

STAHLWILLE Aerospace.

Tool solutions for aerospace.





STAHlwille.

Tool solutions for aerospace.

Ever since its founding 150 years ago, STAHlwille has been a byword for quality in the development and manufacture of professional tools. As a high-performance technology partner to the aerospace industry with many years' experience, we develop and supply individually conceived tool solutions that meet the most stringent safety and quality standards.

Together with leading aerospace manufacturers we developed the »Tool Control System« (TCS), which received the prestigious Aerospace Industry Award. This was a key milestone in our efforts to improve safety. Together with repair shops specialising in airframe and engine repairs, we developed our High Performance Quality (HPQ) tools which are capable of coping with the high breakaway torques encountered in turbines safely and economically.

Since every minute an aeroplane is grounded costs money, we supply high-tech tool applications for MRO and intelligent tool organisation aids and transport systems for the specialist fields of mechanical repairs, engines and avionics. In this way, we create the infrastructure you require for efficient, fast, reliable maintenance and overhaul work – irrespective of whether the work takes place in the hangar or in an »aircraft on ground« (AOG) scenario anywhere in the world.

To guarantee our acknowledged levels of quality, we have operated a quality assurance system to **DIN EN ISO 9001** since 1992. Our processes and product qualities are subject to continuous review with a view to guaranteeing the highest levels of accuracy and dependability in the development and production of our tools. One key contribution to this is our **DAkKS calibration laboratory**. This laboratory is accredited to **DIN EN ISO/IEC 17025:2005** by the German Accreditation Service (DAkKS) and meets all the prescribed technical specifications for testing laboratories **ISO/TS 16949** and national standard **DIN EN ISO 9001:2008**.

In short: STAHlwille's tool solutions offer more. Thanks to intuitive compilations of tools, optimised processes, durability and the highest quality standards.





Special requirements need special solutions.

STAHLWILLE's solutions for the aerospace industry were designed specifically with the requirements of that field in mind. By users. For users.

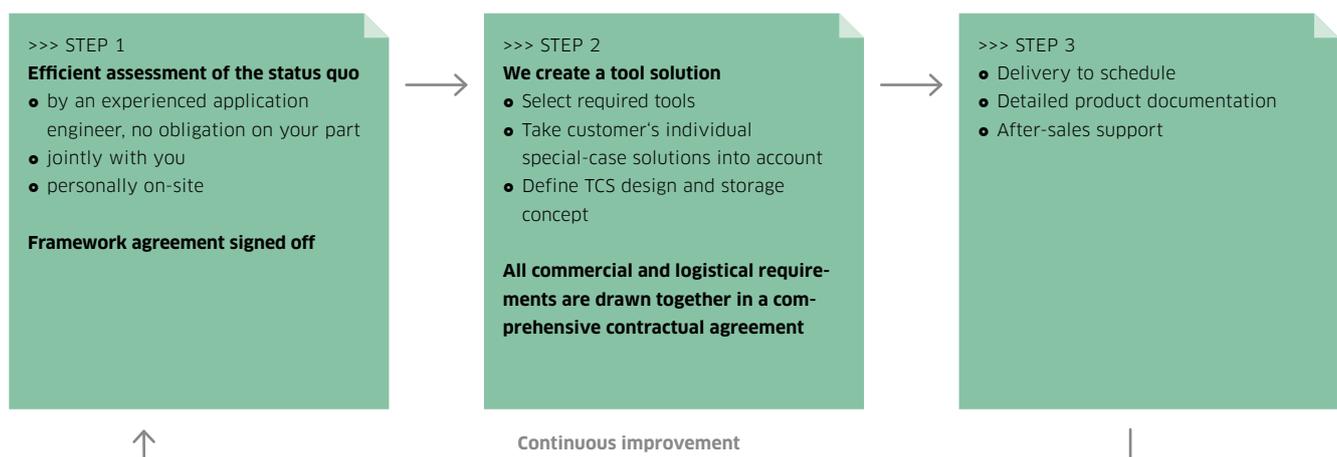
- STAHLWILLE provides one of the most all-encompassing ranges of tools available in the market today (more than 4,000 products, metric, imperial and spline).
- Products as applicable conform with **aerospace standards** such as E DIN EN 3709, E DIN EN 3710, SAE AS 954-E, MS-33787, SBAC, TC 48 AS 40605/40606, MIL-W-8982, ASME B 107.5M or RR JDS 1200.01.
- All our products are **»Made in Germany«** - they are developed and manufactured in Germany.
- Our **High Performance Quality (HPQ)** tools combine the closest manufacturing tolerances with the maximum conceivable force transmission and durability.
- Our **Tool Control System (TCS)** offers you a clear overview and excellent fitting accuracy, it is skydrol and chemical resistant and washable.
- STAHLWILLE tools are **cadmium-free** and guarantee corrosion resistance when used on titanium fasteners.

Perfection: a continuous process.

By applying a continuous analysis and optimisation process together with you, our customer, we can fine-tune your FOD-safe tool solutions to meet your exact requirements.

In this way, we specify, develop and manufacture the tools you need and combine them, if you so wish, with products made by other well-known manufacturers to create an individual comprehensive solution - including precision-milled

TCS inlays and the appropriate storage system, whether this is a toolbox or a tool trolley. And what happens if your processes change? It is a simple matter for us to modify the tool positions and the tool compilation to take account of your changing requirements. And to make sure that not a single detail is overlooked in the process, we apply our guaranteed standardised steps for continual improvement.



Accountability and efficiency at its best. **The Tool Control System.**

Everything in its place and a place for everything. A working environment with interdependent processes and tight schedules requires sophisticated, intelligent and intuitive tool storage. The same holds true for safety-critical maintenance operations, such as aerospace and food processing plants.



The STAHLWILLE Tool Control System combines the highest degree of safety and efficiency with the confidence that no tool is left where it may pose a security risk.

Originally developed for the aerospace industry together with leading aerospace manufacturers, the award-winning STAHLWILLE Tool Control System gives you control over your tools and ensures a high level of organisation and security.



1/3 tray



2/3 tray



3/3 tray

The tray mats are available in a variety of standard sizes.

The use of the signal colour yellow enables the technician to instantly detect if everything is where it should be. If he can see yellow then there is something wrong!

Tools are arranged in chemical-resistant durable yet flexible foam inlays.

Choose from the many standard inlay layouts to create highly functional tool sets or let us design against your specific configuration.



»Push-out« recesses ease removal of tools and speed up work.



Each tool has a secure place. You see at a glance where each tool goes. This saves time and money.



The cut-outs for each tool are created electronically to provide each tool with its own precision milled pocket.

Always the right solution. **Standard?** **Unique like your business? You decide.**

Choose from a wide range of standard preconfigured inlays, adaptable to a wide range of storage options. Or go for the ultimate and let us create storage solutions and tool sets according to your individual specifications.



STAHLWILLE tool storage. The systematic approach.

The STAHLWILLE Tool Box is a special tool storage solution: this tool box allows you to have your tools ready at your fingertips in any situation and wherever you are in the world – in exactly the same layout you are used to in your work. Ideal for aircraft on ground situations.

- 1 **Ergonomically designed handles**
- 2 The **automatic pressure-relief valve** allows air to escape from inside the box but does not permit moisture to enter the box.
- 3 **Extendible handle** for easy transport
- 4 The integral **seal** keeps the tool box watertight.
- 5 **Catches:** thanks to the two-stage catches, the tool box is easy to open but, if required can be securely locked.
- 6 **Rigidity:** to protect the catches and hinges, the box is equipped with reinforcing ribs that will withstand considerable loadings. The cases are manufactured by the ROTOMOLD and/or injection molded process.
- 7 To ensure **particularly easy transport**, STAHLWILLE tools are also available in cases fitted with wheels.



**The ideal solution for secure transport.
STAHLWILLE tool storage solutions are:**

- Absolutely robust and pressure-resistant
- Resistant to chemicals and skydrol
- Protected against variations in humidity and against dust
- Temperature resistant (-33°C - +90°C)

STAHLWILLE tool trolleys. Follow you wherever you go.

STAHLWILLE tool trolleys leave you in no doubt that they mean business: they are mobile, make full use of the space available, support organised work methods and are durable. Ideal for mobile workplaces.



From left: **6 drawers, 7 drawers, 8 drawers, 10 drawers**

STAHLWILLE TOOL TROLLEYS

Drawers	No	Weight	W/H/D	Code	Colour
6	97N/6KM	49.20 kg; 108.47 lbs	780/933/540 mm	81 16 00 04	green
6	97N/6KM	49.20 kg; 108.47 lbs	780/933/540 mm	81 16 00 05	red
6	97N/6KM	49.20 kg; 108.47 lbs	780/933/540 mm	81 16 00 06	blue
6	97N/6KM	49.20 kg; 108.47 lbs	780/933/540 mm	81 16 00 40	grey
7	97N/7KM	51.40 kg; 113.32 lbs	780/933/540 mm	81 16 00 10	green
7	97N/7KM	51.40 kg; 113.32 lbs	780/933/540 mm	81 16 00 11	red
7	97N/7KM	51.40 kg; 113.32 lbs	780/933/540 mm	81 16 00 12	blue
7	97N/7KM	51.40 kg; 113.32 lbs	780/933/540 mm	81 16 00 57	grey
8	97N/8KM	53.50 kg; 117.95 lbs	780/933/540 mm	81 16 00 16	green
8	97N/8KM	53.50 kg; 117.95 lbs	780/933/540 mm	81 16 00 17	red
8	97N/8KM	53.50 kg; 117.95 lbs	780/933/540 mm	81 16 00 18	blue
8	97N/8KM	53.50 kg; 117.95 lbs	780/933/540 mm	81 16 00 41	grey
10	97H/10KM	63.50 kg; 140.00 lbs	780/1096/540 mm	81 16 00 54	green
10	97H/10KM	63.50 kg; 140.00 lbs	780/1096/540 mm	81 16 00 55	red
10	97H/10KM	63.50 kg; 140.00 lbs	780/1096/540 mm	81 16 00 56	blue
10	97H/10KM	63.50 kg; 140.00 lbs	780/1096/540 mm	81 16 00 62	grey



STAHLWILLE green



RAL 3020



RAL 2703035



RAL 7016



Tool solutions for **aircraft**

AOG	12
Mobile Maintenance	13
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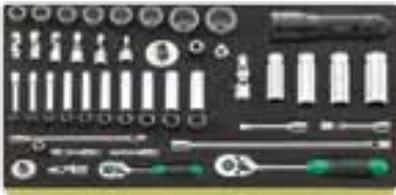


13224a
**AOG Kit
imperial**



Complete set: Code 98 83 00 21

30.98 kg, 68.30 lbs, W/H/D 608/456/375 mm
Number of tools: 153



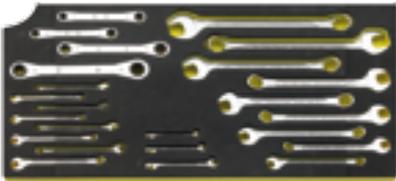
Code 96 83 23 24

kg 2.50
lbs 5.51
W 440 mm
H 238 mm
D 30 mm



Code 96 83 23 29

kg 1.40
lbs 3.09
W 498 mm
H 256 mm
D 30 mm



Code 96 83 23 25

kg 1.50
lbs 3.31
W 498 mm
H 256 mm
D 30 mm



Code 96 83 23 28

kg 1.24
lbs 2.73
W 498 mm
H 256 mm
D 30 mm



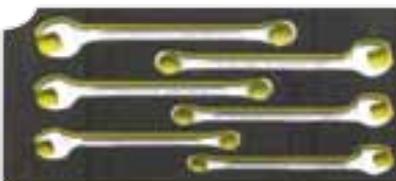
Code 96 83 23 27

kg 1.94
lbs 4.28
W 498 mm
H 256 mm
D 30 mm



Code 96 83 23 30

kg 1.70
lbs 3.75
W 498 mm
H 256 mm
D 60 mm



Code 96 83 23 26

kg 1.80
lbs 3.97
W 498 mm
H 256 mm
D 30 mm



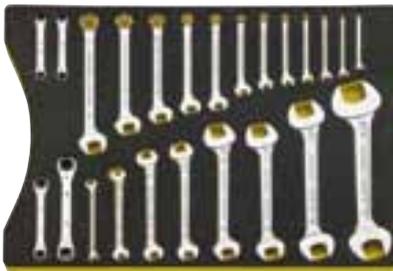
13231a
**Mobile Maintenance
 imperial**

13242a
**Mobile Maintenance
 imperial**

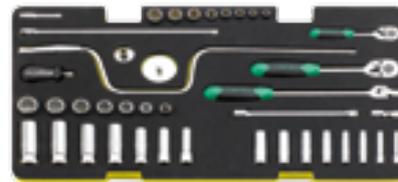


Complete set: Code 98 83 00 25
 21.8 kg, 48.1 lbs, W/H/D 670/510/262 mm
 Number of tools: 142

Complete set: Code 98 83 00 11
 14.04 kg, 30.95 lbs, W/H/D 546/347/247 mm
 Number of tools: 109



Code 96 83 25 54
 kg 2.80
 lbs 6.20
 W 565 mm
 H 425 mm
 D 45 mm



Code 96 83 24 67
 kg 2.65
 lbs 5.84
 W 516 mm
 H 276 mm
 D 30 mm



Code 96 83 25 55
 kg 4.00
 lbs 8.80
 W 565 mm
 H 425 mm
 D 55 mm



Code 96 83 24 70
 kg 3.10
 lbs 6.83
 W 516 mm
 H 276 mm
 D 30 mm



Code 96 83 25 53
 kg 5.80
 lbs 12.80
 W 565 mm
 H 425 mm
 D 45 mm



Code 96 83 24 68
 kg 2.50
 lbs 5.51
 W 516 mm
 H 276 mm
 D 30 mm



Code 96 83 24 69
 kg 2.65
 lbs 5.84
 W 516 mm
 H 276 mm
 D 30 mm



13243a
**Tool Kit Avionic
imperial**



Complete set: Code 98 83 00 05
24.37 kg, 53.72 lbs, W/H/D 670/510/372 mm
Number of tools: 128



Code 96 83 23 52
kg 3.38
lbs 7.45
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 53
kg 1.69
lbs 3.73
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 54
kg 2.52
lbs 5.55
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 55
kg 1.98
lbs 4.37
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 56
kg 3.83
lbs 8.44
W 500 mm
H 380 mm
D 45 mm

13244a
**Tool Kit Cabin
imperial**



Complete set: Code 98 83 00 06
23.73 kg, 52.31 lbs, W/H/D 670/510/372 mm
Number of tools: 116



Code 96 83 23 47
kg 2.34
lbs 5.16
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 48
kg 1.99
lbs 4.39
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 49
kg 2.83
lbs 6.24
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 50
kg 2.07
lbs 4.56
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 51
kg 3.54
lbs 7.80
W 500 mm
H 380 mm
D 60 mm



13245a

Maintenance Kit Mechanic imperial



Complete set: Code 98 83 00 10

28.13 kg, 62.02 lbs, W/H/D 670/510/372 mm

Number of tools: 174



Code 96 83 23 42

kg 4.77
lbs 10.52
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 43

kg 4.12
lbs 9.08
w 500 mm
H 380 mm
D 45 mm



Code 96 83 23 44

kg 1.95
lbs 4.30
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 45

kg 3.33
lbs 7.34
W 500 mm
H 380 mm
D 45 mm



Code 96 83 23 46

kg 2.04
lbs 4.49
W 500 mm
H 380 mm
D 45 mm





13227a

Cabin Kit Avionic imperial



Complete set: Code 98 83 00 17

6.75 kg, 14.87 lbs, W/H/D 410/340/205 mm
Number of tools: 60 · Other colours on request.



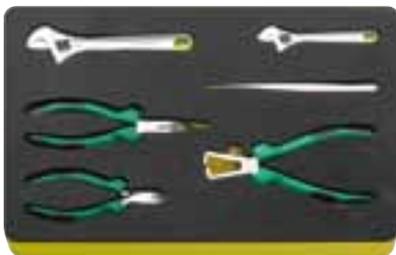
Code 96 83 21 20

kg 1.12
lbs 2.47
W 375 mm
H 260 mm
D 30 mm



Code 96 83 23 18

kg 1.59
lbs 3.50
W 375 mm
H 260 mm
D 45 mm



Code 96 83 23 19

kg 0.90
lbs 1.98
W 375 mm
H 260 mm
D 60 mm

13230a

Cabin Kit Mechanic imperial



Complete set: Code 98 83 00 24

9.1 kg, 20.0 lbs, W/H/D 410/340/205 mm
Number of tools: 78 · Other colours on request.



Code 96 83 25 57

kg 1.90
lbs 4.20
W 375 mm
H 260 mm
D 30 mm



Code 96 83 25 58

kg 2.10
lbs 4.60
W 375 mm
H 260 mm
D 60 mm



Code 96 83 25 59

kg 1.70
lbs 3.80
W 375 mm
H 260 mm
D 45 mm



13232a

Cabin Kit Systems Mechanic imperial



Complete set: Code 98 83 00 16

9.40 kg, 20.72 lbs, W/H/D 410/340/205 mm
Number of tools: 77 · Other colours on request.

13241a

Cabin Kit Mechanic imperial



Complete set: Code 98 83 00 18

8.61 kg, 18.98 lbs, W/H/D 410/340/205 mm
Number of tools: 79 · Other colours on request.



Code 96 83 23 15

kg 1.95
lbs 4.30
W 375 mm
H 260 mm
D 30 mm



Code 96 83 23 20

kg 1.95
lbs 4.30
W 375 mm
H 260 mm
D 30 mm



Code 96 83 23 16

kg 2.00
lbs 4.41
W 375 mm
H 260 mm
D 45 mm



Code 96 83 21 18

kg 1.74
lbs 3.84
W 375 mm
H 260 mm
D 45 mm



Code 96 83 23 17

kg 1.80
lbs 3.97
W 375 mm
H 260 mm
D 60 mm



Code 96 83 23 21

kg 1.79
lbs 3.95
W 375 mm
H 260 mm
D 60 mm



13214
Line Maintenance
Set metric

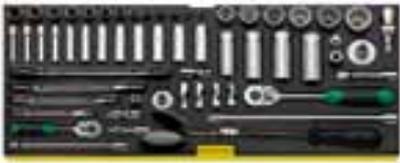


Complete set: Code 98 81 48 03
27.50 kg, 60.63 lbs, W/H/D 510/415/230 mm
Number of tools: 121

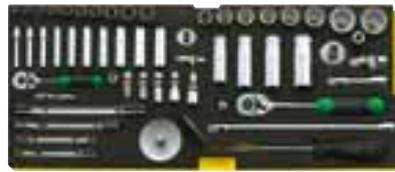
13214a
Line Maintenance
Set imperial



Complete set: Code 98 81 48 01
27.20 kg, 59.97 lbs, W/H/D 510/415/230 mm
Number of tools: 122



Code 96 83 08 04
kg 2.92
lbs 6.44
W 508 mm
H 208 mm
D 30 mm



Code 96 83 56 92
kg 2.93
lbs 6.46
W 508 mm
H 208 mm
D 30 mm



Code 96 83 07 95
kg 1.53
lbs 3.37
W 463 mm
H 185 mm
D 30 mm



Code 96 83 07 95
kg 1.53
lbs 3.37
W 463 mm
H 185 mm
D 30 mm



Code 96 83 08 05
kg 2.32
lbs 5.11
W 463 mm
H 185 mm
D 30 mm



Code 96 83 07 96
kg 2.64
lbs 5.82
W 463 mm
H 185 mm
D 30 mm



Code 96 83 08 06
kg 1.33
lbs 2.94
W 463 mm
H 185 mm
D 30 mm



Code 96 83 17 93
kg 1.40
lbs 3.09
W 463 mm
H 185 mm
D 30 mm



Code 96 83 17 94
kg 1.74
lbs 3.83
W 463 mm
H 185 mm
D 30 mm



Code 96 83 17 94
kg 1.74
lbs 3.83
W 463 mm
H 185 mm
D 30 mm



13225a

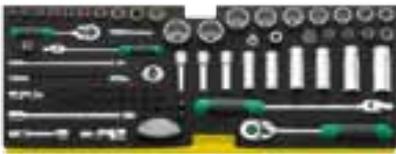
Line Maintenance Set imperial



Complete set: Code 98 83 00 22

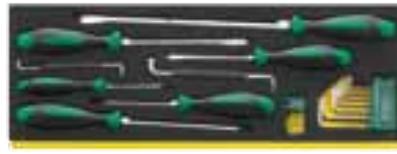
24.7 kg, 54.45 lbs, W/H/D 510/415/230 mm

Number of tools: 130



Code 96 83 21 13

kg 2.76
lbs 6.08
W 508 mm
H 208 mm
D 30 mm



Code 96 83 09 18

kg 1.16
lbs 2.56
W 463 mm
H 185 mm
D 30 mm



Code 96 83 21 16

kg 1.05
lbs 2.31
W 463 mm
H 185 mm
D 30 mm



Code 96 83 21 14

kg 2.77
lbs 6.11
W 463 mm
H 185 mm
D 30 mm



Code 96 83 21 15

kg 1.95
lbs 4.30
W 463 mm
H 185 mm
D 30 mm





13214 WW

Line Maintenance Set metric



You will find suitable
tool trolleys on page 9.

Complete set: Code 97 83 08 03

10.10 kg, 21.34 lbs

Number of tools: 121 · Tool trolley not included.

13214a WW

Line Maintenance Set imperial



You will find suitable
tool trolleys on page 9.

Complete set: Code 97 83 08 02

11.50 kg, 25.30 lbs

Number of tools: 122 · Tool trolley not included.



Code 96 83 08 88

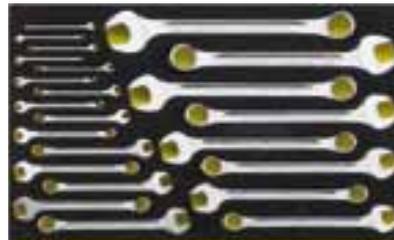
kg 2.40

lbs 4.40

W 530 mm

H 350 mm

D 40 mm



Code 96 83 08 85

kg 2.80

lbs 6.16

W 530 mm

H 350 mm

D 35 mm



Code 96 83 22 06

kg 1.50

lbs 3.30

W 530 mm

H 350 mm

D 35 mm



Code 96 83 08 86

kg 3.60

lbs 7.92

W 530 mm

H 350 mm

D 40 mm



Code 96 83 22 07

kg 3.80

lbs 8.36

W 530 mm

H 350 mm

D 35 mm



Code 96 83 08 87

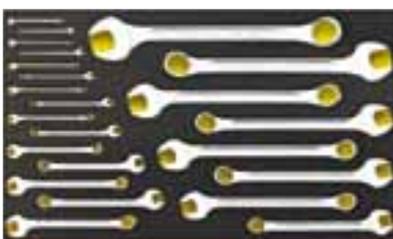
kg 2.70

lbs 5.94

W 530 mm

H 350 mm

D 35 mm



Code 96 83 22 08

kg 2.40

lbs 5.28

W 530 mm

H 350 mm

D 30 mm



Code 96 83 08 88

kg 2.40

lbs 5.28

W 530 mm

H 350 mm

D 40 mm





Tool solutions for **helicopters**

Cabin Kits	24
AOG	26
Maintenance	29





13233

Cabin Kit Mechanic metric



Complete set: Code 98 83 00 13

9.82 kg, 21.60 lbs, W/H/D 410/340/205 mm
Number of tools: 83 · Other colours on request.

13229

Cabin Kit Avionic metric



Complete set: Code 98 83 00 14

11.04 kg, 24.35 lbs, W/H/D 410/340/205 mm
Number of tools: 60 · Other colours on request.



Code 96 83 21 17

kg 2.08
lbs 4.59
W 375 mm
H 260 mm
D 30 mm



Code 96 83 21 20

kg 1.12
lbs 2.47
W 375 mm
H 260 mm
D 30 mm



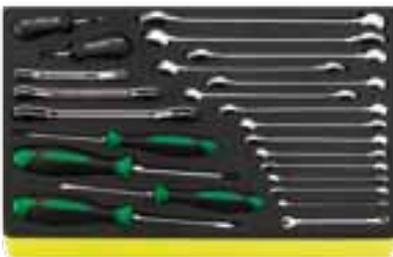
Code 96 83 21 18

kg 1.74
lbs 3.84
W 375 mm
H 260 mm
D 45 mm



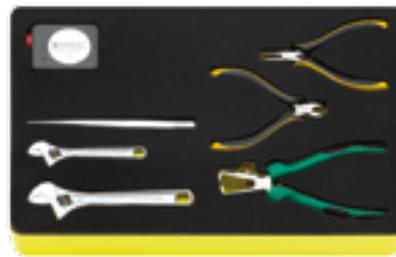
Code 96 83 21 21

kg 1.29
lbs 2.84
W 375 mm
H 260 mm
D 45 mm



Code 96 83 21 19

kg 1.80
lbs 3.97
W 375 mm
H 260 mm
D 60 mm



Code 96 83 21 22

kg 0.82
lbs 1.81
W 375 mm
H 260 mm
D 60 mm



13240a

Cabin Kit Avionic imperial



Complete set: Code 98 83 00 15

11.80 kg, 26.01 lbs, W/H/D 410/340/205 mm
Number of tools: 60 · Other colours on request.



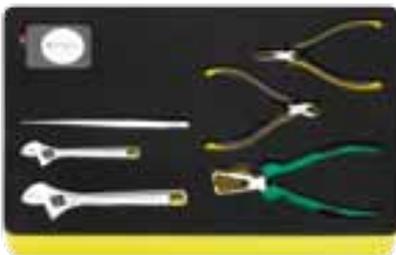
Code 96 83 21 20

kg 1.12
lbs 2.47
W 375 mm
H 260 mm
D 30 mm



Code 96 83 21 23

kg 1.92
lbs 4.23
W 375 mm
H 260 mm
D 45 mm



Code 96 83 21 22

kg 0.82
lbs 1.81
W 375 mm
H 260 mm
D 30 mm

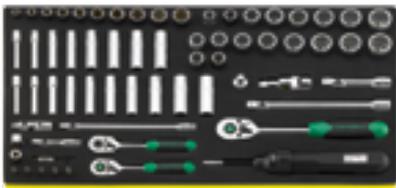




13221
AOG Kit
metric



Complete set: Code 98 83 00 19
 32.56 kg, 71.78 lbs, W/H/D 608/456/375 mm
 Number of tools: 174



Code 96 83 21 82
 kg 2.39
 lbs 5.27
 W 440 mm
 H 238 mm
 D 30 mm



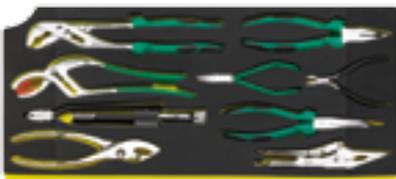
Code 96 83 21 86
 kg 1.48
 lbs 3.26
 W 498 mm
 H 256 mm
 D 30 mm



Code 96 83 21 83
 kg 1.16
 lbs 2.58
 W 498 mm
 H 256 mm
 D 60 mm



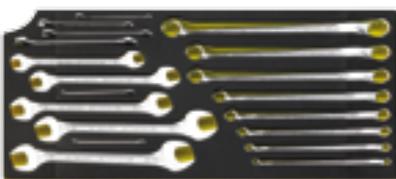
Code 96 83 21 87
 kg 1.27
 lbs 2.80
 W 498 mm
 H 256 mm
 D 30 mm



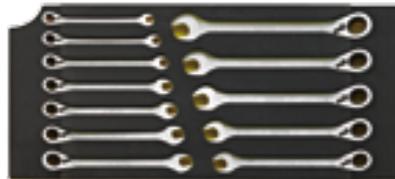
Code 96 83 21 84
 kg 2.13
 lbs 4.70
 W 498 mm
 H 256 mm
 D 30 mm



Code 96 83 21 88
 kg 1.49
 lbs 3.28
 W 498 mm
 H 256 mm
 D 30 mm



Code 96 83 21 85
 kg 1.74
 lbs 3.84
 W 498 mm
 H 256 mm
 D 30 mm



Code 96 83 21 89
 kg 2.00
 lbs 4.41
 W 498 mm
 H 256 mm
 D 30 mm



13223

AOG Kit Avionic metric



Complete set: Code 98 83 00 20

28.50 kg, 62.83 lbs, W/H/D 608/456/375 mm

Number of tools: 127



Code 96 83 21 90

kg 2.13
lbs 4.70
W 440 mm
H 238 mm
D 30 mm



Code 96 83 21 94

kg 1.00
lbs 2.20
W 498 mm
H 256 mm
D 60 mm



Code 96 83 21 91

kg 1.42
lbs 3.13
W 498 mm
H 256 mm
D 30 mm



Code 96 83 21 95

kg 2.60
lbs 5.73
W 498 mm
H 256 mm
D 30 mm



Code 96 83 21 92

kg 1.80
lbs 3.97
W 498 mm
H 256 mm
D 30 mm



Code 96 83 21 93

kg 0.65
lbs 1.43
W 498 mm
H 256 mm
D 30 mm



13226

AOG Kit NH 90 metric



Complete set: Code 98 83 00 12

30.79 kg, 67.89 lbs, W/H/D 608/456/375 mm

Number of tools: 149



Code 96 83 24 89

kg 2.42
lbs 5.34
W 498 mm
H 256 mm
D 30 mm



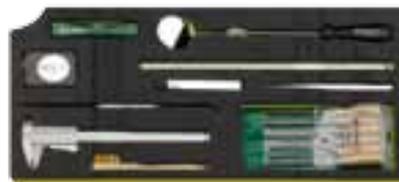
Code 96 83 24 92

kg 1.13
lbs 2.49
W 498 mm
H 256 mm
D 30 mm



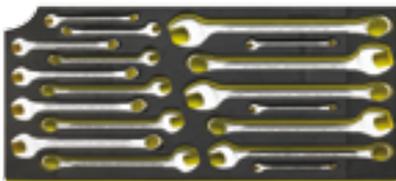
Code 96 83 24 91

kg 2.15
lbs 4.74
W 498 mm
H 256 mm
D 30 mm



Code 96 83 24 95

kg 1.38
lbs 3.04
W 498 mm
H 256 mm
D 30 mm



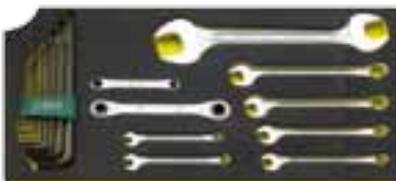
Code 96 83 24 94

kg 1.92
lbs 4.23
W 498 mm
H 256 mm
D 30 mm



Code 96 83 24 90

kg 1.27
lbs 2.80
W 498 mm
H 256 mm
D 60 mm



Code 96 83 24 93

kg 1.62
lbs 3.57
W 498 mm
H 256 mm
D 30 mm



13234a

Maintenance metric + imperial



You will find suitable
tool trolleys on page 9.

Code 97 83 00 72

15.60 kg, 34.39 lbs

Number of tools: 199 · Tool trolley not included.



Code 96 83 24 45

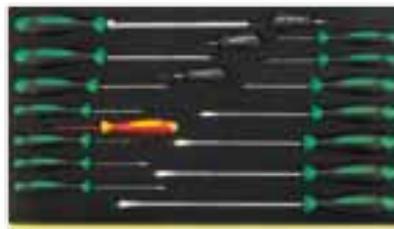
kg 3.85

lbs 8.49

W 530 mm

H 350 mm

D 30 mm



Code 96 83 11 79

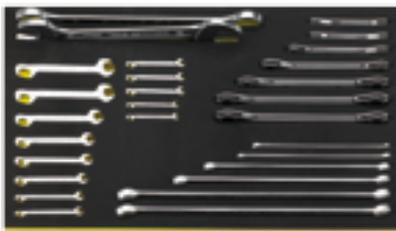
kg 1.69

lbs 3.73

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 47

kg 3.20

lbs 7.05

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 50

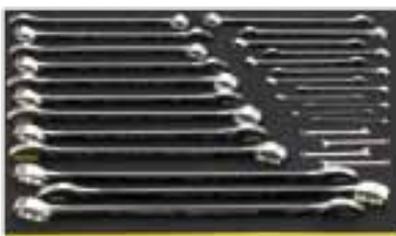
kg 4.00

lbs 8.82

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 46

kg 5.85

lbs 12.90

W 530

H 350

D 60 mm



Code 96 83 24 49

kg 2.10

lbs 4.63

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 48

kg 2.70

lbs 5.95

W 530 mm

H 350 mm

D 30 mm



13235

Maintenance metric



You will find suitable
tool trolleys on page 9.

Code 97 83 00 71

23.41 kg, 51.60 lbs

Number of tools: 232 · Tool trolley not included.



Code 96 83 24 39

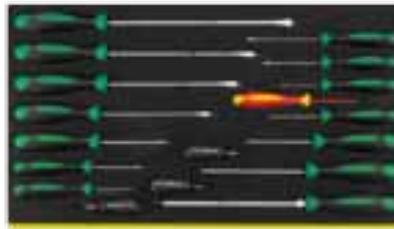
kg 2.80

lbs 6.17

W 530 mm

H 350 mm

D 30 mm



Code 96 83 11 79

kg 1.69

lbs 3.73

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 38

kg 3.10

lbs 6.83

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 42

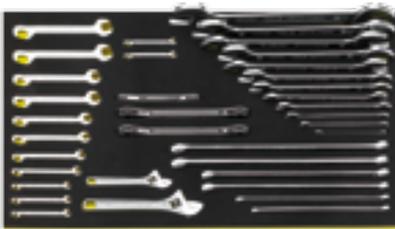
kg 2.50

lbs 5.51

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 41

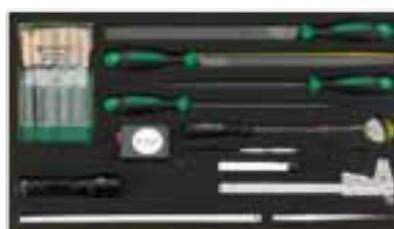
kg 3.10

lbs 6.83

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 44

kg 1.87

lbs 4.12

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 40

kg 4.80

lbs 10.58

W 530 mm

H 350 mm

D 60 mm



Code 96 83 24 43

kg 3.55

lbs 7.83

W 530 mm

H 350 mm

D 30 mm



13239

Maintenance Mechanic metric + imperial

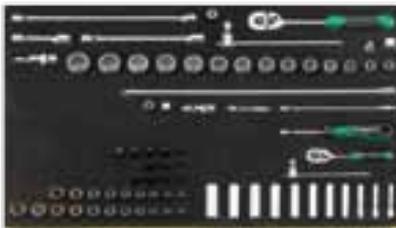


You will find suitable
tool trolleys on page 9.

Code 97 83 00 45

18.73 kg, 41.29 lbs

Number of tools: 212 · Tool trolley not included.



Code 96 83 21 76

kg 2.97
lbs 6.55
W 530 mm
H 350 mm
D 30 mm



Code 96 83 87 59

kg 2.16
lbs 4.76
W 530 mm
H 350 mm
D 30 mm



Code 96 83 21 79

kg 4.30
lbs 9.48
W 530 mm
H 350 mm
D 30 mm



Code 96 83 21 81

kg 0.30
lbs 0.66
W 350 mm
H 350 mm
D 30 mm



Code 96 83 11 79

kg 1.69
lbs 3.73
W 530 mm
H 350 mm
D 30 mm



Code 96 83 21 78

kg 1.04
lbs 2.29
W 350 mm
H 350 mm
D 30 mm



Code 96 83 21 77

kg 2.64
lbs 5.82
W 530 mm
H 350 mm
D 30 mm



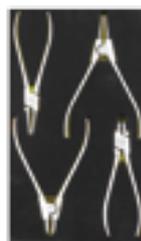
Code 96 83 87 51

kg 0.99
lbs 2.18
W 175 mm
H 350 mm
D 30 mm



Code 96 83 21 80

kg 2.01
lbs 4.43
W 530 mm
H 350 mm
D 30 mm



Code 96 83 06 08

kg 0.63
lbs 1.39
W 175 mm
H 350 mm
D 30 mm



13236a

Maintenance Engine imperial



You will find suitable tool trolleys on page 9.

Code 97 83 00 73

12.25 kg, 27.01 lbs

Number of tools: 116 · Tool trolley not included.



Code 96 83 24 85

kg 2.30

lbs 5.07

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 88

kg 2.70

lbs 5.95

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 86

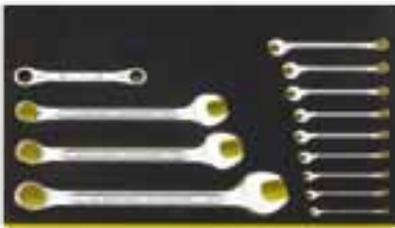
kg 3.55

lbs 7.83

W 530 mm

H 350 mm

D 60 mm



Code 96 83 24 87

kg 1.70

lbs 3.75

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 84

kg 2.00

lbs 4.41

W 530 mm

H 350 mm

D 30 mm



13237

Maintenance Mechanic Eurocopter metric + imperial



You will find suitable
tool trolleys on page 9.

Code 97 83 00 74

21.07 kg, 46.46 lbs

Number of tools: 253 · Tool trolley not included.



Code 96 83 24 51

kg 3.70

lbs 8.16

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 52

kg 2.70

lbs 5.95

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 53

kg 2.40

lbs 5.29

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 56

kg 1.75

lbs 3.86

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 54

kg 4.45

lbs 9.81

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 57

kg 2.38

lbs 5.25

W 530 mm

H 350 mm

D 30 mm



Code 96 83 11 79

kg 1.69

lbs 3.73

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 55

kg 2.00

lbs 4.41

W 530 mm

H 350 mm

D 30 mm



13238

Maintenance Avionic Eurocopter metric + imperial



You will find suitable
tool trolleys on page 9.

Code 97 83 00 75

12.56 kg, 27.69 lbs

Number of tools: 206 · Tool trolley not included.



Code 96 83 24 58

kg 1.83

lbs 4.03

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 59

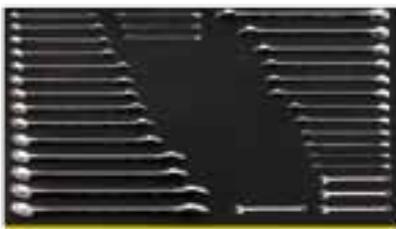
kg 1.35

lbs 2.98

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 53

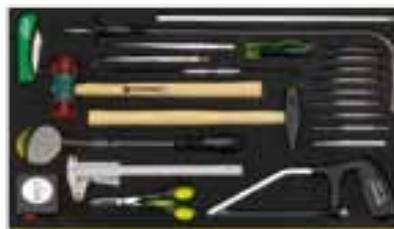
kg 2.40

lbs 5.29

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 61

kg 2.00

lbs 4.41

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 60

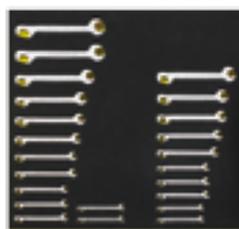
kg 2.79

lbs 6.15

W 530 mm

H 350 mm

D 30 mm



Code 96 83 24 62

kg 0.50

lbs 1.10

W 350 mm

H 350 mm

D 30 mm



Code 96 83 11 79

kg 1.69

lbs 3.73

W 530 mm

H 350 mm

D 30 mm



Applying a correct torque. It is as easy as that.

Torque tools.

Applying the correct torque to a fastener is essential for many of today's high-tech products and applications to avoid the risk of damage or failure. Tightening and loosening has become a governed science in its own right. STAHLWILLE torque tools make the science simple again.

STAHLWILLE torque tools allow you to precisely apply the right torque when tightening fasteners. They also increase productivity, thanks to their ease of use and their QuickRelease safety lock, which enables you to rapidly change insert tools.

MANOSKOP® 714

- Patented electromechanical torque/angle wrench (Type I & Type II)
- Can be used as a click and indicating torque wrench
- Measurement ranges from 1-1000 Nm
- Angle measurement without reference arm, can be ratcheted
- Measurement values can be saved and exported (software and cable included) inclusive of time and date stamp
- User programmable interface: configurable direct mode at the wrench or set presets via software
- Settings and sequences can be easily configured and stored
- Advance warning points via visual, tactile and aural signals
- Side mounted LEDs for visual indication when the display can not be seen
- Large multi-colour high resolution OLED display
- Audit functions for optimized use of torque and angle capabilities
- Multiple languages supported
- Password protection
- Accurate to +/-2% or 1°
- Optionally: Lithium-Ion battery and charger

Sensotork® 713R

- Electronic indicating torque/angle wrench (Type I)
- Angle measurement without reference arm, can be ratcheted
- Measurements values can be saved and exported

- Automatic force application lever arm compensation
- User programmable interface: both at the wrench or via software
- Settings and sequences can be easily configured and used
- Advance warning points via visual, tactile and aural signals
- Large easy read display for both text and numbers
- Multiple languages supported
- Password protection
- Accurate to +/-1% or 2°

MANOSKOP® 730D

- Patented electromechanical torque wrench (Type I & Type II)
- Combines a precise electronic measurement with the classic mechanical click
- Can be used as a click and indicating torque wrench
- Easy to read and backlit display alerts red or green based on user defined tolerances
- Measure and record values inclusive of time and date stamp
- Data can be transferred via optional software and USB-Adaptor
- Ergonomic 2-component handle
- Accurate to +/-2%
- Angle measurement via optional 7395-1 adapter

MANOSKOP® 730N / 730

- Simple to adjust and use
- Exceptionally robust and durable
- The switching mechanism wears in, not out
- Measurement ranges from 2-800 Nm
- No need to reset to zero when not in use - no coil spring
- Can be calibrated without disassembly
- Positive and detectable click even at the lowest of settings
- Easy to read and set dual scale with micrometer fine adjustment (730N)
- Lightening fast to set slide scale (730)
- Accurate to +/-3% (730N), +/-4% (730)



714R



713R



730DR



730N



730R



Quick and easy administration via SENSOMASTER®.



A wide range of insert ratchets.



A wide range of insert tools in both metric and imperial sizes.

Accuracy resulting from perfection.

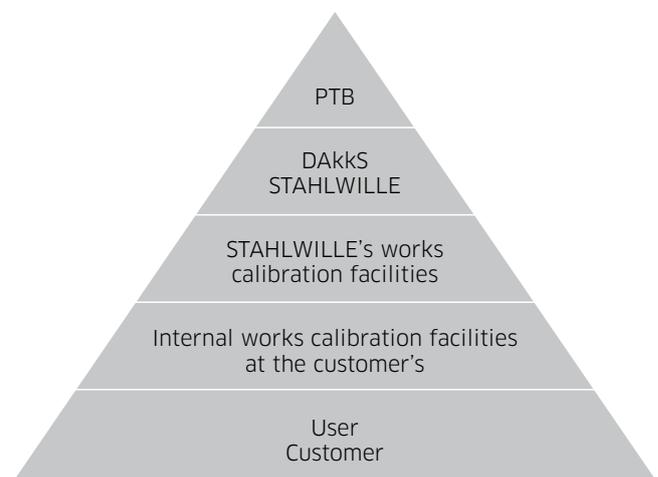


You can ensure controlled tightening, record the results of tightening processes, monitor torque tools. STAHLWILLE's DAkkS calibration laboratory for torque is accredited by the German Accreditation Service (DAkkS) in accordance with DIN EN ISO/IEC 17025:2005. Thus the specific requirements listed in Technical Specification ISO/TS 16949 relating to testing laboratories are also met.

The transfer torque wrenches and torque transducers in use at STAHLWILLE's DAkkS calibration laboratory are subject to regular examination by the German Federal Physics Institute (PTB) in Braunschweig.

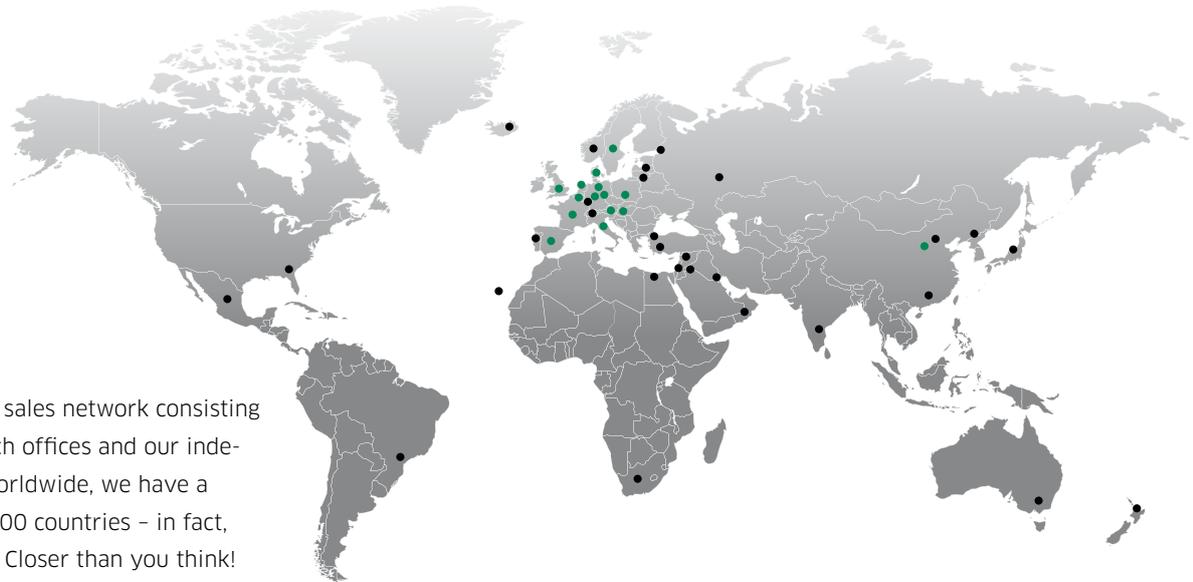
The accuracy of the torque wrenches must be proved in a series of steps and these must be traceable. Only in this way can the reliability of the readings be guaranteed. During the first stage, the end user checks the accuracy of the torque tools in-house using suitable calibrated testing equipment. In the next stage, this test equipment is checked in STAHLWILLE's DAkkS calibrating laboratory.

This accreditation by the German Calibration Service (DKD) in accordance with DIN EN ISO/IEC 17025:2005 guarantees the direct link between the measuring equipment and the national standard as laid down in DIN EN ISO 9001:2008.



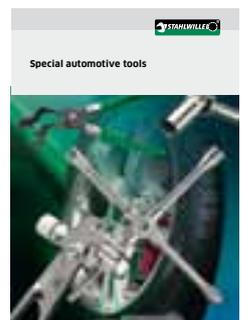
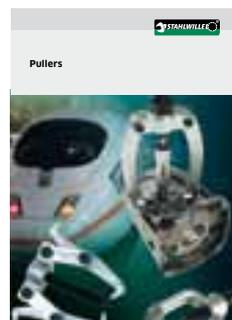
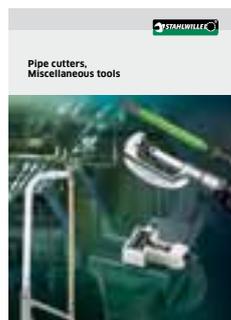
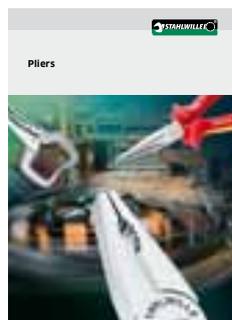
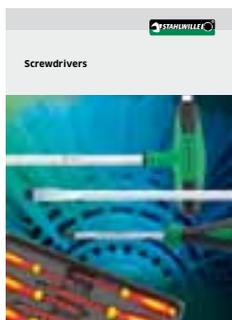
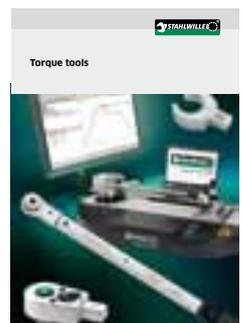
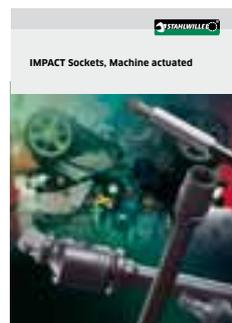
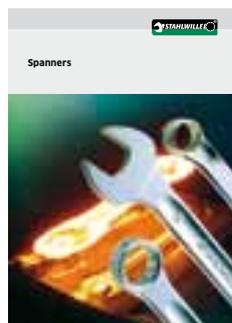
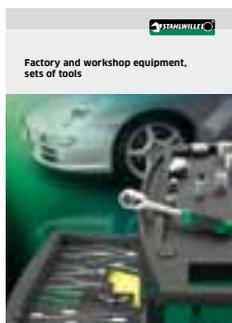
Relationship between the national standard and the equipment

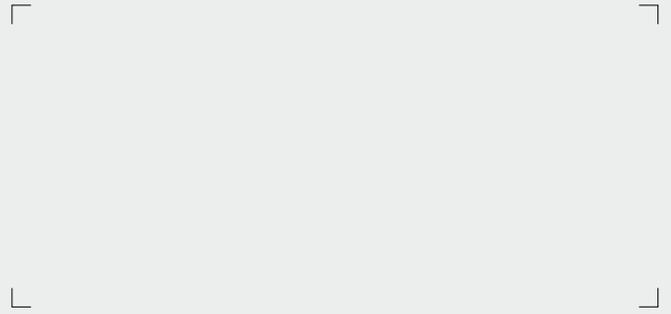
The world of tools. **STHLWILLE.**



Thanks to a worldwide sales network consisting of 14 of our own branch offices and our independent dealerships worldwide, we have a firm foothold in over 100 countries - in fact, wherever you need us. Closer than you think!

An extract of our product range:





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aerospace@stahlwille.de
www.stahlwille.de

