bubble flare: 4.75, 6, 8, 10 mm
 - 5) GM-TC: 3/8", 1/2"

45° Eccentric flaring tool for R410A



65641

8/12.0/13.0/1.5' 1385g

- Engineered to create stronger flare joints for high pressure R410A systems.
- Unique clutch driven feed screw and faceted cone produce uniform, clean flare walls without thin spots or galling.
- For 45° flaring of 1/4"; 5/16"; 3/8"; 1/2"; 5/8"; 3/4" O.D. tubing.

Telescopic tubing cutter



65601

60/17.0/18.0/2.1' 283g

- Hardened cutting wheel
- Tapered burr remover
- Cuts copper, brass, aluminum & mild steel tubing 1/8" to 1-1/8" (3-29 mm) outside diameter.



Mini tubing cutter



65602

100/13.5/14.5/2.2' 135g

- Range: O.D. 1/8" to 7/8" (3-22 mm).
- Small size allows use in restricted areas.



Professional tubing cutter



65604

60/16.8/17.8/1.8' 280g

- Solid and durable
- Aluminum alloy body
- High grade SUJ2 steel blade.
- With deburring reamer
- Capacity: 3-28 mm (1/8" to 1-1/8")
- For copper, brass and aluminum tubing.

Telescopic tubing cutter


65608

60/17.0/18.0/2' 270g

- For 1/8" to 1-1/4" (3-32 mm) O.D. tube, sk-2 (1+1)

Ratchet tube cutter


656

	Capacity		
Part no.	ø mm	packing	g
65631	8-28	36/16.5/17.5/2.14'	392
65632	28-67	12/13.0/13.5/0.84'	1036

- Quick and easy ratchet mechanism make it easy and comfortable to use even in narrow spaces.
- 65631 can cut copper pipe up to 1.5 mm.
- 65632 can cut stainless pipe up to 3 mm.

Exhaust pipe and tubing cutter


65603

30/17.6/18.6/1.1' 586g

- Cuts thin-walled steel and copper tubing from Ø20 mm to Ø75 mm (3/4" - 3").
- Cuts quickly and easily.
- Fitted with 14 cutting blades for fast, clean cutting.



Iron pipe cutter


65605

6/18.6/19.6/1.9' 3100g

- For 1/2"-2" (12-50 mm) O.D. iron pipe
- Part: Cutting wheel (**65605-B**)
- 43 cm

Inside / Outside deburring tool



65304

 80/5.3/6.3/2'

 54g

- 3/16" to 1-1/2" O.D, plastic body.



3-in-1 Tubing bender



653

Application



Part no.	size	packing	g
65301	6; 8; 10 mm	50/17.4/18.4/2.0'	348
65302	1/4"; 5/16"; 3/8"	50/19.5/20.5/2.0'	390



180° 3-in-1 Tube bender



653180

 20/10.9/11.9/2.0'

 545g

- Quality aluminum body
- Three size tube bender
Inch: 1/4", 5/16", 3/8"
Metric: 6, 8, 10 mm.

Breakline bending pliers



65303

 30/14.0/15.0/1'

 420g

- Size: 3/16", 1/4"



Tubing bending pliers


65305

30/18.0/19.0/1.8' 600g

- For bending brass, copper, aluminum and steel tubing.
- Tubing bender pliers feature one rollers.
- One roller accepts 3/16"; 1/4"; 5/16"; 3/8" (4.8; 6.4; 7.9; 9.5 mm) O.D. tubing.

Tube straightener tool


65306

2/14.5/15.5/0.9' 6526g

- Straighten coils of brake pipe quickly and easily.
- For use on most types of tubing including soft metal tube, copper and stainless steel.
- Size ranges from 3/16" to 1/2" (4.75-12.7 mm)

Pipe wrench



684	Jaw opening		<i>l</i>	
Part no.	mm	packing	mm	g
68408	27	36/14.0/15.0/0.40'	175	390
68410	33	24/17.7/18.7/0.65'	245	697
68412	42	24/25.6/26.6/1.20'	275	986
68414	48	12/16.8/17.8/0.60'	315	1345
68418	60	12/25.0/26.0/1.20'	400	2045
68424	73	6/20.9/21.9/1.00'	540	3329
68436	102	3/19.5/20.5/0.92'	770	6280
68448	141	2/19.8/20.8/1.30'	1030	9650

Aluminum pipe wrench



684...A	Jaw opening		<i>l</i>	
Part no.	mm	packing	mm	g
68410A	33	24/11.0/12.0/0.4'	245	460
68412A	42	24/17.0/18.0/0.4'	290	700
68414A	48	24/21.5/22.5/0.5'	325	895
68418A	60	12/18.0/19.0/0.9'	405	1500
68424A	73	6/14.0/15.0/1.1'	555	2330
68436A	102	3/14.0/15.0/1.1'	775	4660
68448A	141	2/16.7/17.7/1.0'	1055	7940

Pipe wrench



684C	Size	Working capacity		<i>l</i>	
Part no.	inch	mm	packing	mm	g
684C14	1	0-44	30/15.8/16.8/0.78'	350-14"	790
684C17	1-1/2	0-58	16/23.2/24.2/1.70'	440-17"	1450
684C22	2	0-76	8/18.8/19.8/1.60'	560-22"	2350

90° Corner pipe wrench

NEW



684D	Size	Working capacity		<i>l</i>	
Part no.	inch	mm	packing	mm	g
684D13	1	0-42	20/15.8/16.8/0.50'	340-13.4"	790
684D17	1-1/2	0-60	10/14.5/15.5/0.62'	440-17"	1450
684D22	2	0-70	10/23.5/24.5/0.96'	560-22"	2350

Pipe torque wrench



647P	Torque	Jaw opening		<i>l</i>	
Part no.	Nm	mm	packing	mm	g
647P210	40-210	48	8/18.0/19.0/2.1'	590	3.0
647P350	70-350	63	6/24.0/25.0/2.46'	825	3.7
647P500	100-500	63	4/18.8/19.8/2'	920	4.3

• Accuracy: ±6%

5pc Chisel punch set


5054

40/20.2/21.5/1.3' 505g

	1pc	60212150	Chisel 12 (150mmL)
	1pc	603150	Cape chisel (150mmL)
	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6063185	Taper punch 3 (185mmL)
	1pc	6074185	Center punch 4 (185mmL)

5pc Chisel set


50510

30/26.8/27.8/0.5' 887g

	1pc	60210150	Chisel 10 (150mmL)
	1pc	60212150	Chisel 12 (150mmL)
	1pc	60215180	Chisel 15 (180mmL)
	1pc	60219200	Chisel 19 (200mmL)
	1pc	60222200	Chisel 22 (200mmL)

6pc Pin punch set


50613

30/19.3/20.3/1.3' 540g

	1pc	6042140	Pin punch 2 (140mmL)
	1pc	6043150	Pin punch 3 (150mmL)
	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6045200	Pin punch 5 (200mmL)
	1pc	6046210	Pin punch 6 (210mmL)
	1pc	6048215	Pin punch 8 (215mmL)

6pc Spring pin punch set


50614

100/23.0/24.0/0.96' 236g

	1pc	60519090	Spring pin punch 1.9 (90mmL)
	1pc	60529095	Spring pin punch 2.9 (95mmL)
	1pc	60539115	Spring pin punch 3.9 (115mmL)
	1pc	60549115	Spring pin punch 4.9 (115mmL)
	1pc	60559140	Spring pin punch 5.9 (140mmL)
	1pc	60579150	Spring pin punch 7.9 (150mmL)

5pc Taper punch set



50512

30/14.4/15.4/0.5' 480g

	1pc	6062185	Taper punch 2 (185mmL)
	1pc	6063185	Taper punch 3 (185mmL)
	1pc	6064185	Taper punch 4 (185mmL)
	1pc	6065185	Taper punch 5 (185mmL)
	1pc	6066185	Taper punch 6 (185mmL)

5pc Center punch set



50511

30/19.0/20.0/0.5' 627g

	1pc	60725185	Center punch 2.5 (185mmL)
	1pc	6074185	Center punch 4 (185mmL)
	1pc	6076185	Center punch 6 (185mmL)
	1pc	6078185	Center punch 8 (185mmL)
	1pc	60710185	Center punch 10 (185mmL)

7pc Long tapered punch set (10"L)

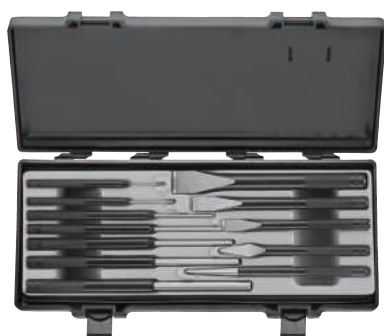


50722

10/16.7/17.7/0.62' 1670g

	1pc	606103.32	Long tapered punch 3/32" (1/4")
	1pc	606101.8	Long tapered punch 1/8" (5/16")
	1pc	606103.16	Long tapered punch 3/16" (3/8")
	1pc	606107.32	Long tapered punch 7/32" (7/16")
	1pc	606101.4	Long tapered punch 1/4" (1/2")
	1pc	606105.16	Long tapered punch 5/16" (5/8")
	1pc	606103.8	Long tapered punch 3/8" (3/4")

12pc Chisel and pin punch set



51229

6/12.4/13.4/0.9' 2150g

	1pc	60212150	Chisel 12 (150mmL)
	1pc	60215180	Chisel 15 (180mmL)
	1pc	60222200	Chisel 22 (200mmL)
	1pc	603150	Cape chisel (150mmL)
	1pc	6042140	Pin punch 2 (140mmL)
	1pc	6043150	Pin punch 3 (150mmL)
	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6045200	Pin punch 5 (200mmL)
	1pc	6046210	Pin punch 6 (210mmL)
	1pc	6048215	Pin punch 8 (215mmL)
	1pc	60410230	Pin punch 10 (230mmL)
	1pc	6074185	Center punch 4 (185mmL)

13pc Chisel and punch set


5131

6/13.0/14.0/0.9' 2167g

	1pc	60210150	Chisel 10 (150mmL)
	1pc	60212150	Chisel 12 (150mmL)
	1pc	60215180	Chisel 15 (180mmL)
	1pc	60219200	Chisel 19 (200mmL)
	1pc	60222200	Chisel 22 (200mmL)
	1pc	603150	Cape chisel (150mmL)
	1pc	6042140	Pin punch 2 (140mmL)
	1pc	6043150	Pin punch 3 (150mmL)
	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6062185	Taper punch 2 (185mmL)
	1pc	6063185	Taper punch 3 (185mmL)
	1pc	6064185	Taper punch 4 (185mmL)
	1pc	6074185	Center punch 4 (185mmL)

5pc Hammer and chisel set


5053

6/14.5/15.5/0.9' 2415g

	1pc	60215180	Chisel 15 (180mmL)
	1pc	60219200	Chisel 19 (200mmL)
	1pc	60225220	Chisel 25 (220mmL)
	1pc	616300	Engineer hammer 300gw
	1pc	616400	Rubber hammer 400gw (280mmL)

6pc Hammer, chisel and punch set


T50633AF

6/11.0/12.0/0.72' 1830g

	1pc	60226200C	Ribbed chisel 26 (200mmL)
	1pc	6044190	Pin punch 4 (190mmL)
	1pc	6046210	Pin punch 6 (210mmL)
	1pc	6074185	Center punch 4 (185mmL)
	1pc	616F032	Riveting hammer 32mm
	1pc	616A400	Soft face hammer 400gw

5pc Cutting tool set



5055

 6/9.5/10.5/0.9'

 1583g

	1pc	5055P1	Straight shears
	2pc	5055P3	Saw blade
	1pc	5055P4	Utility knife (include 3pc blades)
	1pc	66302	Mini hacksaw frame 6"

5pc Needle file set



50513

 120/10.8/11.8/0.9'

 90g

- Set of 5pcs needle files with different shapes. Smooth cut.

Contents:

- 1pc Flat needle file
- 1pc Round needle file
- 1pc Half-round needle file
- 1pc Square needle file
- 1pc Triangular needle file

5pc File set



5056

 6/8.8/9.8/0.9'

 1690g

	1pc	5056P1	8"(200mm) Flat file
	1pc	5056P2	8"(200mm) Half-round file
	1pc	5056P3	8"(200mm) Round file
	1pc	5056P4	8"(200mm) Square file
	1pc	5056P5	8"(200mm) Triangular file

Chisel



602	size	<i>l</i>		
Part no.	mm	mm	g	pc/box
60210150	10	150	83	10
60212150	12	150	89	10
60215180	15	180	152	10
60219200	19	200	293	10
60222200	22	200	302	5
60225220	25	220	415	5

Quakeproof chisel



602...Q	size	<i>l</i>		
Part no.	mm	mm	g	pc/box
60210150Q	10	150	100	10
60212150Q	12	150	102	10
60215180Q	15	180	168	10
60219200Q	19	200	320	5
60222200Q	22	200	327	5
60225220Q	25	220	440	5

Ribbed (Cold) chisel



602...C	size	<i>l</i>		
Part no.	mm	mm	g	pc/box
60218125C	18	125	90	10
60221150C	21	150	155	10
60226200C	26	200	320	10
60229250C	29	250	470	10
60234300C	34	300	750	5

Ribbed (Cold) chisel with sheath handle



602...Q	size	<i>l</i>		
Part no.	mm	mm	g	pc/box
60229250Q	29	250	540	10
60234300Q	34	300	820	5

Cape chisel



603150	<i>l</i>		
Part no.	mm	g	pc/box
603150	150	83	10

Quakeproof cape chisel



603150Q	<i>l</i>		
Part no.	mm	g	pc/box
603150Q	150	100	10

Pin punch



604		<i>l</i>		
Part no.	size	mm	g	pc/box
6042140	2	140	42	10
6043150	3	150	45	10
6044190	4	190	86	10
6045200	5	200	91	10
6046210	6	210	133	10
6048215	8	215	150	10
60410230	10	230	218	10
60412280	12	280	349	10
60414290	14	290	464	10
60416310	16	310	544	10

Quakeproof pin punch



604...Q		<i>l</i>		
Part no.	size	mm	g	pc/box
6042140Q	2	140	58	10
6043150Q	3	150	59	10
6044190Q	4	190	105	10
6045200Q	5	200	106	10
6046210Q	6	210	147	10
6048215Q	8	215	166	10
60410230Q	10	230	235	10
60412280Q	12	280	381	5
60414290Q	14	290	495	5
60416310Q	16	310	575	5

Spring pin punch



605

Part no.	size	<i>l</i> mm	g	pc/box
60519090	1.9	90	18	10
60529095	2.9	95	18	10
60539115	3.9	115	33	10
60549115	4.9	115	35	10
60559140	5.9	140	56	10
60579150	7.9	150	74	10

Taper punch



606

Part no.	size	<i>l</i> mm	g	pc/box
6062185	2	185	95	10
6063185	3	185	96	10
6064185	4	185	98	10
6065185	5	185	101	10
6066185	6	185	103	10
6068185	8	185	149	10

Quakeproof taper punch



606...Q

Part no.	size	<i>l</i> mm	g	pc/box
6062185Q	2	185	114	10
6063185Q	3	185	115	10
6064185Q	4	185	116	10
6065185Q	5	185	119	10
6066185Q	6	185	120	10
6068185Q	8	185	166	10

Center punch



607

Part no.	size	<i>l</i> mm	g	pc/box
60725185	2.5	185	95	10
6074185	4	185	97	10
6076185	6	185	103	10
6078185	8	185	147	10
60710185	10	185	203	10

Quakeproof center punch



607...Q		<i>l</i>		
Part no.	size	mm	g	pc/box
60725185Q	2.5	185	114	10
6074185Q	4	185	116	10
6076185Q	6	185	120	10
6078185Q	8	185	166	10
60710185Q	10	185	219	10

Engineer hammer



616		
Part no.	packing	g
616200	84/20.8/22.2/1.11'	240
616300	48/20.7/22.7/1.11'	431
616500	36/22.0/23.5/1.19'	611
616800	24/23/25/1.35'	980
6161000	16/20.0/21.3/0.91'	1250
6161500	12/21.0/22.1/0.84'	1750

Ball pein hammer



616B		<i>l</i>	
Part no.	packing	mm	g
616B08	50/17.8/18.8/1.1'	295	355
616B12	50/23.8/24.8/1.1'	295	475
616B16	40/27.0/28.0/2.5'	350	635
616B24	20/22.0/23.0/2.2'	400	1000
616B32	20/25.0/26.0/2.2'	400	1150
616B48	10/17.6/18.6/1.3'	403	1755

Riveting hammer



616F	size		
Part no.	mm	packing	g
616F032	32	36/23.5/24.9/1.06'	600
616F035	35	24/19.4/20.5/0.85'	760
616F040	40	24/25.5/26.8/1.04'	1040

- Head material: 1055 medium carbon steel
- Head polished: matt baked painted finished, striking face and end polished.
- Handle: Natural color hickory handle with laser "CENUINE HICKORY"

Sledge hammers


616G

	Head weight	Total length	
Part no.	g	mm	packing
616G1250	1250	260	16/22.6/23.6/0.68'
616G1500	1500	280	12/21.6/22.4/0.59'

Rubber hammer


616

	<i>l</i>		
Part no.	mm	packing	g
616260	262	72/25.0/27.0/1.71'	350
616400	280	48/26.0/28.0/1.62'	520
616580	300	36/25.0/27.0/1.61'	690
616810	320	24/23.0/25.0/1.35'	940

Recoilless hammer (head-replaceable)


616A

	<i>l</i>		
Part no.	mm	packing	g
616A025	25	51/25.0/27.0/1.18'	389
616A030	30	48/22.0/24.0/1.18'	435
616A035	35	48/28.0/30.0/1.48'	505
616A040	40	24/20.8/21.8/1.00'	606
616A045	45	24/24.0/26.0/1.18'	865
616A050	50	24/27.0/29.0/1.48'	952
616A060	60	18/31.7/32.7/1.52'	1690

- Steel handle with positive plastic grip.
- PU-material strike faces.
- Both strike faces can be repeatedly changed if broken.

Soft face hammer


616A400
 48/19.2/20.2/1.62'  400g

- Hammer head: 1 yellow PU + 1 white Nylon
- Handle: natural color hickory

Safe face hammer



616A700

24/16.9/17.9/0.91' 700g

- Hammer head: black TPR & transparent yellow acetate head
- Handle: 1.4 mm hardened tubular steel handle, PVC ring & A type PVC grip

Super heavy duty hacksaw

NEW



66301A

12/11.0/12.0/1.5' 982g

- Blade: length 12" (300 mm); 24 teeth per inch; Bi-Metal HSS
- Multi-angle adjustable blade: 45°, 90°, 135° and 180°.
- TPR grip handle design.
- Quick-change blade design.
- Storage frame for spare blades.
- Blade available (code: 66301A-B)

Mini hacksaw



66302

72/15.7/16.7/1' 218g

- Ergonomic grip handle design.
- For plastic, wood or metal.
- Blade length 150 mm, overlength 270 mm.
- Blade available

Hacksaw



66303

72/15.7/16.7/1' 100g

- Blade available
- Length: 315 mmL

Technician's scissors


6982
 72/7.0/9.0/1.2'

 80g

- Designed for stripping and cutting the cable and wire up to 2 mm diameter.
- Serrated edges can prevent objects from slipping away.
- Impact grips designed to fit human body engineering for the comfort of holding
- The inner ring of grips are made of TPR soft material. Fingers won't hurt after a long time holding.
- With an adjustable joint screw.
- Length: 145 mm

Technician's scissors


6983
 72/6.5/7.5/1.2'

 60g

- ABS grip
- Thickness 2.5 mm
- Length: 145 mm

Straight shears


5055P1

Part no.	Cutting Length		<i>l</i>	
	mm	packing	mm	g
5055P1	51	36/17.0/18.0/1.3'	254-10"	480
5055P112	70	24/21.0/23.0/1.2'	305-12"	650

Aviation tin snips



Straight Cut



Left Cut



Right Cut

698

Part no.	Direction	Cutting Length mm	<i>l</i> mm	 g
6981250	Straight cut	38	250	400
698L248	Left cut	35	248	400
698R248	Right cut	35	248	400

Offset snips



6985

 48/24.0/25.0/1.97"  502g

- Material: CRM-63 steel blades
- Hardness: 58-61 HRC
- Blade: Black phosphate finish resists rust.

Functions and features:

- 1.Special laborsaving design for easier cutting.
- 2.Serrated edges allowing stable hold and preventing slipping when cutting.
- 3.Center fastener for high tensile strength and longer life.
- 4.Solid and comfortable handle with non-slip design.
- 5.Hot drop forged blades: Alloy steel forged blades for greater strength and longer durability.

Electrician folding knife

NEW



68021

 100/8.4/9.4/1.8"  64g

- Length: unfolded 210 mm / folded 122 mm



Utility knife


5055P4

		<i>l</i>	
Part no.	packing	mm	g
5055P4	100/16.8/17.8/1.6'	165	168

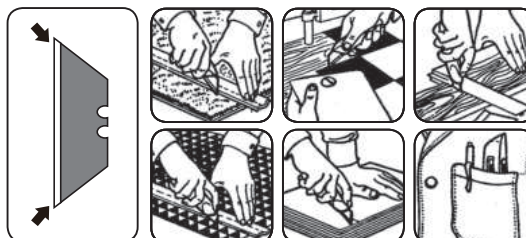
- Blade available

Ultra-slender utility knife

NEW

5055P403
 100/15.2/16.2/1.42'  134g

- Retractable blade can be adjusted to 3 positions, will not slip.
- With double point blades.
- For cutting thin plywood, carton, leather, rubber, carpet, etc.
- Spare blade available, item number: 5055P401-P



Hose cutter

NEW

6930240
 50/6.3/7.3/1'  100g

- Length: 240 mm
- Size: 6-58 mm O.D.

Stainless steel pvc pipe cutter



65607

30/16.2/17.2/2.2' 540g

- For 40mm O.D. PVC pipe
- Part: Cutting wheel (**65607-B**)
- Weight: 490 g
- Length: 225 mm



Alloy steel pvc pipe cutter (V-blade)

NEW



65607A

50/22.0/23.0/2.3' 373g

- Kit for 42mm O.D. PVC pipe.
- Less effort.
- Quick release open steel blade.
- Locking catch.



Scriber of wolfram steel



87901

	<i>l</i>	
Part no.	mm	g
87901	145	20

- Include one tungsten lead and one carbon lead.

6pc 1/2"DR. Impact driver set


5064

20/18.2/19.2/0.62' 950g

	1pc	5/16" PH.2; PH.3 (36mmL)
	1pc	5/16" 9; 11 mm (36mmL)
	1pc	Impact driver (8174)
	1pc	1/2"DR.x5/16"(F)

6pc 1/2"DR. Impact driver set


5064L

20/20.1/21.1/0.62' 950g

	1pc	5/16" PH.2; PH.3 (80mmL)
	1pc	5/16" 9; 11 mm (80mmL)
	1pc	Impact driver (8174)
	1pc	1/2"DR.x5/16"(F)

17pc 1/2"DR. Impact driver set


5171

20/21.1/22.1/0.86' 1100g

	2pc	5/16" PH.2; PH.3 (36mmL)
	2pc	5/16" PZ.2; PZ.3 (36mmL)
	2pc	5/16" 9; 11 mm (36mmL)
	3pc	5/16" 6; 8; 10 mm (36mmL)
	5pc	5/16" T25; T30; T40; T45; T50 (35mmL)
	1pc	Impact driver (8174)
	1pc	5/16"Hex-3/8"Sq.
	1pc	1/2"DR.x5/16"(F)

3/4" Manual impact driver

NEW

8176

20/23.0/24.0/0.44' 1195g

- Instant impact force loosens rusted or frozen fasteners without damaging them.
- This also can be used for tightening bolts or nuts firmly while being reversible in direction.
- Clockwise and counterclockwise drive direction.

3/8" Manual impact driver

NEW



8173

30/9.0/10.0/0.62' 302g

- Forward and reverse drive direction.
- Instant impact force loosens rusted or frozen screws without damaging them.
- Comfortable handle for anti-vibration.
- Length: 145 mmL

4pc Stud extractor set



5042

20/16.5/17.5/0.82' 825g

818 06...12 4pc 6; 8; 10; 12 mm

5042S

20/16.5/17.5/0.82' 825g

818 1.4...7.16 4pc 1/4"; 5/16"; 3/8"; 7/16"

7pc Stud extractor set



5078

12/16.5/17.0/0.62' 1375g

818 05...14 7pc 5; 6; 7; 8; 10; 12; 14 mm



Stud extractor



818					
Part no.	Drive	size	<i>l</i> mm	 g	 pc/box
81805	3/8"	5	60	127	10
81806	1/2"	6	60	132	10
81807	1/2"	7	60	130	10
81808	1/2"	8	60	130	10
81810	1/2"	10	68	186	10
81812	1/2"	12	68	184	10
81814		14	72	253	10
8183.16	3/8"	3/16"	60	126	10
8181.4	1/2"	1/4"	60	126	10
8185.16	1/2"	5/16"	60	124	10
8183.8	1/2"	3/8"	68	176	10
8187.16	1/2"	7/16"	68	172	10
8181.2		1/2"	72	196	10

- For remove threaded, broken, rusted, stripped or smooth studs.

Stud extractor



818A

30/16.9/17.9/0.55' 560g

- Socket 1/2" DR. Stud extractor.
- For remove threaded, stripped, rusted, broken and smooth studs.
- Stud range: 6-19 mm (1/4"-3/4")



Stud extractor



818B				
Part no.	DR.	 packing	<i>l</i> mm	 g
818B01	3/8"	48/18.0/19.0/1.8'	55	375
818B02	1/2"	48/19.0/20.0/1.8'	75	395

- For removing threaded, broken, rusted, stripped or smooth studs.
- Stud Range: 6-12 mm (1/4"-1/2")

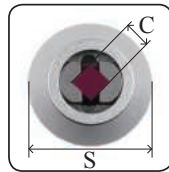
Adjustable tap / extractor holder

NEW



818B		Size(S)	Capacity(C)	
Part no.	DR.	mm	mm	g
818B03	3/8"	34.5	3-8	220
818B05	1/2"	38.5	6-12	265

- Used with reversible ratchet handles or T-handles.
- Chuck mechanism hold compatible tap drills and screw extractors.



Nut buster



9U10A		size		
Part no.	inch	packing		g
9U10A07	7	72/16.6/17.6/1.4'		230
9U10A10	10	36/19.0/20.0/1'		525
9U10A14	14	16/18.0/19.0/1.1'		1125

- Polish finish

Quick-grip wrench



9U10B		size	
Part no.	mm	jaw range	g
9U10B08	200-8"	8-19(5-16"-3/4")	220
9U10B12	300-12"	14-32(9/16"-1-1/4")	486

- Chrome molybdenum steel
- Drop forged (CR-V) steel construction.
- Heat treated, sandblasted, and chrome plated.
- Fast ratcheting function removes or installs square or hex nuts and bolts, even stripped ones.

6pc 1/2"DR. Twist socket set


906U2

20/19.8/20.8/1.4' 990g

- Remove damaged bolts or rounded fasteners.

Contents:

5pc 1/2"DR. Twist socket (50 mmL)

17; 19; 21; 23; 27 mm

1pc 12 mm Straight rod

10pc 3/8"DR. Twist socket set


910U2

20/13.5/14.5/0.9' 675g

- Remove damaged bolts or rounded fasteners.

Contents:

9pc 3/8"DR. Twist socket

10; 11; 12; 13; 14; 15; 16 (5/8"); 17; 19 (3/4")

1pc 8 mm Straight rod

12pc 3/8" & 1/2"DR. Twist socket set


912U3

20/15.5/16.5/0.9' 775g

- Remove damaged bolts or rounded fasteners.

Contents:

4pc 3/8"DR. Twist socket

8; 10; 12; 13 mm

6pc 1/2"DR. Twist socket

14; 15; 16; 17; 19; 21 mm

2pc Straight rod

1/2"DR. Twist socket

NEW



9US4

Part no.	size	<i>l</i> mm	 g
9US418	18	38	98
9US420	20	38	102
9US422	22	38	110
9US424	24	38	112
9US428	28	40	130
9US430	30	44	186
9US432	32	44	276
9US433	33	44	266
9US434	34	44	276
9US436	36	44	278

12pc Damaged-nut/bolt extractor set

NEW



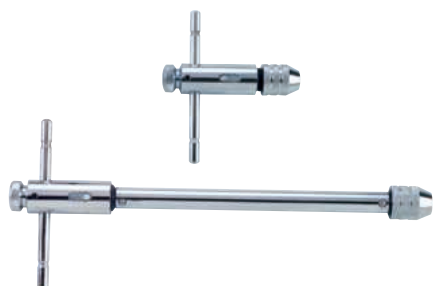
912U8

100/9.4/11.3/1.69' 65g

- The kit is made up of 12pcs cleverly-designed hexagon bolt and nut extractor adapter caps.
- The caps fit over the rounded-off fixing and make a standard 12 point socket or ring wrench applicable to remove the rounded-off hexagon fitting.
- Size: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.



T tap wrench (ratchet type)



881

Part no.	Tap range size	<i>l</i> mm	 g
8812090	1/8"-1/4" (3-6 mm)	90	190
8812250	1/8"-1/4" (3-6 mm)	250	280
8814110	1/4"-1/2" (6-12 mm)	110	320
8814300	1/4"-1/2" (6-12 mm)	300	460

Tap wrench



881A	Tap range	<i>l</i>	
Part no.	size	mm	g
881A06	1/4" (2-6 mm)	175	100
881A10	3/8" (2-10 mm)	225	220
881A13	1/2" (5-13 mm)	275	330
881A19	3/4" (6-19 mm)	380	600
881A25	1-1/8" (10-25 mm)	480	1470
881A32	1-3/8" (14-32 mm)	760	2450
881A38	1-5/8" (20-38 mm)	1000	3800

Twist drill set



924U1

 20/22.7/23.7/1.1'  1390g

- DIN 338 Typ N
- 130° pointed angle
- Titanium coated surface
- Right hand cutting
- Relieved cone has a ground point
- Cutting edge has thinning point
- High heat hardness constancy
- High performance steel

Contents:

25pc Twist drill

1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0;
5.5; 6.0; 6.5; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5;
10.0; 10.5; 11.0; 11.5; 12.0; 12.5; 13.0 mm

10pc Combination extractor and drill set



910U1

 48/16.0/17.0/2.2'  333g

- Contents five spiral extractors #1 through #5 and five mechanic's length hess drill, removes bolts and screws up to 5/8".
- Left hand extractors with right hand drills.

Contents:

5pc Hess drill size: 5/64"; 7/64"; 5/32"; 1/4"; 19/64"
5pc Screw extractor size: 5/64"; 7/64"; 5/32";
1/4"; 19/64"

25pc Screw extractor / drill & guide set

NEW

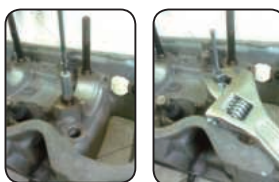


925U2

24/17.0/18.0/1'

696g

- Fluted type extractors that provide a solid grip on broken studs and screws.
- These screw extractors do not expand the screw while turning and their special design ensures a positive grip when driven into the drilled out hole.
- Drill size is stamped on each extractor for ease of identification.
- Range: 1/4" to 5/8" (6 to 16 mm)



5pc Straight flute screw extractor set



905U1

100/17.5/18.5/1.0'

175g

- Made of chrome molybdenum
- Heat treated
- Quick & easy way to remove broken screws, pipes, bolts & studs

Contents:

5pc Screw extractor

- 3/16" (M5) to 5/16" (M8)
- 5/16" (M8) to 3/8" (M10)
- 3/8" (M10) to 7/16" (M12)
- 7/16" (M12) to 9/16" (M14)
- 9/16" (M14) to 5/8" (M16)

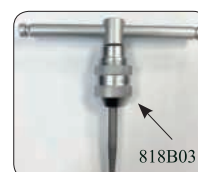
5pc Screw extractor set


63005
 100/15.3/16.3/1.6'  153g

9UXAM06	1pc	1/8" (M3) to 1/4" (M6)
9UXAM08	1pc	1/4" (M6) to 5/16" (M8)
9UXAM11	1pc	5/16" (M8) to 7/16" (M11)
9UXAM14	1pc	7/16" (M11) to 9/16" (M14)
9UXAM18	1pc	9/16" (M14) to 3/4" (M18)



- Optional accessory:
Adjustable tap/extractor holder
(**818B03**)



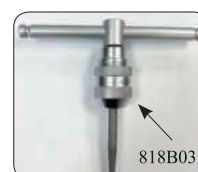
5pc Screw extractor set


63005B
 100/15.3/16.3/1.6'  153g

9UXBM06	1pc	1/8" (M3) to 1/4" (M6)
9UXBM08	1pc	1/4" (M6) to 5/16" (M8)
9UXBM11	1pc	5/16" (M8) to 7/16" (M11)
9UXBM14	1pc	7/16" (M11) to 9/16" (M14)
9UXBM18	1pc	9/16" (M14) to 3/4" (M18)



- Optional accessory:
Adjustable tap/extractor holder
(**818B03**)



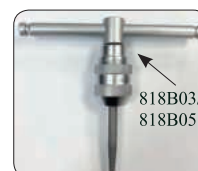
8pc Screw extractor set


63606
 24/18.3/19.3/0.7'  744g

9UXAM06	1pc	1/8" (M3) to 1/4" (M6)
9UXAM08	1pc	1/4" (M6) to 5/16" (M8)
9UXAM11	1pc	5/16" (M8) to 7/16" (M11)
9UXAM14	1pc	7/16" (M11) to 9/16" (M14)
9UXAM18	1pc	9/16" (M14) to 3/4" (M18)
9UXAM25	1pc	3/4" (M18) to 1" (M25)
9UXAM28	1pc	1" (M25) to 1-3/8" (M35)
9UXAM32	1pc	1-3/8" (M35) to 2" (M50)



- Optional accessory:
Adjustable tap/extractor holder
(**818B03/818B05**)



8pc Screw extractor set



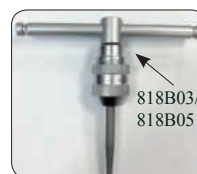
63606B

24/21.5/22.5/0.7' 744g

9UXBM06	1pc	1/8" (M3) to 1/4" (M6)
9UXBM08	1pc	1/4" (M6) to 5/16" (M8)
9UXBM11	1pc	5/16" (M8) to 7/16" (M11)
9UXBM14	1pc	7/16" (M11) to 9/16" (M14)
9UXBM18	1pc	9/16" (M14) to 3/4" (M18)
9UXBM25	1pc	3/4" (M18) to 1" (M25)
9UXBM28	1pc	1" (M25) to 1-3/8" (M35)
9UXBM32	1pc	1-3/8" (M35) to 2" (M50)



- Optional accessory:
Adjustable tap/extractor holder
(818B03/818B05)



Bolt & rounded fasteners extractor set



920U3

10/14.4/15.4/1.2' 1440g

- Remove damaged bolts, screws, nuts or round fasteners.

Contents:

- 1pc 3/8"DR. Quick-grip wrench 8-19 mm (5/16" - 3/4")
- 5pc Screw extractor (63005B)
 - 1/8" (M3) to 1/4" (M6);
 - 1/4" (M6) to 5/16" (M8);
 - 5/16" (M8) to 7/16" (M11);
 - 7/16" (M11) to 9/16" (M14);
 - 9/16" (M14) to 3/4" (M18)
- 10pc 3/8"DR. Twist socket
 - 8; 10; 11; 12; 13; 14; 15; 16; 17; 19 mm
- 1pc L type rod 6 mm
- 1pc Adaptor for 3/8" extension 3/8"(F) x 3/8"(M)
- 1pc 3/8"DR Extension 6" (150 mm)
- 1pc 3/8"DR Wobble extension 1.75" (44 mm)



26pc 3/8" Manual impact driver & twist socket

NEW

3263
 12/20.3/21.3/2.2'

 1694g

- Instant impact force loosens rusted or frozen fasteners without damaging them.
- This tool set can also be used for tightening bolts or nuts firmly after being reversed in direction.
- Clockwise and counterclockwise drive direction

Contents :

1pc 3/8"DR. Manual impact driver (8173)

9pc 3/8"DR. Twist socket:

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

1pc 8mm Straight rod

1pc Bit holder 3/8"DR. x 5/16"(F)

14pc 5/16" Bit

Phillips PH.2, PH.3 (36mmL)

Pozidriv PZ.2, PZ.3 (36mmL)

Slotted 9, 11 mm (36mmL)

Hex 6, 8, 10 mm (36mmL)

8pc Torx plus extractor set


908U2
 20/10.0/11.0/0.6'

 373g

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damaged objects as below:
 - 1). Hex inside (not stripped)
 - 2). Stripped hex inside
 - 3). Round inside
 - 4). Stripped round inside
 - 5). Torx/torx plus/torx security inside
 - 6). Stripped torx/torx plus/torx security inside 7

Contents: (Application size)

8pc Torx plus extractor

3 mm (3.4-4.6 mm), 4 mm (4.3-5.9 mm),

5 mm (5.3-7.0 mm), 6 mm (6.3-8.1 mm),

7 mm (7.4-9.2 mm), 8 mm (8.4-10.4 mm),

10 mm (10.4-12.6 mm), 12 mm (12.4-14.0 mm)

9pc Torx plus extractor set



909U1

50/10.0/11.0/0.75' 183g

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damaged objects as below:
 - 1). Hex inside (not stripped)
 - 2). Stripped hex inside
 - 3). Round inside
 - 4). Stripped round inside
 - 5). Torx/torx plus/torx security inside
 - 6). Stripped torx/torx plus/torx security inside 7

Contents: (Application size)

8pc Torx plus extractor

T6 (1.5-2.7 mm), T7 (1.7-2.9 mm),
T8 (2.0-3.4 mm), T9 (2.2-3.7 mm),
T10 (2.6-4.0 mm), T15 (3.4-4.8 mm),
T20 (3.6-5.0 mm), T25 (4.2-5.8 mm)

1pc Torx plus head

130pc Threaded coil-insert repair kit



9130U1

8/19.5/20.5/1.2' 2437g

Contents:

110pc Screw-coil, material: Stainless Steel SUS304.

each 25pc M5-0.8x1.5D, M6-1.0x1.5D,
M8-1.25x1.5D, M10-1.5x1.5D,
10pc M12-1.75x1.5D.

5pc Tap, material: HSS.

M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.

5pc Tang puncher, material: Carbon Steel.

M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.

5pc Drill, material: HSS.

5.2, 6.3, 8.3, 10.4, 12.4mm.

5pc Main tool, material: Steel.

M5-0.8, M6-1.0, M8-1.25, M10-1.5, M12-1.75.

Threaded coil-insert repair kit



929/924/912/910

Part no.	size	pc		
			packing	g
929U1	M5x0.8	29	30/8.2/9.2/1.7"	275
929U2	M6x1.0	29	30/9.2/10.2/1.7"	310
929U3	M8x1.25	29	30/11.6/12.6/1.7"	390
924U2	M10x1.0	24	30/13.8/14.8/1.7"	460
924U3	M10x1.25	24	30/13.8/14.8/1.7"	460
924U5	M10x1.5	24	30/13.8/14.8/1.7"	460
912U5	M12x1.25	12	30/16.5/17.5/1.7"	550
912U6	M12x1.5	12	30/16.5/17.5/1.7"	550
912U7	M12x1.75	12	30/16.5/17.5/1.7"	550
910U5	M14x1.25	10	30/18.6/19.6/1.7"	620
910U6	M14x1.5	10	30/18.6/19.6/1.7"	620

8pc Axle spindle rethreading set



67001

 20/12.0/13.0/0.6"

 600g

- This set is used to clean or repair axle threads on spindles.
- Use with 1-1/4" socket or wrench.

Contents:

8pc Axle spindle rethreading

M24x1.50, M24x2.00, M22x1.00, M22x1.50,
M20x1.50, M20x1.25, 3/4"x20UNEF,
13/16"x20UNEF

20pc Master spindle rethreading set



920U1

 6/11.3/12.3/1.2"

 1883g

- This 20-piece set will repair or renew damaged threads on stub axles/spindles on most vehicles. Dies are made of high tempered steel for strength and durability. All dies have the same 1-1/4" (32 mm) hex size. Stored in high impact blow mold case.

Contents:

7pc Imperial sizes:

11/16" x 24, 3/4" x 16, 3/4" x 20, 13/16" x 20,
27/32" x 20, 7/8" x 14, 1" x 14

13pc Metric sizes:

16 x 1.0, 16 x 1.5, 18 x 1.5, 19 x 1.5, 20 x 1.0,
20 x 1.25, 20 x 1.5, 22 x 1.0, 22 x 1.5,
24 x 1.5, 24 x 2.0, 25 x 1.5, 27 x 2.0

15pc Metric rethreader set



915U1

10/6.2/7.2/0.61'

620g

- Seven metric rethreader dies, seven metric rethreader taps, one metric thread file.

Contents:

7pc Rethreader die sizes:

6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50,
12 x 1.25, 12 x 1.5, 12 x 1.75 mm

7pc Rethreader tap sizes:

6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50,
12 x 1.25, 12 x 1.5, 12 x 1.75 mm

1pc Metric thread file



43pc UNF, UNC & Metric rethreader set



943U1

6/11.0/12.0/0.7"

1833g

Contents:

21pc Rethreader die sizes:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", UNC
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", UNF
M6 x P1.00, M8 x P1.25, M10 x P1.25, M10 x P1.50,
M12 x P1.25, M12 x P1.5, M12 x P1.75 mm

19pc Rethreader tap sizes:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", UNC
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", UNF
M6 x P1.00, M8 x P1.25, M10 x P1.25, M10 x P1.50,
M12 x P1.25, M12 x P1.5, M12 x P1.75 mm

2pc UNC and UNF thread file

Description pitch sizes:

SAE file: 11, 12, 13, 14, 16, 18, 20, 24

SAE file: 9, 10, 12, 16, 20, 27, 28, 32

1pc Metric thread file

Description pitch sizes:

0.75, 1.00, 1.25, 1.75, 2.00, 2.50, 3.0 mm

External thread restorer files

66901/66902/66903

 72/15.0/16.0/1.2"  208g



- Rostore tool for renewing damaged thread on any diameter bolt, stud, axle of shaft file, both right and left threads.

66901

Description pitch sizes:

Metric file: 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00

66902

Description pitch sizes:

SAE file: 11, 12, 13, 14, 16, 18, 20, 24

66903

Description pitch sizes:

SAE file: 9, 10, 12, 16, 20, 27, 28, 32

External & internal restorer file

9U1101/9U1102

 120/19.7/20.7/1.7"  164g



- Restorer tool for renewing damaged thread on bolt, stud, axle or shaft of any diameter. File both right and left hand threads.
- Designed for use in hidden & narrow area.

9U1101

Description pitch sizes:

Metric file: 0.80-1.00-1.25-1.50-1.75-2.00-2.50-3.00

9U1102

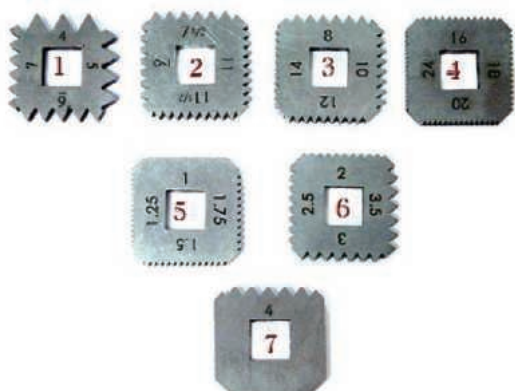
Description pitch sizes:

SAE file: 24-20-18-16-14-12-11-10

7pc Square thread tap set

907U2

 100/14.2/15.2/0.61"  142g



SAE:

- 1: 4N, 5N, 6N, 7N
- 2: 7-1/2N, 9N, 11N, 11-1/2N
- 3: 8N, 10N, 12N, 14N
- 4: 16N, 18N, 20N, 24N

Metric :

- 5: 1P, 1.25P, 1.5P, 1.75P
- 6: 2P, 2.5P, 3P, 3.5P
- 7: 4P

4pc Nut splitter set



672

 12/19.0/20.0/0.84'

 1540g

6720912	1pc	5/16" to 1/2"(9-12 mm)
6721216	1pc	1/2" to 5/8"(12-16 mm)
6721622	1pc	5/8" to 7/8"(16-22 mm)
6722227	1pc	7/8" to 1-1/8"(22-27 mm)



Universal nut cracker



9U1001

 24/15.5/16.5/1.0'

 645g

- Splits most stubborn nuts 7/16" (11 mm) through 3/4" (19 mm) across the flats.
- Works in channels not accessible by other tools.
- Parallel action of pusher cracks nuts without damaging bolt threads. Chisel rotates 360° to line up parallel to bolt.
- Simply tighten the screw until the nut splits.
- With a rugged drop-forged frame.
- Do not use on heat-treated nuts.
- Length: 6-3/4" serviceable product.

Grey cast iron bench vise (without base)



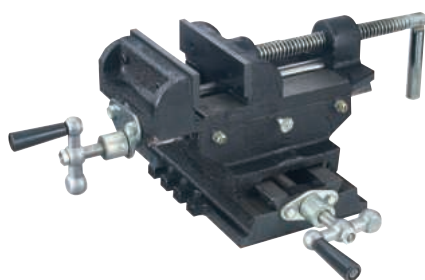
65401	Jaw	Throat	
Part no.	open	depth	packing
6540104	4"	2-5/8"	1/12.2/13.2/0.43'
6540105	5"	3-1/4"	1/13.7/14.7/0.60'
6540106	6"	3-3/4"	1/19.6/20.6/0.82'
6540108	8"	4"	1/26.8/27.8/0.97'

Drilling press vise



65404	Jaw	Throat	
Part no.	open	depth	packing
6540403	2-3/4"	3/4"	2/4.0/4.2/0.22'
6540404	4"	1"	2/6.5/6.8/0.24'
6540405	5"	1"	2/9.6/10.0/0.43'
6540406	5-1/2"	1"	2/13.6/14.0/0.6'

Cross vise



65405	Jaw	
Part no.	open	packing
6540503	3"	1/6.2/7.2/0.31'
6540504	4"	1/10.0/11.0/0.44'
6540505	5"	1/13.5/14.5/0.50'
6540506	6"	1/16.5/17.5/0.65'

Forged steel bench vise



65406	Jaw	Throat	
Part no.	open	depth	packing
6540604	4"	8.4	1/8.4/9.4/0.30'
6540605	5"	12.5	1/11.5/12.5/0.63'
6540606	6"	20.5	1/19.5/20.5/1.02'

Heavy duty bench vise



65402...A		size		
Part no.	inch	packing	kg	
6540204A	4"	1/7.3/8.3/0.36'	7.7	
6540205A	5"	1/11.0/12.0/0.48'	11.2	
6540206A	6"	1/14.0/15.0/0.57'	14.5	
6540208A	8"	1/19.2/20.2/0.91'	19.2	
6540210A	10"	1/27.0/29.0/1.40'	25.6	

The nut and the base are one-piece forged, instead of being jointed together later by screws.
The strengthened structure ensures the firm and steady joint between the base and the lead screw, and thus the jaws can provide you with powerful and sturdy grip to weighty pieces.

Heavy duty ductile octagonal supporting vise



65407		size		
Part no.	inch	packing	kg	
6540706	6"	1/27.0/28.0/0.85'	28.0	
6540708	8"	1/41.0/42.0/1.43'	40.5	

The nut fits completely into the jaw. The nut which is not movable mates and works precisely with the lead screw.

Heavy duty ductile square supporting vise



65408		size		
Part no.	inch	packing	kg	
6540804	4"	1/15.0/16.0/0.50'	15.0	
6540805	5"	1/17.0/18.0/0.53'	17.0	
6540806	6"	1/18.6/19.6/0.60'	18.6	

The nut fits completely into the jaw. The nut which is not movable mates and works precisely with the lead screw.

9pc Measuring tools set


5096

6/8.1/9.1/0.9"

1666g

	1pc	5096P1	Steel vernier caliper
	1pc	5096P2	Auto center punch
	1pc	5096P3	Stainless steel straight ruler 30 cm
	1pc	5096P4	Stainless steel protractor
	1pc	5096P5	Screw pitch gauges 0.25-6 (MM)
	1pc	5096P6	Screw pitch gauges 4-62 (SAE)
	1pc	5096P7	Steel scriber
	1pc	5096P8	5m measuring tape
	1pc	61802	Feeler gauges of 26 sizes (SAE & MM)

20pc Feeler gauge


618

100/10.4/11.4/1.1"

104g

- Length: 105 mmL
- Included 20 blades 0.05 mm to 1.00 mm

20pc Long feeler gauge 150 mmL (rounded-rectangle-shaped)


618L

80/15.6/16.6/0.7"

185g

- Length: 150 mmL
- Rounded-rectangle-shaped
- 20 blades-0.05 mm to 1.00 mm

9pc Offset feeler gauge



61803

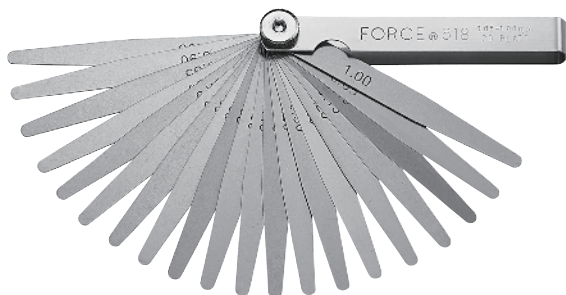
100/8.0/9.0/1.1'

104g

- Length: 100 mmL
- Size: 0.009"; 0.015"; 0.016"; 0.017"; 0.018"
0.019"; 0.020"; 0.021"; 0.026"
- Decimal sizes & metric equivalents on each blades.
- Blades LxW: 4"x1/2" (100x13 mm)



26pc Feeler gauge



61802

100/12.0/13.0/1.1'

120g

- Length: 95 mmL
- Included 26 blades
0.04 mm (.0015"); 0.05 mm (.002"); 0.06 mm (.0025")
0.08 mm (.003"); 0.10 mm (.004"); 0.13 mm (.005")
0.15 mm (.006"); 0.18 mm (.007"); 0.20 mm (.008")
0.23 mm (.009"); 0.25 mm (.010"); 0.28 mm (.011")
0.30 mm (.012"); 0.33 mm (.013"); 0.35 mm (.014")
0.38 mm (.015"); 0.40 mm (.016"); 0.43 mm (.017")
0.45 mm (.018"); 0.48 mm (.019"); 0.50 mm (.020")
0.53 mm (.021"); 0.55 mm (.022"); 0.58 mm (.023")
0.60 mm (.024"); 0.63 mm (.025")

Steel vernier caliper (A type)



5096P1A

48/12.0/13.0/1'

251g

- Length: 230 mm

5096P1A30

20/13.6/14.6/0.9'

678g

- Length: 300 mm

Measuring tape



5096P8			
	size		
Part no.	m	packing	g
5096P803	3	100/20.0/21.0/2.6'	90
5096P8	5	100/20.0/21.0/2.6'	180
5096P808	8	60/21.6/22.6/2.2'	270
5096P810	10	60/27.5/28.5/2.2'	420

Auto-stop measuring tape



5096A8			
	size		
Part no.	m	packing	g
5096A803	3	100/14.0/15.0/3.2'	140
5096A805	5	100/21.5/22.5/3.2'	215
5096A808	8	60/28.3/29.3/2.2'	472



Measuring tape



5096A8			
	size		
Part no.	m	packing	g
5096A815	15	20/7.8/8.8/1.58'	256
5096A830	30	20/10.5/11.5/2.03'	433
5096A850	50	20/18.0/19.0/2.8'	900

Measuring tape 100M



5096P8100	size		
Part no.	m	packing	g
5096P8100	100	10/15.0/17.0/2.6'	1306

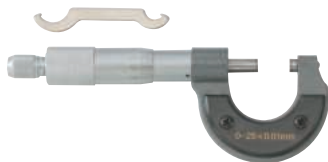
Aluminum box level



891	Length		
Part no.	inch	packing	g
891300	12	50/11.3/12.3/1.3'	215
891400	16	50/13.5/14.5/1.6'	270
891600	24	50/19.5/20.5/1.7'	390

- 1.5 mm thickness aluminum alloy body.
- Cylindrical vials
- Accuracy: 1 mm/M

Micrometer



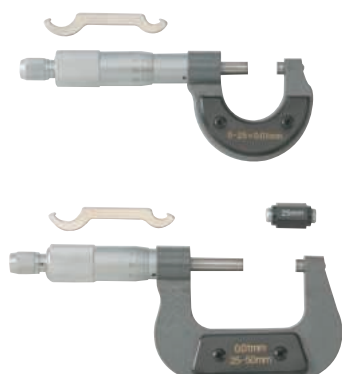
5096P9025



5096P9050~5096P9100

5096P9	Range	
Part no.	mm	packing
5096P9025	0-25	50/15.0/16.0/0.6'
5096P9050	25-50	50/17.9/18.9/0.8'
5096P9075	50-75	30/14.5/15.5/0.9'
5096P9100	75-100	25/20.0/21.0/1.0'

Micrometer

NEW


5096P9...A

Part no.	Range mm	packing mm
5096P9025A	0-25	50/15.0/16.0/0.6'
5096P9050A	25-50	50/18.1/19.1/0.8'
5096P9075A	50-75	30/14.7/15.7/0.9'
5096P9100A	75-100	25/20.0/21.0/1.0'

- Precision: 0.01 mm, reading: 0.001 mm

Dial gauge



891A01

 50/3.3/4.3/1.3'

 64g

- Range: 0-8 mm
- Reading: 0.01 mm



Magnetic base



891B01

 10/13.7/14.7/0.86'

 1370g

- Holding power: 80 kgw



Torque angle meter (clip)



9G1801

24/12.4/13.4/2.1' 466g

9G1801A

24/15.8/16.8/2.1' 668g

- **9G1801** is used with 1/2"DR
- **9G1801A** is used with 3/4"DR
- Commonly used for tightening head bolts and other bolts where a torque angle is required.



Torque angle meter (magnetic)



9G1802

24/12.4/13.4/2.1' 460g

9G1802A

24/15.8/16.8/2.1' 652g

- **9G1802** is used with 1/2"DR
- **9G1802A** is used with 3/4"DR
- Commonly used for tightening head bolts and other bolts where a torque angle is required.

Infrared thermometer



9U0401

24/5.4/6.4/2.0' 175g

- Laser indicator
- Changeable between: °C and °F
- Temperature range: -20 to 500°C
- Operating temperature: 0 to 50°C
- Storage temperature: -20 to 50°C
- Precision: ±2.5% or 3°C
- Distance-to-Spot: 10:1
- Power supply: 9V battery

Multi-function magnetic pick-up


617

100/8.9/9.9/1.1'

89g

- Magnetic pick-up tool in telescopic extended, maximum 63 cm extension.
- Take off the cap of bottom, the needle point head can be used for making when draw a line or clean the narrow slot and small hole.
- Attach a fully adjustable mirror for inspection.
- All-in-one handy tool with pocket clip.
- Length: 235 mm

3-in-1 Magnetic flexible pickup tool with light & mirror


617L

48/17.0/18.0/2.6'

333g



- Positive action turn on/off switch
- Magnetic pick-up 5 lbs. (2.3 kgw)
- Flexible shank of dia. 8.3 mm and length 560 mm (22")
- Round glass mirror of dia. 39mm
- Inspection light is operated with 3pc micro alkaline, LR44 batteries.

Heavy-duty flexible magnet pick-up tool


61701

100/19.0/20.0/3.1'

190g



- Flexible shank diameter 8.5 mm; 440 mmL
- With plastic PVC grip
- Magnetic capacity: 3.5 Lbs (1.6 Kgw)
- Overall length: 535 mm (21")

Flexible magnet pick-up tool



61702

72/11.0/12.0/1.8'

150g

- Flexible shank diameter 5.0 mm; 400 mmL
- With plastic PP grip
- Magnetic capacity: 1.5 Lbs (0.7Kgw)
- Overall length: 510 mm (20")

3-Claw pick-up tool

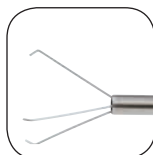


88901

150/15.1/16.1/1.2'

100g

- Length: 560 mmL



Telescopic magnetic pick-up tool



88902

200/12.0/13.0/1.2'

60g

- 7-section extension rod.
- Length: 135-650 mm.
- Magnetic capacity: 3.5 LBS (1.6 kg).
- With pocket clip.

EZ-release magnetic pick-up



88011

12/8.0/9.0/2.1'

660g

- 680 mmL (26-3/4")
- Capacity: 8 LBS (3.63 kg)

Functions:

- EZ- Release magnetic pick up tool has a magnetic device that is able to attract any metallic items or spare parts laying on the floor without having to go through the trouble and pick them up one by one.

Midi EZ-release magnetic pick-up


88012

24/15.1/16.6/2.5'

630g



- 110 x 110 x 190 mm
- Capacity: 10 LBS (4.54 kg)

Functions:

- Easy pick-up and release of metallic materials.
- Just squeeze the handle to quickly release material.



Round magnetic tray


88001

30/12.0/13.0/1.5'

400g



- Ø150 mmL

Functions:

1. One heavy duty 1000~1200 gauss permanent magnets.
2. Vulcanized rubber coating prevent scuffing and scratching to valuable surface.
3. Stainless steel tray resists corrosion.
4. Can be used horizontally, vertically, and upside down.
5. Convenient for collecting small parts and tools.

Rectangular magnetic tray (2 magnets)


88002

20/14.7/15.7/2.28'

735g



- L242 mm x W132 mm

Functions:

1. 1.5-1/2" x 9-1/2" x 1-1/2" rectangle Stainless steel tray.
2. Two Heavy Duty magnets with durable rubber coating to help prevent scuffing and scratching.
3. Great for small parts, fasteners and tools.
4. Can be used horizontally, vertically or upside down.

Rectangular magnetic tray (3 magnets)



88003

12/15.0/16.0/1.4'

1250g

• L360 mm x W160 mm

Functions:

1. 14-1/8" x 6-1/4" x 1-1/2" rectangle Stainless steel tray.
2. Three Heavy Duty magnets with durable rubber coating to help prevent scuffing and scratching.
3. Great for small parts, fasteners and tools.
4. Can be used horizontally, vertically or upside down.

Square magnetic tray



88004

6/8.5/9.5/1.42'

1420g

• L293 mm x W270 mm

Functions:

1. Square Stainless steel tray.
2. Heavy Duty magnets with durable rubber coating to help prevent scuffing and scratching.
3. Great for small parts, fasteners and tools.
4. Can be used horizontally, vertically or upside down.

LED White light, clip-type (360° rotation)



68601

120/7.3/8.3/1.9'

61g

• 3 LEDS.



Limber magnetic LED light



68602

120/10.2/11.7/3.5'

85g

• 3 LEDS.



Flash light with zoom in/out function

NEW

68607A

30/3.7/4.7/0.4"

122g

- Bulb type: CREE XPE LED
- Battery: AAA x 3pc or 18650 x 1pc (not included)
- Size: Ø34 x Ø27 x 116 mmL
- Three light modes: High/Low/Strobe
- Lumen: High - 240 lumen,
Low - 100 lumen

20W LED Flash light

NEW

68613

30/6.0/7.0/0.66"

200g

- Size: 162 x 43 x 32 mm
- Lumen: 2200 / 1600 / 1100 lm
- Features 5 adaptable settings:
High, Medium, Low, Strobe, SOS
- Working time :
1 Hour (High) / 2 Hours (Medium) / 3 Hours (Low)
based on 2600mAh Li battery.
- Charging time: Input 1A maximum 3 hours
- Battery: (not included)
AAA x 3pcs or 18650 x 1pc or 26650 x 1pc
- Power: 20W
- Bulb type: P70 LED

10W LED working light


68608

20/12.0/13.0/1.6"

490g



- Size: 330 x 95 x 100 mm
- Charging time: 3.5-4 hours
- Input power: AC 100-240V, DC 12V-24V
- Battery: 3.6V 2250 mAh NI-MH
- Working time: 4 hours when fully charged
- Activetime: 2.5 hours



Ultra COB LED slim light (lumen-adjustable switch)



68611

20/6.5/7.5/1.2'

325g



- Specifications:
 - A. LED Max power: 15W LED COB light
 - B. Li-ion rechargeable battery: 3.7V 2200 mAh
 - C. Charger input: AC100-240V 50/60Hz
 - D. Power output: 5.0V 1000mAh
 - E. Charger time: 3.5-4.0 hours
 - F. Active time: 2.5 hours
 - G. Storage temperature: -20°C to 70°C
 - H. Operation temperature: -5°C to 50°C
 - I. Product size: 375(L) x 40(W) x 30(H) mm

Features:

1. Micro adjustment lumen switch
2. Foldable base with powerful magnet
3. Swivel hanging hook
4. Built-in 2200 mAh LI-ion battery
5. For full light-approx 2.5 hours working hours,
for semi light-approx 10 working hours
6. 4 hours charging time:
in charging -red indicator flash,
charged completed-blue indicator light on,
low battery -yellow indicator flash
7. Comes with 5V 1A USB charger & USB cable

LED COB Slim work light (nature white + yellow light)

NEW



68611Y

20/9.9/10.7/2'

378g



- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Function switch available aside.
- Swivel base with powerful magnet.
- Swivel hanging hook.
- Application: lighting / polishing / waxing.
- Charging battery - use USB charger and USB cord connect to the USB charging port and then plug into socket for re-charging.
- Built-in 3350 mAh Li-ion battery capacity.
- LED Max power:
 - nature white: 620 lumens 10W COB LED
 - yellow light: 600 lumens 10W COB LED
 - nature white + yellow light: 770 lumens 20W COB LED
- Charging time: 3.5 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.

LED COB Slim work light (nature white + UV light)

NEW

68611U

20/9.9/10.7/2'

378g

- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Function switch available aside.
- Swivel base with powerful magnet.
- Swivel hanging hook.
- Application : lighting / A/C refrigerant / coolant leak.
- Charging Battery – use USB charger and USB cord connect to the USB charging port and then plug into socket for re-charging.
- Built-in 3350 mAh Li-ion battery capacity.
- LED Max power:
nature white: 620 lumens 10W COB LED
UV light: 4.822
- Charging time: 3.5 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.

5W COB LED pen light


68612

100/8.0/9.0/1.4'

82g

- Size: 165x25x30 mm
- 5W LED COB light
- 360 degree of rotation
- Clip with magnet

2-IN-1 LED Focus adjustable flashlight / COB work light

NEW

68611S

50/11.4/12.4/1.3'

145g

- Lumen switch: turn for on/off, and then turn right or left for necessary light.
- Focus adjustable.
- Swivel base with powerful magnet.
- Charging battery-use USB charger and USB cord connected to the USB charging port and then plug into socket for re-charging.
- Built-in 2200 mAh Li-ion battery capacity.
- LED Max power: 400 Lumens 8W COB LED + 3W tip light.
- Charger time: 3.5-4.0 hours.
- Active time: more than 3 hours.
- Charger input: AC100-240V 50/60Hz.
- Product size: 230(L) x 30(W) x 40(H) mm.

17pc 3/8"DR. Insulated socket set



3173N

10/21.5/22.5/1.97" Δ 2100g

	14pc	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	1pc	Insulated ratchet handle 45teeth (802320N)
	2pc	6"(150mm); 10"(250mm)

31pc 3/8"DR. Insulated tool set



3313N

3/12.2/13.2/1.5' Δ 4000g

	14pc	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	1pc	Insulated ratchet handle 45teeth (802320N)
	2pc	6"(150mm); 10"(250mm)
	1pc	7"(175mm)
	1pc	6.3"(160mm)
	1pc	6.3"(160mm)
	2pc	PH.1 (80mmL); PH.2 (100mmL)
	3pc	2.5mm (75mmL); 4mm (100mmL); 5.5mm (125mmL)
	5pc	7; 8; 10; 12; 14 mm
	1pc	Multi-function screwdriver voltage tester 110 - 250V AC (88411)

31pc 3/8"DR. Insulated tool set

NEW



3313NL

3/12.9/13.9/1.5' Δ 4298g

	14pc	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	1pc	Insulated ratchet handle 45teeth (802320N)
	2pc	6"(150mm); 10"(250mm)
	1pc	8"(200mm)
	1pc	8"(200mm)
	1pc	8"(200mm)
	2pc	PH.1 (80mmL); PH.2 (100mmL)
	3pc	2.5mm (75mmL); 4mm (100mmL); 5.5mm (125mmL)
	5pc	7; 8; 10; 12; 14 mm
	1pc	Multi-function screwdriver voltage tester 110 - 250V AC (88411)

10pc Insulated plier and screwdriver set


51016N
 3/9.1/10.1/1.5'  3030g

	1pc	Multi-functional stripper pliers (6805A)
	1pc	8"(200mm)
	1pc	8"(200mm)
	1pc	8"(200mm)
	2pc	PH.1 (80mmL); PH.2 (100mmL)
	3pc	2.5mm (75mmL); 4mm (100mmL); 5.5mm (125mmL)
	1pc	Adjustable non-contact wire tracer (88407)

15pc Insulated combination set


5157N
 3/11.1/12.1/1.5'  3758g

	1pc	10"(250mm)
	1pc	Multi-functional stripper pliers (6805A)
	1pc	8"(200mm)
	1pc	8"(200mm)
	1pc	6.3"(160mm)
	2pc	PH.1 (80mmL); PH.2 (100mmL)
	6pc	2.5mm (75mmL); 3mm (100mmL); 3.5mm (100mmL); 4mm(100mmL); 5.5mm (125mmL); 6.5mm (150mmL)
	1pc	1/4"DR.x1/4"(F)
	1pc	Multi-function screwdriver voltage tester 110 - 250V AC (88411)

6pc Insulated extra long hex key set

NEW

K50641N
 12/9.5/10.5/1.1'  788g

	6pc	2.5; 3; 4; 5; 6; 8 mm
---	-----	-----------------------

9pc Insulated extra long star key set

NEW



K50926N

6/6.9/7.9/0.78'

1152g



9pc

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

3/8"DR. Insulated 6pt. flank socket

NEW



535...M



l



Part no.	mm	mm	g
53506M	6	44.5	24
53507M	7	44.5	25
53508M	8	44.5	26
53509M	9	44.5	27
53510M	10	44.5	27
53511M	11	44.5	28
53512M	12	44.5	29
53513M	13	44.5	32
53514M	14	44.5	35
53515M	15	46	39
53516M	16	46	41
53517M	17	46	49
53518M	18	46	48
53519M	19	46	53
53520M	20	46	55
53521M	21	46	56
53522M	22	46	64
53524M	24	46	66

3/8"DR. Insulated 6pt. flank deep socket

NEW



53580...M



l



Part no.	mm	mm	g
5358008M	8	80	49
5358010M	10	80	60
5358012M	12	80	68
5358013M	13	80	73
5358014M	14	80	76
5358017M	17	80	96
5358019M	19	80	110

3/8"DR. Insulated 12pt. flank socket



539...N		<i>l</i>	
Part no.	mm	mm	g
53906N	6	43	28
53907N	7	43	30
53908N	8	43	30
53909N	9	43	30
53910N	10	43	30
53911N	11	43	30
53912N	12	44	30
53913N	13	44	31
53914N	14	44	38
53915N	15	44	47
53916N	16	46	47
53917N	17	46	54
53918N	18	46	58
53919N	19	46	61

3/8"DR. Insulated hex socket bit

NEW


334...M		<i>l</i>	
Part no.	mm	mm	g
33404M	4	64	37
33405M	5	64	38
33406M	6	64	39
33408M	8	64	42
33410M	10	64	52

3/8"DR. Insulated extension



8043...N	<i>l</i>	
Part no.	mm	g
8043150N	150-6"	160
8043250N	250-10"	260

3/8"DR. Locking extension

NEW


8083...M	<i>l</i>		
Part no.	mm	packing	g
808306M	150-6"	100/14.5/15.5/0.6'	140
808310M	250-10"	50/11.9/12.9/0.52'	228

3/8"DR. Insulated torque wrench



6473268N	Capacity		
Part no.	Nm	packing	g
6473268N	5-25	12/20.4/21.2/1.12'	1700

3/8"DR. Insulated ratchet handle 45teeth



802320N	<i>l</i>		
Part no.	mm	packing	g
802320N	200	20/7.9/8.9/0.71'	354

3/8"DR. Insulated quick-release ratchet handle 45teeth

NEW



802320M	<i>l</i>	
Part no.	mm	g
802320M	200	312

3/8"DR. Insulated extension T handle



7743200N	<i>l</i>		
Part no.	mm	packing	g
7743200N	207	50/21.8/22.8/1.7'	400

Insulated combination pliers



6901225	<i>l</i>		
Part no.	mm	packing	g
6901225	225-9"	30/13.8/14.8/1.5'	528

Insulated bent nose pliers



6902	<i>l</i>		
Part no.	mm	packing	g
6902160	160-6"	60/11.1/12.1/1.9'	185
6902200	200-8"	60/17.4/18.4/1.87'	290

Insulated combination pliers



6903	<i>l</i>		
Part no.	mm	packing	g
6903160	160-6"	60/15.0/16.0/2'	250
6903180	180-7"	60/18.0/19.0/2'	300
6903200	200-8"	60/22.5/23.5/2.1'	375

Insulated long nose pliers



6904	<i>l</i>		
Part no.	mm	packing	g
6904160	160-6"	60/11.1/12.1/1.9'	185
6904200	200-8"	60/17.4/18.4/1.9'	290

Insulated diagonal cutting pliers



6905	<i>l</i>		
Part no.	mm	packing	g
6905160	160-6"	60/14.4/15.4/2'	240
6905180	180-7"	60/20.0/21.0/2.1'	284

Insulated waterpump pliers (Curved jaw)



6907250	<i>l</i>		
Part no.	mm	packing	g
6907250	250-10"	30/14.1/15.1/1.5'	280

Insulated long round nose pliers



6908160	<i>l</i>		
Part no.	mm	packing	g
6908160	160-6"	60/10.2/11.2/1.9'	170

Insulated cable cutter



6909250	<i>l</i>		
Part no.	mm	packing	g
6909250	250-10"	30/16.8/17.8/1.5'	530

Insulated diagonal pliers



6911	<i>l</i>		
Part no.	mm	packing	g
6911180	180-7"	60/15.3/16.3/2'	255
6911200	200-8"	60/17.4/18.4/2'	290

Insulated wire stripper pliers



6912160	<i>l</i>		
Part no.	mm	packing	g
6912160	160-6"	60/11.4/12.4/2'	190

Insulated flat nose pliers



6913160	<i>l</i>		
Part no.	mm	packing	g
6913160	160-6"	60/12.0/13.0/1.9'	200

Insulated cable cutter



6914	<i>l</i>		
Part no.	mm	packing	g
6914160	160-6"	60/12.0/13.0/2.8'	180
6914200	200-8"	60/18.0/19.0/2.1'	300

Multi-functional pliers

NEW



6915220	<i>l</i>		
Part no.	mm	packing	g
6915220	220-8.5"	60/16.3/17.3/2'	286

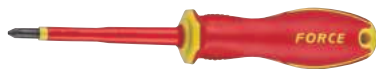
- Gripping
- Wire crimping
- Stripping 1.5 & 2.5 mm² cable wires
- Superb cutting function

Insulated screwdriver



711N 

• Please refer to P4-66



712N 

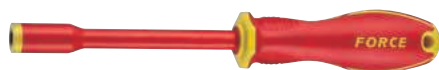
• Please refer to P4-66



713N 

• Please refer to P4-66

Insulated hex nut driver



744N 

• Please refer to P4-66

Insulated extra long hex key

NEW



764...N

		<i>l</i>	<i>l</i>	
Part no.	Tip	short	long	g
764025N	2.5	25	133	15
76403N	3.0	25	133	15
76404N	4.0	35	171	58
76405N	5.0	35	171	58
76406N	6.0	46	216	162
76408N	8.0	46	216	164

Insulated extra long star key

NEW



766...N

		<i>l</i>	<i>l</i>	
Part no.	Tip	short	long	g
76610N	T10	25	133	15
76615N	T15	25	133	15
76620N	T20	35	171	58
76625N	T25	35	171	58
76627N	T27	35	171	58
76630N	T30	35	171	58
76640N	T40	46	216	162
76645N	T45	46	216	163
76650N	T50	46	216	163

Fully insulated adjustable wrench



649M	<i>l</i>		
Part no.	mm	packing	g
649M200	200	40/13.6/16.5/1.20'	275
649M250	250	24/15.4/16.9/1.10'	530
649M300	300	16/16.0/17.5/1.05'	852

Insulated adjustable wrench



649N	<i>l</i>		
Part no.	mm	packing	g
649N200	200	64/18.2/19.2/0.81'	275
649N250	250	32/16.6/17.6/0.7'	505
649N300	300	16/15.4/16.9/1.1'	680

Insulated open end wrench



829	Size	<i>l</i>	
Part no.	mm	mm	g
82907	7	89	20
82908	8	99	26
82909 NEW	9	107.5	35
82910	10	114	40
82911	11	123	53.6
82912	12	134	61
82913 NEW	13	144	87
82914	14	155	96
82915 NEW	15	163	123
82916 NEW	16	163	117
82917	17	190	147
82918 NEW	18	180	141
82919 NEW	19	180	146
82920 NEW	20	194	199
82921 NEW	21	194	196
82922 NEW	22	194	192
82923 NEW	23	224	291
82924 NEW	24	224	294

Insulated 75° offset ring wrench



829A

	Size	<i>l</i>	
Part no.	mm	mm	g
829A07	7	147	52
829A08	8	156	62
829A10	10	167	73
829A12	12	188	90
829A14	14	199	135

Insulated scissors (with small breach)

NEW



6982M

	<i>l</i>		
Part no.	mm	packing	g
6982M	160	100/12.7/13.7/3.2'	102

- Material: Stainless steel 420
- Surface finishing: Normal polished finish

Insulated knife



83001



83002

830

		<i>l</i>	
Part no.	Shape	mm	g
83001	Straight	150	145
83002	Curved	150	148

Adjustable non-contact wire tracer



88407

 100/5.4/6.4/1.3'  54g

- Testing range: 12-600V AC 50-60HZ.
- Locates breaks along live, insulated wires and power cords.
- Adjustable sensitivity allows tracing of wires behind walls, around switches or receptacle.
- Easy to recognize by audio signal and LED indicator.
- Operates by two LR44, 1.5V batteries included.

Universal voltage tester



88408

60/9.7/10.7/2.7'

142g

- Testing range: 6-400V AC / DC.
- This voltage tester is designed for industrial purposes and hobbyists and is suitable for domestic voltage and heavy current circuits.
- Display: $\pm 6, 12, 24, 50, 120, 220$
400V AC / DC=LED
(ED): 30sec
I max: 30mA

Circuit voltage tester

NEW



88423A

100/6.0/7.0/3.2'

60g

- Checks 6-24V DC
- Fully shielded indicator bulb
- Insulated test lead with alligator clip.
- Pointed probe for piercing wires.



Heavy duty circuit tester

NEW



88432A

50/10.5/11.5/2.2'

148g

- Check on 6/12/24V DC systems.
- This can be helpful for tracing faults or adding cables to a circuit.
- 5-ft flexible rubber wire with spring relief.
- Heavy duty insulated alligator clip.

Digital circuit tester

NEW

88436

24/5.5/6.5/2'

172g

- Features an easy-to-read LCD digital display which shows the accurate voltage value.
- Compatible with most vehicles including: cars, motorcycles, commercial vehicles, trailers, boats, agricultural machinery and mild hybrid vehicles.
- Suitable for testing on 6/12/24/42/48V DC systems.
- With a spring cable which can be extended to 3m (12ft).



Digital automotive meter

NEW

88445

12/11.0/12.5/1.6'

844g

- Auto ranging
- Auto power off
- Overload protections
- Safety input jacks
- Safety test leads
- RPM: 600-3200, 6000-12000 $\pm 2\%$
- Dwell Angle: 4, 5, 6, 8 Cylinders $\pm 2\%$
- Duty cycle: 0-90% >100us, <100ms $\pm 2.0\%$
- DC Volts: 400mV, 4V, 40V, 400V, 600V $\pm 1.0\%$
- AC Volts: 400mV, 4V, 40V, 400V, 600V $\pm 2.0\%$
- DC Current: 400uA, 4000uA, 40mA, 400mA, 10A $\pm 2.0\%$
- AC Current: 400uA, 4000uA, 40mA, 400mA, 10A $\pm 2.0\%$
- Resistance: 400 Ω , 4k, 40k, 400k, 4M, 40M Ω $\pm 1.5\%$
- Frequency: 10 Hz - 400kHz $\pm 0.1\%$
- Temperature: -20°C to 1000°C,
-4°F to 1832°F $\pm 2.0\%$ k-Type thermocouple
- Resolution: 1RPM, 0.1mV, 0.1uA, 0.1 Ω , 1Hz, 0.1°C, 0.1°F
- Diode test
- Continuity test
- Data Hold

Ratchet terminal tool kit

**68013** 10/13.0/14.0/1' 1060g

- Crimps insulation, non-insulation & open barrel terminals.
- Built-in ratchet with safety release assures uniform crimp every time.
- It releases and opens automatically when crimping is done.
- Applicable:
 - Insulated terminal (0.5-1.0/1.5-2.5/4.0-6.0 mm²) (68013-H1)
 - Non-insulated terminal (1/2/4/6-10 mm²) (68013-H15)
 - Open barrel non-insulated terminal (0.5-1.0/1.1-2.5/4.0-6.0 mm²) (68013-H3)
 - Cord-end insulated terminal (0.5/0.75/1.0/1.5/2.5/4.0 mm²) (68013-H2)

Contents:

- 1pc Terminal pliers. (6803) (include 1pc 68013-H3)
- 3pc Die nests. (68013-H1, 68013-H2, 68013-H15)
- 1pc Wire stripper.
- 1pc Hex key wrench.

Terminal pliers red, blue, yellow


6801

30/17.7/18.7/1.3' 540g

• For terminal:



(The terminals are not included.)

Terminal pliers 0.5; 0.75; 1.0; 1.5; 2.5; 4


6802

30/17.9/18.9/1.3' 550g

• For terminal:



(The terminals are not included.)

Terminal pliers 0.5-1; 1.1-2.5; 4-6


6803

30/15.9/16.9/1.3' 530g

• For terminal:



(The terminals are not included.)

Crimp lever pliers


6807

30/16.5/17.5/1.3' 550g

- Suitable for RG58, RG59/62, BNC/TNC coaxial connectors
- Size: 0.256(6.48mm), 0.319(8.13mm), 0.068(1.73mm), 0.213(5.41mm)

Terminal pliers 1; 2; 4; 6-10



68015

30/17.1/18.1/1.3' 570g

- For terminal:



(The terminals are not included.)

Stripper pliers



6804

60/14.3/15.5/1.7' 220g

- Two functions:
A cutter & a stripper for electrical cables of 0.2mm² to 6 mm² in diameter.

Wire stripper pliers



6804B160

60/9.6/10.6/2' 160g

- Length: 160mm-6.3"

Multi-functional stripper pliers



6805A

60/20.1/21.1/2.3' 335g

- Remove the layer and cut off the wire of AWG 10-AWG 24 (0.5-6.0 mm²). The tool will not damage the internal lines but keep the terminal steady.
- Crimp 10-22 AWG (0.5-6.0 mm²) insulated terminals.
- Crimp 10-22 AWG (0.5-6.0 mm²) non-insulated terminals.
- Crimp 7-8 mm ignition terminals.

Multi-purpose crimping tool

NEW

6806A

40/12.0/13.0/1.1' 258g

- Wire cutter
- Crimping non-insulated terminals: 1.5, 2.5, 4-6 mm²
- Crimping open-barrel terminals: 0.5, 2.5, 4-6 mm²
- Cutting bolt: M2.5, M3, M3.5, M4, M5
- Crimping insulated terminals: 0.5-1.5, 1.5-2.5, 2.5-6 mm²
- Wire stripper: 0.75, 1.0, 1.5, 2.5, 4.0, 5-6 mm²
AWG 20-22, 18-20, 16-18, 14-16, 12-14, 10-12

Cable, wire stripper


68011

200/25.5/26.5/3.1' 125g

- Remove the layer and cut off the electrical cable
- For wire 0.8-2.6 mm
- Cable stripper for the wire under 9.5mm



Cable stripper


6808

100/10.0/11.0/1.8' 100g

- Able to strip cable up to 4mm-28mm (dia.).

Cable stripper


6809

100/10.5/11.5/2' 100g

- Able to strip cable up to 8mm-28mm (dia.).

Cable Stripper

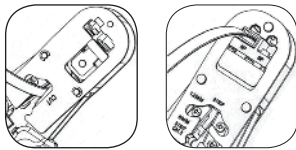


68010

 100/12.5/13.5/2.0'  220g

- Able to strip cable up to 4.5mm-25mm (dia.).

Telecrimper



68012

 48/20.7/21.7/1.4'  400g

- Cuts, strips & crimps integral in one tool.
- With built-in length stop for precisely length stripping.
- 2 crimp functions with a single tool without changing dies.
- Advanced ratchet system.
- Precision CNC grounded crimping teeth.
- Crimp RJ45 & RJ11 Modular plugs.

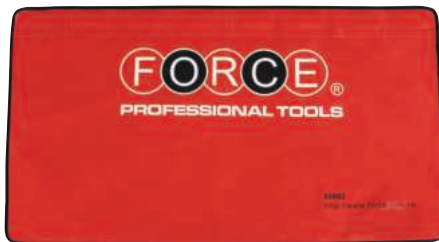
Magnetic fender cover with 4 pockets


88801

17/16.7/17.7/4.0' 980g

- Size:110cmx56cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface.
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.

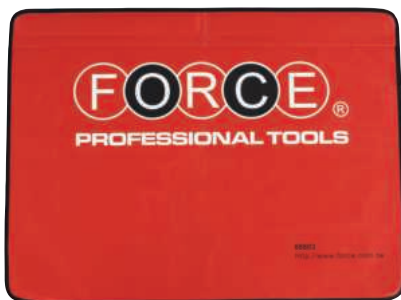
Magnetic fender cover w/o pockets


88802

18/13.2/14.2/4.0' 734g

- Size:110cmx56cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface.
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.

Magnetic fender cover w/o pockets


88803

18/10.2/11.2/4.0' 566g

- Size:80cmx60cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface.
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.

Magnetic fender cover w/o pockets



88804

 18/11.9/12.9/4.0'  660g

- Size: 108cmx39cm
- Front cover made with PVC Sponge leather, backing is TR/BRUSH which does not damage or scratch any surface.
- Top row includes STRONG magnets, which attract and stay on any metal surface easily.
- Easy to open and fold into compact size.
- The magnets are removable and replaceable before and after washing the fender cover.

Seat cover



G81

 50/17.3/18.3/1.5'  350g

- Size: 140cmx70cm

Steel creeper



9U0311

 1/7.8/8.8/1.8'  8kg

- Six wheels make the movements easily.
- The pillow is removable and replaceable.
- Size: 93×50×12 cm

Steel car seat


9U0312

1/5.8/6.5/1.1'

7.5kg

- Size: 40 x 30 x 30 cm
- Tools not included.

Steel car seat


9U0313

1/6.0/6.7/1.08'

6kg

- Strong and stable frames.
- Plastic corner for protection

Auto-rewinder air hose reel


9U0201

3/20.0/21.0/3.0'

6500g

- Size: 330 x 150 x 410 mm
- Inlet / Outlet: 1/4"
- Maximum Pressure: 300 PSI
- Hose Length: 15m
- Hose I.D.: 5/16"

Auto-rewinder air hose reel


9U0201A

20/19.0/20.0/3.0'

6335g

- Size: 330 x 150 x 410 mm
- Inlet / outlet: 1/4"
- Maximum pressure: 300 PSI
- Hose length: 12m
- Hose I.D.: 3/8"

High-volume air nozzle (slide type)



9U0221

120/4.0/5.0/1.8'

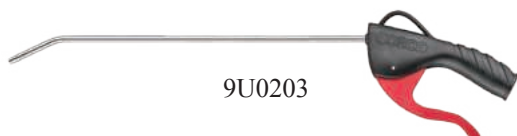
33g

- Equip the nozzle on pipes, in spiral direction, and tighten the bolt and the nozzle onto pipes.
- High-volume air nozzle produces an air volume that triples that of a regular blow gun.
- Inner O-ring attachment design, protect pipes of air blow gun.
- Applicable for any air blow guns with Ø6mm or Ø8mm pipes.

Air blow gun



9U0202



9U0203

9U0202

60/10.0/11.0/1.6'

167g

9U0203

50/12.0/13.5/2.9'

240g

- It is suitable for removing and cleaning any kinds of chip.

Specification:

- Length: 4" (**9U0202**) / 13" (**9U0203**)
- Working pressure: 78-120 PSI / 5-8 KGS
- Thread type: 1/4"

Extendable air blow gun

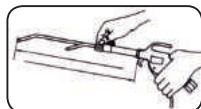


9U0204

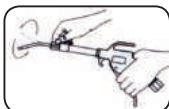


9U0205

Extendable



Revolvable



9U0204

60/17.0/18.0/2.5'

283g

9U0205

50/13.0/14.0/2.9'

260g

- Special extendable tube and swivel angle can work in any kinds of area.

Specification:

- Length: 7"-12" (**9U0204**) / 13"-24" (**9U0205**)
- Working pressure: 78-120 PSI / 5-8 KGS
- Thread type: 1/4"

Multi-functional air blow gun


9U0206

80/20.5/22.5/4.7' 256g

- The air nozzle is slidable.
- Air volume regulator:
Regulating a fixed amount of air volume output.
- Suitable for any industries, such as factories, machine tools, vehicles etc.

Refill pressure sprayer

NEW

9U0207

12/3.5/4.5/1.0' 290g

- Ideal for lubrication, paint, clean dust, antirust, etc.
- Long type nozzle suitable for narrow & difficult space spray.
- Refill pressure with universal adapter for easily to stuff air pressure.
- Build in safety valve pre-setting 90 PSI (6.3 Bar).
- Aluminum canister for long life use.
- Max. Capacity: 650 cc.



Air / Hydraulic pump 1600 c.c.


9U4501

2/15.1/16.1/0.8' 1890g

- Usable oil capacity: 1600 cc
- Rated pressure: 10000 psi

Performance chart											
Pressure (psi)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil flow (c.c./mon)	1250	913	718	598	513	475	393	315	257	233	193

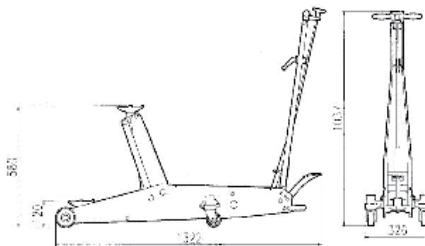
Service jack 3 Ton



9U3921

 1/67.0/71.0/4.6'  67kg

- Ideally suited for all automotive, agriculture and light truck repair facilities.
- Pump is operated by both activating foot pedal to provide speed to contact the load, and activating " T " handle to lift it.
- Hydraulic power unit with dust seals to prevent oil contamination.
- Large heavy duty rear swivel caster wheels provide easy maneuvering and positioning of jack.



Jack stands



9U390

Part no.	Capacity ton	Height range mm	Base size mm	 packing	 kg
9U3901 (one pair)	3	270 - 420	177 x 194	1/6.0/6.6/0.66'	6.0
9U3902 (one pair)	3	290 - 440	177 x 194	1/6.6/7.2/0.66'	6.6

- These models incorporate a lever and ratchet assembly for adjusting the height.
- Same as Model 9U3902 but these models are newly designed with rubber pads which can prevent the auto body from damage.

Jack stands

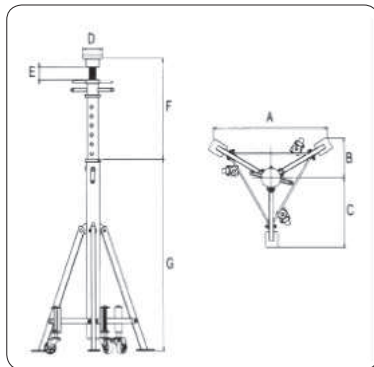


9U390

Part no.	Capacity ton	Height range mm	Base size mm	 packing	 kg
9U3903	12	456 - 710	ψ467	1/18.5/19.5/0.7'	18.5
9U3904	12	614 - 868	ψ590	1/21.0/22.0/1.0'	21.0
9U3905	12	710 - 1065	ψ670	1/25.0/26.0/1.0'	25.0

- These models are designed for use with trucks, height adjustment is made using the knurled nut and threaded stud.

Truck Jack stands



9U391

	Capacity	W		
Part no.	ton	kgw	packing	kg
9U3911	6.8	47	1/43.5/46.0/3.27'	43.5
9U3912	6.8	59	1/56.0/59.0/4.67'	56.0
9U3913	15	98	2/196.0/211.0/58.3'	98.0

	A	B	C	D	E	F	G
Part no.	mm	mm	mm	mm	mm	mm	mm
9U3911	803	235.5	445	127	0	540	870
9U3912	803	235.5	445	127	70	670	1426.5
9U3913	948.5	308.5	513	127	70	700	1389

- The jack stands are of heavy-duty design and high strength legs for truck & bus support.
- 9U3911 & 9U3912 are designed with rubber pad which can prevent the truck & bus body from damage.

Lever type grease gun



887120

 40/24.2/25.9/1.6'  566g

- Electroplated finish for long service life
- Short-stroke "lever action" for easy use
- Uses 120 c.c. bulk grease.

Lever type grease gun



88704 w/Metallic bant spout



88704H9 w/Flexible hose 9"

88704/88704H9

 20/23.0/26.9/2.3'  1136g

- Electroplated finish for long service life
- Short-stroke "lever action" for easy use
- Vented head cap for easy filling
- Use standard 14 oz. grease cartridge
- 3-ways loading: Standard 14 oz. cartridge, pressure filler and bulk 400 c.c.

Hand grease gun (400c.c.)



887400P

12/17.0/18.0/1.6' 1330g

- Chrome-plated finish for long service life.
- Pistol grip "lever action" for easy use.
- Vented head cap & positive lock for easy filling.
- Knurled thick wall barrel for secure grip.
- Uses standard 14oz. grease cartridge.
- Working Pressure: 4300 P.S.I.
- 100mm straight pipe with standard coupler.
- Pistol type with 4-1/2" metal spout.

Air grease gun combination kit



887

Part no.	size	<i>l</i> mm	 g	 packing
88701	14 o.z./400 c.c.	380	2600	8/18.2/21.1/2'
88701L	16 o.z./500 c.c.	380	2775	8/19.6/22.7/2'

Contents:

- 1pc Air grease gun
- 1pc 1/4" Quick release coupler
- 1pc 1/4" Hose fitting
- 1pc Metallic bend spout
- 1pc 9" High pressure nylon hose
- 1pc Manual operated gun head

Features:

- 360°angle-free rotating & continuous flow.
- Where there is no air source or air hose can't reach, you can change the air gun head to the hand-operated gun head to proceed ubrication by manual operation.

Oil suction gun (500c.c.)



887A500

20/17.0/18.0/1.4' 850g

- Perfect for removing or replacing oil in engine/ transmissions/ differentials gearbox sumps/ crankcases, enables easy access to awkward locations.
- Ideal for vehicle & machinery use
- Knurled thick wall barrel for secure grip
- 10" Flexible hose
- Capacity bulk:20 oz / 550 cc

Metal oil can (350ml)


887C01

48/15.4/16.4/4.4' 316g

- Angled spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: steel
- Material of pump: copper
- Volume of container: 350 ml

Metal oil can with flexible spout (350ml)


887C02

48/16.2/17.2/4.4' 316g

- Flexible spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: steel
- Material of pump: copper
- Material of flex spout: PVC
- Volume of container: 350 ml

Plastic oil can with flexible spout (500ml)


887C03

25/4.9/5.9/2.5' 220g

- Flexible spout enables lubricating in difficult-to-access locations.
- Robust pump provides trickle feed supply.
- Material of container: HDPE
- Material of pump: copper
- Material of flex spout: PVC
- Volume of container: 500 ml

Flexible metal funnel



887D01

10/3.4/4.4/2.6'

340g

- Galvanized steel funnel with metallic flexible spout with mesh filter.
- For filling oil easily at inaccessible area.
- Tube length: 370 mm

Oil barrel pump



887P01

10/22.3/23.3/1.9'

2230g

- Two-piece telescopic suction tube fits 15 to 55 gallon drums.
- Tube adjusts from 19-9/32" to 35" (490mm to 890mm)
- Dispenses approximately 350 c.c. per stroke.
- 2" and 1-1/2" NPT bung nuts are equipped.

Oil bucket pump



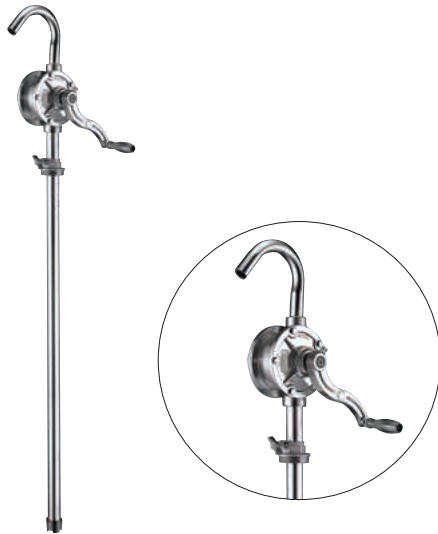
887P02

6/16.5/18.5/3.9'

2750g

- For transferring of transmission, differential and heavier oils.
- Fits 25-50 lb (5-gallon pail) original refinery and 12" I.D. (300mm) clamp-on-carry bucket.
- Dispenses approximately 2 oz.(59 c.c.) per stroke.
- 5 ft. Oil-resistant hose.

Aluminum rotary pump


887P03

6/17.5/18.5/1.4' 2915g

- 887P03 with aluminum alloy body, PPS rotor, PPS vane, FKM seal, spout and suction tube is plate.
- Application: gasoline, diesel fuel, kerosene, lubricant, ethyl alcohol.
- Capacity: 280 CC/rotation.

4pc Jumbo heavy duty pry bar set


904U2

2/17.5/18.5/1.4' 8730g

	1pc	904U2-2470	24"x70°
	1pc	904U2-2490	24"x90°
	1pc	904U2-3600	36" straight
	1pc	904U2-3635	36"x35°

- Extra large handles allow use of both hands for increased leverage
- Textured handle grips for secure hold
- Chrome molybdenum steel shafts
- Hardened and tempered for maximum strength
- Heavy duty 5/8" bar stock
- Go-through shafts with steel end caps

4pc Pry bar set


904U5

12/18.0/19.0/1.7' 1290g

	1pc	904U508	8"(200mm)
	1pc	904U512	12"(300mm)
	1pc	904U518	18"(450mm)
	1pc	904U524	24"(600mm)



4pc Pry bar set

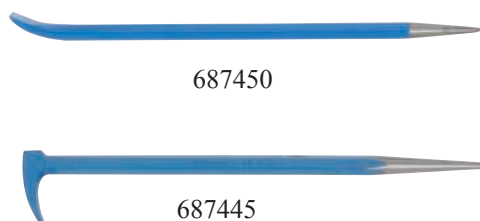


904U6

10/17.0/18.0/1.1' 1700g

	1pc	904U606	6"(150mm)
	1pc	904U612	12"(300mm)
	1pc	904U616	16"(400mm)
	1pc	904U620	20"(500mm)

Pry bar



687

	<i>l</i>		
Part no.	mm	packing	g
687450	450-17.72"	40/26.5/27.5/0.7'	923
687445	445-17.5"	20/17.6/18.6/0.7'	846

• Material: S45C

Crowbar with crook beak

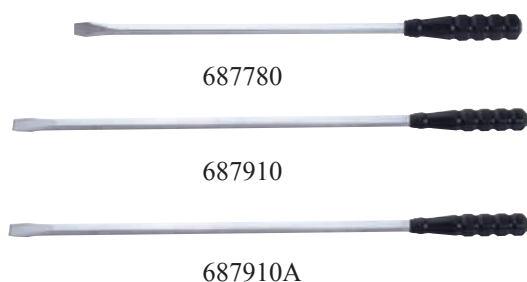


687400H

	<i>l</i>		
Part no.	mm	packing	g
687400H	400-16"	40/18.6/19.6/0.47'	465

- Bending tool
- Bended head, hexagonal shank

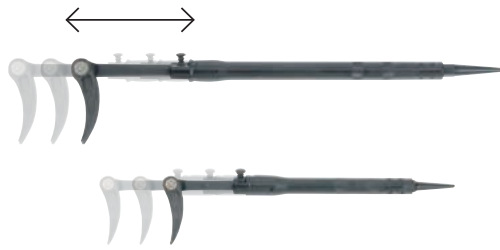
Jumbo pry bar



687

	<i>l</i>		
Part no.	mm	packing	g
687780	780-30.7"	20/20.0/21.0/0.8'	1085
687910	910-36.0"	12/22.0/23.0/0.5'	1830
687910A	910-36.0"	12/22.0/23.0/0.59'	1830

Free long pry bar



68790/68755		l	l	Moment		
Part no.	Slide shank	Min.	Max.	kgf.m	packing	kg
68790	16mm Hex	65.5cm 25.8"	90.5cm 35.6"	50	8/16.0/16.8/1.6'	2.0
68755	13mm Hex	42.0cm 16.5"	55.5cm 21.8"	35	20/18.0/19.0/0.94'	0.9

- Auto repair tool.
- Machine repair tool.
- Space saving.
- Easy to carry and store.
- Any end part can be made available at your request.

Fixed type adjustable hook wrench



823	Size		
Part no.	mm	packing	g
823035	15-35	60/7.4/8.4/0.7'	110
823050	35-50	60/12.5/13.5/0.96'	210
823080	50-80	40/17.4/18.4/0.96'	425
823120	80-20	24/17.6/18.6/0.96'	750
823180	120-180	12/17.0/18.0/1.4'	1400

- For use on slotted retaining rings.

Pin type adjustable hook wrench



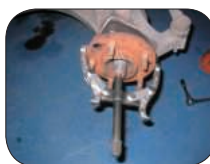
823A	Size		
Part no.	mm	packing	g
823A035	15-35	60/6.6/7.6/0.7'	110
823A050	35-50	60/12.6/13.6/0.96'	210
823A080	50-80	40/17.0/18.0/0.96'	425
823A120	80-120	24/18.0/19.0/0.96'	750
823A180	120-180	12/16.8/17.8/1.4'	1400

- For use on slotted retaining rings.

■ Gear puller - 2 Jaw



65901	Size	Capacity	Spread
Part no.	inch	ton	mm
6590103	3"	2	40/75
6590104	4"	4	50/100
3290106	6"	6	70/150
6590108	8"	10	95/200
6590112	12"	15	140/300



■ Gear puller - 3 Jaw



65902	Size	Capacity	Spread
Part no.	inch	ton	mm
6590203	3"	3	40/75
6590204	4"	6	50/100
6590206	6"	9	70/150
6590208	8"	15	95/200
6590212	12"	22	140/300

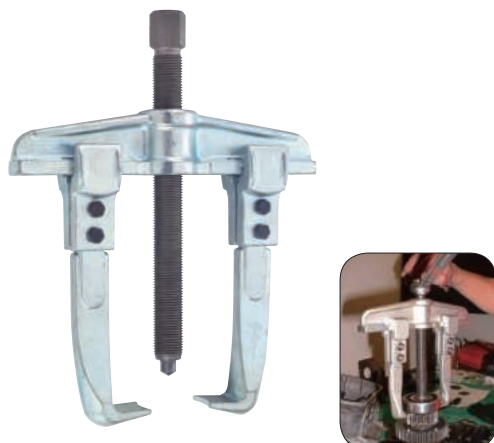


■ Gear puller – 2 Arm



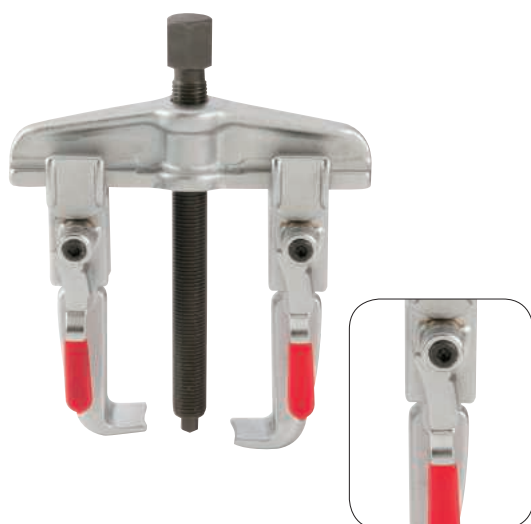
65903	Span width	Capacity	
Part no.	mm	ton	kg
65903065	25-65	1.5	0.4
65903090	30-90	3.0	0.9
65903130	45-130	3.0	1.0
65903160	45-160	4.0	2.8
65903210	45-210	4.0	3.0
65903270	65-270	5.0	7.5
65903340	65-340	5.0	8.2

Gear puller - 2 Jaw



65909	Span width	Jaw depth	Capacity	
Part no.	mm	mm	ton	kg
65909090	90	100	3.0	1.1
65909130	130	100	3.0	1.3
65909160	160	150	5.0	3.2
65909200	200	150	5.0	3.6
65909250	250	200	7.5	7.8
65909350	350	200	7.5	9.2
65909520	520	200	10.0	15.2
65909640	640	225	15.0	23.2

Quick-adjusting puller - 2 Arm



65909...Q	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65909090Q	90	100	10/12.0/13.0/0.87"	1.2
65909130Q	130	100	10/13.8/14.8/1"	1.3
65909160Q	160	150	5/16.0/17.0/0.87"	3.1
65909200Q	200	150	5/18.3/19.3/1"	3.6
65909250Q	250	200	3/21.3/22.3/0.7"	7.3

Gear puller – 3 Arm



65910	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65910090	90	100	12/17.5/18.5/0.7"	1.5
65910130	130	100	12/19.7/20.7/0.96"	1.7
65910160	160	150	5/20.3/21.3/0.87"	4.1
65910200	200	150	5/22.0/23.0/0.87"	4.4
65910250	250	200	2/18.1/19.1/0.9"	9.1

Quick-adjusting puller - 3 Arm



65910...Q	Span width	Jaw depth		
Part no.	mm	mm	packing	kg
65910090Q	90	100	12/18.7/19.7/0.7'	1.5
65910130Q	130	100	12/20.1/21.1/0.96'	1.7
65910160Q	160	150	5/20.6/21.6/0.87'	4.1
65910200Q	200	150	5/22.3/23.3/1'	4.4
65910250Q	250	200	2/17.6/18.6/0.9'	8.8

Hydraulic bearing separator puller set



66601

 2/15.0/16.0/1.06'  8840g

Contents:

- 1pc Hydraulic ram (SCM415 Diameter 37.7 mm x 160 mmL x 16 t)
- 1set Bearing separator & bolts, SCM415, capacity 75-105 mm
- 2pc Main rod (8" x 1.75p)
- 2pc Extension rod (8" x 1.75p)
- 1pc Beam
- 1pc Central adaptor (Ø1" x L30 mm)



Pressure screw separator puller set



66602

 2/17.3/18.3/1.0'  8650g

Contents:

- 1pc Central bolt
- 1set Bearing separator & bolts, SCM415, capacity 75-105 mm
- 2pc Main rod (8" x 1.75p)
- 2pc Extension rod (8" x 1.75p)
- 1pc Beam
- 1pc Central nut
- 1pc Central extension rod
- 1pc Central adaptor (Ø1" x L30 mm)



Two sets bearing separator kit


66610
 5/23.0/24.0/1.8'

 4.6kg

Contents:

- 2set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 30-50 mm
Capacity: 50-75 mm
- 4pc Main/Extension rod
(Hex bar 17 mm x 127 mmL x 3/8" - 16T)
- 4pc Main/Extension rod
(Hex bar 14 mm x 102 mmL x 3/8" - 16T)
- 1pc Beam (S45C)
- 1pc Forcing screw (Ø9/16" - 10T/inch x 175 mmL S45C)

- Packing: Blow mold case

Pressure screw separator puller set


66612
 2/18.0/19.0/0.5'

 9kg

Contents:

- 1set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 75-105 mm
- 2pc Main rod
(Hex bar 19 mm x 8" L x Ø15.24 mm - 1.75P)
- 2pc Extension rod
(Hex bar 19 mm x 8" L x Ø15.24 mm - 1.75P)
- 1pc Beam (S45C)
- 1pc Forcing screw (Ø18.65 - 10T/inch x 292 mmL S45C)
- 1pc Central nut

- Packing: Metal case

Hydraulic bearing separator puller set



66613

6/30.0/31.0/0.8' 12kg

Contents:

- 1pc Hydraulic ram (SCM420 Ø37.7 mm)
- 1set Bearing separator & bolts
(SCM415 Drop forged HRC 42-45)
Capacity: 105-150 mm
- 2pc Main rod
(Hex bar 21 mm x 10" L x Ø5/8" - 11 NC)
- 2pc Extension rod
(Hex bar 21 mm x 10" L x Ø5/8" - 11 NC)
- 1pc Beam (Ductile)
- 1pc Ram extension rod (Ø1" x L2")
- 1pc Ram extension rod (Ø1" x L4")
- 1pc Central adaptor (Ø1" x 30 mm)
- 1pc Step plat puller adaptor (Ø80 x Ø63 mm)

- Packing: Metal case

Mini bearing separator assembly



66614

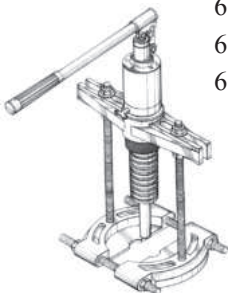
20/12.7/13.7/0.8' 636g

Bearing separator inside:

- Capacity 3/8" to 1-1/4" (10 mm to 30 mm)
- Bolt (6.3 mm x 83 mmL x 1/4" x 20 UNC)
- Body thread 3/8" x 20 UNC

Pull out the bearing with the H-type beam and bolts.

Hydraulic bearing separator puller set



666

	Capacity	Reach	Spread	Stroke	
Part no.	mm	mm	mm	mm	kg
66605	6	300/190	235/90	82	12.45
66606	8	300/245	235/90	82	13.75
66607	10	300/190	235/90	82	12.45
66608	12	300/245	235/90	82	13.75

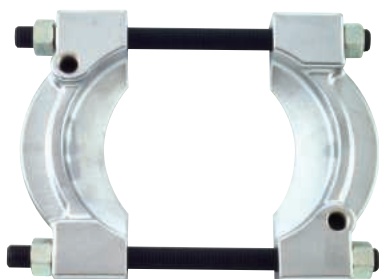
Bearing separator



666

Part no.	Capacity	Bolt	Hole
666050	1-1/4" to 2-1/4" (30-50 mm)	9.5 mm x 125 mmL x 3/8" x 24t	8.2 mm x 3/8" x 16t
666075	2-1/4" to 3-1/2" (50-70 mm)	12.7 mm x 135 mmL x 1/2" x 20t	8.2 mm x 3/8" x 16t
666105	3" to 4-1/2" (75-105 mm)	16 mm x 165 mmL x 5/8" x 18t	11.2 mm x 1/2" x 12t
666150	4" to 6" (105-150 mm)	19 mm x 260 mmL x 3/4" x 16t	14.6 mm x 5/8" x 11t
666225	35-225 mm	20 mm x 255 mmL	5/8" x 11P
666300	35-300 mm	26 mm x 355 mmL	3/4" x 10P

Bearing separator



666140

4/20.4/21.4/0.5' 5.1kg

- Capacity 1.5" to 6" (35-140 mm)

Locking jaw puller set



664P

6/13.6/14.6/1.33' 2260g

- With several pulling attachments to give the user various methods for pulling, maintenance and repair applications.

Contents:

- 9pc Adjustable reversible jaw
- 1pc Forcing screw
- 1pc Two-way yoke
- 1pc Three-way yoke
- 1pc Reversible adjusting nut
- 3pc Screw & nut



Internal & external puller set



66431

3/15.0/16.0/1.2'

5002g

- Drop forged chrome vanadium steel

Contents:

- 1pc Internal small (Capacity: 15-30 mm)
- 1pc Internal large (Capacity: 30-80 mm)
- 1pc External (Capacity: 15-80 mm)
- 1pc Slide shaft
- 1pc Slide hammer
- 1pc Nut



Rear axle puller & external rearing puller set



66432

3/16.0/17.0/1.5'

5300g

- Chrome molybdenum steel external bearing puller with chrome plated & black finish.
- Suitable for rear axle puller & external bearing puller.

Contents:

- 1pc Slide screw: 5/8" - 16T x 22-1/2" (16 mm - 16T x 57cm)
- 1pc External bearing puller capacity from 15-80 mm (9/16" to 3-1/2")
- 3pc Axle yoke
- 1pc Bearing adaptor
- 1pc Slide hammer 3-3/4 LB (1.75 kg)
- 1pc Lock nut 5/8" (16 mm)
- 1pc Bearing hook

Blind hole bearing puller set



905T6

5/17.5/18.5/1.25'

3650g

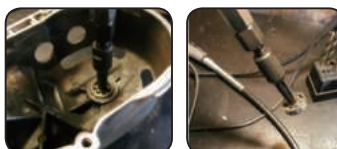
- One slide hammer shaft & 4 clamps.
- Adjustable collets make easy removal of bearing or bushings from blind holes.
- Clamps:
 - 7/16" to 1/2" (11-14 mm),
 - 9/16" to 3/4" (15-19 mm),
 - 11/16" to 15/16" (18-24 mm),
 - 1" to 1-1/4" (25-32 mm)



Blind hole bearing puller


910T1
 5/16.5/17.5/1.66'  3500g

- Two-function bearing remover for puller and slide hammer.
- One slide hammer, 62 mm tailpipe expanders and pullers for 8-32 mm.

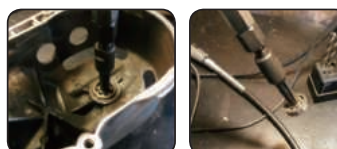


Blind hole bearing puller and slide hammer set

NEW

915T1
 4/20.0/21.5/2.2'  5125g

- Two-function bearing remover for puller and slide hammer.
- One slide hammer, 62 mm tailpipe expanders and pullers for 8-55 mm.



2-in-1 Bearing Puller (2 Jaws)


66621
 2/10.7/11.7/0.62'  5400g

- Inside diameter 38-120 mm

2-in-1 Bearing Puller (3 Jaws)



66620

4/12.4/13.4/1.17'

3050g

- Inside diameter 12-38 mm



Pilot bearing puller



66619

20/18.3/19.0/0.8'

920g

- Capacity: inside diameter 12-38 mm, 1/2" to 1-1/2"



Thick jaws gear puller



65910

20/15.0/16.0/0.61'

680g

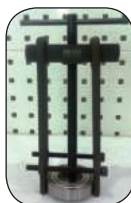
- Jaws thickness: 1.5 mm
- Depth: 100 mm
- Bearing dimension: 40-90 mm



Bearing puller



666A	Capacity		
Part no.	mm	packing	g
666A035	19-35	60/19.6/20.6/1.4'	280
666A055	24-55	24/19.3/20.3/1.4'	783
666A080	35-80	12/19.3/20.3/1.4'	600



Long jaw bearing puller



66616

 20/24.0/25.0/1.1'  1200g

- For long distance pulling jobs
- Capacity 10-50 mm
- Alloy steel
- Jaw long 300 mm (SCM415 drop forged HRC 40-42)
- Drop forged hardened 48° - 50°
- Forcing screw (SCM415)
- Stopper cone (S45C)
- Connector (SCM415)

Bearing separator



66618

 20/17.0/18.0/1.5'  800g

- 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.
- Adjust range: 20-95 mm
- Bearing range:
 - 6004-6010 (Jaw size: Ø6/8)
 - 6201-6206 (Jaw size: Ø5.5/6/8)
 - 6300-6304 (Jaw size: Ø6/8)



Bearing separator



66618M

 12/22.0/23.0/1.3'  1700g

- 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.
- Adjust range: 35-120 mm
- Bearing range:
6207-6211 (Jaw size: Ø11/12.5/15)
6305-6308 (Jaw size: Ø11/12.5)
6403-6405 (Jaw size: Ø11/12.5/15)

Unique bearing removal kit



66618MA

 5/17.0/18.0/1.2'  2700g

- 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.
- Adjust range: 35-120 mm
- Bearing range:
6207-6211 (Jaw size: Ø11/12.5/15)
6305-6308 (Jaw size: Ø11/12.5)
6403-6405 (Jaw size: Ø11/12.5/15)
- Beam: 30-50 mm
- Legs: 30-90 mm

Hydraulic gear puller set


66622

1/16.5/17.5/1.2'

16.5kg

• For Agriculture / Machine / Garage / Industry use.

Contents:

- 1pc Hydraulic ram (SCM420 Ø37.7 mm)
- 1pc Twin head
- 1pc Triple head
- 1pc Ram nut (SCM415 HRC 42-45)
- 1pc Beam (S45C)
- 3pc 4" Leg (SCM415 HRC 42-45)
- 3pc 6" Leg (SCM415 HRC 42-45)
- 3pc 8" Leg (SCM415 HRC 42-45)
- 1pc Central adaptor (Ø1" x L30mm S45C)
- 1pc Ram extension rod (Ø1" x L2" S45C)
- 1pc Ram extension rod (Ø1" x L4" S45C)
- 2pc Main rod (Hex bar 19mm x L8" x Ø15.24mm - 1.75P)
- 2pc Extension rod (Hex bar 19mm x L8" x Ø15.24mm - 1.75P)
- 1pc Bearing separator, spread range 75-105 mm (SCM415 Drop forged HRC 42-45)

6 ways multi purpose hydraulic gear puller


66623

5/24.0/25.0/1.3'

4800g

Contents:

- 1pc Hydraulic ram (SCM420 Ø37.7 mm)
- 1pc Combination cross head (S45C)
- 3pc Combination leg (SCM415 Drop forged HRC 42-45)
- 6pc Steel plate
- 6pc Screw / Nut / Washer
- 1pc Central adaptor (Ø1" x L30mm S45C)
- 1pc Ram extension rod (Ø1" x L2" S45C)

Micro 3" jaw lock puller



66617



12/12.0/13.0/0.7"



1420g

- Forcing screw (SCM415)
- Chuck (SCM415)
- 3" Jaw 3 pieces (SCM415)

Hydraulic 6" jaw lock puller



66617A



4/14.0/15.0/0.7"



5500g

- Hydraulic ram (SCM420)
- Chuck (SCM415)
- 6" Jaw 3 pieces (SCM415)

Inside puller



66624



12/19.0/20.0/2.0"



1600g

- Spread: 23-130 mm
- Depth: 140 mm

Outside puller


66625


12/22.0/23.0/1.6"



1.8kg

- Spread: 7-140 mm
- Depth: 147 mm

Universal puller set


66626


3/20.5/21.3/1.2"



7200g

Contents:

- 1pc Beam 2-arm
- 1pc Beam 3-arm
- 9pc Pulling legs, length 100/200/250 mm
- 2pc Spindle

Universal puller set


66627


2/25.0/26.0/1.25"



12.4kg

Contents:

- 1pc Beam 2-arm
- 1pc Beam 3-arm
- 9pc Pulling legs, length 150/220/300 mm
- 1pc Spindle

2&3 Jaws gear puller set



66628



6/16.5/17.5/0.93'



2.75kg

Contents:

1pc Beam with 2-arm and 3-arm

6pc Pulling legs, length 130/200 mm

1pc Spindle (219 mm)

2pc Torque adapter set (for spark plug)


K3021

24/12.0/13.0/0.78' 500g

	2pc	832318	3/8"DR. 18 Nm
		832324	3/8"DR. 24 Nm

10pc 3/8"DR. Spark plug socket set


T31010

6/13.2/14.2/0.65' 2278g

	4pc	Magnetic spark plug 14; 16; 18; 20.6 mm	
	3pc	Magnetic spark plug 14; 16; 20.6 mm (250 mmL)	
	2pc	Torque adaptor 18Nm; 24Nm	
	1pc	Universal joint-extension type (80531E)	

3pc Step wrench set


4031

20/16.5/17.5/1.4' 850g

	1pc	802412	1/2"DR. Square hole ratchet handle
	1pc	68901	Slotted step wrench 1.5x8.9 3/8"(9.35 mm); 7/16"(9.75 mm); 15/32"(12 mm); 1/2"(12.8 mm); 35/64"(13.8 mm); 3/4"(16.7 mm); 27/32"(21.4 mm); 7/8"(21.9 mm)
	1pc	68902	Hex step wrench 3/8"; 1/2"; 3/4"; 1"

3pc 1/2"DR. Pentagon socket set


4036

60/14.8/15.8/0.5' 246g

	2pc	650 14...19	Pentagon socket 14; 19 mm
	1pc	65001	Pentagon socket bit 10mm (55mmL)

5pc Fill/Drain plug key set



5051

25/12.0/13.0/0.64' 460g

	1pc	5051-1	17mmHex - 14mmHex
	1pc	5051-2	10mmHex - 12mmHex
	1pc	5051-3	9mmHex - 5/16"Hex
	1pc	5051-4	8mmSq. - 13mmSq.
	1pc	5051-5	3/8"Sq. - 11mmSq.

6pc Fill/Drain plug key set



5061

25/18.5/19.5/0.64' 730g

	1pc	5061-1	5/16"Hex - 3/8" Hex
	1pc	5061-2	8mmSq. - 3/8"Sq.
	1pc	5061-3	11mmSq. - 12mmHex
	1pc	5061-4	13mmSq. - 14mmHex
	1pc	5061-5	17mmHex - 1/2"Hex
	1pc	5061-6	8mmHex - 10mmHex

12pc Auto tool kit



5122

6/12.0/13.0/0.9' 1970g

	1pc	807416M	1/2"DR. Magnetic spark plug 16mm
	1pc	807420.6M	1/2"DR. Magnetic spark plug 20.6mm
	1pc	5061-1	5/16"Hex - 3/8" Hex
	1pc	5061-2	8mmSq. - 3/8"Sq.
	1pc	5061-3	11mmSq. - 12mmHex
	1pc	5061-4	13mmSq. - 14mmHex
	1pc	5061-5	17mmHex - 1/2"Hex
	1pc	5061-6	8mmHex - 10mmHex
	1pc	810421	Plug key holder 1/2"(F)x21mm(F)
	1pc	617	Telescope mirror stick/magnetic pick-up
	1pc	618	Feeler gauges of 20 sizes 0.05mm to 1mm
	1pc	619	Oil filter strap wrench

6pc Brake spanner set


50612

30/20.5/21.5/1.3' 593g

	1pc	6080610	1/4"Sq. - 10mmSq.
	1pc	6080810	8mmHex - 10mmHex
	1pc	6080911	9mmHex - 11mmHex
	1pc	6080607	1/4"Hex - 7mmHex
	1pc	6081109	7/16"OE - 11/32"Sq.
	1pc	6080608	1/4"Sq. - 5/16"OE

Brake spanner


608

Part no.	Size	<i>l</i> mm	g	pc/box
6080610	1/4"Sq.-10mmSq.	175	82	10
6080608	1/4"Sq.-5/16"OE.	175	84	10
6080810	8mmHex.-10mmHex.	175	82	10
6080911	9mmHex.-11mmHex.	175	87	10
6080607	1/4"Hex.-7mmHex.	175	84	10
6081109	7/16"OE.-11/32"Sq.	175	85	10
6081114	7/16"OE.-9/16"OE.	175	102	10
6081113	11mmOE.-13mmOE.	175	103	10
6081011	10mmOE.-11mmOE.	175	92	10

Spoke wrench

NEW

608A

Part no.	size	<i>l</i> mm	packing	g
608A0809	8 x 9	130	600/26.7/27.7/0.65'	43
608A0910	9 x 10	130	600/27.0/28.0/0.65'	44
608A1011	10 x 11	130	600/27.2/28.2/0.65'	44

Wrench bar



677		<i>l</i>		
Part no.	O.D.	mm	packing	g
67701	19	630	15/21.0/22.0/0.32'	1400
67702	25	630	10/24.0/25.0/0.32'	2420
67701400	19	400	25/22.0/23.0/0.2'	890
67703	16	400	30/18.9/19.9/0.2'	630

Rim wrench



677		O.D.	<i>l</i>		
Part no.	size	mm	mm	g	pc/box
6771921	19 x 21	16	300	1000	5
6771924	19 x 24	16	300	1020	5
6772123	21 x 23	16	300	1100	5
6772224	22 x 24	19	400	1300	5
6772427	24 x 27	19	400	1320	5
6772432S	15/16" x 1-1/4"	19	400	1330	5
6772730	27 x 30	19	400	1330	5
6772732	27 x 32	19	400	1380	5
6772733	27 x 33	19	400	1400	5
6772833	28 x 33	19	400	1410	5
6773032	30 x 32	19	400	1440	5
6773033	30 x 33	19	400	1440	5
6773233	32 x 33	19	400	1495	5
6773238	32 x 38	19	400	1535	5



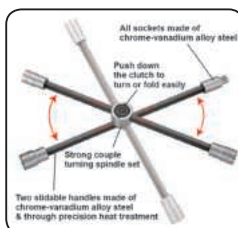
677		O.D.	<i>l</i>		
Part no.	size	mm	mm	g	pc/box
6773821	38 x 21sq.	25	400	1520	5
6773822	38 x 22sq.	25	400	1520	5
6774119 NEW	41 x 19sq.	25	400	1900	2
6774121	41 x 21sq.	25	400	1550	2
6774121L	41 x 21sq.	25	450	1800	1

Foldable & sliding cross socket wrench

NEW

681F400
 12/15.6/16.6/0.84'  1300g

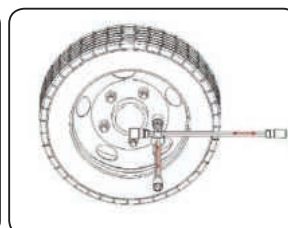
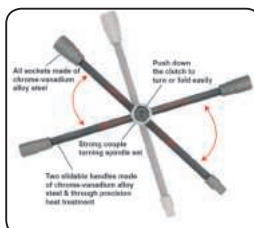
- Foldable: easy to carry and store.
- Sliding: creates adjustable lever arm to increase power.
- Socket size: 17; 19; 21mm & 1/2"SQ.DR.
- Length: 400 mm



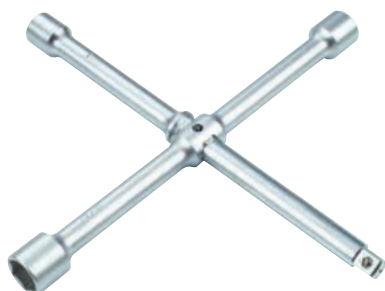
Double power lug wrench

681600
 6/20.0/20.5/0.84'  3400g


- Foldable: easy to carry and store.
- Sliding: increase power.
- Deep sockets.
- Socket size: 24; 27; 32mm & 3/4"SQ.DR.
- Length: 600 mm



Assembly wheel nut wrench

681A300
 20/22.2/23.2/0.63'  1110g


- 17 mm; 19 mm; 13/16"; 1/2"DR. (300 mmL)
- Chrome vanadium alloy steel
- For most car wheel nuts in metric
- Polished, chrome plated



Wheel nut wrench



681B400

 12/18.6/19.6/0.97'  1550g

- 17; 19; 21; 22 mm with 1/2"DR. Adapter (400 mmL)
- Chrome vanadium alloy steel
- For most car wheel nuts in metric
- Polished, chrome plated



Tire lever



750

Part no.	<i>l</i> mm	 packing	 g
750200	200	100/14.6/15.6/0.56'	162
750300	300	120/31.6/32.6/0.60'	260
750380	380	60/22.9/23.9/0.50'	360
750380B	380	30/22.0/23.9/1.20'	368
750500	500	30/22.0/23.0/0.69'	732
750525B	525	30/24.0/25.0/0.69'	800
750650	650	20/23.2/24.2/0.54'	1160
750650B	650	20/21.8/22.8/0.70'	1160



1/2"DR. Quick power wheel nut ratchet handle



681D515

 10/23.0/24.0/1.1'  2300g

- Removes stubborn wheel nuts quickly and easily.
- Torque multiplier increases torque by 3.5 by using the lever arm.
- The lever arm should never be used to tighten nuts due to the possibility of over tightening.
- Length: 515 mm



Wheel balancing weight tool


6821
 30/12.6/13.6/1.3'  420g

- Easily removes and replaces wheel weights, as well as cutting and crimping.
- Made of heat-strengthened steel. Included comfortable vinyl handle grips.
- With self-open function spring on the handle for easier operation.
- Length: 245 mm

VW/AUDI V-belt pulley remover


67402
 400/20.0/21.0/0.46'  50g

- Special design to stop the pulley and remove the center bolts to remove the V-belt pulley at the generator.
- Use with 17 mm wrench.
- Applicable:
VW: Golf, Vento, Passat,
Audi A3 and Volvo.



2pc M10 Alternator tools


674
l


Part no.	mm	packing	g
674	110	100/18.2/19.2/1.5'	182

- 1pc 1/2"DR. Spline (XZN) socket bit M10 x 110mmL
- 1pc Reaction corkscrew cap 33 teeth - Ø19 mm - 17 mm hex
- Application:
VW, Audi, Skoda, Porsche, BMW, Ford,
Mercedes-Benz etc.



2pc T50 Alternator tools



678	<i>l</i>		
Part no.	mm	packing	g
678	110	100/21.2/22.2/1.5'	212

- 1pc 1/2"DR. Torx socket bit T50 x 110mmL
- 1pc Reaction corkscrew cap 33 teeth - Ø19mm - 17mm hex
- Application: Mercedes A Class.

1/2" Pentagon socket bit 10mm side



65001		<i>l</i>		
Part no.	bit	mm	g	pc/box
65001	10 mm	55	94	10

- Application on girling brakes.

1/2"DR. Pentagon socket 14mm / 19mm



65014



65019

650		<i>l</i>		
Part no.	size	mm	packing	g
65014	14mm	38	100/8.0/9.0/1.1'	67
65019	19mm	38	100/9.8/10.8/1.1'	85

- 14mm: for pentagon brakes on rear brake, Opel Astra G, Zafira, Smart
- 19mm: for Bendix brakes, Citroën, Peugeot, Renault

1/2"DR. Vacuum switch socket



443		<i>l</i>		
Part no.	size	mm	g	pc/box
44317 NEW	17mm	85	182	10
44319 NEW	19mm	85	242	10
44322	22mm	85	261	10
44327	27mm	85	389	10

- Works on most vehicle EGT and lambda or oxygen sensors.
- A slot provided in the side of the socket allows wire clearance.
- 1/2" SQ. DR., 21 mm Hex DR.

1/2"DR. Vacuum switch socket



443150		<i>l</i>	
Part no.	size	mm	g
44315017 NEW	17mm	150	324
44315019 NEW	19mm	150	371
44315022	22mm	150	392

- For removing and installing lambda sensors with a deep-seated hexagon.

3/8"DR. Spark plug socket



8073		<i>l</i>		
Part no.	socket	mm	g	pc/box
807314	14 mm	63	65	10
807316	16 mm	63	96	10
807318	18 mm	63	125	10
807320.6	20.6 mm	63	150	10

3/8"DR. Magnetic spark plug socket



8073...M		<i>l</i>		
Part no.	socket	mm	g	pc/box
807314M	14 mm	70	74	10
807316M	16 mm	70	80	10
807318M	18 mm	70	122	10
807320.6M	20.6 mm	70	151	10

3/8"DR. Magnetic spark plug socket (Thin wall)



8073...MTH		<i>l</i>	$\varnothing$		
Part no.	socket	mm	mm	g	pc/box
807314MTH	14 mm	70	18	74	10
807316MTH	16 mm	70	19.9	80	10
807318MTH	18 mm	70	23	122	10
807320.6MTH	20.6 mm	70	26	151	10

3/8"DR. Universal spark plug socket (ball type)



8073...B		<i>l</i>		
Part no.	socket	mm	g	pc/box
807316B	16mm	95	114	10
807320.6B	20.6mm	95	150	10

3/8"DR. Universal magnetic spark plug socket (ball type)



8073...BM		<i>l</i>		
Part no.	socket	mm	g	pc/box
807314BM	14mm	95	90	10
807316BM	16mm	95	118	10
807320.6BM	20.6mm	95	154	10

3/8"DR. Magnetic long spark plug socket



8073250...M		<i>l</i>		
Part no.	socket	mm	g	pc/box
807325014M	14 mm	250	316	10
807325016M	16 mm	250	344	10
807325020.6M	20.6 mm	250	440	10

1/2"DR. Spark plug socket



8074		<i>l</i>		
Part no.	socket	mm	g	pc/box
807414	14 mm	65	65	10
807416	16 mm	65	92	10
807418	18 mm	65	133	10
807420.6	20.6 mm	65	156	10

1/2"DR. Magnetic spark plug socket



8074...M

Part no.	socket	<i>l</i> mm	 g	 pc/box
807414M	14mm	70	78	10
807416M	16mm	70	86	10
807418M	18mm	70	146	10
807420.6M	20.6mm	70	144	10



3/8"DR. Universal spark plug socket (joint type)



8073...U

Part no.	socket	<i>l</i> mm	 g	 pc/box
807316U	16 mm	95	114	10
807320.6U	20.6 mm	95	150	10

3/8"DR. Universal magnetic spark plug socket (joint type)



8073...UM

Part no.	socket	<i>l</i> mm	 g	 pc/box
807314UM	14 mm	95	88	10
807316UM	16 mm	95	114	10
807320.6UM	20.6 mm	95	150	10

1/2"DR. Universal spark plug socket (joint type)



8074...U

Part no.	socket	<i>l</i> mm	 g	 pc/box
807416U	16 mm	100	102	10
807420.6U	20.6 mm	100	164	10

1/2"DR. Universal magnetic spark plug socket (joint type)



8074...UM

Part no.	socket	<i>l</i> mm	 g	 pc/box
807416UM	16 mm	100	102	10
807420.6UM	20.6 mm	100	164	10

3/8"DR. Universal spark T wrench (ball type)



8073...B		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
807330016B	16 mm	300	354	40
807330020.6B	20.6 mm	300	392	40
807350016B	16 mm	500	552	30
807350020.6B	20.6 mm	500	590	30

3/8"DR. Universal magnetic spark T wrench (ball type)



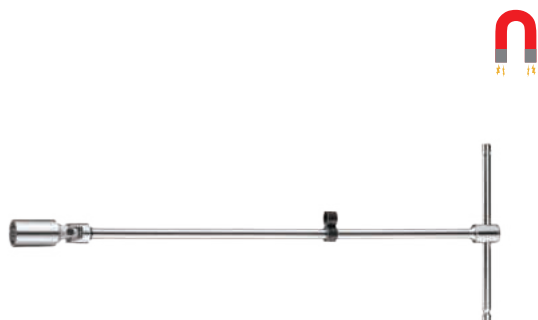
8073...BM		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
807330016BM	16 mm	300	354	40
807330020.6BM	20.6 mm	300	392	40
807350016BM	16 mm	500	554	30
807350020.6BM	20.6 mm	500	592	30

3/8"DR. Universal spark T wrench (joint type)



8073...U		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
807330016U	16 mm	300	354	40
807330020.6U	20.6 mm	300	392	40
807350016U	16 mm	500	552	30
807350020.6U	20.6 mm	500	590	30
807380016U	16 mm	800	850	15
807380020.6U	20.6 mm	800	888	15

3/8"DR. Universal magnetic spark T wrench (joint type)



8073...UM		<i>l</i>		
Part no.	socket	mm	g	pc/ctn
807330016UM	16 mm	300	356	40
807330020.6UM	20.6 mm	300	394	40
807350016UM	16 mm	500	554	30
807350020.6UM	20.6 mm	500	592	30
807380016UM	16 mm	800	852	15
807380020.6UM	20.6 mm	800	890	15

1/2"DR. Universal spark T wrench (joint type)



8074...U

Part no.	socket	mm	g	pc/ctn
807430016U	16 mm	300	646	30
807430020.6U	20.6 mm	300	684	30
807450016U	16 mm	500	936	20
807450020.6U	20.6 mm	500	974	20
807480016U	16 mm	800	1150	15
807480020.6U	20.6 mm	800	1188	15

1/2"DR. Universal magnetic spark T wrench (joint type)



8074...UM

Part no.	socket	mm	g	pc/ctn
807430016UM	16 mm	300	356	30
807430020.6UM	20.6 mm	300	394	30
807450016UM	16 mm	500	554	20
807450020.6UM	20.6 mm	500	592	20
807480016UM	16 mm	800	852	15
807480020.6UM	20.6 mm	800	890	15

5pc Spark plug rethreader set



64101

96/15.0/16.0/0.1.2' 137g

- Repairing stripped or damaged threads in aluminum cylinder heads.
- Solid steel inserts replace damaged threads.

Contents:

1pc 14mm Spark plug rethreader
4pc Inserts 3/8", 7/16", 1/2", 3/4" long

Spark plug gauge



63008

288/5.5/6.5/0.5' 26g

- 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.
- Size range: 0.020" to 0.100" (0.5 mm to 2.53 mm)



Three-legged oil filter wrench



61904

 36/21.3/22.3/1.2'  590g

- Removes all oil filters from 2-1/2" to 4-5/16" (65 mm to 110 mm) in diameter.
- Includes 21mm hex adapter: 1/2" Sq.(F) x 3/8" Sq.(M)
- Can be operated with 1/2" or 3/8" square drive ratchet handle



Three-legged two way oil filter spiral wrench



61904A

 36/15.0/16.0/1.2'  415g

- All chrome plated. 3-Leg Two-way operation range: 63 ~ 102 mm
- Includes 21mm hex adapter: 1/2" Sq.(F) x 3/8" Sq.(M)
- Can be operated with 1/2" or 3/8" square drive ratchet handle



Three-legged oil filter wrench



61913

 24/24.0/25.0/1.1'  950g

- 3-leg, 1-way, fit 1/2" square drive
- Capacity 75-130 mm (3" to 5-1/8")

Oil filter strap wrench



619

	<i>l</i>		
Part no.	mm	packing	g
619	150	60/18.7/19.7/3.0'	310



Truck strap oil filter wrench


61902
 48/17.9/18.9/1.4"  372g

- The heavy-duty strap can handle any filter up to 6" (150 mm) diameter.
- The support pad helps the grip of the filter without crushing it.
- The more leverage applied, the tighter it grips.
- Use with any 1/2" power bar.
- Capacity: 6" (150 mm).



Strap oil filter wrench (1/2"DR. & 3/8"DR.)


61903
 40/16.3/17.3/2.8"  408g

- This robust quality strap wrench is capable of removing filters up to 300 mm diameter on cars, vans and trucks.
- The design of this wrench makes it ideal for areas where clearance is restricted.
- The dual drive allows you more flexibility. Besides, the wrench can be used in conjunction with a 13/16" (21 mm) open spanner.

Strap oil filter wrench


61908
 48/16.2/17.2/2.2"  338g

- With non-slip rubber-fabric strap
- Especially suitable for plastic pipes
- Strap length: 420 mm
- Capacity: 130 mm diameter

Strap wrench


61912
 50/16.0/17.0/1.6"  320g

- 12" Aluminum handle
- 34" Strap

Adjustable oil filter wrench



61909

 50/17.5/18.5/4.83'  350g

- Capacity: 80-110 mm diameter

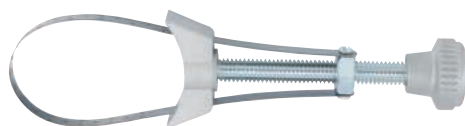
Swivel handle oil filter wrench



61906

Part no.	<i>l</i> mm	 packing	 g
61906073	2-3/8" to 2-7/8" (60 mm - 73 mm)	36/12.0/13.0/2.6'	335
61906085	2-7/8" to 3-3/8" (73 mm - 85 mm)	36/13.4/14.4/2.6'	372
61906095	3-3/8" to 3-3/4" (85 mm - 95 mm)	36/14.0/15.0/2.6'	389
61906111	3-3/4" to 4-3/8" (95 mm - 111 mm)	36/14.7/15.7/2.6'	408

Oil filter wrench



61910

Part no.	Capacity mm	 g
61910	65-110	210
61910L	110-155	230

- Spare diecast (band) available, 61910-D/61910L-D
- Spring steel strip
- Aluminium diecast

Chain oil filter wrench (1/2"DR.)



61901

 72/18.9/19.9/2.6'  262g

- 1/2" sq. driver or 13/16" (21 mm) open end spanner.
- Suitable for filters up to 120 mm diameter.



Chain locking pliers



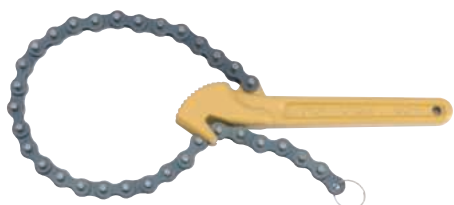
61901A

 20/15.7/16.7/1'

 825g

- Cr-Mo jaw and handle
- Welded with a 18" chain

Chain filter wrench



61911

 30/12.4/13.4/0.73'

 410g

- Suitable for filters of 40 mm - 120 mm diameter.

Chain oil filter wrench

NEW



61918

 36/17.5/18.5/1.3'

 470g

- For loading and unloading automotive filters.
- Suitable for filters up to 30 mm - 160 mm diameter.
- Chain length 580 mm can be adjusted freely according to different filters.
- Handle length: 225 mm

20" Chain wrench



61914

 20/20.0/21.0/0.77'

 1kg

- 20" chain.

Oil filter pliers



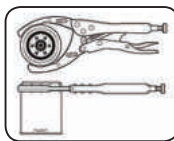
639	Size	<i>l</i>		
Part no.	mm	inch	packing	g
639250	60-90	10	60/21.2/22.0/2.1'	354
639300	85-115	12	60/22.7/23.7/2.5'	379
639365	100-140	14	20/11.0/12.0/1.1'	550



Oil filter master pliers



639230	Size	<i>l</i>		
Part no.	mm	mm	packing	g
639230	53-118	230	40/19.5/20.5/1.7'	480



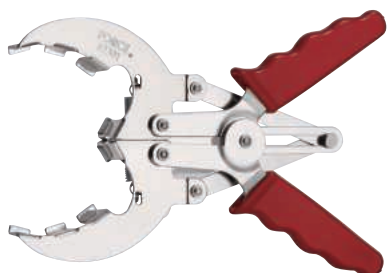
Piston ring compressor



620	<i>∅</i>	<i>l</i>		
Part no.	mm	inch	packing	g
6202080	40-80	2	50/7.8/8.8/1.0'	156
6203125	53-125	3	50/15.5/16.5/2.75'	310
6203175	90-175	3	50/17.9/18.9/2.75'	365
6204125	90-125	4	50/16.7/17.7/2.75'	335
6204175	90-175	4	50/18.9/19.9/2.75'	380
6206175	90-175	6	20/12.0/13.0/1.60'	600



Piston ring pliers



623	<i>w</i>	<i>l</i>		
Part no.	mm	inch	packing	g
62301	55-100	3	50/15.0/16.0/2.2'	330
62302	110-160	3	50/18.5/19.5/3.0'	420
62303	80-120	2.5	50/8.5/9.5/2.2'	170

- **62302** is applied to truck.



Valve spring compressor



62102

 12/19.6/20.6/1.0'  1630g

- For overhead cam engines, specially designed for O.H.C. engines.
- Jaw opening 60-155 mm,
Throat clearance 150 mm.



Valve spring compressor



62103

 10/12.2/13.2/0.5'  1220g

- For small and medium engines.
- Jaw opening 68-130 mm,
Throat clearance 150 mm.



Valve spring compressor



62104



6/15.0/16.0/0.9'



2650g

- For multi-valve petrol and diesel engines, specially designed for difficult access and deep-seated multi-valve cylinder heads.
- Jaw opening 45-145 mm, Throat clearance 240 mm.



Valve spring compressor



62106



24/16.8/17.8/2.1'



740g

- Compresses overhead valve springs with rocker arm studs.
- This tool can be used with the head either on or off the engine.
- Jaws adjust to fit most overhead valve engines.
- Adjustable handle allows for clearance in tight areas.



Flat band hose clamp pliers



62518



72/17.5/18.5/2.3'



250g

- Removes and installs new style flat band hose clamps.
- Jaws rotate to grip at any angle.



Angled flat band hose clamp pliers



62522



48/8.8/9.8/2.7'



227g

- Designed to remove and install flat band hose clamps in hard-to-reach areas. Pliers feature angled jaws with rotating tips to grip clamps at any angle. Locking latch securely holds clamp in position.



CV Boot clamp pliers


62519
 72/24.7/25.7/2.6'  320g

- A sturdy tool, works on earless-type clamps including those found on GM inboard CV joint.



CV Joint boot clamp pliers


62520
 48/18.2/19.2/1.5'  380g

- For ear type clamps, fits late model GM CV joint boots, also installs PERMA-QUICK type clamps quickly and easily use for filter, cooling system and vacuum lines.



CV Joint banding tool (with cutter)


62525
 60/16.6/18.4/2.3'  285g

- Tool is easily removed by sliding sideways after winding has been completed.



Coil spring compressor


627

Part no.	<i>l</i> mm	 packing	 g
627270	270	10/17.3/18.3/1.0'	1830
627370	370	10/20.5/21.5/1.1'	2170

Ball joint separator



62801



20/24.4/25.4/1.3'



1220g

- Heat treated drop forged steel body & bolt for long rough usage.
- Spread ball joints easily where space prevents use of direct action method.
- Jaws open: 19 mm



Ball joint separator



62802



20/21.0/22.0/1.0'



1050g

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.
- Jaw open: 20 mm



Ball joint separator



62805



20/24.3/25.3/1.1'



1214g

- This universal tie rod end remover will work on most cars and light trucks.
- The necessary force needed to remove tie rod end is easily applied through the center pivot action.
- Fork opening: 22 mm
- Reach: 30-50 mm
- Suitable for:
VW-Audi, BMW, Fiat, Ford, Mercedes, Nissan, Opel, Peugeot, Renault, Rover, Saab, Toyota, Volvo.



Ball joint extractor



62806

 12/18.2/18.7/0.96'  1620g

- For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints, etc.
- Jaw open: 22 mm
- 2-Stage, 50-80 mm.

Tie rod end & pitman arm puller for compact cars



62811

 20/8.9/9.9/0.46'  445g

- For the safe easy removal of pitman arm assembly from compact automobiles.
- Forged, heat-treated yoke with extra heavy center screw
- Opening: 1-1/16" (27 mm)
- Pull: 1-3/4" (45 mm)



Tie rod end & pitman arm puller



62812

 20/17.0/18.0/0.55'  862g

- Redesigned heavy duty tool to be used to remove pitman arms from late model cars and light trucks
- Yoke is forged from high grade alloy steel and heat-treated.
- Opening: 1-5/16" (33 mm)
- Pull: 2-1/2" (64 mm)



Twin-arm bearing pullers



666B

 10/11.4/12.4/1.3'  1140g

- With clamping bridge and pushing adaptor especially for extracting the inner bearing ring at VW-Audi cars.
- Size: 90 mm x 100 mm



Ball joint extractor



628E

	Open		
Part no.	size	packing	g
628E18	18 mm	60/19.0/20.0/1.20'	316
628E23	23 mm	30/16.0/17.0/0.99'	533
628E29	29 mm	20/17.6/18.6/0.90'	880
628E40	40 mm	12/18.6/19.6/0.97'	1550
628E46	46 mm	12/21.0/22.0/1.10'	1750

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



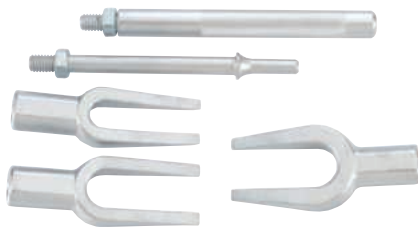
Ball joint separator



628	Open	<i>l</i>		
Part no.	size	mm	packing	g
628300	15/16"	300	25/17.0/18.0/0.38'	680
628400	21/32"	400	20/19.0/20.0/0.38'	950

- Tempered drop forged steel one piece construction for long & rough usage.
- Replacing worn out ball joints easily with a hammer striking.
- **628300** also can separate shock absorber links.
- **628400** also can remove CV drive shafts on FWD vehicles
- Material: SCM440.

5pc Tie rod ball joint separator set



905T2

 10/20.0/21.0/1.46'  2kg

- Made from heat treated drop forged steel.

Contents:

- 1pc Tie rod separator Opening: 17 mm (11/16")
- 1pc Ball joint separator Opening: 24 mm (15/16")
- 1pc Pitman arm wedge Opening: 28 mm (1-1/8")
- 1pc Handle with lock nut 8" (200 mm)
- 1pc Pneumatic handle 7" (180 mm)



Brake caliper tool



65803

 30/21.0/22.0/0.9'  700g

- For rewinding the piston in all collets type disc brake calipers with built-in parking mechanism.
- Essential for fast and easy pad replacement and caliper servicing.
- Suitable for:
Ford, Honda, Jaguar, Mazda, Mitsubishi, Nissan, Rover, Subaru, Toyota, with ABS.



7pc Brake caliper piston tools set



658



12/16.3/17.3/1.3"

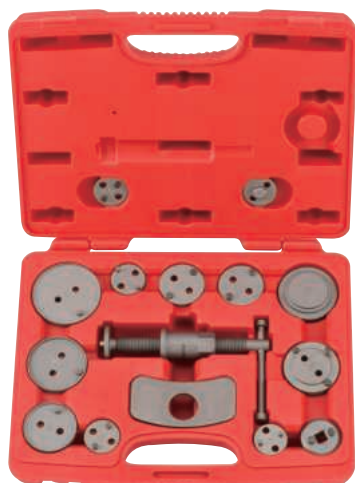


1360g

- Kit comprises main body, screw assembly, special locating plate and 5 adaptors covering wind-back.
- Applicable:
VW, Audi, Ford, Peugeot, Rover, Nissan, Subaru, Honda, BMW, Mitsubishi, Toyota, Jaguar, Mercedes, Mazda.



13pc Disc brake park caliper tools set



65802



10/20.1/21.1/1.8"

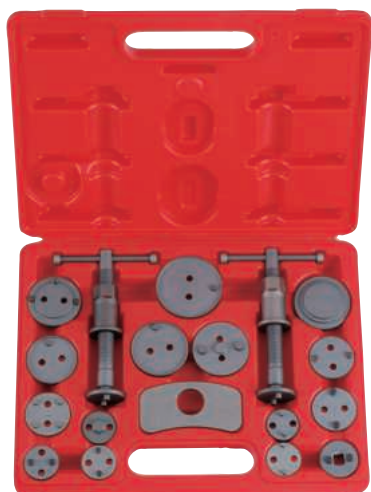


2kg

- For rotating pistons back into the caliper to provide clearance for new pads. Include 11 adaptors (available individually) for use in both 2 and 4-wheel rear disc brake assemblies of most domestic and import cars. The tool may be used "on" and "off" the car.
- Suitable for:
Mercedes, BMW, VW, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan, Mitsubishi, Toyota, Rover, 4WD, Opel, Renault.



18pc Universal caliper wind back kit



65805



10/25.5/26.5/1.87"



2417g

- Two bodies with positive thread and negative thread for different vehicles.
- With one plate and fifteen adaptors to fit most of the cars.
- Applicable:
Citroen, Audi, Fiat, Ford, Isuzu, Honda, Jaguar, BMW, Nissan, Mitsubishi, VW, Saab, Mazda, Toyota ...etc.



Auto body repair pull clamp


62501

12/25.2/26.2/0.6' 1940g

- Single direction action
- Capacity: 5 tons



Auto body repair pull clamp (two way)


62502

12/26.0/27.0/0.6' 2100g

- Two direction action
- Cross capacity: 2 tons
- Longitudinal capacity: 5 tons

Auto body repair pull clamp


62503

10/20.1/21.1/0.65' 2kg

- Single direction action
- Capacity: 3 tons

Auto body repair pull clamp


62504

10/20.1/21.1/0.88' 2kg

- Single direction action
- The two side heights of jaw surface are not even, most suitable for narrow space application.
- Capacity: 3 tons

Auto body repair pull clamp (two way)


62505

10/20.1/21.1/0.94' 2kg

- Two direction action
- The two side heights of jaw surface are not even, most suitable for narrow space application.
- Cross capacity: 2 tons
- Longitudinal capacity: 3 tons

Long nose pull clamp

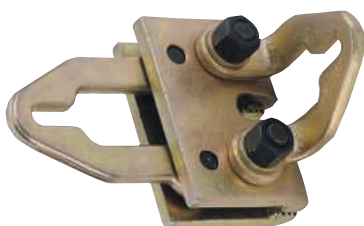


62509

 10/16.6/17.6/0.67'  1660g

- Single direction action.
- Long jaw mouth is most suitable for narrow space application.
- Capacity: 1 ton

Auto body repair pull clamp (two way)

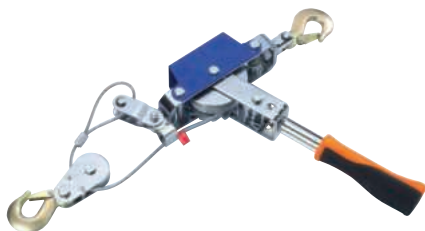


62512

 6/17.3/18.3/0.71'  2880g

- Two direction action.
- The jaw surface is long 120 mm, most suitable for thin sheet application.
- Cross capacity: 3 tons
- Longitudinal capacity: 5 tons

1 ton Portable puller



88201

 6/20.0/21.0/1.96'  3400g

- Detachable Handle with ergonomic design.
- Stores in a handy case and easily under a pick-up seat or straps to a luggage carrier.
- Capacity: 1 ton (2000 lbs)
- Cable: 5 mm x 10 ft with 2 hooks

Multi-function powerful suction cup



634

Part no.	Application	Capacity		
		kgs	packing	g
63401	On flat object	50	20/7.9/5.9/1.6'	395
63404	Fixed 2 sucker	80	20/24.3/25.3/4.0'	1215

- To pull up the plating notched part.
- To fix the windows while maintaining.
- To assemble the front and rear wind broken glasses.



Multi-function powerful suction cup (Aluminum)



634...A

Part no.	Application	Capacity kgs	 packing	 g
63401A	On flat object	30	20/10.9/11.9/1.6'	480
63403A	Fixed 2 sucker	50	20/20.1/21.1/4.0'	780
63404A	Flexible 2 sucker	35	20/24.4/25.4/4.0'	1180
63405A	Fixed 3 sucker	100	10/14.1/15.1/3.1'	1410

- To pull up the plating notched part.
- To fix the windows while maintaining.
- To assemble the front and rear wind broken glasses.

Adjustable body file blade holder

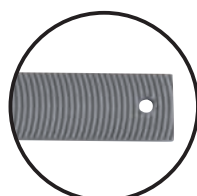


65701

 20/15.7/16.7/2.1'  785g

- Application: for 14" (350 mm) flexible file adjustable frame.

Body file blade



65714

Part no.	Teeth per inch	<i>l</i> inch	 packing	 g
6571409	9	14	60/18.6/19.6/0.5'	310
6571412	12	14	60/21.0/22.0/0.5'	350

- HRC: 58-64

5pc Auto body tool set



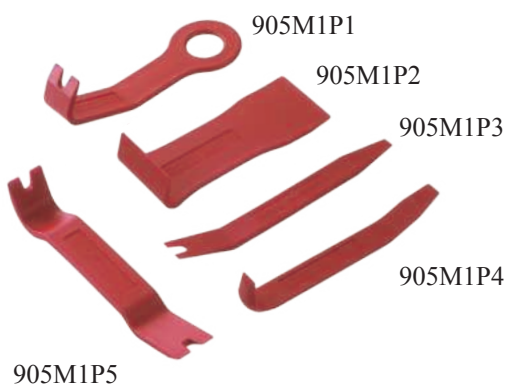
T905M2

6/5.0/6.0/0.65'

850g

	1pc	905M2P1	Trim pad remover (big)
	1pc	905M2P2	Trim pad remover (small)
	1pc	905M2P3	Gasket scraper
	1pc	905M2P4	Radiator hose remover
	1pc	905M2P5	Cotter pin puller

5pc Handy remover set



905M1

24/9.0/10.0/2.7"

336g

- For plastic upholstery fastener.
- Place tool under edge of door panel and insert into fastener as far as possible and then simply pull up.

Contents:

- 1pc Pull type remover (905M1P1)
- 1pc Wide type remover (905M1P2)
- 1pc Upholstery clip remover (905M1P3)
- 1pc Narrow type remover (905M1P4)
- 1pc Handy remover (905M1P5)



4pc Trim removal set



904M3

72/6.9/7.9/1'

200g

- The most versatile body/interior tool set we have ever carried. Nearly indestructible, non-marring composite construction.
- Great for technicians, body shops, upholstery shops.

Contents:

- 1pc Pointer-pointed side trim removal tool (904M3P1)
- 1pc Spreader trim removal tool (904M3P2)
- 1pc Viper's tongue-lever side trim removal tool (904M3P3)
- 1pc Ski side trim removal tool (904M3P4)

4pc Hook & pick set



904U4

60/11.3/12.3/1.9' 309g

	1pc	904U4P1	Full hook
	1pc	904U4P2	90° hook
	1pc	904U4P3	Angel hook
	1pc	904U4P4	Straight pick

5pc Mini pick and hook set



905G6

100/4.4/5.4/1.5' 44g

- Miniature pick set.
- Removes O-rings in line connections and inside compressors.
- Aluminum handles with 4 stainless tools:
 1. Awl end
 2. Hook end
 3. 45° Bent tip
 4. 90° Bent tip



Brush Assortment



938U1

4/5.8/6.8/1.0' 1458g

- For professional cleaning and deburring of cylinders, tubes, bushings, etc.
- Also for use on electric and air-powered drills.

Contents:

12pc Nylon brushes:

Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-N 08...19)

12pc Steel brushes:

Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-S 08...19)

12pc Brushes with brass coating:

Ø 8-9-10-11-12-13-14-15-16-17-18-19 mm (938U1-B 08...19)

1pc 1/4" handle with adapter and quick lock (8148)

1pc Magnetic QR 1/4"Hex-1/4"Hex 6" (150mm) (812150Q)

Brass & nylon scrape brushes



9U3001

 240/8.7/9.7/2.1"

 36g

- Length: 3" (75 mm)

Wire brush



9U3003

 120/7.7/8.7/2.1"

 64g

- Length: 8.7" (220 mm)

Tool holders rail (w/ two back clips)



82031

Part no.	psc	<i>l</i> mm	 g
820311	11	438	178
820312	12	438	298

