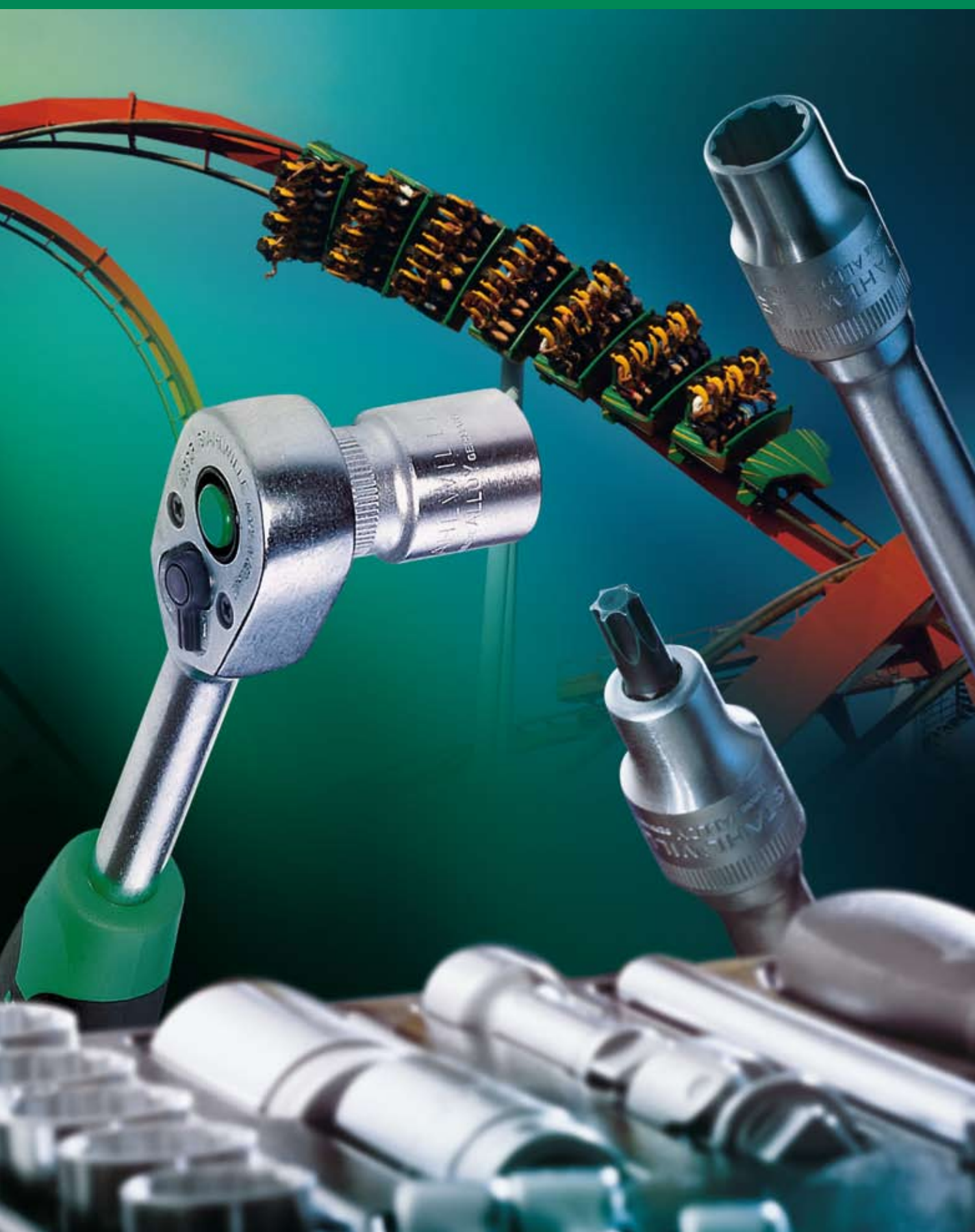


Sockets, Socket Sets, Accessories for manual drives



STAHLWILLE sets of socket spanners and inserts provide guaranteed safety and efficiency.

The professionals in industry and the trades are under pressure to work quickly, accurately and economically. Which is why they make heavy demands on their tools. Due to the numerous technical innovations incorporated in them, STAHLWILLE ratchets and sockets make a valuable contribution to the prevention of both mistakes and injuries.

By using ratchets, adaptors and inserts made by STAHLWILLE, professional tradesmen are quite simply "making sure". It does not matter whether it is a full set of tools or individual components – users can be sure they will get top-of-the-range quality every time. This is guaranteed by adherence to the closest tolerances during production and stringently applied quality assurance measures in accordance with DIN EN ISO 9001.

The legendary reliability and precision of these tools is enhanced by a large number of user-friendly features.

- **Non-slip, ergonomically manufactured 2-component handles facilitate strain-free working.**
- **Slim-design sockets enable access to awkward places.**
- **The QuickRelease system ensures full control over the joint between the ratchet, the adaptors and the sockets.**
- **NEW: sculpted chemical-resistant cut-outs in special PE foam inlays prevent tools rattling and sliding around.**



Set No 45/14/5iQR
in sturdy plastic case

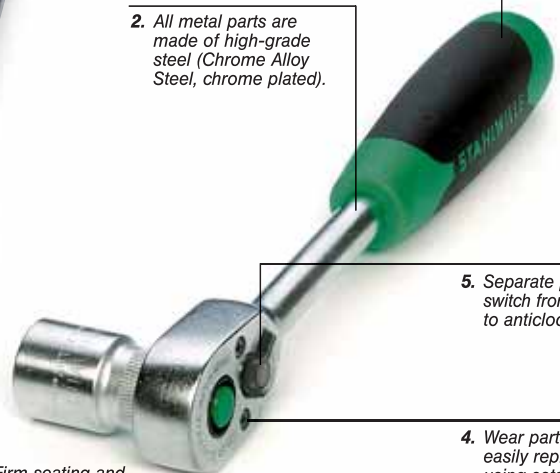
1. Ergonomically designed 2-component handle made of impact-resistant, skydrol resistant plastic.

2. All metal parts are made of high-grade steel (Chrome Alloy Steel, chrome plated).

3. Firm seating and yet easy release of sockets and adaptors.

5. Separate pawl to switch from clockwise to anticlockwise.

4. Wear parts can be easily replaced using sets of spares for sockets.



Safety advantage 1

STAHlwille QuickRelease system

The problem:

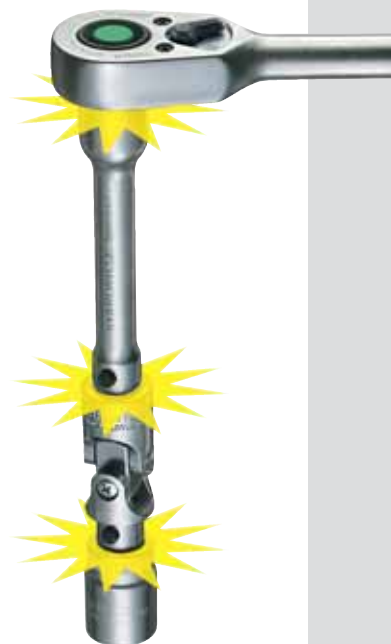
imagine what happens if a tool falls into an inaccessible place during repair or overhaul work.

The consequences:

arduous, costly search and recovery, possibly involving disassembly of an aeroengine or machine.

The solution:

the safety lock built into the QuickRelease system prevents damage to workpieces and guarantees secure, rapid connection of all individual components to form a single combined unit. Nothing can get lost because it is not possible to inadvertently release a tool. To release a tool, it is first necessary to press the release button deliberately. Even if you have oily or greasy hands, attaching and separating the individual components is so simple it noticeably smoothes your workflows.



Safety advantage 2

STAHlwille AS Drive

The problem:

removing heavily corroded screws requires the application of considerable force. The socket slips off the head of the screw.

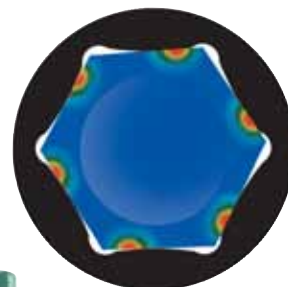
The consequences:

uncontrolled movements cause injuries and damage to both the workpiece and the tools.

The solution:

STAHlwille sockets are equipped with the AS Drive* profile. This permits high transmission of forces to the lands of nuts and bolts without damaging them. The risk of injury is minimised and the corners of the screw heads and nuts are no longer damaged.

*AS Drive = Anti-Slip Drive



The tolerances on the jaw sizes and square drives of these cold-extruded sockets are as close as if they had been broached. This prevents them slipping off the heads. The consequences: minimum wear on both screws and tools.

Safety advantage 3

STAHlwille HPQ inserts

The problem:

although there is hardly enough room to move, you still have to apply considerable torque to loosen a stubborn screw.

The consequences:

many of the sockets available are useless simply because their wall thickness makes them impracticable in awkward places.

The solution:

STAHlwille HPQ* sockets are manufactured from selected tough steel alloys. These sockets will not slip off the head of the screw, nor will they stretch when subjected to heavy loads. Their extremely thin walls and unbelievably high load capacity are simply exemplary. HPQ sockets are free of cadmium and are therefore suitable for use on titanium alloy parts and titanium fasteners as used e.g. in the aerospace industry, where safety is a crucial factor. They meet these aerospace standards: E DIN EN 3709, E DIN EN 3710, SAE AS 954-E, S.B.A.C. AS 40605/40606, MS-33787, MIL-W-8982.

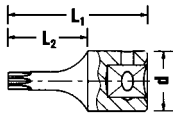
*HPQ = High Performance Quality




Some sets of STAHlwille socket spanners are supplied in sturdy plastic cases.

44KTX Screwdriver sockets

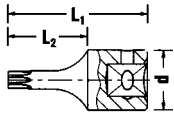
for inside TORX® screws, Chrome Alloy Steel, chrome plated.




Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
01350008	T8	2.3	28	16	11.6	10	5
01350009	T9	2.5	28	16	11.6	10	5
01350010	T10	2.7	28	16	11.6	10	5
01350015	T15	3.3	28	16	11.6	10	5
01350020	T20	3.8	28	16	11.6	11	5
01350025	T25	4.4	28	16	11.6	11	5
01350027	T27	5.0	28	16	11.6	11	5
01350030	T30	5.5	28	16	11.6	11	5
01350040	T40	6.6	28	16	11.6	12	5

44KTXB Screwdriver sockets

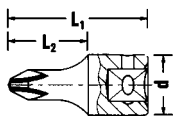
with hollow point, for inside TORX® screws (TORX® TAMPER RESISTANT), Chrome Alloy Steel, chrome plated.




Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
01351008	T8	2.3	28	16	11.6	10	5
01351009	T9	2.5	28	16	11.6	10	5
01351010	T10	2.7	28	16	11.6	10	5
01351015	T15	3.3	28	16	11.6	10	5
01351020	T20	3.8	28	16	11.6	10	5
01351025	T25	4.4	28	16	11.6	11	5
01351027	T27	5.0	28	16	11.6	11	5
01351030	T30	5.5	28	16	11.6	11	5
01351040	T40	6.6	28	16	11.6	12	5

44P Screwdriver sockets

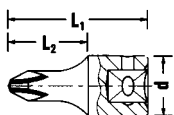
for recessed head screws Phillips-Recess®, tips to DIN 5260, Chrome Alloy Steel, chrome plated.




Code	PH size	L ₁ mm	L ₂ mm	d mm	Δ g	
01290001	1	28	16	11.6	10	5
01290002	2	28	16	11.6	11	5
01290003	3	28	16	11.6	12	5
01290004	4	28	16	11.6	14	5

44PZ Screwdriver sockets

for POZIDRIV/SUPADRIV® screws, Chrome Alloy Steel, chrome plated.




Code	PZ size	L ₁ mm	L ₂ mm	d mm	Δ g	
01300001	1	28	16	11.6	10	5
01300002	2	28	16	11.6	11	5

40CL Clip strips

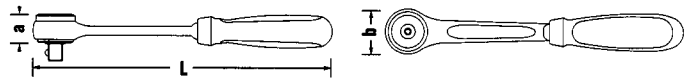
for socket retention, with 9 or 10 retaining clips. Supplied without sockets.



Code	size	L mm	Δ g	
80400001	1	200	36	5
80400002	2	300	52	5

Drive tools and accessories


1/4" □, finish: Chrome Alloy Steel, chrome plated.



411 Ratchet, fine tooth

reversible, 60 teeth, with 2-component handle, for use in confined spaces, re-engages after movement of 6°, DIN 3122/ISO 3315.




Code	L mm	b mm	a mm	Δ g	
11231011	118	24	19.5	96	1

415 Ratchet

reversible, 22 teeth, with 2-component handle, DIN 3122/ISO 3315.




Code	L mm	b mm	a mm	Δ g	
11111010	117	22	12.5	80	5

415QR QuickRelease ratchet

reversible, 22 teeth, with QuickRelease safety lock and 2-component handle, DIN 3122/ISO 3315.



Code	L mm	b mm	a mm	Δ g	
11110020	117	22	12.5	79	1

415SK* Ratchet

reversible, slim handle,
22 teeth, DIN 3122/ISO 3315.



Code	L mm	b mm	a mm	Δ g	
11 120010	117	22	12.5	75	5

* to be discontinued

415SG-QR QuickRelease ratchet



reversible, 22 teeth,
with QuickRelease safety lock and steel handle,
DIN 3122/ISO 3315.



Code	L mm	b mm	a mm	Δ g	
11 110030	117	22	12.5	90	1

415QRL QuickRelease ratchet



long, reversible, 22 teeth,
with QuickRelease safety lock and 2-component handle.



Code	L mm	b mm	a mm	Δ g	
11 110153	153	22	12.5	96	1

415B Bit ratchet

reversible, 22 teeth,
with 2-component handle and
inside hexagon, 1/4",
DIN 3126/ISO 1173 D 6.3 for Bits Screwdriver sockets 1/4".
Internal hex drive with a collar-thrust spring (registered design).
Bits are easy to insert, lock securely in position and can be removed just
as easily; even hex bits with a wide groove (Type E, DIN 3126/ISO 1173).



Code	L mm	b mm	a mm	Δ g	
11 131011	117	22	12	76	5

415SGB Bit ratchet

reversible, 22 teeth,
with steel handle and
inside hexagon, 1/4",
DIN 3126/ISO 1173 D 6.3 for Bits Screwdriver sockets 1/4".
Internal hex drive with a collar-thrust spring (registered design).
Bits are easy to insert, lock securely in position and can be removed just
as easily; even hex bits with a wide groove (Type E, DIN 3126/ISO 1173).



Code	L mm	b mm	a mm	Δ g	
11 130011	117	22	12	85	1

416 Flexible joint ratchet

reversible, 60 teeth,
handle may be raised or lowered by
approx. 90°.



Lockable in following positions:
straight, 30° up, 60° up, 30° down.
Unlocked by depressing button in handle, registered design.

Code	L mm	b mm	a mm	Δ g	
11260001	170	25	19.5	232	1

4110 Spare parts set for ratchets No 411, 416

Content:
1 pinion; 1 pawl; 1 switching disk; 1 spring; 3 screws

Code	Δ g	
19200001	47	1

for ratchets from 4/96

4150 Spare parts set for ratchets No 415, 415SK, 415SG

Content:
1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs;
2 screws M 1.7 x 8; 1 cover plate

Code	Δ g	
19010000	26	1

4150 QR Spare parts set for ratchets No 415QR, 415SG-QR



Content:
1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs;
2 screws M 1.7 x 8; 1 cover plate

Code	Δ g	
19011020	24	1

400 Drive handle

DIN 3122/ISO 3315.



Code	L mm	Δ g	
11050010	150	70	5

400QR QuickRelease drive handle



DIN 3122/ISO 3315,
with QuickRelease safety lock.



Code	L mm	Δ g	
11051010	150	80	1

400 Drall Drive handle

with 1/4" square drive in end of handle, DIN 3122/ISO 3315.



Code	L mm	ΔΔ g	
11050011	150	110	5

401 Drive handle

flexible shaft (right hand rotation only), maximum torque 5 N m.



Code	L mm	ΔΔ g	
11051002	240	120	5

403 Flexible handle

DIN 3122/ISO 3315, with 2-component handle.



Code	L mm	ΔΔ g	
11061010	154.5	70	1

404 Sliding T-handle

DIN 3122/ISO 3315.



Code	L mm	ΔΔ g	
11070000	116	38	5

404QR QuickRelease sliding T-handle



with QuickRelease safety locks.



Code	L mm	ΔΔ g	
11071000	116	52	1

413 Speeder brace

with steel handle, for greater axial power transmission, detachable palm head, working radius 70 mm.



Code	L mm	ΔΔ g	
11100001	440	352	1



405 Extensions

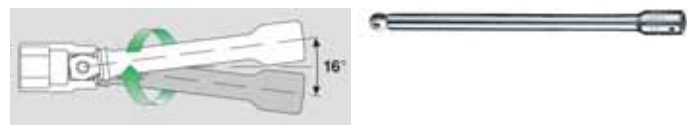
DIN 3123/ISO 3316.



Code	size	L mm	d mm	ΔΔ g	
11010001	2	54	11.6	29	5
11010006	4	100	11.6	46	5
11010002	6	150	11.6	65	5
11010010	10	254	11.6	115	1
11010014	14	356	11.6	155	1

405W Extensions with wobble-drive

swivel angle 8° each side, max. torque 40 N m.



Code	size	L mm	d mm	ΔΔ g	
11010011	2	54	11.6	28	1
11010016	4	100	11.6	45	1
11010012	6	150	11.6	55	1
11010020	10	254	11.6	110	1
11010024	14	356	11.6	155	1

405QR QuickRelease extensions



DIN 3123/ISO 3316.



Code	size	L mm	d mm	ΔΔ g	
11011001	2	54	11.6	28	1
11011006	4	102	11.6	49	1
11011002	6	150	11.6	65	1
11011013	13	330	11.6	140	1
11011005	14	356	11.6	150	1

406 Extension, flexible

(right hand rotation only) maximum torque 5 N m.



Code	L mm	d mm	ΔΔ g	
11040000	152	11.6	61	5

407 Universal joint

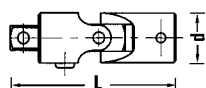
DIN 3123/ISO 3316.



Code	L mm	d mm	Δ g	
11020000	37	12.8	23	5

407QR QuickRelease universal joint


with QuickRelease safety lock.



Code	L mm	d mm	Δ g	
11021000	45	13	35	1

409 Adaptor

 1/4" socket x 3/8" plug (6.3 x 10),
 DIN 3123/ISO 3316, HPQ high performance steel.


Code	L mm	d mm	Δ g	
11030002	25	12.8	18	5

**409M/432M Set adaptors, 3 pieces
/514M/3**

 1/4" socket x 3/8" plug,
 3/8" socket x 1/2" plug,
 1/2" socket x 3/4" plug.


Code	Δ g	
96121002	120	1

409M Adaptor

 1/4" socket x 3/8" plug
 (6.3 x 10 mm).


Code	L mm	ϕ mm	Δ g	
11030010	13	25	14	1

410 Adaptor

 1/4" socket x 1/2" plug (6.3 x 12.5),
 HPQ high performance steel.


Code	L mm	d mm	Δ g	
11030003	28	16.5	36	5

412 Bit holder

 1/4" inside hexagon,
 DIN 3126 form D 6.3/ISO 1173 form D 6.3.
 Internal hex drive with a collar-thrust spring (registered design).
 Bits are easy to insert, lock securely in position and can be removed just
 as easily; even hex bits with a wide groove (Type E, DIN 3126/ISO 1173).
 HPQ high performance steel.


Code	L mm	d mm	Δ g	
11180010	25	11.6	15	5

412-1 Bit holder

 1/4" inside hexagon,
 DIN 3126 form D 6.3/ISO 1173 form D 6.3.
 Outer \bullet 10 mm for use in tools with 10 mm internal
 hex drive or internal double hexagon (e.g. "FLEXI" double-ended flexi-joint
 spanners, T-handle universal joint spanners, box spanners, ratchet ring
 spanners etc.).
 Internal hex drive with a collar-thrust spring (registered design).
 Bits are easy to insert, lock securely in position and can be removed just
 as easily; even hex bits with a wide groove (Type E, DIN 3126/ISO 1173).
 HPQ high performance steel.


Code	outside \bullet	L mm	d mm	Δ g	
11180020	10 mm	20	11.6	11	5

417/1 Locking adaptor

 with hexagon key wrench
 No 10760aCV 3/32".


Code	L mm	d mm	Δ g	
96112701	42	13	23	1


 Official partner of
BMW Motorrad Motorsport

4008 Ratcheting bit holder

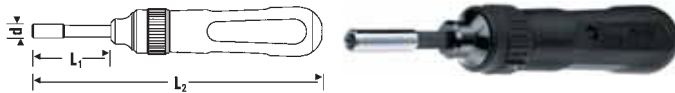
Positions selectable are clockwise/anticlockwise/fix with fixed blade. Inner hex. with magnet, for 1/4" screwdriver bits with outside hexagon 1/4" DIN 3126/ISO 1173 Form C 6.3.

The square drive extension No 3115/1 can be used to adapt 1/4" socket inserts (outer hex. to 1/4" outer square).

The ratcheting bit holder is fitted with a quick-twist knurled socket to allow the user to tighten or untighten loosely by hand.

Socket mountings are toothed, heavy-duty and angled at 30°.

Socket mountings are toothed, heavy-duty and angled at 30°. Ergonomically shaped handle with 1/4" inner square drive, for use with cross-handle, extension bar etc.



Code	inside	"	L ₁ mm	L ₂ mm	d mm	△ g	☐
18 120000	D 6.3	1/4	56	206.5	10	185	8

inside ○ DIN 3126/ISO 1173

4008/27/1 Ratcheting bit holder set

29 pieces

Content:

1 Ratcheting bit holder No 4008

3 Bits ⊕ 1221; 1222; 1223

3 Bits ⊕ PZ 1221; PZ 1222; PZ 1223

6 Bits ⊕ 1440 T10; 1441 T15; 1442 T20; 1443 T25; 1445 T30; 1446 T40

3 Bits ⊙ 1301; 1302; 1303

3 Bits ⊖ 1163 0.6 x 4.5; 1165 0.8 x 5.5; 1166/1 1.2 x 6.5 mm

1 Square drive extension No 3115/1 with 1/4" outer hex. and outer square drives for attaching 1/4" □ sockets

9 Sockets No 40, 1/4" □ sizes 4; 5; 5.5; 6; 7; 8; 10; 11; 13 mm



Code	△ g	☐
96 18 1202	1025	1

Tools for Hi-Lok bolts

40aD/8/1H Socket set

for Hi-Lok bolts.

Content:

5 Sockets with bi-hexagon

No 40aD: sizes 7/32; 1/4; 5/16; 11/32; 3/8"

3 Offset Screwdrivers

No 10759a: 1/16; 5/64; 3/32"

1 Ratchet No 415SGH



Code	△ g	☐
96 01 5303	425	1

415SGH Ratchet

reversible, 22 teeth, patent,

axially drilled pinion,

locking facility for sockets.

For use on Hi-Lok bolts in the aerospace industry.



Code	L mm	b mm	a mm	△ g	☐
11 110002	117	22	12.5	90	5

414H Hi-Lok extensions

with lock-on facility as on

ratchet No 415SGH, patent.



Code	size	L mm	d mm	△ g	☐
11 2400 11	2	54	13	34	1
11 2400 12	4	102	13	49	1
11 2400 13	6	152	13	66	1

10759 Offset screwdrivers

with hexagon end for Ratchet

No 415SGH, patent. Round shaft on

Screwdriver enables locking of ball

retainer.



Code	size	⊖ mm	L mm	△ g	☐
43 06 2002	1	2	50	5	5
43 06 4002	2	2	100	8	5

10759a Offset screwdrivers

Code	size	⊖ "	L mm	△ g	☐
43 56 0004	1	1/16	50	5	5
43 56 4004	2	1/16	100	8	5
43 56 0005	1	5/64	50	5	5
43 56 4005	2	5/64	100	8	5
43 56 0006	1	3/32	50	5	5
43 56 4006	2	3/32	100	8	5



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