

3 SOCKET SETS AND SOCKETS

1/4"-drive
>> Page 110



3/8"-drive
>> Page 126



1/2"-drive
>> Page 139



3/4"-drive
>> Page 157



1"-drive
>> Page 160



CROW-RING-, CROW-FOOT spanners,
adaptors
>> Page 161



Empty boxes and trays
>> Page 164



Reliable and safe.

Sets of socket spanners and inserts.



It does not matter whether it is ratchets, adapters or inserts – users can be sure they will get premium quality every time. STAHLWILLE tool cases made of robust ABS plastic facilitate everyday work thanks to their low weight and many well thought-out details. STAHLWILLE sockets are made of HPQ® high-performance steel and are extremely resilient but thin-walled and gentle on fastener heads. And the broad range of ratchets, drives and adapters always ensures the perfect choice of tools for the job.



UNMISTAKEABLE.

The laser-cut map on the inside of the lid provides an excellent overview of the tools contained in the case.



RESILIENT.

High Performance Quality (HPQ®)
High-performance steel – extremely resilient, yet thin-walled and ideal for working in confined spaces.

ROBUST.

Particularly resilient to loads thanks to the torsion resistant body construction and hard-wearing ABS plastic.

SAFE.

A high-grade, chemical-resistant hard-foam inlay ensures tools are held firmly in place. The catches are easy to operate but still secure.

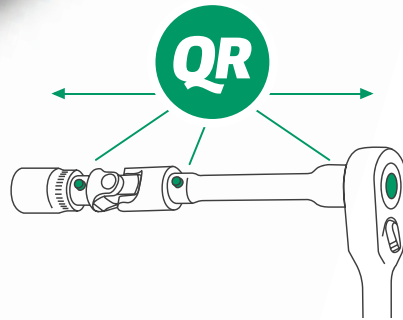


GENTLE.

The special AS Drive* permits high transmission of forces to the flats of nuts and bolts without damaging them.

* Anti-Slip drive





FAST.

QuickRelease enables rapid tool changes and secures them reliably during work operations.

FOD

FOD* COMPLIANT.

The preferred choice in safety-relevant fields such as aerospace, thanks to the screwless design.

* Foreign Object Damage



EFFICIENT.

Eighty teeth provide a ratchet angle of only 4.5° – facilitating efficient working in confined spaces. In contrast to conventional fine-tooth ratchets, no less than eight teeth engage at once here, ensuring maximum load capacity and, at the same time, smooth action and durability.



VERSATILE.

The STAHLWILLE fine tooth ratchet family has convincing features: the 2-component or steel-handled grip, the bit ratchet, fine-tooth flexible-joint ratchet or the Hi-Lok version.



Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

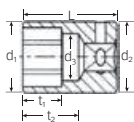
3

40D

Sockets

AS drive HPQ

- DIN 3124/ISO 2725-1, E DIN EN 3709, ASME B 107.5M
- 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	g	
01030005	5	7.9	10.7	4	23	4.5	15	9	10
01030055	5.5	8.5	10.7	4.5	23	6	15	9	10
01030006	6	9.2	10.7	5	23	6	15	9	10
01030007	7	10.7	10.7	6	23	6.5	13.4	10	10
01030008	8	11.6	11.6	7	23	8	13.1	11	10
01030009	9	12.8	12.8	8	23	8	12.8	13	10
01030010	10	14.3	14.3	9	23	8	14.9	16	10
01030011	11	15.5	15.5	10	23	9	14.6	19	10
01030012	12	16.5	16.5	11	23	9.5	14.3	23	10
01030013	13	17.8	17.8	12	23	9.5	14	25	10
01030014	14	18.8	18.8	13	24	10	14.7	30	10

40aD

Sockets

AS drive HPQ

- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads)
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
01530010	5/32	6.7	10.7	3.2	23	3.5	15	7	10
01530012	3/16	7.6	10.7	4	23	4.5	15	7	10
01530014	7/32	8.6	10.7	5	23	6	15	9	10
01530016	1/4	9.4	10.7	5.5	23	6	15	8	10
01530018	9/32	10.7	10.7	6.6	23	6.5	13.2	8	10
01530020	5/16	11.6	11.6	7	23	8	13.1	11	10
01530022	11/32	12.7	12.7	8.1	23	8	13.3	13	10
01530024	3/8	13.7	13.7	8.3	23	8	13.3	16	10
01530028	7/16	15.8	15.8	10	23	9	14.6	21	10
01530032	1/2	17.3	17.3	11.5	23	9.5	14.1	26	10
01530034	9/16	18.8	18.8	13.1	24	10	14.7	30	10

40aD/10CL

Set sockets with clip strip

AS drive HPQ

- content 10 pieces: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 1 clip strip No 40CL-2



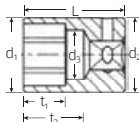
Code	g
96015310	200

40

Sockets

AS drive HPQ

- 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	g	
01010003	3	5.6	10.7	2.5	23	2	15	7	10
01010032	3.2	5.6	10.7	2.5	23	2	15	8	10
01010035	3.5	6	10.7	2.5	23	2.5	15	8	10
01010004	4	6.7	10.7	3.2	23	3.5	15	9	10
01010045	4.5	7.3	10.7	3.7	23	4	15	9	10
01010005	5	7.9	10.7	4	23	4.5	15	8	10
01010055	5.5	8.5	10.7	4.5	23	6	15	9	10
01010006	6	9.2	10.7	5	23	6	15	9	10
01010007	7	10.7	10.7	6	23	6.5	13.4	10	10
01010008	8	11.6	11.6	7	23	8	13.1	11	10
01010009	9	12.8	12.8	8	23	8	12.8	14	10
01010010	10	14.3	14.3	9	23	8	14.9	17	10
01010011	11	15.5	15.5	10	23	9	14.6	19	10
01010012	12	16.5	16.5	11	23	9.5	14.3	24	10
01010013	13	17.8	17.8	12	23	9.5	14	26	10
01010014	14	18.8	18.8	13	24	10	14.7	30	10

40a

Sockets

AS drive HPQ

- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads)
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
01410008	1/8	5.6	10.7	2.5	23	2	15	7	10
01410010	5/32	6.7	10.7	3.2	23	3.5	15	9	10
01410012	3/16	7.6	10.7	4	23	4.5	15	9	10
01410014	7/32	8.6	10.7	5	23	6	15	9	10
01410016	1/4	9.4	10.7	5.5	23	6	15	9	10
01410018	9/32	10.7	10.7	6.6	23	6.5	13.2	10	10
01410020	5/16	11.6	11.6	7	23	8	13.1	12	10
01410022	11/32	12.7	12.7	8.1	23	8	13.3	14	10
01410024	3/8	13.7	13.7	8.3	23	8	13.3	16	10
01410028	7/16	15.8	15.8	10	23	9	14.6	15	10
01410032	1/2	17.3	17.3	11.5	23	9.5	14.1	27	10
01410034	9/16	18.8	18.8	13.1	24	10	14.7	31	10

STAHLWILLE
AS drive



AS
DRIVE

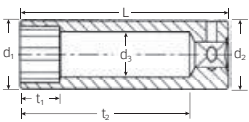
STAHLWILLE sockets are equipped with the AS Drive* profile, which permits high transmission of forces to the flats of nuts and bolts without damaging them.

* Anti-Slip drive

40DL Sockets



- extra deep
- E DIN EN 3710, E DIN EN 3709, DIN 3124/ISO 2725-1, ASME B 107.5M
- 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	g	
01240005	5	7.9	10.7	4	50	4.5	42	15	5
01240055	5.5	8.5	10.7	4.5	50	6	42	16	5
01240006	6	9.2	10.7	5	50	6	42	18	5
01240007	7	10.7	10.7	6	50	6.5	40.9	21	5
01240008	8	11.6	11.6	7	50	8	40.1	23	5
01240009	9	12.8	12.8	8	50	8	39.8	30	5
01240010	10	14.3	14.3	9	50	9	41.9	35	5
01240011	11	15.5	15.5	10	50	10.5	41.6	40	5
01240012	12	16.5	16.5	11	50	12	41.3	47	5
01240013	13	17.8	17.8	12	50	12	41	50	5
01240014	14	18.8	18.8	13	50	15	40.7	57	5

40aDL Sockets



- extra deep
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
01640010	5/32	6.7	10.7	3.2	50	4.5	42	13	5
01640012	3/16	7.6	10.7	4	50	4.5	42	15	5
01640014	7/32	8.6	10.7	5	50	6	42	16	5
01640016	1/4	9.4	10.7	5.2	50	6	42	19	5
01640018	9/32	10.7	10.7	6.5	50	8	40.2	20	5
01640020	5/16	11.6	11.6	7	50	8	40.1	24	5
01640022	11/32	12.7	12.7	8.1	50	9	39.7	26	5
01640024	3/8	13.7	13.7	8.3	50	9	39.7	33	5
01640028	7/16	15.8	15.8	10	50	10.5	41.6	42	5
01640032	1/2	17.3	17.3	11.5	50	12	41.1	44	5
01640034	9/16	18.8	18.8	13.1	50	15	40.7	55	5

40aDL/7 Set sockets



- extra deep
- content 7 pieces: 3/16; 1/4; 5/16; 3/8; 7/16; 1/2; 9/16"
- packed in carton



Code	g
96016401	241

40aDL/10CL Set sockets with clip strip



- content 10 pieces: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 1 clip strip No 40CL-2

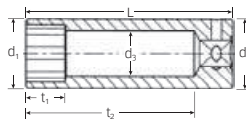


Code	g
96016410	350

40aDV Sockets



- SAE AS 954, S.B.A.C. AS 40605/40606
- HPQ® high performance steel, chrome plated

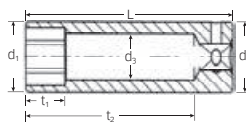


Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
01650014	7/32	8.6	10.7	5	31.8	6	23.8	12	10
01650016	1/4	9.4	10.7	5.2	31.8	6	23.8	13	10
01650018	9/32	10.7	10.7	6.6	31.8	6.5	22	13	10
01650020	5/16	11.6	11.6	7	31.8	8	21.9	15	10

40L Sockets



- extra deep
- DIN 3124/ISO 2725-1, ASME B 107.5M, E DIN EN 3710, 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	g	
01020032	3.2	5.6	10.7	2.5	50	2	37.5	12	10
01020004	4	6.7	10.7	3.2	50	3.5	42	14	10
01020045	4.5	7.3	10.7	3.7	50	4	42	15	10
01020005	5	7.9	10.7	4	50	4.5	42	16	10
01020055	5.5	8.5	10.7	4.5	50	6	42	17	10
01020006	6	9.2	10.7	5	50	6	42	18	10
01020007	7	10.7	10.7	6	50	6.5	40.9	24	10
01020008	8	11.6	11.6	7	50	8	40.1	27	10
01020009	9	12.8	12.8	8	50	8	39.8	31	10
01020010	10	14.3	14.3	9	50	9	41.9	38	10
01020011	11	15.5	15.5	10	50	10.5	41.6	43	10
01020012	12	16.5	16.5	11	50	12	41.3	49	10
01020013	13	17.8	17.8	12	50	12	41	56	10

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

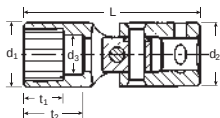
ISO
1174-1

3

402 UNIFLEX sockets

HPQ AS

- 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	
01140006	6	9.2	12.7	5	32	5.5	10	16	5
01140007	7	10.4	12.7	6	33.5	6	11.5	16	5
01140008	8	11.6	12.7	6.7	35	8	13	17	5
01140009	9	13	12.7	8	36	8	12	20	5
01140010	10	14.2	12.7	9	38	12	14	21	5

402a UNIFLEX sockets

HPQ AS

- SAE AS 954, ASME B 107.1
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
01540014	7/32	8.6	12.7	4.8	32	5.5	10	17	5
01540016	1/4	9.6	12.7	5.2	32	5.5	10	16	5
01540018	9/32	11	12.7	6.4	32	6.5	10	19	5
01540020	5/16	11.6	12.7	6.7	35	8	13	17	5
01540022	11/32	12.7	12.7	8	35	7.5	11.5	19	5
01540024	3/8	13.6	12.7	9	38	8.6	13.1	20	5
01540028	7/16	15.7	12.7	10.5	39.5	10.7	15	23	5
01540032	1/2	17.3	12.7	12	41.5	11.1	16.5	27	5

402a/5 Set UNIFLEX sockets

HPQ AS

Content 5 pieces:
No 402a: 1/4; 5/16; 3/8; 7/16; 1/2"

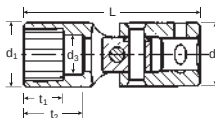


Code	Δg g
96015401	101

402aK UNIFLEX sockets

HPQ AS

- short version
- HPQ® high performance steel, chrome plated

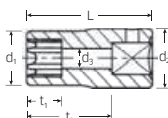


Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
01541024	3/8	13.6	12.7	6.7	34	9.1	12.0	19	5
01541034	9/16	19	12.7	13.1	37.5	10.3	11.8	25	5

40TX Sockets

HPQ

- for external TORX® screws
- HPQ® high performance steel, chrome plated

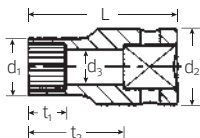


Code	size	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
01270004	E4	3.8	5.6	10.7	2	23	4.5	15	8	10
01270005	E5	4.7	6.7	10.7	2.8	23	5	15	7	10
01270006	E6	5.7	8	10.7	3.6	23	5.5	15	10	10
01270007	E7	6.2	9.6	10.7	3.8	23	6.5	15	10	10
01270008	E8	7.5	10.5	11.6	4.3	23	7	15	10	10
01270010	E10	9.4	12.7	12.7	5.6	23	9	15	17	10

40aSP Sockets

HPQ

- for external spline-drive screws
- MS-33787, MIL-W-8982
- HPQ® high performance steel, chrome plated

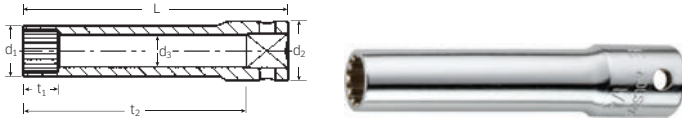


Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
01011007	7	7/32	8.6	10.7	5	22.2	6	14.2	7	1
01011008	8	1/4	9.5	10.7	5.6	22.2	7	14.2	10	1
01011009	9	9/32	11.2	11.2	6.6	22.2	8	12.4	10	1
01011010	10	5/16	11.6	11.6	7.1	22.2	8	12.2	12	1
01011012	12	3/8	13.8	13.8	8.6	23	8.7	12.6	18	1
01011014	14	7/16	15.7	15.7	10.4	25	10.7	14.1	24	1

40aLSP Sockets

HPQ

- for external spline-drive screws
- long, extra deep bolt clearance
- MS-33787, MIL-W-8982
- HPQ® high performance steel, chrome plated



Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg	
01021007	7	7/32	8.6	10.7	5	50.8	6	42.8	18	1
01021008	8	1/4	9.5	10.7	5.6	50.8	8	42.8	24	1
01021010	10	5/16	11.6	11.6	7.1	50.8	8	40.8	27	1

402aSP Uniflex sockets

HPQ

- for external spline-drive screws
- MS-33787, MIL-W-8982
- HPQ® high performance steel, chrome plated



Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg	
01542016	8	1/4	9.5	12.7	5.6	32	6.4	9.8	16	5
01542020	10	5/16	11.6	12.7	7.1	35	8	13	18	5

41K Screwdriver sockets

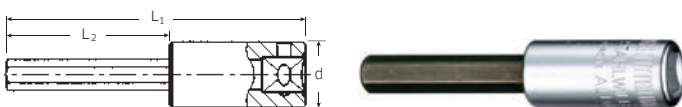
- for slotted screws
- blades to DIN 5264
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	a mm	b mm	Δg	
01280006	0.6x3.5	28	16	11.6	0.6	3.5	10	5
01280008	0.8x4	28	16	11.6	0.8	4	10	5
01280010	1x5.5	28	16	11.6	1	5.5	11	5
01280012	1.2x8	28	16	11.6	1.2	8	12	5

44 INHEX sockets

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



Code	mm	L ₁ mm	L ₂ mm	d mm	Δg	
01050003	3	55	30	10.7	20	5
01050004	4	55	30	10.7	20	5
01050005	5	55	30	10.7	25	5
01050006	6	55	30	11.6	30	5

44a INHEX sockets

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

Code	"	L ₁ mm	L ₂ mm	d mm	Δg	
01450004	1/16	55	30	10.7	11	5
01450005	5/64	55	30	10.7	12	5
01450006	3/32	55	30	10.7	14	5
01450007	7/64	55	30	10.7	17	5
01450008	1/8	55	30	10.7	12	5
01450009	9/64	55	30	10.7	13	5
01450010	5/32	55	30	10.7	14	5
01450012	3/16	55	30	10.7	17	5
01450014	7/32	55	30	10.7	19	5
01450016	1/4	55	30	11.6	24	5

44K INHEX sockets

- for socket head screws
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	Δg	
01120003	3	28	16	11.6	10	5
01120004	4	28	16	11.6	10	5
01120005	5	28	16	11.6	10	5
01120006	6	28	16	11.6	10	5
01120008	8	28	16	11.6	15	5

44KTX Screwdriver sockets

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



Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δg	
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	12	5
01350040	T40	6.6	28	16	11.6	12	5

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

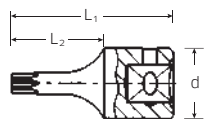
DIN
3120

ISO
1174-1

44KTXB

Screwdriver sockets

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

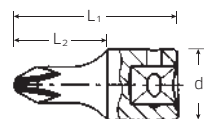


Code	size	mm	L ₁ mm	L ₂ mm	d mm	△ g	
0135 1008	T8	2.3	28	16	11.6	10	5
0135 1009	T9	2.5	28	16	11.6	10	5
0135 1010	T10	2.7	28	16	11.6	10	5
0135 1015	T15	3.3	28	16	11.6	10	5
0135 1020	T20	3.8	28	16	11.6	10	5
0135 1025	T25	4.4	28	16	11.6	11	5
0135 1027	T27	5.0	28	16	11.6	10	5
0135 1030	T30	5.5	28	16	11.6	11	5
0135 1040	T40	6.6	28	16	11.6	10	5

44P

Screwdriver sockets

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

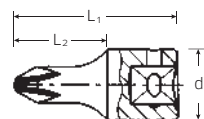


Code	PH size	L ₁ mm	L ₂ mm	d mm	△ g	
0129 0001	1	28	16	11.6	12	5
0129 0002	2	28	16	11.6	11	5
0129 0003	3	28	16	11.6	12	5
0129 0004	4	28	16	11.6	14	5

44PZ

Screwdriver sockets

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



Code	PZ size	L ₁ mm	L ₂ mm	d mm	△ g	
0130 0001	1	28	16	11.6	10	5
0130 0002	2	28	16	11.6	11	5

40CL

Clip strips

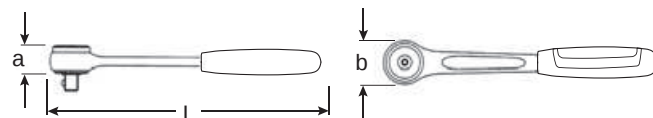
- for socket retention
- supplied without sockets



Code	size	L mm	△ g
8040 0001	1	200	36
8040 0002	2	300	52

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	△ g	
1123 10 11	118	24	19.5	100	1

415

Ratchet

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



Code	L mm	b mm	a mm	△ g	
1111 10 10	117	22	13	80	5

415QR

QuickRelease ratchet

- reversible
- 22 teeth
- with QuickRelease safety lock
- with 2-component handle
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	△ g	
1111 00 20	117	22	13	79	1

415QR N

QuickRelease ratchet, fine tooth

- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	△ g	
1111 10 20	117	22.6	10.7	79	1

415SG-QR N QuickRelease ratchet, fine tooth

QR F2D 80 4.5°

- reversible
- 80 teeth
- with QuickRelease safety lock
- with steel handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
11 11 1030	117	22.6	10.7	86	1

418QR Mini QuickRelease ratchet, fine tooth

QR F2D 80 4.5°

- 90 mm short version
- reversible
- 80 teeth
- with QuickRelease safety lock
- with steel handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
11 11 1050	90	22.5	12.2	74	1

415QRL N QuickRelease ratchet, fine tooth

QR F2D 80 4.5°

- long
- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
11 11 1040	153	22.6	10.7	94	1

415B Bit ratchet

- reversible
- 22 teeth
- with 2-component handle
- with inside hexagon 1/4"
- DIN 3126/ISO 1173 D 6.3
- for bit 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	g	
11 13 1011	117	22	12	76	5

4155GB N Bit ratchet, fine tooth

F2D 80 4.5°

- reversible
- 80 teeth
- with steel handle
- inside hexagon 1/4"
- DIN 3126/ISO 1173 D 6.3
- for bit screwdriver sockets 1/4"
- internal hex drive with a collar-thrust spring
- 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)
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage



Code	L mm	b mm	a mm	g	
11 13 2020	117	22.6	10.7	85	5

418B Mini bit ratchet, fine tooth

F2D 80 4.5°

- 90 mm short version
- reversible
- 80 teeth
- with steel handle
- inside hexagon 1/4"
- DIN 3126/ISO 1173 D 6.3
- for bit screwdriver sockets 1/4"
- internal hex drive with a collar-thrust spring
- 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)
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage



Code	L mm	b mm	a mm	g	
11 13 3030	90	22.5	11	70	1

416QR QuickRelease fine-tooth flexible-joint ratchet

QR F2D 80 4.5°

- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- handle may be raised or lowered by approx. 90°, lockable in following positions:
 - straight
 - 30° up
 - 60° up
 - 30° down
- release the lock by pressing the button in the handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO3315
- registered design



Code	L mm	b mm	a mm	g	
11 26 1010	170	22.5	12	170	1

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

415QR N/7 Set of wrenches

QR

- in sturdy, stackable ABS plastic case

Content 7 pieces:

1 ratchet No 415QR N

3 extensions

No 405QR/2 (54 mm),

No 405QR/4 (102 mm),

No 405QR/6 (150 mm)

1 universal joint No 407QR

1 drive handle No 400QR

1 T-handle No 404QR



Code	ΔΔ g
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96014010	758
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4110 Spare parts set for ratchet No 411

Content 7 pieces:

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

Code	ΔΔ g
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19200001	47
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4150 Spare parts set for ratchet No 415

Content 9 pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs;

2 screws M 1.7 x 8; 1 cover plate

Code	ΔΔ g
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19010000	26
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4150QR Spare parts set for ratchet No 415QR

QR

Content 11 pieces:

1 pinion; 1 pawl; 2 levers with pin; 1 ball; 2 compression springs;

2 screws M 1.7 x 8; 2 cover plates

code	ΔΔ g
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19011020	24
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4150QR N Spare parts set for ratchet No 415QR N, 415QRL N, 415SG-QR N, 416QR, 418QR

QR

Content 9 pieces:

1 pinion; 1 locking disc; 1 lever; 1 pin; 1 ball; 1 compression spring;

2 circlips; 1 cover plate

Code	ΔΔ g
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19012020	21
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4150B Spare parts set for ratchet No 415B

Content 9 pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs;

2 screws M 1.7 x 8; 1 cover plate

Code	ΔΔ g
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19010011	20
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4151 Spare parts set for ratchet No 415SG N

NEW

Content 9 pieces:

1 pinion; 1 locking disc; 1 lever; 1 pin; 1 ball; 1 compression spring;

2 circlips; 1 cover plate

Code	ΔΔ g
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19010012	22
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400 Drive handle

- DIN 3122/ISO 3315



Code	L mm	ΔΔ g	☐
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11050010	150	70	5
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400QR QuickRelease drive handle

QR

- DIN 3122/ISO 3315
- with QuickRelease safety lock
- patent



Code	L mm	ΔΔ g	☐
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11051010	150	80	1
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400 Drill Drive handle

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



Code	L mm	ΔΔ g	☐
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11050011	150	105	5
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401 Drive handle

- flexible shaft (right hand rotation only)
- maximum torque 5 N·m



Code	L mm	ΔΔ g	☐
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11053002	240	130	5
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403 Flexible handle

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



Code	L mm	g	
11061010	154.5	70	1

404 Sliding T-handle

- DIN 3122/ISO 3315



Code	L mm	g	
11070000	116	38	5

404QR QuickRelease sliding T-handle

QR

- with QuickRelease safety locks
- patent



Code	L mm	g	
11071000	116	50	1

413QR QuickRelease speeder brace

QR

- with steel handle
- for greater axial power transmission, detachable palm head
- working radius 70 mm
- with QuickRelease safety lock
- patent



Code	L mm	g	
11100005	440	354	1

405 Extensions

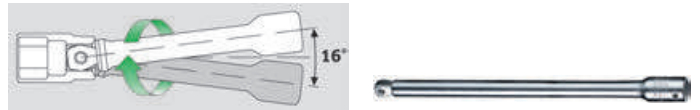
- DIN 3123/ISO 3316



Code	size	L mm	d mm	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 Wobble-Drive extensions

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



Code	size	L mm	d mm	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

QR

- patent
- DIN 3123/ISO 3316



Code	size	L mm	d mm	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	145	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	g	
11040000	152	11.6	61	5

407 Universal joint

- DIN 3123/ISO 3316

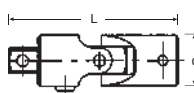


Code	L mm	d mm	g	
11020000	37	12.8	23	5

407QR QuickRelease universal joint

QR

- with QuickRelease safety lock
- patent



Code	L mm	g	
11021000	45	35	1

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

5513 Set of adaptors

content 5 pieces:

- No 409, 1/4" socket x 3/8" plug
- No 431, 3/8" socket x 1/4" plug
- No 432, 3/8" socket x 1/2" plug
- No 513, 1/2" socket x 3/8" plug
- No 514, 1/2" socket x 3/4" plug



Code	ΔΔ g
96 12 1003	648

409 Extending adaptor

HPQ

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



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

409M/432M/514M/3 Set extending adaptors

content 3 pieces:

- 1/4" socket x 3/8" plug
- 3/8" socket x 1/2" plug
- 1/2" socket x 3/4" plug



Code	ΔΔ g
96 12 1002	120

409M Extending adaptor

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



Code	L mm	∅ mm	ΔΔ g	
11030010	13	28	14	1

410 Extending adaptor

HPQ

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



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

412 Bit holder

HPQ

- 1/4" inside hexagon
- DIN 3126/ISO 1173 D 6.3
- internal hex drive with a collar-thrust spring
- 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	ΔΔ g	
11 1800 10	25	11.6	14	5

412-1 Bit holder

HPQ

- 1/4" inside hexagon
- DIN 3126/ISO 1173 D 6.3
- outer size of handle, octagon 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
- 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	mm	L mm	d mm	ΔΔ g	
11 1800 20	10	20	11.6	11	5

417/1 Locking adaptor

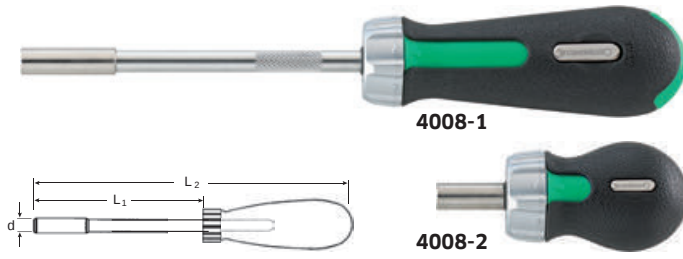
- with hexagon key wrench
No 10760aCV 3/32"



Code	L mm	d mm	ΔΔ g	
96 11 2701	42	13	23	1

4008 Ratcheting bit holder

- easy change of direction (anticlockwise, clockwise and fixed) by simply twisting the locking ring
- ergonomically designed, non-slip 2-component handle for optimum force transmission
- storage compartment for 6 bits in the handle; push button to open (size 1)
- for bit screwdriver inserts with external hex 1/4" DIN 3126/ISO 1173 Type C 6.3
- 1/4" sockets can be used with adaptor No 3115/1 (external hex and square drive 1/4")
- easy bit change thanks to internal hex. drive with magnet
- knurled spin section for faster screw advance
- heavy-duty mechanism with 48 teeth (7.5° working angle)



Code	size	Ø	"	L ₁ mm	L ₂ mm	d mm	△△ g	📦
18 12 0001	1	D 6.3	1/4	127	250	10	220	1
18 12 0002	2	D 6.3	1/4	25	95	10	137	1

inside Ø DIN 3126/ISO 1173

4008/27/1R Ratcheting bit holder set

- in sturdy, stackable ABS plastic case

Content 29 pieces:

1 ratcheting bit holder No 4008-1

3 bits ⊕ 1221-1223: PH1; PH2; PH3

3 bits ⊕ PZ1221-PZ1223:

PZ1; PZ2; PZ3

6 bits ⊕ 1440-1446:

T10; T15; T20; T25; T30; T40

3 bits ● 1301-1303: 4 mm; 5 mm; 6 mm

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" □

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



Code	△△ g
96 18 2203	955

Tools for Hi-Lok bolts

40aD/8/1H Socket set

- for Hi-Lok bolts
- in sturdy, stackable ABS plastic case

Content 9 pieces:

5 sockets with bi-hexagon No 40aD: 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 N



Code	△△ g
96016303	556

415SGH N Hi-Lok-ratchet, fine tooth

F2D 80 4.5°

- reversible
- 80 teeth
- patent
- axially drilled pinion, locking facility for sockets
- for use on Hi-Lok bolts in the aerospace industry
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage



Code	L mm	b mm	a mm	△△ g	📦
11 11 00 10	117	22.6	10.7	88	5

4152 Spare parts set for ratchet No 415SGH N

NEW

Content 9 pieces:

1 pinion; 1 locking disc; 1 lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Code	△△ g
1901 00 13	21

414H Hi-Lok extensions

- with lock-on facility as on ratchet No 415SGH N
- patent



Code	size	L mm	d mm	△△ g	📦
11 24 00 11	2	54	13	34	1
11 24 00 12	4	102	13	49	1
11 24 00 13	6	152	13	66	1

10759 Hi-Lok offset screwdrivers

- with hexagon end for ratchet No 415SGH N
- round shaft on screwdriver enables locking of ball retainer
- patent



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

10759a Hi-Lok offset screwdrivers

- with hexagon end for ratchet No 415SGH N
- round shaft on screwdriver enables locking of ball retainer
- patent

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

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

40/9/4 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 13 pieces:
 - 9 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 10; 11; 13 mm
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407



Code	 g
96011119	696

40D/9/4 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 13 pieces:
 - 8 sockets with bi-hexagon No 40D: 4; 5; 5.5; 6; 7; 8; 10; 11; 13 mm
 - 1 socket with hexagon No 40: 4 mm
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407



Code	 g
96011304	696

40/13/6 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 19 pieces:
 - 13 sockets with hexagon No 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404



Code	 g
96011124	850

40/13/6QR Socket set 1/4"

-  in sturdy, stackable ABS plastic case
- Content 19 pieces:
 - 13 sockets with hexagon No 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 1 ratchet No 415QR N
 - 2 extensions No 405QR/2 (54 mm), No 405QR/6 (150 mm)
 - 1 universal joint No 407QR
 - 1 drive handle No 400QR
 - 1 T-handle No 404QR



Code	 g
96011180	876

40/23/7 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 30 pieces:
 - 12 sockets with hexagon No 40: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 4 IN HEX sockets No 44: 3; 4; 5; 6 mm
 - 3 bits  1221: PH1; 1222: PH2; 1223: PH3
 - 4 bits  1162: 0.6 x 3.5 mm; 1164: 0.8 x 4 mm; 1166: 1 x 5.5 mm; 1168: 1.6 x 8 mm
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404
 - 1 bit-holder No 412



Code	 g
96011134	1138

40D/23/7 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 30 pieces:
 - 2 sockets with hexagon No 40: 4; 4.5 mm
 - 10 sockets with bi-hexagon No 40D: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 4 IN HEX sockets No 44: 3; 4; 5; 6 mm
 - 3 bits  No 1221: PH1; 1222: PH2; 1223: PH3
 - 4 bits  1162: 0.6 x 3.5 mm; 1164: 0.8 x 4 mm; 1166: 1.0 x 5.5 mm; 1168: 1.6 x 8 mm
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404
 - 1 bit-holder No 412



Code	 g
96011305	1200

40/23/6 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 29 pieces:
 - 11 sockets with hexagon No 40: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
 - 3 screwdriver sockets  No 41K: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
 - 5 IN HEX sockets No 44K: 3; 4; 5; 6; 8 mm
 - 4 screwdriver sockets  No 44P: PH1; PH2; PH3; PH4
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404



Code	 g
96011136	998

40/23/6QR Socket set 1/4" ☐

QR

- in sturdy, stackable ABS plastic case

Content 29 pieces:

- 11 sockets with hexagon No 40: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets $\ominus$ No 41K: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 INHEX sockets No 44K: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets $\oplus$ No 44P: PH1; PH2; PH3; PH4
- 1 ratchet No 415QR N
- 2 extensions No 405QR/2 (54 mm), No 405QR/6 (150 mm)
- 1 universal joint No 407QR
- 1 drive handle No 400QR
- 1 T-handle No 404QR



Code	
	g

96011137 998

40/24/6QR Socket set 1/4" ☐

QR

- in sturdy, stackable ABS plastic case

Content 30 pieces:

- 12 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets $\ominus$ No 41K: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 INHEX sockets No 44K: 3; 4; 5; 6; 8 mm
- 2 screwdriver sockets $\oplus$ No 44P: PH1; PH2
- 2 screwdriver sockets $\oplus$ No 44PZ: PZ1; PZ2
- 1 ratchet No 415QR N
- 2 extensions No 405QR/2 (54 mm), No 405QR/6 (150 mm)
- 1 universal joint No 407QR
- 1 drive handle No 400QR
- 1 T-handle No 404QR



Code	
	g

96011182 1018

40D/23/6 Socket set 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 29 pieces:

- 11 sockets with bi-hexagon No 40D: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets $\ominus$ No 41K: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 INHEX sockets No 44K: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets $\oplus$ No 44P: PH1; PH2; PH3; PH4
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 universal joint No 407
- 1 drive handle No 400
- 1 T-handle No 404



Code	
	g

96011306 998

40ma/25/8 Socket set 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 33 pieces:

- 25 sockets with hexagon
 - No 40: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
 - No 40a: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 extension, flexible No 406 (152 mm)
- 1 universal joint No 407
- 1 drive handle No 400
- 1 flexible handle No 403
- 1 T-handle No 404



Code	
	g

96011162 1316

40/24/6 Socket set 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 30 pieces:

- 12 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets $\ominus$ No 41K: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 INHEX sockets No 44K: 3; 4; 5; 6; 8 mm
- 2 screwdriver sockets $\oplus$ No 44P: PH1; PH2
- 2 screwdriver sockets $\oplus$ No 44PZ: PZ1; PZ2
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 universal joint No 407
- 1 drive handle No 400
- 1 T-handle No 404



Code	
	g

96011138 998

40ma/25/8QR Socket set 1/4" ☐

QR

- in sturdy, stackable ABS plastic case

Content 33 pieces:

- 25 sockets with hexagon
 - No 40: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
 - No 40a: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 1 ratchet No 415QR N
- 2 extensions No 405QR/2 (54 mm), No 405QR/6 (150 mm)
- 1 extension, flexible No 406 (152 mm)
- 1 universal joint No 407QR
- 1 drive handle No 400QR
- 1 flexible handle No 403
- 1 T-handle No 404QR



Code	
	g

96010107 1324

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

40/44/17/5 Socket set 1/4"

- in sturdy, stackable ABS plastic case
- Content 22 pieces:
 - 13 sockets with hexagon No 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 4 INHEX sockets No 44: 3; 4; 5; 6 mm
 - 1 ratchet No 415
 - 1 extension No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404



Code	 g
96011113	896

40/44/17/5QR Socket set 1/4"

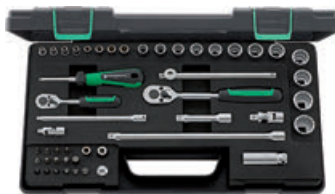
- in sturdy, stackable ABS plastic case
- Content 22 pieces:
 - 13 sockets with hexagon No 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 4 INHEX sockets No 44: 3; 4; 5; 6 mm
 - 1 ratchet 415QR N
 - 1 extension No 405QR/6 (150 mm)
 - 1 universal joint No 407QR
 - 1 drive handle 400QR
 - 1 T-handle No 404QR



Code	 g
96011181	914

40/45/36/12 Socket set 1/4"; 3/8"

- in sturdy, stackable ABS plastic case
- Content 48 pieces:
 - 12 sockets with bi-hexagon No 45: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
 - 8 sockets with hexagon No 40: 4; 4.5; 5; 5.5; 6; 7; 8; 9 mm
 - 1 socket with bi-hexagon, long, with rubber insert No 4600: 16 mm - 5/8"
 - 3 bits  1221: PH1; 1222: PH2; 1223: PH3
 - 1 bit  PZ1222: PZ2
 - 6 bits  1160: 0.5 x 3 mm; 1162: 0.6 x 3.5 mm; 1164: 0.8 x 4 mm; 1166: 1.0 x 5.5 mm; 1166/1: 1.2 x 6.5 mm; 1168: 1.6 x 8 mm
 - 5 bits  1300: 3 mm; 1301: 4 mm; 1302: 5 mm; 1303: 6 mm; 1304: 8 mm
 - 2 ratchets No 415, No 435
 - 3 extensions No 427/3 (76 mm), No 405/6 (150 mm), No 427/10 (240 mm)
 - 2 universal joints No 407, No 428
 - 1 drive handle No 400
 - 1 T-handle No 425
 - 2 bit-holder No 412, No 442
 - 1 reducing adaptor No 431



Code	 g
96012047	2712

40/52/27/11 Socket set 1/4"; 1/2"

- in sturdy, stackable ABS plastic case
- Content 38 pieces:
 - 9 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
 - 10 sockets with hexagon No 52: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
 - 3 INHEX sockets No 44: 3; 4; 5 mm
 - 5 INHEX sockets No 54: 6; 8; 10; 12; 14 mm
 - 2 ratchets No 415, No 512
 - 4 extensions No 405/2 (54 mm), No 509/5 (130 mm), No 405/6 (150 mm), No 509/10 (255 mm)
 - 2 universal joints No 407, No 510
 - 1 drive handle No 400
 - 2 T-handles No 404, No 506



Code	 g
96011160	4915

40/20/4QR SCI Socket set 1/4"

- in softcase with foam inlay
- Content 24 pieces:
 - 10 sockets with hexagon No 40: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 2 bits  1221: PH1; 1222: PH2
 - 3 bits  1301: 4 mm; 1302: 5 mm; 1303: 6 mm
 - 5 bits  1414: T10; 1415: T15; 1416: T20; 1417: T25; 1419: T30
 - 1 ratchet No 415QR N
 - 2 extensions No 405QR/2 (54 mm), No 405QR/6 (150 mm)
 - 1 bit-holder No 412



Code	 g
96010127	605

88TX Socket set TORX® 1/4"

- in sturdy, stackable ABS plastic case
- Content 36 pieces:
 - 10 sockets with hexagon No 40: sizes 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - 6 sockets for external TORX® screws No 40TX: sizes E4; E5; E6; E7; E8; E10
 - 5 INHEX sockets No 44K: sizes 3; 4; 5; 6; 8 mm
 - 9 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
 - 1 ratchet No 415
 - 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
 - 1 universal joint No 407
 - 1 drive handle No 400
 - 1 T-handle No 404



Code	 g
98819801	1190

86TX Socket set TORX® 1/4; 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 63 pieces:

- 9 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 10 sockets with hexagon No 52: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 5 sockets for external TORX® screws No 40TX: sizes E4; E5; E6; E7; E8
- 7 sockets for external TORX® screws No 50TX: sizes E10; E12; E14; E16; E18; E20; E24
- 3 INHEX sockets No 44: 3; 4; 5 mm
- 5 INHEX sockets No 54: 6; 8; 10; 12; 14 mm
- 6 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9; T10; T15; T20; T25
- 7 screwdriver sockets for internal TORX® screws No 54TX: sizes T27; T30; T40; T45; T50; T55; T60
- 2 ratchets No 415, No 512
- 4 extensions No 405/2 (54 mm), No 509/5 (130 mm), No 405/6 (150 mm), No 509/10 (255 mm)
- 2 universal joints No 407, No 510
- 1 drive handle No 400
- 2 T-handles No 404, No 506



Code	g
96013702	6500

89TX Socket set TORX® 1/4; 3/8; 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 35 pieces:

- 3 sockets for external TORX® screws No 40TX: sizes E4; E5; E6
- 2 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9
- 4 sockets for external TORX® screws No 45TX: sizes E7; E8; E10; E12
- 5 screwdriver sockets for internal TORX® screws No 49TX: sizes T10; T15; T20; T25; T27
- 6 sockets for external TORX® screws No 50TX: sizes E11; E14; E16; E18; E20; E24
- 6 screwdriver sockets for internal TORX® screws No 54TX: sizes T30; T40; T45; T50; T55; T60
- 7 bits 1440: T10; 1441: T15; 1442: T20; 1443: T25; 1444: T27; 1445: T30; 1446: T40
- 1 bit-holder No 442
- 1 TORX® controller: sizes E6; E7; E8; E10; E12; E14; E16; T10; T15; T20; T25; T27; T30; T40; T45; T47; T50; T55; T60



Code	g
98811908	2420

40TX/44KTX/15/6 Socket set TORX® 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 21 pieces:

- 6 sockets for external TORX® screws No 40TX: sizes E4; E5; E6; E7; E8; E10
- 9 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9; T10; T15; T20; T25; T27; T30; T40
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 universal joint No 407
- 1 drive handle No 400
- 1 T-handle No 404



Code	g
96013701	850

40a/9/4 Socket set 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 13 pieces:

- 9 sockets with hexagon No 40a: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 universal joint No 407



Code	g
96015107	702

40aD/9/4 Socket set 1/4" ☐

- in sturdy, stackable ABS plastic case

Content 13 pieces:

- 9 sockets with bi-hexagon No 40aD: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"
- 1 ratchet No 415
- 2 extensions No 405/2 (54 mm), No 405/6 (150 mm)
- 1 universal joint No 407



Code	g
96016302	700

6,3
1/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

DIN
3120

ISO
1174-1

40aD/12/7QR Socket set 1/4"

QR

- in sturdy, stackable ABS plastic case

Content 19 pieces:

- 1 socket with hexagon No 40a: 1/8"
- 11 sockets with bi-hexagon No 40aD: 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 1 ratchet No 415SG-QR
- 3 extensions No 405QR/2 (2x) (54 mm), No 405QR/6 (150 mm)
- 1 universal joint No 407QR
- 1 drive handle No 400QR
- 1 bit-holder No 412



Code  g

96015208 872

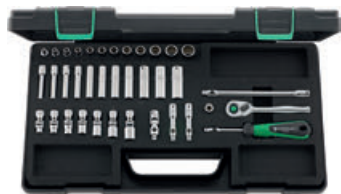
40aD/30/7QR Socket set 1/4"

QR

- in sturdy, stackable ABS plastic case

Content 37 pieces:

- 1 socket with hexagon No 40a: size 1/8"
- 11 sockets with bi-hexagon No 40aD: 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 11 sockets with bi-hexagon, long No 40aDL: 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 7 UNIFLEX sockets with bi-hexagon No 402a: 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"
- 1 ratchet No 415SG-QR
- 3 extensions No 405/2QR (2x) (54 mm), No 405/6QR (150 mm)
- 1 universal joint No 407QR
- 1 drive handle No 400QR
- 1 bit-holder No 412



Code  g

96015205 1920

ES 1/4" + 10760CV

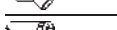
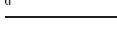


- 175 x 350 x 41 mm
- 27 pieces



Code  g

96838110 1035

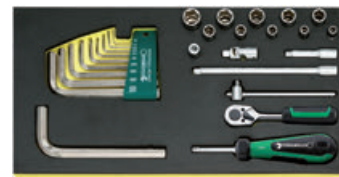
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	40	1/4"  5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	400	1/4"  150 mm
	404	1/4"  116 mm
	405/2	1/4"   54 mm
	405/6	1/4"   150 mm
	407	1/4"   38 mm
	412	1/4"  
	415	1/4" 
	10760CV	1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm

TCS 1/4" + 10760CV



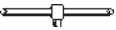
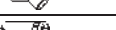
TCS

- 175 x 350 x 43 mm
- 27 pieces



Code  g

96838176 987

	No	Content
	40	1/4"  5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	400	1/4"  150 mm
	404	1/4"  116 mm
	405/2	1/4"   54 mm
	405/6	1/4"   150 mm
	407	1/4"   38 mm
	412	1/4"  
	415	1/4" 
	10760CV	1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm

TCS 1/4" + 10760CV QR

NEW



QR

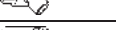
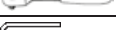
TCS

- 175 x 350 x 43 mm
- 27 pieces



Code  g

96830364 987

	No	Content
	40	1/4"  5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
	400QR	1/4"  150 mm
	404QR	1/4"  116 mm
	405QR/2	1/4"   54 mm
	405QR/6	1/4"   150 mm
	407QR	1/4"   38 mm
	412	1/4"  
	415QR N	1/4" 
	10760 CV	1.5; 2; 2.5; 3; 4; 5; 6; 8; 10; 12 mm

TCS 40/41/44/8



TCS



- 175 x 350 x 45 mm
- 33 pieces

Code	g
96830217	715

No	Content
40	1/4" 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
41K	1/4" 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
44K	1/4" 3; 4; 5; 6; 8 mm
44P	1/4" PH1; PH2; PH3; PH4
PZ1221 PZ1222	1/4" PZ1 1/4" PZ2
400	1/4" 150 mm
404	1/4" 116 mm
405/2	1/4" 54 mm
405/6	1/4" 150 mm
407	1/4" 38 mm
409	3/8" 1/4"
412	1/4"
415	1/4"

TCS 40/35/9



TCS



- 175 x 350 x 40 mm
- 44 pieces

Code	g
96830601	1045

No	Content
40	1/4" 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
40L	1/4" 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
41K	1/4" 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
44K	1/4" 3; 4; 5; 6; 8 mm
44P	1/4" PH1; PH2; PH3; PH4
400	1/4" 150 mm
404	1/4" 116 mm
405/2 405/4	1/4" 54 mm 1/4" 100 mm
405/6	1/4" 150 mm
407	1/4" 38 mm
409	3/8" 1/4"
412	1/4"
415	1/4"

TCS 40/41/44/8QR

NEW



QR

TCS



- 175 x 350 x 45 mm
- 33 pieces

Code	g
96830365	715

No	Content
40	1/4" 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
41K	1/4" 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
44K	1/4" 3; 4; 5; 6; 8 mm
44P	1/4" PH1; PH2; PH3; PH4
PZ1221 PZ1222	1/4" PZ1 1/4" PZ2
400QR	1/4" 150 mm
404QR	1/4" 116 mm
405QR/2 405QR/6	1/4" 54 mm 1/4" 150 mm
407QR	1/4" 38 mm
409	3/8" 1/4"
412	1/4"
415QR N	1/4"

TCS 40/35/9QR

NEW



QR

TCS



- 175 x 350 x 40 mm
- 44 pieces

Code	g
96830366	1045

No	Content
40	1/4" 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
40L	1/4" 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
41K	1/4" 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
44K	1/4" 3; 4; 5; 6; 8 mm
44P	1/4" PH1; PH2; PH3; PH4
400QR	1/4" 150 mm
404QR	1/4" 116 mm
405QR/2 405QR/4	1/4" 54 mm 1/4" 100 mm
405QR/6	1/4" 150 mm
407QR	1/4" 38 mm
409	3/8" 1/4"
412	1/4"
415QR N	1/4"

Socket sets and sockets

10
3/8"

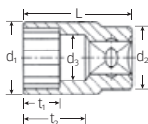
DIN
3120

ISO
1174-1

45 Sockets



- DIN 3124/ISO 2725-1, ASME B 107.5M, E DIN EN 3709
- 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	g	
02010007	7	10.5	16.5	6	24	6	12.5	19	10
02010008	8	11.7	16.5	7	25	7	13.5	19	10
02010009	9	13	16.5	8	25	7	13.5	19	10
02010010	10	14.3	16.5	9	27	8.5	15.5	20	10
02010011	11	15.6	16.5	10	27	8.5	13.7	21	10
02010012	12	16.9	17.5	11	28	9.5	14.4	24	10
02010013	13	18	17.5	12	30	11.5	16.1	30	10
02010014	14	19.4	17.5	13	30	11.5	15.8	28	10
02010015	15	20.6	19	14	31	12.5	19.2	40	10
02010016	16	21.7	19	15	31	13.5	18.9	33	10
02010017	17	23	19	16	31	12.5	18.6	44	10
02010018	18	24.2	19	17	32	13.5	19.3	39	5
02010019	19	25.2	19	18	32	13.5	19	39	5
02010020	20	26.2	20	19	34	15.5	20.7	51	5
02010021	21	27.7	21	20	34	15.5	20.5	53	5
02010022	22	28.7	21	21	35	17	21.2	61	5
02010024	24	31.5	24	21	35	18	21.2	92	5

45a Sockets



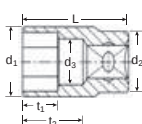
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads)
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
02410016	1/4	9.7	16.5	5.2	24	6	12.5	18	10
02410020	5/16	11.7	16.5	7	25	7	13.5	19	10
02410022	11/32	12.5	16.5	8.1	25	7	13.5	19	10
02410024	3/8	13.7	16.5	8.4	27	8.5	15.5	20	10
02410028	7/16	15.7	16.5	10	28	9.5	15.1	20	10
02410032	1/2	18	17.5	11.5	30	11.5	16.5	24	10
02410034	9/16	20.2	19	13.1	31	12.7	16.8	28	10
02410035	19/32	20.6	19	14	31	13	19.2	36	5
02410036	5/8	21.7	19	15	31	13.5	18.9	31	5
02410038	11/16	23.4	19	16.3	32	14.7	19.5	34	5
02410040	3/4	25.2	19	18	32	15.9	19	41	5
02410042	13/16	27.2	20.5	19.4	34	16.5	20.5	52	5
02410044	7/8	28.7	22	21	35	18	21	59	5
02410046	15/16	31.5	24	22.6	35	18.5	20.7	95	5
02410048	1	33	25.5	24.2	35	18.5	20.2	97	5

456 Sockets



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

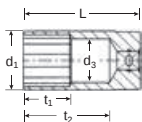


Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
02110007	7	10.5	16.5	6	24	6	12.5	19	10
02110008	8	11.7	16.5	7	25	7	13.5	19	10
02110009	9	13	16.5	8	25	7	13.5	20	10
02110010	10	14.3	16.5	9	27	8.5	15.5	20	10
02110011	11	15.6	16.5	10	27	8.5	13.7	21	10
02110012	12	16.9	17.5	11	28	9.5	14.4	24	10
02110013	13	18	17.5	12	30	11.5	16.1	25	10
02110014	14	19.4	17.5	13	30	11.5	15.8	29	10
02110015	15	20.6	19	14	31	12.5	19.2	30	10
02110016	16	21.7	19	15	31	13.5	18.9	34	10
02110017	17	23	19	16	31	12.5	18.6	45	10
02110018	18	24.2	19	17	32	13.5	19.3	42	10
02110019	19	25.2	19.6	18	32	13.5	19	43	10
02110020	20	26.2	20.5	19	34	15.5	20.7	53	10
02110021	21	27.7	21.8	20	34	15.5	20.5	59	10
02110022	22	28.7	21	21	35	17	21.2	59	10

460a Sockets



- SAE AS 954-E, S.B.A.C. AS 40610/40611, ASME B 107.1
- HPQ® high performance steel, chrome plated



Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	g	
02620016	1/4	9.9	16.5	5.2	32	7	20.5	21	5
02620020	5/16	11.5	16.5	7	32	8.5	20.5	22	5
02620024	3/8	13.7	16.5	8.5	38	9	26.5	29	5
02620028	7/16	15.7	16.5	10	38	11	24.5	33	5
02620032	1/2	17.5	17.8	11.5	44	12	30	44	5

STAHLWILLE
High Performance Quality.

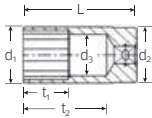


High Performance Quality (HPQ®) high-performance steel - extremely resilient, yet thin-walled and ideal for working in confined spaces.

46 Sockets



- extra deep
- DIN 3124/ISO 2725-1, E DIN EN 3710, E DIN EN 3709, ASME B 107.5M
- 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	
02020008	8	11.7	16.5	7	54	9	42.5	36	10
02020010	10	14.3	16.5	9	54	20	42.5	41	10
02020011	11	15.6	16.5	10	54	20	40.7	51	10
02020012	12	16.9	17.5	11	54	20	40.4	57	10
02020013	13	18	17.5	12	54	20	40.1	61	10
02020014	14	19.4	17.5	13	60	25	45.8	75	10
02020015	15	20.6	19	14	60	25	48.2	85	10
02020016	16	21.7	19.5	15	60	25	47.9	81	10
02020017	17	23	21	16	65	30	52.6	97	10
02020018	18	24.2	22	17	65	30	52.3	121	10
02020019	19	25.2	23	18	65	30	52	112	10
02020208	20.8-13/16 ¹⁾	27.2	25	-	65	18	-	151	10
02020021	21	27.7	25.5	20	65	30	51.5	137	5
02020022	22	28.7	26.5	21	65	30	51.2	178	5

¹⁾ with rubber insert for spark plugs

46a Sockets



- extra deep
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
02420016	1/4	9.7	16.5	5.2	54	9	42.5	33	5
02420020	5/16	11.7	16.5	7	54	9	42.5	35	5
02420022	11/32	12.5	16.5	8.1	54	9	42.5	186	5
02420024	3/8	13.7	16.5	8.4	54	20	42.5	45	5
02420028	7/16	15.7	16.5	10	54	20	40.7	53	5
02420032	1/2	18	17.5	11.5	54	20	40.2	64	5
02420034	9/16	20.2	19	13.1	60	25	45.8	80	5
02420035	19/32	20.6	19	14	60	25	48.2	84	5
02420036	5/8	21.7	19.5	15	60	25	47.9	81	5
02420038	11/16	23.4	21.5	16.3	65	30	52.5	114	5
02420040	3/4	25.2	23	18	65	30	52	137	5
02420042	13/16	27.2	25	19.4	65	30	51.6	130	5
02420044	7/8	28.7	26.5	21	65	30	51.2	184	5
02420046	15/16	31.5	29	22.6	65	30	50.7	195	5
02420048	1	33	31	24.2	65	30	50.2	205	5

5100 Rubber insert

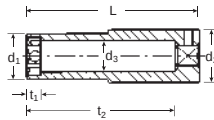
- for 20.8 mm (No 46; 51; 51S)

Code	Δg g	
09010001	6	5

3466 Spark plug socket



- extra deep
- with magnet
- HPQ® high performance steel, chrome plated

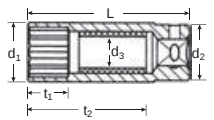


Code	mm/"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
02140036	16-5/8	21.8	25.5	15	85	7	72.9	180	5

4600 Spark plug socket



- extra deep
- with rubber insert
- HPQ® high performance steel, chrome plated

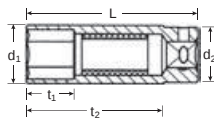


Code	mm/"	d ₁ mm	d ₂ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
02120036	16-5/8	21.7	19.5	60	15	47.8	84	10

4606 Spark plug socket



- extra deep
- with rubber insert
- HPQ® high performance steel, chrome plated



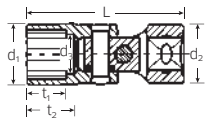
Code	mm/"	d ₁ mm	d ₂ mm	L mm	t ₁ mm	t ₂ mm	Δg g	
02130018	18-11/16	24.2	22	65	18	52.8	132	10

assembly of spark plugs on motorcycles, mopeds

47 UNIFLEX sockets



- 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	
02040010	10	14.3	17.5	9	45.5	7	12	51	1
02040011	11	15.6	17.5	10	47.5	11	14	55	1
02040012	12	16.9	17.5	11	48	11	14.5	54	1
02040013	13	18.3	17.5	12	48	12	14.5	53	1
02040014	14	19.4	17.5	13	48.5	13	14.5	55	1
02040015	15	20.6	17.5	14	48.5	13	14.5	56	1
02040016	16	21.8	17.5	15	51.5	14	17	58	1
02040017	17	23	17.5	16	53.5	15	18.5	65	1
02040018	18	24.2	17.5	17	54.5	16	18.5	61	1
02040019	19	25.5	17.5	18	57	16	21	68	1

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

10
3/8"

DIN
3120

ISO
1174-1

47a UNIFLEX sockets

HPQ AS

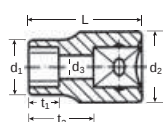
- SAE AS 954-E
- HPQ® high performance steel, chrome plated

Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
02440020	5/16	11.7	17.5	7	45.5	7	12.5	50	1
02440024	3/8	13.7	17.5	8.5	45.5	7	12	50	1
02440028	7/16	15.8	17.5	10	47.5	11	14	50	1
02440032	1/2	18.3	17.5	11.5	47.5	11.5	14	57	1
02440034	9/16	19.7	17.5	13.1	48.5	13	14.5	55	1
02440036	5/8	21.6	17.5	15	51.5	14	17	59	1
02440038	11/16	23.5	17.5	16.3	53.5	16	18.5	58	1
02440040	3/4	25.5	17.5	18	57	16	21	67	1

45TX Sockets

HPQ

- for external TORX® screws
- HPQ® high performance steel, chrome plated



Code	size	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
02270005	E5	4.7	7	16.5	2.8	28	5	16.5	23	10
02270006	E6	5.7	8	16.5	3.6	28	5.5	16.5	23	10
02270007	E7	6.2	9	16.5	3.8	28	6.5	16.5	24	10
02270008	E8	7.5	10.5	16.5	4.3	28	7	16.5	22	10
02270010	E10	9.4	13	16.5	5.6	28	8	16.5	27	10
02270012	E12	11.1	14.9	16.5	7.2	28	9.5	16.5	30	10
02270014	E14	12.9	16.5	17.3	8	28	10	16.5	34	10

45TX/7 Set sockets

HPQ

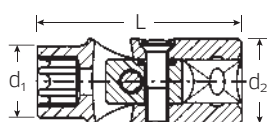
- for external TORX® screws
 - packed in carton
- Content 7 pieces:
E5; E6; E7; E8; E10; E12; E14



Code	Δ g
96022702	219

47TX UNIFLEX sockets

- for external TORX® screws
- Chrome Alloy Steel, chrome plated

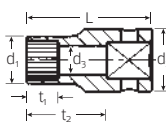


Code	size	mm	d ₁ mm	d ₂ mm	L mm	Δ g	
02070008	E8	7.5	11.5	19	43	56	1
02070010	E10	9.4	13.8	19	44	61	1
02070012	E12	11.1	16	19	46	66	1
02070014	E14	12.9	17.8	19	48	75	1

45aSP Sockets

HPQ

- for external Spline-Drive screws
- MS-33787, MIL-W-8982
- HPQ® high performance steel, chrome plated

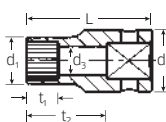


Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
02011012	12	3/8	13.7	16.5	8.6	26.5	9	15	24	1
02011014	14	7/16	16	17.3	10.4	28	11	14.5	37	1
02011016	16	1/2	18	18.3	12.2	28	11.5	14	28	1

45aPSP Socket

HPQ

- for external Spline-Drive screws
- MS-33787, MIL-W-8982
- for disassembling jet engines, series CFM 56
- HPQ® high performance steel, gunmetal finish

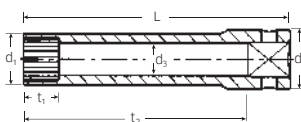


Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
22410028	14	7/16	18.8	18.8	10.4	28	11	14.5	36	10

46aSP Sockets

HPQ

- for external Spline-Drive screws
- extra deep
- bolt clearance
- MS-33787, MIL-W-8982
- HPQ® high performance steel, chrome plated

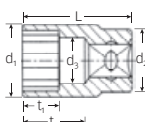


Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₂ mm	Δ g	
02021012	12	3/8	13.7	16.5	8.6	54	42.5	52	1
02021014	14	7/16	16	17.3	10.4	54	42.5	63	1

45aP Socket

AS HPQ

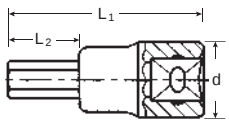
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads)
- for disassembling jet engines, series CFM 56
- HPQ® high performance steel, gunmetal finish



Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
02430020	5/16	11.9	16.5	8.1	25	7	13.5	19	10

49 IN HEX sockets

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



Code	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
02050003	3	52	20	17.8	38	5
02050004	4	52	20	17.8	40	5
02050005	5	52	20	17.8	44	5
02050006	6	52	20	17.8	46	5
02050007	7	52	20	17.8	51	5
02050008	8	52	20	17.8	55	5
02050010	10	52	20	17.8	62	5

49a IN HEX sockets

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

Code	"	L ₁ mm	L ₂ mm	d mm	Δ g	
02450008	1/8	52	20	17.8	39	5
02450009	9/64	52	20	17.8	40	5
02450010	5/32	52	20	17.8	40	5
02450012	3/16	52	20	17.8	44	5
02450014	7/32	52	20	17.8	46	5
02450016	1/4	52	20	17.8	48	5
02450020	5/16	52	20	17.8	55	5
02450024	3/8	52	20	17.8	61	5

2049 IN HEX sockets

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



Code	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
02151004	4	100	68	17.8	45	5
02151005	5	100	68	17.8	50	5
02151006	6	100	68	17.8	50	5
02151208	8	120	88	17.8	85	5
02151210	10	120	88	17.8	106	5

1049/3049 IN HEX sockets

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

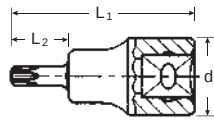


Code	No	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
02151007	1049/7	7	100	68	17.8	66	5
02152408	3049/8	8	24	6.5	19	28	5
02151009	1049/9 ¹⁾	9	57	25	17.8	62	5

¹⁾ for brake calliper retainers on BMW and MINI

49TX Screwdriver sockets

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



Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
02100009	T9	2.5	49	17	17.8	45	5
02100010	T10	2.7	49	17	17.8	45	5
02100015	T15	3.3	49	17	17.8	45	5
02100020	T20	3.8	49	17	17.8	46	5
02100025	T25	4.4	49	17	17.8	46	5
02100027	T27	5	49	17	17.8	46	5
02100030	T30	5.5	49	17	17.8	47	5
02100040	T40	6.6	49	17	17.8	48	5
02100045	T45	7.8	49	17	17.8	49	5

49TX/8 Set screwdriver sockets

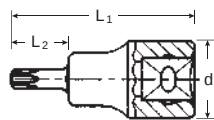
- for inside TORX® screws
 - packed in carton
- Content 8 pieces:
No 49TX: T9; T10; T15; T20; T25; T27; T30; T40



Code	Δ g
96021001	456

49X Screwdriver sockets

- for tri-square socket head screws (XZN®)
- DIN 2324
- Chrome Alloy Steel, chrome plated



Code	size	L ₁ mm	L ₂ mm	d mm	Δ g	
02060005	M5	52	20	17.8	45	5
02060006	M6	52	20	17.8	47	5
02060008	M8	52	20	17.8	56	5
02060010	M10	52	20	17.8	63	5

3049X Screwdriver sockets

- for tri-square socket head screws (XZN®)
- extra long
- DIN 2324
- Chrome Alloy Steel, chrome plated



Code	size	L ₁ mm	L ₂ mm	d mm	Δ g	
02261206	M6	120	88	17.8	72	1
02261208	M8	120	88	17.8	80	5
02261210	M10	120	88	17.8	106	5

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

10
3/8"

DIN
3120

ISO
1174-1

45CL Clip strips

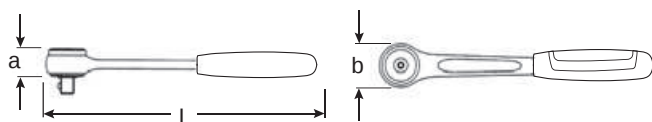
- for socket retention
- supplied without sockets



Code	size	L mm	ΔΔ g
80450001	1	200	40
80450002	2	300	58

Drive tools and accessories

- 3/8" □
- finish: Chrome Alloy Steel, chrome plated



422 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	ΔΔ g	
12231011	194	32	24	236	1

435 Ratchet

- reversible
- 30 teeth
- with 2-component handle
- DIN 3122/ISO 3315



Code	L mm	b mm	a mm	ΔΔ g	
12111010	193	29	18	235	5

435QR QuickRelease ratchet

- QR
- reversible
- 30 teeth
- with QuickRelease safety lock
- with 2-component handle
- DIN 3122/ISO 3315



Code	L mm	b mm	a mm	ΔΔ g	
12110020	193	29	18	244	1

435QR N QuickRelease ratchet, fine tooth

- QR FCD 80 4.5°
- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	ΔΔ g	
12111020	193	30	15	235	1

435SG-QR N QuickRelease ratchet, fine tooth

- QR FCD 80 4.5°
- reversible
- 80 teeth
- with QuickRelease safety lock
- with steel handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	ΔΔ g	
12111030	193	30	15	272	1

452QR QuickRelease fine-tooth flexible-joint ratchet

- QR FCD 80 4.5°
- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- handle may be raised or lowered by approx. 90°, lockable in following positions:
 - straight
 - 30° up
 - 60° up
 - 30° down
- release the lock by pressing the button in the handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO3315
- registered design



Code	L mm	b mm	a mm	ΔΔ g	
12261010	300	28.2	14.5	350	1

445 Ratchet adaptor

- reversible
- 20 teeth



Code	L mm	∅ mm	ΔΔ g	
12140000	43	30	135	1

435QR N/6 Set of wrenches

QR

- in sturdy, stackable ABS plastic case

Content 6 pieces:

1 ratchet No 435QR N

3 extensions

No 427QR/3 (76 mm),

No 427QR/6 (160 mm), No 427QR/10 (240 mm)

1 universal joint No 428QR

1 T-handle No 425QR



Code	Δ g
96 02 40 10	1375

7350/5 Spare parts set for ratchet No 422

Content 7 pieces:

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

Code	Δ g
59 25 10 05	85

4350 Spare parts set for ratchet No 435

Content 8 pieces:

1 pinion, 1 pawl, 1 lever with pin, 1 ball, 2 compression springs, 2 screws

Code	Δ g
19 02 00 00	50

4350QR Spare parts set for ratchet No 435QR

QR

Content 8 pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws

code	Δ g
19 02 00 20	51

4350QR N Spare parts set for ratchets No 435QR N, 435SG-QR N, 452QR

QR

Content 9 pieces:

1 pinion; 1 locking disc; 1 lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

code	Δ g
19 02 10 20	48

421 Speeder brace

- working radius 85 mm
- DIN 3122/ISO 3315



Code	L mm	Δ g	box
12 10 00 10	386.5	385	5

453QR QuickRelease speeder brace

QR

- with steel handle
- for greater axial power transmission, detachable palm head
- working radius 85 mm
- DIN 3122/ISO 3315
- with QuickRelease safety lock
- patent



Code	L mm	Δ g	box
12 10 00 05	408	650	1

424 Flexible handle

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



Code	L mm	Δ g	box
12 06 10 10	253.5	222	1

425 Sliding T-handle

- DIN 3122/ISO 3315



Code	L mm	Δ g	box
12 07 00 00	165	130	5

425QR QuickRelease sliding T-handle

QR

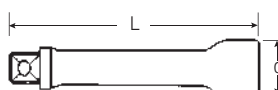
- with QuickRelease safety lock
- patent



Code	L mm	Δ g	box
12 07 10 00	165	148	1

427 Extensions

- DIN 3123/ISO 3316



Code	size	L mm	d mm	Δ g	box
12 01 00 05	1.5	38	17	36	5
12 01 00 01	3	76	17	69	5
12 01 00 06	5	125	17	104	5
12 01 00 02	6	160	17	127	5
12 01 00 03	10	240	17	188	5
12 01 00 04	18	455	17	345	5

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

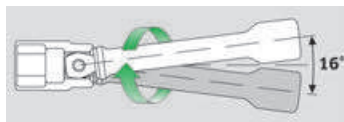
10
3/8"

DIN
3120

ISO
1174-1

427W Wobble-Drive extensions

- swivel angle 15° each side
- max. torque 80 N·m



Code	size	L mm	d mm	g	
12010007	3	76	17	67	5
12010008	5	125	17	104	5
12010009	6	160	17	127	5

427QR QuickRelease extensions

QR

- patent
- DIN 3123/ISO 3316



Code	size	L mm	d mm	g	
12011001	3	76	17	66	1
12011002	6	160	17	127	1
12011003	10	240	17	185	1

433/1 Locking adaptor

- with hexagon key wrench No 10760aCV 1/8"



Code	L mm	d mm	g	
96122701	52	18	57	1

434 Extension, flexible

- right hand rotation only
- maximum torque 7 N·m



Code	L mm	d mm	g	
12040000	194	14	109	5

1225 Special extension

- offset



Code	L mm	d mm	g	
12250001	150	17	128	5

13220 Special extension

- for removing boroscope plugs
- with boroscope plug locking
- external hexagon 16 mm



Code	L mm	g	
12270020	355	330	1

428 Universal joint

- DIN 3123/ISO 3316

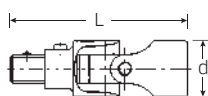


Code	L mm	d mm	g	
12020000	46	18.8	55	5

428QR QuickRelease universal joint

QR

- patent
- DIN 3123/ISO 3316
- with QuickRelease safety lock



Code	L mm	d mm	g	
12021000	60	19	66	1

5513 Set of adaptors

content 5 pieces:

- No 409, 1/4" socket x 3/8" plug
- No 431, 3/8" socket x 1/4" plug
- No 432, 3/8" socket x 1/2" plug
- No 513, 1/2" socket x 3/8" plug
- No 514, 1/2" socket x 3/4" plug



Code	g
96121003	648

431 Reducing adaptor

HPQ

- 3/8" socket x 1/4" plug (10 x 6.3)
- maximum torque 62 N·m
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	g	
12030001	28	17.2	26	5

432 Extending adaptor

HPQ

- 3/8" socket x 1/2" plug (10 x 12.5)
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	g	
12030003	31	17.2	36	5

409M/432M/514M/3 Set extending adaptors

content 3 pieces:

- 1/4" socket x 3/8" plug
- 3/8" socket x 1/2" plug
- 1/2" socket x 3/4" plug



Code	g
96 12 1002	120

432M Extending adaptor

- 3/8" socket x 1/2" plug (10 x 12.5)



Code	L mm	∅ mm	g	
12030010	16	32	22	1

442 Bit holder

- 1/4" inside hexagon
- DIN 3126/ISO 1173 D 6.3
- internal hex drive with a collar-thrust spring
- 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	d mm	g	
12 18 0026	32	16.5	30	5

443 Bit holder

- 5/16" inside hexagon
- DIN 3126/ISO 1173 D 8
- internal hex drive with a collar-thrust spring
- 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	d mm	g	
12 18 0030	32	16.5	39	5

45/11/4 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 15 pieces:

- 11 sockets with bi-hexagon No 45: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 universal joint No 428



Code	g
9602 1109	1444

456/11/4 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 15 pieces:

- 11 sockets with hexagon No 456: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 universal joint No 428



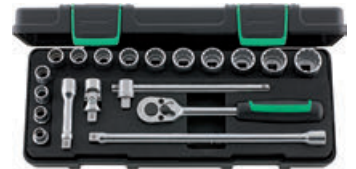
Code	g
9602 2133	1458

45/14/5i Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 19 pieces:

- 14 sockets with bi-hexagon No 45: sizes 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	g
9602 4132	1678

456/14/5i Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 19 pieces:

- 14 sockets with hexagon No 456: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	g
9602 3132	1758

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

10
3/8"

DIN
3120

ISO
1174-1

45/14/5iQR Socket set 3/8"

QR

- in sturdy, stackable ABS plastic case

Content 19 pieces:

14 sockets with bi-hexagon No 45:
8; 9; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22 mm

1 ratchet No 435QR N

2 extensions No 427QR/3 (76 mm), No 427QR/10 (240 mm)

1 T-handle No 425QR

1 universal joint No 428QR



Code	 g
96021180	1738

45/13/5 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 18 pieces:

12 sockets with bi-hexagon No 45:
8; 9; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19 mm

1 socket with bi-hexagon, long,
with rubber insert

No 4600: 16 mm - 5/8"

1 ratchet No 435

2 extensions No 427/3 (76 mm), No 427/10 (240 mm)

1 T-handle No 425

1 universal joint No 428



Code	 g
96021234	1678

456/13/5 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 18 pieces:

12 sockets with hexagon No 456:
8; 9; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19 mm

1 socket with bi-hexagon, long,
with rubber insert

No 4600: 16 mm - 5/8"

1 ratchet No 435

2 extensions No 427/3 (76 mm), No 427/10 (240 mm)

1 T-handle No 425

1 universal joint No 428



Code	 g
96021202	1698

45/49/19/5 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 24 pieces:

11 sockets with bi-hexagon No 45:
8; 10; 11; 12; 13; 14; 15; 16; 17;
18; 19 mm

1 socket with bi-hexagon, long,
with rubber insert

No 4600: 16 mm - 5/8"

7 INHEX sockets No 49: 3; 4; 5; 6; 7; 8; 10 mm

1 ratchet No 435

2 extensions No 427/3 (76 mm), No 427/10 (240 mm)

1 T-handle No 425

1 universal joint No 428



Code	 g
96021223	2428

456/49/19/5 Socket set 3/8"

- in sturdy, stackable ABS plastic case

Content 24 pieces:

11 sockets with hexagon No 456:
8; 10; 11; 12; 13; 14; 15; 16; 17;
18; 19 mm

1 socket with bi-hexagon, long,
with rubber insert

No 4600: 16 mm - 5/8"

7 INHEX sockets No 49: 3; 4; 5; 6; 7; 8; 10 mm

1 ratchet No 435

2 extensions No 427/3 (76 mm), No 427/10 (240 mm)

1 T-handle No 425

1 universal joint No 428



Code	 g
96021236	2456

40/45/36/12 Socket set 1/4"; 3/8"

- in sturdy, stackable ABS plastic case

Content 48 pieces:

12 sockets with bi-hexagon No 45:
10; 11; 12; 13; 14; 15; 16; 17;
18; 19; 21; 22 mm

8 sockets with hexagon No 40:
4; 4.5; 5; 5.5; 6; 7; 8; 9 mm

1 socket with bi-hexagon, long,
with rubber insert No 4600: 16 mm - 5/8"

3 bits  1221: PH1; 1222: PH2; 1223: PH3

1 bit  PZ1222: PZ2

6 bits  1160: 0.5 x 3 mm; 1162: 0.6 x 3.5 mm; 1164: 0.8 x 4 mm;
1166: 1.0 x 5.5 mm; 1166/1: 1.2 x 6.5 mm; 1168: 1.6 x 8 mm

5 bits  1300: 3 mm; 1301: 4 mm; 1302: 5 mm; 1303: 6 mm;
1304: 8 mm

2 ratchets No 415, No 435

3 extensions No 427/3 (76 mm), No 405/6 (150 mm), No 427/10
(240 mm)

2 universal joints No 407, No 428

1 drive handle No 400

1 T-handle No 425

2 bit-holder No 412, No 442

1 reducing adaptor No 431



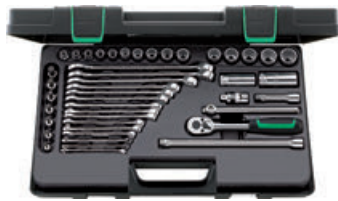
Code	 g
96012047	2712

89 Socket set 3/8" ☐

- in sturdy, stackable ABS plastic case

Content 44 pieces:

- 15 sockets with bi-hexagon No 45: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
- 2 sockets with bi-hexagon, long, with rubber insert No 4600: 16 mm - 5/8", No 46: 20.8 mm - 13/16"
- 7 INHEX sockets No 49: 3; 4; 5; 6; 7; 8; 10 mm
- 15 combination spanners No 13: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	ΔΔ g
96023128	4710

45ma/28/5 Socket set 3/8" ☐

- in sturdy, stackable ABS plastic case

Content 33 pieces:

- 28 sockets with bi-hexagon
 - No 45: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
 - No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8"
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	ΔΔ g
96021122	2660

45ma/28/5QR Socket set 3/8" ☐

QR

- in sturdy, stackable ABS plastic case

Content 33 pieces:

- 28 sockets with bi-hexagon
 - No 45: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
 - No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8"
- 1 ratchet No 435QR N
- 2 extensions No 427QR/3 (76 mm), No 427QR/10 (240 mm)
- 1 T-handle No 425QR
- 1 universal joint No 428QR



Code	ΔΔ g
96020107	2710

45/41/9 Socket set 3/8" ☐

- in sturdy sheet steel case

Content 50 pieces:

- 11 sockets with bi-hexagon No 45: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 9 sockets with bi-hexagon, long, No 46: 10; 11; 12; 13; 14; 15; 17; 18; 19 mm
- 2 sockets with bi-hexagon, long, with rubber insert No 4600: size 16 mm - 5/8"; No 46: size 20.8 mm - 13/16"
- 10 UNIFLEX sockets with bi-hexagon No 47: sizes 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 5 INHEX sockets No 49: size 4; 5; 6; 8; 10 mm
- 4 bits 1231: PH1; 1232: PH2; 1233: PH3; 1234: PH4
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 flexible handle No 424
- 1 T-handle No 425
- 1 universal joint No 428
- 1 flexible extension No 434
- 1 bit-holder No 443



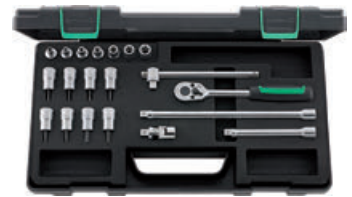
Code	ΔΔ g
96020108	6521

45TX/49TX/15/5 Socket set TORX® 3/8" ☐

- in sturdy, stackable ABS plastic case

Content 20 pieces:

- 7 sockets for external TORX® screws No 45TX: sizes E5; E6; E7; E8; E10; E12; E14
- 8 screwdriver sockets for internal TORX® screws No 49TX: sizes T9; T10; T15; T20; T25; T27; T30; T40
- 1 ratchet No 435
- 2 extensions No 427/5 (125 mm), No 427/10 (240 mm)
- 1 universal joint No 428
- 1 T-handle No 425



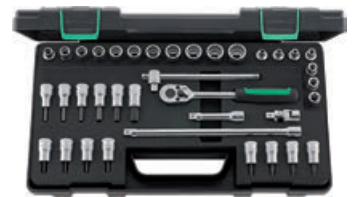
Code	ΔΔ g
96023703	2222

45/49/32/5TX Socket set 3/8" ☐

- in sturdy, stackable ABS plastic case

Content 37 pieces:

- 11 sockets with bi-hexagon No 45: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 7 sockets for external TORX® screws No 45TX: E5; E6; E7; E8; E10; E12; E14
- 6 INHEX sockets No 49: 4; 5; 6; 7; 8; 10 mm
- 8 screwdriver sockets for internal TORX® screws No 49TX: sizes T9; T10; T15; T20; T25; T27; T30; T40
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	ΔΔ g
96022119	2860

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

10
3/8"

DIN
3120

ISO
1174-1

3

89TX Socket set TORX® 1/4; 3/8; 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 35 pieces:
- 3 sockets for external TORX® screws No 40TX: sizes E4; E5; E6
- 2 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9
- 4 sockets for external TORX® screws No 45TX: sizes E7; E8; E10; E12
- 5 screwdriver sockets for internal TORX® screws No 49TX: sizes T10; T15; T20; T25; T27
- 6 sockets for external TORX® screws No 50TX: sizes E11; E14; E16; E18; E20; E24
- 6 screwdriver sockets for internal TORX® screws No 54TX: sizes T30; T40; T45; T50; T55; T60
- 7 bits  1440: T10; 1441: T15; 1442: T20; 1443: T25; 1444: T27; 1445: T30; 1446: T40
- 1 bit-holder No 442
- 1 TORX® controller: sizes E6; E7; E8; E10; E12; E14; E16; T10; T15; T20; T25; T27; T30; T40; T45; T47; T50; T55; T60



Code	 g
98811908	2420

45a/12/5 Socket set 3/8" ☐

- in sturdy, stackable ABS plastic case
- Content 17 pieces:
- 11 sockets with bi-hexagon No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16"
- 1 socket with bi-hexagon, long, with rubber insert No 4600: size 16 mm - 5/8"
- 1 ratchet No 435
- 2 extensions No 427/3 (76 mm), No 427/10 (240 mm)
- 1 T-handle No 425
- 1 universal joint No 428



Code	 g
96025204	1652

45a/14/8QR Socket set 3/8" ☐

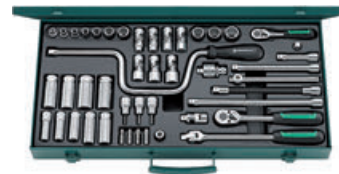
- in sturdy, stackable ABS plastic case
- Content 22 pieces:
- 14 sockets with bi-hexagon No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 15/16; 1"
- 1 ratchet No 435SG-QR
- 3 extensions No 427/3QR (76 mm), No 427/6QR (160 mm), No 427/10QR (240 mm)
- 1 universal joint No 428QR
- 2 bit-holders No 442, No 443
- 1 speeder brace No 453



Code	 g
96025206	3272

45a/33/13 Socket set 3/8" ☐

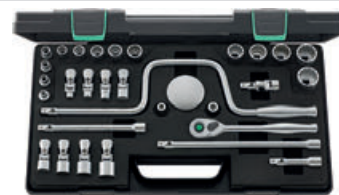
- in sturdy sheet steel case
- Content 46 pieces:
- 10 sockets with bi-hexagon No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4"
- 2 sockets with bi-hexagon, long, with rubber insert No 4600: 16 mm - 5/8", No 46: 20.8 mm - 13/16"
- 7 sockets with bi-hexagon, long No 46a: 3/8; 7/16; 1/2; 9/16; 11/16; 3/4; 7/8"
- 7 UNIFLEX sockets with bi-hexagon No 47a: 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4"
- 3 INHEX sockets No 49a: 1/8; 5/32; 3/16"
- 4 bits  1231: PH1; 1232: PH2; 1233: PH3; 1234: PH4
- 2 ratchets No 415, No 435
- 1 ratchet adaptor No 445
- 3 extensions No 427/3 (76 mm), No 427/6 (160 mm), No 427/10 (240 mm)
- 1 flexible extension No 434 (194 mm)
- 1 extending adaptor No 409
- 1 speeder brace No 421
- 1 flexible handle No 424
- 1 T-handle No 425
- 1 universal joint No 428
- 1 bit-holder No 443



Code	 g
96024113	6540

45a/22/8QR Socket set 3/8" ☐

- in sturdy, stackable ABS plastic case
- Content 30 pieces:
- 14 sockets with bi-hexagon No 45a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 15/16; 1"
- 8 UNIFLEX sockets with bi-hexagon No 47a: 5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4"
- 1 ratchet No 435SG-QR
- 3 extensions No 427/3QR (76 mm), No 427/6QR (160 mm), No 427/10QR (240 mm)
- 1 universal joint No 428QR
- 2 bit-holders No 442, No 443
- 1 speeder brace No 453



Code	 g
96025207	3685

ES 456/16/6



- 175 x 350 x 40 mm
- 22 pieces



Code	g
96838111	1555

No	Content
456	3/8" 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
425	3/8" 165 mm
427/3	3/8" 76 mm
427/6	3/8" 160 mm
427/10	3/8" 240 mm
428	3/8" 46 mm
435	3/8"

TCS 456/16/6



TCS

- 175 x 350 x 45 mm
- 22 pieces



Code	g
96838752	1465

No	Content
456	3/8" 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
425	3/8" 165 mm
427/3	3/8" 76 mm
427/6	3/8" 160 mm
427/10	3/8" 240 mm
428	3/8" 46 mm
435	3/8"

TCS 456/16/6QR



TCS

QR

- 175 x 350 x 45 mm
- 22 pieces



Code	g
96830367	1465

No	Content
456	3/8" 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
425QR	3/8" 165 mm
427QR/3	3/8" 76 mm
427QR/6	3/8" 160 mm
427QR/10	3/8" 240 mm
428QR	3/8" 46 mm
435QR N	3/8"

TCS 456/16/7



TCS

- 175 x 350 x 40 mm
- 23 pieces



Code	g
96830218	1400

No	Content
456	3/8" 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
427/3	3/8" 76 mm
427/5	3/8" 125 mm
427/10	3/8" 240 mm
428	3/8" 46 mm
431	1/4" 3/8"
432	1/2" 3/8"
435	3/8"

TCS 456/16/7QR



TCS

QR

- 175 x 350 x 40 mm
- 23 pieces



Code	g
96830370	1400

No	Content
456	3/8" 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
427QR/3	3/8" 76 mm
427QR/6	3/8" 160 mm
427QR/10	3/8" 240 mm
428QR	3/8" 46 mm
431	1/4" 3/8"
432	1/2" 3/8"
435QR N	3/8"

TCS 49/1049/2049/45TX/49TX



TCS

- 175 x 350 x 40 mm
- 24 pieces



Code	g
96838772	1188

No	Content
49	3/8" 4; 5; 6; 7; 8; 10 mm
1049	3/8" 7 mm
2049	3/8" 4; 5; 6; 8; 10 mm
45TX	3/8" sizes E5; E6; E7; E8; E10; E12
49TX	3/8" sizes T10; T15; T20; T25; T30; T40

10
3/8"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

TCS 456/16/4MF



- 175 x 350 x 45 mm
- 20 pieces

Code	Δg
96830357	1123

No	Content
456	3/8" ○ 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
427/5	3/8" ■ ○ 125 mm
427/10	3/8" ■ ○ 240 mm
428	3/8" ■ ○ 46 mm
435	3/8" ■

TCS 456/16/4MF QR



- 175 x 350 x 45 mm
- 20 pieces

Code	Δg
96830371	1123

No	Content
456	3/8" ○ 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
427QR/6	3/8" ■ ○ 160 mm
427QR/10	3/8" ■ ○ 240 mm
428QR	3/8" ■ ○ 46 mm
435QR N	3/8" ■

TCS 456/31/8



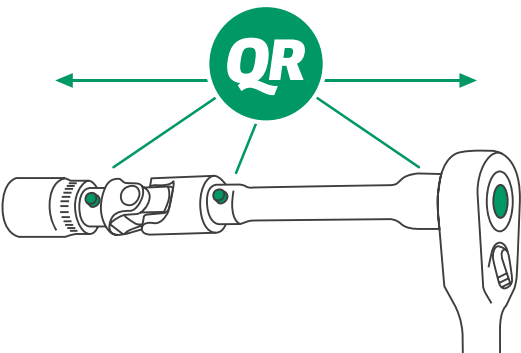
- 350 x 350 x 32 mm
- 39 pieces

Code	Δg
96830602	2701

No	Content
456	3/8" ○ 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
46	3/8" ○ 10; 11; 12; 13 mm
47	3/8" ○ 10; 11; 12; 13; 14; 15; 16 mm
1049	3/8" ○ 9 mm
49X	3/8" ○ M6; M8; M10
427/3	3/8" ■ ○ 76 mm
427/5	3/8" ■ ○ 125 mm
427/10	3/8" ■ ○ 240 mm
428	3/8" ■ ○ 46 mm
431	1/4" ■ 3/8" ○
432	1/2" ■ 3/8" ○
435	3/8" ■
452QR	3/8" ■

QuickRelease safety lock.

Fast and safe.



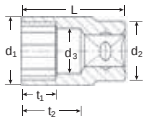
The QuickRelease technology ensures tools cannot be inadvertently lost - while enabling rapid, safe tool changes.



50 Sockets



- DIN 3124/ISO 2725-1, E DIN EN 3709, ASME B 107.5 M
- 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	50	10
03010011	11	15.8	22	10	38	9.5	22	50	10
03010012	12	17	22	11	38	13	22	58	10
03010013	13	18.3	22	12	38	13	22	50	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	15	25.5	89	10
03010021	21	28.7	26	20	42	16	25.2	100	10
03010022	22	29.7	26	21	42	16.5	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	210	5
03010036	36	48	31	34	52	24	30.9	286	5

50a Sockets



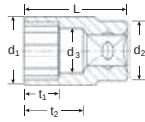
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E (test loads)
- HPQ® high performance steel, chrome plated

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	51	10
03410028	7/16	16.3	22	9.9	38	9	22	52	10
03410032	1/2	18.3	22	11.5	38	13	22	53	10
03410034	9/16	20.3	22.7	13.1	38	13	20.2	58	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	65	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	170	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	325	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	51	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	60	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	80	10
03030020	20	27.2	25	19	42	15	25.5	95	10
03030021	21	28.7	26	20	42	16	25.2	110	10
03030022	22	29.7	26	21	42	16.5	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
03030036	36	48	31	34	52	24	30.9	305	5

ES 52/17



- 175 x 350 x 47 mm
- 17 pieces

Code	Δg g
968381 12	1760
No	Content
52	1/2" ○ 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

12.5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

TCS 52/17



- 175 x 350 x 40 mm
- 17 pieces

Code

△
g

96838177

1605

No	Content
52	1/2" 10 ; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

TCS 52/18MF



- 175 x 350 x 55 mm
- 18 pieces

Code

△
g

96830359

1850

No	Content
52	1/2" 10 ; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34 mm

TCS 50/51/52/32



- 175 x 350 x 50 mm
- 32 pieces

Code

△
g

96838191

2950

No	Content
50	1/2" 8 ; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm
51	1/2" 22 ; 27 mm
52	1/2" 10 ; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

TCS 50a/17



- 175 x 350 x 40 mm
- 17 pieces

Code

△
g

96838780

1685

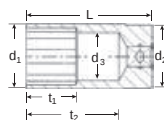
No	Content
50a	1/2" 3/8 ; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"

51

○ Sockets



- extra deep
- DIN 3124/ISO 2725-1, E DIN EN 3710, E DIN EN 3709, ASME B 107.5M
- HPQ® high performance steel, chrome plated



Code	Size mm/"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	△ g	
03020010	10	14.5	22	9	83	19	67	90	10
03020013	13	18.3	22	12	83	35	67	122	10
03020014	14	19.9	22.7	13	83	35	65.2	129	10
03020015	15	21.2	22.7	14	83	35	64.9	125	10
03020016	16	22.4	23.7	15	83	35	64.6	145	10
03020216	16-5/8¹⁾	22.4	23.7	15.4	83	19	64.5	137	10
03020017	17	24	23.7	16	83	35	64.3	145	10
03020018	18	24.7	23.7	17	83	35	64.1	170	10
03020019	19	26.2	25	18	83	35	66.7	165	10
03020208	20.8-13/16¹⁾	27.7	26	20	83	22	66.2	194	10
03020021	21	28.7	26.5	20	83	35	66.2	231	10
03020022	22	29.7	27.5	21	83	35	65.5	200	10
03020024	24	32	30	21	83	35	66.1	251	5
03020026	26	34.4	32.5	23	83	35	65.3	334	5
03020027	27²⁾	36.2	34	27	83	20	60	280	5
03020030	30²⁾	39.7	37.5	30.2	83	35	65	341	5
03020032	32	42.4	40	29	83	35	63.9	435	5

¹⁾ with rubber insert for spark plugs

²⁾ for diesel injector (Audi, Daihatsu, Ford, Mazda, Mercedes, Mitsubishi, Nissan, Opel, Peugeot, Toyota, VW, Volvo)

51a

○ Sockets



- extra deep
- ASME B 107.1, Fed. Spec. GGG-W-641, SAE AS 954-E
- HPQ® high performance steel, chrome plated

Code	Size "	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	△ g	
03420024	3/8	14.3	22	8.3	83	19	67	93	5
03420028	7/16	16.3	22	9.9	83	19	67	102	5
03420032	1/2	18.3	22	11.5	83	35	67	122	5
03420034	9/16	20.3	22.7	13.1	83	35	65.2	131	5
03420036	5/8	22.4	23.7	15	83	35	64.6	135	5
03420038	11/16	24.2	23.7	16.5	83	35	64.2	158	5
03420040	3/4	26.2	25	18	83	35	66.7	188	5
03420042	13/16	27.7	26	19.5	83	35	66.3	170	5
03420044	7/8	29.7	27.5	21	83	35	65.9	200	5
03420046	15/16	32	30	22.6	83	35	65.7	281	5
03420048	1	33.7	32	24.2	83	35	65	260	5
03420050	1 1/16	36.2	34	25.8	83	35	64.5	359	5
03420052	1 1/8	38.1	36	27.4	83	35	64	300	5
03420054	1 3/16	39	37	28	83	35	63.9	377	5
03420056	1 1/4	40	38	30.5	83	35	63.1	340	5
03420058	1 5/16	41.8	40	32.1	83	35	62.7	375	5
03420060	1 3/8	46	44	33.7	83	35	62.2	506	5
03420062	1 7/16	49.4	47	34	83	35	62.1	635	5
03420064	1 1/2	51	49	35	83	35	61.8	675	5

5100

Rubber insert

- for 20.8 mm (No 46; 51; 51S)

Code	△ g	
09010001	6	5

51/8 Set sockets

HPQ AS

- long
 - in softcase with foam inlay
- Content 8 pieces:
No 51: 13; 17; 19; 22; 24; 27; 30;
32 mm



Code	$\Delta\Delta$ g
96030212	2378

TCS 51/11



- 175 x 350 x 50 mm
- 11 pieces



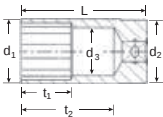
Code	$\Delta\Delta$ g
96838776	2345

No	Content
51	1/2" $\bullet$ 10; 13; 15; 17; 18; 19; 22; 24; 27; 30; 32 mm

51S Sockets

HPQ AS

- extra deep
- DIN 3124/ISO 2725-1, E DIN EN 3710, E DIN EN 3709 (test loads)
- HPQ® high performance steel, chrome plated



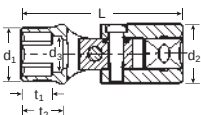
Code	$\Delta\Delta$ mm/"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	$\Delta\Delta$ g	
03240017 17		24	23.7	16	83	35	64.3	157	10
03240019 19		26.2	25	18	83	35	66.7	190	10
03240208 20.8-13/16¹⁾		27.7	26	20	83	22	66.2	196	10
03240022 22		29.7	27.5	21	83	35	65.9	210	10

¹⁾ with rubber insert for spark plugs and for tightening and untightening wheel nuts on Japanese cars

53 UNIFLEX sockets

HPQ

- Chrome Alloy Steel, chrome plated

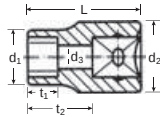


Code	$\Delta\Delta$ mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₂ mm	$\Delta\Delta$ g	
03040010 10		14.7	25	9	70	20	136	1
03040013 13		18.4	25	12	70	20	140	1
03040016 16		22.4	25	15	69	17	141	1
03040017 17		23.5	25	16	70	18	141	1
03040018 18		25	25	17	70	18	145	1
03040019 19		26.3	25	18	70	17.5	148	1

50TX Sockets

HPQ

- for external TORX® screws
- HPQ® high performance steel, chrome plated



Code	size	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	$\Delta\Delta$ g	
03270010 E10		9.4	13	22	5.6	38	9.5	22	55 10
03270011 E11		10.1	14	22	6	38	9.5	22	55 10
03270012 E12		11.1	14.9	22	7.2	38	9.5	22	60 10
03270014 E14		12.9	16.7	22	8	38	11	22	56 10
03270016 E16		14.7	19	22	9.3	38	12.5	22	60 10
03270018 E18		16.6	21	26.5	10.4	38	13.5	22	92 10
03270020 E20		18.4	23.5	26.5	12	38	15	22	98 10
03270024 E24		22.1	27.8	26	14.1	41.2	17.5	23.6	123 10

50TX/7 Set sockets

HPQ

- for external TORX® screws
 - in carton packing
- Content 7 pieces:
No 50TX: E10; E12; E14; E16; E18; E20; E24



Code	$\Delta\Delta$ g
96032703	623

50TX/8 Set sockets

HPQ

- for external TORX® screws
 - in sturdy, stackable ABS plastic case
- Content 8 pieces:
No 50TX: E10; E11; E12; E14; E16;
E18; E20; E24



Code	$\Delta\Delta$ g
96033704	980

TCS 50TX/54TX/17



- 175 x 350 x 40 mm
- 17 pieces



Code	$\Delta\Delta$ g
96838763	1415

No	Content
50TX	1/2" $\bullet$ sizes E10; E11; E12; E14; E16; E18; E20; E24
54TX	1/2" $\bullet$ sizes T20; T25; T27; T30; T40; T45; T50; T55; T60

12.5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

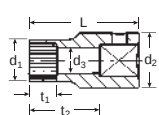
ISO
1174-1

50aPSP

Sockets

HPQ

- for external Spline-Drive screws
- MS-33787
- HPQ® high performance steel, gunmetal finish



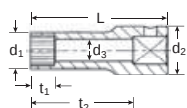
Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	ΔΔ g	
03012024	12	3/8	15.5	22	8.6	38	9.5	22	55	5
03012028	14	7/16	18	23.7	10.4	38	11	22	65	5
03012034	18	9/16	22	23.7	13.5	38	12	20	71	5

50aPLSP

Socket

HPQ

- for external Spline-Drive screws
- extra deep
- bolt clearance
- MS-33787
- HPQ® high performance steel, gunmetal finish



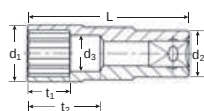
Code	Spline size	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	ΔΔ g	
03013028	14	7/16	18	23.7	10.4	50	11	34	83	5

51aP

Socket

HPQ

- extra deep
- bolt clearance
- for the brakes on A320/A321
- HPQ® high performance steel, gunmetal finish

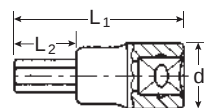


Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	ΔΔ g	
03421041	25/32	28	23	17.9	80	21	36	182	1

54

INHEX sockets

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



Code	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ 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	70	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

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

Code	"	L ₁ mm	L ₂ mm	d mm	ΔΔ 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	90	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

- in sturdy, stackable ABS plastic case
- Content 10 pieces:
No 54: 4; 5; 6; 7; 8; 10; 12; 14; 17;
19 mm



Code	ΔΔ g
96031508	1525

54/12

INHEX socket set

- in sturdy, stackable ABS plastic case
- Content 12 pieces:
No 54: 4; 5; 6; 7; 8; 10; 12; 14; 17;
19 mm
No 3054/8, 8 mm
No 1054/10, 10 mm



Code	ΔΔ g
96031503	1894

ES 54/54KK

- 175 x 350 x 38 mm
- 14 pieces



Code	ΔΔ g
96838114	1630

No	Content
54	1/2" 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
54KK	1/2" 5; 6; 8; 10 mm

TCS 54/54X/16



TCS



- 175 x 350 x 35 mm
- 16 pieces

Code	g
96838762	1745

No	Content
54	1/2" ⌀ 4; 5; 6; 7; 8; 10; 12; 14; 17 mm
54X	1/2" ⌀ M5; M6; M8; M10; M12; M14; M16

TCS 1054/2054/10



TCS



- 175 x 350 x 40 mm
- 10 pieces

Code	g
96838760	1272

No	Content
1054	1/2" ⌀ 8; 10; 12 mm
2054	1/2" ⌀ 5; 6 mm
1054TX	1/2" ⌀ sizes T30; T50; T55
2054TX	1/2" ⌀ sizes T40; T45

1054/2054 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	g	
03151205	2054/5	5	120	82	22.7	80	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	200	5
03151414	2054/14	14	140	100	23.7	231	5

¹⁾ for fitting radiators

1054/3054 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	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

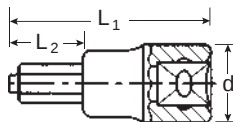


Code	g
96838164	900

No	Content
1054	1/2" ⌀ 8; 10; 12 mm
2054	1/2" ⌀ 5; 6; 14 mm

541C INHEX sockets

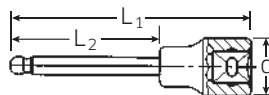
- for hexagon socket head screws with guide pin
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	g	
03070005	5	60	22	22.7	65	5
03070006	6	60	22	22.7	71	5
03070008	8	60	22	22.7	80	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	g	
03280005	5	100	62	22.7	75	5
03280006	6	100	62	22.7	80	5
03280007	7¹⁾	100	62	22.7	85	5
03280008	8	100	62	22.7	95	5
03280010	10	100	62	22.7	120	5

¹⁾ Application: BMW brakes

12,5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

ES 54KK/5

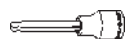


- 175 x 175 x 30 mm
- 5 pieces



Code	g
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96838165	505
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No	Content
 54KK	1/2" $\bigcirc$ 5; 6; 7; 8; 10 mm

1054KK INHEX sockets

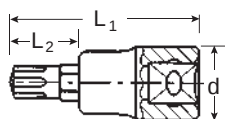
- with ball point hexagon
- for hexagon socket head screws
- swivel angle up to 25° each side
- special lengths
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	g	
03310005	5	238	200	22.7	145	5
03310008	8	238	200	22.7	154	5

54CV Screwdriver sockets

- for spline socket head screws (Ribe-CV®)
- Chrome Alloy Steel, chrome plated



Code	size	L ₁ mm	L ₂ mm	d mm	g	
03090005	M5	60	22	22.7	69	5
03090006	M6	60	22	22.7	71	5
03090007	M7	60	22	22.7	70	5
03090008	M8	60	22	22.7	78	5
03090009	M9	60	22	22.7	92	5
03090010	M10	60	22	22.7	95	5
03090012	M12	60	20	23.7	119	5
03090013	M13	60	20	23.7	125	5
03090014	M14	60	20	23.7	126	5
03090016	M16	63	23	27.5	163	5

Application:

M7, for brakes, cylinder head screws, bodywork and motor jobs incl. valve covers and spark plug covers on Fiat vehicles
M8, bodywork and motor jobs incl. valve covers and spark plug covers on Fiat vehicles
M9, brakes, cylinder head screws (1.2 l; 8V/16V) on Fiat vehicles
M10, for cylinder head screws (1.2 l; 8V/16V) on Fiat vehicles
M12 for cylinder head screws on Fiat 2.0 l engines
M13, for brakes, cylinder head screws on Fiat vehicles; cylinder head screws on Alfa vehicles, e.g. 1.6 l; 16V engines
M14; M16, for cylinder head screws on Alfa vehicles, e.g. 1.6 l; 16V engines

54CV/9

Set screwdriver sockets

- for spline socket head screws (Ribe-CV®)
- in sturdy, stackable ABS plastic case

Content 9 pieces: No 54CV:
M5; M6; M7; M8; M9; M10; M12;
M13; M14



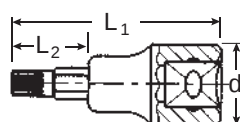
Code	g
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96031901	1225
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54X

Screwdriver sockets

- for trisquare socket head screws (XZN®)
- DIN 2324
- Chrome Alloy Steel, chrome plated

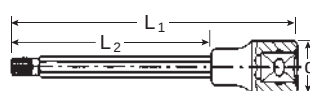


Code	size	L ₁ mm	L ₂ mm	d mm	g	
03060005	M5	60	22	22.7	67	5
03060006	M6	60	22	22.7	74	5
03060008	M8	60	22	22.7	79	5
03060010	M10	60	22	22.7	94	5
03060012	M12	60	20	23.7	120	5
03060014	M14	60	20	23.7	128	5
03060016	M16	60	20	27.5	174	5

3054X

Screwdriver sockets

- for trisquare socket head screws (XZN®)
- DIN 2324
- extra long
- Chrome Alloy Steel, chrome plated



Code	size	L ₁ mm	L ₂ mm	d mm	g	
03261408	M8	140	102	22.7	109	5
03261410	M10	140	102	22.7	142	5
03261412	M12	140	102	22.7	160	5
03261414	M14	140	100	23.7	225	1

Application: M10 and M12 for cylinder head screws on VW/Audi, Opel, Mercedes-Benz M14 for cylinder head screws on VM diesel engines, Chrysler

3054X/54X/8 Set screwdriver sockets

- for trisquare socket head screws (XZN®)
 - in sturdy, stackable ABS plastic case
- Content 8 pieces:
No 3054X: M8; M10; M12
No 54X: M6; M8; M10; M12; M14



Code	g
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96033606	1288
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1054x/2054x Screwdriver sockets

- for trisquare socket head screws (XZN®)
- special lengths
- DIN 2324
- Chrome Alloy Steel, chrome plated

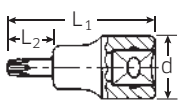


Code	No	size	L ₁ mm	L ₂ mm	d mm	Δ g	
03 16 08 08	1054X	M8	80	42	22.7	86	5
03 16 12 08	2054X	M8	120	82	22.7	104	5
03 16 11 10	2054X	M10	110	72	22.7	130	5
03 16 11 12	2054X	M12	110	70	23.7	168	5

Application: No 1054x, M8, for jointed shafts on VW/Audi

54TX Screwdriver sockets

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



Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
03 10 00 20	T20	3.8	55	17	22.7	71	5
03 10 00 25	T25	4.4	55	17	22.7	71	5
03 10 00 27	T27	5	55	17	22.7	72	5
03 10 00 30	T30	5.5	55	17	22.7	72	5
03 10 00 40	T40	6.6	55	17	22.7	75	5
03 10 00 45	T45	7.8	55	17	22.7	74	5
03 10 00 50	T50	8.8	55	17	22.7	87	5
03 10 00 55	T55	11.2	58	18	23.7	110	5
03 10 00 60	T60	13.2	58	18	23.7	113	5
03 10 00 70	T70	15.5	60	20	27.5	155	1

Application: size T55 for the cylinder head screws on the Opel Omega V6

54TX/9 Set screwdriver sockets

- for inside TORX® screws
 - in carton packing
- Content 9 pieces:
No 54TX: T20; T25; T27; T30; T40; T45; T50; T55; T60



Code	Δ g
96 03 10 04	820

54TX/10 Set TORX® sockets

- for inside TORX® screws
 - in sturdy, stackable ABS plastic case
- Content 10 pieces:
No 54TX: T20; T25; T27; T30; T40 (2x); T45; T50; T55; T60



Code	Δ g
96 03 20 05	1170

54TX/59TX/12/1 Socket set TORX®

- in sturdy, stackable ABS plastic case
 - for inside TORX® screws
- Content 13 pieces:
9 screwdriver sockets for internal TORX® screws No 54TX:
sizes T20; T25; T27; T30; T40; T45; T50; T55; T60
3 screwdriver sockets for internal TORX® screws No 59TX: sizes T70; T80; T90
1 extending adaptor No 514, 1/2" socket x 3/4" plug (12.5 x 20)



Code	Δ g
96 03 20 06	2710

ES 54X/54TX



- 175 x 350 x 38 mm
- 16 pieces



Code	Δ g
96 83 81 15	1600

No	Content
54X	1/2" M5; M6; M8; M10; M12; M14; M16
54TX	1/2" sizes T20; T25; T27; T30; T40; T45; T50; T55; T60

TCS 54/54TX/18



- 175 x 350 x 40 mm
- 18 pieces



Code	Δ g
96 83 87 82	1665

No	Content
54	1/2" 4; 5; 6; 7; 8; 10; 12; 14; 17 mm
54TX	1/2" sizes T20; T25; T27; T30; T40; T45; T50; T55; T60

1054TX/2054TX Screwdriver sockets

- for inside TORX® screws
- extra long
- Chrome Alloy Steel, chrome plated



Code	No	size	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
03 13 12 30	1054TX	T30	5.5	120	82	22.7	99	5
03 13 14 40	2054TX	T40	6.6	140	102	22.7	110	5
03 13 14 45	2054TX	T45	7.8	140	102	22.7	111	5
03 13 14 50	1054TX	T50	8.8	140	102	22.7	140	5
03 13 14 55	1054TX	T55	11.2	140	102	22.7	159	5
03 13 14 60	1054TX	T60	13.2	140	100	23.7	221	5

Application: size T55 for the cylinder head screws on various Ford models, e.g. Mondeo 16V

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

1054TX Screwdriver sockets

- for inside TORX® screws
- extra long
- Chrome Alloy Steel, chrome plated



code	size	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03 13 12 40	T40	6.6	120	82	22.7	100	5
03 13 12 45	T45	7.8	120	82	22.7	100	5
03 13 10 70	T70	15.5	107	67	23.7	201	5

ES 1054/2054TX/6



- 175 x 175 x 30 mm
- 6 pieces

Code	ΔΔ g
96838163	900

No	Content
 1054TX 2054TX	1/2"  sizes T30; T50; T55; T60 1/2"  sizes T40; T45

1054TX/4T Set screwdriver sockets

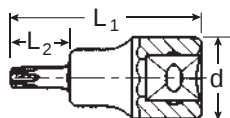
- for inside TORX® screws
 - in textile bag
- Content 4 pieces:
No 1054TX: T40; T45; T50; T55



Code	ΔΔ g
96031301	527

54TXB Screwdriver sockets

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



Code	size	mm	L ₁ mm	L ₂ mm	d mm	ΔΔ g	
03 11 00 20	T20	3.8	55	17	22.7	70	5
03 11 00 25	T25	4.4	55	17	22.7	65	5
03 11 00 27	T27	5	55	17	22.7	71	5
03 11 00 30	T30	5.5	55	17	22.7	71	5
03 11 00 40	T40	6.6	55	17	22.7	71	5
03 11 00 45	T45	7.8	55	17	22.7	72	5
03 11 00 50	T50	8.8	55	17	22.7	86	5
03 11 00 55	T55	11.2	58	18	23.7	111	5
03 11 00 60	T60	13.2	58	18	23.7	113	5

Application: size T50 for the spare wheel retaining plate on the bumper of the Opel Frontera Sport

54TXB/9 Set screwdriver sockets

- for inside TORX® screws
 - tamper proof, with hollow point (TORX® TAMPER RESISTANT)
 - in carton packing with transparent cover
- Content 9 pieces:
No 54TXB: T20; T25; T27; T30; T40; T45; T50; T55; T60



Code	ΔΔ g
96031007	810

54TXB/10 Set screwdriver sockets

- for inside TORX® screws
 - tamper proof, with hollow point (TORX® TAMPER RESISTANT)
 - in sturdy, stackable ABS plastic case
- Content 10 pieces:
No 54TXB: T20; T25; T27; T30;
T40 (2x); T45; T50;
T55; T60



Code	ΔΔ g
96032008	1178

50CL Clip strips

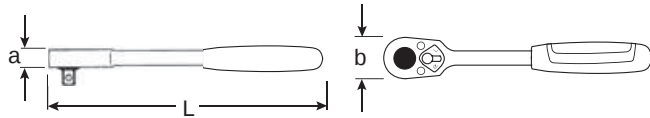
- for socket retention
- supplied without sockets



Code	size	L mm	ΔΔ g
80500001	1	200	54
80500002	2	300	73

Drive tools and accessories

- 1/2" □
- finish: Chrome Alloy Steel, chrome plated



512 Ratchet

- reversible
- 36 teeth
- with 2-component handle
- DIN 3122/ISO 3315



Code	L mm	b mm	a mm	g	
13 11 10 10	265.5	41	22.5	600	1

512G Ratchet

- reversible
- 36 teeth
- with 2-component handle
- DIN 3122/ISO 3315
- encapsulated housing minimises the ingress of dirt



Code	L mm	b mm	a mm	g	
13 11 11 10	265.5	41	22.5	613	1

512QR N QuickRelease ratchet, fine tooth



- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- for use in confined spaces, re-engages after movement of 4.5°
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
13 11 11 20	265.5	41	23	572	1

512SG-QR N QuickRelease ratchet, fine tooth



- reversible
- 80 teeth
- with QuickRelease safety lock
- with steel handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
13 11 10 30	265.5	41	22.5	654	1

515 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	g	
13 23 10 11	265	40	26.2	515	1

517QR QuickRelease fine-tooth flexible-joint ratchet



- reversible
- 80 teeth
- with QuickRelease safety lock
- with 2-component handle
- handle may be raised or lowered by approx. 90°, lockable in following positions:
 - straight
 - 30° up
 - 60° up
 - 30° down
- release the lock by pressing the button in the handle
- for use in confined spaces, re-engages after movement of 4.5°
- construction without screws prevents foreign object damage
- DIN 3122/ISO 3315
- registered design



Code	L mm	b mm	a mm	g	
13 26 10 10	416	41	22	920	1

522 Ratchet adaptor

- reversible
- 20 teeth



Code	L mm	∅ mm	g	
13 14 00 00	67.5	40	316	1

532 Ratchet

- long handle
- reversible
- 36 teeth
- with 2-component handle



Code	L mm	b mm	a mm	g	
13 12 10 10	380	41	22.5	821	1

532G Ratchet

- long handle
- reversible
- 36 teeth
- with 2-component handle
- encapsulated housing minimises the ingress of dirt



Code	L mm	b mm	a mm	g	
13 12 11 10	380	41	22.5	815	1

12.5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

3

512QR N/7 Set of wrenches

QR

- in sturdy, stackable ABS plastic case
- Content 7 pieces:
 - 1 ratchet No 512QR N
 - 4 extensions
 - No 509QR/2 (52 mm),
 - No 509QR/3 (75 mm),
 - No 509QR/5 (130 mm), No 509QR/10 (255 mm)
 - 1 universal joint No 510QR
 - 1 T-handle No 506QR



Code	ΔΔ g
96034010	2990

5120+7210/15 Spare parts set for ratchets No 512, 532

- Content 8 pieces:
 - 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws

Code	ΔΔ g
19040000	127

5120G Spare parts set for ratchets No 512G, 532G

- Content 8 pieces:
 - 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws

Code	ΔΔ g
19040030	120

5120QR N80 Spare parts set for ratchets No 512QR N, 512SG-QR N, 517QR

QR

- Content 9 pieces:
 - 1 pinion; 1 locking disc; 1 lever;
 - 1 pin; 1 ball; 1 compression spring;
 - 2 circlips; 1 cover plate



Code	ΔΔ g
19042020	120

for ratchets with screwless design

5120QR N Spare parts set for ratchet No 512QR N

QR

- Content 8 pieces:
 - 1 pinion; 1 pawl; 1 lever with pin;
 - 1 ball; 2 compression springs; 2 screws



Code	ΔΔ g
19040040	140

for ratchet 512QR N, design with screws

5120QR Spare parts set for ratchets No 512, 512SG-QR

QR

- Content 8 pieces:
 - 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws

code	ΔΔ g
19040020	118

7350/20 Spare parts set for ratchet No 515

- Content 7 pieces:
 - 1 pinion; 1 pawl; 1 switching disk; 1 spring; 3 screws

code	ΔΔ g
59251020	140

501 Speeder brace

- working radius 105 mm
- DIN 3122/ISO 3315



Code	L mm	ΔΔ g	ΔΔ
13100010	456	620	5

501QR QuickRelease speeder brace

QR

- with steel handle
- for greater axial power transmission, detachable palm head
- working radius 105 mm
- DIN 3122/ISO 3315
- with QuickRelease safety lock
- patent



Code	L mm	ΔΔ g	ΔΔ
13100005	456	872	1

504 Flexible handle

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



Code	size	L mm	ΔΔ g	ΔΔ
13061015	15	397	735	1
13061018	18	469	831	1
13061024	24	610	1051	1

5040N Spare parts set for No 504

- Content 3 pieces:
 - 1 universal joint, 1 screw,
 - 1 spring washer



Code	ΔΔ g
96190801	80

for version with black, manganese-phosphated TORX® screw

5040 Spare parts set for No 504

Content 3 pieces:
1 universal joint, 1 screw,
1 spring washer



Code	Δ g
96 19 08 00	75

for version with chrome plated Philips-head screw

506 Sliding T-handle

• DIN 3122/ISO 3315



Code	L mm	Δ g	
1307 0000	300	436	5

506QR QuickRelease sliding T-handle

QR

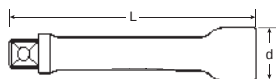
• with QuickRelease safety lock
• patent



Code	L mm	Δ g	
1307 1000	300	470	1

509 Extensions

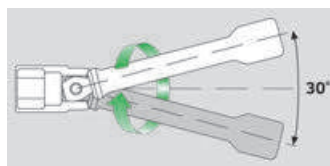
• DIN 3123/ISO 3316



Code	size	L mm	d mm	Δ g	
1301 0001	2	52	23	88	5
1301 0004	3	75	23.2	120	5
1301 0002	5	130	23.2	191	5
1301 0003	10	255	23.2	341	5

509W Wobble-Drive extensions

• swivel angle 15° each side
• maximum torque 200 N·m



Code	size	L mm	d mm	Δ g	
1301 0005	2	52	23	80	5
1301 0006	3	75	23.2	120	5
1301 0007	5	130	23.2	191	5
1301 0008	10	255	23.2	341	5

509QR QuickRelease extensions

QR

• patent
• DIN 3123/ISO 3316



Code	size	L mm	d mm	Δ g	
1301 1001	2	52	23	90	1
1301 1004	3	75	23	123	1
1301 1002	5	130	23	187	1
1301 1003	10	255	23	341	1

3505 Special extension



Code	L mm	d mm	Δ g	
1321 0001	120	23.2	186	1

510 Universal joint

• DIN 3123/ISO 3316

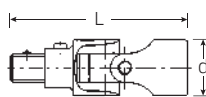


Code	L mm	d mm	Δ g	
1302 0000	71	25	146	5

510QR QuickRelease universal joint

QR

• DIN 3123/ISO 3316
• with QuickRelease safety lock
• patent



Code	L mm	d mm	Δ g	
1302 1000	80	25	155	1

5513 Set of adaptors

content 5 pieces:

- No 409, 1/4" socket x 3/8" plug
- No 431, 3/8" socket x 1/4" plug
- No 432, 3/8" socket x 1/2" plug
- No 513, 1/2" socket x 3/8" plug
- No 514, 1/2" socket x 3/4" plug



Code	Δ g
96 12 1003	648

12.5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12.5
1/2"

DIN
3120

ISO
1174-1

513 Reducing adaptor

HPQ

- 1/2" socket x 3/8" plug (12.5 x 10)
- maximum torque 202 N·m
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	ΔΔ g	
13030002	35	22.7	60	5

514 Extending adaptor

HPQ

- 1/2" socket x 3/4" plug (12.5 x 20)
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	ΔΔ g	
13030005	44	25	110	5

7789-1 Extending adaptor

HPQ

- 1/2" socket x 1" plug (12.5 x 25)
- HPQ® high performance steel



Code	L mm	d mm	ΔΔ g	
58522089	35	36.5	175	1

409M/432M/ 514M/3 Set extending adaptors

content 3 pieces:

- 1/4" socket x 3/8" plug
- 3/8" socket x 1/2" plug
- 1/2" socket x 3/4" plug



Code	ΔΔ g
96 12 1002	120

514M Extending adaptor

- 1/2" socket x 3/4" plug (12.5 x 20)



Code	L mm	∅ mm	ΔΔ g	
13030010	22	38	40	1

543 Bit holder

- ∅ 5/16" inside hexagon
- DIN 3126/ISO 1173 D 8
- internal hex drive with a collar-thrust spring
- 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	d mm	ΔΔ g	
13 180010	38	22	65	5

52/9/3 Socket set 1/2"

- in sturdy, stackable ABS plastic case
- Content 12 pieces:
 9 sockets with hexagon No 52:
 10; 13; 16; 17; 18; 19; 21; 22;
 24 mm
 1 ratchet No 512
 2 extensions No 509/5 (130 mm),
 No 509/10 (255 mm)



Code	ΔΔ g
9603 1343	2878

50/12/3 Socket set 1/2"

- in sturdy, stackable ABS plastic case
- Content 15 pieces:
 12 sockets with bi-hexagon No 50:
 10; 13; 16; 17; 18; 19; 21; 22;
 24; 27; 30; 32 mm
 1 ratchet No 512
 2 extensions No 509/5 (130 mm),
 No 509/10 (255 mm)



Code	ΔΔ g
9603 1435	3300

52/12/3 Socket set 1/2"

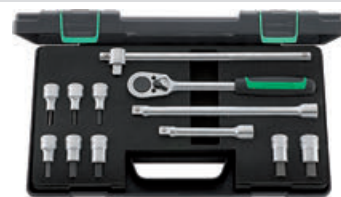
- in sturdy, stackable ABS plastic case
- Content 15 pieces:
 12 sockets with hexagon No 52:
 10; 13; 16; 17; 18; 19; 21; 22;
 24; 27; 30; 32 mm
 1 ratchet No 512
 2 extensions No 509/5 (130 mm),
 No 509/10 (255 mm)



Code	ΔΔ g
9603 1436	3412

54/8/4 Socket set 1/2"

- in sturdy, stackable ABS plastic case
- Content 12 pieces:
 8 INHEX sockets No 54:
 4; 5; 6; 8; 10; 12; 14; 17 mm
 1 ratchet No 512
 2 extensions No 509/5 (130 mm),
 No 509/10 (255 mm)
 1 T-handle No 506



Code	ΔΔ g
9603 1501	3370

52/16/5 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 21 pieces:

- 15 sockets with hexagon No 52: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 1 socket, long, with rubber insert No 51: 16 mm - 5/8"

1 ratchet No 512

2 extensions No 509/5 (130 mm), No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1406	4478

52/16/6 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 22 pieces:

- 16 sockets with hexagon No 52: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1448	4586

50/16/6 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 22 pieces:

- 16 sockets with bi-hexagon No 50: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1447	4502

52/16/6QR Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 22 pieces:

- 16 sockets with hexagon No 52: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet No 512QR N

3 extensions No 509QR/3 (75 mm), No 509QR/5 (130 mm), No 509QR/10 (255 mm)

1 T-handle No 506QR N

1 universal joint No 510QR



Code	ΔΔ g
9603 1480	4606

50/16/6QR Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 22 pieces:

- 16 sockets with bi-hexagon No 50: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet No 512QR N

3 extensions No 509QR/3 (75 mm), No 509QR/5 (130 mm), No 509QR/10 (255 mm)

1 T-handle No 506QR

1 universal joint No 510QR



Code	ΔΔ g
9603 1446	4502

50/22/6 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 28 pieces:

- 22 sockets with bi-hexagon No 50: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1407	5076

12,5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

52/22/6 Socket set 1/2"

- in sturdy, stackable ABS plastic case
- Content 28 pieces:
- 22 sockets with hexagon No 52:
 - 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32 mm
- 1 ratchet No 512
- 3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)
- 1 T-handle No 506
- 1 universal joint No 510



	
Code	g
96031409	5138

50ma/39/6N Socket set 1/2"

- in sturdy sheet steel case
- Content 45 pieces:
- 39 sockets with bi-hexagon
 - No 50: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
 - No 50a: 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
- 1 ratchet No 512
- 3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)
- 1 T-handle No 506
- 1 universal joint No 510



	
Code	g
96030140	9020

50ma/39/6QR Socket set 1/2"

-  in sturdy sheet steel case
- Content 45 pieces:
- 39 sockets with bi-hexagon
 - No 50: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
 - No 50a: 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
- 1 ratchet No 512QR N
- 3 extensions No 509QR/3 (75 mm), No 509QR/5 (130 mm), No 509QR/10 (255 mm)
- 1 T-handle No 506QR
- 1 universal joint No 510QR



	
Code	g
96030107	8890

40/52/27/11 Socket set 1/4"; 1/2"

- in sturdy, stackable ABS plastic case
- Content 38 pieces:
- 9 sockets with hexagon No 40:
 - 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 10 sockets with hexagon No 52:
 - 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 3 INHEX sockets No 44: 3; 4; 5 mm
- 5 INHEX sockets No 54: 6; 8; 10; 12; 14 mm
- 2 ratchets No 415, No 512
- 4 extensions No 405/2 (54 mm), No 509/5 (130 mm), No 405/6 (150 mm), No 509/10 (255 mm)
- 2 universal joints No 407, No 510
- 1 drive handle No 400
- 2 T-handles No 404, No 506



	
Code	g
96011160	4915

50/43/7 Socket set 1/2"

- in sturdy sheet steel case
- Content 50 pieces:
- 23 sockets with bi-hexagon No 50:
 - 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
- 7 sockets, long, No 51: 13; 17; 18; 19; 22; 24; 27 mm
- 2 sockets, long with rubber insert No 51:
 - 16 mm - 5/8", 20.8 mm - 13/16"
- 6 UNIFLEX sockets with hexagon No 53:
 - 10; 13; 16; 17; 18; 19 mm
- 5 INHEX sockets No 54: 4; 5; 6; 8; 10 mm
- 1 ratchet No 512
- 3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)
- 1 flexible handle No 504/15
- 1 T-handle No 506
- 1 universal joint No 510



	
Code	g
96030136	11270

50/54/25/6 Socket set 1/2"

- in sturdy, stackable ABS plastic case
- Content 31 pieces:
- 17 sockets with bi-hexagon No 50:
 - 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 8 INHEX sockets No 54: 4; 5; 6; 7; 8; 10; 12; 14 mm
- 1 ratchet No 512
- 3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10 (255 mm)
- 1 T-handle No 506
- 1 universal joint No 510



	
Code	g
96031439	5270

50/54/25/6QR Socket set 1/2" ☐

QR

- in sturdy, stackable ABS plastic case

Content 31 pieces:

17 sockets with bi-hexagon No 50:

8; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22; 24; 27; 30;
32 mm

8 INHEX sockets No 54: 4; 5; 6; 7; 8; 10; 12; 14 mm

1 ratchet No 512QR N

3 extensions No 509QR/3 (75 mm), No 509QR/5 (130 mm),
No 509QR/10 (255 mm)

1 T-handle No 506QR

1 universal joint No 510QR



Code	ΔΔ g
9603 1440	5270

52/54/25/6 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 31 pieces:

17 sockets with hexagon No 52:

8; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22; 24; 27; 30;
32 mm

8 INHEX sockets No 54: 4; 5; 6; 7;

8; 10; 12; 14 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm), No 509/10
(255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1239	5306

52/54/25/6QR Socket set 1/2" ☐

QR

- in sturdy, stackable ABS plastic case

Content 31 pieces:

17 sockets with hexagon No 52:

8; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22; 24; 27; 30;
32 mm

8 INHEX sockets No 54: 4; 5; 6; 7; 8; 10; 12; 14 mm

1 ratchet No 512QR N

3 extensions No 509QR/3 (75 mm), No 509QR/5 (130 mm),
No 509QR/10 (255 mm)

1 T-handle No 506QR

1 universal joint No 510QR



Code	ΔΔ g
9603 1240	5306

87 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 47 pieces:

19 sockets with bi-hexagon No 50:

8; 9; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22; 24; 27; 30;
32; 34 mm

13 combination spanners No 13:

10; 11; 12; 13; 14; 15; 16; 17;
18; 19; 21; 22; 24 mm

2 sockets, long, with rubber insert
No 51: 16 mm - 5/8";
20.8 mm - 13/16"

7 INHEX sockets No 54:

4; 5; 6; 7; 8; 10; 12 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm),
No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 1101	7520

876 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 47 pieces:

19 sockets with hexagon No 52:

8; 9; 10; 11; 12; 13; 14; 15; 16;
17; 18; 19; 21; 22; 24; 27; 30;
32; 34 mm

13 combination spanners No 13:

10; 11; 12; 13; 14; 15; 16; 17;
18; 19; 21; 22; 24 mm

2 sockets, long, with rubber
insert No 51: sizes 16 mm - 5/8";
20.8 mm - 13/16"

7 INHEX sockets No 54:

4; 5; 6; 7; 8; 10; 12 mm

1 ratchet No 512

3 extensions No 509/3 (75 mm), No 509/5 (130 mm),
No 509/10 (255 mm)

1 T-handle No 506

1 universal joint No 510



Code	ΔΔ g
9603 2301	7600

50TX/16/5 Socket set TORX® 1/2" ☐

- in sturdy, stackable ABS plastic case

Content 21 pieces:

7 sockets for external TORX® screws

No 50TX: sizes E10; E12; E14;
E16; E18; E20; E24

9 screwdriver sockets for internal
TORX® screws No 54TX: sizes T20;
T25; T27; T30; T40; T45; T50; T55;
T60

1 ratchet No 512

3 extensions No 509/2 (52 mm), No 509/5 (130 mm),
No 509/10 (255 mm)

1 universal joint No 510



Code	ΔΔ g
9603 3702	3655

12,5
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

DIN
3120

ISO
1174-1

876TX Socket set TORX® 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 39 pieces:
 - 12 sockets with hexagon No 52: 8; 10; 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
 - 6 INHEX sockets No 54: 5; 6; 8; 10; 12; 14 mm
 - 7 sockets for external TORX® screws No 50TX: sizes E10; E12; E14; E16; E18; E20; E24
 - 9 screwdriver sockets for internal TORX® screws No 54TX: sizes T20; T25; T27; T30; T40; T45; T50; T55; T60
 - 1 ratchet No 512
 - 2 extensions No 509/5 (130 mm), No 509/10 (255 mm)
 - 1 T-handle No 506
 - 1 universal joint No 510



Code	ΔΔ g
98811909	6255

86TX Socket set TORX® 1/4; 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 63 pieces:
 - 9 sockets with hexagon No 40: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
 - 10 sockets with hexagon No 52: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
 - 5 sockets for external TORX® screws No 40TX: sizes E4; E5; E6; E7; E8
 - 7 sockets for external TORX® screws No 50TX: sizes E10; E12; E14; E16; E18; E20; E24
 - 3 INHEX sockets No 44: 3; 4; 5 mm
 - 5 INHEX sockets No 54: 6; 8; 10; 12; 14 mm
 - 6 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9; T10; T15; T20; T25
 - 7 screwdriver sockets for internal TORX® screws No 54TX: sizes T27; T30; T40; T45; T50; T55; T60
 - 2 ratchets No 415, No 512
 - 4 extensions No 405/2 (54 mm), No 509/5 (130 mm), No 405/6 (150 mm), No 509/10 (255 mm)
 - 2 universal joints No 407, No 510
 - 1 drive handle No 400
 - 2 T-handles No 404, No 506



Code	ΔΔ g
96013702	6500

89TX Socket set TORX® 1/4; 3/8; 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 35 pieces:
 - 3 sockets for external TORX® screws No 40TX: sizes E4; E5; E6
 - 2 screwdriver sockets for internal TORX® screws No 44KTX: sizes T8; T9
 - 4 sockets for external TORX® screws No 45TX: sizes E7; E8; E10; E12
 - 5 screwdriver sockets for internal TORX® screws No 49TX: sizes T10; T15; T20; T25; T27
 - 6 sockets for external TORX® screws No 50TX: sizes E11; E14; E16; E18; E20; E24
 - 6 screwdriver sockets for internal TORX® screws No 54TX: sizes T30; T40; T45; T50; T55; T60
 - 7 bits ① 1440: T10; 1441: T15; 1442: T20; 1443: T25; 1444: T27; 1445: T30; 1446: T40
 - 1 bit-holder No 442
 - 1 TORX® controller: sizes E6; E7; E8; E10; E12; E14; E16; T10; T15; T20; T25; T27; T30; T40; T45; T47; T50; T55; T60



Code	ΔΔ g
98811908	2420

50a/17/6 Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 23 pieces:
 - 17 sockets with bi-hexagon No 50a: 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
 - 1 ratchet No 512
 - 3 extensions No 509/2 (52 mm), No 509/5 (130 mm), No 509/10 (255 mm)
 - 1 T-handle No 506
 - 1 universal joint No 510



Code	ΔΔ g
96035125	4640

87a Socket set 1/2" ☐

- in sturdy, stackable ABS plastic case
- Content 40 pieces:
 - 15 sockets with bi-hexagon No 50a: 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
 - 2 sockets, long, with rubber insert No 51: 16 mm - 5/8"; 20.8 mm - 13/16"
 - 5 INHEX sockets No 54a: 7/32; 1/4; 5/16; 3/8; 1/2"
 - 12 combination spanners No 13a: 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8"
 - 1 ratchet No 512
 - 3 extensions No 509/2 (52 mm), No 509/5 (130 mm), No 509/10 (255 mm)
 - 1 T-handle No 506
 - 1 universal joint No 510



Code	ΔΔ g
96035101	6700

TCS 1/2"-512/6



TCS



- 175 x 350 x 35 mm
- 6 pieces

Code	ΔΔ g
96838175	1845

No	Content
506	1/2" ■ 300 mm
509/2	1/2" ■ ○ 52 mm
509/5	1/2" ■ ○ 130 mm
509/10	1/2" ■ ○ 255 mm
510	1/2" ■ ○ 71 mm
512	1/2" ■

TCS 1/2"-512/9



TCS



- 175 x 350 x 40 mm
- 9 pieces

Code	ΔΔ g
96830603	2364

No	Content
506	1/2" ■ 300 mm
509/2	1/2" ■ ○ 52 mm
509/5	1/2" ■ ○ 130 mm
509/10	1/2" ■ ○ 255 mm (2x)
510	1/2" ■ ○ 71 mm
512	1/2" ■
513	3/8" ■ 1/2" ○
514	3/4" ■ 1/2" ○

ES 1/2" - 512/6



- 175 x 350 x 35 mm
- 6 pieces



Code	ΔΔ g
96838113	1915

No	Content
506	1/2" ■ 300 mm
509/2	1/2" ■ ○ 52 mm
509/5	1/2" ■ ○ 130 mm
509/10	1/2" ■ ○ 255 mm
510	1/2" ■ ○ 71 mm
512	1/2" ■

TCS 1/2" - 512/6QR

NEW



TCS

QR



- 175 x 350 x 35 mm
- 6 pieces

Code	ΔΔ g
96830362	1845

No	Content
506QR	1/2" ■ 300 mm
509QR/2	1/2" ■ ○ 52 mm
509QR/5	1/2" ■ ○ 130 mm
509QR/10	1/2" ■ ○ 255 mm
510QR	1/2" ■ ○ 80 mm
512QR N	1/2" ■

TCS 1/2" - 512/9QR

NEW



TCS

QR



- 175 x 350 x 40 mm
- 9 pieces

Code	ΔΔ g
96830363	2364

No	Content
506QR	1/2" ■ 300 mm
509QR/2	1/2" ■ ○ 52 mm
509QR/5	1/2" ■ ○ 130 mm
509QR/10	1/2" ■ ○ 255 mm (2x)
510QR	1/2" ■ ○ 80 mm
512QR N	1/2" ■
513	3/8" ■ 1/2" ○
514	3/4" ■ 1/2" ○

12
1/2"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

12,5
1/2"

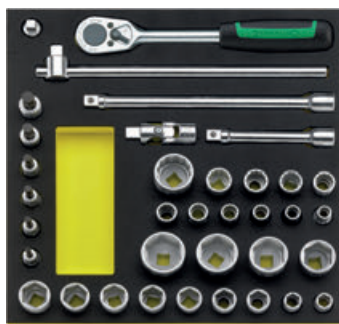
DIN
3120

ISO
1174-1

TCS 50/52/30/6MF



TCS



- 350 x 350 x 70 mm
- 36 pieces

Code	ΔΔ g
96830354	4604

	No	Content
	50	1/2" ○ 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm
	52	1/2" ○ 12; 13; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34 mm
	54	1/2" ○ 5; 6; 7; 8; 10; 12 mm
	506	1/2" ■ 300 mm
	509/5	1/2" ■ ○ 130 mm
	509/10	1/2" ■ ○ 255 mm
	510	1/2" ■ ○ 71 mm
	512	1/2" ■
	513	3/8" ■ 1/2" ○

TCS 50/52/30/6MF QR

NEW



TCS

QR



- 350 x 350 x 70 mm
- 36 pieces

Code	ΔΔ g
96830360	4604

	No	Content
	50	1/2" ○ 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm
	52	1/2" ○ 12; 13; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34 mm
	54	1/2" ○ 5; 6; 7; 8; 10; 12 mm
	506QR	1/2" ■ 300 mm
	509QR/5	1/2" ■ ○ 130 mm
	509QR/10	1/2" ■ ○ 255 mm
	510QR	1/2" ■ ○ 71 mm
	512QR N	1/2" ■
	513	3/8" ■ 1/2" ○

TCS 52/14/4



TCS



- 175 x 350 x 50 mm
- 18 pieces

Code	ΔΔ g
96838781	2510

	No	Content
	52	1/2" ○ 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24; 27; 30 mm
	509/5	1/2" ■ ○ 130 mm
	509/10	1/2" ■ ○ 255 mm
	510	1/2" ■ ○ 71 mm
	512	1/2" ■

TCS 52/14/4QR

NEW



TCS

QR



- 175 x 350 x 50 mm
- 18 pieces

Code	ΔΔ g
96830352	2510

	No	Content
	52	1/2" ○ 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24; 27; 30 mm
	509QR/5	1/2" ■ ○ 130 mm
	509QR/10	1/2" ■ ○ 255 mm
	510QR	1/2" ■ ○ 80 mm
	512QR N	1/2" ■

Tool Control System.

The safety inlay system.

TCS

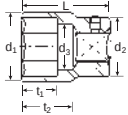


Designed to fit our Tool Trolleys and Tool boxes
With yellow signal cut-outs to show whether all
the tools are in their places.

55 Sockets



- DIN 3124/ISO 2725-1, ASME B 107.5 M
- AS-drive and HPQ® high performance steel up to 38 mm, chrome plated

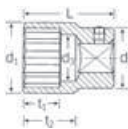


Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
05010019	19	28.5	34.7	17	50	16	26	183	5
05010021	21	31	34.7	18	50	16	26	190	5
05010022	22	32	34.7	19	51	17	25.2	199	5
05010024	24	34	34.7	21	51	18.5	24.6	200	5
05010027	27	38.5	38	24	54	20	26.8	263	5
05010030	30	42	38	27	58	21	33.6	313	5
05010032	32	44.5	38	29	58	22	33	326	2
05010033	33	46	40	30	60	22	34.7	372	2
05010034	34	47	40	31	60	24	34.4	363	2
05010036	36	49.5	40	33	60	24	33.9	386	2
05010038	38	52	40	35	64	30	37.3	429	2
05010041	41	55.5	40	33	67	30	37.5	510	2
05010046	46	61	40	33	73	34	43.5	600	1
05010050	50	66	40	33	80	34	48.5	769	1
05010055	55	72	45	33	80	36	49.5	970	1
05010060	60	78	45	33	80	40	50.5	1025	1

55a Sockets



- SAE AS 954-E (test loads), ASME B 107.1
- AS-drive and HPQ® high performance steel up to 1 1/2", chrome plated

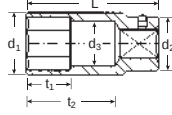


Code	"	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
05410040	3/4	28.5	34.7	18.6	26	50	16	176	2
05410042	13/16	31	34.7	19.4	25.1	51	16.5	190	2
05410044	7/8	33	34.7	21	24.5	51	18	240	2
05410046	15/16	34	34.7	22.5	24.2	51	18.5	248	2
05410048	1	37	38	24	24.8	52	20	251	2
05410050	1 1/16	38.5	38	26	26.2	54	20	265	2
05410052	1 1/8	41	38	27.5	32.5	57	20	297	2
05410056	1 1/4	44.5	38	30.5	32.6	58	22	339	2
05410058	1 5/16	46.5	40	32.1	33.1	59	24	348	2
05410060	1 3/8	48.5	40	33.7	32.7	59	24	375	2
05410062	1 7/16	50	40	35.3	33.2	60	27	395	2
05410064	1 1/2	52	40.5	36.8	36.8	64	30	415	2
05410066	1 5/8	56	40	33	37.5	67	30	469	1
05410067	1 11/16	58	40	33	40.5	70	32	524	1
05410068	1 3/4	59.5	40	33	40.5	70	32	524	1
05410069	1 13/16	61.5	40	33	43.5	73	34	605	1
05410070	1 7/8	63.5	40	33	45	76	34	660	1
05410072	2	67	40	33	48.5	80	34	757	1

56 Sockets



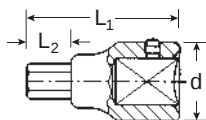
- DIN 3124/ISO 2725-1, ASME B 107.5 M
- extra deep
- AS-drive and HPQ® high performance steel up to 36 mm, chrome plated



Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δ g	
05020022	22	32	34.7	19	64.2	90	40	374	5
05020024	24	34	34.7	21	63.6	90	40	341	5
05020027	27	38.5	38	24	62.8	90	40	443	5
05020030	30	42	38	27	65.6	90	40	477	5
05020032	32	44.5	38	29	65	90	40	526	2
05020034	34	47	40	31	64.4	90	40	562	2
05020036	36	49.5	40	33	63.9	90	40	570	2
05020041	41	55.5	40	38	58.5	90	40	714	2

59 INHEX sockets

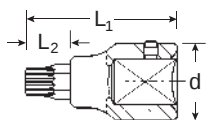
- for socket head screws
- DIN 7422
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	Δ g	
05050014	14	80	25	34.7	272	1
05050017	17	80	25	34.7	311	1
05050019	19	80	25	34.7	346	1
05050022	22	80	25	40	510	1

59X Screwdriver sockets

- for trisquare socket head screws (XZN®)
- Chrome Alloy Steel, chrome plated



Code	size	L ₁ mm	L ₂ mm	d mm	Δ g	
05060014	M14	90	35	34.7	281	1
05060016	M16	80	25	34.7	302	1
05060018	M18	100	45	34.7	375	1

Application: Flywheel and oscillation damper on Mercedes-Benz commercial vehicles

20
3/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

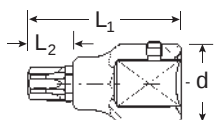
20
3/4"

DIN
3120

ISO
1174-1

59TX Screwdriver sockets

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

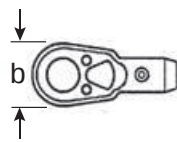
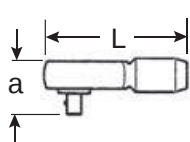


Code	size	mm	L ₁ mm	L ₂ mm	d mm	Δg	
05 100060	T60	13.2	80	25	34.7	260	1
05 100070	T70	15.5	80	25	34.7	285	1
05 100080	T80	17.6	80	25	34.7	300	1
05 100090	T90	19.9	80	25	34.7	331	1
05 100100	T100	22.1	80	25	40	474	1

Application: size T80 for MAN series M, size T100 for MAN series F

Drive tools and accessories

- 3/4" □
- finish: Chrome Alloy Steel, chrome plated



552 Ratchet

- reversible
- 36 teeth
- with QuickRelease safety lock
- for use with bar handle No 558



Code	L mm	b mm	a mm	Δg	
15 110000	165	70	55	1670	1

5520 Spare parts set for ratchet No 552

Content 7 pieces:
1 pinion, 1 pawl, 1 lever, 1 ball, 1 compression spring, 2 screws

Code	Δg	
19050000	536	1

563 Ratchet adaptor

- reversible
- 44 teeth



Code	L mm	∅ mm	Δg	
15 140000	105.5	63	1257	1

554 Flexible head

- with QuickRelease safety lock
- for use with bar handle No 558



Code	L mm	d mm	Δg	
15060000	132	40	795	5

556 Sliding head

- can be used as a T-handle in combination with bar handle No 558



Code	L mm	d mm	Δg	
15070000	61.5	40	318	5

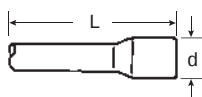
558 Bar handle



Code	L mm	d mm	Δg	
15 170000	510	20	1259	2

559 Extensions

- DIN 3123/ISO 3316



Code	size	L mm	d mm	Δg	
15010003	4	95	35	369	5
15010001	8	200	35	705	5
15010002	16	400	35	1255	5

561 Universal joint

- DIN 3123/ISO 3316



Code	L mm	d mm	Δg	
15020000	109	40	566	1

568 Reducing adaptor

- HPQ
- 3/4" socket x 1/2" plug (20 x 12.5)
- maximum torque 512 N·m
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	Δg	
15030003	55	34.7	203	5

569 Extending adaptor

HPQ

- 3/4" inside x 1" plug (20 x 25)
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	ΔΔ g	
15030006	61	34.7	315	5

55/10/6 Socket set 3/4"

- in sturdy sheet steel case
- Content 16 pieces:
- 10 sockets with hexagon No 55:
22; 24; 27; 30; 32; 34; 36; 41;
46; 50 mm
- 1 ratchet No 552
- 2 extensions No 559/8 (200 mm),
No 559/16 (400 mm)
- 1 flexible head No 554
- 1 sliding head for T-handle No 556
- 1 bar handle No 558



Code	ΔΔ g
96050104	13965

55/9/6N Socket set 3/4"

- in sturdy sheet steel case
- Content 15 pieces:
- 9 sockets with hexagon No 55:
32; 34; 36; 38; 41; 46; 50; 55;
60 mm
- 1 ratchet No 552
- 2 extensions No 559/8 (200 mm),
No 559/16 (400 mm)
- 1 flexible head No 554
- 1 sliding head for T-handle No 556
- 1 bar handle No 558



Code	ΔΔ g
96050103	15731

55a/10/5 Socket set 3/4"

- in sturdy sheet steel case
- Content 15 pieces:
- 10 sockets with bi-hexagon No 55a:
1 1/16; 1 1/8; 1 1/4; 1 3/8; 1 7/16;
1 1/2; 1 5/8; 1 3/4; 1 13/16; 1 7/8"
- 1 ratchet No 552
- 2 extensions No 559/8 (200 mm),
No 559/16 (400 mm)
- 1 sliding head for T-handle No 556
- 1 bar handle No 558



Code	ΔΔ g
96054101	12620

55a/16/6 Socket set 3/4"

- in sturdy sheet steel case
- Content 22 pieces:
- 16 sockets with bi-hexagon
No 55a: 7/8; 15/16; 1; 1 1/16;
1 1/8; 1 1/4; 1 5/16; 1 3/8;
1 7/16; 1 1/2; 1 5/8; 1 11/16;
1 3/4; 1 13/16; 1 7/8; 2"
- 1 ratchet No 552
- 2 extensions
No 559/8 (200 mm),
No 559/16 (400 mm)
- 1 flexible head No 554
- 1 sliding head for T-handle No 556
- 1 bar handle No 558



Code	ΔΔ g
96054103	16750

ES 55/6/4

- 530 x 350 x 83 mm
- 10 pieces



Code	ΔΔ g
96838174	7875

	No	Content
	55	3/4" ○ 34; 36; 41; 46; 50; 55 mm
	552	3/4" ■
	556	3/4" ■
	558	510 mm
	559/8	3/4" ■ ○ 200 mm

TCS 55/11/6

- 530 x 350 x 90 mm
- 17 pieces



Code	ΔΔ g
96830221	10100

	No	Content
	55	3/4" ○ 22; 24; 27; 30; 32; 34; 36; 38; 41; 46; 50 mm
	552	3/4" ■
	556	3/4" ■
	558	510 mm
	559/8	3/4" ■ ○ 200 mm
	559/16	3/4" ■ ○ 400 mm
	568	1/2" ■ 3/4" ○

20
3/4"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

25
1"

DIN
3120

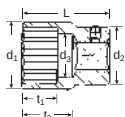
ISO
1174-1

3

60 Sockets

AS HPQ

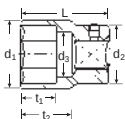
- DIN 3124/ISO 2725-1
- AS-drive and HPQ® high performance steel up to 36 mm, chrome plated



Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg	
06010030	30	42.5	43	27	65	20	33.1	371	2
06010032	32	45	43	29	67	24	34.6	374	2
06010034	34	47	43	31	67	24	34	398	2
06010036	36	49.5	48	33	67	24	33.4	493	2
06010041	41	55.5	48	36	70	30	37.5	530	1
06010046	46	61	49	40	75	32	43.5	622	1
06010050	50	66	48	43	80	34	47.5	707	1
06010055	55	72	48	49	85	36	49.5	920	1
06010060	60	78	48	53	90	40	56.5	992	1

60 Sockets

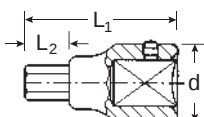
- DIN 3124/ISO 2725-1
- Chrome-Alloy-Steel, chrome plated



Code	mm	d ₁ mm	d ₂ mm	d ₃ mm	L mm	t ₁ mm	t ₂ mm	Δg	
06010065	65	87	60	58	105	40	68.5	1917	1
06010070	70	94	60	63	110	42	72.5	2210	1
06010075	75	101	60	68	115	45	78.5	2525	1
06010080	80	108	60	73	120	48	83.5	2865	1

64 INHEX sockets

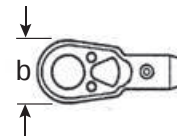
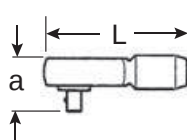
- DIN 7422
- Chrome Alloy Steel, chrome plated



Code	mm	L ₁ mm	L ₂ mm	d mm	Δg	
06050014	14	85	25	43	390	1
06050017	17	85	25	43	417	1
06050019	19	85	25	43	445	1
06050022	22	90	25	48	661	1
06050024	24	90	25	48	719	1
06050027	27	90	25	49	827	1

Drive tools and accessories

- 1" □
- finish: Chrome Alloy Steel, chrome plated



882 Ratchet

QR

- reversible
- 36 teeth
- with QuickRelease safety lock
- for use with bar handle No 888



Code	L mm	b mm	a mm	Δg	
16110000	185	70	60	1984	1

8820 Spare parts set for ratchet No 882

Content 7 pieces:
1 pinion; 1 pawl; 1 lever; 1 ball; 1 compression spring; 2 screws

Code	Δg	
19070000	609	1

884 Flexible head

QR

- with QuickRelease safety lock
- for use with bar handle No 888



Code	L mm	d mm	Δg	
16060000	195	48	1848	1

886 Sliding head

- can be used as a T-handle in combination with bar handle No 888



Code	L mm	d mm	Δg	
16070000	80	48	616	1

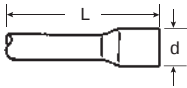
888 Bar handle



Code	L mm	d mm	Δg	
16170000	700	28	3337	1

859 Extensions

- DIN 3123/ISO 3316



Code	size	L mm	d mm	Δ g	
16010001	8	200	43	1004	2
16010002	16	410	43	1794	2

866 Reducing adaptor

HPQ

- 1" socket x 3/4" plug (25 x 20)
- maximum torque 1412 N-m
- DIN 3123/ISO 3316
- HPQ® high performance steel



Code	L mm	d mm	Δ g	
16030005	70	43	347	2

60/6/6/882 Socket set 1"

- in sturdy sheet steel case
- Content 12 pieces:
- 6 sockets with bi-hexagon No 60:
36; 41; 46; 50; 55; 60 mm
- 1 ratchet No 882
- 2 extensions No 859/8 (200 mm),
No 859/16 (410 mm)
- 1 flexible head No 884
- 1 sliding head for T-handle No 886
- 1 bar handle No 888



Code	Δ g
96060101	19720

60/8/6/882 Socket set 1"

- in sturdy sheet steel case
- Content 14 pieces:
- 4 sockets with bi-hexagon No 60:
46; 50; 55; 60 mm
- 4 sockets with hexagon No 60:
65; 70; 75; 80 mm
- 1 ratchet No 882
- 2 extensions No 859/8 (200 mm), No 859/16 (410 mm)
- 1 flexible head No 884
- 1 sliding head for T-handle No 886
- 1 bar handle No 888

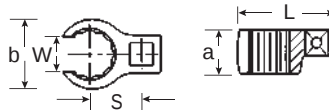


Code	Δ g
96060103	30000

440 CROW-RING spanners

AS

- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	Δ mm	Δ "	L mm	b mm	a mm	S mm	W mm	Δ g	
01190008	8	1/4	23.8	12.7	8	12.3	6.3	11	1
01190009	9	1/4	28.5	18.2	13.5	14	6.7	21	1
01190010	10¹⁾	1/4	28.4	18.2	13.5	14	7.1	16	1
01190011	11	1/4	28	18.2	13.5	14	8.6	17	1
01190012	12¹⁾	1/4	30.8	20.6	14	15.7	9	20	1
01190013	13	1/4	32	22.2	14	16.4	10	30	1
01190014	14¹⁾	1/4	31.7	22.2	14	16.4	11.1	20	1
02190015	15	3/8	36.5	24.6	17.5	19.1	11.9	34	1
02190016	16	3/8	36.1	24.6	17.5	19.1	13	27	1
02190017	17²⁾	3/8	39.2	27.3	17.5	20.5	14	40	1
02190018	18	3/8	40.8	29	18.5	21.3	14.8	45	1
02190019	19²⁾	3/8	40.5	29	18.5	21.3	15.8	40	1
02190020	20	3/8	42.9	31.3	18.5	22.5	15.8	54	1
02190021	21	3/8	42.8	31.3	18.5	22.5	16.2	45	1
02190022	22²⁾	3/8	45.3	33.5	19	23.6	17	57	1
02190023	23	3/8	47.5	35.7	19.5	24.6	17.5	71	1
02190024	24²⁾	3/8	47.3	35.7	19.5	24.6	18	57	1
02190025	25	3/8	49.3	37.7	20	25.7	19	80	1
02190026	26	3/8	49.3	37.7	20	25.7	19	63	1
02190027	27	3/8	52.8	40	21.4	28.2	20	100	1
02191027	27MB³⁾	3/8	57.1	42.1	15	29.3	20	92	1
03190028	28	1/2	56.8	42.1	22.5	29.3	21	120	1
03190030	30	1/2	63	48	22.5	32.5	22	155	1
03190032	32	1/2	62.5	48	22.5	32.5	24	145	1
03190034	34	1/2	64.2	50	24	33.5	27	146	1
03190036	36	1/2	66.5	51.9	24	34.6	27	150	1
03190038	38	1/2	68.1	53.9	24	35.6	28.6	147	1
03190040	40	1/2	71.8	57.9	24.5	37.7	31	160	1
03190041	41	1/2	71.8	57.9	24.5	37.7	31	169	1
03190042	42	1/2	71	57.9	24.5	37.7	33.2	189	1
03190046	46	1/2	77.7	64.2	26	40.9	34.1	215	1
03190050	50	1/2	83.2	70.5	27.5	44.1	39.7	295	1

¹⁾ for union nuts on fuel injection leads on 4-cylinder Mercedes-Benz diesel engines

²⁾ for use on suction or pressure lines within expansion valve of air conditioning unit (Mercedes-Benz)

³⁾ slim-line version for setting of electronic injection on 440-HP-engines Mercedes-Benz series OM 442

6,3
1/4"

10
3/8"

12,5
1/2"

25
1"

DIN
3120

ISO
1174-1

3

Socket sets and sockets

6,3
1/4"

10
3/8"

12,5
1/2"

DIN
3120

ISO
1174-1

3

440a CROW-RING spanners



- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench (refer to note on page 201)

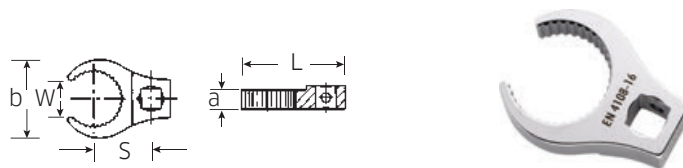
Code	"	"	L mm	b mm	a mm	S mm	W mm	ΔΔ g	
01490024	3/8¹⁾	1/4	28.4	18.2	13.5	14	7.1	16	1
01490028	7/16	1/4	28	18.2	13.5	14	8.6	14	1
01490032	1/2	1/4	30.5	20.6	14	15.7	10	19	1
01490034	9/16	1/4	31.7	22.2	14	16.4	11.1	23	1
02490036	5/8	3/8	36.5	24.6	17.5	19.1	11.9	33	1
02490038	11/16	3/8	39.2	27.3	17.5	20.5	14	36	1
02490040	3/4	3/8	40.9	29	18.5	21.3	14.2	44	1
02490042	13/16	3/8	42.9	31.3	18.5	22.5	15.8	51	1
02490044	7/8	3/8	45.2	33.5	19	23.6	17.5	62	1
02490046	15/16	3/8	47.2	35.7	19.5	24.6	18.3	63	1
02490048	1	3/8	49.3	37.7	20	25.7	19	71	1
02490050	1 1/16	3/8	52.8	40	21.4	28.2	20	84	1
03490052	1 1/8	1/2	56.8	42.1	22.5	29.3	21	110	1
03490056	1 1/4	1/2	62.5	48	22.5	32.5	23.8	137	1
03490058	1 5/16	1/2	62.3	48	22.5	32.5	24.6	130	1
03490060	1 3/8	1/2	64.2	50	24	33.5	27	138	1
03490062	1 7/16	1/2	66.5	51.9	24	34.6	27	143	1
03490064	1 1/2	1/2	68.1	53.9	24	35.6	28.6	152	1
03490065	1 9/16	1/2	70.1	55.9	24	36.7	29.4	172	1
03490066	1 5/8	1/2	71.8	57.9	24.5	37.7	31	169	1
03490068	1 3/4	1/2	75.6	62	25.5	39.8	33.2	199	1
03490069	1 13/16	1/2	77.7	64.2	26	40.9	34.1	229	1
03490072	2	1/2	83.2	70.5	27.5	44.1	39.7	277	1
03490076	2 1/4	1/2	91.2	78.7	29.5	48.2	42.8	337	1
03490077	2 5/16	1/2	93.3	80.9	30	49.2	43.6	309	1
03490078	2 3/8	1/2	95.2	83	30.5	50.2	46	385	1

¹⁾ for Volvo aero-engines, types "JAS"

440S MJ CROW-RING spanners



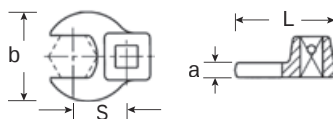
- HPQ® high performance steel, chrome plated
- supersedes No 440 MJ
- EN 4108
- for pipe unions with straight cylindrical involute toothing
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	Threaded nut	mm	"	L mm	b mm	a mm	S mm	W mm	ΔΔ g	
01211010	MJ10	DN04	1/4	31.9	22	8	17	6.5	54	1
01211014	MJ14	DN06	1/4	36.5	27	8	19.5	8.5	29	1
02211016	MJ16	DN08	3/8	43.8	31	8	24	10.5	46	1
02211018	MJ18	DN10	3/8	45.2	33	8	25	13	47	1
02211020	MJ20	DN12	3/8	46.2	35	8	26	15	49	1
02211022	MJ22	DN14	3/8	48.4	37	9	27	17.5	54	1
02211024	MJ24	DN16	3/8	49.5	39	9	28	19.7	56	1
02211027	MJ27	DN18	3/8	54.4	44	10	31	21.5	70	1
02211030	MJ30	DN20	3/8	60.8	50	10	36	23.7	93	1

540 CROW-FOOT spanners

- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	mm	"	L mm	b mm	a mm	S mm	ΔΔ g	
01200008	8	1/4	25.5	19.8	6.3	14.6	19	1
01200009	9	1/4	25.5	19.8	6.3	14.6	21	1
01200010	10	1/4	25.5	19.8	6.3	14.6	20	1
02200011	11	3/8	32	22.2	6.3	17.4	36	1
02200012	12	3/8	34.3	25.4	6.3	18.2	37	1
02200013	13	3/8	34.3	25.4	6.3	17.8	36	1
02200014	14	3/8	37.7	30	6.3	20.8	46	1
02200015	15	3/8	37.7	30	6.3	20.4	45	1
02200016	16	3/8	37.7	30	6.3	19.9	45	1
02200017	17	3/8	42.5	38	6.3	23.8	62	1
02200018	18	3/8	42.5	38	6.3	22.9	61	1
02200019	19	3/8	42.5	38	6.3	22.4	64	1
02200020	20	3/8	42.4	38	6.3	25	55	1
02200021	21	3/8	44.5	41	6.3	23.6	59	1
02200022	22	3/8	44.5	41	6.3	24.2	64	1
02200023	23	3/8	44.5	41	6.3	25.8	64	1
02200024	24	3/8	44.4	41	6.3	26.3	60	1
02200025	25	3/8	47	45	8	26.4	75	1
02200026	26	3/8	47	45	8	27.6	80	1
02200027	27	3/8	47	45	8	27.6	76	1
02200028	28	3/8	50	50	8	29.2	78	1
02200030	30	3/8	50	50	8	29.3	84	1
02200032	32	3/8	53	57	8	30.5	95	1
02200034	34	3/8	54.5	60	8	31.6	107	1
02200036	36	3/8	56.5	62	8	32.8	100	1
02200040	40	3/8	63	70	8	37.6	130	1
02200041	41	3/8	63	70	8	37.2	130	1
02200042	42	3/8	63	70	8	37.7	125	1
02200046	46	3/8	72	82	8	43.1	191	1
02200050	50	3/8	75	88	8	45.4	217	1

1225 Special extension

- 3/8" ■
- offset



Code	L mm	d mm	ΔΔ g	
12250001	150	17	128	5

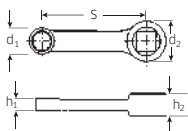
540a CROW-FOOT spanners

- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench (refer to note on page 201)

Code	"	"	L mm	b mm	a mm	S mm	Δ g	
01500024	3/8	1/4	25.5	19.8	6.3	14.6	17	1
02500028	7/16	3/8	32	22.2	6.3	17.2	34	1
02500032	1/2	3/8	34.3	25.4	6.3	18.1	37	1
02500034	9/16	3/8	37.7	30	6.3	20.9	40	1
02500036	5/8	3/8	37.7	30	6.3	20.4	44	1
02500038	11/16	3/8	42.5	38	6.3	24.1	62	1
02500040	3/4	3/8	42.5	38	6.3	24	66	1
02500042	13/16	3/8	42.3	38	6.3	24	59	1
02500044	7/8	3/8	44.5	41	6.3	25.8	65	1
02500048	1	3/8	47	45	8	26.7	78	1
02500050	1 1/16	3/8	47	45	8	27.2	78	1
02500052	1 1/8	3/8	50	50	8	28.5	84	1
02500054	1 3/16	3/8	50	50	8	29.2	83	1
02500056	1 1/4	3/8	53	57	8	30.3	101	1
02500058	1 5/16	3/8	53	57	8	31.2	101	1
02500060	1 3/8	3/8	54.5	60	8	32.3	105	1
02500062	1 7/16	3/8	56.5	62	8	33.1	107	1
02500064	1 1/2	3/8	58	65	8	34.5	118	1
02500065	1 9/16	3/8	59.5	68	8	35.7	126	1
02500066	1 5/8	3/8	63	70	8	37.3	140	1
02500067	1 11/16	3/8	63	70	8	37.7	126	1
02500068	1 3/4	3/8	68	76	8	40.4	161	1
02500070	1 7/8	3/8	72	82	8	42	205	1
02500072	2	3/8	75	88	8	44.8	214	1
02500074	2 1/8	3/8	75.6	91	10	46	265	1
02500076	2 1/4	3/8	80.5	96	10	49.5	297	1
03500078	2 3/8	1/2	81.5	96	8	51.3	214	1

447 Adaptor

- HPQ® high performance steel, gunmetal finish
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	mm	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	Δ g	
02181007	7	3/8	11.5	19	6	11	50.8	30	1
02181008	8	3/8	12.4	19	6	11	50.8	30	1
02181009	9	3/8	14	19	8	11	50.8	40	1
02181010	10	3/8	15.6	19	8	11	50.8	40	1
02181013	13	3/8	19.3	19	9.2	11	50.8	55	1

447a Adaptor

- SAE AS 954-E
- HPQ® high performance steel, gunmetal finish
- Caution! Modified settings on torque wrench (refer to note on page 201)

Code	"	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	Δ g	
02470016	1/4	3/8	10.4	19	6	11	50.8	27	1
02470020	5/16	3/8	12.4	19	6	11	50.8	29	1
02470024	3/8	3/8	14.9	19	8	11	50.8	41	1
02470028	7/16	3/8	17	19	8	11	50.8	40	1
02470032	1/2	3/8	19	19	9.2	11	50.8	56	1

540a HD CROW-FOOT spanners heavy-duty

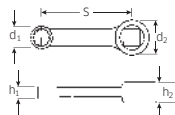
- for particularly high loadings, e.g. stainless steel screw fittings
- full use of jaws in conjunction with standard ratchets
- chrome plated
- supplied without ratchet
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	"	"	L mm	b mm	a mm	S mm	Δ g	
02501024	3/8	3/8	39	26	11	24	56	1
02501028	7/16	3/8	40	26	11	25	56	1
02501032	1/2	3/8	42	30	11	25.8	64	1
02501034	9/16	3/8	43.4	32	11	26.8	52	1
02501036	5/8	3/8	45	34.8	11	27.7	58	1
02501038	11/16	3/8	47.2	38	11	28.6	69	1
02501040	3/4	3/8	49	41	11	29.6	94	1
02501042	13/16	3/8	51	46.4	11	30.5	113	1
02501044	7/8	3/8	52	48	11	31.3	99	1
02501046	15/16	3/8	54	51.2	11	32.3	129	1
02501048	1	3/8	56	53.4	11	33.2	133	1
02501050	1 1/16	3/8	57	53.8	11	34.1	124	1
02501052	1 1/8	3/8	59	53.8	11	35	128	1
02501054	1 3/16	3/8	60	56	11	35.9	144	1
02501058	1 5/16	3/8	63	56	11	27.9	156	1
02501056	1 1/4	3/8	62	60	11	36.8	153	1
02501060	1 3/8	3/8	65	62	11	38.7	178	1
02501062	1 7/16	3/8	66.5	66	11	39.6	172	1
03501064	1 1/2	1/2	76	70	16	45	310	1
03501069	1 13/16	1/2	85	84	16	49.6	400	1
03501072	2	1/2	89	90	16	52.3	451	1
03501074	2 1/8	1/2	91.5	92.8	16	54.2	460	1
03501075	2 3/16	1/2	93	96	16	55.1	480	1
03501076	2 1/4	1/2	95	99	16	56	500	1

447aSP Adaptor

- for external Spline-Drive screws
- MS-33787, MIL-W-8982
- HPQ® high performance steel, gunmetal finish
- Caution! Modified settings on torque wrench (refer to note on page 201)



Code	Spline size	"	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	Δ g	
02480014	7	3/8	7/32	9.4	19	6	11	50.8	28	1
02480016	8	3/8	1/4	10.4	19	6	11	50.8	27	1
02480018	9	3/8	9/32	11.5	19	6	11	50.8	29	1
02480020	10	3/8	5/16	12.4	19	6	11	50.8	29	1
02480024	12	3/8	3/8	14.9	19	8	11	50.8	38	1
02480028	14	3/8	7/16	17	19	9.2	11	50.8	39	1
02480032	16	3/8	1/2	19	19	9.2	11	50.8	59	1
02480034	18	3/8	9/16	21	19	9.2	11	50.8	55	1
02480036	20	3/8	5/8	23	19	12	11	50.8	74	1

10
3/8"

12.5
1/2"

DIN
3120

ISO
1174-1

3

Empty boxes and trays

No	Box No	mm	Box Code	Tray Code
40/9/4, 40D/9/4	40/9KN	227x131x57	81 25 10 19	83 01 30 12
40/13/6	40/9KN	227x131x57	81 25 10 19	83 01 20 80
40/13/6QR	40/9KN	227x131x57	81 25 10 19	83 01 21 82
40/44/17/5	40/9KN	227x131x57	81 25 10 19	83 01 20 81
40/44/17/5QR	40/9KN	227x131x57	81 25 10 19	83 02 20 84
40/23/7, 40D/23/7	45/1KN	322x134x57	81 26 10 11	83 01 20 17
40/23/6N, 40D/23/6	40/9KN	227x131x57	81 25 10 19	83 01 20 14
40/23/6QR	40/9KN	227x131x57	81 25 10 19	83 01 10 15
40/24/6	40/9KN	227x131x57	81 25 10 19	83 01 20 82
40/24/6QR	40/9KN	227x131x57	81 25 10 19	83 01 20 83
40ma/25/8	45/1KN	322x134x57	81 26 10 11	83 01 20 35
40ma/25/8QR	45/1KN	322x134x57	81 26 10 11	83 01 20 06
40/45/36/12	40/7KN	413x230x57	81 25 10 14	83 01 20 10
40/52/27/11	50/4KN	454x253x64	81 27 10 34	83 01 20 04 83 01 20 05
40TX/44KTX/15/6	40/9KN	227x131x57	81 25 10 19	83 01 20 07
88TX	45/1KN	322x134x57	81 26 10 11	83 02 20 17
89TX	40/7KN	413x230x57	81 25 10 14	83 09 20 13
86TX	50/6KN	481x288x82	81 27 10 19	83 01 20 02 83 01 10 03
40a/9/4, 40aD/9/4	40/9KN	227x131x57	81 25 10 19	83 01 20 13
40aD/12/7QR	40/9KN	227x131x57	81 25 10 19	83 01 21 16
40aD/30/7QR	40/7KN	413x230x57	81 25 10 14	83 01 21 12
40aD/8/1H	40/9KN	227x131x57	81 25 10 19	83 01 21 07
4008/27/1R	45/1KN	322x134x57	81 26 10 11	83 18 10 01
415QR N/7	40/9KN	227x131x57	81 25 10 19	83 32 30 06
45/11/4, 456/11/4	45/1KN	322x134x57	81 26 10 11	83 02 20 13
45/14/5i, 456/14/5i	45/1KN	322x134x57	81 26 10 11	83 02 20 80
45/14/5iQR	45/1KN	322x134x57	81 26 10 11	83 02 20 81
45/13/5, 456/13/5	45/1KN	322x134x57	81 26 10 11	83 02 20 45
45ma/28/5	40/7KN	413x230x57	81 25 10 14	83 02 20 27
45ma/28/5QR	40/7KN	413x230x57	81 25 10 14	83 02 20 07
45/49/19/5, 456/49/19/5	40/7KN	413x230x57	81 25 10 14	83 02 20 21
89	50/6KN	481x288x82	81 27 10 19	83 02 11 18
45/41/9	50/5	530x265x50	81 27 00 05	83 02 02 02
45TX/7			-	83 06 00 15
49TX/8			-	83 06 00 14
45TX/49TX/15/5	40/7KN	413x230x57	81 25 10 14	83 02 20 19
45/49/32/5TX	40/7KN	413x230x57	81 25 10 14	83 02 20 09
45a/12/5	45/1KN	322x134x57	81 26 10 11	83 02 20 06
45a/14/8QR	50/4KN	454x253x64	81 27 10 34	83 02 20 12

No	Box No	mm	Box Code	Tray Code
45a/22/8QR	50/4KN	454x253x64	81 27 10 34	83 02 21 12
45a/33/13	50/5	530x265x50	81 27 00 05	83 02 02 13
435QR N/6	45/1KN	322x134x57	81 26 10 11	83 23 30 12
52/9/3	50/3KN	413x226x64	81 27 10 13	83 03 14 25
50/12/3, 52/12/3	50/3KN	413x226x64	81 27 10 13	83 03 14 12
54/10	40/9KN	227x131x57	81 25 10 19	83 03 24 03
54/12	45/1KN	322x134x57	81 26 10 11	83 03 44 09
54CV/9	40/9KN	227x131x57	81 25 10 19	83 03 34 09
3054X/54X/8	40/9KN	227x131x57	81 25 10 19	83 03 36 12
54/8/4	40/7KN	413x230x57	81 25 10 14	83 03 34 13
52/16/5	50/4KN	454x253x64	81 27 10 34	83 03 54 09
50/16/6, 52/16/6	50/4KN	454x253x64	81 27 10 34	83 03 24 80
50/16/6QR, 52/16/6QR	50/4KN	454x253x64	81 27 10 34	83 03 24 81
50/22/6, 52/22/6	50/4KN	454x253x64	81 27 10 34	83 03 14 07
50ma/39/6N	50/5	530x265x50	81 27 00 05	83 03 14 26
50ma/39/6QR	50/5	530x265x50	81 27 00 05	83 03 14 05
50/54/25/6, 52/54/25/6	50/4KN	454x253x64	81 27 10 34	83 03 24 17
50/54/25/6QR, 52/54/25/6QR	50/4KN	454x253x64	81 27 10 34	83 03 24 00
50/43/7	50/5	530x265x50	81 27 00 05	83 03 05 11
87, 876	50/6KN	481x288x82	81 27 10 19	83 09 31 11 83 09 32 11
50TX/7			-	83 06 00 09
50TX/8	40/9KN	227x131x57	81 25 10 19	83 03 34 11
54TX/9			-	83 06 00 10
54TX/10	40/9KN	227x131x57	81 25 10 19	83 03 24 02
54TX/59TX/12/1	40/7KN	413x230x57	81 25 10 14	83 06 10 12
54TXB/9			-	83 06 00 10
54TXB/10	40/9KN	227x131x57	81 25 10 19	83 03 24 02
50TX/16/5	50/3KN	413x226x64	81 27 10 13	83 03 24 13
876TX	50/6KN	481x288x82	81 27 10 19	83 09 20 11
50a/17/6	50/4KN	454x253x64	81 27 10 34	83 03 14 41
87a	50/6KN	481x288x82	81 27 10 19	83 09 11 12 83 09 12 12
512QR N/7	50/3KN	413x226x64	81 27 10 13	83 32 30 02
55/10/6	55/7	575x220x86	81 29 00 08	83 04 00 02
55/9/6N	55/7	575x220x86	81 29 00 08	83 04 00 01
55a/10/5	55/6	520x160x86	81 29 00 07	83 04 00 03
55a/16/6	55/7	575x220x86	81 29 00 08	83 04 00 04
60/6/6/882	60/1	785x173x90	81 30 00 01	-
60/8/6/882	60/2	785x200x122	81 30 00 02	-
12171/19/4 VDE, 12179/9/4 VDE	50/6KN VDE	481x288x82	81 27 20 19	-