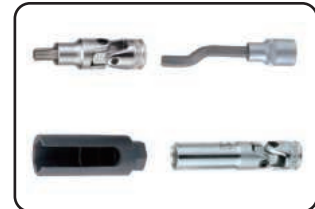




General

8-1 **Socket bit tool /
Socket series**



8-13 **Wrench series /
Screwdriver**



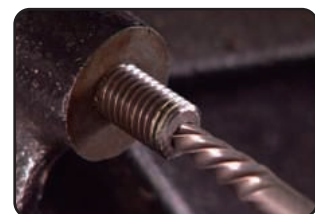
8-16 **Air hose reel /
Air blow gun**



8-19 **Stud extractor**

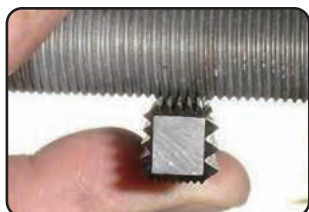


8-21 **Damaged bolt remove /
Screw extractor**



8-26

8-27 **Threaded repair /
Nut cracker tool**



8-49 **Pipe wrench**



8-65 **Fender cover /
Seat cover**



8-31 **Hammer / Chisel /
Pin punch**



8-51 **Tubing cutter /
Double flaring tool**



8-66 **Steel creeper /
Steel car seat**



8-35 **Riveter tool**



8-57 **Steel wire rope /
Bolt cutter**



8-67 **Oil pump**



8-38 **Vise**



8-58 **Inspection mirror /
Work light**



8-68 **Grease gun / Oil can /
Pry bar**



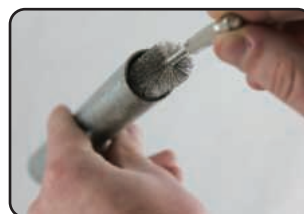
8-40 **Shears / Pliers**



8-63 **Magnetic pick-up /
Fender cover / Car seat**



8-74 **Brush**



8-48

8-65

8-75



GENERAL

20pc 1/2"DR. Hex socket bit set



4206

4/13.0/14.0/1.3' 3250g

		10pc	5; 6; 7; 8; 9; 10; 12 mm (55 mmL) 14 mm (65 mmL) 17; 19 mm (70 mmL)
		10pc	5; 6; 7; 8; 10; 11; 12; 13; 14 mm (100 mmL) 17mm (110 mmL)

26pc 1/2"DR. Star socket bit set



4263

4/14.9/15.9/1.3' 3725g

		12pc	T20; T25; T27; T30; T35; T40; T45; T47; T50; T55; T60; T70 (55 mmL)
		14pc	T20; T25; T27; T30; T40; T45; T50; T55; T60; T70; T80; T90; T100 (100 mmL) T60 (140 mmL)

28pc 1/2"DR. Spline socket bit set



4285

4/17.6/18.6/1.3' 4400g

		8pc	M5; M6; M8; M9; M10; M12; M14; M16 (55 mmL)
		15pc	M5; M6; M8; M9; M9.5; M10; M12; M14; M16; M18 (100 mmL) M8; M9; M10; M12; M14 (140 mmL)
		2pc	M14; M16 (55 mmL)
		1pc	M16 (100 mmL)
		2pc	M10 Alternator tools (674)

26pc 1/2"DR. Ribe socket bit set



4265

4/15.7/16.7/1.3'

3925g

	1pc	M6 (55 mmL)
	15pc	M5; M6; M7; M8; M9; M10; M12; M13; M14; M16 (100 mmL) M8; M9; M10; M12; M14 (140 mmL)
	1pc	M10S (140 mmL)
	9pc	M5; M6; M7; M8; M9; M10; M12; M14; M16 (63 mmL)

26pc 1/2"DR. Auto special socket bit set



4266

4/18.8/19.8/1.3'

4700g

	3pc	11; 13 mm (100 mmL) 10 mm (140 mmL)
	3pc	T60; T70 (100 mmL) T60 (140 mmL)
	4pc	T-55H (100 mmL) T-70H (105 mmL) T-30H (130 mmL) T-80H (140 mmL)
	6pc	M14 (100 mmL) M9 (120 mmL) M8; M9; M10; M12 (140 mmL)
	1pc	M16 (55 mmL)
	1pc	M16 (100 mmL)
	3pc	M13 (100 mmL) M12 (120 mmL) M9 (140 mmL)
	1pc	M10S (140 mmL)
	2pc	M10 Alternator tools (674)
	2pc	T50 Alternator tools (678)





2311

 40/12.6/13.6/1.1'

 315g

		6pc	1/4" PH.0, PH.1x2, PH.2x2, PH.3 (25 mmL)
		6pc	1/4" PZ.0, PZ.1x2, PZ.2x2, PZ.3 (25 mmL)
		4pc	1/4" 3; 4; 5; 6.5 mm (25 mmL)
		6pc	1/4" 2; 2.5; 3; 4; 5; 6 mm (25 mmL)
		8pc	1/4" T-10H, T-15H, T-20H, T-25H, T-27H, T-30H, T-35H, T-40H (25 mmL)
		1pc	Magnetic QR 1/4"Hex-1/4"Hex 2.3" (60 mm)



9pc 1/4" & 3/8" Five-sided star tamperproof socket bit set



3095		 30/7.0/8.0/0.9'		 233g	
 	7pc	1/4"DR. TS10; TS15; TS20; TS25; TS27; TS30; TS40 (32 mmL)			
	2pc	3/8"DR. TS45; TS50 (50 mmL)			

3/8"DR. Universal star socket bit



336...U		<i>l</i>		
Part no.	Tip	mm	g	pc/box
33645U	T45	65	68	10
33650U	T50	65	70	10

5pc 1/2" Specialty set



4059

20/13/14/1.3'

650g

		3pc	M8; M10; M12 (140mmL)
		1pc	8mm (130mmL)
		1pc	8mm (105mmL) (33410508B)

PH.2 Bits with limiter



121A



l



Part no.	size	mm	packing	g
121A252	PH.2	25	400/7.8/8.8/1.2'	19.5
121A502	PH.2	50	400/10.2/11.2/1.2'	25.5



Angle drill tool with quick release



827B03

48/18.7/19.7/0.8'

390g

- 1/4" Hex shank.
- 1/4" Bit holder with quick release.
- Adjustable mini handle attached to quick locking sleeve allows user to rotate it 360°.
- Transmit the spinning smoothly at the 90° direction switch.
- Reach most difficult space.

Magnetic screw bit holder



827B02

400/3.2/4.2/0.58'

8g

- Width: 14 mm
- Length: 24 mm



GENERAL

1/4"DR. Universal 6pt. flank socket



80525		<i>l</i>		
Part no.	socket	mm	g	pc/box
8052506	6	39	22	20
8052507	7	39	24	20
8052508	8	39	24	20
8052509	9	39	24	20

1/4"DR. Universal 6pt. flank deep socket



8052565		<i>l</i>		
Part no.	socket	mm	g	pc/box
805256505	5	65	29	20
805256506	6	65	31	20
805256507	7	65	36	20
805256508	8	65	38	20
805256509	9	65	38	20
805256510	10	65	44	20
805256511	11	65	49	20
805256512	12	65	49	20
805256513	13	65	50	20

9pc 1/4"DR. Universal deep socekt set

NEW



20919		36/14.7/15.7/0.94"		408g
	9pc	5; 6; 7; 8; 9; 10; 11; 12; 13 mm (65 mmL)		

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



80535		<i>l</i>		
Part no.	socket	mm	g	pc/box
8053510	10	56	64	10
8053511	11	56	66	10
8053512	12	56	67	10
8053513	13	56	67	10
8053514	14	56	70	10
8053515	15	56	77	10
8053516	16	56	78	10
8053517	17	56	82	10
8053518	18	56	92	10
8053519	19	56	92	10
805353.8	3/8"	56	64	10
805357.16	7/16"	56	66	10
805351.2	1/2"	56	67	10
805359.16	9/16"	56	67	10
805355.8	5/8"	56	78	10
8053511.16	11/16"	56	82	10
805353.4	3/4"	56	92	10

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



8053585		<i>l</i>		
Part no.	socket	mm	g	pc/box
805358510	10	85	82	10
805358511	11	85	86	10
805358512	12	85	92	10
805358513	13	85	92	10
805358514	14	85	104	10
805358515	15	85	108	10
805358516	16	85	112	10
805358517	17	85	121	10
805358518	18	85	136	10
805358519	19	85	136	10
80535853.8	3/8"	85	82	10
80535857.16	7/16"	85	86	10
80535851.2	1/2"	85	92	10
80535859.16	9/16"	85	92	10
80535855.8	5/8"	85	112	10
805358511.16	11/16"	85	121	10
80535853.4	3/4"	85	136	10





80536		<i>l</i>		
Part no.	socket	mm	g	pc/box
8053606	E6	54	52	10
8053607	E7	54	52	10
8053608	E8	54	56	10
8053610	E10	54	56	10
8053611	E11	54	60	10
8053612	E12	54	60	10
8053614	E14	54	62	10
8053616	E16	54	62	10

1/2"DR. Universal 6pt. flank socket



80545		<i>l</i>		
Part no.	socket	mm	g	pc/box
8054513	13	67	131	10
8054514	14	67	136	10
8054515	15	67	136	10
8054516	16	67	137	10
8054517	17	67	137	10
8054518	18	67	144	10
8054519	19	67	151	10
8054520	20	67	151	10
8054521	21	67	151	10
8054522	22	67	155	10
8054524	24	67	168	10
805451.2	1/2"	67	130	10
805459.16	9/16"	67	135	10
805455.8	5/8"	67	136	10
8054511.16	11/16"	67	137	10
805453.4	3/4"	67	151	10
8054513.16	13/16"	67	151	10
805457.8	7/8"	67	153	10
8054515.16	15/16"	67	167	10

1/2"DR. Universal 6pt. flank deep socket



80545108				
		<i>l</i>		
Part no.	socket	mm	g	pc/box
8054510813	13	108	172	10
8054510814	14	108	179	10
8054510815	15	108	186	10
8054510817	17	108	201	10
8054510819	19	108	222	10
8054510821	21	108	255	10
8054510822	22	108	266	10
8054510824	24	108	283	10
805451081.2	1/2"	108	173	10
805451089.16	9/16"	108	175	10
805451085.8	5/8"	108	179	10
8054510811.16	11/16"	108	192	10
805451083.4	3/4"	108	216	10
8054510813.16	13/16"	108	259	10
805451087.8	7/8"	108	266	10
8054510815.16	15/16"	108	283	10

1/2"DR. Universal star socket



80546				
		<i>l</i>		
Part no.	socket	mm	g	pc/box
8054608	E8	65	124	10
8054610	E10	65	124	10
8054611	E11	65	125	10
8054612	E12	65	127	10
8054614	E14	65	127	10
8054616	E16	65	133	10
8054618	E18	65	133	10
8054620	E20	65	177	10
8054624	E24	65	177	10

1"DR. Rectangular deep socket



48311021				
	Size	<i>l</i>		
Part no.	mm	mm	kg	pc/box
48311021	21x28	110	1.44	2

- Special design for railway.



GENERAL



6pc 1/2"DR. Star extra-long deep socket set



40616

10/17.3/18.3/1.2' 1732g

6pc	E10; E12; E14; E16; E18; E20 (150 mmL)
-----	--

1/4"DR. Mixture adjuster



601235

200/5.6/6.6/1.3' 28g

- 1/4" Driver tamperproof mixture adjuster (Double D) for use on Asian and Mikuni carburetors found on Toyota and Mitsubishi cars (35 mmL).

1/4"DR. Mixture adjuster

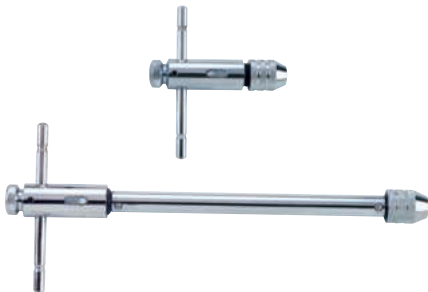


601250

200/5.6/6.6/1.3' 28g

- 1/4" Driver tamperproof mixture adjuster (fish tail) for use on Nikki and Hitachi carburetors found on Nissan and Subaru cars (50 mmL).

T tap wrench (ratchet type)



881	Tap range	<i>l</i>	
Part no.	size	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

6pc Star wrench set



5062

30/16.5/17.5/1.4' 566g

	6pc	E6xE8; E7xE11; E10xE12; E14xE18; E16xE22; E20xE24
---	-----	--

6pc Extra-long flat ring wrench set



50622

12/26.3/27.3/0.99' 1980g

	6pc	10x12; 12x14; 13x15; 14x17; 16x18; 17x19 mm
---	-----	---

6pc Extra-long flat ring wrench set



50622A

12/28.8/29.8/1.1' 2360g

	6pc	8x10; 12x14; 13x15; 16x18; 17x19; 22x24 mm
---	-----	--

6pc Extra-long flat ratchet ring wrench set



50623

12/20.7/21.7/1.2' 1742g

	6pc	10x12; 12x14; 13x15; 14x17; 16x18; 17x19 mm
---	-----	---

6pc S-form ring wrench set



50634

10/11.0/12.0/1.1' 1100g

	6pc	10x12; 11x13; 14x15; 16x18; 17x19; 22x24 mm
---	-----	---



GENERAL



5066

 30/20/21/1.3'  684g

	6pc	8x10; 10x11; 10x12; 11x13; 12x14; 17x19 mm
---	-----	--

6pc Flare nut wrench set (SAE)



5066S

 30/23.8/24.8/1.5'  766g

	6pc	5/16" x 3/8"; 3/8" x 7/16"; 7/16" x 1/2"; 1/2" x 9/16"; 5/8" x 3/4"; 11/16" x 3/4"
---	-----	---

Ratchet flare nut wrench



751...A	Size	<i>l</i>		
Part no.	mm	mm	g	pc/box
75108A	8	137	84	10
75110A	10	137	85	10
75111A	11	138	88	10
75112A	12	138	82	10
75113A	13	140	91	10
75114A	14	140	86	10
75117A	17	186	146	10
75119A	19	189	157	10
75122A	22	232	294	10

9pc Ratchet flare nut wrench set



T50918

 6/7.8/8.8/0.65'  1400g

	9pc	8; 10; 11; 12; 13; 14; 17; 19; 22 mm
---	-----	--------------------------------------

Adjustable spanner wrench



9U0701



48/16.1/17.1/1.1'



335g

- This tool is ideal for adjusting pillow block bearings.
- Also works well on international model “M” water pump or power takeoff on all.
- Adjustable from 1/2" to 2-3/4".



Extra-long spline key M8



76808XL



l



Part no.	Tip	mm	packing	g
76808XL	M8	258	200/24/25/0.96'	115

- For use in hard-to-access areas.

Flexible extension tube

NEW



804...F

Size

l



Part no.	DR.	mm	g
8043200F	3/8"	200	260
8044200F	1/2"	200	272



- Helps access to hard-to-reach corners.
- Delivers high torsion

18" Flexible extension



8111L

Size

l



Part no.	DR.	mm-inch	packing	g
8111L	1/4"	450-18"	100/16.8/17.8/0.9'	168



648		<i>l</i>	<i>ℓ</i>		
Part no.	size	blade	over	g	pc/ctn
648055	5.5	160	270	190	60
64806	6	160	270	192	60
64807	7	160	270	196	60
64808	8	160	270	198	60
6481.4	1/4"	160	270	192	60
6485.16	5/16"	160	270	198	60

6480607		<i>l</i>	<i>ℓ</i>		
Part no.	size	blade	over	g	pc/ctn
6480607	6x7	160	275	220	60

648...L		<i>l</i>	<i>ℓ</i>		
Part no.	size	blade	over	g	pc/box
648055L	5.5	500	630	275	10
64806L	6	500	630	275	10
64807L	7	500	630	275	10
64808L	8	500	630	275	10

655			<i>l</i>	<i>ℓ</i>		
Part no.	Tip	size	blade	over	g	pc/box
65511		PH.1	350	450	75	10
65512		PH.2	350	450	75	10
65512L		PH.2	400	515	215	10
65522L		PZ.2	400	515	215	10
655304		4	300	400	65	10
655305		5	300	400	65	10
655306		6	300	400	65	10
655308		8	300	400	70	5
6553065L		6.5	400	515	215	10

7pc Extra-long star screwdriver set



20719

10/10.3/11.3/1.3' 1030g

7pc	T10; T15; T20; T25; T27; T30; T40 (300 mmL)
-----	---

Spline screwdriver M4



71817004A



l



Part no.	Tip	blade	g	pc/box
71817004A	M4	80	35	10

- For removing & fitting the internal covering of tail lamps and dashboards as fitted to the Golf IV & new Audi/VW models.
- For door handle VW Passat and Golf IV.

Five-sided star tamperproof screwdriver



71F



l

l



Part no.	Tip	blade	over	g	pc/box
71F10	TS10	150	255	62	10
71F15	TS15	150	255	62	10
71F20	TS20	150	255	62	10
71F25	TS25	150	255	73	10
71F27	TS27	150	270	104	10
71F30	TS30	150	270	104	10
71F40	TS40	150	280	146	10

6pc Extra-long screwdriver set



20611

10/11.5/12.5/2.0' 1150g

2pc	PH.1; PH.2 (350 mmL)
4pc	4; 5; 6; 8 mm (300 mmL)



891B01

10/13.7/14.7/0.86' 1370g

- Holding power: 80 kgw



Dial gauge



891A01

50/3.3/4.3/1.3' 64g

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



Micrometer



5096P9025



5096P9050~5096P9100

5096P9	Range	packing
Part no.	mm	
5096P9025	0-25	50/15.0/16.0/0.6'
5096P9050	25-50	50/25.0/26.0/0.8'
5096P9075	50-75	30/24.0/25.0/1.2'
5096P9100	75-100	25/20.0/21.0/1.0'

Micrometer

NEW



5096P9...A

Part no.	Range	packing
5096P9025A	0-25	50/15.0/16.0/0.6'
5096P9050A	25-50	50/25.0/26.0/0.8'
5096P9075A	50-75	30/24.0/25.0/1.2'
5096P9100A	75-100	25/20.0/21.0/1.0'

- Precision: 0.01 mm, reading: 0.001 mm

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: 15 m
- Hose I.D.: 5/16"

Auto-rewinder air hose reel



9U0201A

 3/19.0/20.0/3.0'

 6335g

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



High-volume air nozzle (slide type)



9U0221



120/3.96/4.96/1.8'



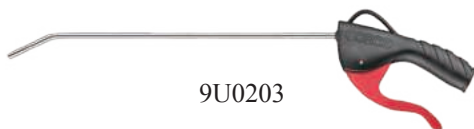
- Equip the nozzle on pipes, in spiral direction, and tighten the bolt and the nozzle onto pipes.
- High-volume air nozzle produces an air volume that triples that of a regular blow gun.
- Inner O-ring attachment design protects the pipes of air blow guns.
- Applicable for any air blow guns with Ø6 mm or Ø8 mm 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 kind of chip.

Extendable air blow gun



9U0204



9U0205

9U0204



60/17.0/18.0/2.5'



283g

9U0205



50/13.0/14.0/2.9'



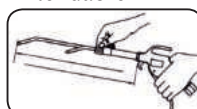
260g

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

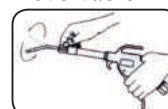
Specification:

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

Extendable



Revolvable



Multi-functional air blow gun



9U0206

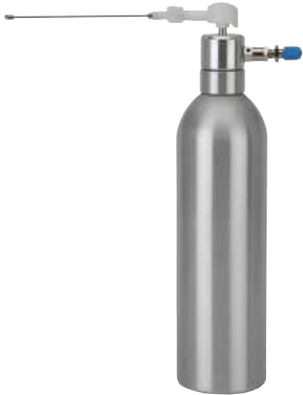
80/20.5/22.5/4.7' 256g

- 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



GENERAL

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



12/16.5/16.96/0.62'



1375q

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



Stud extractor



818			<i>l</i>		
Part no.	Drive	size	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	68	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"	68	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

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

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



Adjustable tap / extractor holder

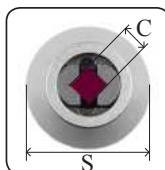
NEW



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.



6pc 1/2"DR. Twist socket set



906U2



20/19.8/20.8/1.4'



- Remove damaged bolts or rounded fasteners.

Contents:

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

17; 19; 21; 23; 27 mm

1pc 12mm 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

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

1/2"DR. Twist socket

NEW



9US4

Part no.	size	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

- Remove damaged bolts or rounded fasteners.

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.

Bolts & rounded fasteners extractor set



920U3

10/14.4/15.4/1.2' 1440g

- Remove damaged bolts, screws, nuts or rounded 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" (150mm)
- 1pc 3/8"DR Wobble extension 1.75" (44mm)



GENERAL

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

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)

Star T25, T30, T40, T45, T50 (35mmL)

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

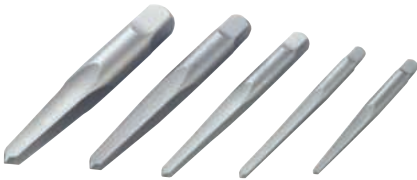
24/17/18/1"

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)





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)	



8pc Screw extractor set



63006		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)	

8pc Screw extractor set



63006B		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)	

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,

M8-1.25 x 1.5D, 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, 12.4 mm.

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	M5 x 0.8	29	30/8.2/9.2/1.7'	275
929U2	M6 x 1.0	29	30/9.2/10.2/1.7'	310
929U3	M8 x 1.25	29	30/11.6/12.6/1.7'	390
924U2	M10 x 1.0	24	30/13.8/14.8/1.7'	460
924U3	M10 x 1.25	24	30/13.8/14.8/1.7'	460
924U5	M10 x 1.5	24	30/13.8/14.8/1.7'	460
912U5	M12 x 1.25	12	30/16.5/17.5/1.7'	550
912U6	M12 x 1.5	12	30/16.5/17.5/1.7'	550
912U7	M12 x 1.75	12	30/16.5/17.5/1.7'	550
910U5	M14 x 1.25	10	30/18.6/19.6/1.7'	620
910U6	M14 x 1.5	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,

M20 x 1.50, M20 x 1.25, 3/4" x 20 UNEF, 13/16" x 20 UNEF



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

 10/6.2/7.2/0.57'

 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



- Restore 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

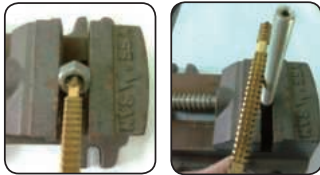
66903

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

4pc Nut splitter set



672  12/19/20/0.84'  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.

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

Soft face hammer



616A700	24/16.9/17.9/0.91'	700g
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- Hammer head: black TPR & transparent yellow acetate head
- Handle: 1.4 mm harden tubular steel handle, PVC ring & A type PVC grip

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'

Brass taper punch 3/8", 5/8" hex



606B200

60/19.8/20.8/0.2' 326g

- Length: 8" (200 mm)

5pc Chisel set



50510

30/26.6/27.6/0.5' 887g

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

6pc Pin punch set



50613

30/16.7/17.7/1.3' 540g

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





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

3/4" Manual impact driver

NEW



8176

20/23/24/0.44'

1150g

- 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

30/9/10/0.62'

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

13pc Tungsten carbide tipped metal borer set



913U1 / 913U2



10/15.7/16.7/1.4'



1570g

- Use the same arbor for saw heads of different sizes.
- Change saw heads with a simple push and turn the fixed screw.
- H.S.S. center drill is replaceable.
- Shank size of the arbor is 3/8".
- Spring can help slug removal.

Contents:

1pc Arbor

1pc Spring

2pc H.S.S center pilot drill 75, 84 mm

2pc Hex key 3, 4 mm

7pc Saw head 19, 22, 25, 28, 30, 32, 35 mm (**913U1**)

7pc Saw head 30, 32, 35, 38, 40, 45, 51 mm (**913U2**)

Tapered reamer



9U0901



240/16.8/17.8/1.4'



70g

9U0902



48/16.6/17.6/1.3'



345g

- Ream, deburr, align, and enlarge holes. T-handle makes turning easy.
- Reamer is made of high-grade heat-treated tool steel for long life.
- To avoid damage tool, it must always be turned clockwise. The use of cutting oil is recommended.

9U0901 Capacity: 1/8" to 3/8" (3 mm to 10 mm)

9U0902 Capacity: 5/32" to 17/32" (4 mm to 31 mm)



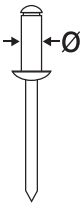
GENERAL

Rivet pliers



67801	<i>l</i>		
Part no.	mm	packing	g
67801	180	20/15.7/16.7/2.1'	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	<i>l</i>		
Part no.	mm	packing	g
67802	280	20/12.6/13.6/1.5'	630

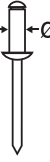
- M6 nozzle included (67802-M6)
- M3, M4, M5 are optional:
(5861-M3, 5861-M4, 5861-M5)

Hand riveter

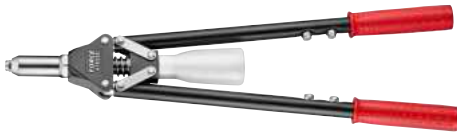


678260		30/17.3/18.3/1.5'		556g
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- Rivet size:
Ø2.4 mm (Ø3/32"); Ø3.0, 3.2 mm (Ø1/8");
Ø4.0 mm (Ø5/32"); Ø4.8, 5.0 mm (Ø3/16")
- High-grade heavy-duty steel plate upper handle with advanced heat treatment, high-strength aluminum body, high-grade steel 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			
	Rivet diameter	Aluminum	Steel	Stainless Steel/Inox
	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



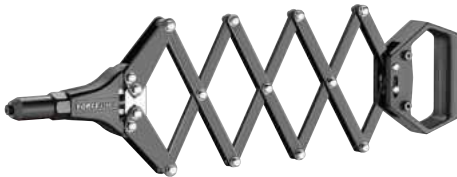
678535

10/17.5/18.5/1.6' 1890g

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

Rivet 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"	▲	■	●

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

30/17.3/18.3/1.5' 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

Thread Size	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

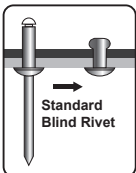
678A01

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"	▲	■	●



Grey cast iron bench vise (without base)



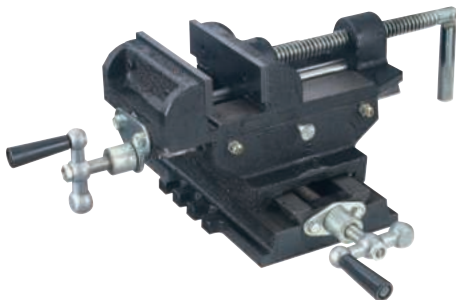
Part no.	Jaw	Throat	
	open	depth	packing
6540104	4"	2-5/8"	1/12.2/13.2/0.43'
6540105	5"	3-1/4"	1/13.7/14.7/0.60'
6540106	6"	3-3/4"	1/19.6/20.6/0.82'
6540108	8"	4"	1/26.8/27.8/0.97'

Drilling press vise



Part no.	Jaw	Throat	
	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'

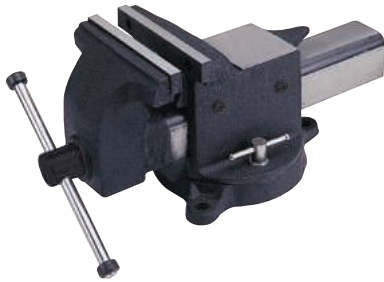
Cross vise



Part no.	Jaw	
	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'

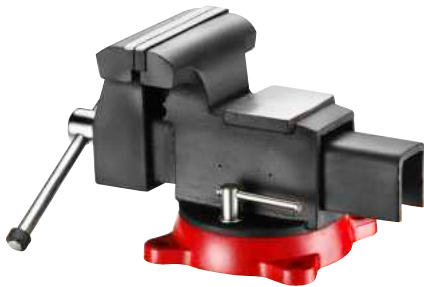


Forged steel bench vise



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.

Scriber of wolfram steel



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

- Include one tungsten lead and one carbon lead.

Electrician folding knife

NEW



68021	 100/8.4/9.4/1.8'	 64g
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- Length: unfolded 210 mm / folded 122 mm



GENERAL

Ultra-slender utility knife



5055P403

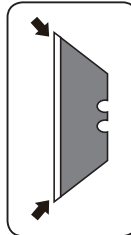


100/15.2/16.2/1.42' 134g



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



Straight shears



5055P1

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

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

50/22/23/2.3'

373g

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



Locking pliers (straight jaw)



614A	<i>l</i>		
Part no.	mm-inch	packing	g
614A175	175-7"	40/16.4/17.4/0.96'	380
614A250	250-10"	40/23.2/24.2/1.00'	580

Locking pliers (V-jaw)



614B225	<i>l</i>		
Part no.	mm-inch	packing	g
614B225	225-9"	40/23.0/24.0/1.0'	575

Locking pliers



614	<i>l</i>		
Part no.	mm-inch	packing	g
614125	125-5"	40/7.6/8.6/0.70'	190
614175	175-7"	40/14.8/15.8/0.96'	370
614250	250-10"	40/22.0/23.0/1.1'	550

Long nose locking pliers



615	<i>l</i>		
Part no.	mm-inch	packing	g
615150	150-6"	50/10.3/11.3/1.1'	220
615225	225-9"	50/19.5/20.5/1.2'	390

Adjustable locking pliers



65202	<i>l</i>		
Part no.	mm-inch	packing	g
65202	215-9"	50/20.0/21.0/1.3'	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.



Wire twisting pliers



6958	<i>l</i>		
Part no.	mm	packing	g
6958160	160	48/12.0/15.0/1.0'	237
6958225	225	48/18.2/21.0/1.3'	368



Wire rope cutter



6959180	<i>l</i>		
Part no.	mm	packing	g
6959180	180	60/17.04/18.04/1.8'	284



GENERAL

Parallel jaw lock ring pliers



9T0101

36/14.2/15.2/1.7' 395g

- Features heavy drop forged 10" external action lock ring pliers
- Features compound leverage action.
- The thin jaws are notched to securely hold snap rings and they open in a parallel plane.
- Ideal for working on automatic transmissions.
- Spread: 1.1/16" (27 mm)
- Length: 10" (250 mm)



Straight tip lock ring pliers



9T0103

72/20.0/21.0/1.7' 274g

- Features heavy dropforged tips with wider opening for standard transmissions.
- Tip: flat, straight, serrated.
- Spread: 24 mm
- Length: 220 mm

Angled tip lock ring pliers



9T0104

72/20.0/21.0/1.7' 276g

- Features heavy dropforged tips with wider opening for standard transmissions.
- Tip: flat, angled, serrated.
- Spread: 24 mm
- Length: 220 mm

Internal lock ring pliers



9T0105

36/14.6/15.6/0.9' 400g

- Wide flat jaws designed for easy removal of lock rings on transmissions, differentials, shafts etc.
- Spring return handles.

Snap ring pliers (internal 90° bent tip)



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

• 60912ABC is without a spring.

Snap ring pliers (external 90° bent tip)



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

Snap ring pliers (internal straight tip)



609...ASC	Capacity	Tip	<i>l</i>		
Part no.	mm	mm	mm-inch	packing	g
60905ASC	8-25	1.3	140-5.5"	30/3.28/4.28/0.44'	80
609ASC	19-60	1.9	180-7"	30/5.0/6.0/0.73'	180
60909ASC	40-100	2.3	230-9"	30/11.4/12.4/1.2'	325
60912ASC	85-165	3.2	310-12"	36/19.5/20.5/1.2'	403

• 60912ASC is without a spring.

Snap ring pliers (external straight tip)



609...ASO	Capacity	Tip	<i>l</i>		
Part no.	mm	mm	mm-inch	packing	g
60905ASO	8-25	1.3	140-5.5"	30/3.4/4.4/0.44'	80
609ASO	19-60	1.9	180-7"	30/5.6/6.6/0.73'	194
60909ASO	40-100	2.3	230-9"	30/12.1/13.1/1.2'	311
60912ASO	85-165	3.2	310-12"	36/20.5/21.5/1.65'	438.5

Internal snap ring pliers (long arm)


9U0102


48/11.5/12.5/2.0'



240g

- Special design for the retaining ring in the deep hole.
- The most deep size: 56 mm

3pc Heavy-duty lock ring pliers set


903U1


36/21.5/23.0/1.4'



545g

- Serrated angled flat tips retaining screws.
- Designed for heavy-duty service on external lock rings used in truck and tractor transmissions.
- Replaceable tips.
- Extra leverage from long spring loaded handles.
- Spread: 3" (75 mm)
- Length: 14" (355 mm)



4pc Internal-external snap ring pliers set

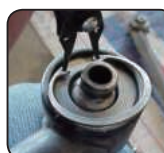

904U3


60/12.0/14.0/2.5'



200g

- Effective range: 10-50 mm (3/8" - 2")
- Includes four pieces exchangeable tips
- 2pc Straight tips
- 1pc 90° angled tips
- 1pc 45° angled tips
- Jaws can be exchanged easily for 6 internal-external different purposes.



12pc Internal-external circlip pliers set



912U1

6/19.8/20.8/2.3'

3300g

- Feature replaceable points and spring ratchet locking mechanism to securely hold against circlip tension.
Internal: 3-1/16" to 6-1/4"
External: 3-1/2" to 6-1/2"
- Tip diameter: 0.12" (3 mm)
Spread: 3-1/4" (85 mm)
Length: 16" (400 mm)

20pc Internal-external circlip pliers set



920U2

10/13.5/15.0/1.6'

1.35kg

- Feature replaceable tips and spring ratchet locking mechanism to securely hold against tension. Offset tips make it easier to facilitate circlip.
- Internal: 3-1/16" to 6-1/4"
External: 3-1/2" to 6-1/2"
- Replaceable tips:

Qty	Tip size	Tip angle
2	0.108	0°
2	0.108	15°
2	0.108	45°
2	0.108	90°
2	0.120	0°
2	0.120	15°
2	0.120	45°
2	0.120	90°

10pc Universal locking tool set



910U3

10/13.1/14.1/1.3'

1310g

- The multipurpose 9-1/2" pliers with five attachments.
- Parts are interchangeable depending on the desired functions and purpose.

Pipe wrench



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



Aluminum pipe wrench



684...A	Jaw opening	<i>l</i>		
Part no.	mm	mm	packing	g
68410A	33	245	24/11.0/12.0/0.4'	460
68412A	42	290	24/17.0/18.0/0.4'	700
68414A	48	325	24/21.5/22.5/0.5'	895
68418A	60	405	12/18.0/19.0/0.9'	1500
68424A	73	555	6/14.0/15.0/0.7'	2330
68436A	102	775	3/14.0/15.0/1.1'	4660
68448A	141	1055	2/16.7/17.7/1.0'	7940



Pipe wrench



684C	Size	Working capacity	<i>l</i>		
Part no.	inch	mm	mm-inch	packing	g
684C14	1	0-44	350-14"	20/15.8/16.8/0.78'	790
684C17	1-1/2	0-58	440-17"	16/23.2/24.2/1.70'	1450
684C22	2	0-76	560-22"	8/18.8/19.8/1.60'	2350

90° Corner pipe wrench

NEW



684D	Size	Working capacity	<i>l</i>		
Part no.	inch	mm	mm-inch	packing	g
684D13	1	0-42	340-13.4"	20/15.8/16.8/0.50'	790
684D17	1-1/2	0-60	440-17.0"	10/14.5/15.5/0.62'	1450
684D22	2	0-70	560-22.0"	10/23.5/24.5/0.96'	2350

Pipe torque wrench



647P	Torque	Jaw opening	<i>l</i>		
Part no.	Nm	mm	mm	packing	kg
647P210	40-210	48	590	8/18/19/2.1'	3.0
647P350	70-350	63	825	6/24/25/2.46'	3.7
647P500	100-500	63	920	4/18.8/19.8/2'	4.3

• Accuracy: ±6%

Pipe gripping pliers



6957240	<i>l</i>		
Part no.	mm	packing	g
6957240	240	40/14.5/15.5/1.2'	500



GENERAL

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" - 1/18"

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 1 mm 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"

10pc Tubing cutter and double flaring tools 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 item

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

Professional universal flaring tool



906T2



4/16.8/17.8/1.1'



4200g

- Tool works in two steps for thin walled steel, aluminum or copper pipes.
- For dimensions of 3/16" (4.75 mm) and 1/4" (6 mm)
- Fast manual flaring tool with minimal material wastage.



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.

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 mm, 8 mm, 10 mm

Breakline bending pliers



65303	 30/14/15/1'	 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)

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

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 7 cutting blades for fast, clean cutting.





65304

80/5.3/6.3/2'

54g

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



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

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



Multi-function inspection tool



617A

40/19.2/20.2/0.8'

480g

Contents:

- 1pc Aluminum interchangeable handle
- 1pc Inspection mirror
- 1pc 6-lbs Magnetic retriever
- 1pc 10" Flexible adapter
- 1pc 9" 135 degree bended adapter
- 1pc 8" Straight adapter
- 1pc UV light
- 1pc LED light



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



617L

48/17/18/2.6'

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")
- Oval glass mirror of dia. 39 mm
- Inspection light is operated with 3pc micro alkaline, LR44 batteries.

Infrared thermometer



9U0401



24/5.4/6.4/2.0'



- 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: $\pm 2.5\%$ or 3°C
- Distance-to-Spot: 10:1
- Power supply: 9V battery

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



68601



120/7.32/8.32/1.9'



61g

- 3 LEDS.



Limber magnetic LED light



68602



120/10.2/11.7/3.5'



85g

- 3 LEDS.



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 2250mAh 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 2200mAh
 - 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



GENERAL



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: 165 x 25 x 30 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.

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



30/6/7/0.66'



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



GENERAL



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

- 110x110x190 mm
- Capacity: 10 LBS (4.54kg)

Functions:

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



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 (1.6Kgw)
- 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 (0.7 Kgw)
- Overall length: 510 mm (20")

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.

Demagnetizer / Magnetizer



88601



120/16.6/17.6/1.3'



140g

- Size: 5 cm x 5 cm x 3 cm

3-Claw pick-up tool



88901

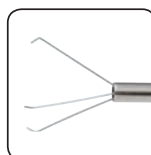


150/15.1/16.1/1.2'



100g

- Length: 560 mmL



Magnetic fender cover with 4 pockets

88801



17/16.7/17.7/4.0'



980g



- Size: 110cm x 56cm
- 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: 110cm x 56cm
- 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'



- Size: 80 x 60 cm
- 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: 108 x 39 cm
- 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: 140 x 70 cm

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 x 50 x 12 cm





9U0312



1/5.8/6.5/1.1'



7.5kg

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

Steel car seat



9U0313



1/6.0/6.7/1.08'



6kg

- Strong and stable frames.
- Plastic corner for protection

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" (490 mm to 890 mm)
- Dispenses approximately 350 c.c. per stroke.
- 2" and 1-1/2" NPT bung nuts are equipped.



Oil bucket pump



887P02

4/13.0/14.0/4.0'

3250g

- For transferring of transmission, differential and heavier oils.
- Fits 25-50 lb (5-gallon pail) original refinery and 12" I.D. (300 mm) 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.



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.



GENERAL





887		<i>l</i>		
Part no.	size	mm	packing	g
88701	14 o.z. / 400 c.c.	380	8/18.2/21.1/2.0'	2600
88701L	16 o.z. / 500 c.c.	380	8/19.6/22.7/2.0'	2775

- 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 lubrication by manual operation.

Lever type grease gun



88704 w/Metallic bant spout



88704H9 w/Flexible hose 9"

88704 / 88704H9			20/23.0/26.9/2.3'		1136g
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- 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. crtridge, pressure filler and bulk 400 c.c.

Hand grease gun (400c.c.)



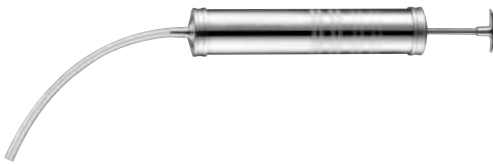
887400P

 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.

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



GENERAL

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

Jumbo pry bar

	687	<i>l</i>		
Part no.	mm-inch	packing	g	
687780	780-30.7"	20/20.0/21.0/0.80'	1085	
687910	910-36.0"	12/22.0/23.0/0.50'	1830	
687910A	910-36.0"	12/22.0/23.0/0.59'	1830	

Free long pry bar

68790/68755		<i>l</i>	<i>l</i>	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.



4pc Pry bar set

904U5			12/18/19/1.7'		1290g
	1pc	904U508	8" (200 mm)		
	1pc	904U512	12" (300 mm)		
	1pc	904U518	18" (450 mm)		
	1pc	904U524	24" (600 mm)		

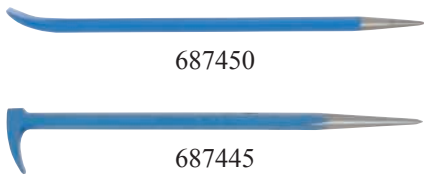




904U2		2/17.5/18.5/1.4'	8730g
	1pc	904U2-2470	24"x70°
	1pc	904U2-2490	24"x90°
	1pc	904U2-3600	36" straight
	1pc	904U2-3635	36"x35°

- 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

Pry bar



687	<i>l</i>		
Part no.	mm-inch	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

4pc Pry bar set



904U6		10/17.0/18.0/1.1'	1700g
	1pc	904U606	6" (150 mm)
	1pc	904U612	12" (300 mm)
	1pc	904U616	16" (400 mm)
	1pc	904U620	20" (500 mm)

Crowbar with crook beak



687400H	40/18.6/19.6/0.47'	465g
----------------	--------------------	------

- Bending tool
- Length: 400 mm (16")
- Bended head, hexagonal shank

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 Magentic QR 1/4"Hex-1/4"Hex 6" (150 mm) (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)



GENERAL

13pc Extra long combination wrench set



51313

4/13.4/14.4/1.17'

3360g

13pc

8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm

Long combination wrench



755...L		<i>l</i>		
Part no.	size	mm	packing	g
75506L	6	128	1000/20.0/21.0/0.61'	20
75507L	7	138	600/14.4/15.4/0.50'	24
75508L	8	148	400/12.8/13.8/0.70'	32
75509L	9	160	400/14.0/15.0/0.70'	35
75510L	10	167	400/16.0/17.0/0.70'	40
75511L	11	186	200/12.0/13.0/0.57'	60
75512L	12	196	200/16.0/17.0/0.59'	80
75513L	13	205	200/20.0/21.0/0.70'	100
75514L	14	223	200/24.0/25.0/0.62'	120
75515L	15	233	100/14.0/15.0/0.42'	140
75516L	16	243	150/24.0/25.0/0.67'	160
75517L	17	262	100/20.0/21.0/0.62'	200
75518L	18	272	100/22.0/23.0/0.62'	220
75519L	19	281	100/24.0/25.0/0.96'	240
75520L	20	301	50/14.0/15.0/0.63'	280
75521L	21	301	50/15.0/16.0/0.63'	300
75522L	22	319	50/16.0/17.0/0.82'	320
75523L	23	329	50/17.0/18.0/0.82'	340
75524L	24	339	40/18.8/19.8/0.77'	470
75525L	25	358	40/19.5/20.5/0.77'	488
75526L	26	358	40/21.0/22.0/0.77'	525
75527L	27	388	30/21.0/22.0/0.97'	700
75528L	28	388	30/21.5/22.5/0.97'	717
75529L	29	404	30/23.0/24.0/0.97'	767
75530L	30	404	30/24.6/25.6/0.97'	820
75531L	31	431	20/22.0/23.0/0.69'	1100
75532L	32	431	20/22.0/23.0/0.69'	1100
75533L	33	471	20/22.0/23.0/0.76'	1100
75534L	34	471	20/24.0/25.0/0.76'	1200
75535L	35	510	10/12.5/13.5/0.58'	1250
75536L	36	510	10/13.0/14.0/0.58'	1300



908G5 P.1-35
Engine timing tool set for VW/AUDI



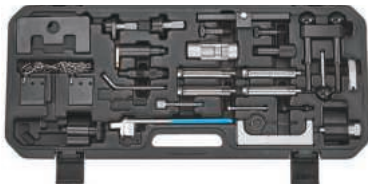
913G7 P.1-37
Engine timing tool set for AUDI



906G6 P.1-39
Engine timing tool set for VW



928G1 P.1-36
Engine timing tool set for VAG



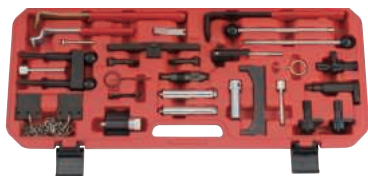
902G18 P.1-37
Camshaft clamp for AUDI



904G16 P.1-39
Engine timing tool set for VAG



929G1 P.1-36
Engine timing tool set for VAG



904G15 P.1-38
Engine timing tool set for VAG



914G5 P.1-40
Engine timing tool set for VW / AUDI



910G5 P.1-37
Engine timing tool set for AUDI



907G13 P.1-38
Engine timing tool set for VAG



908G13 P.1-40
Engine timing tool set for VW





908G18 P.1-41
Engine timing tool set for VAG



904G20 P.1-41
Engine timing tool set for VAG



906G10 P.1-42
Engine timing tool for VAG



910G9 P.1-42
Engine timing tool set for VAG 1.6 / 2.0TDI



909G10 P.1-43
Engine timing tool set for VAG



904G21 P.1-43
Timing chain elongation testing gauge for VAG



916G8 P.1-44
Engine timing tool set for VAG



904G17 P.1-44
3-In-1 Bosch VE fuel injection pump adapter timing tool for VW / AUDI



9G0129 P.1-44
Crankshaft seal installer tool for VAG



9G0129A P.1-45
Crankshaft seal remove / installing tool for VAG



902G13 P.1-45
Camshaft central valve tool for VW / AUDI



9G1210 P.1-45
Camshaft adjusting socket for AUDI





9G0618 P.1-46

Camshaft adapter socket for VAG



9G0811 P.1-35

Timing chain tensioning socket for VW / AUDI 4.0L



9G0812 P.1-35

Timing chain tensioning socket for VW / AUDI 3.0L



9G1216 P.1-46

Camshaft holding bracket for VAG



9G1209 P.1-47

Camshaft alignment plate for VW



902G6 P.1-47

Camshaft alignment tool for AUDI



9G1206 P.1-47

Camshaft locking tool for VAG



903G10 P.1-48

Camshaft locking tool for VAG



902G15 P.1-48

Engine timing tool set for VW / AUDI



902G16 P.1-48

Engine timing tool set for AUDI



902G17 P.1-49

Engine timing tool set for AUDI



902G19 P.1-49

Engine timing tool set for VAG





9G0807 P.1-49
Engine timing tool for VAG



9G1302 P.1-50
Crank locking pin for AUDI



9G1303 P.1-50
Crank locking pin for VAG



9G1305 P.1-51
Crank locking pin for VAG



9G1306 P.1-51
Crank locking pin for VAG



906G4 P.1-52
Timing tool set for VAG



9G1208 P.1-53
Crankshaft locking tool for VAG



9G1301 P.1-53
Crankshaft locking tool for VAG



902G2 P.1-53
Locking tool set for VAG



905G26 P.1-54
Vibration damper holding tool for VAG



9G0616 P.1-62
Counter hold tool for VAG



9G0607 P.1-63
Belt pulley holder for VAG





BRAND QUICK GUIDE



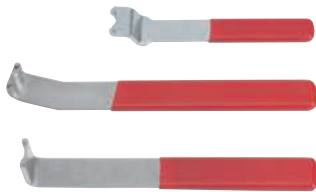
■ 9G0608 P.1-63

Belt pulley holder for VW



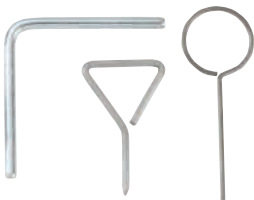
■ 903G15 P.1-74

Adjusting tensioner belt set for VAG



■ 903G8 P.1-74

Belt tension locking pins for VAG



■ 902G4 P.1-75

Tensioner adjusting tool for VAG



■ 9G0704 P.1-65

Reaction wrench



■ 9G0705 P.1-65

Reaction wrench (1/2" DR.)



■ 905G4 P.1-66

Camshaft drive belt pulley puller



■ 9G1221 P.1-66

Balancer shaft puller for VAG 1.8 / 2.0



■ 67402 P.1-67

VW / AUDI V-belt pulley remover



■ 34914010V P.1-126

1/2"DR. M10S Cylinder head bolt tool



■ 904T5 P.1-9

4pc VW, AUDI Ignition coils puller set



■ 9G3103 P.1-9

Ignition coil puller for VAG





9G0208 P.1-80
Hose clamp pliers
(for VW, AUDI 2.0)



62530 P.1-27
Hose clamp pliers (for VAG)



62532 P.1-82
Hose clamp removal tool



902G29 P.1-83
Intake manifold release tool
for VAG



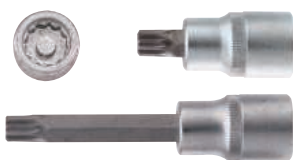
61930 P.1-145
Assembly tool for plastic oil
drain plug (VAG group)



904G22 P.1-146
Plastic oil drain plug driver
tool set



348...T P.1-145
1/2" DR. Drain nut socket bit
(M16H)



61925 P.1-147
Oil filter drain tool for VAG



906G12 P.1-149
Oil funnel set for VAG



912G6 P.1-108
VW, AUDI Diesel & Gas injection
remover tool (TDI & FSI)



9G0721 P.1-157
Fuel tank locking ring tool
for VW/AUDI



9G0726 P.1-159
Fuel filter cover mounting tool
for VW/AUDI/SKODA/SEAT





9G0131 P.1-159

Fuel filter cover mounting tool for VAG



9G0736 P.1-155

Fuel return line tool for VAG



9G0711 P.1-160

Fuel pump wrench



902G25 P.1-72

Clutch centering disc for VAG



61937 P.1-158

Diesel filter wrench for VW / VOLVO



9B0402 P.3-14

Calipers brake pad screw socket for PORSCHE & AUDI



9B0402A P.3-14

Caliper brake pad socket 15mm x 10pt.



9B0402B P.3-15

Caliper brake pad socket 20mm x 10pt.



907T6 P.3-41

Bush remover / installer for VW



921T1 P.3-41

21pc Compact wheel hub/ bearing kit, Ø 62mm, Ø 66mm, Ø 72mm



917T3 P.3-42

Wheel hub and wheel bearing extraction & installation set for VW-T5



905T4 P.3-41

5pc VW/AUDI Rear suspension tool





62821 P.3-62
Audi ball joint tool



9T1481 P.3-68
Strut nut socket for VW/AUDI



904T1 P.3-68
Drive nut set



914B1 P.3-12
Brake calliper guidance thread repair set



905T11 P.3-85
VW / AUDI 7-Speed DSG clutch installer and remover



909T9 P.3-85
VW / AUDI 7 Speed DSG clutch installer & remover



9G4601 P.3-86
7-Speed DSG mechatronic unit remover for VW / AUDI / SEAT



9T0207 P.3-86
DSG Transmission filter wrench for VAG-short version



9T0207L P.3-86
DSG Transmission filter wrench for VAG





905G1 P.1-21
Engine timing tool set
for BMW M52, M54, M56



907G6 P.1-21
Engine timing tool set
for BMW Mini



913G6 P.1-21
Engine timing tool set
for BMW M41, M51, M47, M57



905G17 P.1-22
Engine timing tool set
for BMW M47, M57



904G11 P.1-22
Engine timing tool set
for BMW N47, N47S, N57



908G9 P.1-22
Engine timing tool set
for BMW N42, N46, N46T



918G3 P.1-23
Engine timing tool set
for BMW N42, N46



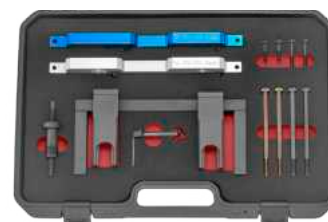
902G28 P.1-23
Engine timing tool set
for BMW N47, N47S



906G5 P.1-23
Engine timing tool set
for BMW N40, N45, N45T



912G5 P.1-24
Engine timing tool set
for BMW N51, N52, N53, N54



908G15 P.1-25
Engine timing tool set
for BMW N20, N26



905G23 P.1-25
Balance shaft & oil pump
alignment kit for BMW N20,N26





905G19 P.1-24
Engine timing tool set
for BMW N62, N73



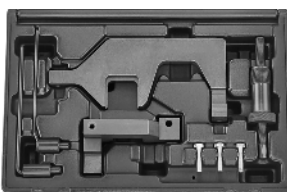
906G8 P.1-25
Engine timing tool set
for BMW N63, N74



912G12 P.1-24
Engine timing tool set
for BMW M60, M62 (VANOS)



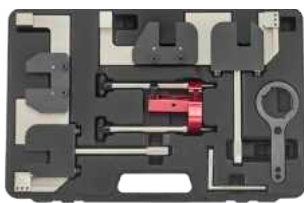
908G16 P.1-26
Engine timing tool set
for BMW N13, BMW MINI N18



907G20 P.1-26
Engine timing tool set
for BMW S54



905G28 P.1-26
Camshaft alignment tool
for BMW S63



912G15 P.1-27
Engine timing tool set
for BMW S65



911G10 P.1-27
Engine timing tool set
for BMW B38, B46, B48



911G11 P.1-28
Vacuum pump sealing cover
remover and installer set
for BMW N53, N54, N55



910G8 P.1-28
Engine timing tool set for
BMW MINI/CITROEN/PEUGEOT



905G12 P.1-29
Engine timing tool set for BMW
BMW MINI/CITROEN/PEUGEOT



9G1220 P.1-59
Crankshaft harmonic balancer
holder tool for BMW





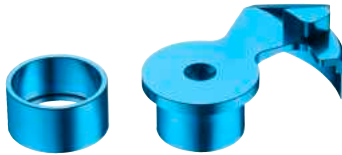
905G25 P.1-59

Crankshaft pulley holder
for BMW N47, N57



9G0813 P.1-77

V-Belt installation tool
for BMW



904G7 P.1-112

Diesel injection pump puller
set for BMW



9G1501 P.1-112

Diesel injection pump puller
for BMW



674 P.1-68

2pc M10 Alternator tools



9G0710 / 9G0710B P.1-87

Viscous fan spanner



9G0730 P.1-87

Radiator / Coolant cap wrench
for BMW



908G11 P.1-106

Diesel injectors remover
for BMW



9G0405 P.1-121

Valve pressure spring installer/
remover for BMW N20, N55



9G0406 P.1-122

Valve pressure spring installer/
remover for BMW N51, N52



903G26 P.1-122

Valve spring combination tool
for BMW B38, B48



54615012B P.1-126

1/2"DR. Star deep tool (E12)





■ **9G0717** P.1-150
Oil cooler line pliers for BMW



■ **9G0127** P.1-151
Fuel injector remover/installer tool for BMW N55



■ **9G0128** P.1-151
Fuel injector remover/installer tool for BMW N20, N55



■ **9G0130** P.1-151
Fuel injector remover/installer tool for BMW N63



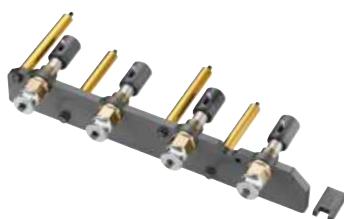
■ **6318716** P.1-141
Oil filter wrench for BMW



■ **904G22** P.1-146
Plastic oil drain plug driver tool set



■ **9G0132** P.1-152
Fuel injector remover/installer for BMW B36, B38, B48



■ **908G10** P.1-152
Fuel injector seal installer/remover for BMW



■ **908G19** P.1-153
Fuel injector and seal tool kit for BMW



■ **9G0725** P.1-156
Fuel tank lid remover/installer for BENZ (W211, W203) / BMW (E36, E46)



■ **9G0722** P.1-157
Fuel tank locking ring tool for BMW/MINI/PORSCHE



■ **9G0718** P.1-161
BMW line disconnect tool





9G0719 P.1-161
BMW line disconnect tool



905G15 P.1-29
Fly wheel holder tool for BMW



903T5 P.3-38
Swing arm sleeve tool set for BMW



910T2 P.3-38
Rear suspension bush remover / installer for BMW



909T10 P.3-37
Transmission rubber mount bush remover / installer for BMW X3, X5, X6



906T8 P.3-39
Differential rear bush removal/ installation tool kit for BMW



902T2 P.3-84
Camber adjustment tool for BMW rear axles



913T3 P.3-85
Transmission rubber mount bush installer & remover



907T7 P.3-38
Differential front bush removal/ installation tool kit for BMW



919T2 P.4-20
Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)





■ **904G18** P.1-30
Engine timing tool set
for BENZ M271



■ **9G1218** P.1-30
Engine timing tool set
for BENZ M111



■ **906G7** P.1-31
Engine timing tool set
for BENZ



■ **9G1215** P.1-31
BENZ flywheel locking tool



■ **915G6** P.1-32
Engine timing tool set
for BENZ M133, M270



■ **916G7** P.1-32
Engine timing tool set
for BENZ M133, M270, M274



■ **903G21** P.1-33
Engine timing tool set
for BENZ M651



■ **904G19** P.1-33
Engine timing tool set
for BENZ M156



■ **9G0810** P.1-34
Belt tensioner tool for BENZ



■ **912G13** P.1-34
Diesel engine timing chain
tool kit for MERCEDES BENZ /
CHRYSLER / JEEP



■ **922G7** P.1-34
Diesel engine timing chain
tool kit for MERCEDES BENZ /
CHRYSLER / JEEP



■ **674** P.1-68
2pc M10 Alternator tools





678 P.1-68
2pc T50 Alternator tools



907G3 P.1-64
7pc BENZ & BMW Fan service wrench set



9G1219 P.1-59
Crankshaft pulley holder tool for BENZ M272, M273



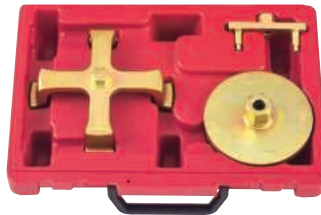
9G1803/9G1804 P.1-149
Transmission oil gauge



9G1805/9G1806 P.1-150
Oil gauge



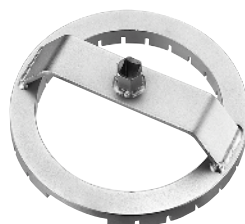
903U2 P.1-156
3pc Fuel tank cap wrench for BENZ



9G0725 P.1-156
Fuel tank lid remover/installer for BENZ (W211, W203)/ BMW (E36, E46)



9G0720 P.1-157
Fuel tank lid wrench for BENZ (W164, W166, W251)



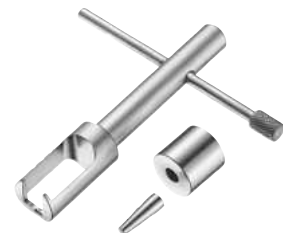
903G19 P.1-105
Diesel injector nozzle extractor set



903G17 P.1-107
Injector nozzle extractor with spindle



903G25 P.1-153
Injector nozzle tool set for BENZ



9G0121 P.1-110
33 Teeth socket diesel injection pump for Mercedes





9G0122 P.1-110
Diesel pre-chamber collar nut socket for Mercedes



909G5 P.1-108
Injector extractor with slide hammer for DB CDI-engines



61935 P.1-141
Oil filter wrench for BENZ/DODGE/JEEP



6318514 P.1-140
Oil filter wrench for MERCEDES-BENZ



62820 P.3-61
1/2" DR. BENZ (W163, W164) Pin wrench socket



902B1 P.3-35
2pc Wheel stud alignment guide tool set



902B2 P.3-35
2pc Wheel stud alignment guide tool set



908B3 P.3-35
8pc Wheel stud alignment guide tool set



9T0206 P.3-30
Wheel nut socket for Mercedes Benz



905T3 P.3-66
Spring compressor for MERCEDES



9T0307 P.3-36
BENZ Bush remover / installer



9T0304 P.3-69
BENZ W220 Shock absorber service tool set





9T0311 P.3-36

BENZ Axles wheel bearing extractor / installer



912T7 P.3-36

Rear sub-frame bush remover / installer for BENZ



921T2 P.3-37

Sub-frame bush remover / installer for BENZ



909T8 P.3-36

Differential bush remover / installer for BENZ



9T1401 P.3-69

BENZ (W203) Strut nut socket



9T1402 P.3-69

BENZ (W220) Strut nut socket



905T7 P.3-60

5pc 1/2"DR. Drive tooth socket for MERCEDES



905T10 P.3-61

Ball-joint installer/remover for BENZ (W220, W211, W230)



927T1 P.3-43

Professional wheel bearing tool set for BENZ



9T1407 P.4-2

BENZ Axle nut socket 95mm



9T1408 P.4-2

BENZ Rear axle nut socket 105-125 mm



9T1424 P.4-3

BENZ & MAN Clamp nut socket 56mm





9T1425 P.4-3

BENZ & MAN Clamp nut socket 60mm



9T1426 P.4-2

BENZ & MAN Rear axle nut socket 80-95 mm



9T1427 P.4-3

BENZ & MAN Rear axle nut socket 95-115 mm



6281842 P.4-4

3/4"DR. BENZ & MAN Pitman arm puller 42mm



46611030 P.4-1

3/4"DR. BENZ Star impact socket (E30)



61939 P.4-4

BENZ Truck filter wrench 46mm



9T1426 P.4-2

BENZ & MAN Rear axle nut socket 80-95 mm



9T1427 P.4-3

BENZ & MAN Rear axle nut socket 95-115 mm



9T1424 P.4-3

BENZ & MAN Clamp nut socket 56mm



919T2 P.4-20

Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)





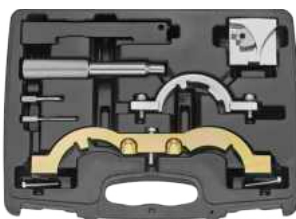
905G16 P.1-13
Engine timing tools set
for VAUXHALL / OPEL diesel
1.9 2.0 CDTI



920G2 P.1-27
Engine timing tool set
for VAUXHALL / OPEL



907G18 P.1-13
Engine timing tool set
for VAUXHALL / OPEL 1.0, 1.2,
1.4, 1.6



904G5 P.1-14
Engine timing tool set for
VAUXHALL / OPEL / SUZUKI /
FIAT 1.3 CDTI



908G12 P.1-15
Engine timing tool set for
RENAULT / NISSAN / OPEL
2.0 DCI / CDTI



906G9 P.1-70
Puller, Harmonic damper
pulley (CHRYSLER, GM)



9G0802 P.1-73
Belt tensioning adjuster



9G0803 P.1-73
Belt tensioning adjuster



88442 P.1-96
11pc Deluxe noid lite / IAC test
kit plus one fibre optic noid
lite extension



907G12 P.1-65
Power steering pump pulley
kit



9G0710B P.1-87
Viscous fan spanner



63303 P.1-160
Diesel injection priming tool



908T6 P.3-40

Rear suspension tool
for GM VECTRA



908T7 P.3-40

Rear axle bush installation /
removal tool set
for VAUXHALL / OPEL VECTRA



65014 P.3-13

1/2"DR. Pentagon socket
14mm



908G17 P.1-54

Engine timing tool set
for PORSCHE Boxster, 911



903G22 P.1-55

Engine timing tool set
for PORSCHE



9G0809 P.1-75

Pneumatic chain tensioner
for PORSCHE

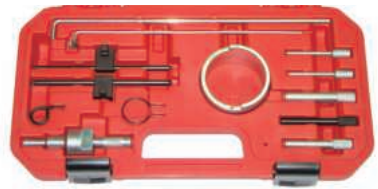




935G1 P.1-55
Engine timing tool set
for CITROEN / PEUGEOT



911G7 P.1-56
Engine timing tool set
for CITROEN / PEUGEOT



910G3 P.1-105
Diesel injector nozzle extractor
set (PSA HDI engines)



9G0123 P.1-111
Diesel fuel filter socket
(HDI engines)



9G0605 P.1-12
Flywheel holding tool



904G13 P.1-104
4pcs Injection nozzle socket



9G0727 P.1-158
Fuel filter wrench 108mm



61938 P.1-146
Plastic oil drain plug driver tool
for FORD/PEUGEOT/CITROEN



904G22 P.1-146
Plastic oil drain plug driver
tool set



65019 P.3-13
1/2"DR. Pentagon socket
19mm



920T2 P.3-43
Professional wheel bearing
tool set for PEUGEOT /
CITROEN / RENAULT



9T1482 P.3-62
Lower ball joint socket
for PEUGEOT / CITROEN



9T0319 P.3-47
Wheel bearing circlip pliers





9G0619 P.1-61
Camshaft pulley holder
for SUBARU



9G0620 P.1-61
Camshaft pulley holder
for SUBARU



9G0621 P.1-61
3 in 1 Camshaft pulley holder
for SUBARU



903G28 P.1-89
Vacuum-type cooling system
filler kit for Tesla



902T5 P3-10
Brake pressure bleeder
adapter set for TESLA





917G1

P.1-15

Engine timing tool set
for RENAULT



905G20

P.1-15

Engine timing tool set
for RENAULT



908G12

P.1-15

Engine timing tool set
for RENAULT / NISSAN / OPEL
2.0 DCI / CDTI



911G5

P.1-14

Engine timing tool set
for RENAULT / VAUXHALL /
OPEL / NISSAN



902G5

P.1-16

Engine timing locking tools
for RENAULT



903G5

P.1-16

Engine timing tool set
for RENAULT 1.5, 1.9 DCI



907G15

P.1-16

Engine timing tool set
for RENAULT 1.8 / 2.0 16V



9G0727

P.1-158

Fuel filter wrench 108mm



65019

P.3-13

1/2"DR. Pentagon socket
19mm



920T2

P.3-43

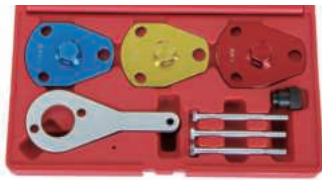
Professional wheel bearing
tool set for PEUGEOT /
CITROEN / RENAULT





■ **907G16** P.1-57

Engine timing tool set
for FIAT



■ **910G7** P.1-27

Engine timing tool set
for FIAT / ALFA ROMEO



■ **903G23** P.1-57

Engine timing tool set
for FIAT / ALFA ROMEO



■ **910G10** P.1-58

Engine timing tool set
for FIAT / ALFA ROMEO



■ **9G0123** P.1-111

Diesel fuel filter socket
(HDi engines)



■ **934G1** P.1-56

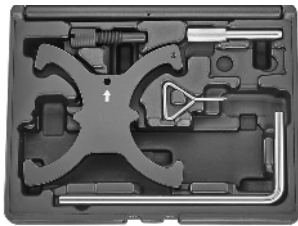
Engine timing tool set
for FIAT





905G8 P.1-17

Timing locking tools for FORD



922G2 P.1-17

Engine timing tool set
for FORD / MAZDA



911G6 P.1-17

Engine timing tool set
for FORD



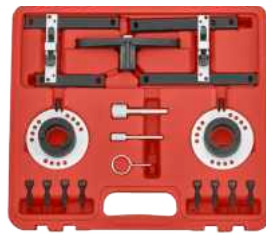
916G5 P.1-18

Engine timing tool set
for FORD



916G6 P.1-18

Engine timing tool set
for FORD 1.0 Ecoboost



905G22 P.1-19

Engine timing tool set
for FORD 2.0 Ecoboost



907G21 P.1-19

Engine timing tool set
for FORD 1.6 Ecoboost



903G11 P.1-20

Engine timing tool set
for FORD



904G6 P.1-20

Engine timing tool set
for FORD / MAZDA / VOLVO



907G12 P.1-65

Power steering pump pulley
kit



9G0814 P.1-77

FORD / VOLVO Stretchy belt
fitting kit



9G0729 P.1-83

Heater hose disconnect tool
for FORD





9G0710 / 9G0710B P.1-87

Viscous fan spanner



9G0731 P.1-87

Radiator / Coolant cap wrench
for FORD / LAND ROVER /
MAZDA / VOLVO



63302 P.1-160

Fuel transfer tool



9G0123 P.1-111

Diesel fuel filter socket
(HDi engines)



9G0123A P.1-111

Diesel fuel filter socket
for FORD



61927 P.1-138

Oil filter wrench -27mm



904G22 P.1-146

Plastic oil drain plug driver
tool set



61938 P.1-146

Plastic oil drain plug driver tool
for FORD/PEUGEOT/CITROEN



905T5 P.3-39

Sub frame bush remover
(FORD MONDEO)



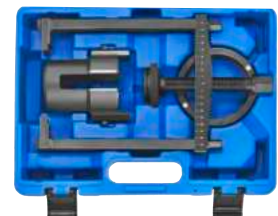
904T10 P.3-39

Rear trailing arm bushing
remover / installer
for FORD / MAZDA / VOLVO



903T8 P.3-40

Rear trailing arm bush
remover / installer
for FORD / VOLVO



913T2 P.3-42

Wheel hub and wheel bearing
extraction & installation set
for FORD / VOLVO / MAZDA





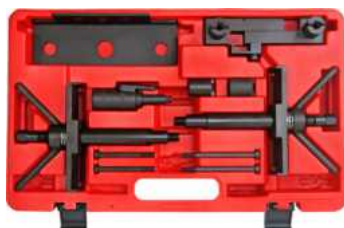
907G21 P.1-19
Engine timing tool set
for FORD 1.6 Ecoboost



904G6 P.1-20
Engine timing tool set
for FORD / MAZDA / VOLVO



912G10 P.1-58
Engine timing tool for VOLVO



9G0814 P.1-77
FORD / VOLVO Stretchy belt
fitting kit



9G0731 P.1-87
Radiator / Coolant cap wrench
for FORD / LAND ROVER /
MAZDA / VOLVO



9G0123 P.1-111
Diesel fuel filter socket
(HDI engines)



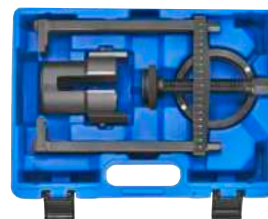
61937 P.1-158
Diesel filter wrench
for VW / VOLVO



904T10 P.3-39
Rear trailing arm bushing
remover / installer
for FORD / MAZDA / VOLVO



903T8 P.3-40
Rear trailing arm bush
remover / installer
for FORD / VOLVO



913T2 P.3-42
Wheel hub and wheel bearing
extraction & installation set
for FORD / VOLVO / MAZDA





9K0102 P4-14
1/2"DR. VOLVO Camshaft
rotator tool



9K0103 P4-14
VOLVO Flywheel turning tool



9T1440 P4-15
VOLVO / SCANIA Wheel shaft
cover socket 115 mm



9T1441 P4-15
VOLVO Truck axle nut socket
105mm



9T1442 P4-15
VOLVO Truck axle nut socket
95mm



9T1443 P4-16
VOLVO King pin upper cover
socket 80mm



9T1445 P4-16
VOLVO Rear wheel shock
absorber spring washer
removal socket



9T1446 P4-16
VOLVO Front wheel shock
absorber spring washer
removal socket



9T1447 P4-17
VOLVO Truck shock absorber
upper base nut extractor /
installer



9T1448 P4-17
VOLVO Truck front / rear brake
shoe lining inside caliper



9T1449 P4-17
VOLVO Truck fan bearing
base socket



62115 P4-18
VOLVO (FM12) valve spring
compressor tool





BRAND QUICK GUIDE



904T9 P4-18
VOLVO (FM12) truck injector sleeve remover / installer set



9G0735 P4-18
VOLVO Radiator quick adaptor



919T2 P4-20
Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)



9G0114 P4-28
Diesel injector puller



9T1405 P4-1
IVECO Axle nut socket 110mm



9T1406 P4-1
IVECO Axle nut socket 98mm



919T2 P4-20
Truck spring pin metal bush remove/install set (17 tons hydraulic cylinder)



9T1422 P4-10
SCANIA Front wheel nut socket 80mm



9T1423 P4-10
SCANIA Front wheel nut socket 100mm



9T1421 P4-11
SCANIA Transmission clutch front main shaft socket



9T1436 P4-11
3/4"DR. SCANIA Front - wheel shock absorber spring socket





9T1437 P4-11
3/4"DR. SCANIA Rear axles
damper rod socket



9T1438 P4-12
3/4"DR. SCANIA Rear wheel
shock absorber spring socket



6281858 P4-12
3/4"DR. SCANIA Pitman arm
puller 58mm



466110 P4-12
3/4"DR. SCANIA Star impact
socket
Size: E28; E32



9K0101 P4-13
1/2"DR. SCANIA Truck
camshaft rotator tool



9G0733 P4-13
SCANIA Radiator quick
adapter



9T1439 P4-13
Caliper adjuster socket 24mm



9T1440 P4-15
VOLVO / SCANIA Wheel shaft
cover socket 115 mm



919T2 P.4-20
Truck spring pin metal bush
remove/install set
(17 tons hydraulic cylinder)



9G0114 P4-28
Diesel injector puller





9T1425 P4-3

BENZ & MAN Clamp nut socket 60mm



6281842 P4-4

3/4"DR. BENZ & MAN Pitman arm puller 42mm



9T1410 P4-4

MAN TGA Drive axle nut socket 133-145 mm



9T1409 P4-5

MAN TGA Front axle nut socket 133-145 mm



9T1411 P4-5

MAN TGA Front axle nut socket 101-110 mm



9T1412 P4-5

MAN Truck transmission socket 53.5mm



9T1429 P4-6

MAN Front wheel hub extractor tool 115mm



6281867 P4-6

3/4"DR. MAN Pitman arm puller 67mm



466110 P4-6

3/4"DR. MAN Star impact socket for HGV Cylinder head bolt
Size: E18; E20; E22; E24



793A6 P4-25

3/4"DR. Slugging wrench for brake caliper screw
Size: E18; E20; E24



919T2 P4-20

Truck spring pin metal bush remove/install set
(17 tons hydraulic cylinder)





9T1417 P4-7
BPW Rear hubcap nut socket
111mm



9T1420 P4-7
BPW Rear hubcap nut socket
95mm



9T1416 P4-7
BPW Rear hubcap nut socket
120mm



9T1418 P4-8
BPW Rear hubcap nut socket
109mm



9T1419 P4-8
BPW Axle nut socket 65mm



9T1430 P4-8
BPW Axle extractor 135mm



9T1431 P4-9
BPW Axle extractor 136mm



9T1432 P4-9
BPW Axle extractor 155mm



9T1433 P4-9
BPW Axle extractor 125mm



9T1435 P4-10
3/4"DR. Wheel capsule and
axle nut socket



919T2 P4-20
Truck spring pin metal bush
remove/install set
(17 tons hydraulic cylinder)

