

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.

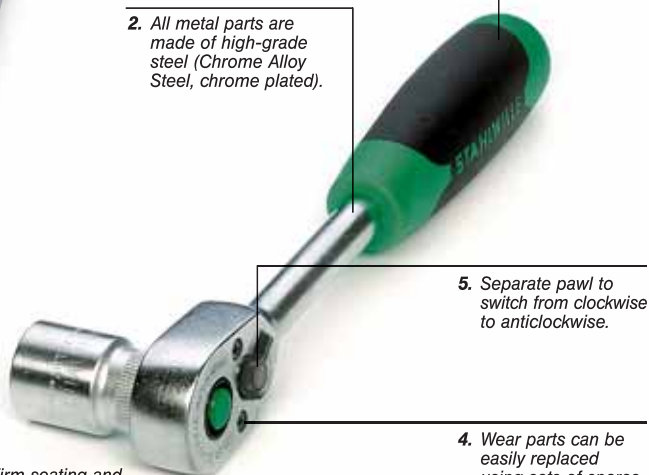
By using ratchets, adaptors and inserts made by STAHLWILLE, professional tradesmen are quite simply "making sure". It does not matter whether it is a full set of tools or individual components – users can be sure they will get top-of-the-range quality every time. This is guaranteed by adherence to the 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:

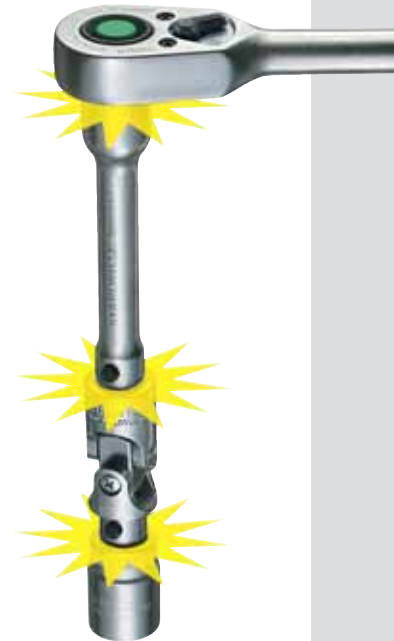
imagine what happens if a tool falls into an inaccessible place during repair or overhaul work.

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.

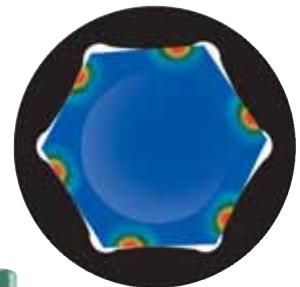
The consequences:

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

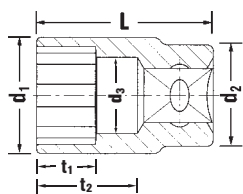


Some sets of STAHlwille socket spanners are supplied in sturdy plastic cases.

50 Sockets



metric sizes: DIN 3124/ISO 2725-1, E DIN EN 3709, ASME B 107.5 M, American sizes: ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads), HPQ high performance steel, chrome plated.



Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
03010008	8	13	22	7	38	9	22	56	10
03010009	9	13.7	22	8	38	9	22	57	10
03010010	10	14.5	22	9	38	9	22	57	10
03010011	11	15.8	22	10	38	9.5	22	52	10
03010012	12	17	22	11	38	13	22	58	10
03010013	13	18.3	22	12	38	13	22	60	10
03010014	14	19.9	22.7	13	38	13	20.5	60	10
03010015	15	21.2	22.7	14	38	13.5	20.2	62	10
03010016	16	22.4	23.7	15	38	13.5	19.6	63	10
03010017	17	24	23.7	15.2	38	15	19.6	66	10
03010018	18	24.7	23.7	17	38	15.5	19.1	71	10
03010019	19	26.2	25	18	38	16	21.7	78	10
03010020	20	27.2	25	19	42	17	25.5	89	10
03010021	21	28.7	26	20	42	18	25.2	104	10
03010022	22	29.7	26	21	42	18	24.9	113	10
03010023	23	30.7	26	20	42	18	25.4	114	5
03010024	24	32	26	21	42	18.5	24.9	117	5
03010025	25	33.2	25	22	42	18.5	24.6	119	5
03010026	26	34.4	25	23	42	18.5	24.3	122	5
03010027	27	36.2	26	24	45	19.5	27	150	5
03010028	28	37.4	27	25	45	19.5	26.7	158	5
03010030	30	39.7	28	27	45	20.5	26.1	171	5
03010031	31	42.2	28	28	47	22	27.9	215	5
03010032	32	42.2	28	29	47	22	27.6	189	5
03010034	34	45	28	31	47	22	27	209	5

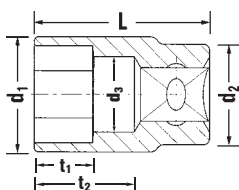
50a Sockets

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
03410024	3/8	14.3	22	8.3	38	9	22	57	10
03410028	7/16	16.3	22	9.9	38	9	22	59	10
03410032	1/2	18.3	22	11.5	38	13	22	59	10
03410034	9/16	20.3	22.7	13.1	38	13	20.2	62	10
03410035	19/32	21.3	22.7	13.5	38	13.5	20.1	61	10
03410036	5/8	22.4	23.7	15	38	13.5	19.6	62	10
03410038	11/16	24.2	23.7	16.5	38	15.5	19.2	68	10
03410040	3/4	26.2	25	18	38	16	21.7	78	10
03410041	25/32	27	25	18.6	41	16	24.6	90	5
03410042	13/16	28.2	25	19.4	41	16.5	24.3	95	5
03410044	7/8	29.7	26	21	42	18	24.9	111	5
03410046	15/16	32	26	22.6	42	18.5	24.4	121	5
03410048	1	33.7	27	24.2	42	18.5	24	135	5
03410050	1 1/16	36.2	26	25.8	45	19.5	26.5	155	5
03410052	1 1/8	38.1	28	27.4	45	20	26	167	5
03410054	1 3/16	39	28	28	45	20.5	25.9	178	5
03410056	1 1/4	40	28	30.5	45	21	25.1	196	5
03410058	1 5/16	41.8	28	32.1	47	22	26.7	210	5
03410060	1 3/8	46	28	33.7	50	23	29.2	232	5
03410062	1 7/16	49.4	31	34	54	26	33.1	320	5
03410064	1 1/2	51	31	35	54	26	32.8	330	5

52 Sockets



DIN 3124/ISO 2725-1, ASME B 107.5M, E DIN EN 3709 (test loads), HPQ high performance steel, chrome plated.



Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
03030008	8	13	22	7	38	9	22	56	10
03030009	9	13.7	22	8	38	9	22	56	10
03030010	10	14.5	22	9	38	9	22	60	10
03030011	11	15.8	22	10	38	9.5	22	58	10
03030012	12	17	22	11	38	13	22	52	10
03030013	13	18.3	22	12	38	13	22	51	10
03030014	14	19.9	22.7	13	38	13	20.5	59	10
03030015	15	21.2	22.7	14	38	13.5	20.2	63	10
03030016	16	22.4	23.7	15	38	13.5	19.6	65	10
03030017	17	24	23.7	15.2	38	15	19.6	70	10
03030018	18	24.7	23.7	17	38	15.5	19.1	73	10
03030019	19	26.2	25	18	38	16	21.7	79	10
03030020	20	27.2	25	19	42	17	25.5	95	10
03030021	21	28.7	26	20	42	18	25.2	110	10
03030022	22	29.7	26	21	42	18	24.9	115	10
03030023	23	30.7	26	20	42	18	25.4	119	5
03030024	24	32	26	21	42	18.5	24.9	125	5
03030025	25	33.2	26	22	42	18.5	24.6	128	5
03030026	26	34.4	25	23	42	18.5	24.3	132	5
03030027	27	36.2	26	24	45	19.5	27	161	5
03030028	28	37.4	27	25	45	19.5	26.7	166	5
03030030	30	39.7	28	27	45	20.5	26.1	186	5
03030032	32	42.2	28	29	47	22	27.6	200	5
03030034	34	45	28	31	47	22	27	235	5

ES 52/17



175 x 350 x 47 mm, 17 pieces



Code	g
968381 12	1760
No 52	1/2" sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
83812030	Empty tray 107

TCS 50TX/54TX/17



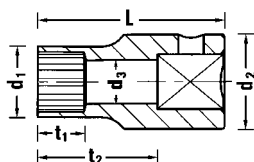
175 x 350 x 40 mm, 17 pieces

Code		Δ g
96838763		1382
No 50TX	1/2" $\bigcirc$ sizes E10; E11; E12; E14; E16; E18; E20; E24	
No 54TX	1/2" $\bigcirc$ sizes T20; T25; T27; T30; T40; T45; T50; T55; T60	

50aPSP Sockets spline-drive



MS-33787, HPQ high performance steel, gunmetal finish.

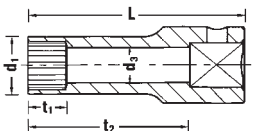


Code	Spline size	$\bigcirc$ " "	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
03012024	12	3/8	15.5	22	8.6	38	9.5	22	55	5
03012028	14	7/16	18	23.7	10.4	38	11	22	65	5
03012034	18	9/16	22	23.7	13.5	38	12	20	71	5

50aPLSP Socket spline-drive



extra deep bolt clearance, MS-33787, HPQ high performance steel, gunmetal finish.

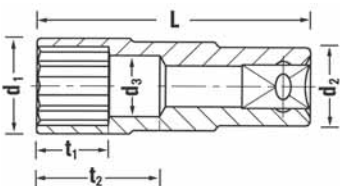


Code	Spline size	$\bigcirc$ " "	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
03013028	14	7/16	18	23.7	10.4	50	11	34	83	5

51aP Socket



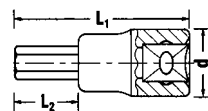
extra deep bolt clearance, HPQ high performance steel, gunmetal finish. For the brakes on A320/A321.



Code	$\bigcirc$ " "	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
03421041	25/32	28	23	17.9	80	21	36	182	1

54 INHEX sockets

for hexagon socket head screws, DIN 7422, Chrome Alloy Steel, chrome plated.



Code	$\bigcirc$ mm	L ₁ mm	L ₂ mm	d mm	Δ g	
03050004	4	60	22	22.7	68	5
03050005	5	60	22	22.7	68	5
03050006	6	60	22	22.7	71	5
03050007	7	60	22	22.7	75	5
03050008	8	60	22	22.7	79	5
03050010	10	60	22	22.7	97	5
03050012	12	60	20	23.7	122	5
03050014	14	60	20	23.7	135	5
03050017	17	60	20	27.5	186	5
03050019	19	60	20	31	242	5

54a INHEX sockets

Code	$\bigcirc$ " "	L ₁ mm	L ₂ mm	d mm	Δ g	
03450014	7/32	60	22	22.7	70	5
03450016	1/4	60	22	22.7	75	5
03450020	5/16	60	22	22.7	81	5
03450024	3/8	60	22	22.7	97	5
03450028	7/16	60	22	22.7	103	5
03450032	1/2	60	20	23.7	125	5
03450034	9/16	60	20	23.7	137	5
03450036	5/8	60	20	27.5	169	5
03450040	3/4	60	20	31	244	2

54/10 INHEX socket set No 54

sizes 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm



Code	Δ g
96030508	1655

in sturdy sheet steel case

ES 54/54KK



175 x 350 x 38 mm, 14 pieces

Code	Δ g
96838114	1630
No 54	1/2" $\bigcirc$ sizes 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
No 54KK	1/2" $\bigcirc$ sizes 5; 6; 8; 10 mm
83812046	Empty tray 108

TCS 54/54X/16

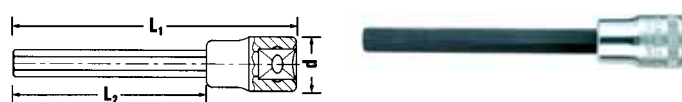


175 x 350 x 35 mm, 16 pieces

Code		ΔΔ	g
96838762			1665
No 54	1/2" O sizes 4; 5; 6; 7; 8; 10; 12; 14; 17 mm		
No 54X	1/2" O sizes M5; M6; M8; M10; M12; M14; M16		

INHEX sockets

for hexagon socket head screws, extra long, DIN 7422, Chrome Alloy Steel, chrome plated.

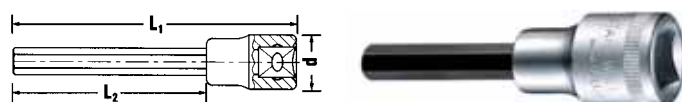


Code	No	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03151205	2054/5	5	120	82	22.7	78	5
03151206	2054/6	6	120	82	22.7	84	5
03151207	2054/7	7	120	82	22.7	96	5
03151208	1054/8K	8	120	82	22.7	104	5
03151410	1054/10	10	140	102	22.7	150	5
03151412	1054/12¹⁾	12	140	100	23.7	197	5
03151414	2054/14	14	140	100	23.7	231	5

¹⁾ For fitting radiators

INHEX sockets

for hexagon socket head screws, special lengths, DIN 7422, Chrome Alloy Steel, chrome plated.



Code	No	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03151805	1054/5	5	180	20	22	118	5
03150706	1054/6	6	70	32	22.7	72	5
03151006	3054/6¹⁾	6	100	62	22.7	80	5
03152206	1054/6L	6	220	182	22.7	108	5
03151007	1054/7	7	100	62	22.7	87	5
03150808	3054/8	8	80	42	22.7	88	5
03151408	1054/8	8	140	102	22.7	114	5
03150713	1054/13	13	70	25	24	130	5

¹⁾ for intake manifolds on 5-cylinder diesel engines on VW/Audi and T4 vans


ES 1054/2054



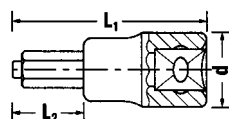
175 x 175 x 30 mm, 6 pieces

Code		ΔΔ	g
96838164			900
No 1054	1/2" O sizes 8; 10; 12 mm		
No 2054	1/2" O sizes 5; 6; 14 mm		
83812081	Empty tray		55

54IC

INHEX sockets

for hexagon socket head screws with guide pin, Chrome Alloy Steel, chrome plated.



Code	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03070005	5	60	22	22.7	70	5
03070006	6	60	22	22.7	71	5
03070008	8	60	22	22.7	70	5
03070010	10	60	22	22.7	95	5
03070012	12	60	20	23.7	120	5
03070014	14	60	20	23.7	131	5

54KK

INHEX sockets

with ball point hexagon, for hexagon socket head screws, swivel angle up to 25° each side, Chrome Alloy Steel, chrome plated.



Code	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03280005	5	100	62	22.7	75	5
03280006	6	100	62	22.7	80	5
03280007	7¹⁾	100	62	22.7	84	5
03280008	8	100	62	22.7	95	5
03280010	10	100	62	22.7	120	5

¹⁾ Application: BMW brakes

ES 54KK/5



175 x 175 x 30 mm, 5 pieces

Code		ΔΔ	g
96838165			505
No 54KK	1/2" O sizes 5; 6; 7; 8; 10 mm		
83812051	Empty tray		55