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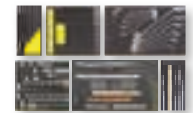
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STAHLWILLE special automotive tools



Together with leading automotive manufacturers, STAHLWILLE develops special-purpose tools and brand-specific sets of tools. This continuous development and enhancement process covering tools for production and workshops ensures that the tools we make keep pace with the latest developments in the industry.

1

Tidy tool management: STAHLWILLE tool sets for car repairs

Carefully selected suites of tools for Tool Trolleys and Tool Boxes ensure optimised workflows. Whether it is in the garage, in production or in the pits, many mechanics welcome the benefits afforded by model and marque specific tools to guarantee safe, timesaving work.

2

Problem solver: STAHLWILLE special-purpose car pliers

Often enough, corroded or jammed parts in hard-to-reach places slow down repair and servicing jobs in the engine space. With diesels, this includes the heater plug sockets. STAHLWILLE heater plug socket pliers make it that much easier to remove and refit these plug sockets, especially when the engine is still hot.

3

Better safe than sorry: STAHLWILLE sockets

It would be hard to imagine garage and production environments without compressed air tools. Hardly surprising, then, that STAHLWILLE offer such a wide range of tried-and-tested, job-specific sockets, e. g. the wheel-nut socket with the closely-fitting plastic sleeve. This prevents damage to wheel bolts, wheel nuts and the bolt holes especially on alloy wheels.

4

The specialists: STAHLWILLE KABELEX®

Efficiency and economy in the workplace – at a time when it pays to be competitive, removing cables on vehicles safely and quickly gives you that advantage. This is why STAHLWILLE offers over 40 different cable removing tools for cars. They are available individually, in carefully selected sets or as special sets for specific vehicles. The fine but highly resistant blades are made of chrome vanadium and special spring steel..

5

Unbreakable: Special tools for car glass

The professionals really appreciate STAHLWILLE products for quickly and accurately removing and fitting car glass. Twin suction lifters and a three-component glass removal set ensure that windscreens and other car glass are easily and safely removed, fitted and transported.



6

A question of torque: Friction gauger

Setting steering systems accurately is a critical job – and adhering to torque settings and coefficients of friction is a crucial part of it. This is what STAHLWILLE created the easily-operated Friction gauge No 73Nm/15 with a range of 2–15 N·m.

1



2



3

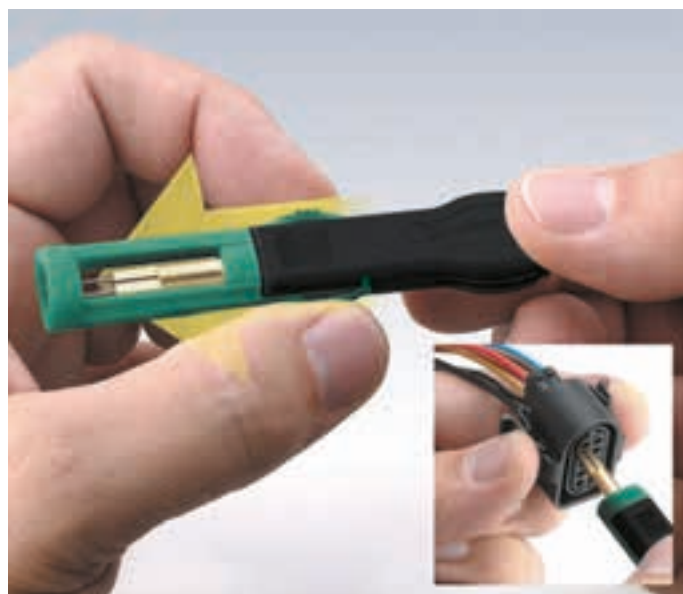


4



5





STAHLWILLE KABELLEX® Protect

For workshops and cable configuration
(KABELLEX® table see page 322)

- Bicoloured handle:
 - with locking blade cover, to protect the fine blade and guard against injury.
 - easier to handle for fine and intricate work on miniature connectors.
- Releases cable connectors quickly and easily without cutting them off – saves time and money.
- Also available in carefully selected sets.
- Special sets for vehicle makes: BMW, Mercedes-Benz, Opel, VW/Audi/Seat/Skoda/Porsche, MAN/Volvo and Renault/PSA
- Over 40 different cable extractors available.
- Blades made of extremely tough and durable chrome vanadium and special spring steel.

1501-1506 Ejection tools KABELLEX®

for round snap-in receptacles, including dismantling sleeve.



Code	No	for contact sizes Ø mm	Δ g	g	box
96 74 62 30	1501 + 1511 (e.g. BMW, Mercedes-Benz, Fiat, MAN, Opel, Porsche, Seat, Skoda, VW/Audi)	1.5	45	1	
96 74 62 31	1502 + 1512 (e.g. BMW, Mercedes-Benz, Fiat, MAN, Opel, Porsche, Seat, Skoda, VW/Audi)	3.5	59	1	
96 74 62 32	1503 + 1513 for ABS (lorries) please order corresponding assembly sleeve No 1523 (e.g. Mercedes-Benz, MAN, Scania) separately	4.0	79	1	
96 74 62 33	1504 + 1514 (e.g. BMW, Mercedes-Benz, Opel)	2.5	60	1	
96 74 62 34	1505 + 1515 (e.g. Ford, Opel, PSA, Renault)	2.3	46	1	
96 74 62 35	1506 + 1516 (e.g. Mercedes-Benz trucks, MAN, Scania)	4.0	72	1	

1511-1518 Dismantling sleeves KABELLEX®



Code	No	for contact sizes Ø mm	L mm	inside Ø mm	outside Ø mm	Δ g	g	box
78 60 00 01	1511 for No 1501	1.5	30	2.9	3.3	1	10	
78 60 00 02	1512 for No 1502	3.5	30	4.4	5.0	1	10	
78 60 00 03	1513 for No 1503	4.0	45	6.0	6.5	1	10	
78 60 00 04	1514 for No 1504	2.5	30	4.0	4.4	1	10	
78 60 00 05	1515 for No 1505	2.3	35	3.0	3.3	1	10	
78 60 00 06	1516 for No 1506 (for 4.0 mm MOLEX-contacts)	4.0	35	5.6	6.0	1	10	
78 60 00 16	1516-A for No 1506 (for 4.0 mm AMP-contacts)	4.0	30	5.4	5.8	1	10	
78 60 00 07	1517 for No 1507	1.5	26	2.3	2.8	1	10	
78 60 00 18	1518 for No 1508 (3 x 120° geschlitzt)	1.5	32	2.7	3.5	1	5	

1523 Assembly sleeve KABELLEX® ABS

for No 1503



Code	for contact sizes Ø mm	L mm	inside Ø mm	outside Ø mm	Δ g	g	box
78 61 00 01	4.0	50	4.0	6.5	5	3	

1551/1552 Cable extractor tools KABELLEX®

for flat snap-in receptacles e.g. BMW, Ford, Opel, Porsche, Seat, Skoda, VW/Audi.



Code	No	for contact sizes □ mm	Δ g	g	box
74 62 00 01	1551	2.8	19	1	
74 64 00 02	1552	5.8	19	1	

1553-1555 Cable extractor tools KABELLEX®

for flat plug-in sockets locked in terminals with single release channel.



Code	No	for contact sizes □ mm	Δ g	g	box
74 62 00 03	1553 (e.g. BMW, Mercedes-Benz, Ford, MAN, Opel, Porsche, PSA, Renault, Seat, Skoda, VW/Audi)	2.8; 5.8	16	1	
74 62 00 04	1554 (e.g. BMW, PSA, Renault)	2.8	16	1	
74 62 00 05	1555 (e.g. BMW)	5.8	16	1	

1556 Cable extractor tool KABELLEX®

for flat plug-in sockets, Micro Timer II, III contacts, e.g. Mercedes-Benz, Opel, Porsche, PSA, Renault, Saab, Seat, Skoda, VW/Audi.



Code	for contact sizes □ mm	Δ g	g	box
74 62 00 06	1.6	17	1	

1556-1 Cable extractor tool KABELEX®

for flat plug-in sockets with asymmetrically positioned latches in terminals with two release channels, Seat, Skoda, VW/Audi.



Code	for contact sizes □ mm	 g	
7461 2006	0.64	19	1

1557/1558 Cable extractor tools KABELEX®

for flat plug-in sockets with asymmetrically positioned latches in terminals with two release channels, Seat, Skoda, VW/Audi.



Code	No	for contact sizes □ mm	 g	
7462 0007	1557	2.8	21	1
7462 0008	1558	4.8	22	1

1559 Cable extractor tool KABELEX®

for flat plug-in sockets, Maxi Power Timer contacts, Mercedes-Benz, VW/Audi.



Code	for contact sizes □ mm	 g	
7462 0009	9.5	39	1

1562 Cable extractor tool KABELEX®

for flat plug-in sockets, Pit-Pod contacts, all vehicle makes.



Code	for contact sizes □ mm	 g	
7462 0012	various	25	1

1574 Cable extractor tool KABELEX®

for flat plug-in sockets, Micro-Timer I contacts and ABS plug-in housing, Fiat, Ford, Mazda, Opel, PSA, Renault, Saab, VW/Audi.



Code	for contact sizes □ mm	 g	
7462 0024	1.6	15	1

1575 Cable extractor tool KABELEX®

for round soldered pin contacts, Ford, for flat plug-in sockets (retention by locking device on terminal), Fiat, Mazda, Toyota.



Code	for contact sizes ∅ mm	for contact sizes □ mm	 g	
7462 0025	1.5	2.8; 5.8	15	1

1576 Cable extractor tool KABELEX®

for flat plug-in sockets with single latch (flat plug without box), e.g. MAN.



Code	for contact sizes □ mm	 g	
7462 0026	2.8	18	1

1577 Cable extractor tool KABELEX®

for flat plug-in sockets, VKR Box contacts, e.g. MAN.



Code	 g	
7462 0027	49	1

1577-1 Cable extractor tool KABELEX®

for flat plug-in sockets, MKR/MKS contacts, e.g. MAN/Volvo.



Code	for contact sizes □ mm	 g	
7461 5027	1.5	23	1

1578K-1 Cable extractor tool KABELEX®

for flat plug-in sockets, SLK contacts (primary), e.g. BMW, Mercedes-Benz.



Code	for contact sizes □ mm	 g	
7461 0028	2.8	35	1

1578K-2 Cable extractor tool KABELEX®

for flat plug-in sockets, SLK contacts 97 (primary, secondary), e.g. BMW, Mercedes-Benz.



Code	for contact sizes □ mm	 g	
7461 2028	2.8	35	1

1584/1585 Cable extractor tool KABELEX®

for round soldered contacts, Mercedes-Benz.



Code	No	for contact sizes ∅ mm	 g	
7462 0034	1584	4.0	13	1
7462 0035	1585	2.5	11	1

1587 Cable extractor tool KABELEX®

for flat plug-in sockets,
E-95 contacts, Mercedes-Benz.



Code	for contact sizes □ mm	⚠ g	📦
74620037	1.65	23	1

1589K Cable extractor tool KABELEX®

for flat plug-in sockets,
LSK contacts,
e.g. BMW, Mercedes-Benz.



Code	for contact sizes □ mm	⚠ g	📦
74610039	8	45	1

1591 Cable extractor tool KABELEX®

for flat plug-in sockets in terminals
with two release channels,
Junior Power Timer contacts,
Standard Power Timer contacts,
e.g. BMW, Mercedes-Benz, Fiat, Ford,
MAN, Opel, PSA, Renault, Saab, VW/Audi.



Code	for contact sizes □ mm	⚠ g	📦
74620041	2.8; 5.8	25	1

1700 MAN/Volvo Tool set KABELEX®

14 pieces, for MAN/Volvo,
Mercedes-Benz trucks.

Content:

- No 1501, 1502, 1503, 1506:
ejection tools for contact sizes
Ø 1.5; 3.5; 4.0 (ABS) and 4.0 mm
- No 1511, 1512, 1513, 1516:
dismantling sleeves for contact
sizes Ø 1.5; 3.5; 4.0 (ABS) and
4.0 mm

No 1523: assembly sleeve (ABS)

No 1553, 1591: cable extractor tools for contact sizes
□ 2.8 and 5.8 mm

No 1576: cable extractor tool for flat plugs without box □ 2.8 mm

No 1577: cable extractor tool for VKR Box contacts □

No 1577-1: cable extractor tools for MKR/MKS contacts □ 1.5 mm



Code	⚠ g	📦
96747208	1773	1

1560 Tool set KABELEX®

10 pieces, for round plug
connections (incl. ABS).

Content:

1 each No 1501: ejection tool for
contact sizes Ø 1.5 mm

1 each No 1502: ejection tool for
contact sizes Ø 3.5 mm

1 each No 1503: ejection tool for
contact sizes Ø 4.0 mm
assembly or dismantling sleeve
(ABS)

2 each No 1511: dismantling sleeves for contact sizes Ø 1.5 mm
(1 each mounted)

2 each No 1512: dismantling sleeves for contact sizes Ø 3.5 mm
(1 each mounted)

2 each No 1513: dismantling sleeves for contact sizes Ø 4.0 mm
(1 each mounted)

1 each No 1523: assembly sleeve (ABS)



Code	⚠ g	📦
96747201	733	1

1570/2 Universal set KABELEX®

12 pieces.

Content:

No 1501, 1502, 1505: ejection tools
for contact sizes
Ø 1.5; 3.5; 2.3 mm

No 1511, 1512, 1515: dismantling
sleeves for contact sizes
Ø 1.5; 3.5; 2.3 mm

No 1553: cable extractor tool for
plugs with one release channel
□ 2.8 and 5.8 mm

No 1556: cable extractor tool for Micro-Timer II, III contacts
□ 1.6 mm

No 1559: cable extractor tool for Maxi-Power Timer contacts
□ 9.5 mm

No 1562: cable extractor tool for Pit-Pod contacts

No 1574: cable extractor tool for Micro-Timer I contacts and ABS plug-in
housing □ 1.6 mm

No 1591: cable extractor tool for plugs with two release channels
□ 2.8 and 5.8 mm



Code	⚠ g	📦
96747304	962	1

Car body repair tools and pullers

10775 Dinging hammer



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 02	30/40	300	155	516	2

10776 Special planishing hammer

large extra thin faces,
square face chequered.



Code	Ø mm	□ mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 10	46	40	320	115	521	2

10780 Planishing hammer

short.



Code	Ø mm	□ mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 03	32	25	300	100	346	2

10785 Planishing hammer

short, round face chequered.



Code	Ø mm	□ mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 04	40	35	300	96	484	2

10790 Pecking hammer

with round face and ball pein.



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 05	18/41	300	158	480	2

10795 Pecking hammer

with round face and
acorn shaped pein.



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 06	20/41	300	160	460	2

10800 Pecking hammer

short, round flat face
and pointed pein.



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 07	35	300	135	360	2

10805 Pecking hammer

round flat face,
oblong, thin pein,
approx. 1 mm thick.



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 08	40	300	160	450	2

10806 Pecking hammer

extra large thin face and pein.



Code	Ø mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 11	40	300	135	382	2

10811 Planishing and grooving hammer



Code	Ø mm	□ mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 12	30	36 x 10	320	160	531	2

10812 Planishing and grooving hammer



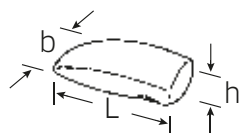
Code	Ø mm	□ mm	L ₁ mm	L ₂ mm	Δ g	
70 13 00 13	30	25 x 5	300	115	350	2

10835 Wedge dolly



Code	L mm	b mm	h mm	△△ g	
70 21 00 02	130	55	32	958	1

10841 Thin dolly



Code	L mm	b mm	h mm	△△ g	
70 21 00 05	107	66	28	984	1

10842 Diabolo dolly



Code	∅ mm	h mm	△△ g	
70 21 00 06	57	60	658	1

10845 Toe dolly



Code	L mm	b mm	h mm	△△ g	
70 21 00 08	120	55	22	770	1

10855 Universal anvil dolly



Code	L mm	b mm	h mm	△△ g	
70 21 00 10	70/60	50/45	58	1200	1

10861 Toe dolly

chequered surface.



Code	L mm	b mm	h mm	△△ g	
70 21 00 14	120	55	30	1033	1

10865 Heel dolly



Code	L mm	b mm	h mm	△△ g	
70 21 00 12	80	60	35	1070	1



Made in
Germany

10880 Bumping spoon



Code	L ₁ mm	L ₂ mm	Δ g	
70 22 0001	460	200	1900	1

L₁ = length overall
L₂ = working length

10885 Bumping spoon



Code	L mm	Δ g	
70 22 0002	500	2210	1

10890 Body spoon



Code	L ₁ mm	L ₂ mm	Δ g	
70 22 0003	270	130	520	1

10895 Body spoon



Code	L ₁ mm	L ₂ mm	Δ g	
70 22 0004	390	200	1035	1

L₁ = length overall
L₂ = working length

11005 Pry bar

head and point polished.



Code	L mm	Ø mm	Δ g	
72 09 0000	400	14	500	6

11006 Lever bar

special steel, bright nickel-plated.



Code	L mm	B mm	Δ g	
72 09 0002	400	14	500	6

11007 Lever bar

special steel, bright nickel-plated.



Code	L mm	B mm	Δ g	
72 09 0003	400	17	643	6

10905 Body file holder

with coarse blade.



Code	L mm	b mm	h mm	Δ g	
72 16 0000	365	35	110	760	2

L = Length, b = Width, h = Height

10923 Body file holder

made of beechwood,
for flat blades.



Code	L mm	Δ g	
72 20 0002	530	300	1

10906-10916 Spare blades for No 10905 and No 10923



Code	No		teeth per inch	L mm	Δ g	
79 06 0001	10906	fine, radial cut	15	350	321	10
79 06 0002	10907	medium, radial cut	12	350	286	10
79 06 0003	10908	coarse, radial cut	9	350	279	10
79 06 0012	10915	medium, angled cut	12	350	282	10
79 06 0013	10916	coarse, angled cut	9	350	252	10

10922 Body file holder

wooden,
for half round radius file blades.



Code	L mm	Δ g	
72 20 0001	530	260	1

10921 File blades for No 10922



Code	No		teeth per inch	L mm	Δ g	
79 06 0004		coarse, without swarf breaker, half round, radial cut	9	350	216	5

Special automotive tools

12752 Tin snips

lever action, spring-assisted for self-opening action.
Heavy duty cutting:
sheet steel up to 1.8 mm
or stainless steel sheet up to 1.2 mm.



Code	shape	L mm	L "	△△ g	
75 23 00 01	L 1)	260	10 1/2	532	1
75 23 00 02	R 2)	260	10 1/2	532	1

1) left hand cutting 2) right hand cutting

12753 Tin snips

lever action, spring-assisted for self-opening action.
Heavy duty cutting:
sheet steel sheet up to 1.8 mm
or stainless steel sheet up to 1.2 mm.



Code	shape	L mm	L "	△△ g	
75 24 00 01	L 1)	260	10 1/2	473	1
75 24 00 02	R 2)	260	10 1/2	473	1

1) left hand cutting 2) right hand cutting

12727 Spot weld milling cutter

HSSE steel, for spot-weld removal on car body or sheet metal construction.
Replaceable milling cutter size 10 mm.
Cutting depth adjustment by set screw, avoids distortion damage to sheet metal.



Code	L mm	△△ g	
72 26 00 01	72	19	5

12728 Replacement milling cutter



Code	L mm	△△ g	
79 26 00 01	13	4	10

12729/12730 Spot weld drills

for clean, burr-free removal of spot-weld. Self-cutting centre point avoids running off spot weld. Can be reground.



Code	No	∅ mm	△△ g	
72 27 00 07	12729	7	18	5
72 27 00 08	12730	8	24	5

Tools for vehicle doors

12770 Lever bar

powder coated for improved slide effect, for removal of doors trims in cars.



Code	L mm	△△ g	
74 59 31 01	260	150	5

12770/2 Lever bar

for levering off fragile caps, decorative trim (strips and rings), switches, rubber or fabric trim without damaging them.
Finely honed, rounded edges ensure the vehicle paintwork and surrounding materials are not damaged or scratched.



Code	L mm	△△ g	
74 59 31 02	185	20	1

12770/3 Plastic lever bar

for removing trim and rubbing strips of all kinds on bodywork and around windcreens, rear and side windows.
The broad area of contact prevents damage such as scratching of painted surfaces, deformation of strips and damage of glass.



Code	L mm	△△ g	
74 59 00 03	300	209	1



Tools for fitting/removing vehicle glass

10352 Two double suction lifters

Suction cap dia. 120 mm, mechanical action with safety lock. Special ABS-plastic, oil and acid resistant. With belt slots in the handles. Carrying capacity 60 kg.



Code	 g	
74 28 00 01	1405	1

10351/1 Draw handle

for drawing cutting wire through adhesive seal.



Code	 g	
74 27 00 01	90	1



10352/1 Double suction lifter

Suction cap dia. 120 mm, mechanical action with safety lock. Special ABS-plastic, oil and acid resistant. With belt slots in the handles. Carrying capacity 30 kg.



Code	 g	
74 28 00 05	695	1



SD10351N Spare cutting wire

special alloy steel 0.6 x 0.6 mm. Easy wire removal without the rest unrolling.



Code	L m	 g	
79 27 00 11	50	170	1

10351N Windscreen removal set VERITRAC

as 10350N, but without double suction lifters.



Code	 g	
96 74 27 11	458	1

10350N Windscreen replacement set VERITRAC

1 guide handle
1 draw handle
1 coil cutting wire (50 m)
2 double suction lifters



Code	 g	
98 74 27 11	1760	1



Special automotive tools

10351/2 Guide handle

for fixing and clamping cutting wire inside vehicle.



Code	g	g	g
74 27 00 02	196	1	



10351/3 Guide handle

for fixing and clamping cutting wire inside vehicle.
Extra long extension makes it especially suited to recessed glass.



Code	g	g	g
74 27 00 06	190	1	

1474/2 Wire insert awl

for feeding or pulling cutting wire through hardened adhesive.



Code	g	g	g
78 03 31 02	69	2	

12718 Flat scraper

for removing residues of sealant and adhesive.



Code	L mm	g	g
72 03 31 01	265	160	5

10356 Scraper

for removing residues of adhesive and stickers from vehicle glass.
Blade 40 mm wide, 0.3 mm thick, interchangeable with cover.



Code	Length mm	Width mm	g	g
74 27 00 05	165	40	90	1

10356R Spare blades

10 pieces



Code	g	g	g
79 27 00 15	45	1	

12749 Scraper with reversible tungsten steel blade

for removing residues of adhesive and stickers from vehicle glass.
Can also be used for scraping metal and seals.



Code	L mm	g	g
72 31 31 01	460	582	1

12749R Spare blade

for scraper No 12749.

Code	g	g	g
79 31 00 01	19	1	

10354 Tension strap with ratchet

for clamping and fixing freshly fitted vehicle glass, synthetic webbing.



Code	Width mm	Length mm	lifting power daN	g	g
74 27 00 03	25	4500	800	375	1

10355 Wire insert probe

for threading cutting wire through hardened adhesive, 2.5 mm steel tubing with brass handle.



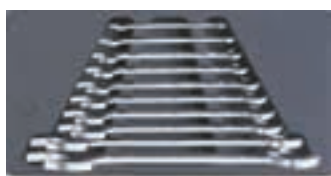
Code	g	g	g
74 27 00 04	91	1	

Workshop sets

806/10 Tool set

99 Tools, in plastic inlays (modular system see page 42-52), 9x1/3 and 1x3/3 inlays for 4 drawers (No 98VA for 2 drawers), suitable for Workbench No WB620, Tool trolleys No 90, 95, 95VA, 98VA; Magazine case No 920 and Wheely box No 922N.

Code	kg
98 83 00 01	13,35



96 83 81 26



96 83 81 27



96 83 81 28



96 83 81 10



96 83 81 12



96 83 81 13



96 83 82 37



96 83 81 21



96 83 81 23



96 83 81 25

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm
	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
	No 40	1/4"  sizes 5,5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 400	1/4"  150 mm
	No 404	1/4"  116 mm
	No 405/2	1/4"   54 mm
	No 405/6	1/4"   150 mm
	No 407	1/4"   38 mm
	No 412	1/4"  

	No 415	1/4" 
	No 10760CV	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm
	No 52	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	No 506	1/2"  300 mm
	No 509/2	1/2"   52 mm
	No 509/5	1/2"   130 mm
	No 509/10	1/2"   255 mm
	No 510	1/2"   71 mm
	No 512	1/2" 
	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 3 (1.0 x 5.5 x 125 mm) size 4 (1.2 x 6.5 x 150 mm) size 5 (1.6 x 8.0 x 175 mm)
	No 4630	sizes 1; 2; 3
	No 65 01 5 180	
	No 65 29 5 200	
	No 65 43 4 002	
	No 65 45 4 002	
	No 65 51 6 240	
	No 65 64 2 250	
	No 66 02 5 160	
	No 102	175 mm
	No 108	150 x 6; 175 x 6 mm
	No 109	size 6; 100 x 3.4 mm
	No 10956	Ø 35 mm
	No 10960	500 g



806/10 Tool Set,
suitable for example for Trolley 90 and 95.

Special automotive tools

806/9 TCS

TCS tool set



98 Tools, in TCS inlays (Tool Control System see page 53-71), 7x1/3, 1x2/3 and 1x3/3 inlays for 4 drawers (No 98VA for 2 drawers), suitable for Workbench No WB620, Tool trolleys No 90, 95, 95VA, 98VA, Magazine case No 920 and Wheely box No 922N.

Code	kg
96 83 00 04	12.53



96 83 81 75



96 83 81 76



96 83 81 77



96 83 82 78



96 83 81 79



96 83 81 80



96 83 81 81



96 83 81 83



96 83 81 82

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm
	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
	No 40	1/4" sizes 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 400	1/4" 150 mm
	No 404	1/4" 116 mm
	No 405/2	1/4" 54 mm
	No 405/6	1/4" 150 mm
	No 407	1/4" 38 mm
	No 412	1/4"
	No 415	1/4"

	No 10760CV	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm
	No 52	1/2" sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	No 506	1/2" 300 mm
	No 509/2	1/2" 52 mm
	No 509/5	1/2" 130 mm
	No 509/10	1/2" 255 mm
	No 510	1/2" 71 mm
	No 512	1/2"
	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 3 (1.0 x 5.5 x 125 mm) size 4 (1.2 x 6.5 x 150 mm)
	No 4630	sizes 1; 2; 3
	No 65 01 5 180	
	No 65 29 5 200	
	No 65 43 4 002	
	No 65 45 4 002	
	No 65 51 6 240	
	No 65 64 2 250	
	No 66 02 5 160	
	No 102	175 mm
	No 108	150 x 6; 175 x 6 mm
	No 109	size 6; 100 x 3.4 mm
	No 10956	Ø 35 mm
	No 10960	500 g

2500 TCS

Workshop set for BMW vehicles



285 tools, in TCS inlays (Tool Control System see page 53-71), 7x1/3, 1x2/3 and 4x3/3 inlays for 7 drawers (No 98VA for 3.5 drawers).

Code	kg
97 83 06 00	23.7



96 83 81 92



96 83 06 79



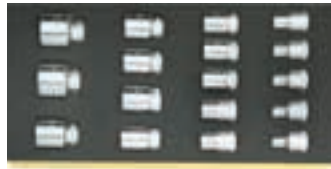
96 83 06 05



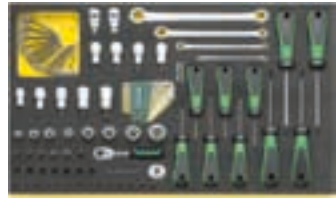
96 83 06 02



96 83 06 03



96 83 81 77



96 83 06 07



96 83 07 06



96 83 06 08



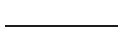
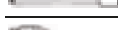
96 83 06 04

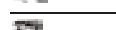
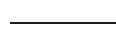


96 83 06 22



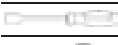
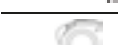
96 83 06 09

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm
	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
	No 20	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22 mm
	No 24	size 10 x 11 mm
	No 40	1/4"  sizes 3; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 40L	1/4"  sizes 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	No 41K	1/4"  0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
	No 44K	1/4"  3; 4; 5; 6; 8 mm
	No 44P	1/4"   sizes 1; 2; 3; 4 mm
	No 400	1/4"  150 mm
	No 404	1/4"  116 mm
	No 405/2	1/4"  54 mm
	No 405/4	1/4"  100 mm
	No 405/6	1/4"  150 mm
	No 407	1/4"  38 mm
	No 412	1/4"  
	No 415	1/4" 
	No 409	3/8"  1/4" 
	No 456	3/8"  sizes 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
	No 46	3/8"  sizes 10; 11; 12; 13 mm
	No 47	3/8"  sizes 10; 11; 12; 13; 14; 15; 16 mm
	No 49 No 1049-9	3/8"  sizes 5; 6; 7 mm 3/8"  size 9 mm

	No 49X	3/8"  sizes M6; M8; M10
	No 427/3	3/8"  76 mm
	No 427/5	3/8"  125 mm
	No 427/10	3/8"  240 mm
	No 435	3/8" 
	No 452	3/8" 
	No 428	3/8"  46 mm
	No 431	1/4"  3/8" 
	No 432	1/2"  3/8" 
	No 52	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	No 54	1/2"  sizes 8; 10; 12; 14; 17 mm
	No 509QR/2	1/2"  52 mm
	No 509/5	1/2"  130 mm
	No 509QR/10	1/2"  255 mm (2x)
	No 506	1/2"  300 mm
	No 510	1/2"  71 mm
	No 512	1/2" 
	No 513	3/8"  1/2" 
	No 514	3/4"  1/2" 
	No 2309K	1/2"  sizes 17; 19 mm
	No 12506	sizes 6; 7 mm
	No 21TX	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	No 40TX	1/4"  sizes E4; E5; E6; E7; E8
	No 44KTXB	1/4"  sizes T10; T15; T20; T25; T27; T30; T40
	No 45TX	3/8"  sizes E10; E12; E14
	No 47TX	3/8"  sizes E8; E10
	No 49TX	3/8"  size T40
	No 50TX	1/2"  sizes E11; E16; E18; E20; E24
	No 54TX No 54TXB	1/2"  sizes T45; T50; T55; T60 1/2"  sizes T30; T40; T45; T50
	No 409M	3/8"  1/4" 
	No 415B	1/4" 
	No 1410 No 1411 No 1412 No 1413 No 1440 No 1441 No 1442 No 1443 No 1444 No 1445 No 1446 No 1427 No 1435	size T6 size T7 size T8 size T9 size T10 size T15 size T20 size T25 size T27 size T30 size T40 size T25 (65 mm) size T55
	No PZ1221 No PZ1222 No PZ1223	size 1 size 2 size 3
	No 736/40	5/16"  size D8
	No 3115/1	1/4"  
	No 4856	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	No 10766	sizes T6; T7

Continuation see next page

Special automotive tools

	No 10766/9	sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
		TORX®-Lehre
	No 4628	size 1 (0.4 x 2.5 x 60 mm)
	No 4724	size 2 (1.0 x 5.5 x 25 mm)
	No 4734 No 4744	size 2 size 1
	No 4820	0.6 x 3.5 x 75 mm 0.8 x 4.0 x 100 mm 1.2 x 6.5 x 150 mm 1.6 x 10.0 x 200 mm 2.0 x 12.0 x 250 mm
	No 4830 No 4840	sizes 1; 2; 3 size 1
	No 10767/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 65 01 5 180	
	No 65 29 5 200	
	No 65 43 4 002	
	No 65 44 4 021	
	No 65 45 4 002	
	No 65 46 4 021	
	No 65 64 2 250	
	No 65 72 6 240	
	No 66 02 5 160	
	No 102	200 mm
	No 103	150 mm
	No 105	120 x 10 mm
	No 108	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	No 10957	Ø 40 mm
	No 10960	500 g
	No 12373	
	No 12600	500 g
	No 12718	
	No 12922E	
	No 12935/3	3 m
	No 39 Pkw	400 mm
	No 7756	

2501N TCS Workshop set for BMW motorbikes



215 tools, in TCS inlays (Tool Control System see page 53-71),
2x1/3, 2x2/3 and 5x3/3 inlays for 7 drawers (No 98VA for 3.5 drawers).

Code	kg
97 83 06 06	23.3



96 83 20 96



96 83 20 95



96 83 20 97



96 83 20 98



96 83 20 99



96 83 21 00



96 83 21 01



96 83 21 02



96 83 06 22

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 18 x 21; 20 x 22 mm
	No 13	sizes 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 29; 30; 32; 34 mm
	No 40	1/4"  sizes 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	No 44K	1/4"  3; 4; 5; 6; 8 mm
	No 400	1/4"  150 mm
	No 404	1/4"  116 mm

	No 405/2 No 405/4	1/4" ■ ○ 54 mm 1/4" ■ ○ 100 mm
	No 407	1/4" ■ ○ 38 mm
	No 412	1/4" ○ ○
	No 415	1/4" ■
	No 456	3/8" ○ sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
	No 46 No 4600 No 4606	3/8" ○ size 20.8 mm-13/16" 3/8" ○ size 16 mm-5/8" 3/8" ○ size 18 mm-11/16"
	No 49	3/8" ○ sizes 5; 6; 8 mm
	No 425	3/8" ■ 165 mm
	No 427/3	3/8" ■ ○ 76 mm
	No 427/10	3/8" ■ ○ 240 mm
	No 428	3/8" ■ ○ 46 mm
	No 431	1/4" ■ 3/8" ○
	No 432	1/2" ■ 3/8" ○
	No 435	3/8" ■
	No 52	1/2" ○ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm
	No 54	1/2" ○ sizes 10; 12 mm
	No 506	1/2" ■ 300 mm
	No 509/5	1/2" ■ ○ 130 mm
	No 509/10	1/2" ■ ○ 255 mm
	No 510	1/2" ■ ○ 71 mm
	No 512	1/2" ■
	No 513	3/8" ■ 1/2" ○
	No 21TX	sizes E6 x E8; E10 x E12
	No 40TX	1/4" ○ sizes E8; E10
	No 44KTXB	1/4" ○ sizes T8; T10; T15; T20; T25; T27; T30; T40
	No 45TX	3/8" ○ sizes E8; E10; E12; E14
	No 49TX No 54TX	3/8" ○ sizes T25; T45 1/2" ○ sizes T40; T50; T55; T60
	No 1054TX No 2054TX	1/2" ○ sizes T50; T55 1/2" ○ sizes T40; T45
	No 10771/8	sizes T9; T10; T15; T20; T25; T27; T30; T40
	No 10769	sizes T9; T10; T15; T20; T25; T30; T40; T45; T50
	No 4621	size 0 (0.4 x 2.5 x 80 mm) size 1 (0.5 x 3.5 x 90 mm) size 2 (0.6 x 4.0 x 100 mm) size 4 (1.0 x 6.5 x 140 mm) size 5 (1.2 x 8.0 x 160 mm)
	No 4631	sizes 1; 2
	No 4632	sizes 1; 2; 3
	No 4724	size 2 (1.0 x 5.5 x 25 mm)
	No 4734	size 2
	No 10506	0.8 x 4 x 300 mm
	No 10518	1.0 x 5.5 x 410 mm
	No 10767/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 10768	sizes 2.5; 3; 4; 5; 6; 8; 10 mm
	No 12507-2K	sizes 8; 10 mm
	No 65 01 5 180	

	No 65 29 5 200	
	No 65 34 5 280	
	No 65 35 5 200	
	No 65 43 4 001 No 65 43 4 002	
	No 65 45 4 001 No 65 45 4 002	
	No 65 72 6 240	
	No 66 02 5 160	
	No 102	150 mm
	No 103	150 mm
	No 105	120 x 10 mm
	No 108	150 x 2.5; 150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	No 10356	
	No 10670	285 mm
	No 10672	20 x 315 mm
	No 10957	∅ 40 mm
	No 10960	300; 500 g
	No 12374	
	No 12600	500 g
	No 12900N	
	No 12922E	∅ 6 mm
	No 12965N	

Tool Control System

The safety inlay system

- Designed to fit our Tool Trolleys and Tool Boxes
- With yellow signal cut-outs to show whether all tools are in their places



TCS

Special automotive tools

2502 TCS

Workshop set for BMW motorbikes

NEW

TCS

Entry-level set, 139 tools, in TCS inlay
(Tool Control System see page 53-71),
3x3/3, 1x1/3 inlays for 4 drawers (No 98VA for 2 drawers).

Code	kg
97830607	12.4



96830180



96830181



96833414



96830182

	No 13	sizes 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm
	No 17	sizes 8; 10; 13; 17; 19 mm
	No 40	sizes 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	No 400N	1/4" ■ 150 mm
	No 405/2	1/4" ■ ○ 54 mm
	No 405/6	1/4" ■ ○ 150 mm
	No 407	1/4" ■ ○ 38 mm
	No 409	3/8" ■ 1/4" ○
	No 410	1/2" ■ 1/4" ○
	No 412	1/4" ○ ○
	No 415	1/4" ■
	No 431	1/4" ■ 3/8" ○
	No 432	1/2" ■ 3/8" ○
	No 52	1/2" ○ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	No 1054	1/2" ○ sizes 8; 10 mm
	No 2054	1/2" ○ sizes 5; 6 mm
	No 1054TX	1/2" ○ sizes T30; T50
	No 2054TX	1/2" ○ sizes T40; T45
	No 509/3	1/2" ■ ○ 75 mm
	No 509/5	1/2" ■ ○ 130 mm
	No 509/10	1/2" ■ ○ 255 mm
	No 510	1/2" ■ ○ 71 mm
	No 512	1/2" ■
	No 513	3/8" ■ 1/2" ○
	No 514	3/4" ■ 1/2" ○
	No 1204/21-1	4 x ⊕; 4x ⊕; 9 x ⊕; 3 x ⊕

	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 3 (1.0 x 5.5 x 125 mm) size 4 (1.2 x 6.5 x 150 mm) size 5 (1.6 x 8.0 x 175 mm)
	No 4628	size 1 (0.4 x 2.5 x 60 mm)
	No 4630	sizes 1; 2; 3
	No 4734	size 2
	No 10767/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 10771/8	sizes T9; T10; T15; T20; T25; T27; T30; T40
	No 65 01 5 180	
	No 65 29 5 200	
	No 65 51 6 240	
	No 66 02 5 160	
	No 105-8/6K	No 105/120 x 10 mm No 108/150 x 2.5; 150 x 3; 150 x 4; 150 x 5; 150 x 6 mm
	No 10960	300 g
	No 12320	
	No 12800	
	No 12935/3	3 m

3026 TCS

Tool set for Mercedes-Benz cars

NEW

TCS

306 tools, in TCS inlay (Tool Control System see page 53-71),
4x1/3, 1x2/3 and 7x3/3 inlays for 9 drawers (No 98VA for 4.5 drawers).

Code	kg
97830208	37.5



96830608



96831609



96830353



96833419



96833415



96833416



96 83 34 18



96 83 34 20



96 83 34 42



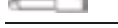
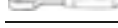
96 83 34 60

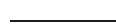
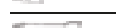
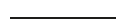


96 83 01 66



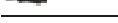
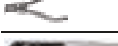
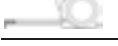
96 83 34 17

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 18; 19; 21; 22; 24; 27; 30; 32 mm
	No 17	sizes 8; 10; 12; 13; 17; 19 mm
	No 20	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
	No 24	size 10 x 11 mm
	No 40	1/4"  sizes 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 41K	1/4"   0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
	No 44K	1/4"  3; 4; 5; 6; 8 mm
	No 44P	1/4"   sizes 1; 2
	No 44PZ	1/4"   sizes 1; 2
	No 400	1/4"  150 mm
	No 404	1/4"  116 mm
	No 405/2	1/4"   54 mm
	No 405/6	1/4"   150 mm
	No 407	1/4"   38 mm
	No 409	3/8"  1/4" 
	No 412	1/4"  
	No 415	1/4" 
	No 415B	1/4" 
	No 456	3/8"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
	No 46	3/8"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	No 47	3/8"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	No 427/3	3/8"   76 mm

	No 427/6	3/8"   160 mm
	No 427/10	3/8"   240 mm
	No 428	3/8"   46 mm
	No 431	1/4"  3/8" 
	No 432	1/2"  3/8" 
	No 435	3/8" 
	No 442	1/4"  
	No 50	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32; 34 mm
	No 54	1/2"  sizes 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
	No 54KK	1/2"  sizes 6; 7; 8; 10 mm
	No 50D IMP	1/2"  sizes 32; 36 mm
	No 2309K	1/2"  sizes 17; 19 mm
	No 54X	1/2"  sizes M8; M10; M12; M14; M16
	No 2054X/M8	1/2"  120 mm
	No 2054X/M10	1/2"  110 mm
	No 3054X/M12	1/2"  140 mm
	No 3054X/M14	1/2"  140 mm
	No 506	1/2"  300 mm
	No 509/5	1/2"   130 mm
	No 509W/2	1/2"   52 mm
	No 509W/5	1/2"   130 mm
	No 509W/10	1/2"   255 mm
	No 509QR/2	1/2"   52 mm
	No 509QR/5	1/2"   130 mm (2x)
	No 510	1/2"   71 mm
	No 512	1/2" 
	No 513	3/8"  1/2" 
	No 514	3/4"  1/2" 
	No 59X	3/4"  size M18
	No 556	3/4"  320 mm
	No 558	510 mm
	No 21TX	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	No 40TX	1/4"  sizes E4; E5; E6; E7; E8
	No 45TX	3/8"  sizes E10; E12; E14
	No 49TX	3/8"  sizes T40; T45
	No 50TX	1/2"  sizes E11; E16; E18; E20; E24
	No 54TX	1/2"  sizes T50; T55; T60
	No 1350	size M4
	No 1356	size M5
	No 1357	size M6
	No 1358	size M8
	No 1359	size M10
	No 1410	size T6
	No 1411	size T7
	No 1412	size T8
	No 1413	size T9
	No 1440	size T10
	No 1441	size T15
	No 1442	size T20
	No 1443	size T25
	No 1444	size T27
	No 1445	size T30
	No 1446	size T40
	No 1427	size T25 (65 mm)
	No PZ1221	size 1
	No PZ1222	size 2

Continuation see next page

Special automotive tools

	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 4 (1.2 x 6.5 x 150 mm)
	No 4621	size 1 (0.5 x 3.5 x 90 mm) size 5 (1.2 x 8.0 x 160 mm)
	No 4628	size 1 (0.4 x 2.5 x 60 mm)
	No 4630	sizes 1; 2; 3
	No 4650	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	No 4650L	sizes T15; T20; T25; T30
	No 4724	size 2 (1.0 x 5.5 x 25 mm)
	No 4734	size 2
	No 10766	sizes T6; T7
	No 10769	size T45
	No 10766/9	size T8; T9; T10; T15; T20; T25; T27; T30; T40
	No 10767H/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 736/10 No 736/10	1/4"  size  6.3 5/16"  size  8
	No 12506	sizes 6; 7; 8 mm
	No 12507-2K	sizes 8; 10; 13 mm
	No 65 01 5 180	
	No 65 29 5 145	
	No 65 43 4 002	
	No 65 44 4 021	
	No 65 45 4 002	
	No 65 46 4 021	
	No 65 51 6 240	
	No 66 00 5 145	
	No 66 02 5 180	
	No 66 02 5 200	
	No 65 64 2 250	
	No 39 Pkw	400 mm
	No 102	150; 200 mm
	No 105	120 x 10 mm
	No 108	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8;
	No 10957	Ø 35 mm
	No 10960	500 g
	No 11006	400 mm
	No 11095/20	20 blades 0.05–1 mm
	No 12374	
	No 12600	3000 g
	No 12718	
	No 12900N	
	No 12900/3	
	No 12935/3	3 m

3022 TCS Tool set for Mercedes-Benz HGVs

NEW

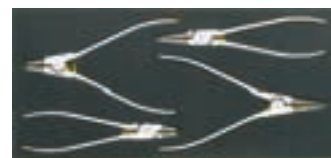
TCS

264 tools, in TCS inlay (Tool Control System see page 53-71),
3x1/3, 1x2/3 and 8x3/3 inlays for 10 drawers (No 98VA for 5 drawers).

Code	kg
97 83 02 09	47.8



96 83 01 72



96 83 06 08



96 83 34 00



96 83 06 22



96 83 34 01



96 83 34 02



96 83 34 03



96 83 34 04



96 83 02 21



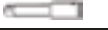
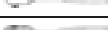
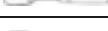
96 83 01 74

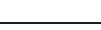
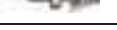


96 83 33 99



96 83 34 13

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32; 34 x 36; 36 x 41 mm
	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm
	No 20	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 26; 25 x 28; 27 x 32; 30 x 32; 36 x 41 mm
	No 40	1/4"  sizes 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 41K	1/4"   0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
	No 44K	1/4"   3; 4; 5; 6; 8 mm
	No 44P	1/4"   size 1; 2
	No 44PZ	1/4"   size 1; 2
	No 400	1/4"  150 mm
	No 404	1/4"  116 mm
	No 405/2	1/4"   54 mm
	No 405/6	1/4"   150 mm
	No 407	1/4"   38 mm
	No 409	3/8"  1/4" 
	No 412	1/4"  
	No 415	1/4" 
	No 415B	1/4" 
	No 456	3/8"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
	No 427/3	3/8"   76 mm
	No 427/6	3/8"   160 mm
	No 427/10	3/8"   240 mm
	No 428	3/8"   46 mm
	No 431	1/4"  3/8" 
	No 432	1/2"  3/8" 
	No 435	3/8" 
	No 442	1/4"  3/8" 
	No 50	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32; 34 mm
	No 54	1/2"  sizes 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
	No 51IMP	1/2"  sizes 24; 27 mm
	No 2309	1/2"  size 22 mm
	No 2309K	1/2"  sizes 17; 19 mm
	No 54X	1/2"  sizes M6; M8; M10; M12; M14; M16
	No 509/2	1/2"   52 mm
	No 509/5	1/2"   130 mm
	No 509/10	1/2"   255 mm
	No 509W/2	1/2"   52 mm
	No 509W/5	1/2"   130 mm
	No 509W/10	1/2"   255 mm
	No 504/15	1/2"  397 mm
	No 506	1/2"  300 mm
	No 510	1/2"   71 mm
	No 512	1/2" 
	No 513	3/8"  1/2" 
	No 514	3/4"  1/2" 

	No 55	3/4"  sizes 22; 24; 27; 30; 32; 34; 36; 38; 41; 46; 50 mm
	No 552	3/4" 
	No 556	3/4" 
	No 559/8 No 559/16	3/4"   200 mm 3/4"   400 mm
	No 558	510 mm
	No 568	1/2"  3/4" 
	No 21TX	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	No 40TX	1/4"  sizes E4; E5; E6; E7; E8
	No 45TX	3/8"  sizes E10; E12; E14
	No 49TX	3/8"  sizes T40; T45
	No 50TX	1/2"  sizes E11; E16; E18; E20; E24
	No 54TX	1/2"  sizes T50; T55; T60
	No 1410 No 1411 No 1412 No 1413 No 1440 No 1441 No 1442 No 1443 No 1444 No 1445 No 1446 No 1427	size T6 size T7 size T8 size T9 size T10 size T15 size T20 size T25 size T27 size T30 size T40 size T25 (65 mm)
	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 4 (1.2 x 6.5 x 150 mm)
	No 4621	size 1 (0.5 x 3.5 x 90 mm) size 2 (1.2 x 8.0 x 160 mm)
	No 4630	sizes 1; 2; 3
	No 4640	sizes PZ1; PZ2
	No 4650	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	No 4724	size 2 (1.0 x 5.5 x 25 mm)
	No 4734	size 2
	No 10766	sizes T6; T7
	No 10767/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 10771/8	sizes T9; T10; T15; T20; T25; T27; T30; T40
	No 65 01 5 180	
	No 65 29 5 200	
	No 65 43 4 002	
	No 65 44 4 021	
	No 65 45 4 002	
	No 65 46 4 021	
	No 65 72 6 240	
	No 66 02 5 160	
	No 102	150; 200 mm
	No 105	120 x 12 mm
	No 108	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	No 10669	

Continuation see next page

Special automotive tools

	No 10957	Ø 50 mm
	No 10960	500; 1000 g
	No 12025	210 mm
	No 12030	260 mm
	No 12035	210 mm
	No 12036	260 mm
	No 12374	
	No 12600	3000 g
	No 12718	
	No 12900N	
	No 12900/3	
	No 12935/3	3 m

1100 TCS Tool set for Porsche



228 tools, in TCS inlays (Tool Control System see page 53-71),
1x1/3, 1x2/3 and 5x3/3 inlays for 6 drawers
(No 98VA for 3 drawers).

Code	Δ kg
97830411	24.7



96830192



96830193



96830194



96830195



96831196

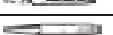
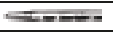
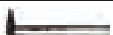
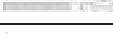


96830197



96830198

	No 12	sizes 5.5; 12; 14 mm (2x)
	No 13	sizes 7; 11 mm (2x); sizes 6; 8; 9; 10; 12; 13; 14; 15; 16; 17; 18; 19; 20; 22; 24; 30; 32; 36 mm (1x)
	No 14	size 17 mm
	No 20	sizes 10 x 11; 12 x 13; 14 x 15; 17 x 19; 19 x 22 mm
	No 23	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 30 x 32 mm
	No 24	sizes 8 x 10; 11 x 13; 12 x 14; 17 x 19; 22 x 24 mm
	No 29	sizes 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm
	No 40	1/4" ○ sizes 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	No 44	1/4" ○ sizes 3; 4; 5; 6 mm
	No 400	1/4" ■ 150 mm
	No 404	1/4" ■ 116 mm
	No 405/6	1/4" ■ ○ 150 mm
	No 407	1/4" ■ ○ 38 mm
	No 409M	3/8" ■ 1/4" ○
	No 415	1/4" ■
	No 45	3/8" ○ sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	No 46	3/8" ○ size 20.8 mm-13/16"
	No 49	3/8" ○ sizes 4; 5; 6; 7; 8; 10 mm
	No 425	3/8" ■ 165 mm
	No 427/3	3/8" ■ ○ 76 mm
	No 427/10	3/8" ■ ○ 240 mm
	No 428	3/8" ■ ○ 46 mm
	No 432M	1/2" ■ 3/8" ○
	No 435	3/8" ■
	No 50	1/2" ○ sizes 19; 21; 22; 24; 27; 30; 32 mm
	No 52	1/2" ○ sizes 16; 17; 18; 19; 22; 24; 27; 30; 32 mm
	No 54	1/2" ○ sizes 6; 7; 8; 10 mm
	No 54X	1/2" ○ sizes M6; 8; 12; 14
	No 506	1/2" ■ 300 mm
	No 509/5	1/2" ■ ○ 130 mm
	No 509/10	1/2" ■ ○ 255 mm
	No 510	1/2" ■ ○ 71 mm
	No 512	1/2" ■
	No 514M	3/4" ■ 1/2" ○
	No 21TX	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	No 40TX	1/4" ○ sizes E4; E5; E6; E7; E8
	No 45TX	3/8" ○ sizes E10; E12; E14
	No 50TX	1/2" ○ sizes E11; E16; E18; E20; E24
	No 54TX	1/2" ○ sizes T45; T50; T55; T60

	No 1410	size T6
	No 1411	size T7
	No 1412	size T8
	No 1413	size T9
	No 1440	size T10
	No 1441	size T15
	No 1442	size T20
	No 1443	size T25
	No 1444	size T27
	No 1445	size T30
	No 1446	size T40
	No 1427	size T25 (65 mm)
	No 415SGB	1/4" 
	No 4650	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	No 10766/9	sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
	No 4622	size 1 (1.0 x 5.5 x 100 mm) size 2 (1.2 x 6.5 x 125 mm) size 4 (1.6 x 10.0 x 175 mm) size 5 (2.0 x 12.0 x 200 mm)
	No 4630	size 1
	No 4632	size 3
	No 4724	size 2 (1.0 x 5.5 x 25 mm)
	No 4734	size 2
	No 10760CV/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 65 01 6 180	
	No 65 43 4 002	
	No 65 45 4 002	
	No 65 46 4 021	
	No 65 51 6 240	
	No 66 02 6 160	
	No 100	150 mm
	No 103	150 mm
	No 104	120 x 4; 120 x 6 mm
	No 105	120 x 12 mm
	No 108	150 x 4 mm
	No 10670	265 mm
	No 10940	∅ 55 mm
	No 10955	∅ 35 mm
	No 10960	300; 500 g
	No 11095/20	20 blades 0.05-1 mm
	No 12005	
	No 12036	260 mm
	No 12321	
	No 12905	
	No 12935/3	3 m

1120 TCS

Workshop set for VW/Audi (basic)



241 tools, in TCS inlays (Tool Control System see page 53-71), 3x1/3, 3x2/3 and 4x3/3 inlays for 7 drawers (No 98VA for 4 drawers).

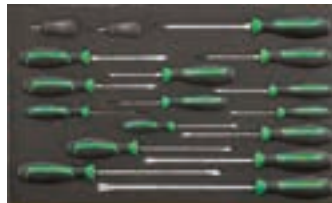
Code	 kg
9783 08 20	30



9683 16 08



9683 16 15



9683 16 13



9683 15 85



9683 16 09



9683 08 77



9683 16 10



9683 01 66



9683 16 14

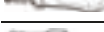
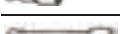
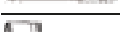


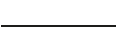
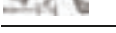
9683 15 84

	No 13	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
	No 20	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
	No 24	size 10 x 11 mm
	No 17	sizes 8; 10; 12; 13; 17; 19 mm

Continuation see next page

Special automotive tools

	No 40	1/4"  sizes 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	No 44K	1/2"  sizes 3; 4; 5; 6 mm
	No 40TX	1/4"  sizes E4; E5; E6; E8
	No 44KTX	1/4"  sizes T10; T15; T20; T25; T27
	No 41K	1/4"  1.0 x 5.5 mm
	No 44P	1/4"  sizes 1; 2
	No 400	1/4"  150 mm
	No 405W/2	1/4"  54 mm
	No 405W/4	1/4"  100 mm
	No 405W/6	1/4"  150 mm
	No 407	1/4"  38 mm
	No 412	1/4"  
	No 415	1/4" 
	No 409	3/8"  1/4" 
	No 431	1/4"  3/8" 
	No 432	1/2"  3/8" 
	No 50	1/2"  sizes 8; 9; 10; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
	No 52	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	No 54	1/2"  sizes 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
	No 54KK	1/2"  sizes 5; 6; 7; 8; 10 mm
	No 54X	1/2"  sizes M5; M6; M8; M10; M12; M14; M16
	No 59X	3/4"  size M18
	No 1054X/M8	1/2"  80 mm
	No 3054X/M10	1/2"  140 mm
	No 3054X/M12	1/2"  140 mm
	No 3054X/M14	1/2"  140 mm
	No 50TX	1/2"  sizes E10; E12; E14; E16; E18; E20
	No 54TX	1/2"  sizes T25; T27; T30; T40; T45; T50; T55; T60
	No 506	1/2"  300 mm
	No 509W/2	1/2"  52 mm
	No 509W/5	1/2"  130 mm
	No 509W/10	1/2"  255 mm
	No 510	1/2"  71 mm
	No 512	1/2" 
	No 513	3/8"  1/2" 
	No 514	3/4"  1/2" 
	No 556	3/4"  320 mm
	No 558	510 mm
	No 568	1/2"  3/4" 
	No 2309K	1/2"  sizes 17; 19 mm
	No 50D IMP	1/2"  sizes 32; 36 mm
	No 1410	size T6
	No 1411	size T7
	No 1412	size T8
	No 1413	size T9
	No 4724	size 1 (0.6 x 3.5 x 25 mm)
	No 4734	size 2

	No 4620	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 3 (1.0 x 5.5 x 125 mm) size 4 (1.2 x 6.5 x 150 mm) size 5 (1.6 x 8.0 x 175 mm) size 6 (1.6 x 10.0 x 200 mm) size 7 (2.0 x 12.0 x 200 mm)
	No 4632	size 1; 2; 3
	No 4622SK	size 1 (0.8 x 4.0 x 90 mm) size 2 (1.0 x 5.5 x 100 mm) size 3 (1.2 x 6.5 x 125 mm)
	No 4632SK	sizes 1; 2
	No 4650	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	No 10767/9	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	No 10771/8	sizes T9; T10; T15; T20; T25; T27; T30; T40
	No 65 01 5 180	
	No 65 29 5 160	
	No 65 43 4 002	
	No 65 44 4 021	
	No 65 45 4 002	
	No 65 46 4 021	
	No 65 63 2 250	
	No 65 72 6 240	
	No 66 02 5 180	
	No 102	150; 200 mm
	No 105	120 x 10 mm
	No 108	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	No 10956	Ø 35 mm
	No 10960	500 g
	No 11095/13	0.05-1 mm
	No 12320	
	No 12373	
	No 12600	500 g
	No 12718	
	No 12900/3	
	No 12920N	
	No 12935/3	3 m
	No 39 Pkw	400 mm
	No 7756	

1120/1 TCS Additional set for VW



66 tools, in TCS inlays (Tool Control System see page 53-71),
2x1/3 und 1x2/3 inlays for 2 drawers (No 98VA for 1 drawer).

Code	Δ kg
97 83 08 21	6.55



96 83 16 02



96 83 16 07



96 83 16 01

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
	No 40DL	1/4" ○ size 8 mm
	No 46	3/8" ○ size 12 mm
	No 51	1/2" ○ sizes 10; 13; 14; 15; 16; 17; 18; 19 mm
	No 54TX	1/2" ○ sizes T30; T40; T45; T50; T55
	No 512	1/2" ■
	No 513	3/8" ■ 1/2" ○
	No 1162	0.6 x 3.5 mm
	No 1164	0.8 x 4.0 mm
	No 1166	1.0 x 5.5 mm
	No 1166/1	1.2 x 6.5 mm
	No 1168	1.6 x 8.0 mm
	No 1299	2 mm
	No 1221	size 1
	No 1222	size 2
	No 1223	size 3
	No PZ1221	size 1
	No PZ1222	size 2
	No PZ1223	size 3
	No 1410	size T6
	No 1411	size T7
	No 1412	size T8
	No 1413	size T9
	No 1414	size T10
	No 1415	size T15
	No 1416	size T20
	No 1417	size T25
	No 1418	size T27
	No 1419	size T30
	No 1420	size T40
	No 1421	size T45
	No 1435	size T55

	No 1300	3 mm
	No 1301	4 mm
	No 1302	5 mm
	No 1303	6 mm
	No 1304	8 mm
	No 415B	1/4" ○
	No 12507-2K	sizes 8; 10; 13 mm
	No 65 01 5 180	
	No 65 29 5 145	
	No 65 30 5 200	
	No 66 00 5 145	
	No 66 02 5 200	

Tool Control System

The safety inlay system

- Designed to fit our Tool Trolleys and Tool Boxes
- With yellow signal cut-outs to show whether all tools are in their places



Special automotive tools

1120/2 TCS Additional set for Audi



73 tools, in TCS inlays (Tool Control System see page 53-71), 2x1/3, 1x2/3 and 1x3/3 inlays for 3 drawers (No 98VA for 1.5 drawers).

Code	kg
97830822	8.04



96831602



96831603



96831601



96831695

	No 10	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
	No 456	3/8" sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
	No 46	3/8" sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	No 47	3/8" sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	No 427/3	3/8" 76 mm
	No 427/6	3/8" 160 mm
	No 427/10	3/8" 240 mm
	No 427W/3	1/4" 76 mm
	No 427W/5	3/8" 125 mm
	No 427W/6	3/8" 160 mm
	No 428	3/8" 46 mm
	No 435	3/8"
	No 543	5/16" 1/2"
	No 1350	size M4
	No 1356	size M5
	No 1357	size M6
	No 1358	size M8
	No 1359	size M8
	No 4650L	sizes T15; T20; T25; T30
	No 736/10	1/4" size D 6.3
	No 736/10	5/16" size D 8
	No 12506	sizes 6; 7; 8 mm
	No 12507-2K	sizes 8; 10; 13 mm
	No 65 01 5 180	
	No 65 29 5 145	
	No 65 30 5 200	
	No 66 00 5 145	
	No 66 02 5 200	

1120/3 TCS Bodywork set for VW/Audi



9 tools, in TCS inlays (Tool Control System see page 53-71), 3/3 inlays for 1 drawer (No 98VA for 0.5 drawers).

Code	kg
96831586	4.4



96831586

	No 112	240 mm
	No 65 63 2 175	
	No 65 64 2 145	
	No 65 64 2 250	
	No 10670	265 mm
	No 10960	200; 1000 g
	No 12752R	260 mm
	No 12752L	260 mm

Special tools for cars Special tools for carburetors

10503 Screwdriver

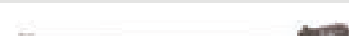
for adjusting slotted screws, matt chrome, black tip.



Code	L mm	Blade mm	kg	
73213101	365	0.8 x 5.0 x 260	100	10

10506 Screwdriver

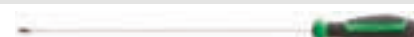
for setting correct CO-valve on mixture screen, idling mixture on Pierburg carburetors: BMW, Ford, Opel, Peugeot, Renault, Mercedes-Benz cars. Choke adjustment Audi 80, VW Passat 1.3-1.5; 1.6 l, matt chrome, black tip.



Code	L mm	Blade mm	kg	
73010001	350	0.8 x 4.0 x 300	53	10

10507N KK Ball ended hexagon driver

for hexagon socket head screws, size 3 mm, for mixture regulation on distributor of K-Jetronic: VW-Audi, Mercedes-Benz, Porsche 924, Ford and BMW, matt chrome, black tip.



Code	L mm	kg	
73103003	385	56	5

10518 Screwdriver

for adjustment (slotted screws), matt chrome, black tip.



Code	L mm	Blade mm	g	
73 21 31 02	525	1,0 x 5,5 x 410	159	10

11085 Jet reamers

16 pieces in case
(0.33; 0.4; 0.45; 0.5; 0.6; 0.7; 0.75;
0.8; 0.9; 1.0; 1.1; 1.2; 1.4; 1.6; 1.8;
2.0 mm),
with holder.



Code	g	
74 31 00 01	27	10

12504 Bit holder with inside hexagon

for all screwdriver bits,
flexible shaft, for adjustment.



Code	L mm	inside O"	Blade mm	g	
18 10 30 16	290	1/4	150	168	10

54TX-T20 Screwdriver Bit

for inside TORX® screws, size T20,
1/2" O-drive, use on mounting screws for
choke-switch on choke-flap L-Jetronic.



Code	Type	g	
03 10 00 20	BMW	71	5

540-22 CROW-FOOT spanner

size 22 mm, 3/8" O-drive,
on through-flow jet of 2B4-carburettor,
for use with adaptor No 513.



Code	Type	g	
02 20 00 22	BMW: series 3, 518, 520	64	1

513 Adaptor

1/2" socket x 3/8" plug.



Code	Type	g	
13 03 00 02	BMW: series 3, 518, 520	55	5

1062 Socket

bi-hexagon, AS-drive,
size 27 mm, 1/2" O-drive,
for diesel injectors.



Code	Type	g	
03 83 00 27	BMW: M 21: E30 = 324td, E28 = 524td, E34 = 524td, M 51: E36 = 325td, E34 = 525tds	255	5

1023 Special ring spanner

single ended, angled, size 13 mm,
use on mounting screws of injection
pump.



Code	Type	g	
41 11 00 13	Citroën: all diesel VW/Audi: Audi 80 L, CL, GL, CD, Golf, Jetta, Caddy, Passat	67	1

51-27 Socket

extra deep, bi-hexagon, size 27 mm,
1/2" O-drive, for injection nozzles on
diesel car engines.



Code	Type	g	
03 02 00 27	Mercedes-Benz	294	5

51-30 Socket

size 30 mm, for injectors.

Code	Type	g	
03 02 00 30	Mercedes-Benz	341	5

3000 Socket

multi-spline, 1.5 x 58 mm,
1/2" O-drive,
for use on pre-chamber with
indirect injection.



Code	Type	g	
03 39 00 01	Mercedes-Benz diesel	185	10

3505 Special extension



Code	Type	g	
13 21 00 01		186	1

1054-13 INHEX socket

for hexagon socket head screws, size 13 mm,
length, 70 mm, 1/2" O-drive,
for use on brass air-cooled injector nozzles.



Code	Type	g	
03 15 07 13	VW/Audi: for engines with fuel injection	130	5

Special tools for valves and pistons

11063 Valve seating-ring pliers

for pulling valve stem seals and removal of valve spring base on VW-Audi engines with overhead camshaft i.e. Golf, Passat, Audi 80, Audi 100, BMW and Mercedes-Benz, bright nickel-plated.



Code	L mm	g	g	g
74 29 00 01	250	340	1	

11063/1 Valve seating-ring pliers

for extracting poorly accessible valve shaft seals, e.g. in four-valve engines. Joint and jaws made of gun-finished hardened sheet steel. Handles made of nickel-plated shaped sheet steel.



Code	L mm	g	g	g
74 29 00 02	270	330	1	

11068 Piston ring compressors

made of spring steel, stepless adjustment c/w hexagon key wrench.



Code	size	Clamp. width mm	Height mm	g	g
74 14 00 00	0	40-75	50	105	1
74 14 00 01	1 ¹⁾	57-125	80	230	1
74 14 00 03	2	90-175	80	270	1
74 14 00 05	3	90-175	165	603	1

¹⁾ Fiat-No A 60 605
(Type 126, 127, 128, X 1/9, 130, 131, 132, 850T, 238)

11069 Piston ring pliers

for mounting and removing piston rings, bright nickel-plated.



Code	size	for piston rings mm	L mm	g	g
74 15 20 01	1 ¹⁾	50-100	200	245	1
74 15 20 02	2	80-120	240	279	1
74 15 20 03	3	110-160	240	394	1
74 15 20 05	5 ²⁾	60-160	220	194	1

¹⁾ Fiat-No A 60 182 (Type 126, 127, 133, 850T)

²⁾ with V-shaped contact faces for safe and positive manipulation of piston rings

11095-11097 Precision feeler gauges

nickel-plated case, tapered blades.



Code	No	Sizes	L mm	g	g
74 24 00 01	11095/13	0.05; 0.10; 0.15; 0.20; 0.25; 0.30; 0.40; 0.50; 0.60; 0.70; 0.80; 0.90; 1.00 mm	100	61	10
74 24 00 02	11095/20	0.05; 0.10; 0.15; 0.20; 0.25; 0.30; 0.35; 0.40; 0.45; 0.50; 0.55; 0.60; 0.65; 0.70; 0.75; 0.80; 0.85; 0.90; 0.95; 1.00 mm	100	95	10
74 24 00 05	11097/26	1 1/2; 2; 2 1/2; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25/1000"	100	80	10

12108 Valve spring tool

incorporating 2 clamping and 2 compression facilities which are interchangeable, suitable for most car engines, some without removing cylinder head.



Code	g	g
74 57 00 01	780	1

12705 Motor mechanics stethoscope

steel probe, plastic handle and sound tubes.



Code	g	g
74 06 00 01	137	1

12731 Valve grinding tools

with suction cap.



Code	Ø mm	g	g
74 05 00 20	20	58	5
74 05 00 25	25	54	5
74 05 00 30	30	66	5
74 05 00 37	37	65	5

40-3 Socket

hexagon, size 3 mm, 1/4" O-drive, for releasing and tightening screws on the expansion valve.



Code	Type	g	g
01 01 00 03	BMW: X6 model E71, 7 Series model F01/F02	7	10

732/10-10 Ring insert tool

size 10 mm, valve adjustment,
tightening torque 8-12 N·m.



Code	Type	g	
58 22 10 10	BMW: all except Diesel	44	1

1054-10 INHEX socket

for hexagon socket head screws,
size 10 mm, length 140 mm,
1/2" $\odot$ -drive, for cylinder head bolts.



Code	Type	g	
03 15 14 10	Mercedes-Benz	150	5

3054X-M10 Screwdriver BIT

for tri-square socket head screws
(XZN[®]), size M10, length 140 mm,
1/2" $\odot$ -drive, for cylinder head bolts
and drive shaft bolts.



Code	Type	g	
03 26 14 10	Mercedes-Benz	142	5

3054X-M12 Screwdriver BIT

size M12, for cylinder head bolts,
with tri-square socket head M12.



Code	Type	g	
03 26 14 12	Mercedes-Benz	160	5

3004 Screwdriver BIT

for tri-square socket head screws (XZN[®]),
size M12, length 55 mm,
1/2" $\odot$ -drive, for cylinder head bolts.



Code	Type	g	
03 23 00 12	Mercedes-Benz	75	5

54CV/9 Set: Screwdriver sockets

for spline socket head screws
(Ribe-CV[®]), for brakes and cylinders
head bolts.
Content:
M5; M6; M7; M8; M9; M10; M12;
M13; M14



Code	Type	g	
96 03 19 01	Fiat, Alfa	1317	1

54CV Screwdriver sockets

for spline socket head screws (Ribe-CV[®]),
length 60 mm, 1/2" $\odot$ -drive,
for brakes and cylinder head bolts.



Code	size	Type	g	
03 09 00 07	M7	Fiat	78	5
03 09 00 08	M8	Fiat	78	5
03 09 00 09	M9	Fiat (1,2 l; 8V/16V)	92	5
03 09 00 10	M10	Fiat (1,2 l; 8V/16V)	95	5
03 09 00 12	M12	Fiat (2,0 l)	119	5
03 09 00 13	M13	Fiat, Alfa (e.g. 1,6 l; 16V)	123	5
03 09 00 14	M14	Alfa (e.g. 1,6 l; 16V)	126	5
03 09 00 16	M16	Alfa (e.g. 1,6 l; 16V)	163	5

Special tools for chassies and steering

40TX-E8 Socket

for external TORX[®] screws,
size E 8, 1/4" $\odot$ -drive,
for steering lock screws.



Code	Type	g	
01 27 00 08	BMW	10	10

24-17x19 OPEN-RING spanner

bi-hexagon, size 17 x 19 mm,
use on wingpump manifold
(hydro-steering).



Code	Type	g	
41 08 17 19	BMW	151	10

55-36 Socket

hexagon, size 36 mm, 3/4" $\odot$ -drive,
use on vibration damper.



Code	Type	g	
05 01 00 36	BMW: series 5, 6 and 7, except 518-520i	386	2

540-22 CROW-FOOT spanner

size 22 mm, 3/8" $\odot$ -drive,
use on track-rods.



Code	Type	g	
02 20 00 22	BMW: series 3, 518, 520	64	1

Special automotive tools

513 Adaptor

1/2" socket x 3/8" plug.



Code	Type	 g	
13 03 00 02	BMW: series 3, 518, 520	55	5

1417 BIT

for inside TORX® screws, size T25; 1/4" -drive, for screws on sun roof E30.



Code	Type	 g	
08 13 00 25	BMW	6	10

3054X-M10 Screwdriver BIT

for tri-square socket head screws (XZN®), size M10, on drive shaft bolts.



Code	Type	 g	
03 26 14 10	Mercedes-Benz	142	5

11060-3 Internal puller

capacity 27-36 mm, for taper roller bearing outer ring on steering housing, to be used with counter stay No 11061-2.



Code	Type	 g	
71 16 00 13	Mercedes-Benz	365	1

11061-2 Counter stay with reduction unit

for taper roller bearing outer ring on steering housing.



Code	Type	 g	
71 17 00 12	Mercedes-Benz	1500	1

46-19 Socket

Fiat-No A 57 052 extra deep, bi-hexagon, size 19 mm, 3/8" -drive, for front mounting screw of top steering link on front wheel suspension.



Code	Type	 g	
02 02 00 19	Fiat: 1500, 125	112	10

12495 Brass punch

Ø 20 mm, length 200 mm, for use on bushes bearing rings, steering pivot pin.



Code	Type	 g	
77 13 00 00	VW/Audi	533	5

Special tools for ignition and electrics

3466 Spark plug socket

3/8" -drive, with magnet, outside dia 25.5 mm, for deep seated plugs.



Code	 mm/"	L mm	 g	
02 14 00 36	16-5/8	85	198	5

4600 Spark plug socket

3/8" -drive, with rubber insert.



Code	 mm/"	L mm	 g	
02 12 00 36	16-5/8	60	88	10

4606 Spark plug socket

3/8" -drive, with rubber insert.



Code	 mm/"	L mm	 g	
02 13 00 18	18-11/16	65	132	10

46 Spark plug socket

3/8" -drive, with rubber insert.



Code	 mm/"	L mm	 g	
02 02 02 08	20,8-13/16	65	151	10

51 Spark plug socket

1/2" -drive, with rubber insert.



Code	 mm/"	L mm	 g	
03 02 02 16	16-5/8	83	137	10
03 02 02 08	20,8-13/16	83	194	10

51S Spark plug socket

1/2" -drive, with rubber insert.



Code	 mm/"	L mm	 g	
03 24 02 08	20,8-13/16	83	196	10

5100 Rubber insert

for size 20.8 mm
(No 46; 51; 51S).



Code	 g	
09 01 00 01	5	5

10626 Spark plug connector pliers

forged, with 45° offset, curved jaws,
for extracting and replacing
sparkplug connectors.



Code	L mm	 g	
76 53 00 01	195	223	1

12375 Spark plug brush

wood, brass wire dia 0.15 mm.



Code	L mm	Reihen	 g	
74 16 00 01	150	3 x 5	18	10

Tools for heater plugs

25GK Ratchet ring spanner

angled, extra long,
for hard-to-reach heater plugs
(e.g. BMW, Mercedes-Benz, Peugeot,
Renault, Seat, VW/Audi), size 8 mm for contact rail bolts,
size 12 mm for diesel heater plugs, chrome plated.



Code	 mm	L mm	 g	
41 18 08 12	8 x 12	255	156	1

3047 Spark plug sockets

extra long,
for hard-to-reach heater plugs,
3/8" -drive, size 10 mm e.g. for
Renault, VW/Audi TDi;
size 12 mm e.g. for BMW,
Mercedes-Benz (201, 202 four-valve technology), Ford, Opel, Renault.



Code	 mm	L mm	 g	
02 18 00 10	10	140	138	1
02 18 00 12	12	140	138	1

46-12 Socket

extra deep, bi-hexagon, size 12 mm,
3/8" -drive, use on glow plugs of diesel
engines.



Code	Type	 g	
02 02 00 12	BMW: 324d; 524d	57	10

Testing tools for car electrics

12905 Car circuit tester

for car electrics 6-12 volt and
24 volt, with pointed probe,
cover cap, connecting lead with
alligator clip.



Code	L mm	 g	
77 38 00 01	120	73	10

7756 Automotive voltage tester (complete set)

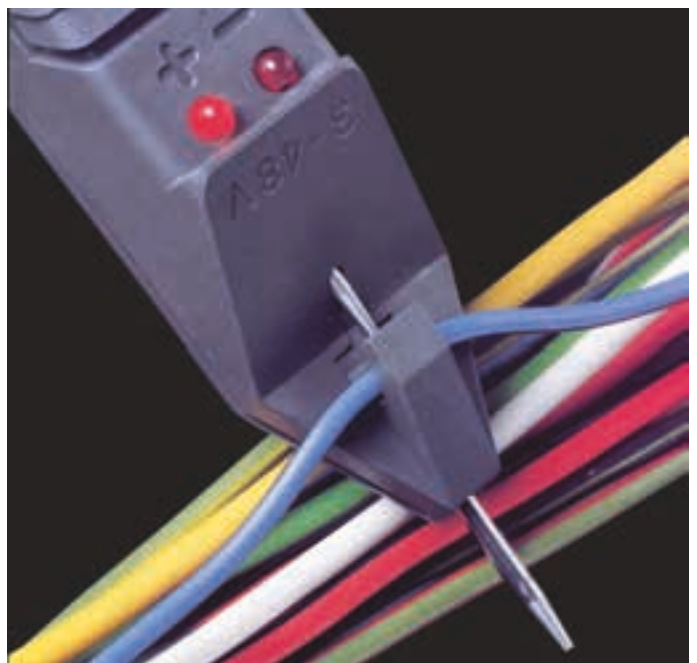
Testing unit for electric and
electronic car components,
3-48 volt, 4 LEDs to indicate
voltage and plus or minus pole,
complete in Pc-bag.

Content:

- 1 basic unit with 1.5 m cable,
testing tip, integrated mechanical sliding needle,
- 1 crocodile terminal,
- 1 jaw clamp.



Code	 g	
77 56 00 02	85	1



Special tools for brakes and wheels

ES 721/15/3/2



530 x 350 x 40 mm, 6 pieces

Code	g
96838172	5012



No 2309K 1/2" sizes 17; 19; 21 mm



No 721/15 Quick 30-150 N·m



No 35c Pkw 17; 19; 22; 1/2"



No 10599/2 245 mm

83812087	Empty tray	299
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34c/35c Wheel braces

DIN 3119/ISO 6788, forged centre section, pressed-in extension arms with extra deep forged socket heads, Chrome Alloy Steel, chrome plated.



Code	No	mm/"	L mm	g	
43030006	35c Pkw	17; 19; 22; 1/2"	400	2058	1
43030005	34c Lkw	24; 27; 32; 3/4"	700	5053	1

39 Tyre levers

Handy, sturdy construction, purposefully shaped, Chrome Alloy Steel.

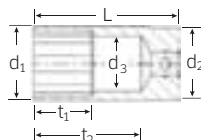


Code	No	L mm	g	
74010400	39 cars	400	383	5
74010600	39/1 HGVs	600	897	5
74010602	39/2 HGVs	600	1172	5
74010603	39/3 HGVs	600	915	5

51S Socket



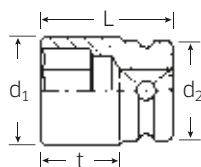
extra deep, DIN 3124/ISO 2725-1, E DIN EN 3710, E DIN EN 3709 (test loads), with rubber insert for spark plugs and for tightening and untightening wheel nuts on Japanese cars, HPQ® high performance steel, chrome plated.



Code	mm/"	d1 mm	d2 mm	d3 mm	L mm	t1 mm	t2 mm	g	
03240208	20.8-13/16	27.7	26	20	83	22	66.2	196	10

2309 IMPACT sockets

1/2" -drive, for power drivers, extra deep, with reduced outside diameter, Chrome Alloy Steel, gunmetal finish.



Code	mm	d1 mm	d2 mm	L mm	t mm	g	
23090017	17	25.7	30	85	68	242	5
23090019	19	28.2	30	85	67.5	257	5
23090221 NEW	21	30.7	30	85	66.5	272	5
23090022	22	32	30	85	66.5	311	5

for wheel nuts

2309K Wheel nut sockets

with plastic sleeve. Sleeve extension protects not only wheel bolts and nuts but also the wheel and holes.



Code	mm	"	L mm	Ø mm	g	
23091017	17	1/2	86	27	242	1
23091019	19	1/2	86	29	250	1
23091221 NEW	21	1/2	86	31	265	1

10599/2 Balance weight pliers

with cutter for cutting and trimming lead weights (with or without adhesive foil), Chrome Vanadium, chrome plated.



Code	L mm	g	
76294003	245	319	1

10613 Brake spring pliers

for rivetted brake linings/shoes, Chrome Vanadium, bright nickel-plated.



Code	L mm	Δ g	
76 41 30 01	210	245	6

10613/1 Brake spring pliers

with flexible anvil, for rivetted and glued brake linings/shoes.



Code	L mm	Δ g	
76 41 30 21	330	461	2

12371 Brake calliper file

for removing dust, rust and dirt from brake calliper groove.



Code	L mm	Δ g	
74 54 31 01	260	104	5

12373 Steel wire brush

special slim design.



Code	L mm	Rows	Δ g	
77 44 00 01	230	2	70	10

12900/3 Tyre tread Vernier calliper

- sturdy brass construction
- smooth ground surface



Code	measuring range mm	Δ g	
77 37 10 04	30	42	1

12900/4 Electronic tyre tread Vernier calliper

- large LCD display with clear read-offs, figures 9.5 mm high
- display accuracy 0.01 mm/0.0005"
- ON/OFF push button
- unit of measure switchable mm/inch
- zeroing possible in any position
- incl. 1 x 3 V battery (type CR2032) packed in accordance with UN3091, Class 9



Code	measuring range mm/"	Δ g	
77 37 10 05	25/1	40	1

54-7 INHEX socket

for hexagon socket head screws, size 7 mm, 1/2" O-drive, for changing brake linings.



Code	Type	Δ g	
03 05 00 07	BMW: 518, 520i, 525i, 528i	75	5

1049-9 INHEX socket

for hexagon socket head screws, size 9 mm, 3/8" O-drive, for brake calliper retainers.



Code	Type	Δ g	
02 15 10 09	BMW, MINI	62	5

733/10-11 OPEN-RING insert tool

size 11 mm, use with SERVICE-MANOSKOP® torque wrench No 730/5, for flare nuts on brake lines and bleed screws.



Code	Type	Δ g	
58 23 10 11	Mercedes-Benz	55	1

733/10-12 OPEN-RING insert tool

size 12 mm, for flare nuts on brake pressure regulator, tightening torque 15-18 N·m.



Code	Type	Δ g	
58 23 10 12	BMW	59	1

733/10-14 OPEN-RING insert tool

size 14 mm, for flare nuts on main brake cylinder, tightening torque 16-25 N·m (BMW), for flare nuts on brake lines and bleed screws (Mercedes-Benz).

Code	Type	Δ g	
58 23 10 14	BMW, Mercedes-Benz	60	1

733/10-17 OPEN-RING insert tool

size 17 mm, for flare nuts on main brake cylinder, tightening torque 16-25 N·m.

Code	Type	Δ g	
58 23 10 17	BMW	64	1

733/10-19 OPEN-RING insert tool

size 19 mm, for flare nuts on main brake regulator, tightening torque 30-40 N·m.

Code	Type	Δ g	
58 23 10 19	BMW	80	1

Special automotive tools

54CV/9 Set: Screwdriver sockets

for spline socket head screws (Ribe-CV®), for brakes and cylinders head bolts.
Content:
M5; M6; M7; M8; M9; M10; M12; M13; M14



Code	Type	g	
96 03 19 01	Fiat, Alfa	1317	1

54CV Screwdriver sockets

for spline socket head screws (Ribe-CV®), length 60 mm, 1/2" Ø-drive, for brakes and cylinder head bolts.



Code	size	Type	g	
03 09 00 07	M7	Fiat	78	5
03 09 00 09	M9	Fiat (1,2 l; 8V/16V)	92	5
03 09 00 13	M13	Fiat, Alfa (e.g. 1,6 l; 16V)	123	5

3045K Special sockets

for oil filters, size 74 mm, 14-point, 10 mm dia. bore and outside hexagon 22 mm Ø, extremely compact – essential where access is awkward.



Code	total height mm	Type	g	
74 37 00 03	44	e.g. Ford Mondeo from 02/2002	104	1

3046 Special sockets

for fitting and removing oil filter covers when changing oil filter cartridges.



Code	mm	Ø	Type	g	
02 11 10 32	32	3/8	e.g. Audi, MAN, Vauxhall Astra, Corsa, VW Passat	130	1
02 11 10 36	36	3/8	e.g. BMW, Mercedes-Benz cars, 100 D Transporter, MAN, Vauxhall Vectra B DI 16V, VW Lupo 1.2 TDi, model year 99	171	1

Special tools for lubrication service

1015 Oil filter claw

for loosening of oil filters on cars.



Code	Ø	Clamp. width mm	total height mm	length of claws mm	g	
74 62 00 02	3/8	68-120	65	50	530	1

3045 Special socket

for oil filters, size 74 mm, 14-point, 10 mm dia. bore and outside hexagon 22 mm Ø.



Code	total height mm	g	
74 37 00 01	52	131	1

12005 Strap wrenches

for oil filters etc., up to 180 mm diameter, non-slip rubber cloth tape, 22 mm width.



Code	No	L mm	g	
76 50 00 01	12005	236	264	1
79 15 00 01	12005/1 ¹⁾	600	68	1

¹⁾ spare strap

12007 Oil filter wrenches

adjustable for diameters 80-110 mm. Hardened anti-slip cams ensure safety during use.



Code	No	L mm	g	
76 52 10 01	12007/1 ¹⁾	150	226	1
76 52 10 02	12007/2 ²⁾	240	319	1

¹⁾ with 1/2" Ø

²⁾ with lever handle

54-14 INHEX socket

for hexagon socket head screws,
size 14 mm, 1/2" -drive,
for use on oil drain plug.



Code	Type		
03 05 00 14	Mercedes-Benz	135	5

10765-12 Hexagon key wrench

Fiat-No A 5013
long, for hexagon socket
head screws, size 12 mm,
for oil drain plug on engine,
gearbox and rear axle.



Code	Type		
43 21 00 12	Fiat	287	5

1054-13 INHEX socket

for hexagon socket head screws,
size 13 mm, length 70 mm, 1/2" -drive,
for oil drain plug on engine.



Code	Type		
03 15 07 13	Lancia	130	5

1058 Oil service spanner

bent, size 8 and 10 mm outside
square, for drain plugs on sump,
gearbox, differential.



Code	Type		
44 73 08 10	Peugeot, Renault	314	5

1054KK-5 INHEX socket

with ball-point hexagon, size 5 mm,
length 238 mm, 1/2" -drive,
for use on socket head screws with
difficult access up to an angle of 25°,
size 5 mm for use on sump screws
of 5 cylinder diesel engine, van T4.



Code	Type		
03 31 00 05	VW/Audi	145	5

1054KK-8 INHEX socket

size 8 mm, length 238 mm.



Code	Type		
03 31 00 08	VW/Audi	154	5

Special tools for engine and gear transmission

50TX-E10 Socket

for external TORX® screws, size E10, 1/2" -drive,
use on mounting screws for GETRAG 260 gearbox,
as well as on automatic gearboxes fitted to US and
Japanese models.



Code	Type		
03 27 00 10	BMW	53	10

50TX-E12 Socket

size E12

Code	Type		
03 27 00 12	BMW	55	10

50TX-E14 Socket

size E14

Code	Type		
03 27 00 14	BMW	56	10

54TX-T27 Screwdriver BIT

for inside TORX® screws, size T27,
1/2" -drive, use on switchgear of
automatic gearbox 3HP 22, 4HP 22



Code	Type		
03 10 00 27	BMW	72	5

1418 BIT

for inside TORX® screws, size T27,
1/4" -drive, use on switchgear on
automatic gearbox 3HP 22, 4HP 22.



Code	Type		
08 13 00 27	BMW	6	10

Special automotive tools

730N/5

SERVICE-MANOSKOP® torque wrench

10–50 N·m, with tool carrier for insert tools, for tightening ZF switch-gear and adjustment brake belt BW 65 on automatic gearbox, to use with ratchet insert tool No 735/10.



Code	Type	 g	
50 18 10 05	BMW	831	1

735/10

Ratchet insert tool

reversible, 1/2" -drive.



Code	 g	
58 25 00 10	147	1

6547

Special circlip pliers

use on retaining ring on gearbox main shaft (all "GETRAG" and ZF gearboxes S4-18/3).



Code	Type	 g	
65 47 41 70	BMW	154	1

3049-8

INHEX socket

for hexagon socket head screws, size 8 mm, length 24 mm, 3/8" -drive, for use on mounting screws on fluid fly-wheel.



Code	Type	 g	
02 15 24 08	Mercedes-Benz	28	5

51-27

Socket

extra deep, bi-hexagon, size 27 mm, 1/2" -drive, for rotating engine through hexagon on crankshaft.



Code	Type	 g	
03 02 00 27	Mercedes-Benz	294	5

1054-10

INHEX socket

for hexagon socket head screws, size 10 mm, length 140 mm, 1/2" -drive for bolts on car engines.



Code	Type	 g	
03 15 14 10	Mercedes-Benz	150	5

11060-1a

Internal puller

capacity 16–20 mm, for sealing ring and bearing on crankshaft, use with counter stay No 11061-1.



Code	Type	 g	
71 16 00 21	Mercedes-Benz	120	1

11061-1

Counter stay



Code	 g	
71 17 00 11	654	1

11060-2

Internal puller

capacity 20–27 mm, for bearing bush of idler gear on oil pump drive, use with counter stay No 11061-2.



Code	Type	 g	
71 16 00 12	Mercedes-Benz	131	1

11061-2

Counter stay



Code	 g	
71 17 00 12	1500	1

730/2

SERVICE-MANOSKOP® torque wrench

capacity 4–20 N·m.



Code	Type	 g	
50 18 00 02	VW/Audi	315	1

734/5

Square drive insert tool

3/8" -drive, for use with SERVICE-MANOSKOP® torque wrench No 730/2.



Code	Type	 g	
58 24 00 05	VW/Audi	76	1

12717
Pin wrench

offset, distance between pins 18 mm, pin dia. Ø 2.9 mm, length 140 mm, for ring nut of tension pulley on 1.6 l diesel.



Code	Type	g	
44 70 00 18	2/80 Golf, Jetta, Passat, Audi 80	75	10

Special tools miscellaneous

157
Chain exhaust-pipe cutter

infinitely adjustable, with twist handle, also suitable for special steel pipes up to 1.8 mm wall thickness, chain length 270 mm.



Code	mm	g	
60 11 00 01	25-75	705	1

K157
Chain

Code	g	
69 13 00 01	183	1

1225
Special extension

offset, for use on magnetic switch diesel pump.



Code	"	g	
12 25 00 01	3/8	128	5

10614
Hose clip pliers

for self tightening hose clips, nickel-plated.



Code	L mm	g	
76 46 00 00	220	293	1

10615/1
Hose clip pliers CLIC

for CLIC hose clips e.g. Alfa Romeo, Audi, BMW, Opel, Peugeot, VW. Work can be carried out at various angles due to stepless swivelling jaws.



Code	L mm	g	
76 46 00 13	200	189	1

10623/1
Hose clip pliers

registered design, with rotating jaws and multiple locking positions, single-handed use even with wide openings due to variable-geometry joint, especially for 12 and 15 mm wide, large-format hose clips, e.g. for Alfa Romeo, Audi, Citroën, Fiat, Ford, Mercedes-Benz, Opel, Peugeot, Porsche, Renault, VW.



Code	L mm	g	
76 46 00 12	290	414	1

10623/2
Hose clip pliers

registered design, with Bowden cable and multiple locking positions, especially for 12 and 15 mm spring-steel hose clips, suitable for use near cooling and heating systems up to a diameter of 42 mm, access to hard-to-reach places using Bowden cable remote action (length 610 mm), e.g. for Alfa Romeo, Audi, Citroën, Fiat, Ford, Mercedes-Benz, Opel, Peugeot, Porsche, Renault, VW.



Code	L mm	g	
76 54 00 01	300	565	1

Replacement Bowden cable for No 10623/2

Code	g	
79 54 00 01	120	1

10625
Ear clamp pincers

for application of 1 and 2-ear clamps on shaft sleeves, radiator and fuel lines e.g. for Audi, BMW, Ford, GM, Honda, Mazda, Mercedes-Benz, Nissan, Opel, VW, quality steel, black paint finish.



Code	L mm	g	
76 54 00 02	225	340	1

10625/2
Hose clip pliers

for correctly closing hose clips without ears, for shaft sleeves on Audi, Mercedes-Benz, Toyota and VW. Quality steel, nickel-plated, jaws gunmetal finished.



Code	L mm	g	
76 54 00 03	200	173	1

12718
Flat scraper

special steel, for removal of gasket seals on carburettor, valve cover, cylinder head etc.



Code	L mm	g	
72 03 31 01	265	160	5

Special automotive tools



12763 Pull hook for rubber exhaust mountings

with T-bar, chromium-plated, black dip-coated, for pulling rubber loops on exhaust mountings. All cars except Ford.



Code	L mm	 g	
74 20 00 02	210	100	5

12771 Extractor pliers

for removing fixing plugs on door trims, outside trims, rubber bumper covers etc. Joint and jaws made of hardened sheet steel, handles made of shaped sheet steel.



Code	L mm	 g	
76 48 00 01	230	182	1

12975 Fuel hose clamp

capacity up to Ø 20 mm, for stopping fuel flow temporarily.



Code	 g	
74 34 00 01	38	10

1435 BIT

for inside TORX® screws, size T55, 5/16" ●-drive, for screws in rear seats, for use with bit-holder insert tool No 736/40.



Code	Type	 g	
08 14 00 55	BMW: X6 model E71, series 7 model F01/F02	20	10

736/40 BIT holder insert tool

Internal hex drive 5/16", for screws in rear seats, for use with bit No 1435.



Code	Type	 g	
58 26 10 40	BMW: X6 model E71, series 7 model F01/F02	112	1

1445 BIT

for inside TORX® tamper resistant screws, size T30, 1/4" ●-drive, use on sensor screws wheelhouse (models with airbag system).



Code	Type	 g	
08 16 00 30	BMW	6	10

12506-6 Hexagon nut spinner

flexible, size 6 mm, for screws on hose clips of radiator hose, max. tightening torque 8 N·m.



Code	Type	 g	
43 10 32 06	BMW	167	10

440-17 CROW-RING spanner

size 17 mm, 3/8" ○-drive, for use on pipes for air conditioning unit.



Code	Type	 g	
02 19 00 17	Mercedes-Benz	40	1

440-19 CROW-RING spanner

size 19 mm.

Code	 g	
02 19 00 19	40	1

440-22 CROW-RING spanner

size 22 mm.

Code	 g	
02 19 00 22	57	1

440-24 CROW-RING spanner

size 24 mm.

Code	 g	
02 19 00 24	57	1

735/20 Ratchet insert tool

reversible, 1/2" ■-drive, use with SERVICE-MANOSKOP® torque wrench No 730/12 and 730/20, for general service work.



Code	Type	 g	
58 25 00 20	Mercedes-Benz	302	1

730R/5 Quick SERVICE-MANOSKOP® torque wrench

capacity 6–50 N·m, $\frac{3}{8}$ " ■-drive, for general service work.



Code	Type	 g	
96 50 40 05	Mercedes-Benz	945	1

730R/12 Quick SERVICE-MANOSKOP® torque wrench

25–130 N·m, $\frac{1}{2}$ " ■-drive



Code	Type	 g	
96 50 40 12	Mercedes-Benz	1410	1

730R/20 Quick SERVICE-MANOSKOP® torque wrench

40–200 N·m, $\frac{1}{2}$ " ■-drive.



Code	Type	 g	
96 50 40 20	Mercedes-Benz	1555	1

11060-1 Internal puller

Spannweite 12–16 mm, zum Ausziehen von Kugellagern, Dichtringen, Verschlussringen, Lagerbuchsen usw.



Code	Type	 g	
71 16 10 11	Mercedes-Benz	110	1

11060-2 Internal puller

capacity 20–27 mm.

Code	Type	 g	
71 16 00 12	Mercedes-Benz	131	1

11060-3 Internal puller

capacity 27–36 mm.

Code	Type	 g	
71 16 00 13	Mercedes-Benz	365	1

11060-5 Internal puller

capacity 36–46 mm.

Code	Type	 g	
71 16 00 15	Mercedes-Benz	385	1

11060-6 Internal puller

capacity 46–58 mm.

Code	Type	 g	
71 16 00 16	Mercedes-Benz	558	1

11061-1 Counter stay

for Internal Puller No 11060/0–2, for use on bearings, seals and bushes.



Code	 g	
71 17 00 11	654	1

11061-2 Counter stay

for Internal Puller No 11060/3–7.

Code	 g	
71 17 00 12	1500	1

12506-7 Hexagon nut spinner

flexible, size 7 mm, for screws on hose clips of radiator hose, max. tightening torque 8 N·m.



Code	Type	 g	
43 10 32 07	Mercedes-Benz	168	10

10760CV-2,5–17 Hexagon key wrench

Fiat No A 89601 up to A 89611 for hexagon socket head screws, size 2.5 mm up to 17 mm (see page 247).



720Nf/80 Standard-MANOSKOP® torque wrench

capacity 160–800 N·m, $\frac{3}{4}$ " ○-drive.



Code	Type	 g	
50 19 00 81	VW: LT Syncro	6102	1



Special automotive tools



730/5 Quick

SERVICE-MANOSKOP® torque wrench

capacity 5-50 N-m,
for general service work.



Code	Type	g	
50 18 40 05	VW/Audi	805	1

732/10-13

Ring insert tool

size 13 mm, for use with
SERVICE-MANOSKOP®
torque wrench No 730/5.



Code	Type	g	
58 22 10 13	VW/Audi	55	1

735/10

Ratchet insert tool

reversible, 1/2" ■-drive,
for use with SERVICE-MANOSKOP®
torque wrench No 730/5.



Code	Type	g	
58 25 00 10	VW/Audi	147	1

730/20 Quick

SERVICE-MANOSKOP® torque wrench

capacity 40-200 N-m.



Code	Type	g	
50 18 40 20	VW/Audi	1250	1

735/20

Ratchet insert tool

reversible, 1/2" ■-drive,
for use with SERVICE-MANOSKOP®
torque wrench No 730/20.



Code	Type	g	
58 25 00 20	VW/Audi	302	1

730/40 Quick

SERVICE-MANOSKOP® torque wrench

capacity 80-400 N-m.



Code	Type	g	
50 18 40 40	VW/Audi	1880	1

735/40

Ratchet insert tool

reversible, 3/4" ■-drive,
for use with SERVICE-MANOSKOP®
torque wrench No 730/40.



Code	Type	g	
58 25 00 40	VW/Audi	510	1

1421

Bit screwdriver socket

for inside TORX® screws,
outside 1/4" C 6.3 size T45,
length 26 mm, for use on door hinges.
Drive Tools:
f.e. ratchet reversible No 725/4B and
ratchet tap holder No 1820 or
ratchet reversible No 725/4B and
torque wrench.



Code	Type	g	
08 13 00 45	VW: Golf III	8	10

Special tools for HGVs

34c/35c

Wheel braces

DIN 3119/ISO 6788,
forged centre section,
pressed-in extension arms
with extra deep forged socket
heads, Chrome Alloy Steel,
chrome plated.



Code	No	mm/"	L mm	g	
43 03 00 05	34c HGVs	24; 27; 32; 3/4"	700	5053	1
43 03 00 06	35c cars	17; 19; 22; 1/2"	400	2058	1

39

Tyre levers

Handy, sturdy construction,
purposefully shaped,
Chrome Alloy Steel.



Code	No	L mm	g	
74 01 06 00	39/1 HGVs	600	897	5
74 01 06 02	39/2 HGVs	600	1172	5
74 01 06 03	39/3 HGVs	600	915	5
74 01 04 00	39 cars	400	383	5

1068 Air filter claw

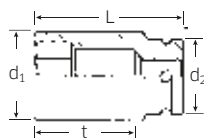
for loosening of filter cartridges on air brakes (trucks).



Code	Clamp. width "	total mm	length of claws mm	g	
7462 00 11	1/2	100-145	85	60	925 1

2509 IMPACT sockets

3/4" O-drive, for power drivers, extra deep, with reduced diameter, Chrome Alloy Steel, gunmetal finish.

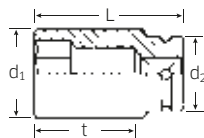


Code	mm	d ₁ mm	d ₂ mm	L mm	t mm	g	
2509 00 27	27	40.5	44	100	72.5	672	2
2509 00 30	30	44.3	44	100	72.5	728	2
2509 00 32	32	46.8	44	100	72	778	2
2509 00 33	33	48	44	100	72	803	2

for Trilex wheels

2609 IMPACT sockets

1" O-drive, for power drivers, extra deep, with reduced outside diameter, Chrome Alloy Steel, gunmetal finish.



Code	mm	d ₁ mm	d ₂ mm	L mm	t mm	g	
2609 00 27	27	42.3	54	110	80	1001	2
2609 00 30	30	46	54	110	79.5	1047	2
2609 00 32	32	48.5	54	110	79	1015	2
2609 00 33	33	49.8	54	110	78.5	1102	2

for wheel nuts

24-17x19 OPEN-RING spanner

bi-hexagon, size 17 x 19 mm, for all threaded connectors on injector pipes.



Code	Type	g	
4108 17 19	Mercedes-Benz	151	10

51-30 Socket

extra deep, bi-hexagon, size 30 mm, 1/2" O-drive, on injector post.



Code	Type	g	
0302 00 30	Mercedes-Benz	341	5

440-27MB CROW-RING spanner

for setting of electronic injection on 440-HP-engines.



Code	Type	g	
0219 10 27	Mercedes-Benz	92	1

3678 4-pin socket

length 72 mm, 1/2" O-drive, for use on pressure nut of injector post.



Code	Type	g	
0381 00 01	Mercedes-Benz	153	5

1054-10 INHEX socket

for hexagon socket head screws, size 10 mm, length 140 mm, 1/2" O-drive, for cylinder head bolts.



Code	Type	g	
0315 14 10	Mercedes-Benz	150	5

3054X-M12 Screwdriver BIT

for tri-square socket head screws (XZN®), size 12, length 140 mm, Ø 11.5 mm, 1/2" O-drive for cylinder head bolts with tri-square socket head M12.



Code	Type	g	
0326 14 12	Mercedes-Benz	160	5

11068-2 Piston ring compressor

of special spring steel, infinitely variable adjustment, c/w adj. spanner, capacity Ø 90-175 mm.



Code	Type	g	
7414 00 03	Mercedes-Benz	270	1

Special automotive tools

55-30 Socket

size 30 mm, hexagon $\frac{3}{4}$ " $\odot$ -drive, for U-bolt nuts, front.



Code	Type	 g	
05 01 00 30	Mercedes-Benz	313	5

55-36 Socket

size 36 mm, for U-bolt nuts, rear.

Code	Type	 g	
05 01 00 36	Mercedes-Benz	386	2

24-10x12 OPEN-RING spanner

hexagon, size 10x12 mm, for general service work.



Code	Type	 g	
41 08 10 12	Mercedes-Benz	59	10

440-30 CROW-RING spanner

size 30 mm, $\frac{1}{2}$ " $\odot$ -drive for use on hydraulic pipe flare nuts.



Code	Type	 g	
03 19 00 30	Mercedes-Benz	155	1

540-19 CROW-FOOT spanner

size 19 mm, for use on new push connector for pneumatic installations on new light-weight truck series.



Code	Type	 g	
02 20 00 19	Mercedes-Benz	64	1

540-24 CROW-FOOT spanner

size 24 mm.

Code	Type	 g	
02 20 00 24		60	1

730R/2

SERVICE-MANOSKOP® torque wrench

capacity 4-20 N-m, $\frac{3}{8}$ " $\blacksquare$ -drive, for use on new push connector for pneumatic installations on new light-weight truck series.



Code	Type	 g	
96 50 20 02	Mercedes-Benz	455	1

730R/40/32 Torque wrench set Quick

32 pieces, in steel case, for general service work.

Content:

- 1 SERVICE-MANOSKOP® No 730/40 Quick, 80-400 N-m,
- 1 ratchet insert tool No 735/20, reversible, $\frac{1}{2}$ " $\blacksquare$ -drive;
- 1 square drive insert tool No 734/20, $\frac{1}{2}$ " $\blacksquare$ -drive;
- 7 o/e insert tools No 731/40, sizes 13, 15, 17, 19, 22, 27, 30 mm
- 1 No 3731/40 size 24 mm;
- 7 ring insert tools No 732/40, sizes 13, 15, 17, 19, 22, 24, 27 mm
- 10 sockets, bi-hexagon No 50, sizes 13, 14, 15, 17, 19, 22, 24, 27, 30, 32 mm
- 4 accessories, $\frac{1}{2}$ " $\odot$ -drive:
 - 1 T-handle No 506
 - 1 extension 255 mm No 509/10
 - 1 extension 130 mm No 509/5
 - 1 extension 55 mm No 509/2



Code	Type	 g	
96 50 20 53	Mercedes-Benz	9739	1

54/12 Set of INHEX sockets

for hexagon socket head screws, in sturdy, stackable ABS plastic case, for general service work.

Content:

- 12 INHEX sockets
- No 54, sizes 4, 5, 6, 7, 8, 10, 12, 14, 17, 19 mm,
- No 3054/8, No 1054/10, $\frac{1}{2}$ " $\odot$ -drive.



Code	Type	 g	
96 03 15 03	Mercedes-Benz	1963	1

721Nf/80 Standard-MANOSKOP® torque wrench

capacity 160-800 N-m, $\frac{3}{4}$ " $\blacksquare$ -drive, for general service work.



Code	Type	 g	
50 20 00 81	Mercedes-Benz	7222	1

The STAHLWILLE KABELEX® range



Plug system	Tools	Private cars											Lorries				Contact size mm	No
		BMW	Fiat	Ford	Mazda	Mercedes-Benz	Opel	PSA	Renault	Volvo	VW/Audi Seat/Skoda Porsche		MAN	Mercedes-Benz	Scania	Volvo		
Round plug systems/ crimp-contacts (The complete tool consists of ejection tool with bush)		•	•			•	•			•	•		•	•		•	Ø 1,5	1501 + 1511
		•	•			•	•			•	•		•	•		•	Ø 3,5	1502 + 1512
													•	•	•	•	Ø 4 ABS	1503 + 1513, 1523
		•				•	•										Ø 2,5	1504 + 1514
			•			•	•	•									Ø 2,3	1505 + 1515
													•	•			Ø 4	1506 + 1516
Round plug systems/ soldered contacts			•	•	•												Ø 1,5 pin contact	1575
						•											Ø 4	1584
			•			•											Ø 2,5	1585
Flat plug systems with 2 or more locking tongues Crimp contacts		•		•		•	•	•	•		•		•				2,8	1551
		•	•	•			•	•	•		•		•				5,8	1552
						•	•	•	•	•	•						1,6	1556
						•					•						9,5 Maxi Power Timer-contacts	1559
							•										2,8 Ducon	1565
							•										1,5 Ducon	1566
													•				VKR box contact	1577
													•			•	MKR/MKS-contacts	1577-1
		•				•											SLK-contacts (primary)	1578K-1
		•				•											SLK-contacts 97 (primary+secondary)	1578K-2
		•				•											LSK-contacts	1589K
						•											1,65 E 95	1587
		•	•	•		•	•	•	•	•	•		•	•	•	•	2,8/5,8 Junior Power Timer-contacts Standard Power Timer-contacts	1591
											•						0,64 MQS asymmetrically	1556-1
											•		•				2,8	1557
Flat plug systems with 2 locking tongues asymmetrical Crimp contacts											•						4,8	1558
		•	•	•	•	•	•	•	•	•	•		•				2,8/5,8	1553
		•						•	•	•							2,8	1554
Flat plug systems with 1 locking tongue Crimp contacts		•						•	•	•							5,8	1555
		•	•	•	•	•	•	•	•	•	•		•	•	•	•	Several Pid-Pod	1562
								•									0,8 Ducon	1563
							•										1,5 Ducon	1564
			•	•	•		•	•	•		•						1,6 Without box	1574
													•				2,8	1576
																		
																		