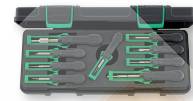


# 10 | SPECIAL AUTOMOTIVE TOOLS

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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

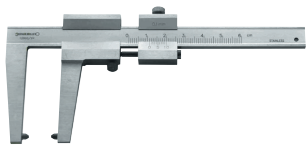
The professionals really appreciate STAHLWILLE products for quickly and accurately removing and fitting car glass. Twin suction lifters and a three-component glass removal set ensure that windscreens and other car glass are easily and safely removed, fitted and transported.



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.



7

**Thick or thin: Measuring the thickness of brake discs**

Checking the state of the brake discs is a valuable contribution to safety on the roads. STAHLWILLE offers a vernier calliper which enables the garage to easily check the discs in situ and compare the dimensions with the manufacturer's instructions.

1



2



3

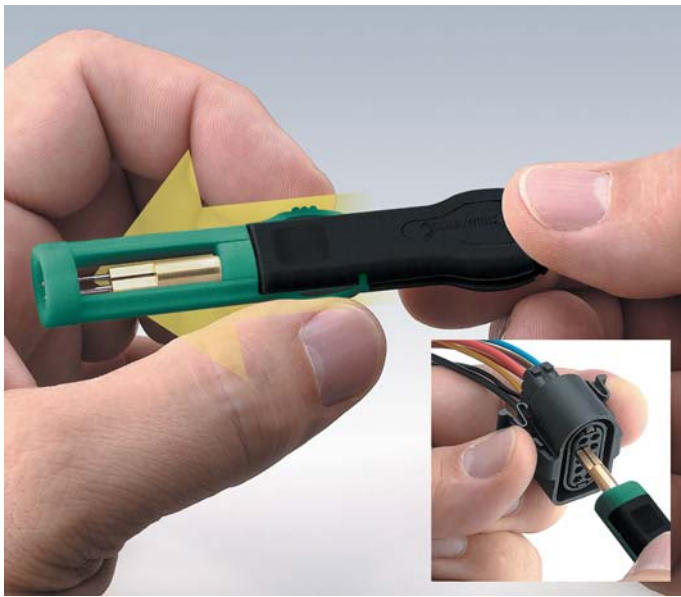


4



5





## STAHLWILLE KABELEX® Protect

For workshops and cable configuration  
(KABELEX® 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.

### 1501-1508 Ejection tools KABELEX®

for round snap-in receptacles, including dismantling sleeve.



Code	No	for contact sizes ∅ mm	g	
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
96 74 62 36	1507 + 1517 (e.g. Scania gears GRS 900)	1.5	72	1
96 74 60 37	1508 + 1518 (e.g. BMW, Mercedes-Benz)	1.5	46	1

### 1511-1518 Dismantling sleeves KABELEX®



Code	No	for contact sizes ∅ mm	L mm	inside ∅ mm	outside ∅ mm	g	
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 MOLEX contacts 4.0 mm)	4.0	35	5.6	6.0	1	10
78 60 00 16	1516-A for No 1506 (for AMP contacts 4.0 mm)	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° slotted)	1.5	32	2.7	3.5	1	5

### 1523 Assembly sleeve KABELEX® ABS

for No 1503



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

### 1551/1552 Cable extractor tools KABELEX®

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



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

### 1553-1555 Cable extractor tools KABELEX®

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



Code	No	for contact sizes □ mm	g	
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 KABELEX®

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	g	
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	📦
<b>7461 2006</b>	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	📦
<b>7462 0007</b>	<b>1557</b>	2.8	21	1
<b>7462 0008</b>	<b>1558</b>	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	📦
<b>7462 0009</b>	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	📦
<b>7462 00 12</b>	various	25	1

### 1572 Cable extractor tool KABELEX®

for flat plug-in sockets with asymmetrically positioned latches in terminals with two release channels, Ford, Renault.



Code	for contact sizes □ mm	△▽ g	📦
<b>7462 00 22</b>	2.8	18	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	📦
<b>7462 00 24</b>	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	📦
<b>7462 00 25</b>	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	📦
<b>7462 00 26</b>	2.8	18	1

### 1577 Cable extractor tool KABELEX®

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



Code	△▽ g	📦
<b>7462 00 27</b>	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	📦
<b>7461 50 27</b>	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	📦
<b>7461 00 28</b>	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	📦
<b>7461 20 28</b>	2.8	35	1

### 1584/1585 Cable extractor tools KABELEX®

for round soldered contacts, Mercedes-Benz.



Code	No	for contact sizes ∅ mm	△▽ g	📦
<b>7462 00 34</b>	<b>1584</b>	4.0	13	1
<b>7462 00 35</b>	<b>1585</b>	2.5	11	1



## Special automotive tools

### 1587 Cable extractor tool KABELEX®

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



Code	for contact sizes □ mm	△ g	□ 1
<b>74620037</b>	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	□ 1
<b>74610039</b>	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	□ 1
<b>74620041</b>	2.8; 5.8	25	1

### 1510 VW/Audi Tool set KABELEX®

11 pieces, for VW/Audi, Seat, Skoda,  
Porsche.

Content:

- No 1501, 1502: ejection tools  
for contact sizes  
∅ 1.5 and 3.5 mm
- No 1511, 1512: dismantling  
sleeves for contact sizes  
∅ 1.5 and 3.5 mm
- No 1553, 1557, 1558, 1591:  
cable extractor tools for contact sizes □ 2.8; 4.8 and 5.8 mm
- No 1556: cable extractor tool for Micro-Timer II, III contacts □ 1.6 mm
- No 1556-1: cable extractor tool for flat plug-in sockets with  
asymmetrically positioned latches in terminals with two release  
channels □ 0.64 mm
- No 1574: cable extractor tool for Micro Timer I contacts □ 1.6 mm



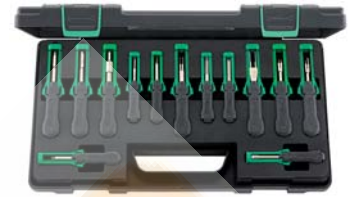
Code	△ g	□ 1
<b>96747203</b>	902	1

### 1520 Mercedes-Benz Tool set KABELEX®

16 pieces, for Mercedes-Benz.

Content:

- No 1501, 1504, 1508: ejection tools  
for contact sizes  
∅ 1.5 and 2.5 mm
- No 1511, 1514, 1518: dismantling  
sleeves for contact sizes  
∅ 1.5 and 2.5 mm
- No 1553, 1591: cable extractor tools for contact sizes  
□ 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 1578K-1: cable extractor tools for SLK contacts (primary) □ 2.8 mm
- No 1578K-2: cable extractor tool for SLK contacts 97 (primary and  
secondary) □ 2.8 mm
- No 1584, 1585: cable extractor tools for soldered contacts with contact  
∅ 2.5 and 4.0 mm
- No 1587: cable extractor tool for flat plug-in sockets,  
E-95 contacts □ 1.65 mm
- No 1589K: cable extractor tool for flat plug-in sockets,  
LSK contacts □ 8 mm



Code	△ g	□ 1
<b>96747204</b>	1998	1

### 1550 BMW Tool set KABELEX®

13 pieces, for BMW.

Content:

- No 1501, 1502, 1504, 1508:  
ejection tools for contact sizes  
∅ 1.5; 3.5 and 2.5 mm
- No 1511, 1512, 1514, 1518:  
dismantling sleeves for contact  
sizes ∅ 1.5; 3.5 and 2.5 mm
- No 1553: cable extractor for plugs  
with single release channel □ 2.8 mm and 5.8 mm
- No 1578K-1: cable extractor for SLK contacts (primary) □ 2.8 mm
- No 1578K-2: cable extractor for SLK contacts 97 (primary and secondary)  
□ 2.8 mm
- No 1591: cable extractor tool for contact sizes □ 2.8 and 5.8 mm
- No 1589K: cable extractor tool for flat plug-in sockets,  
LSK contacts □ 8 mm



Code	△ g	□ 1
<b>96747207</b>	1753	1



Made in  
Germany

### 1700 Tool set KABELEX®

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

- Content:
- No 1501, 1502, 1503, 1506: ejection tools for contact sizes  $\varnothing$  1.5; 3.5; 4.0 (ABS) and 4.0 mm
  - No 1511, 1512, 1513, 1516: dismantling sleeves for contact sizes  $\varnothing$  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  $\square$  2.8 and 5.8 mm
  - No 1576: cable extractor tool for flat plugs without box  $\square$  2.8 mm
  - No 1577: cable extractor tool for VKR Box contacts  $\square$
  - No 1577-1: cable extractor tools for MKR/MKS contacts  $\square$  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  $\varnothing$  1.5 mm
  - 1 each No 1502: ejection tool for contact sizes  $\varnothing$  3.5 mm
  - 1 each No 1503: ejection tool for contact sizes  $\varnothing$  4.0 mm assembly or dismantling sleeve (ABS)
  - 2 each No 1511: dismantling sleeves for contact sizes  $\varnothing$  1.5 mm (1 each mounted)
  - 2 each No 1512: dismantling sleeves for contact sizes  $\varnothing$  3.5 mm (1 each mounted)
  - 2 each No 1513: dismantling sleeves for contact sizes  $\varnothing$  4.0 mm (1 each mounted)
  - 1 each No 1523: assembly sleeve (ABS)



Code	g	
96747201	733	1

### 1720 Tool set KABELEX®

7 pieces, for Renault/PSA (Citroën and Peugeot).

- Content:
- No 1505: ejection tool for contact sizes  $\varnothing$  2.3 mm
  - No 1515: dismantling sleeve for contact sizes  $\varnothing$  2.3 mm
  - No 1553, 1554, 1591: cable extractor tools for contact sizes  $\square$  2.8 and 5.8 mm
  - No 1556: cable extractor tool for Micro-Timer II, III contacts  $\square$  1.6 mm
  - No 1574: cable extractor tool for Micro-Timer I contacts  $\square$  1.6 mm



Code	g	
96747210	567	1

### 1570/1 Basic set KABELEX®

6 pieces.

- Content:
- No 1501, 1502: ejection tools for contact sizes  $\varnothing$  1.5 and 3.5 mm
  - No 1511, 1512: dismantling sleeves for contact sizes  $\varnothing$  1.5 and 3.5 mm
  - No 1553, 1591: cable extractor tools for contact sizes  $\square$  2.8 and 5.8 mm

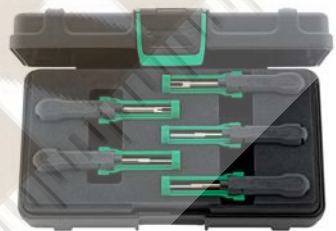


Code	g	
96747303	607	1

### 1590 Tool set KABELEX®

5 pieces, for flat plug-in sockets.

- Content:
- No 1551, 1552: cable extractor tools for flat plug-in sockets  $\square$  2.8 and 5.8 mm in terminals with double release channel
  - No 1553, 1554, 1555: cable extractor tools for contact sizes  $\square$  2.8 and 5.8 mm in terminals with single release channel



Code	g	
96747202	573	1

### 1570/2 Universal set KABELEX®

12 pieces.

- Content:
- No 1501, 1502, 1505: ejection tools for contact sizes  $\varnothing$  1.5; 3.5; 2.3 mm
  - No 1511, 1512, 1515: dismantling sleeves for contact sizes  $\varnothing$  1.5; 3.5; 2.3 mm
  - No 1553: cable extractor tool for plugs with one release channel  $\square$  2.8 and 5.8 mm
  - No 1556: cable extractor tool for Micro-Timer II, III contacts  $\square$  1.6 mm
  - No 1559: cable extractor tool for Maxi-Power Timer contacts  $\square$  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  $\square$  1.6 mm
  - No 1591: cable extractor tool for plugs with two release channels  $\square$  2.8 and 5.8 mm



Code	g	
96747304	962	1

# The STAHLWILLE KABELEX® range



Plug system	Tools	Private cars										Lorries				Contact size mm	No	
		BMW	Fiat	Ford	Mazda	Mercedes-Benz	Opel	PSA	Renault	Volvvo	VW/Audi Seat/Skoda Porsche	MAN	Mercedes-Benz	Scania	Volvvo			
Round plug systems/ crimp-contacts (The complete tool consists of ejection tool with bush)		•	•			•	•			•	•		•	•		•	∅ 1.5	1501 + 1511
		•	•			•	•			•	•		•	•		•	∅ 3.5	1502 + 1512
													•	•	•	•	∅ 4 ABS	1503 + 1513, 1523
		•				•	•										∅ 2.5	1504 + 1514
				•			•	•	•								∅ 2.3	1505 + 1515
													•	•			∅ 4	1506 + 1516
														•			∅ 1.5 long	1507 + 1517
		•					•										∅ 1.5 long	1508 + 1518
Round plug systems/ soldered contacts			•	•	•												∅ 1.5 pin contact	1575
						•											∅ 4	1584
			•			•											∅ 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
													•				For GSK-flat-fuse contacts (1-, 2- and 3-channel plugs, 2, 4 and 6 locking tongues)	1588
		•	•	•		•	•	•	•	•	•		•	•	•	•	2.8/5.8 Junior Power Timer-contacts Standard Power Timer-contacts	1591
Flat plug systems with 2 locking tongues asymmetrical Crimp contacts																	0.64 MQS asymmetrically	1556-1
													•				2.8	1557
				•					•	•							4.8	1558
Flat plug systems with 1 locking tongue Crimp contacts		•	•	•	•	•	•	•	•	•		•					2.8/5.8	1553
		•						•	•	•							2.8	1554
		•						•	•	•							5.8	1555
		•	•	•	•	•	•	•	•	•		•	•	•	•	•	Several Pid-Pod	1562
								•									0.8 Ducon	1563
							•										1.5 Ducon	1564
			•	•	•		•	•	•	•							1.6 Without box	1574
												•					2.8	1576



## Car body repair tools and pullers

### 10775 Dinging hammer



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 02	30/40	300	155	516	2

### 10776 Special planishing hammer

large extra thin faces, square face chequered.



Code	∅ mm	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 10	46	40	320	115	521	2

### 10780 Planishing hammer

short.



Code	∅ mm	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 03	32	25	300	100	346	2

### 10785 Planishing hammer

short, round face chequered.



Code	∅ mm	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 04	40	35	300	96	484	2

### 10790 Pecking hammer

with round face and ball pein.



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 05	18/41	300	158	480	2

### 10795 Pecking hammer

with round face and acorn shaped pein.



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 06	20/41	300	160	461	2

### 10800 Pecking hammer

short, round flat face and pointed pein.



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 07	35	300	135	357	2

### 10805 Pecking hammer

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



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 08	40	300	160	446	2

### 10806 Pecking hammer

extra large thin face and pein.



Code	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 11	40	300	135	382	2

### 10811 Planishing and grooving hammer



Code	∅ mm	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 12	30	36 x 10	320	160	531	2

### 10812 Planishing and grooving hammer



Code	∅ mm	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g	
70 13 00 13	30	25 x 5	300	115	344	2

## Special automotive tools

### 10830 Dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210001	80/100	70/45	65	1429	1

### 10832 Planishing anvil



Code	faces/mm	$\Delta$ g	
70210015	85 x 55 / 45 x 40	1146	1

### 10835 Wedge dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210002	130	55	32	958	1

### 10838 Anvil dolly



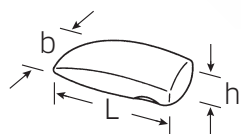
Code	L mm	b mm	h mm	$\Delta$ g	
70210003	75	60	50	1068	1

### 10840 Special anvil dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210004	70	57	70	1244	1

### 10841 Thin dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210005	107	66	28	984	1

### 10842 Diabolo dolly



Code	$\varnothing$ mm	h mm	$\Delta$ g	
70210006	57	60	658	1

### 10845 Toe dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210008	120	55	22	770	1

### 10850 Anvil block

axe shape.



Code	L mm	b mm	h mm	$\Delta$ g	
70210009	65/50	25/8	140	863	1

### 10855 Universal anvil dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210010	70/60	50/45	58	1200	1

### 10861 Toe dolly

chequered surface.



Code	L mm	b mm	h mm	$\Delta$ g	
70210014	120	55	30	1033	1

### 10865 Heel dolly



Code	L mm	b mm	h mm	$\Delta$ g	
70210012	80	60	35	1070	1

### 10866 Dolly

with three flat and three shaped faces.



Code	L mm	b mm	h mm	$\Delta$ g	
70210016	115	48	48	1504	1

### 10880 Bumping spoon



Code	L <sub>1</sub> mm	L <sub>2</sub> mm	⚖ g	📦
<b>70 22 0001</b>	460	200	1866	1

L<sub>1</sub> = length overall  
L<sub>2</sub> = working length

### 10885 Bumping spoon



Code	L mm	⚖ g	📦
<b>70 22 0002</b>	500	2210	1

### 10890 Body spoon



Code	L <sub>1</sub> mm	L <sub>2</sub> mm	⚖ g	📦
<b>70 22 0003</b>	270	130	520	1

### 10895 Body spoon



Code	L <sub>1</sub> mm	L <sub>2</sub> mm	⚖ g	📦
<b>70 22 0004</b>	390	200	1035	1

L<sub>1</sub> = length overall  
L<sub>2</sub> = working length

### 10900 Flange tool

with leather cap.



Code	L mm	⚖ g	📦
<b>70 22 0005</b>	400	1150	1

### 11005 Pry bar

head and point polished.



Code	L mm	∅ mm	⚖ g	📦
<b>72 09 0000</b>	400	14	477	6

### 11006 Lever bar

special steel, bright nickel-plated.



Code	L mm	W mm	⚖ g	📦
<b>72 09 0002</b>	400	14	498	6

### 11007 Lever bar

special steel, bright nickel-plated.



Code	L mm	W mm	⚖ g	📦
<b>72 09 0003</b>	400	17	641	6

### 10905 Body file holder

with coarse blade.



Code	L mm	b mm	h mm	⚖ g	📦
<b>72 16 0000</b>	365	35	110	765	2

L = Length, b = Width, h = Height

### 10923 Body file holder

wooden, for flat blades.



Code	L mm	⚖ g	📦
<b>72 20 0002</b>	530	300	1

### 10906-10916 Spare blades for No 10905 and No 10923



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

### 10922 Body file holder

wooden,  
for half round radius file blades.



Code	L mm	⚖ g	📦
<b>72 20 0001</b>	530	260	1

### 10917/10921 File blades for No 10922



Code	No		teeth per inch	L mm	⚖ g	📦
<b>79 06 0014</b>	<b>10917*</b>	coarse, without swarf breaker, half round, angled cut	9	350	208	5
<b>79 06 0004</b>	<b>10921</b>	coarse, without swarf breaker, half round, radial cut	9	350	216	5

\* to be discontinued

## 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	☐
<b>75 23 00 01</b>	<b>L<sup>1)</sup></b>	260	10 1/2	532	1
<b>75 23 00 02</b>	<b>R<sup>2)</sup></b>	260	10 1/2	532	1

<sup>1)</sup> left hand cutting    <sup>2)</sup> 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	☐
<b>75 24 00 01</b>	<b>L<sup>1)</sup></b>	260	10 1/2	473	1
<b>75 24 00 02</b>	<b>R<sup>2)</sup></b>	260	10 1/2	473	1

<sup>1)</sup> left hand cutting    <sup>2)</sup> 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	☐
<b>72 26 00 01</b>	72	19	5

### 12728 Replacement milling cutter



Code	L mm	△△ g	☐
<b>79 26 00 01</b>	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	☐
<b>72 27 00 07</b>	<b>12729</b>	7	18	5
<b>72 27 00 08</b>	<b>12730</b>	8	24	5

### 10998 Panel beating set

17 pieces, in steel case No 83/09.  
Content:  
Hammers: No 10775; 10785; 10790;  
10811; 10950; 10955/35  
Dollies: No 10830; 10835; 10840;  
10850; 10861  
Pliers: No 10910; 10930  
Special Spoons: No 10890; 10895;  
10900  
Body File Holder: No 10905  
Padlock: No 12932



Code	△△ kg	☐
<b>98 81 21 01</b>	18.3	1

## Tools for vehicle doors

### 12770 Lever bar

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



Code	L mm	△△ g	☐
<b>74 59 11 01</b>	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	☐
<b>74 59 01 02</b>	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	☐
<b>74 59 00 03</b>	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	
<b>74 28 00 01</b>	1405	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	
<b>74 28 00 05</b>	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	
<b>79 27 00 11</b>	50	170	1

### 10350N Windscreen replacement set VERITRAC

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



Code	g	
<b>98 74 27 11</b>	1760	1

### 10351/1 Draw handle

for drawing cutting wire through adhesive seal.



Code	g	
<b>74 27 00 01</b>	90	1



### 10351N Windscreen removal set VERITRAC

as 10350N, but without double suction lifters.



Code	g	
<b>96 74 27 11</b>	458	1



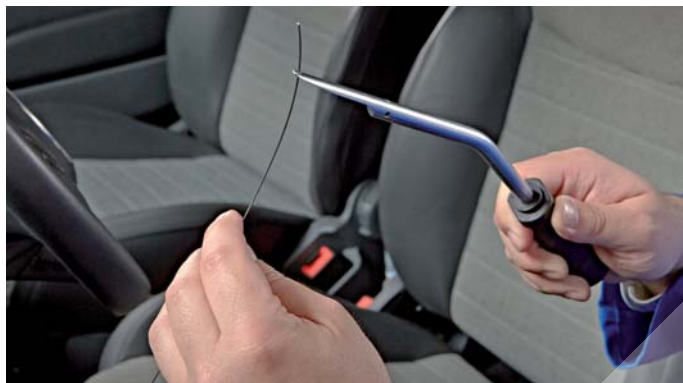
## Special automotive tools

### 10351/2 Guide handle

for fixing and clamping cutting wire inside vehicle.



Code	g	g	g
74 27 00 02	195	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 01 02	69	2	

### 12718 Flat scraper

for removing residues of sealant and adhesive.



Code	L mm	g	g
72 03 11 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	52	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 11 01	460	458	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	g	g
74 27 00 03	25	4500	310	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 92KM G, Tool trolleys No 90, 95, 95VA, 98VA; Magazine case No 920 and Wheely box No 922N.

Code	kg
<b>98 83 0001</b>	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**

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

	<b>No 415</b>	1/4"
	<b>No 10760CV</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm
	<b>No 52</b>	1/2"  sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
	<b>No 506</b>	1/2"  300 mm
	<b>No 509/2</b>	1/2"   52 mm
	<b>No 509/5</b>	1/2"   130 mm
	<b>No 509/10</b>	1/2"   255 mm
	<b>No 510</b>	1/2"   71 mm
	<b>No 512</b>	1/2"
	<b>No 4620</b>	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)
	<b>No 4630</b>	sizes 1; 2; 3
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 200</b>	
	<b>No 65 43 4 002</b>	
	<b>No 65 45 4 002</b>	
	<b>No 65 51 6 240</b>	
	<b>No 65 64 2 250</b>	
	<b>No 66 02 5 160</b>	
	<b>No 102</b>	175 mm
	<b>No 108</b>	150 x 6; 175 x 6 mm
	<b>No 109</b>	size 6; 100 x 3.4 mm
	<b>No 10956</b>	∅ 35 mm
	<b>No 10960</b>	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 92KM G, Tool trolleys No 90, 95, 95VA, 98VA, Magazine case No 920 and Wheely box No 922N.

Code	kg
<b>98830004</b>	12.53



**96838175**



**96838176**



**96838177**



**96838278**



**96838179**



**96838180**



**96838181**



**96838182**

<b>No 10</b>	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
<b>No 13</b>	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
<b>No 40</b>	1/4" $\odot$ sizes 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
<b>No 400</b>	1/4" $\blacksquare$ 150 mm
<b>No 404</b>	1/4" $\blacksquare$ 116 mm
<b>No 405/2</b>	1/4" $\blacksquare$ $\odot$ 54 mm
<b>No 405/6</b>	1/4" $\blacksquare$ $\odot$ 150 mm
<b>No 407</b>	1/4" $\blacksquare$ $\odot$ 38 mm
<b>No 412</b>	1/4" $\odot$ $\odot$
<b>No 415</b>	1/4" $\blacksquare$

<b>No 10760CV</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm
<b>No 52</b>	1/2" $\odot$ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
<b>No 506</b>	1/2" $\blacksquare$ 300 mm
<b>No 509/2</b>	1/2" $\blacksquare$ $\odot$ 52 mm
<b>No 509/5</b>	1/2" $\blacksquare$ $\odot$ 130 mm
<b>No 509/10</b>	1/2" $\blacksquare$ $\odot$ 255 mm
<b>No 510</b>	1/2" $\blacksquare$ $\odot$ 71 mm
<b>No 512</b>	1/2" $\blacksquare$
<b>No 4620</b>	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)
<b>No 4630</b>	sizes 1; 2; 3
<b>No 65 01 5 180</b>	
<b>No 65 29 5 200</b>	
<b>No 65 43 4 002</b>	
<b>No 65 45 4 002</b>	
<b>No 65 51 6 240</b>	
<b>No 65 64 2 250</b>	
<b>No 66 02 5 160</b>	
<b>No 102</b>	175 mm
<b>No 108</b>	150 x 6; 175 x 6 mm
<b>No 109</b>	size 6; 100 x 3.4 mm
<b>No 10956</b>	$\varnothing$ 35 mm
<b>No 10960</b>	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
<b>97830600</b>	23.7



**96838192**



**96830679**



**96830605**



**96830602**

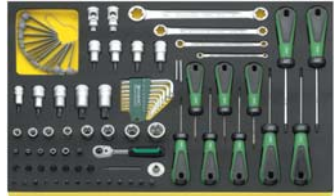




96 83 06 03



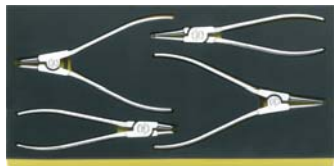
96 83 81 77



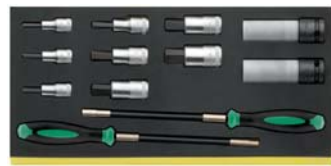
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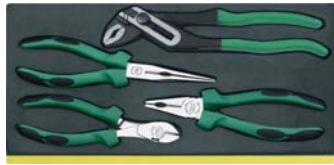
96 83 07 06



96 83 06 08



96 83 06 04



96 83 06 22









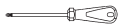



















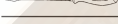



96 83 06 09

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

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

Continuation see next page

## Special automotive tools

	<b>No 10766/9</b>	sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
		TORX® controller
	<b>No 4628</b>	size 1 (0.4 x 2.5 x 60 mm)
	<b>No 4724</b>	size 2 (1.0 x 5.5 x 25 mm)
	<b>No 4734</b>	size 2
	<b>No 4744</b>	size 1
	<b>No 4820</b>	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
	<b>No 4830</b>	sizes 1; 2; 3
	<b>No 4840</b>	size 1
	<b>No 10767/9</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 200</b>	
	<b>No 65 43 4 002</b>	
	<b>No 65 44 4 021</b>	
	<b>No 65 45 4 002</b>	
	<b>No 65 46 4 021</b>	
	<b>No 65 64 2 250</b>	
	<b>No 65 72 6 240</b>	
	<b>No 66 02 5 160</b>	
	<b>No 102</b>	200 mm
	<b>No 103</b>	150 mm
	<b>No 105</b>	120 x 10 mm
	<b>No 108</b>	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	<b>No 10957</b>	∅ 40 mm
	<b>No 10960</b>	500 g
	<b>No 12373</b>	
	<b>No 12600</b>	500 g
	<b>No 12718</b>	
	<b>No 12922E</b>	
	<b>No 12931</b>	3 m
	<b>No 39 cars</b>	400 mm
	<b>No 7756</b>	

## 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
<b>97 83 06 06</b>	23.3



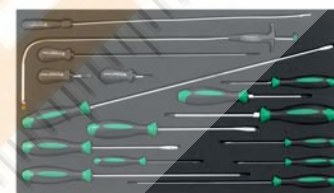
96 83 20 96



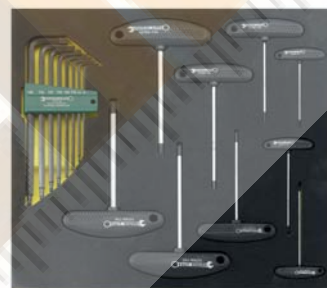
96 83 20 95



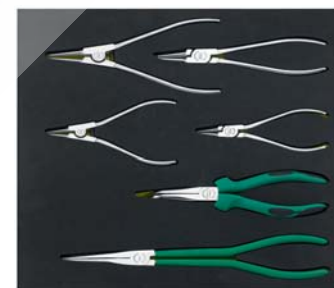
96 83 20 97



96 83 20 98



96 83 20 99



96 83 21 00









96 83 21 01





























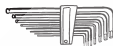






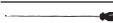
























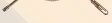

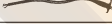
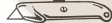
96 83 21 02



96 83 06 22

	<b>No 10</b>	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
	<b>No 13</b>	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
	<b>No 40</b>	1/4" ∅ sizes 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	<b>No 44K</b>	1/4" ∅, ∅ 3; 4; 5; 6; 8 mm
	<b>No 400</b>	1/4" ■ 150 mm
	<b>No 404</b>	1/4" ■ 116 mm

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

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

## 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

## 3026N/1 TCS Tool set for Mercedes-Benz cars



279 tools, in TCS inlay (Tool Control System see page 53-71),  
5x1/3, 5x2/3 and 3x3/3 inlays for 8 drawers (No 98VA for 4 drawers).

Code	△ kg
97830008	26.6



96830167



96830217



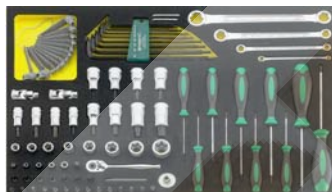
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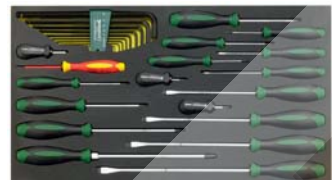
96830163



96838179



96830323



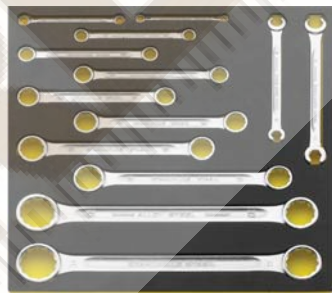
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96830226



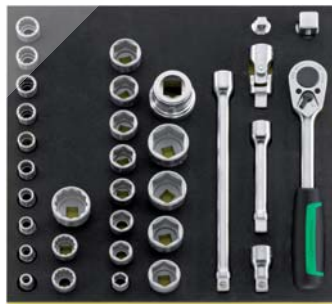
96830164



96830165



96830166



96830219



96830227

	<b>No 10</b>	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 mm
	<b>No 13</b>	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
	<b>No 20</b>	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
	<b>No 21</b>	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; 27 x 32; 30 x 34 mm
	<b>No 24</b>	sizes 10 x 11; 12 x 14 mm
	<b>No 40</b>	1/4"  sizes 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	<b>No 41K</b>	1/4"   0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
	<b>No 44K</b>	1/4"   3; 4; 5; 6; 8 mm
	<b>No 44P</b>	1/4"   sizes 1; 2; 3; 4
	<b>No 400</b>	1/4"  150 mm
	<b>No 404</b>	1/4"  116 mm
	<b>No 405/2</b>	1/4"   54 mm
	<b>No 405/6</b>	1/4"   150 mm
	<b>No 407</b>	1/4"   38 mm
	<b>No 409</b>	3/8"  1/4"
	<b>No 412</b>	1/4"
	<b>No 415</b>	1/4"
	<b>No 456</b>	3/8"  sizes 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
	<b>No 427/3</b>	3/8"   76 mm
	<b>No 427/5</b>	3/8"   125 mm
	<b>No 427/10</b>	3/8"   240 mm
	<b>No 428</b>	3/8"   46 mm
	<b>No 431</b>	1/4"   3/8"
	<b>No 432</b>	1/2"   3/8"
	<b>No 435</b>	3/8"
	<b>No 50</b>	1/2"  sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm
	<b>No 52</b>	1/2"  sizes 12; 17; 18; 19; 20; 21; 22; 24; 25; 27; 30; 32 mm
	<b>No 509/2</b>	1/2"   52 mm
	<b>No 509/5</b>	1/2"   130 mm
	<b>No 509/10</b>	1/2"   255 mm
	<b>No 510</b>	1/2"   71 mm
	<b>No 512</b>	1/2"
	<b>No 513</b>	3/8"  1/2"
	<b>No 514</b>	3/4"  1/2"
	<b>No 54</b>	1/2"  sizes 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

	<b>No 55</b>	3/4" $\bigcirc$ size 36 mm
	<b>No 2309K</b>	1/2" $\bigcirc$ sizes 17; 19 mm
	<b>No 12506</b>	sizes 6; 7 mm
	<b>No 21TX</b>	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	<b>No 40TX</b>	1/4" $\bigcirc$ sizes E4; E5; E6; E7; E8
	<b>No 44KTXB</b>	1/4" $\bigcirc$ sizes T10; T15; T20; T25; T27; T30; T40
	<b>No 45TX</b>	3/8" $\bigcirc$ sizes E10; E12; E14
	<b>No 47TX</b>	3/8" $\bigcirc$ sizes E8; E10
	<b>No 49TX</b>	3/8" $\bigcirc$ size T40
	<b>No 49X</b>	3/8" $\bigcirc$ sizes M6; M8; M10
	<b>No 50TX</b>	1/2" $\bigcirc$ sizes E11; E16; E18; E20; E24
	<b>No 54TX</b> <b>No 54TXB</b>	1/2" $\bigcirc$ sizes T45; T50; T55; T60 1/2" $\bigcirc$ sizes T30; T40; T45; T50
	<b>No 409M</b>	3/8" $\blacksquare$ 1/4" $\bigcirc$
	<b>No 415SGB</b>	1/4" $\bigcirc$
	<b>No 1410</b>	size T6
	<b>No 1411</b>	size T7
	<b>No 1412</b>	size T8
	<b>No 1413</b>	size T9
	<b>No 1440</b>	size T10
	<b>No 1441</b>	size T15
	<b>No 1442</b>	size T20
	<b>No 1443</b>	size T25
	<b>No 1444</b>	size T27
	<b>No 1445</b>	size T30
	<b>No 1446</b>	size T40
	<b>No 1427</b>	size T25 (65 mm)
	<b>No PZ1221</b> <b>No PZ1222</b> <b>No PZ1223</b>	size 1 (2x) size 2 (2x) size 3
	<b>No 3115/1</b>	1/4" $\blacksquare$ $\blacklozenge$
	<b>No 4650</b>	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	<b>No 10766</b>	sizes T6; T7
	<b>No 10771/8</b>	sizes T9; T10; T15; T20; T25; T27; T30; T40
		TORX® controller
	<b>No 4620</b>	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) 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 250 mm)
	<b>No 4628</b>	size 1 (0.4 x 2.5 x 60 mm)
	<b>No 4630</b>	size 1; 2; 3
	<b>No 4632</b>	size 4
	<b>No 4640</b>	sizes 0; 1; 2
	<b>No 4660 VDE</b>	size 1 (0.4 x 2.5 x 75 mm)
	<b>No 4724</b>	size 2 (1.0 x 5.5 x 25 mm)
	<b>No 4734</b> <b>No 4744</b>	size 2 size 1
	<b>No 10767/9</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 200</b>	
	<b>No 65 51 6 240</b>	

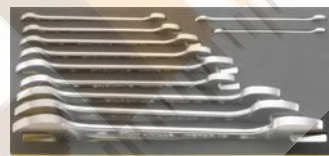
	<b>No 65 64 2 175</b>	
	<b>No 66 02 5 160</b>	
	<b>No 102</b>	200 mm
	<b>No 103</b>	150 mm
	<b>No 105</b>	120 x 10 mm
	<b>No 108</b>	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8; 200 x 8 mm
	<b>No 10672</b>	20 x 315; 25 x 365 mm
	<b>No 10957</b>	$\varnothing$ 40 mm
	<b>No 10960</b>	500; 800 g
	<b>No 12377</b>	
	<b>No 12600</b>	3000 g
	<b>No 12718</b>	

### 3022N/1 TCS Tool set for Mercedes-Benz HGVs



308 tools, in TCS inlay (Tool Control System see page 53-71), 6x1/3, 2x2/3 and 7x3/3 inlays for 11 drawers (No 98VA for 6 drawers).

Code	$\Delta$ kg
<b>9783 0009</b>	47.3



**96 83 01 67**



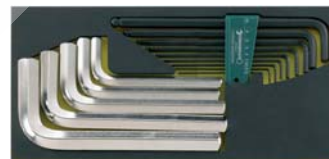
**96 83 02 17**



**96 83 02 18**



**96 83 01 72**



**96 83 02 25**



**96 83 81 79**



**96 83 02 22**



**96 83 03 24**



**96 83 02 21**



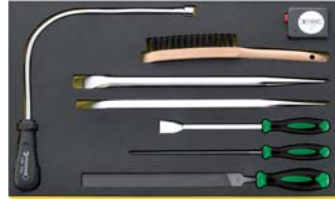
**96 83 11 79**

Continuation see next page

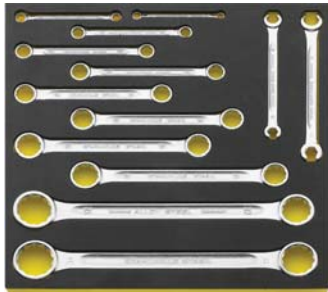
## Special automotive tools



96830177



96830178





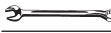






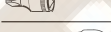



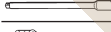



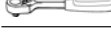

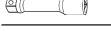
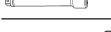


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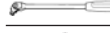


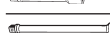








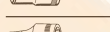
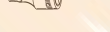
















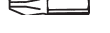

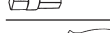

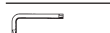
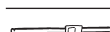



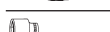







96830166



96830220

	<b>No 10</b>	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 mm
	<b>No 13</b>	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm
	<b>No 14</b>	size 24 mm
	<b>No 20</b>	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
	<b>No 21</b>	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; 27 x 32; 30 x 34 mm
	<b>No 24</b>	sizes 10 x 11; 12 x 14 mm
	<b>No 40</b>	1/4" $\bigcirc$ sizes 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	<b>No 41K</b>	1/4" $\bigcirc$ , $\ominus$ 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
	<b>No 44K</b>	1/4" $\bigcirc$ , $\hexagon$ 3; 4; 5; 6; 8 mm
	<b>No 44P</b>	1/4" $\bigcirc$ , $\oplus$ sizes 1; 2; 3; 4
	<b>No 400</b>	1/4" $\blacksquare$ 150 mm
	<b>No 404</b>	1/4" $\blacksquare$ 116 mm
	<b>No 405/2</b>	1/4" $\blacksquare$ $\bigcirc$ 54 mm
	<b>No 405/6</b>	1/4" $\blacksquare$ $\bigcirc$ 150 mm
	<b>No 407</b>	1/4" $\blacksquare$ $\bigcirc$ 38 mm
	<b>No 409</b>	3/8" $\blacksquare$ 1/4" $\bigcirc$
	<b>No 412</b>	1/4" $\bigcirc$ $\bigcirc$
	<b>No 415</b>	1/4" $\blacksquare$
	<b>No 456</b>	3/8" $\bigcirc$ sizes 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
	<b>No 427/3</b>	3/8" $\blacksquare$ $\bigcirc$ 76 mm
	<b>No 427/5</b>	3/8" $\blacksquare$ $\bigcirc$ 125 mm
	<b>No 427/10</b>	3/8" $\blacksquare$ $\bigcirc$ 240 mm
	<b>No 428</b>	3/8" $\blacksquare$ $\bigcirc$ 46 mm

	<b>No 431</b>	1/4" $\blacksquare$ 3/8" $\bigcirc$
	<b>No 432</b>	1/2" $\blacksquare$ 3/8" $\bigcirc$
	<b>No 435</b>	3/8" $\blacksquare$
	<b>No 50</b>	1/2" $\bigcirc$ sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm
	<b>No 52</b>	1/2" $\bigcirc$ sizes 12; 17; 18; 19; 20; 21; 22; 24; 25; 27; 30; 32 mm
	<b>No 504/15</b>	1/2" $\blacksquare$ 397 mm
	<b>No 506</b>	1/2" $\blacksquare$ 300 mm
	<b>No 509/2</b>	1/2" $\blacksquare$ $\bigcirc$ 52 mm
	<b>No 509/5</b>	1/2" $\blacksquare$ $\bigcirc$ 130 mm
	<b>No 509/10</b>	1/2" $\blacksquare$ $\bigcirc$ 255 mm (2 x)
	<b>No 510</b>	1/2" $\blacksquare$ $\bigcirc$ 71 mm
	<b>No 512</b>	1/2" $\blacksquare$
	<b>No 54</b>	1/2" $\bigcirc$ sizes 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
	<b>No 51IMP</b>	1/2" $\bigcirc$ sizes 24; 27 mm
	<b>No 2309</b>	1/2" $\bigcirc$ size 22 mm
	<b>No 2309K</b>	1/2" $\bigcirc$ sizes 17; 19 mm
	<b>No 21TX</b>	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	<b>No 40TX</b>	1/4" $\bigcirc$ sizes E4; E5; E6; E7; E8
	<b>No 44KTXB</b>	1/4" $\bigcirc$ sizes T10; T15; T20; T25; T27; T30; T40
	<b>No 45TX</b>	3/8" $\bigcirc$ sizes E10; E12; E14
	<b>No 49TX</b>	3/8" $\bigcirc$ size T40
	<b>No 49X</b>	3/8" $\bigcirc$ sizes M6; M8; M10
	<b>No 50TX</b>	1/2" $\bigcirc$ sizes E11; E16; E18; E20; E24
	<b>No 54TX</b>	1/2" $\bigcirc$ sizes T45; T50; T55; T60
	<b>No 54TXB</b>	1/2" $\bigcirc$ sizes T30; T40; T45; T50
	<b>No 409M</b>	3/8" $\blacksquare$ 1/4" $\bigcirc$
	<b>No 415SGB</b>	1/4" $\bigcirc$
	<b>No 1410</b>	size T6
	<b>No 1411</b>	size T7
	<b>No 1412</b>	size T8
	<b>No 1413</b>	size T9
	<b>No 1440</b>	size T10
	<b>No 1441</b>	size T15
	<b>No 1442</b>	size T20
	<b>No 1443</b>	size T25
	<b>No 1444</b>	size T27
	<b>No 1445</b>	size T30
	<b>No 1446</b>	size T40
	<b>No 1427</b>	size T25 (65 mm)
	<b>No PZ1221</b>	size 1 (2x)
	<b>No PZ1222</b>	size 2 (2x)
	<b>No PZ1223</b>	size 3
	<b>No 3115/1</b>	1/4" $\blacksquare$ $\hexagon$
	<b>No 4650</b>	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	<b>No 10766</b>	sizes T6; T7
	<b>No 10771/8</b>	sizes T9; T10; T15; T20; T25; T27; T30; T40
		TORX® controller
	<b>No 55</b>	3/4" $\bigcirc$ sizes 22; 24; 27; 30; 32; 34; 36; 38; 41; 46; 50 mm
	<b>No 552</b>	3/4" $\blacksquare$
	<b>No 556</b>	3/4" $\blacksquare$

	<b>No 559/8</b>	3/4" ■ ○ 200 mm
	<b>No 559/16</b>	3/4" ■ ○ 400 mm
	<b>No 558</b>	510 mm
	<b>No 568</b>	1/2" ■ 3/4" ○
	<b>No 4620</b>	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) 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)
	<b>No 4628</b>	size 1 (0.4 x 2.5 x 60 mm)
	<b>No 4630</b>	sizes 1; 2; 3
	<b>No 4632</b>	size 4
	<b>No 4640</b>	sizes 0; 1; 2
	<b>No 4660 VDE</b>	size 1 (0.4 x 2.5 x 75 mm)
	<b>No 4724</b>	size 2 (1.0 x 5.5 x 25 mm)
	<b>No 4734</b>	size 2
	<b>No 4744</b>	size 1
	<b>No 10760CV</b>	sizes 12; 14; 17; 19; 22 mm
	<b>No 10767/9</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 200</b>	
	<b>No 65 51 6 240</b>	
	<b>No 66 02 5 160</b>	
	<b>No 102</b>	200; 300 mm
	<b>No 103</b>	175 mm
	<b>No 105</b>	120 x 12 mm
	<b>No 108</b>	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	<b>No 10957</b>	∅ 50 mm
	<b>No 10960</b>	500; 800; 1000 g
	<b>No 11006</b>	400 mm
	<b>No 11007</b>	400 mm
	<b>No 12025</b>	210 mm
	<b>No 12036</b>	260 mm
	<b>No 12374</b>	
	<b>No 12600</b>	3000 g
	<b>No 12718</b>	
	<b>No 12931</b>	3 m

## 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



## 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).

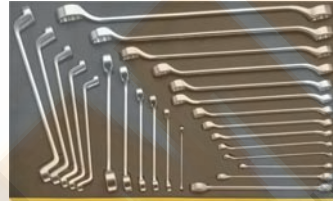
Code	∆ kg
<b>9783 04 11</b>	24.7



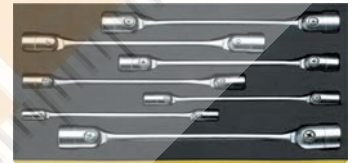
**96 83 01 92**



**96 83 01 93**



**96 83 01 94**



**96 83 01 95**



**96 83 11 96**



**96 83 01 97**

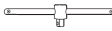








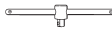

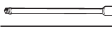


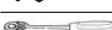


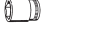




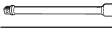
















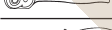




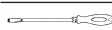




















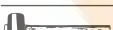




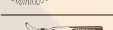
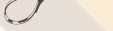

**96 83 01 98**

	<b>No 12</b>	sizes 5.5; 12; 14 mm (2x)
	<b>No 13</b>	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)
	<b>No 14</b>	size 17 mm
	<b>No 20</b>	sizes 10 x 11; 12 x 13; 14 x 15; 17 x 19; 19 x 22 mm
	<b>No 23</b>	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
	<b>No 24</b>	sizes 8 x 10; 11 x 13; 12 x 14; 17 x 19; 22 x 24 mm
	<b>No 29</b>	sizes 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm
	<b>No 40</b>	1/4" ○ sizes 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
	<b>No 44</b>	1/4" ○ sizes 3; 4; 5; 6 mm
	<b>No 400</b>	1/4" ■ 150 mm

Continuation see next page

## Special automotive tools

	<b>No 404</b>	1/4" ■ 116 mm
	<b>No 405/6</b>	1/4" ■ ○ 150 mm
	<b>No 407</b>	1/4" ■ ○ 38 mm
	<b>No 409M</b>	3/8" ■ 1/4" ○
	<b>No 415</b>	1/4" ■
	<b>No 45</b>	3/8" ○ sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	<b>No 46</b>	3/8" ○ size 20.8 mm-13/16"
	<b>No 49</b>	3/8" ○ sizes 4; 5; 6; 7; 8; 10 mm
	<b>No 425</b>	3/8" ■ 165 mm
	<b>No 427/3</b>	3/8" ■ ○ 76 mm
	<b>No 427/10</b>	3/8" ■ ○ 240 mm
	<b>No 428</b>	3/8" ■ ○ 46 mm
	<b>No 432M</b>	1/2" ■ 3/8" ○
	<b>No 435</b>	3/8" ■
	<b>No 50</b>	1/2" ○ sizes 19; 21; 22; 24; 27; 30; 32 mm
	<b>No 52</b>	1/2" ○ sizes 16; 17; 18; 19; 22; 24; 27; 30; 32 mm
	<b>No 54</b>	1/2" ○ sizes 6; 7; 8; 10 mm
	<b>No 54X</b>	1/2" ○ sizes M6; 8; 12; 14
	<b>No 506</b>	1/2" ■ 300 mm
	<b>No 509/5</b>	1/2" ■ ○ 130 mm
	<b>No 509/10</b>	1/2" ■ ○ 255 mm
	<b>No 510</b>	1/2" ■ ○ 71 mm
	<b>No 512</b>	1/2" ■
	<b>No 514M</b>	3/4" ■ 1/2" ○
	<b>No 21TX</b>	sizes E6 x E8; E10 x E12; E14 x E18; E20 x E24
	<b>No 40TX</b>	1/4" ○ sizes E4; E5; E6; E7; E8
	<b>No 45TX</b>	3/8" ○ sizes E10; E12; E14
	<b>No 50TX</b>	1/2" ○ sizes E11; E16; E18; E20; E24
	<b>No 54TX</b>	1/2" ○ sizes T45; T50; T55; T60
	<b>No 1410</b>	size T6
	<b>No 1411</b>	size T7
	<b>No 1412</b>	size T8
	<b>No 1413</b>	size T9
	<b>No 1440</b>	size T10
	<b>No 1441</b>	size T15
	<b>No 1442</b>	size T20
	<b>No 1443</b>	size T25
	<b>No 1444</b>	size T27
	<b>No 1445</b>	size T30
	<b>No 1446</b>	size T40
	<b>No 1427</b>	size T25 (65 mm)
	<b>No 415SGB</b>	1/4" ○
	<b>No 4650</b>	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	<b>No 10766/9</b>	sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
	<b>No 4622</b>	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)
	<b>No 4630</b>	size 1
	<b>No 4632</b>	size 3

	<b>No 4724</b>	size 2 (1.0 x 5.5 x 25 mm)
	<b>No 4734</b>	size 2
	<b>No 10760CV/9</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	<b>No 65 01 6 180</b>	
	<b>No 65 43 4 002</b>	
	<b>No 65 45 4 002</b>	
	<b>No 65 46 4 021</b>	
	<b>No 65 51 6 240</b>	
	<b>No 66 02 6 160</b>	
	<b>No 100</b>	150 mm
	<b>No 103</b>	150 mm
	<b>No 104</b>	120 x 4; 120 x 6 mm
	<b>No 105</b>	120 x 12 mm
	<b>No 108</b>	150 x 4 mm
	<b>No 10670</b>	265 mm
	<b>No 10940</b>	∅ 55 mm
	<b>No 10955</b>	∅ 35 mm
	<b>No 10960</b>	300; 500 g
	<b>No 11095/20</b>	20 blades 0.05-1 mm
	<b>No 12005</b>	
	<b>No 12036</b>	260 mm
	<b>No 12321</b>	
	<b>No 12905</b>	
	<b>No 12931</b>	3 m



STAHLWILLE's **Tool Trolley 95VA** now features even better safety and more sophisticated details.



## 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
<b>97 83 08 20</b>	30



**96 83 16 08**



**96 83 16 15**



**96 83 16 13**



**96 83 15 85**



**96 83 16 09**



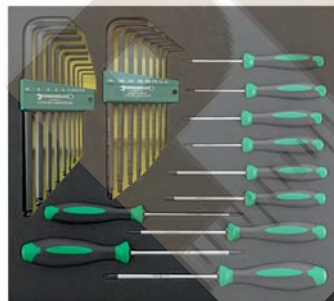
**96 83 08 77**



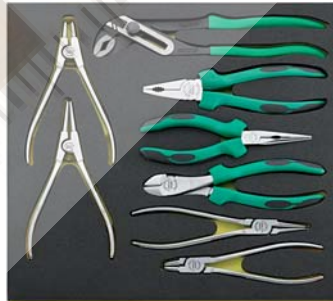
**96 83 16 10**



**96 83 01 66**



**96 83 16 14**



**96 83 15 84**




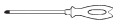
















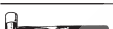





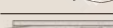






	<b>No 13</b>	sizes 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
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	<b>No 20</b>	sizes 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm
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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

## Special automotive tools

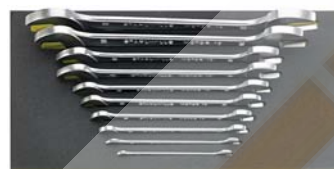
	<b>No 4724</b>	size 1 (0.6 x 3.5 x 25 mm)
	<b>No 4734</b>	size 2
	<b>No 4620</b>	size 1 (0.6 x 3.5 x 75 mm) size 2 (0.8 x 4.0 x 100 mm) size 3 (1.0 x 5.5 x 125 mm) size 4 (1.2 x 6.5 x 150 mm) size 5 (1.6 x 8.0 x 175 mm) size 6 (1.6 x 10.0 x 200 mm) size 7 (2.0 x 12.0 x 200 mm)
	<b>No 4632</b>	size 1; 2; 3
	<b>No 4622SK</b>	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)
	<b>No 4632SK</b>	size 1; 2
	<b>No 4650</b>	sizes T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
	<b>No 10767/9</b>	sizes 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
	<b>No 10771/8</b>	sizes T9; T10; T15; T20; T25; T27; T30; T40
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 160</b>	
	<b>No 65 43 4 002</b>	
	<b>No 65 44 4 021</b>	
	<b>No 65 45 4 002</b>	
	<b>No 65 46 4 021</b>	
	<b>No 65 63 2 250</b>	
	<b>No 65 72 6 240</b>	
	<b>No 66 02 5 180</b>	
	<b>No 102</b>	150; 200 mm
	<b>No 105</b>	120 x 10 mm
	<b>No 108</b>	150 x 3; 150 x 4; 150 x 5; 150 x 6; 150 x 8 mm
	<b>No 10956</b>	∅ 35 mm
	<b>No 10960</b>	500 g
	<b>No 11095/13</b>	0.05-1 mm
	<b>No 12320</b>	
	<b>No 12373</b>	
	<b>No 12600</b>	500 g
	<b>No 12718</b>	
	<b>No 12900/3</b>	
	<b>No 12920N</b>	
	<b>No 12931</b>	3 m
	<b>No 39 Pkw</b>	400 mm
	<b>No 7756</b>	

## 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	△ kg
<b>97 83 08 21</b>	6.55





























**96 83 16 02**



**96 83 16 07**



**96 83 16 01**

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

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

	<b>No 1350</b>	size M4
	<b>No 1356</b>	size M5
	<b>No 1357</b>	size M6
	<b>No 1358</b>	size M8
	<b>No 1359</b>	size M8
	<b>No 4650L</b>	sizes T15; T20; T25; T30
	<b>No 736/10</b>	1/4" $\odot$ size D 6,3
	<b>No 736/10</b>	5/16" $\odot$ size D 8
	<b>No 12506</b>	sizes 6; 7; 8 mm
	<b>No 12507-2K</b>	sizes 8; 10; 13 mm
	<b>No 65 01 5 180</b>	
	<b>No 65 29 5 145</b>	
	<b>No 65 30 5 200</b>	
	<b>No 66 00 5 145</b>	
	<b>No 66 02 5 200</b>	

### 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	$\Delta$ kg
<b>97830822</b>	8.04



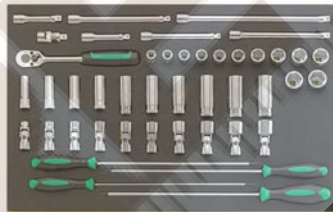
**96 83 1602**



**96 83 1603**



**96 83 1601**



**96 83 1695**

	<b>No 10</b>	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
	<b>No 456</b>	3/8" $\odot$ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
	<b>No 46</b>	3/8" $\odot$ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	<b>No 47</b>	3/8" $\odot$ sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
	<b>No 427/3</b>	3/8" $\blacksquare$ $\odot$ 76 mm
	<b>No 427/6</b>	3/8" $\blacksquare$ $\odot$ 160 mm
	<b>No 427/10</b>	3/8" $\blacksquare$ $\odot$ 240 mm
	<b>No 427W/3</b>	1/4" $\blacksquare$ $\odot$ 76 mm
	<b>No 427W/5</b>	3/8" $\blacksquare$ $\odot$ 125 mm
	<b>No 427W/6</b>	3/8" $\blacksquare$ $\odot$ 160 mm
	<b>No 428</b>	3/8" $\blacksquare$ $\odot$ 46 mm
	<b>No 435</b>	3/8" $\blacksquare$
	<b>No 543</b>	5/16" $\odot$ 1/2" $\odot$

### 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	$\Delta$ kg
<b>96 83 15 86</b>	4.4



**96 83 15 86**

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

## 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 tools for cars

### Special tools for carburettors

#### 10503 Screwdriver

for adjusting slotted screws, matt chrome, black tip.





Code	L mm	Blade mm	 g	
73210101	365	0.8 x 5.0 x 260	100	10

#### 10506 Screwdriver

for setting correct CO-valve on mixture screen, idling mixture on Pierburg carburettors: 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	 g	
73010001	350	0.8 x 4.0 x 300	53	10

#### 10507N KK Screwdriver

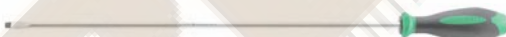
for hexagon socket head screws, size 3 mm, for mixture regulation on distributor of K-Jetronic: VW-Audi, Mercedes-Benz, Porsche 924, Ford and BMW, matt chrome, black tip.





Code	L mm	 g	
73101003	385	56	5

#### 10518 Screwdriver

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





Code	L mm	Blade mm	 g	
73210102	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	
74310001	27	10


#### 12504 Bit holder with inside hexagon

for all screwdriver bits, flexible shaft, for adjustment.



Code	L mm	inside  "	Blade mm	 g	
18101016	260	1/4	150	168	10


#### 54TX-T20 Screwdriver Bit

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



Code	Type	 g	
03100020	BMW	71	5

#### 540-22 CROW-FOOT spanner

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



Code	Type	 g	
02200022	BMW: series 3, 518, 520	64	1


#### 513 Adaptor

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





Code	Type	 g	
13030002	BMW: series 3, 518, 520	55	5

#### 1062 Socket

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





Code	Type	 g	
03830027	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	
41110013	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"  -drive, for injection nozzles on diesel car engines.



Code	Type	 g	
03020027	Mercedes-Benz	294	5

#### 51-30 Socket

size 30 mm, for injectors.

Code	Type	 g	
03020030	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	g	g
03 39 00 01	Mercedes-Benz diesel	185	10	

### 3505 Special extension



Code	g	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	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
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
74 29 00 02	270	345	1

### 11066 Valve spring lifters

bright nickel-plated.



Code	size	Clamp. width mm	Jaws (2 pieces)	g	g
74 12 20 01	1	75-225	11066R/1	1214	1
74 12 20 03	2N	120-280	11066R/3 + R/4	3214	1

### 11066R Spare jaws

for No 11066, 2 each, hardened, nickel-plated.



Code	size	shape	for No	g	g
79 12 01 01	1	straight	11066/1	120	1
79 12 01 02	2	bent	11066/1	121	1
79 12 02 01	3	straight	11066/2	103	1
79 12 02 02	4	bent	11066/2	114	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 <sup>1)</sup>	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

<sup>1)</sup> 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 <sup>1)</sup>	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 <sup>2)</sup>	60-160	220	194	1

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

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



## Special automotive tools

### 11095-11097 Precision feeler gauges

nickel-plated case, tapered blades.



Code	No	Sizes	L mm	g	g	g
74 24 0001	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 0002	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 0005	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 0001	780	1

### 12705 Motor mechanics stethoscope

steel probe, plastic handle and sound tubes.



Code	g	g
74 06 0001	137	1

### 12731 Valve grinding tools

with suction cap.



Code	Ø mm	g	g
74 05 0020	20	58	5
74 05 0025	25	54	5
74 05 0030	30	66	5
74 05 0037	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 0003	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	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" O-drive, for cylinder head bolts.



Code	Type	g	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" O-drive, for cylinder head bolts and drive shaft bolts.



Code	Type	g	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	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" O-drive, for cylinder head bolts.



Code	Type	g	g
03 23 00 12	Mercedes-Benz	71	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	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	$\triangle$ 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)	125	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

### 513 Adaptor

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



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

### 1417 BIT

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



Code	Type	$\triangle$ g	
08 13 00 25	BMW	6	10

## 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	$\triangle$ 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	$\triangle$ 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	$\triangle$ 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	$\triangle$ g	
02 20 00 22	BMW: series 3, 518, 520	64	1

### 3054X-M10 Screwdriver BIT

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



Code	Type	$\triangle$ 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	$\triangle$ 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	$\triangle$ g	
71 17 00 12	Mercedes-Benz	1518	1

### 46-19 Socket

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



Code	Type	$\triangle$ 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	$\triangle$ g	
77 13 00 00	VW/Audi	533	5

## Special tools for ignition and electrics

### 3466 Spark plug socket

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



Code	Ø mm/"	L mm	g	Box
02 14 00 36	16-5/8	85	180	5

### 4600 Spark plug socket

3/8" O-drive, with rubber insert.



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

### 4606 Spark plug socket

3/8" O-drive, with rubber insert.



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

### 1042 Tubular spark plug socket

3/8" O-drive.



Code	Ø mm/"	L mm	g	Box
02 23 20 16	16-5/8	270	203	5

### 1043 Tubular spark plug sockets

3/8" O-drive, extra long, with rubber insert, for deeply recessed, difficult-to-reach spark-plugs with M12 x 1.25 mm threads.

Citroën: C5 with engine 2.0 I HPI

Peugeot: 406 HPI

Renault: Twingo, Clio, Kangoo with engine 1.2 I, 16V



Code	No	Ø mm	L mm	g	Box
02 23 20 14	1043	14	90	52	1
02 23 30 14	1043/1	14	250	144	1

### 46 Spark plug socket

3/8" O-drive, with rubber insert.



Code	Ø mm/"	L mm	g	Box
02 02 02 08	20.8-13/16	65	151	10

### 51 Spark plug sockets

1/2" O-drive, with rubber insert.



Code	Ø mm/"	L mm	g	Box
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" O-drive, with rubber insert.



Code	Ø mm/"	L mm	g	Box
03 24 02 08	20.8-13/16	83	196	10

### 5100 Rubber insert

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



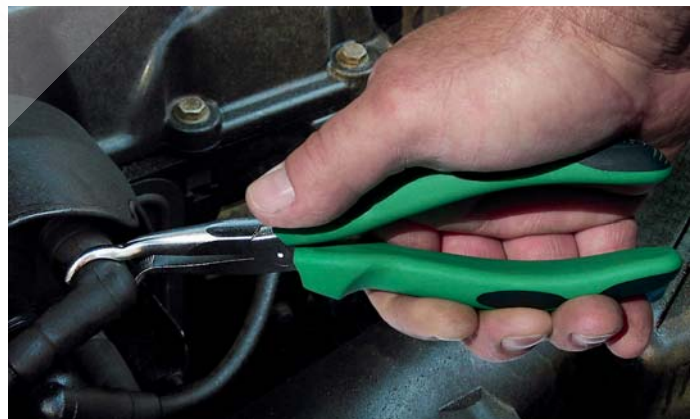
Code	g	Box
09 01 00 01	6	5

### 10626 Spark plug connector pliers

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



Code	L mm	g	Box
76 53 00 01	195	223	1



### 12375 Spark plug brush

wood, brass wire dia 0.15 mm.



Code	L mm	Rows	g	Box
74 16 00 01	150	3 x 5	17	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	Ø mm	L mm	⚖ g	📦
<b>41 18 08 12</b>	8 x 12	255	156	1

### 3047 Spark plug sockets

extra long, for hard-to-reach heater plugs, 3/8" Ø-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	Ø mm	L mm	⚖ g	📦
<b>02 18 00 10</b>	<b>10</b>	140	138	1
<b>02 18 00 12</b>	<b>12</b>	140	138	1

### 10627 Heater plug socket pliers

forged, curved jaws with milled grip, for accessing tight-fitting, awkward-to-reach heater plug connectors (e.g. BMW, Mercedes-Benz, Peugeot, Renault, Seat, VW/Audi).



Code	L mm	⚖ g	📦
<b>76 53 00 04</b>	220	262	1

### 46-12 Socket

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



Code	Type	⚖ g	📦
<b>02 02 00 12</b>	<b>BMW: 324d; 524d</b>	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	📦
<b>77 38 00 01</b>	120	73	10

### 7756 Automotive voltage tester (complete set)

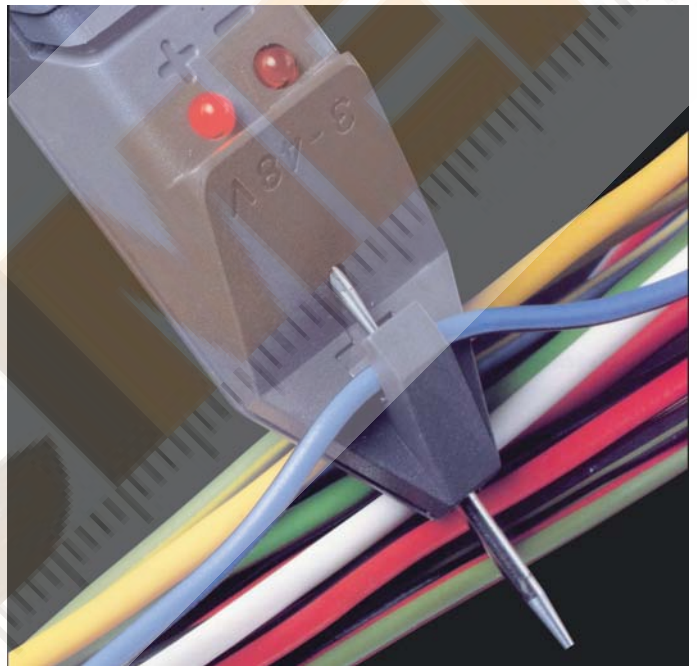
Testing unit for electric and electronic car components, 3-48 volt, 2 LEDs to indicate voltage and plus or minus pole, complete in Pc-bag.

Content:

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



Code	⚖ g	📦
<b>77 56 00 01</b>	85	1



## Special tools for brakes and wheels

### ES 721/15/3/2



530 x 350 x 40 mm, 6 pieces

Code	⚖ g
<b>96 83 81 72</b>	5060

	<b>No 2309K</b>	1/2" Ø sizes 17; 19; 20.8 mm-13/16"
	<b>No 721/15</b>	30-150 N·m
	<b>No 35c cars</b>	17; 19; 22; ■ 1/2"
	<b>No 10599/2</b>	245 mm
<b>83 81 20 87</b>	Empty tray	299



## Special automotive tools

### 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	Ø mm/"	L mm	⚖ g	📦
43 03 00 06	35c cars	17; 19; 22; ■ 1/2"	400	2058	1
43 03 00 05	34c HGVs	24; 27; 32; ■ 3/4"	700	5053	1

### 39 Tyre levers

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

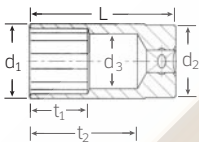


Code	No	L mm	⚖ g	📦
74 01 04 00	39 cars	400	375	5
74 01 06 00	39/1 HGVs	600	897	5
74 01 06 02	39/2 HGVs	600	1180	5
74 01 06 03	39/3 HGVs	600	915	5

### 51S Socket



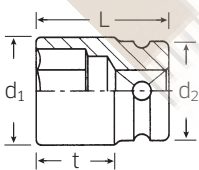
extra deep, DIN 3124/ISO 2725-1, E DIN EN 3710, E DIN EN 3709 (test loads), with rubber insert for spark plugs and for tightening and untightening wheel nuts on Japanese cars, HPQ® high performance steel, chrome plated.



Code	Ø mm/"	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	L mm	t <sub>1</sub> mm	t <sub>2</sub> mm	⚖ g	📦
03 24 02 08	20.8-13/16	27.7	26	20	83	22	66.2	196	10

### 2309 IMPACT sockets

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



Code	Ø mm	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	⚖ g	📦
23 09 00 17	17	25.7	30	85	68	242	5
23 09 00 19	19	28.2	30	85	67.5	257	5
23 09 02 08	20.8	30.7	30	85	66.5	272	5
23 09 00 22	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	Ø mm	Ø "	L mm	∅ mm	⚖ g	📦
23 09 10 17	17	1/2	86	27	240	1
23 09 10 19	19	1/2	86	29	250	1
23 09 12 08	20.8	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	📦
76 29 40 03	245	380	1

### 10613 Brake spring pliers

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



Code	L mm	⚖ g	📦
76 41 30 01	210	245	6
76 41 30 02	330	380	6

### 10613/1 Brake spring pliers

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



Code	L mm	⚖ 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	⚖ g	📦
74 54 01 01	260	130	5

### 12373 Steel wire brush

special slim design.



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

### 12900/2N Brake disc gauge

DIN 862, for measuring the thickness of car and motorcycle brake discs in situ, stainless steel, with locking screw and trailing vernier scale (1/10 mm), in plastic pouch.



Code	measuring range mm	throat depth mm	g	
<b>77 37 1003</b>	60	55	233	1

### 12900/3 Tyre tread Vernier calliper



- sturdy brass construction
- smooth ground surface



Code	measuring range mm	g	
<b>77 37 1004</b>	30	41	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)



Code	measuring range mm/"	g	
<b>77 37 1005</b>	25/1	64	1

### 1049-9 INHEX socket

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



Code	Type	g	
<b>02 15 1009</b>	<b>BMW, MINI</b>	62	5

### 54-7 INHEX socket

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



Code	Type	g	
<b>03 05 0007</b>	<b>BMW: 518, 520i, 525i, 528i</b>	75	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	g	
<b>58 23 10 11</b>	<b>Mercedes-Benz</b>	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	g	
<b>58 23 10 12</b>	<b>BMW</b>	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	g	
<b>58 23 10 14</b>	<b>BMW, Mercedes-Benz</b>	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	g	
<b>58 23 10 17</b>	<b>BMW</b>	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	g	
<b>58 23 10 19</b>	<b>BMW</b>	80	1

### 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	
<b>96 03 19 01</b>	<b>Fiat, Alfa</b>	1317	1

## Special automotive tools

### 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	$\Delta$ g	
03 09 0007	M7	Fiat	78	5
03 09 0009	M9	Fiat (1.2 l; 8V/16V)	92	5
03 09 0013	M13	Fiat, Alfa (e.g. 1.6 l; 16V)	125	5

## Special tools for lubrication service

### 1015 Oil filter claw

for loosening of oil filters on cars.



Code	$\odot$ Clamp. width "	total height mm	length of claws mm	$\Delta$ g	
74620002	3/8	68-120	65	530	1

### 3045 Special socket

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



Code	total height mm	$\Delta$ g	
74370001	52	131	1

### 3045K Special socket

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



Code	total height mm	Type	$\Delta$ g	
74370003	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	$\odot$ mm	$\odot$ "	Type	$\Delta$ g	
02 11 1032	32	3/8	e.g. Audi, MAN, Vauxhall Astra, Corsa, VW Passat	130	1
02 11 1036	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

### 12005 Strap wrenches

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



Code	No	L mm	$\Delta$ g	
76 50 0001	12005	236	264	1
79 15 0001	12005/1 <sup>1)</sup>	600	68	1

<sup>1)</sup> spare strap

### 12007 Oil filter wrenches

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



12007/1



12007/2

Code	No	L mm	$\Delta$ g	
76 52 1001	12007/1 <sup>1)</sup>	150	226	1
76 52 1002	12007/2 <sup>2)</sup>	240	319	1

<sup>1)</sup> with 1/2"  $\odot$

<sup>2)</sup> with lever handle

### 54-14 INHEX socket

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



Code	Type	$\Delta$ g	
03 05 0014	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		g	
<b>43 21 00 12</b>	<b>Fiat</b>		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		g	
<b>03 15 07 13</b>	<b>Lancia</b>		130	5

### 1058 Oil service spanner

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



Code	Type		g	
<b>44 73 08 10</b>	<b>Peugeot, Renault</b>		315	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		g	
<b>03 31 00 05</b>	<b>VW/Audi</b>		145	5

### 1054KK-8 INHEX socket

size 8 mm, length 238 mm.



Code	Type		g	
<b>03 31 00 08</b>	<b>VW/Audi</b>		154	5

## Special tools for engine and gear transmission

### 12735 Clutch alignment tool

8-piece set, contains  
1 clutch alignment mandrel,  
length 220 mm;  
1 combined sliding taper/cylindrical  
bush, cylindrical bushes from  
22.2-25.2 mm;  
1 sliding cylindrical bush,  
tapered at both ends,  
cylinder diameters 16-21 mm;  
5 cylindrical bushes, two sizes each,  
cylinder diameter 12-20 mm,  
in wooden storage box 255 x 81 x 38 mm.



Code	Type		g	
<b>74 48 00 00</b>			650	1

### 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		g	
<b>03 27 00 10</b>	<b>BMW</b>		53	10

### 50TX-E12 Socket

size E12

Code	Type		g	
<b>03 27 00 12</b>	<b>BMW</b>		55	10

### 50TX-E14 Socket

size E14

Code	Type		g	
<b>03 27 00 14</b>	<b>BMW</b>		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		g	
<b>03 10 00 27</b>	<b>BMW</b>		72	5

### 1418 BIT

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



Code	Type		g	
<b>08 13 00 27</b>	<b>BMW</b>		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	g	g
50 18 10 05	BMW	1054	1	

### 735/10 Ratchet insert tool

reversible, 1/2"  $\odot$ -drive.



Code	Type	g	g	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	g	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"  $\odot$ -drive, for use on mounting screws on fluid fly-wheel.



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

### 51-27 Socket

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



Code	Type	g	g	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"  $\odot$ -drive for bolts on car engines.



Code	Type	g	g	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	g	g
71 16 00 21	Mercedes-Benz	116	1	

### 11061-1 Counter stay



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

### 11061-2 Counter stay



Code	Type	g	g	g
71 17 00 12		1518	1	

### 730/2 SERVICE-MANOSKOP® torque wrench

capacity 4–20 N·m.



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

### 734/5 Square drive insert tool

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



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

### 12717 Pin wrench

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



Code	Type		
44 70 00 18	2/80 Golf, Jetta, Passat, Audi 80	76 g	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		
60 11 00 01	25-75	705 g	1

### K157 Chain

Code		
69 13 00 01	183 g	1

### 1225 Special extension

offset, for use on magnetic switch diesel pump.



Code	"		
12 25 00 01	$\frac{3}{8}$	128 g	5

### 10614 Hose clip pliers

for self tightening hose clips, nickel-plated.



Code	L mm		
76 46 00 00	220	293 g	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		
76 46 00 13	200	189 g	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		
76 46 00 12	290	414 g	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		
76 54 00 01	300	565 g	1

### Replacement Bowden cable for No 10623/2

Code		
79 54 00 01	120 g	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		
76 54 00 02	225	340 g	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		
76 54 00 03	200	173 g	1

### 12718 Flat scraper

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



Code	L mm		
72 03 11 01	265	160 g	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	g	g
74 20 00 01	210	99	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	g	g
76 48 00 01	230	205	1	

### 12975 Fuel hose clamp

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



Code	g	g	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	g	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	g	g
58 26 10 40	BMW: X6 model E71, series 7 model F01/F02	114	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	g	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	g	g
43 10 02 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	g	g
02 19 00 17	Mercedes-Benz	40	1	

### 440-19 CROW-RING spanner

size 19 mm.

Code	g	g	g
02 19 00 19	40	1	

### 440-22 CROW-RING spanner

size 22 mm.

Code	g	g	g
02 19 00 22	57	1	

### 440-24 CROW-RING spanner

size 24 mm.

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



### 730R/5 SERVICE-MANOSKOP® torque wrench

capacity 6–50 N·m, 3/8" ■-drive, for general service work.



Code	Type	g	g	g
96 50 20 05	Mercedes-Benz	945	1	

### 730R/12 SERVICE-MANOSKOP® torque wrench

25–130 N·m, 1/2" ■-drive



Code	Type	g	g	g
96 50 20 12	Mercedes-Benz	1410	1	

### 730R/20 SERVICE-MANOSKOP® torque wrench

40–200 N·m, 1/2" ■-drive.



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

### 11060-1 Internal puller

capacity 12–16 mm, for use on bearings, seals and bushes.



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

### 11060-2 Internal puller

capacity 20–27 mm.

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

### 11060-3 Internal puller

capacity 27–36 mm.

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

### 11060-5 Internal puller

capacity 36–46 mm.

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

### 11060-6 Internal puller

capacity 46–58 mm.

Code	Type	g	g	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	g	g
71 17 00 11	654	1	

### 11061-2 Counter stay

for Internal Puller No 11060/3-7.

Code	g	g	g
71 17 00 12	1518	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	g	g
43 10 02 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 250).



### 720Nf/80 Standard-MANOSKOP® torque wrench

capacity 160–800 N·m, 3/4" ○-drive.



Code	Type	g	g	g
50 19 00 81	VW: LT Syncro	5650	1	



## Special automotive tools

**730/5**

### SERVICE-MANOSKOP® torque wrench

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



Code	Type	g	g	g
50 18 00 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	g	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	g	g
58 25 00 10	VW/Audi	147	1	

**730/20**

### SERVICE-MANOSKOP® torque wrench

capacity 40-200 N·m.



Code	Type	g	g	g
50 18 00 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	g	g
58 25 00 20	VW/Audi	302	1	

**730/40**

### SERVICE-MANOSKOP® torque wrench

capacity 80-400 N·m.



Code	Type	g	g	g
50 18 00 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	g	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	g	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	g	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	g	g
74 01 06 00	39/1 HGVs	600	897	5	
74 01 06 02	39/2 HGVs	600	1180	5	
74 01 06 03	39/3 HGVs	600	915	5	
74 01 04 00	39 cars	400	375	5	

### 1068 Air filter claw

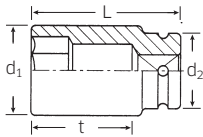
for loosening of filter cartridges on air brakes (trucks).



Code	Clamp. width "	total height mm	length of claws mm	g	
<b>74620011</b>	1/2	100-145	85	925	1

### 2509 IMPACT sockets

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

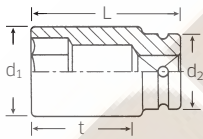


Code	mm	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	g	
<b>25090027</b>	27	40.5	44	100	72.5	672	2
<b>25090030</b>	30	44.3	44	100	72.5	728	2
<b>25090032</b>	32	46.8	44	100	72	778	2
<b>25090033</b>	33	48	44	100	72	803	2

for Trilux wheels

### 2609 IMPACT sockets

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



Code	mm	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	g	
<b>26090027</b>	27	42.3	54	110	80	1001	2
<b>26090030</b>	30	46	54	110	79.5	1047	2
<b>26090032</b>	32	48.5	54	110	79	1015	2
<b>26090033</b>	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	
<b>41081719</b>	Mercedes-Benz	151	10

### 51-30 Socket

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



Code	Type	g	
<b>03020030</b>	Mercedes-Benz	341	5

### 440-27MB CROW-RING spanner

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



Code	Type	g	
<b>02191027</b>	Mercedes-Benz	92	1

### 3678 4-pin socket

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



Code	Type	g	
<b>03810001</b>	Mercedes-Benz	151	5

### 1054-10 INHEX socket

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



Code	Type	g	
<b>03151410</b>	Mercedes-Benz	150	5

### 3054X-M12 Screwdriver BIT

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



Code	Type	g	
<b>03261412</b>	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	
<b>74140003</b>	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		
05 01 00 30	Mercedes-Benz	313 g	5

### 55-36 Socket

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

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

### 24-10x12 OPEN-RING spanner

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





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

### 440-30 CROW-RING spanner

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



Code	Type		
03 19 00 30	Mercedes-Benz	155 g	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		
02 20 00 19	Mercedes-Benz	64 g	1

### 540-24 CROW-FOOT spanner



size 24 mm.

Code	Type		
02 20 00 24	Mercedes-Benz	60 g	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		
96 50 20 02	Mercedes-Benz	455 g	1



### 730R/40/32 Torque wrench set

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

Content:

- 1 SERVICE-MANOSKOP® No 730/40, 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		
96 50 20 53	Mercedes-Benz	9739 g	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		
96 03 15 03	Mercedes-Benz	1963 g	1

### 721Nf/80 Standard-MANOSKOP® torque wrench

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



Code	Type		
50 20 00 81	Mercedes-Benz	6770 g	1