



**THE
GERMAN
MANUFACTURER**



2022

Dear Business Friends,

We are pleased to present our new *HaFu - The German Manufacturer* catalogue to you here at the start of 2022.

We hope that you will find interesting tools in it for your own range and brand.

We would like to highlight the innovations we have made.

After thorough technical tests, we have decided to use the retaining ball to resolve the holding function issue, as it provides the most effective solution. From now on, you can rely on our new product: GeckoTip®

We have also expanded our successful SPEKTRAL® range and drawn it together in a separate chapter.

Our ultra-modern production plant is once only in the world and enables us to offer you a unique price/performance ratio - Made in Germany.

Founded in 1967, we now look back on more than 50 years of experience in the production of hexagon and TORX® tools. Fabian Fuhrmann and Felix Fuhrmann have now joined the family business and represent the third generation to work in it. This will ensure that we remain the right partner for you in the years to come.

We wish you great success using our tools!


Joachim Fuhrmann
CEO


Waldemar Pachula
Proxy



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1 FAMILY

HaFu is an owner-managed family business.

3 GENERATIONS

Fuhrmann:

Hans-Jürgen, Joachim, Fabian and Felix

6 CORNERS

and six sides form our favourite shape

32 COUNTRIES

We have customers in 32 countries worldwide, which we supply directly, in addition to our trading partners in Germany.

58 EMPLOYEES

We owe our company's success to the individual skills of our employees and the collective strength of our team.

100 PER CENT

Made in Germany

365 DAYS

is how long we spend each year working on developing HaFu.

800 DEGREES CELSIUS

We harden our tools at temperatures above 800°C to make them strong enough for continuous industrial operation.

1967 FOUNDATION

Hans-Jürgen Fuhrmann founded HaFu on 1st October 1967 in Hagen on an area of just 40 sq. m.

2022 THE GOLDEN TWENTIES

We will use the opportunities of the new decade to consolidate the leading position we have in production technology.

2660 STORAGE SPACES

are available in our high-bay warehouse. We use it mainly to store finished goods, so that we have the highest possible delivery capability.

4500 ITEMS

Our product range comprises over 4,500 items. Customer-specific designs are one of our key capabilities.

1.000.000 PLASTIC PARTS

Having our own plastic injection moulding shop enables us to produce very flexibly, especially the smaller series.

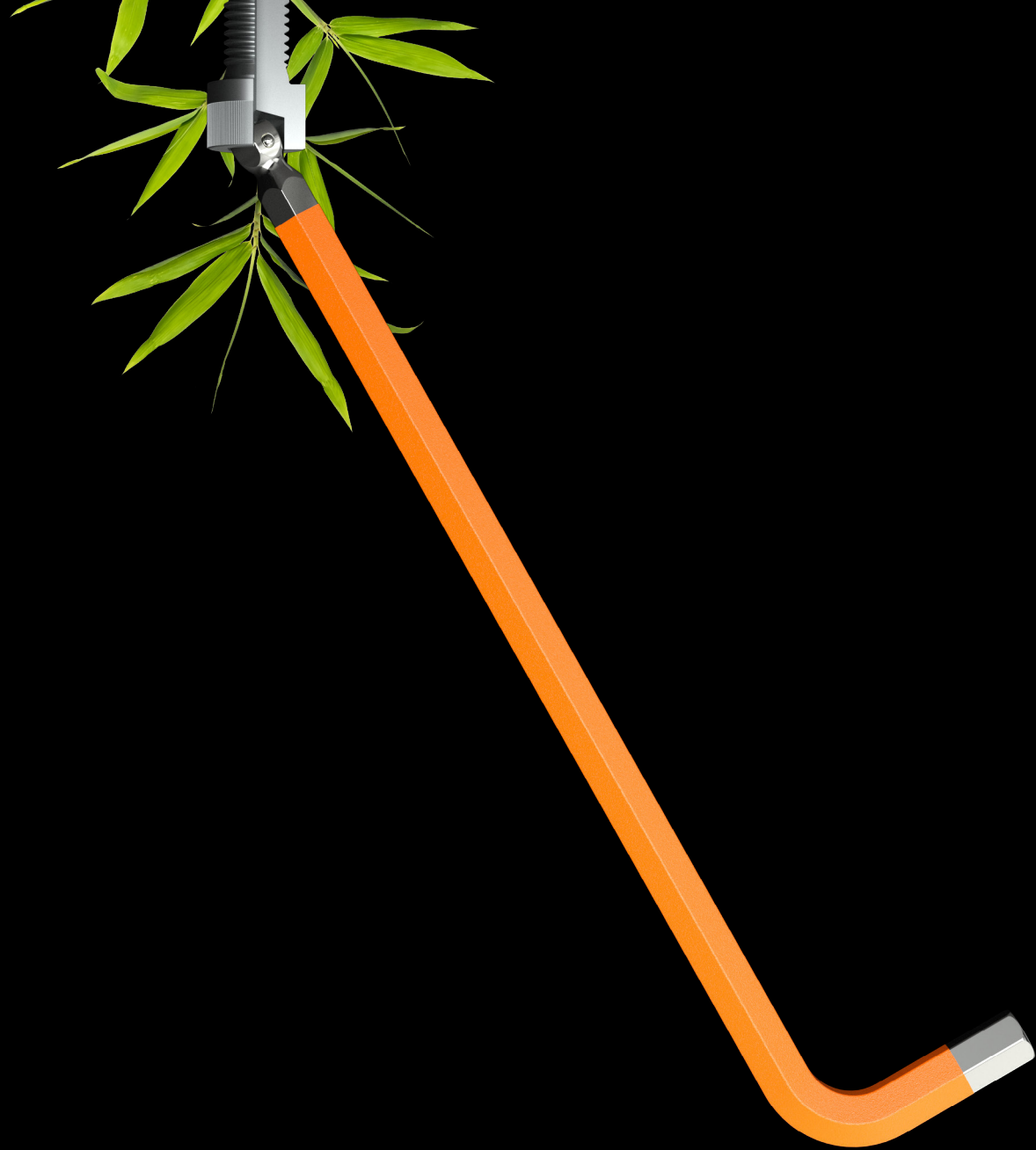
100.000.000 KEYS

We produce more than one key per person in Germany every year on average.



INTRODUCING THE NEW GECKOTIP®





HEXAGON KEY WRENCHES WITH A HOLDING FUNCTION — MADE IN GERMANY

There are basically two different methods for producing hex keys with a non-magnetic holding function. With GeckoTip® we have decided on the method with a retaining ball. We share the opinion that this is more reliable than the solution with spring steel compression ring.

The key advantages of GeckoTip® are:

- The retaining ball holds hexagonal socket screws reliably
- Extracting, inserting and tightening screws in drill holes is made easy
- The ballpoint can swivel freely
- The holding function does not jam in the screw

Hexagon key wrenches with a GeckoTip® are also available, even in smaller quantities, in private label versions.



SERIES 480 HEXAGON KEY WRENCHES BALLPOINT / GECKOTIP® HOLDING FUNCTION

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE	mm	Length	Weight	Icon 1	Icon 2
480-030-02	3	129 × 23	9	-	10
480-040-02	4	144 × 29	19	-	10
480-050-02	5	165 × 33	33	-	10
480-060-02	6	186 × 38	54	-	10
480-080-02	8	208 × 44	105	-	5
480-100-02	10	234 × 50	185	-	5

SERIES 483 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP®

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CONTENT	Series 480	mm	Weight	Icon
483-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	410	-

With GeckoTip® ≥ 3 mm



SERIES 482 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP® / COLOR-CODED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	Series 480	mm	Weight	Icon
482-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	410	-

With GeckoTip® ≥ 3 mm



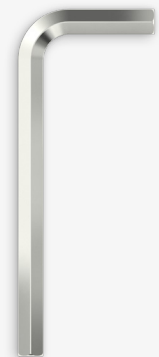
SERIES 488 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP®

SB-DISPLAY BOX TRANSPARENT • EXTRA LONG, CV-STEEL

CODE	CONTENT	Series 480	mm	Weight	Icon
488-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs 2-10	510	+




With GeckoTip® ≥ 3 mm





SERIES 200 HEXAGON KEY WRENCHES




ISO 2936 • KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED	mm		g		
200-007-01		0.7	33 × 7	0.4	-	100
200-009-01		0.9	33 × 11	0.5	-	100
200-015-01	200-015-02	1.5	46.5 × 15.5	1	-	100
200-020-01	200-020-02	2	52 × 18	2	-	100
200-025-01	200-025-02	2.5	58.5 × 20.5	4	-	100
200-030-01	200-030-02	3	66 × 23	5	-	100
200-035-01	200-035-02	3.5	69.5 × 25.5	8	-	100
200-040-01	200-040-02	4	74 × 29	10	-	100
200-045-01	200-045-02	4.5	80 × 30.5	15	-	100
200-050-01	200-050-02	5	85 × 33	18	-	100
200-055-01	200-055-02	5.5	90.5 × 35.5	24	-	100
200-060-01	200-060-02	6	96 × 38	30	-	100
200-070-01	200-070-02	7	102 × 41	43	-	50
200-080-01	200-080-02	8	108 × 44	59	-	50
200-090-01	200-090-02	9	114 × 47	79	-	25
200-100-01	200-100-02	10	122 × 50	103	-	25
200-110-01	200-110-02	11	129 × 53	131	-	25
200-120-01	200-120-02	12	137 × 57	160	-	25
200-130-01	200-130-02	13	145 × 63	215	-	20
200-140-01	200-140-02	14	154 × 70	260	-	20
200-150-01	200-150-02	15	161 × 73	290	-	20
200-160-01	200-160-02	16	168 × 76	400	-	10
200-170-01	200-170-02	17	177 × 80	430	-	10
200-180-01	200-180-02	18	188 × 84	510	-	10
200-190-01	200-190-02	19	199 × 89	620	-	10
200-200-01	200-200-02	20	200 × 90	650	-	5
200-210-01	200-210-02	21	211 × 96	860	-	5
200-220-01	200-220-02	22	222 × 102	950	-	5
200-240-01	200-240-02	24	248 × 114	1250	-	bulk
200-270-01	200-270-02	27	277 × 127	1740	-	bulk
200-300-01	200-300-02	30	315 × 142	2460	-	bulk
200-320-01	200-320-02	32	347 × 157	3080	-	bulk
200-360-01	200-360-02	36	391 × 176	4370	-	bulk
200-410-01		41	442 × 194	5280	-	bulk
200-460-01		46	490 × 212	6450	-	bulk
200-500-01		50	570 × 230	8250	-	bulk
200-550-01		55	605 × 235	9250	-	bulk



SERIES 200 HEXAGON KEY WRENCHES

ISO 2936 • KEY WRENCH MADE OF CV-STEEL

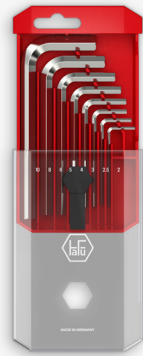
CODE BLACK	CODE NICKEL PLATED	mm		g		
200-015-81	200-015-82	1.5	46.5 × 15.5	4	+	10
200-020-81	200-020-82	2	52 × 18	5	+	10
200-025-81	200-025-82	2.5	58.5 × 20.5	7	+	10
200-030-81	200-030-82	3	66 × 23	8	+	10
200-040-81	200-040-82	4	74 × 29	13	+	10
200-050-81	200-050-82	5	85 × 33	21	+	10
200-060-81	200-060-82	6	96 × 38	35	+	10
200-070-81	200-070-82	7	102 × 41	48	+	5
200-080-81	200-080-82	8	108 × 44	64	+	5
200-100-81	200-100-82	10	122 × 50	108	+	5
200-120-81	200-120-82	12	137 × 57	165	+	5



SERIES 207 HEXAGON KEY WRENCHES

SB-DISPLAY BOX • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
207-180-01	207-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs	2-10	290 +



SERIES 208 HEXAGON KEY WRENCHES

SB-DISPLAY BOX TRANSPARENT • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
208-180-01	208-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs	2-10	290 +



SERIES 225 HEXAGON KEY WRENCHES

RING SET IN SB-PLASTIC WALLET • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
225-180-01	225-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs	2-10	270 +



SERIES 230 HEXAGON KEY WRENCHES

PLASTIC WALLET • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
230-180-01	230-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs	2-10	250 -
230-104-01	230-104-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12 • 14		10 pcs	2-14	720 -



SERIES 231 HEXAGON KEY WRENCHES

SB-PLASTIC WALLET • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
231-180-01	231-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs	2-10	250 +



SERIES 238 HEXAGON KEY WRENCHES

PLASTIC CLIP • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
238-176-01	238-176-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs	1.5-6	80 -
238-190-01	238-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs	1.5-10	250 -
238-102-01	238-102-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs	1.5-12	415 -



SERIES 238 HEXAGON KEY WRENCHES

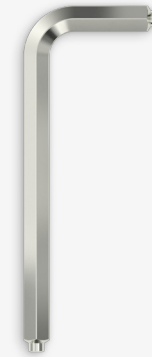
PLASTIC CLIP • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
238-176-81	238-176-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs 1.5-6	90	+
238-190-81	238-190-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	260	+
238-102-81	238-102-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs 1.5-12	425	+

SERIES 238 HEXAGON KEY WRENCHES

SB-PLASTIC CLIP • ISO 2936, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 200	mm	g	
238-376-01	238-376-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs 1.5-6	80	+
238-390-01	238-390-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	250	+
238-302-01	238-302-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs 1.5-12	415	+



SERIES 202 HEXAGON KEY WRENCHES WITH A HOLE

KEY WRENCH MADE OF CV-STEEL

CODE BLACK	mm	mm	g		
202-025-01	2.5	58.5 × 20.5	4	-	10
202-030-01	3	66 × 23	5	-	10
202-040-01	4	74 × 29	10	-	10
202-050-01	5	85 × 33	18	-	10
202-060-01	6	96 × 38	30	-	10
202-080-01	8	108 × 44	59	-	10

SERIES 245 HEXAGON KEY WRENCHES WITH ROUND LUG

DIN 6911 • KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED	mm	mm	g		
245-030-01	245-030-02	3	66 × 23	5	-	100
245-040-01	245-040-02	4	74 × 29	10	-	100
245-050-01	245-050-02	5	85 × 33	18	-	100
245-060-01	245-060-02	6	96 × 38	30	-	100
245-070-01	245-070-02	7	102 × 41	43	-	50
245-080-01	245-080-02	8	108 × 44	59	-	50
245-100-01	245-100-02	10	122 × 50	103	-	25
245-120-01	245-120-02	12	137 × 57	160	-	25
245-140-01	245-140-02	14	154 × 70	260	-	20
245-170-01	245-170-02	17	177 × 80	430	-	10
245-190-01	245-190-02	19	199 × 89	617	-	10
245-220-01	245-220-02	22	222 × 102	920	-	5
245-240-01	245-240-02	24	248 × 114	1238	-	bulk
245-270-01	245-270-02	27	277 × 127	1740	-	bulk
245-300-01	245-300-02	30	315 × 142	2460	-	bulk
245-320-01	245-320-02	32	347 × 157	3080	-	bulk
245-360-01	245-360-02	36	391 × 176	4370	-	bulk

SERIES 248 HEXAGON KEY WRENCHES WITH ROUND LUG

PLASTIC CLIP • DIN 6911, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 245	mm	g	
248-160-01	248-160-02	3 • 4 • 5 • 6 • 8 • 10		6 pcs 3-10	245	-

SERIES 272
HEXAGON KEY WRENCHES FOLDEX® DUO FOLDING SET

BLADE MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT		mm	g	
272-168-08	272-168-02	2.5•3•4•5•6•8	6 pcs	2.5-8	175	-
272-170-08	272-170-02	2.5•3•4•5•6•8•10	7 pcs	2.5-10	290	-

SERIES 272
HEXAGON KEY WRENCHES FOLDEX® DUO FOLDING SET

BLADE MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT		mm	g	
272-168-88	272-168-82	2.5•3•4•5•6•8	6 pcs	2.5-8	185	+
272-170-88	272-170-82	2.5•3•4•5•6•8•10	7 pcs	2.5-10	300	+





SERIES 210 HEXAGON KEY WRENCHES

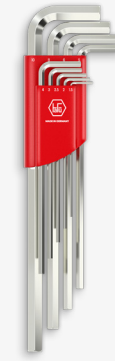
ISO 2936 L • KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED	mm		g		
210-015-01	210-015-02	1.5	91.5 × 15.5	2	-	50
210-020-01	210-020-02	2	102 × 18	4	-	50
210-025-01	210-025-02	2.5	114.5 × 20.5	6	-	50
210-030-01	210-030-02	3	129 × 23	9	-	50
210-035-01	210-035-02	3.5	140 × 25.5	13	-	50
210-040-01	210-040-02	4	144 × 29	19	-	50
210-045-01	210-045-02	4.5	156 × 30.5	25	-	50
210-050-01	210-050-02	5	165 × 33	33	-	50
210-055-01	210-055-02	5.5	175 × 35.5	42	-	50
210-060-01	210-060-02	6	186 × 38	54	-	50
210-070-01	210-070-02	7	197 × 41	80	-	25
210-080-01	210-080-02	8	208 × 44	105	-	25
210-090-01	210-090-02	9	219 × 47	148	-	25
210-100-01	210-100-02	10	234 × 50	185	-	25
210-110-01	210-110-02	11	247 × 53	247	-	10
210-120-01	210-120-02	12	262 × 57	295	-	10
210-130-01	210-130-02	13	277 × 63	370	-	10
210-140-01	210-140-02	14	294 × 70	460	-	10
210-170-01	210-170-02	17	337 × 80	750	-	5
210-190-01	210-190-02	19	379 × 89	1100	-	5
210-220-01	210-220-02	22	422 × 102	1650	-	5
210-240-01	210-240-02	24	472 × 114	2140	-	bulk
210-270-01	210-270-02	27	527 × 127	2980	-	bulk

SERIES 210 HEXAGON KEY WRENCHES

ISO 2936 L • KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED	mm		g		
210-015-81	210-015-82	1.5	91.5 × 15.5	5	+	10
210-020-81	210-020-82	2	102 × 18	7	+	10
210-025-81	210-025-82	2.5	114.5 × 20.5	9	+	10
210-030-81	210-030-82	3	129 × 23	12	+	10
210-040-81	210-040-82	4	144 × 29	22	+	10
210-050-81	210-050-82	5	165 × 33	36	+	10
210-060-81	210-060-82	6	186 × 38	59	+	10
210-070-81	210-070-82	7	197 × 41	85	+	5
210-080-81	210-080-82	8	208 × 44	110	+	5
210-100-81	210-100-82	10	234 × 50	190	+	5
210-120-81	210-120-82	12	262 × 57	300	+	5



SERIES 211 HEXAGON KEY WRENCHES

PLASTIC CLIP • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
211-190-01	211-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	430	-

SERIES 211 HEXAGON KEY WRENCHES

SB-PLASTIC CLIP • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
211-390-01	211-390-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	430	+

SERIES 213 HEXAGON KEY WRENCHES

SB-PLASTIC WALLET • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
213-180-01	213-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs 2-10	415	+



SERIES 217 HEXAGON KEY WRENCHES

SB-DISPLAY BOX • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
217-180-01	217-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs 2-10	510	+



SERIES 218 HEXAGON KEY WRENCHES

SB-DISPLAY BOX TRANSPARENT • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
218-180-01	218-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		8 pcs 2-10	510	+



SERIES 223 HEXAGON KEY WRENCHES

FABLIX® 2C HOLDER • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
223-190-01	223-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	380	-



SERIES 223 HEXAGON KEY WRENCHES

FABLIX® 2C HOLDER • ISO 2936 L, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210	mm	g	
223-190-81	223-190-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	390	+





SERIES 220 HEXAGON KEY WRENCHES WITH T-HANDLE

BLADE MADE OF CV-STEEL

CODE NICKEL PLATED	mm							
220-210-02	2	100	125	70	21	-	10	
220-220-02	2	200	225	70	24	-	10	
220-251-02	2.5	100	125	70	24	-	10	
220-252-02	2.5	200	225	70	29	-	10	
220-310-02	3	100	125	70	24	-	10	
220-315-02	3	150	175	70	30	-	10	
220-320-02	3	200	225	70	32	-	10	
220-335-02	3	350*	375	90	41	-	10	
220-410-02	4	100	125	70	40	-	10	
220-415-02	4	150	175	70	47	-	10	
220-420-02	4	200	225	70	53	-	10	
220-435-02	4	350*	375	90	69	-	10	
220-510-02	5	100	132	90	51	-	10	
220-515-02	5	150	182	90	60	-	10	
220-520-02	5	200	232	90	68	-	10	
220-535-02	5	350	382	90	85	-	10	
220-545-02	5	450**	482	90	110	-	10	
220-610-02	6	100	132	90	58	-	10	
220-615-02	6	150	182	90	77	-	10	
220-620-02	6	200	232	90	84	-	10	
220-635-02	6	350	382	90	118	-	10	
220-720-02	7	200	232	90	110	-	10	
220-810-02	8	100	132	90	85	-	10	
220-815-02	8	150	182	90	105	-	10	
220-820-02	8	200	232	90	125	-	10	
220-835-02	8	350	382	90	190	-	10	
220-101-02	10	100	139	110	165	-	10	
220-102-02	10	200	239	110	223	-	10	
220-121-02	12	100	139	110	209	-	10	
220-122-02	12	200	239	110	307	-	10	
220-143-02	14	300	339	110	510	-	10	

* Blade made of 5 mm basic material (due to overlength)

** Blade made of 7 mm basic material (due to overlength)



SERIES 226 HEXAGON KEY WRENCHES WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	mm							
226-020-07	2	125	151	15	60	18	-	10
226-025-07	2.5	125	151	15	60	20	-	10
226-030-07	3	125	151	15	60	23	-	10
226-040-07	4	125	151	15	60	45	-	10
226-050-07	5	150	184	20	80	58	-	10
226-060-07	6	150	184	20	80	100	-	10
226-080-07	8	175	218	25	100	150	-	10
226-100-07	10	175	218	25	100	240	-	10

SERIES 226 HEXAGON KEY WRENCHES WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	mm							
226-020-87	2	125	151	15	60	18	+	10
226-025-87	2.5	125	151	15	60	20	+	10
226-030-87	3	125	151	15	60	23	+	10
226-040-87	4	125	151	15	60	45	+	10
226-050-87	5	150	184	20	80	58	+	10
226-060-87	6	150	184	20	80	100	+	10
226-080-87	8	175	218	25	100	150	+	10
226-100-87	10	175	218	25	100	240	+	10



SERIES 227 HEXAGON KEY WRENCHES WITH 2C T-HANDLE / SIDE TIP

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	CONTENT SERIES 226		
227-178-07	2x125 • 2.5x125 • 3x125 • 4x125 • 5x150 • 6x150 • 8x175	7 pcs	2-8 950



SERIES 221 HEXAGON KEY WRENCHES WITH T-HANDLE

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE NICKEL PLATED	CONTENT SERIES 220		
221-178-02	2x100 • 2.5x100 • 3x100 • 4x150 • 5x150 • 6x200 • 8x200	7 pcs	2-8 1000
221-194-02	2.5x100 • 3x200 • 4x200 • 5x200 • 6x200 • 8x200 • 10x200 • 12x200 • 14x300	9 pcs	2.5-14 1860



SERIES 224 HEXAGON SOCKET WRENCHES WITH 2C T-HANDLE

BLADE MADE OF CV-STEEL

CODE CHROMED	mm						
224-060-14	6	240	274	80	93	-	10
224-070-14	7	240	274	80	99	-	10
224-080-14	8	240	274	80	100	-	10
224-090-14	9	240	283	100	172	-	10
224-100-14	10	240	283	100	176	-	10
224-130-14	13	240	283	100	187	-	10
224-170-14	17	240	283	100	208	-	10



SERIES 224 HEXAGON SOCKET WRENCHES WITH 2C T-HANDLE

BLADE MADE OF CV-STEEL






CODE CHROMED	mm						
224-060-84	6	240	274	80	93	+	10
224-070-84	7	240	274	80	99	+	10
224-080-84	8	240	274	80	100	+	10
224-090-84	9	240	283	100	172	+	10
224-100-84	10	240	283	100	176	+	10
224-130-84	13	240	283	100	187	+	10
224-170-84	17	240	283	100	208	+	10










SERIES 400 HEXAGON KEY WRENCHES WITH BALLPOINT

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	mm					
400-015-08	400-015-02	1.5	46.5 × 15.5	1	-	50	
400-020-08	400-020-02	2	52 × 18	2	-	50	
400-025-08	400-025-02	2.5	58.5 × 20.5	4	-	50	
400-030-08	400-030-02	3	66 × 23	5	-	50	
400-040-08	400-040-02	4	74 × 29	10	-	50	
400-050-08	400-050-02	5	85 × 33	18	-	50	
400-060-08	400-060-02	6	96 × 38	30	-	50	
400-070-08	400-070-02	7	102 × 41	43	-	25	
400-080-08	400-080-02	8	108 × 44	59	-	25	
400-100-08	400-100-02	10	122 × 50	103	-	25	
400-120-08	400-120-02	12	137 × 57	160	-	25	




SERIES 400 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

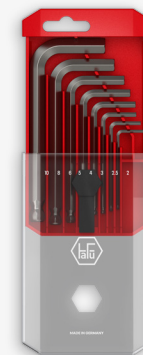
KEY WRENCH MADE OF CV-STEEL

CODE POWDER-COATED	COLOR	mm					
400-015-0278	RAL 3001	1.5	46.5 × 15.5	1	-	10	
400-020-0233	RAL 5013	2	52 × 18	2	-	10	
400-025-0281	RAL 5005	2.5	58.5 × 20.5	4	-	10	
400-030-0296	RAL 5018	3	66 × 23	5	-	10	
400-040-0284	RAL 6024	4	74 × 29	10	-	10	
400-050-0232	RAL 6017	5	85 × 33	18	-	10	
400-060-0230	RAL 1021	6	96 × 38	30	-	10	
400-080-0231	RAL 1007	8	108 × 44	59	-	10	
400-100-0236	RAL 2004	10	122 × 50	103	-	10	

SERIES 439 COLOR-CODED HEXAGON KEY WRENCHES



PLASTIC CLIP • CV-STEEL

CODE POWDER-COATED	CONTENT SERIES 200	mm			
439-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	250	-



SERIES 401 HEXAGON KEY WRENCHES WITH BALLPOINT

PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 400	mm		
401-190-08	401-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	240
401-102-08	401-102-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12	10 pcs	1.5-12	400


SERIES 401 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 400	mm		
401-390-08	401-390-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	240
401-302-08	401-302-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12	10 pcs	1.5-12	400


SERIES 407 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-DISPLAY BOX • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 400	mm		
407-180-08	407-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs	2-10	290

SERIES 408 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-DISPLAY BOX TRANSPARENT • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 400	mm		
408-180-08	408-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs	2-10	290



SERIES 450 HEXAGON KEY WRENCHES WITH BALLPOINT

LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	mm		g		
450-015-08	450-015-02	1.5	81.5 × 14.5	2	-	25
450-020-08	450-020-02	2	87 × 18	3	-	25
450-025-08	450-025-02	2.5	92.5 × 19.5	5	-	25
450-030-08	450-030-02	3	103 × 22	7	-	25
450-040-08	450-040-02	4	114 × 29	15	-	25
450-050-08	450-050-02	5	133 × 32	27	-	25
450-060-08	450-060-02	6	156 × 36	46	-	25
450-070-08	450-070-02	7	165 × 39	64	-	10
450-080-08	450-080-02	8	178 × 43	92	-	10
450-100-08	450-100-02	10	200 × 50	128	-	10
450-120-08	450-120-02	12	226 × 57	265	-	10

SERIES 450 HEXAGON KEY WRENCHES WITH BALLPOINT

LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	mm		g		
450-015-88	450-015-82	1.5	81.5 × 14.5	5	+	10
450-020-88	450-020-82	2	87 × 18	6	+	10
450-025-88	450-025-82	2.5	92.5 × 19.5	8	+	10
450-030-88	450-030-82	3	103 × 22	10	+	10
450-040-88	450-040-82	4	114 × 29	18	+	10
450-050-88	450-050-82	5	133 × 32	30	+	10
450-060-88	450-060-82	6	156 × 36	51	+	10
450-070-88	450-070-82	7	165 × 39	69	+	5
450-080-88	450-080-82	8	178 × 43	97	+	5
450-100-88	450-100-82	10	200 × 50	133	+	5
450-120-88	450-120-82	12	226 × 57	270	+	5



SERIES 451 HEXAGON KEY WRENCHES WITH BALLPOINT

PLASTIC CLIP • LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT	SERIES 450	mm	g	
451-165-08	451-165-02	1.5 • 2 • 2.5 • 3 • 4 • 5		6 pcs	1.5-5	80 -
451-176-08	451-176-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs	1.5-6	125 -
451-190-08	451-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs	1.5-10	325 -
451-102-08	451-102-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs	1.5-12	640 -

SERIES 451 HEXAGON KEY WRENCHES WITH BALLPOINT

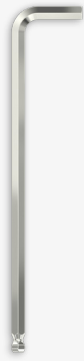
PLASTIC CLIP • LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT	SERIES 450	mm	g	
451-165-88	451-165-82	1.5 • 2 • 2.5 • 3 • 4 • 5		6 pcs	1.5-5	90 +
451-176-88	451-176-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs	1.5-6	135 +
451-190-88	451-190-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs	1.5-10	335 +
451-102-88	451-102-82	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs	1.5-12	650 +

SERIES 451 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-PLASTIC CLIP • LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT	SERIES 450	mm	g	
451-365-08	451-365-02	1.5 • 2 • 2.5 • 3 • 4 • 5		6 pcs	1.5-5	80 +
451-376-08	451-376-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6		7 pcs	1.5-6	125 +
451-390-08	451-390-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs	1.5-10	325 +
451-302-08	451-302-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12		10 pcs	1.5-12	640 +



SERIES 410 HEXAGON KEY WRENCHES WITH BALLPOINT

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	mm		g		
410-015-08	410-015-02	410-015-14	1.5	91.5 × 15.5	2	-	25
410-020-08	410-020-02	410-020-14	2	102 × 18	4	-	25
410-025-08	410-025-02	410-025-14	2.5	114.5 × 20.5	6	-	25
410-030-08	410-030-02	410-030-14	3	129 × 23	9	-	25
410-040-08	410-040-02	410-040-14	4	144 × 29	19	-	25
410-050-08	410-050-02	410-050-14	5	165 × 33	33	-	25
410-060-08	410-060-02	410-060-14	6	186 × 38	54	-	25
410-070-08	410-070-02	410-070-14	7	197 × 41	80	-	10
410-080-08	410-080-02	410-080-14	8	208 × 44	105	-	10
410-100-08	410-100-02	410-100-14	10	234 × 50	185	-	10
410-120-08	410-120-02	410-120-14	12	262 × 57	295	-	5

SERIES 410 HEXAGON KEY WRENCHES WITH BALLPOINT

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	mm		g		
410-015-88	410-015-82	410-015-84	1.5	91.5 × 15.5	5	+	10
410-020-88	410-020-82	410-020-84	2	102 × 18	7	+	10
410-025-88	410-025-82	410-025-84	2.5	114.5 × 20.5	9	+	10
410-030-88	410-030-82	410-030-84	3	129 × 23	12	+	10
410-040-88	410-040-82	410-040-84	4	144 × 29	22	+	10
410-050-88	410-050-82	410-050-84	5	165 × 33	36	+	10
410-060-88	410-060-82	410-060-84	6	186 × 38	59	+	10
410-070-88	410-070-82	410-070-84	7	197 × 41	85	+	5
410-080-88	410-080-82	410-080-84	8	208 × 44	110	+	5
410-100-88	410-100-82	410-100-84	10	234 × 50	190	+	5
410-120-88	410-120-82	410-120-84	12	262 × 57	300	+	5



SERIES 410 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE POWDER-COATED	COLOR	mm		g		
410-015-0278	RAL 3001	1.5	91.5 × 15.5	2	-	10
410-020-0233	RAL 5013	2	102 × 18	4	-	10
410-025-0281	RAL 5005	2.5	114.5 × 20.5	6	-	10
410-030-0296	RAL 5018	3	129 × 23	9	-	10
410-040-0284	RAL 6024	4	144 × 29	19	-	10
410-050-0232	RAL 6017	5	165 × 33	33	-	10
410-060-0230	RAL 1021	6	186 × 38	54	-	10
410-080-0231	RAL 1007	8	208 × 44	105	-	5
410-100-0236	RAL 2004	10	234 × 50	185	-	5

SERIES 410 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE POWDER-COATED	COLOR	mm		g		
410-015-8278	RAL 3001	1.5	91.5 × 15.5	2	+	10
410-020-8233	RAL 5013	2	102 × 18	4	+	10
410-025-8281	RAL 5005	2.5	114.5 × 20.5	6	+	10
410-030-8296	RAL 5018	3	129 × 23	9	+	10
410-040-8284	RAL 6024	4	144 × 29	19	+	10
410-050-8232	RAL 6017	5	165 × 33	33	+	10
410-060-8230	RAL 1021	6	186 × 38	54	+	10
410-080-8231	RAL 1007	8	208 × 44	105	+	5
410-100-8236	RAL 2004	10	234 × 50	185	+	5





SERIES 411 HEXAGON KEY WRENCHES WITH BALLPOINT

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
411-190-08	411-190-02	411-190-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	430	-
411-102-08	411-102-02	411-102-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12	10 pcs	1.5-12	700	-

SERIES 411 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
411-390-08	411-390-02	411-390-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	430	+
411-302-08	411-302-02	411-302-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10 • 12	10 pcs	1.5-12	700	+



SERIES 412 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE POWDER-COATED	CONTENT	SERIES 410	mm	g	
412-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-



SERIES 417 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-DISPLAY BOX • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
417-180-08	417-180-02	417-180-14	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs	2-10	510	+



SERIES 418 HEXAGON KEY WRENCHES WITH BALLPOINT

SB-DISPLAY BOX TRANSPARENT • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
418-180-08	418-180-02	418-180-14	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs	2-10	510	+



SERIES 414 HEXAGON KEY WRENCHES WITH BALLPOINT

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
414-190-08	414-190-02	414-190-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	380	-



SERIES 414 HEXAGON KEY WRENCHES WITH BALLPOINT

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CODE CHROMED	CONTENT	SERIES 410	mm	g	
414-190-88	414-190-82	414-190-84	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	390	+



SERIES 414 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES 410	mm	g	
414-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	380	-



SERIES 423 HEXAGON KEY WRENCHES WITH BALLPOINT

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CODE	CODE	CONTENT	SERIES 410	mm	g	
STEELGREY	NICKEL PLATED	CHROMED					
423-190-08	423-190-02	423-190-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	380	-



SERIES 423 HEXAGON KEY WRENCHES WITH BALLPOINT

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CODE	CODE	CONTENT	SERIES 410	mm	g	
STEELGREY	NICKEL PLATED	CHROMED					
423-190-88	423-190-82	423-190-84	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		9 pcs 1.5-10	390	+





SERIES 440 HEXAGON KEY WRENCHES WITH BALLPOINT / 100°

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE NICKEL PLATED	CODE CHROMED	mm		g		
440-015-02	440-015-14	1.5	90 × 7.5	2	-	10
440-020-02	440-020-14	2	100 × 8	3	-	10
440-025-02	440-025-14	2.5	112 × 10.5	4	-	10
440-030-02	440-030-14	3	127 × 13	8	-	10
440-040-02	440-040-14	4	144 × 15	16	-	10
440-050-02	440-050-14	5	165 × 18	28	-	10
440-060-02	440-060-14	6	185 × 22	46	-	10
440-080-02	440-080-14	8	208 × 27	95	-	5
440-100-02	440-100-14	10	232 × 32	160	-	5

SERIES 442 HEXAGON KEY WRENCHES WITH BALLPOINT / 100°

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE NICKEL PLATED	CODE CHROMED	CONTENT SERIES 440	mm	g		
442-190-02	442-190-14	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs 1.5-10	380	-	-



SERIES 445 HEXAGON KEY WRENCHES WITH DOUBLE BALLPOINT / 100°

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE NICKEL PLATED	CODE CHROMED	mm		g		
445-020-02	445-020-14	2	100 × 8	3	-	10
445-025-02	445-025-14	2.5	112 × 10.5	4	-	10
445-030-02	445-030-14	3	127 × 13	8	-	10
445-040-02	445-040-14	4	144 × 15	16	-	10
445-050-02	445-050-14	5	165 × 18	28	-	10
445-060-02	445-060-14	6	185 × 22	46	-	10
445-080-02	445-080-14	8	208 × 27	95	-	5
445-100-02	445-100-14	10	232 × 32	160	-	5

SERIES 444 HEXAGON KEY WRENCHES WITH DOUBLE BALLPOINT / 100°

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE NICKEL PLATED	CODE CHROMED	CONTENT SERIES 445	mm	g		
444-180-02	444-180-14	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs 2-10	378	-	-





SERIES 480 HEXAGON KEY WRENCHES BALLPOINT / GECKOTIP® HOLDING FUNCTION

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE	mm	Length	Weight	Icon 1	Icon 2
480-030-02	3	129 × 23	9	-	10
480-040-02	4	144 × 29	19	-	10
480-050-02	5	165 × 33	33	-	10
480-060-02	6	186 × 38	54	-	10
480-080-02	8	208 × 44	105	-	5
480-100-02	10	234 × 50	185	-	5

SERIES 483 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP®

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CONTENT	Series 480	mm	Weight	Icon
483-190-02	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-

With GeckoTip® ≥ 3 mm



SERIES 482 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP® / COLOR-CODED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	Series 480	mm	Weight	Icon
482-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-

With GeckoTip® ≥ 3 mm



SERIES 488 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP®

SB-DISPLAY BOX TRANSPARENT • EXTRA LONG, CV-STEEL




CODE	CONTENT	Series 480	mm	Weight	Icon
488-180-02	2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	8 pcs	2-10	510	+

With GeckoTip® ≥ 3 mm






SERIES 472
HEXAGON KEY WRENCHES WITH BALLPOINT / FOLDEX® DUO FOLDING SET

BLADE MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT			
472-170-08	472-170-02	2.5 • 3 • 4 • 5 • 6 • 8 • 10	7 pcs 2.5-10	280	-

SERIES 472
HEXAGON KEY WRENCHES WITH BALLPOINT / FOLDEX® DUO FOLDING SET








BLADE MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT			
472-170-88	472-170-82	2.5 • 3 • 4 • 5 • 6 • 8 • 10	7 pcs 2.5-10	280	+



SERIES 415
HEXAGON KEY WRENCHES WITH BALLPOINT / 2C SCREWDRIVER

BLADE MADE OF CV-STEEL

CODE CHROMED							
415-020-14	2	100	190	90	35	-	10
415-025-14	2.5	100	190	90	37	-	10
415-030-14	3	100	190	90	40	-	10
415-040-14	4	100	200	100	58	-	10
415-050-14	5	100	200	100	67	-	10
415-060-14	6	125	235	110	100	-	10
415-080-14	8	150	270	120	143	-	10



SERIES 420 HEXAGON KEY WRENCHES WITH BALLPOINT / T-HANDLE

BLADE MADE OF CV-STEEL

CODE NICKEL PLATED	mm							
420-310-02	3	100	125	70	24	-	10	
420-410-02	4	100	125	70	40	-	10	
420-415-02	4	150	175	70	47	-	10	
420-510-02	5	100	132	90	51	-	10	
420-515-02	5	150	182	90	60	-	10	
420-615-02	6	150	182	90	77	-	10	
420-620-02	6	200	232	90	84	-	10	
420-815-02	8	150	182	90	105	-	10	
420-820-02	8	200	232	90	125	-	10	
420-102-02	10	200	239	110	223	-	10	

SERIES 421 HEXAGON KEY WRENCHES WITH BALLPOINT / T-HANDLE

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE NICKEL PLATED	CONTENT SERIES 420	mm	g
421-178-02	2×100* • 2.5×100* • 3×100 • 4×150 • 5×150 • 6×200 • 8×200	7 pcs 2-8	880

*Without ballpoint



SERIES 426 HEXAGON KEY WRENCHES WITH BALLPOINT / 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	mm							
426-030-07	3	125	151	15	60	23	-	10
426-040-07	4	125	151	15	60	46	-	10
426-050-07	5	150	184	20	80	58	-	10
426-060-07	6	150	184	20	80	100	-	10
426-080-07	8	175	218	25	100	149	-	10
426-100-07	10	175	218	25	100	235	-	10

SERIES 426 HEXAGON KEY WRENCHES WITH BALLPOINT / 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	mm							
426-030-87	3	125	151	15	60	23	+	10
426-040-87	4	125	151	15	60	46	+	10
426-050-87	5	150	184	20	80	58	+	10
426-060-87	6	150	184	20	80	100	+	10
426-080-87	8	175	218	25	100	149	+	10
426-100-87	10	175	218	25	100	235	+	10

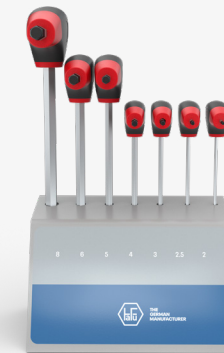


SERIES 427 HEXAGON KEY WRENCHES WITH BALLPOINT / 2C T-HANDLE / SIDE TIP

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	CONTENT SERIES 426	mm	g
427-178-07	2×125* • 2.5×125* • 3×125 • 4×125 • 5×150 • 6×150 • 8×175	7 pcs 2-8	880

*Without ballpoint





SERIES 200 IMPERIAL HEXAGON KEY WRENCHES

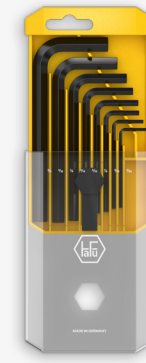
KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED					
200-028-51		0.28=0.7	33 × 7	0.4	-	100
200-035-51		0.35=0.9	33 × 11	0.5	-	100
200-364-51		3/64=1.19	41 × 13	0.6	-	100
200-005-51		0.05=1.27	41 × 13	0.7	-	100
200-116-51	200-116-52	1/16=1.59	47 × 16	1	-	100
200-564-51	200-564-52	5/64=1.98	52 × 18	2	-	100
200-332-51	200-332-52	3/32=2.38	58 × 20	4	-	100
200-764-51	200-764-52	7/64=2.77	66 × 23	5	-	100
200-180-51	200-180-52	1/8=3.18	66 × 23	5	-	100
200-964-51	200-964-52	9/64=3.57	72 × 26	8	-	100
200-532-51	200-532-52	5/32=3.97	74 × 29	10	-	100
200-316-51	200-316-52	3/16=4.76	85 × 33	18	-	100
200-732-51	200-732-52	7/32=5.56	91 × 36	24	-	100
200-140-51	200-140-52	1/4=6.35	96 × 38	30	-	100
200-932-51	200-932-52	9/32=7.14	102 × 42	43	-	50
200-516-51	200-516-52	5/16=7.94	108 × 44	59	-	50
200-113-51	200-113-52	11/32=8.73	114 × 47	79	-	50
200-380-51	200-380-52	3/8=9.53	122 × 50	103	-	25
200-716-51	200-716-52	7/16=11.11	130 × 53	131	-	25
200-120-51	200-120-52	1/2=12.70	145 × 63	215	-	20
200-916-51	200-916-52	9/16=14.29	154 × 69	260	-	20
200-580-51	200-580-52	5/8=15.88	176 × 76	400	-	10
200-340-51	200-340-52	3/4=19.05	199 × 89	620	-	10
200-780-51	200-780-52	7/8=22.20	222 × 102	950	-	5
200-100-51	200-100-52	1=25.40	275 × 125	1740	-	bulk

SERIES 207 IMPERIAL HEXAGON KEY WRENCHES

SB-DISPLAY BOX • CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT SERIES 200				
207-288-51	207-288-52	5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	8 pcs	5/64-3/8	285	+



SERIES 208 IMPERIAL HEXAGON KEY WRENCHES

SB-DISPLAY BOX TRANSPARENT • CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT SERIES 200				
208-288-51	208-288-52	5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	8 pcs	5/64-3/8	285	+

SERIES 231 IMPERIAL HEXAGON KEY WRENCHES

SB-PLASTIC WALLET • CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT SERIES 200				
231-288-51	231-288-52	5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	8 pcs	5/64-3/8	250	+

SERIES 238 IMPERIAL HEXAGON KEY WRENCHES

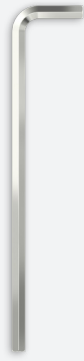
PLASTIC CLIP • CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT SERIES 200				
238-274-51	238-274-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4	7 pcs	1/16-1/4	100	-
238-298-51	238-298-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	9 pcs	1/16-3/8	266	-
238-202-51	238-202-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8 • 1/2	10 pcs	1/16-1/2	440	-

SERIES 238 IMPERIAL HEXAGON KEY WRENCHES






SB-PLASTIC CLIP • CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT SERIES 200				
238-474-51	238-474-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4	7 pcs	1/16-1/4	100	+
238-498-51	238-498-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	9 pcs	1/16-3/8	266	+
238-402-51	238-402-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8 • 1/2	10 pcs	1/16-1/2	440	+



SERIES 210 IMPERIAL HEXAGON KEY WRENCHES


EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE BLACK	CODE NICKEL PLATED					
210-116-51	210-116-52	1/16=1.59	92 × 16	2	-	50
210-564-51	210-564-52	5/64=1.98	102 × 18	4	-	50
210-332-51	210-332-52	3/32=2.38	114 × 20	6	-	50
210-180-51	210-180-52	1/8=3.18	129 × 23	9	-	50
210-964-51	210-964-52	9/64=3.57	140 × 26	13	-	50
210-532-51	210-532-52	5/32=3.97	144 × 29	19	-	50
210-316-51	210-316-52	3/16=4.76	165 × 33	32	-	50
210-732-51	210-732-52	7/32=5.56	176 × 36	42	-	50
210-140-51	210-140-52	1/4=6.35	186 × 38	56	-	50
210-932-51	210-932-52	9/32=7.14	207 × 42	80	-	25
210-516-51	210-516-52	5/16=7.94	208 × 44	105	-	25
210-113-51	210-113-52	11/32=8.73	233 × 47	146	-	25
210-380-51	210-380-52	3/8=9.53	234 × 50	183	-	25
210-716-51	210-716-52	7/16=11.11	261 × 53	247	-	10
210-120-51	210-120-52	1/2=12.70	272 × 61	360	-	10
210-916-51	210-916-52	9/16=14.29	294 × 69	470	-	10
210-580-51	210-580-52	5/8=15.88	336 × 76	665	-	5
210-340-51	210-340-52	3/4=19.05	379 × 89	1100	-	5
210-780-51	210-780-52	7/8=22.20	422 × 102	1650	-	5
210-100-51	210-100-52	1=25.40	525 × 125	2980	-	bulk






SERIES 211 IMPERIAL HEXAGON KEY WRENCHES

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210			
211-298-51	211-298-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	9 pcs	1/16-3/8	430	-




SERIES 211 IMPERIAL HEXAGON KEY WRENCHES

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210			
211-498-51	211-498-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8	9 pcs	1/16-3/8	430	+

SERIES 214 IMPERIAL HEXAGON KEY WRENCHES

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

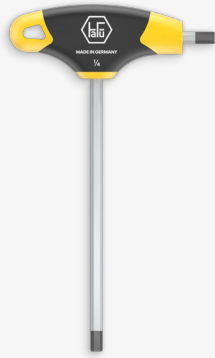
CODE BLACK	CODE NICKEL PLATED	CONTENT	SERIES 210			
214-206-51	214-206-52	0.05 • 1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	10 pcs	0.05-5/16	305	-



SERIES 220 IMPERIAL HEXAGON KEY WRENCHES WITH T-HANDLE

BLADE MADE OF CV-STEEL

CODE	in	mm	mm	mm	g	mm	mm
220-564-52	5/64	100	125	70	21	-	10
220-332-52	3/32	100	125	70	24	-	10
220-180-52	1/8	150	175	70	30	-	10
220-532-52	5/32	150	175	70	47	-	10
220-316-52	3/16	150	182	90	60	-	10
220-140-52	1/4	150	182	90	79	-	10
220-516-52	5/16	150	182	90	105	-	10
220-380-52	3/8	200	239	110	223	-	10



SERIES 226 IMPERIAL HEXAGON KEY WRENCHES WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE	in	mm	mm	mm	mm	g	mm
226-332-57	3/32	125	151	15	60	20	10
226-764-57	7/64	125	151	15	60	22	10
226-180-57	1/8	125	151	15	60	25	10
226-964-57	9/64	125	151	15	60	28	10
226-532-57	5/32	150	184	20	80	53	10
226-316-57	3/16	150	184	20	80	63	10
226-732-57	7/32	150	184	20	80	75	10
226-140-57	1/4	175	218	25	100	125	10
226-516-57	5/16	175	218	25	100	164	10
226-380-57	3/8	175	218	25	100	208	10

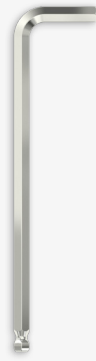


SERIES 226 IMPERIAL HEXAGON KEY WRENCHES WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE	in	mm	mm	mm	mm	g	mm
226-332-87	3/32	125	151	15	60	20	10
226-764-87	7/64	125	151	15	60	22	10
226-180-87	1/8	125	151	15	60	25	10
226-964-87	9/64	125	151	15	60	28	10
226-532-87	5/32	150	184	20	80	53	10
226-316-87	3/16	150	184	20	80	63	10
226-732-87	7/32	150	184	20	80	75	10
226-140-87	1/4	175	218	25	100	125	10
226-516-87	5/16	175	218	25	100	164	10
226-380-87	3/8	175	218	25	100	208	10





SERIES 450 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED					
450-005-58	450-005-52	0.05=1.27	75 × 11	2	-	25
450-116-58	450-116-52	1/16=1.59	81.5 × 14.5	2	-	25
450-564-58	450-564-52	5/64=1.98	87 × 18	4	-	25
450-332-58	450-332-52	3/32=2.38	92.5 × 19.5	5	-	25
450-764-58	450-764-52	7/64=2.77	94 × 23	7	-	25
450-180-58	450-180-52	1/8=3.18	103 × 22	7	-	25
450-964-58	450-964-52	9/64=3.57	107 × 25	11	-	25
450-532-58	450-532-52	5/32=3.97	114 × 29	15	-	25
450-316-58	450-316-52	3/16=4.76	133 × 32	24	-	25
450-732-58	450-732-52	7/32=5.56	142.5 × 32.5	35	-	25
450-140-58	450-140-52	1/4=6.35	156 × 36	43	-	25
450-516-58	450-516-52	5/16=7.94	178 × 43	92	-	10
450-380-58	450-380-52	3/8=9.53	200 × 50	128	-	10
450-120-58	450-120-52	1/2=12.70	226 × 57	280	-	10



SERIES 451 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

PLASTIC CLIP • LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT	SERIES 450			
451-274-58	451-274-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4	7 pcs	1/16-1/4	115	-
451-226-58	451-226-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	12 pcs	0.05-5/16	195	-
451-238-58	451-238-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13 pcs	0.05-3/8	370	-
451-202-58	451-202-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8 • 1/2	10 pcs	1/16-1/2	640	-

SERIES 451 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

SB-PLASTIC CLIP • LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT	SERIES 450			
451-474-58	451-474-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4	7 pcs	1/16-1/4	115	+
451-426-58	451-426-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	12 pcs	0.05-5/16	195	+
451-438-58	451-438-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13 pcs	0.05-3/8	370	+
451-402-58	451-402-52	1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 1/4 • 5/16 • 3/8 • 1/2	10 pcs	1/16-1/2	640	+



SERIES 410 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	in	mm	g	pcs	box
410-005-58	410-005-52	0.05=1.27	81 × 13	1	-	25
410-116-58	410-116-52	1/16=1.59	92 × 16	2	-	25
410-564-58	410-564-52	5/64=1.98	102 × 18	4	-	25
410-332-58	410-332-52	3/32=2.38	114 × 20	6	-	25
410-764-58	410-764-52	7/64=2.77	129 × 23	9	-	25
410-180-58	410-180-52	1/8=3.18	129 × 23	9	-	25
410-964-58	410-964-52	9/64=3.57	140 × 26	14	-	25
410-532-58	410-532-52	5/32=3.97	144 × 29	19	-	25
410-316-58	410-316-52	3/16=4.76	165 × 33	32	-	25
410-732-58	410-732-52	7/32=5.56	176 × 36	45	-	25
410-140-58	410-140-52	1/4=6.35	186 × 38	56	-	25
410-516-58	410-516-52	5/16=7.94	208 × 44	105	-	10
410-380-58	410-380-52	3/8=9.53	234 × 50	183	-	10
410-120-58	410-120-52	1/2=12.70	293 × 63	360	-	10



SERIES 410 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE POWDER-COATED	COLOR	in	mm	g	pcs	box
410-005-5278	RAL 3001	0.05=1.27	81 × 13	1	-	10
410-116-5236	RAL 2004	1/16=1.59	92 × 16	2	-	10
410-564-5231	RAL 1007	5/64=1.98	102 × 18	4	-	10
410-332-5230	RAL 1021	3/32=2.38	114 × 20	6	-	10
410-764-5232	RAL 6017	7/64=2.77	129 × 23	9	-	10
410-180-5284	RAL 6024	1/8=3.18	129 × 23	9	-	10
410-964-5296	RAL 5018	9/64=3.57	140 × 26	14	-	10
410-532-5281	RAL 5005	5/32=3.97	144 × 29	19	-	10
410-316-5233	RAL 5013	3/16=4.76	165 × 33	32	-	10
410-732-5278	RAL 3001	7/32=5.56	176 × 36	45	-	10
410-140-5236	RAL 2004	1/4=6.35	186 × 38	56	-	10
410-516-5231	RAL 1007	5/16=7.94	208 × 44	105	-	5
410-380-5230	RAL 1021	3/8=9.53	234 × 50	183	-	5



SERIES 411 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 410	in	g	box
411-226-58	411-226-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	12pcs	0.05-5/16	195 -
411-238-58	411-238-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13pcs	0.05-3/8	370 -

SERIES 411 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 410	in	g	box
411-426-58	411-426-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	12pcs	0.05-5/16	195 +
411-438-58	411-438-52	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13pcs	0.05-3/8	370 +

SERIES 411 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

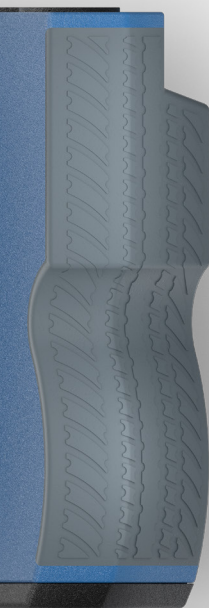
SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE POWDER-COATED	CONTENT SERIES 410	in	g	box
411-238-79	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13pcs	0.05-3/8	370 -
411-438-79	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	13pcs	0.05-3/8	370 +

SERIES 414 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 410	in	g	box
414-206-58	414-206-52	0.05 • 1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16	10pcs	0.05-5/16	230 -



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OUR QUALITY STANDARD IN EVERY TOOL

The demands made on high-quality brand names with regard to product quality, differentiation, price and deliverability are constantly increasing.

With HaFu_iD we are meeting exactly these demands and giving a name to our long experience of producing private label tools. You decide what should be standard for your brand and what should be tailor-made.

We will deal with the complete development and production process:

- Consulting on and compiling the range
- Developing individual product concepts, from your own stamp on the keys to a tailor-made holder concept
- Developing individual packaging concepts and point of sale solutions
- Supporting your development of product images in order to present your brand as favourably as possible
- Storing your finished goods so that they are constantly available

HaFu_iD – our 360° process for your private label tool.



SERIES 500 TORX®

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED						
500-050-08	500-050-02	TX5	2.5	44.5 × 18.5	2	-	10
500-060-08	500-060-02	TX6	2.5	44.5 × 18.5	2	-	10
500-070-08	500-070-02	TX7	2.5	50.5 × 18.5	2	-	10
500-080-08	500-080-02	TX8	3	51 × 19	3	-	10
500-090-08	500-090-02	TX9	3	51 × 19	3	-	10
500-100-08	500-100-02	TX10	3	54 × 20	4	-	10
500-150-08	500-150-02	TX15	3.5	57.5 × 21.5	5	-	10
500-200-08	500-200-02	TX20	4	61 × 23	7	-	10
500-250-08	500-250-02	TX25	4.5	64.5 × 24.5	10	-	10
500-270-08	500-270-02	TX27	5.5	69.5 × 26.5	15	-	10
500-300-08	500-300-02	TX30	6	76 × 30	20	-	10
500-400-08	500-400-02	TX40	7	83 × 33	30	-	10
500-450-08	500-450-02	TX45	8	91 × 37	43	-	10
500-500-08	500-500-02	TX50	9	104 × 41	65	-	10
500-550-08	500-550-02	TX55	12	120 × 47	120	-	10
500-600-08	500-600-02	TX60	14	134 × 52	190	-	10

SERIES 507 TORX®

SB-DISPLAY BOX • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 500				
507-180-08	507-180-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	210	+

SERIES 508 TORX®

SB-DISPLAY BOX TRANSPARENT • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 500				
508-180-08	508-180-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	210	+



SERIES 510 TORX®

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED						
510-090-08	510-090-02	TX9	3	59 × 19	7	-	10
510-100-08	510-100-02	TX10	3	65 × 20	9	-	10
510-150-08	510-150-02	TX15	3.5	75.5 × 20.5	10	-	10
510-200-08	510-200-02	TX20	4	87 × 22	14	-	10
510-250-08	510-250-02	TX25	4.5	94.5 × 22.5	19	-	10
510-270-08	510-270-02	TX27	5.5	105.5 × 25.5	31	-	10
510-300-08	510-300-02	TX30	6	111 × 30	36	-	10
510-400-08	510-400-02	TX40	7	119 × 33	52	-	10

SERIES 511 TORX®

PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 510				
511-180-08	511-180-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	160	-



SERIES 511 TORX®

SB-PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 510				
511-380-08	511-380-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	160	+





SERIES 520 TORX® WITH T-HANDLE

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP								
520-081-07	TX8	100	125	70	35	-	-	10
520-091-07	TX9	100	125	70	35	-	-	10
520-101-07	TX10	100	125	70	35	-	-	10
520-151-07	TX15	100	125	70	35	-	-	10
520-152-07	TX15	200	225	70	55	-	-	10
520-201-07	TX20	100	132	90	50	-	-	10
520-202-07	TX20	200	232	90	85	-	-	10
520-251-07	TX25	100	132	90	55	-	-	10
520-252-07	TX25	200	232	90	85	-	-	10
520-271-07	TX27	100	132	90	65	-	-	10
520-272-07	TX27	200	232	90	85	-	-	10
520-301-07	TX30	100	132	90	65	-	-	10
520-302-07	TX30	200	232	90	90	-	-	10
520-401-07	TX40	100	132	90	80	-	-	10
520-402-07	TX40	200	232	90	110	-	-	10
520-451-07	TX45	150	189	110	140	-	-	10
520-452-07	TX45	250	289	110	180	-	-	10
520-501-07	TX50	150	189	110	160	-	-	10
520-502-07	TX50	250	289	110	210	-	-	10
520-551-07	TX55	150	189	110	230	-	-	10
520-601-07	TX60	150	189	110	285	-	-	10

SERIES 521 TORX® WITH T-HANDLE

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	CONTENT SERIES 520		
521-175-07	TX10×100 • TX15×100 • TX20×100 • TX25×100 • TX30×100 • TX40×200 • TX50×250	7 pcs	TX 10-50 1100



SERIES 526 TORX® WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP									
526-090-07	TX9	125	151	15	60	22	-	-	10
526-100-07	TX10	125	151	15	60	22	-	-	10
526-150-07	TX15	125	151	15	60	26	-	-	10
526-200-07	TX20	125	151	15	60	44	-	-	10
526-250-07	TX25	150	184	20	80	49	-	-	10
526-270-07	TX27	150	184	20	80	62	-	-	10
526-300-07	TX30	150	184	20	80	82	-	-	10
526-400-07	TX40	175	218	25	100	100	-	-	10

SERIES 526 TORX® WITH 2C T-HANDLE / SIDE TIP

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP									
526-090-87	TX9	125	151	15	60	22	+	-	10
526-100-87	TX10	125	151	15	60	22	+	-	10
526-150-87	TX15	125	151	15	60	26	+	-	10
526-200-87	TX20	125	151	15	60	44	+	-	10
526-250-87	TX25	150	184	20	80	49	+	-	10
526-270-87	TX27	150	184	20	80	62	+	-	10
526-300-87	TX30	150	184	20	80	82	+	-	10
526-400-87	TX40	175	218	25	100	100	+	-	10



SERIES 527 TORX® WITH 2C T-HANDLE / SIDE TIP

WORKSHOP UNIT • BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP	CONTENT SERIES 526		
527-180-07	TX9×125 • TX10×125 • TX15×125 • TX20×125 • TX25×150 • TX27×150 • TX30×150 • TX40×175	8 pcs	TX 9-40 950





SERIES 515 TORX® 2C SCREWDRIVER

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP						
515-060-07	TX6	60	150	90	35	10
515-070-07	TX7	60	150	90	35	10
515-080-07	TX8	60	150	90	37	10
515-090-07	TX9	60	150	90	37	10
515-100-07	TX10	80	170	90	39	10
515-150-07	TX15	80	180	100	41	10
515-200-07	TX20	100	200	100	56	10
515-250-07	TX25	100	200	100	60	10
515-270-07	TX27	115	225	100	88	10
515-300-07	TX30	115	225	110	94	10
515-400-07	TX40	130	240	110	109	10



SERIES 530 TORX® 100°

KEY WRENCH MADE OF CV-STEEL

CODE CHROMED						
530-090-14	TX9	3	69 × 10	4	-	10
530-100-14	TX10	3	77 × 11	4	-	10
530-150-14	TX15	3.5	84 × 12	6	-	10
530-200-14	TX20	4	94 × 15	10	-	10
530-250-14	TX25	4.5	104 × 17	13	-	10
530-270-14	TX27	5.5	112 × 20	21	-	10
530-300-14	TX30	6	122 × 22	28	-	10
530-400-14	TX40	7	132 × 24	40	-	10



SERIES 532 TORX® 100°

PLASTIC CLIP • CV-STEEL

CODE CHROMED	CONTENT			
532-180-14	SERIES 530 TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	135





SERIES 550 TORX®

EXTRA LONG • KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED						
550-050-08	550-050-02	TX5	2.5	72 × 13	4	-	10
550-060-08	550-060-02	TX6	2.5	80 × 15	4	-	10
550-070-08	550-070-02	TX7	2.5	88 × 18	4	-	10
550-080-08	550-080-02	TX8	3	101 × 20	6	-	10
550-090-08	550-090-02	TX9	3	111 × 21	6	-	10
550-100-08	550-100-02	TX10	3	121 × 23	6	-	10
550-150-08	550-150-02	TX15	3.5	136 × 27	9	-	10
550-200-08	550-200-02	TX20	4	148 × 29	12	-	10
550-250-08	550-250-02	TX25	4.5	163 × 33	17	-	10
550-270-08	550-270-02	TX27	5.5	170 × 36	24	-	10
550-300-08	550-300-02	TX30	6	178 × 38	40	-	10
550-400-08	550-400-02	TX40	7	188 × 43	59	-	10
550-450-08	550-450-02	TX45	8	195 × 46	93	-	10
550-500-08	550-500-02	TX50	9	200 × 50	130	-	10

SERIES 551 TORX®

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 550				
551-190-08	551-190-02	TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40 • TX45 • TX50	9 pcs	TX 10-50	420	-
551-130-08	551-130-02	TX5 • TX6 • TX7 • TX8 • TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40 • TX50	13 pcs	TX 5-50	360	-

SERIES 551 TORX®

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE STEELGREY	CODE NICKEL PLATED	CONTENT SERIES 550				
551-390-08	551-390-02	TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40 • TX45 • TX50	9 pcs	TX 10-50	420	+
551-330-08	551-330-02	TX5 • TX6 • TX7 • TX8 • TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40 • TX50	13 pcs	TX 5-50	360	+



SERIES 560 TORX® SCREWDRIVER WITH SMALL HANDLE

BLADE MADE OF CV-STEEL

CODE STEELGREY						
560-050-08	TX5	2.5	35	40	13	10
560-060-08	TX6	2.5	35	40	13	10
560-070-08	TX7	2.5	35	40	13	10
560-080-08	TX8	2.5	40	40	13	10
560-090-08	TX9	3	40	40	15	10
560-100-08	TX10	3	40	40	15	10
560-150-08	TX15	3.5	45	40	15	10
560-200-08	TX20	4	45	40	15	10

SERIES 561 TORX® SCREWDRIVER WITH FLAG

BLADE MADE OF CV-STEEL

CODE STEELGREY						
561-050-08	TX5	2.5	35	23	13	10
561-060-08	TX6	2.5	35	23	13	10
561-070-08	TX7	2.5	35	23	13	10
561-080-08	TX8	2.5	40	23	13	10
561-090-08	TX9	3	40	23	15	10
561-100-08	TX10	3	40	23	15	10
561-150-08	TX15	3.5	45	23	15	10
561-200-08	TX20	4	45	23	15	10





SERIES 572
TORX® FOLDEX® DUO FOLDING SET
 BLADE MADE OF CV-STEEL

CODE	CONTENT				
572-180-08	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	210	-

SERIES 572
TORX® FOLDEX® DUO FOLDING SET
 BLADE MADE OF CV-STEEL

CODE	CONTENT				
572-180-88	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	220	+





SERIES 576 TORX PLUS®

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY						
576-090-08	IP9	3	59 × 19	7	-	10
576-100-08	IP10	3	65 × 20	9	-	10
576-150-08	IP15	3.5	75.5 × 20.5	10	-	10
576-200-08	IP20	4	87 × 22	14	-	10
576-250-08	IP25	4.5	94.5 × 22.5	19	-	10
576-270-08	IP27	5.5	105.5 × 25.5	31	-	10
576-300-08	IP30	6	111 × 30	36	-	10
576-400-08	IP40	7	119 × 33	52	-	10



SERIES 577 TORX PLUS®

SB-DISPLAY BOX • CV-STEEL

CODE STEELGREY	CONTENT	SERIES 576				
577-180-08	IP9 • IP10 • IP15 • IP20 • IP25 • IP27 • IP30 • IP40	8 pcs	IP9-40	210	+	



SERIES 578 TORX PLUS® WITH T-HANDLE

BLADE MADE OF CV-STEEL

CODE CHROMED BLACK TIP							
578-091-07	IP9	100	125	70	35	-	10
578-101-07	IP10	100	125	70	35	-	10
578-151-07	IP15	100	125	70	35	-	10
578-201-07	IP20	100	132	90	50	-	10
578-251-07	IP25	150	182	90	55	-	10
578-271-07	IP27	150	182	90	65	-	10
578-301-07	IP30	150	182	90	65	-	10
578-401-07	IP40	150	182	90	80	-	10



SERIES 562 TORX PLUS® SCREWDRIVER WITH SMALL HANDLE

BLADE MADE OF CV-STEEL

CODE STEELGREY						
562-050-08	IP5	2.5	35	40	13	10
562-060-08	IP6	2.5	35	40	13	10
562-070-08	IP7	2.5	35	40	13	10
562-080-08	IP8	2.5	40	40	13	10
562-090-08	IP9	3	40	40	15	10
562-100-08	IP10	3	40	40	15	10
562-150-08	IP15	3.5	45	40	15	10
562-200-08	IP20	4	45	40	15	10



SERIES 563 TORX PLUS® SCREWDRIVER WITH FLAG

BLADE MADE OF CV-STEEL

CODE STEELGREY						
563-050-08	IP5	2.5	35	23	13	10
563-060-08	IP6	2.5	35	23	13	10
563-070-08	IP7	2.5	35	23	13	10
563-080-08	IP8	2.5	40	23	13	10
563-090-08	IP9	3	40	23	15	10
563-100-08	IP10	3	40	23	15	10
563-150-08	IP15	3.5	45	23	15	10
563-200-08	IP20	4	45	23	15	10



SERIES 580
TR TORX® WITH A HOLE
 KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY						
580-090-08	TR9	3	59 × 19	4	-	10
580-100-08	TR10	3	65 × 20	6	-	10
580-150-08	TR15	3.5	75.5 × 20.5	7	-	10
580-200-08	TR20	4	87 × 22	11	-	10
580-250-08	TR25	4.5	97.5 × 22.5	16	-	10
580-270-08	TR27	5.5	105.5 × 25.5	28	-	10
580-300-08	TR30	6	111 × 30	33	-	10
580-400-08	TR40	7	119 × 33	49	-	10



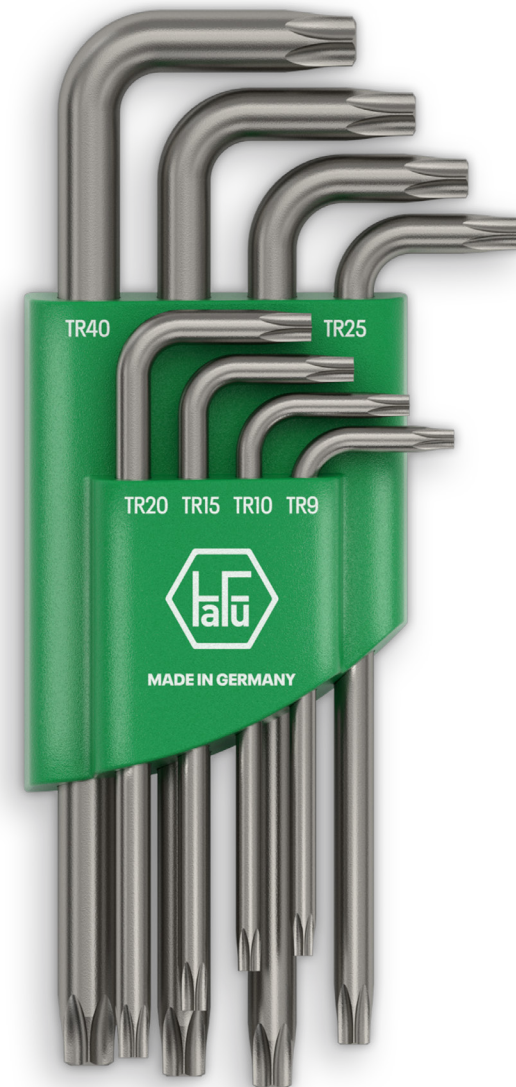
SERIES 581
TR TORX® WITH A HOLE
 PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CONTENT	SERIES 580			
581-180-08	TR9 • TR10 • TR15 • TR20 • TR25 • TR27 • TR30 • TR40	8 pcs	TR 9-40	160	-



SERIES 581
TR TORX® WITH A HOLE
 SB-PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CONTENT	SERIES 580			
581-380-08	TR9 • TR10 • TR15 • TR20 • TR25 • TR27 • TR30 • TR40	8 pcs	TR 9-40	160	+





SERIES 610 TORX® WITH BALLPOINT

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY	CODE CHROMED BLACK TIP	CODE NICKEL PLATED						
610-090-08	610-090-07	610-090-02	TX9	3	67 × 19	5	-	10
610-100-08	610-100-07	610-100-02	TX10	3	76 × 20	5	-	10
610-150-08	610-150-07	610-150-02	TX15	3.5	86.5 × 20.5	7	-	10
610-200-08	610-200-07	610-200-02	TX20	4	98 × 22	11	-	10
610-250-08	610-250-07	610-250-02	TX25	4.5	100.5 × 22.5	14	-	10
610-270-08	610-270-07	610-270-02	TX27	5.5	111.5 × 25.5	23	-	10
610-300-08	610-300-07	610-300-02	TX30	6	125 × 30	30	-	10
610-400-08	610-400-07	610-400-02	TX40	7	139 × 33	47	-	10
610-450-08			TX45	8	145 × 37	62	-	10
610-500-08			TX50	9	149 × 41	81	-	10
610-550-08			TX55	12	157 × 47	151	-	10
610-600-08			TX60	14	167 × 52	224	-	10

SERIES 610 TORX® WITH BALLPOINT / COLOR-CODED

KEY WRENCH MADE OF CV-STEEL

CODE POWDER-COATED	COLOR						
610-090-0278	RAL 3001	TX9	3	59 × 19	7	-	10
610-100-0233	RAL 5013	TX10	3	65 × 20	9	-	10
610-150-0281	RAL 5005	TX15	3.5	75.5 × 20.5	10	-	10
610-200-0296	RAL 5018	TX20	4	87 × 22	14	-	10
610-250-0232	RAL 6017	TX25	4.5	100.5 × 22.5	17	-	10
610-270-0230	RAL 1021	TX27	5.5	111.5 × 25.5	23	-	10
610-300-0231	RAL 1007	TX30	6	125 × 30	30	-	10
610-400-0236	RAL 2004	TX40	7	139 × 33	47	-	10



SERIES 611 TORX® WITH BALLPOINT

PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE CHROMED BLACK TIP	CODE NICKEL PLATED	CONTENT	SERIES 610			
611-180-08	611-180-07	611-180-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	165	-

SERIES 611 TORX® WITH BALLPOINT

SB-PLASTIC CLIP • CV-STEEL

CODE STEELGREY	CODE CHROMED BLACK TIP	CODE NICKEL PLATED	CONTENT	SERIES 610			
611-380-08	611-380-07	611-380-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	165	+

SERIES 612 TORX® WITH BALLPOINT / COLOR-CODED

PLASTIC CLIP • CV-STEEL

CODE POWDER-COATED	CONTENT	SERIES 610			
612-180-29	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	165	-



SERIES 614 TORX® WITH BALLPOINT

FABLIX® HOLDER • CV-STEEL

CODE STEELGREY	CODE CHROMED BLACK TIP	CODE NICKEL PLATED	CONTENT	SERIES 610			
614-180-08	614-180-07	614-180-02	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	260	-

SERIES 614 TORX® WITH BALLPOINT

FABLIX® HOLDER • CV-STEEL

CODE STEELGREY	CODE CHROMED BLACK TIP	CODE NICKEL PLATED	CONTENT	SERIES 610			
614-180-88	614-180-87	614-180-82	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	8 pcs	TX 9-40	270	+



SERIES 680 TR TORX® WITH A HOLE / BALLPOINT

KEY WRENCH MADE OF CV-STEEL

CODE STEELGREY						
680-090-08	TR9	3	67 × 19	5	-	10
680-100-08	TR10	3	76 × 20	5	-	10
680-150-08	TR15	3.5	86.5 × 20.5	7	-	10
680-200-08	TR20	4	98 × 22	11	-	10
680-250-08	TR25	4.5	100.5 × 22.5	14	-	10
680-270-08	TR27	5.5	111.5 × 25.5	23	-	10
680-300-08	TR30	6	125 × 30	30	-	10
680-400-08	TR40	7	139 × 33	47	-	10

SERIES 684 TR TORX® WITH A HOLE / BALLPOINT

FABLIX® HOLDER • CV-STEEL

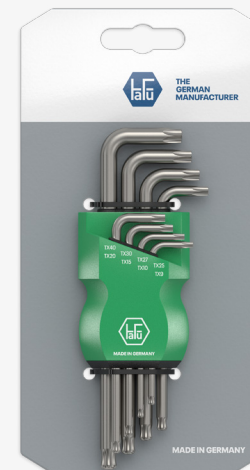
CODE STEELGREY	CONTENT	SERIES 680			
684-180-08	TR9 • TR10 • TR15 • TR20 • TR25 • TR27 • TR30 • TR40	8 pcs	TR 9-40	160	-

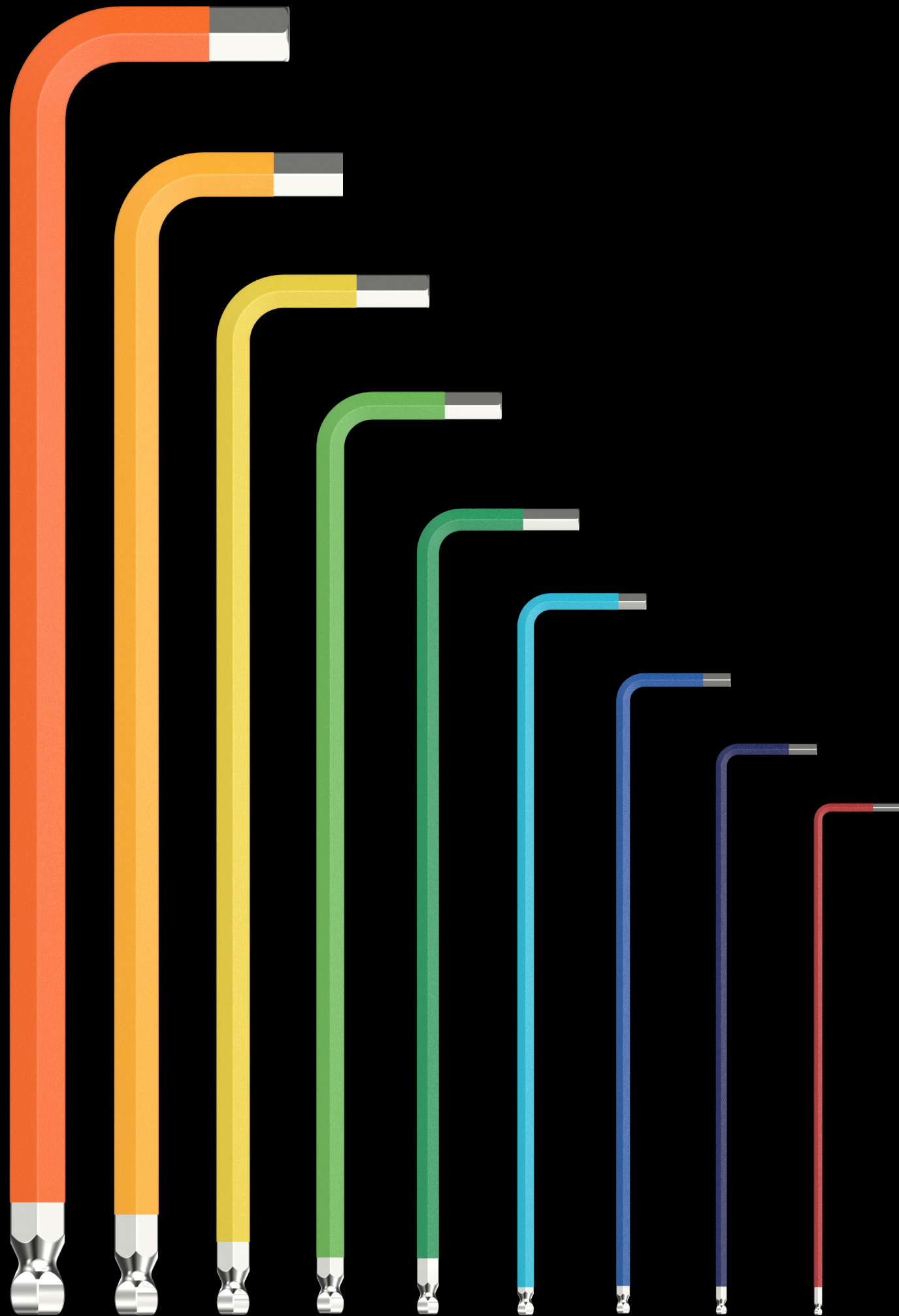


SERIES 684 TR TORX® WITH A HOLE / BALLPOINT

FABLIX® HOLDER • CV-STEEL

CODE STEELGREY	CONTENT	SERIES 680			
684-180-88	TR9 • TR10 • TR15 • TR20 • TR25 • TR27 • TR30 • TR40	8 pcs	TR 9-40	170	+





SPEKTRAL®

High quality powder coating.

The key wrenches in our SPEKTRAL® series stand out with their attractive colors and the noticeably pleasant feel of their surfaces.

SPEKTRAL® color coding assigns a different color to each dimension, so that you can quickly put your hands on the right tool.

Single-color powder-coated sets are available as standard in six different colors, which is best-suited to workplaces that are organised by color.



SERIES 400 COLOR-CODED HEXAGON KEY WRENCHES

PLASTIC CLIP • CV-STEEL

CODE	CONTENT	SERIES	mm	g	
400-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	200	9 pcs 1.5-10	250	-



SERIES 412 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES	mm	g	
412-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	410	9 pcs 1.5-10	410	-



SERIES 414 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

FABLIX® HOLDER • EXTRA LONG, CV-STEEL

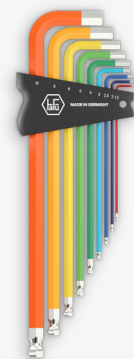
CODE	CONTENT	SERIES	mm	g	
414-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	410	9 pcs 1.5-10	380	-



SERIES 411 HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES	mm	g	
411-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	410	9 pcs 1.5-10	430	-
411-390-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	410	9 pcs 1.5-10	430	+



SERIES 482 HEXAGON KEY WRENCHES WITH BALLPOINT / GECKOTIP® / COLOR-CODED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES	mm	g	
482-190-29	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	410	9 pcs 1.5-10	410	-



SERIES 411 IMPERIAL HEXAGON KEY WRENCHES WITH BALLPOINT / COLOR-CODED

SB-PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES	in	g	
411-238-79	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	610	13 pcs 0.05-3/8	370	-
411-438-79	0.05 • 1/16 • 5/64 • 3/32 • 7/64 • 1/8 • 9/64 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8	610	13 pcs 0.05-3/8	370	+



SERIES 612 TORX® WITH BALLPOINT / COLOR-CODED

PLASTIC CLIP • CV-STEEL

CODE	CONTENT	SERIES		g	
612-180-29	TX9 • TX10 • TX15 • TX20 • TX25 • TX27 • TX30 • TX40	610	8 pcs TX 9-40	165	-



SERIES 423
HEXAGON KEY WRENCHES WITH BALLPOINT / BLACK

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES 410	mm	g	mm
423-190-2988	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	380	-



SERIES 423
HEXAGON KEY WRENCHES WITH BALLPOINT / BLUE

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES 410	mm	g	mm
423-190-2981	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	380	-



SERIES 423
HEXAGON KEY WRENCHES WITH BALLPOINT / GREEN

FABLIX® 2C HOLDER • EXTRA LONG, CV-STEEL

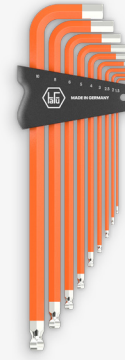
CODE	CONTENT	SERIES 410	mm	g	mm
423-190-2932	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	380	-



SERIES 412
HEXAGON KEY WRENCHES WITH BALLPOINT / RED

PLASTIC CLIP • EXTRA LONG, CV-STEEL

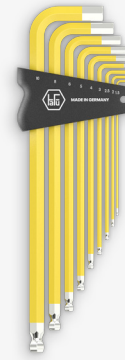
CODE	CONTENT	SERIES 410	mm	g	mm
412-190-2978	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-



SERIES 412
HEXAGON KEY WRENCHES WITH BALLPOINT / ORANGE

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES 410	mm	g	mm
412-190-2936	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-



SERIES 412
HEXAGON KEY WRENCHES WITH BALLPOINT / YELLOW

PLASTIC CLIP • EXTRA LONG, CV-STEEL

CODE	CONTENT	SERIES 410	mm	g	mm
412-190-2930	1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10	9 pcs	1.5-10	410	-

Our high-bay warehouse offers space for 2660 containers.





CERTIFICATE



ISO 9001:2015

DEKRA Certification GmbH hereby certifies that the organization
HaFu Werkzeugfabrik H. J. Fuhrmann GmbH

Scope of certification:

development, production and marketing of
hexagon, ballpoint hexagon and Torx ® and Torx Plus ® handtools

Certified location:

Egenstraße 57-63, 58339 Breckerfeld, Deutschland

has established and maintains a quality management system according to the above mentioned
standard. The conformity was adduced with audit report no. A13011435 / 2019.

Certificate registration no.:	41097612/8	Certificate valid from:	2019-07-25
Validity of previous certificate:	2019-07-03	Certificate valid to:	2022-07-03

A. Nagel


Dr. Gerhard Nagel
DEKRA Certification GmbH, Stuttgart, 2019-07-25

DEKRA Certification GmbH * Handwerkstraße 15 * D-70565 Stuttgart * www.dekra-certification.de



WE MANUFACTURE ACCORDING TO THESE CRITERIA

SIZE OF THE JAW (S)	CORNER DIMENSION (E)		L1	L2	HARDNESS HRC		TEST TORQUE (NM/MIN)		
VARIANCE	MAX	MIN	VARIANCE						
0.7	+0.01/-0	0.79	0.76	33	0/-2	7	0/-2	52	0.08
0.9	-0.01/-0.02	0.99	0.96	33	0/-2	11	0/-2	52	0.18
1.3	-0.03/-0.06	1.42	1.37	41	0/-2	13	0/-2	52	0.53
1.5	0/-0.02	1.68	1.63	46.5	0/-2	15.5	0/-2	52	0.82
2	0/-0.04	2.25	2.18	52	0/-2	18	0/-2	52	1.9
2.5	0/-0.04	2.82	2.75	58.5	0/-4	20.5	0/-2	52	3.8
3	0/-0.04	3.39	3.31	66	0/-4	23	0/-2	52	6.6
4	0/-0.05	4.53	4.44	74	0/-4	29	0/-2	52	16
5	0/-0.05	5.67	5.58	85	0/-4	33	0/-2	52	30
6	0/-0.05	6.81	6.71	96	0/-4	38	0/-2	52	52
7	0/-0.06	7.94	7.85	102	0/-6	41	0/-2	52	80
8	0/-0.06	9.09	8.97	108	0/-6	44	0/-2	52	120
10	0/-0.06	11.37	11.23	122	0/-6	50	0/-2	48	220
12	0/-0.110	13.65	13.44	137	0/-6	57	0/-2	48	370
14	0/-0.110	15.93	15.70	154	0/-7	70	0/-3	48	590
17	0/-0.110	19.35	19.09	177	0/-7	80	0/-3	45	980
19	0/-0.130	21.63	21.32	199	0/-7	89	0/-3	45	1360
22	0/-0.130	25.05	24.71	222	0/-12	102	0/-5	45	2110
24	0/-0.130	27.33	26.97	248	0/-12	114	0/-5	45	2750
27	0/-0.130	30.75	30.36	277	0/-12	127	0/-5	45	3910
30	0/-0.130	34.17	33.75	315	0/-12	142	0-5	45	4000
32	0/-0.160	36.45	35.98	347	0/-12	157	0/-5	45	4000
36	0/-0.160	41.01	40.50	391	0/-12	176	0/-5	45	4000

- A radius of rounded end or chamfer must not be larger than 0.8 (e - s).
The end faces must be perpendicular to the axis of the arms, a variance of up to 4° being permitted.
- r_{min} = s, but not smaller than 1.5 mm.

Material: Steel alloyed: grade at the manufacturer's discretion.

Version: If a specific method for corrosion-Proofing is not prescribed by the customer the surface protection shall be made at the manufacturer's discretion. By means of suitable treatment methods it must be ensured that will surface-treated offset screwdrivers no hydrogen embrittlement occurs.

Torque test: In a test to be carried out on a random spot check basis the offset screwdrivers after being stressed with the torques must not undergo any permanent deformation or any other damage such as cracking or similar which have an adverse effect on the usability.

In the case of stressing up to torsional breakage the offset screwdrivers must, for work safety reasons, show permanent deformation of at least 60°, before they clean off at the upper end of the hexagon socket inn attack. With torques above 1000 Nm a test I not necessary because these torques cannot be applied by hand. In the torque test the short arm of the offset screwdriver is plugged into a standardised set screw with a hexagon socket or an appropriate test disc with a hardness of at least 60 HRC and the test torque is applied. The test force is to be applied at the end of the long arm, rising constantly, not oscillating or abruptly, up to the test torque and/or up to breakage or

deformation of the offset screwdriver. The torque is calculated from the product of the test force times the distance between the point of application of the force and the hexagon socket centre.

Designation of an offset screwdriver of size jaw s = 10 mm: Screwdriver ISO 2936

Designation of an offset screwdriver of size jaw s = 10 mm, but with length 2 · l1 (L): Screwdriver ISO 2936

FOR THESE SCREWS

WRENCH SIZES	ISO 4762				ISO 4026	ISO 4027	ISO 4028
MM	DIN 912	DIN 6912	DIN 7984	DIN 7991	DIN 913	DIN 914	DIN 915
0.7					M1.4/1.8	M1.4/1.8	M1.4/1.8
0.9					M2	M2	M2
1.3	M1.4				M2.5	M2.5	M2.5
1.5	M1.6-2				M3	M3	M3
2	M3		M3	M3	M4	M4	M4
2.5	M3		M4	M4	M5	M5	M5
3	M4	M4	M5	M5	M6	M6	M6
4	M5	M5	M6	M6	M8	M8	M8
5	M6	M6	M8	M8	M10	M10	M10
6	M8	M8		M10	M12M/14	M12M/14	M12M/14
7			M10				
8	M10	M10	M12	M12	M16	M16	M16
10	M12	M12	M14	M14/M16	M18/20	M18/20	M18/20
12	M14	M14	M16/M18	M18/M20	M22/24	M22/24	M22/24
14	M16/M18	M16/M18	M20/M22	M22/M24			
17	M20/M22	M20/M22	M24				
19	M24/M27	M24/M27					
22	M30	M30					
24	M33	M33					
27	M36						
32	M42						
36	M48						

SCREWDRIVER

FOR THESE SCREWS

TX	SW	Ø	TESTTORQUE (NM)	ISO 4762 DIN 912	DIN 963 965	DIN 964 966	DIN 7984 6912	DIN 7985	DIN 7991	DIN 7981	DIN 7972 7982	DIN 7973 7983
T6	1.67	2.5	*	*	*	*	*	*	*	*	*	*
T7	1.99	2.5	1.4	*	*	*	*	*	*	*	*	*
T8	2.31	3	2.8	2.5	2.5	2.5		2.5		2.9	2.9	2.9
T9	2.50	3	3.7							2.9		
T10	2.74	3	3.7	3	3	3	3	3	3	3.5	3.5	3.5
T15	3.27	3.5	6.4		3.5	3.5		3.5		3.9	3.9	3.9
T20	3.86	4	10.5	4	4	4	4	4	4	4.2	4.2	4.2
T25	4.43	4.5	15.9	5	5	5	5	5	5	4.8/5.5	4.8/5.5	4.8/5.5
T27	4.99	5.5	22.5	**	**	**	**	**	**	**	**	**
T30	5.52	6	31.1	6	6	6	6	6	6	6.3	6.3	6.3
T40	6.65	7	54.1	8	8	8	8	8	8			
T45	7.82	8	86.2	**	**	**	**	**	**	**	**	**
T50	8.83	9	132	10	10	10	10	10	10			
T55	11.22	12	252	12			12		12			
T60	13.25	14	437	14			14		12			

* Special screws M1.6 and 2.0 for carbide reversing plate / ** Special screws

TERMS AND CONDITIONS

1. Area of Application These general terms and conditions shall apply exclusively; customer's conditions contrary to them or conditions deviating from the terms and conditions shall not be recognised without express approval in writing. Our terms of sale, delivery and payment shall also apply if we make delivery to the customer without any reservations while being aware of the customer's contrary or deviating terms and conditions. Our terms of sale, delivery and payment shall also apply to all future business with the customer.

2. Quotation Our quotations are to be understood in all their parts as being without engagement. We reserve rights to ownership and copyright to illustrations, drawings, costing calculations and other documents. The documents mentioned may not be made accessible to third parties without our express approval. Insofar as nothing to the contrary has otherwise been agreed, in first place our technical terms of delivery, otherwise the relevant DIN standards, shall apply to the contractual relationship on all technical issues.

3. Prices and terms of payment Insofar as nothing different is to be seen from the contractual agreements, our prices apply „ex works“, excluding packaging; this shall be invoiced separately. All of the prices stated by us are net prices; they are to be understood as being plus VAT at the statutory level as of the day of invoicing. Unless otherwise agreed upon in the contract, the invoices are to be settled within 30 days net. The customer shall only have rights to offset if its counter-claims are the subject of a non-appealable court decision, are not disputed or have been recognised by us. Moreover, the customer shall only be entitled to claim a right of retention to the extent that its counter-claim is based on the same contractual relationship as the entitlement to payment.

4. Delivery and delivery time The start of the delivery time agreed upon necessitates the clarification of all technical questions. Both claims for damages made by the customer because of a delay in delivery and claims for damages in lieu of performance shall be excluded in all cases of delayed delivery even after the expiry of any time limit we were set for delivery. The customer can only withdraw from the contract within the scope of the statutory regulations if we are responsible for the delay in delivery. The customer shall be obliged to declare, at our request, within a reasonable period of time, whether it will withdraw from the contract due to the delay in delivery and/or

demand damages in lieu of performance or insist on performance. If the customer defaults on acceptance of delivery or if it infringes any other cooperation obligations we shall be entitled to demand compensation for the loss incurred by us including any possible additional expenditure. In this case, the risk of accidental loss or accidental deterioration of the item purchased also passes to the customer at the point in time at which the latter defaults on acceptance of delivery. Unless otherwise agreed, we shall be entitled to make part deliveries. The customer shall not be entitled to reject part deliveries, unless these are for him, due to the nature of the obligation and/or due to the structure of the item or its application purpose up to 10% of the ordered scope of supply in each case permitted; such excess deliveries or such short deliveries cannot be complained about by the customer.

5. Passage of risk Insofar as nothing different is to be seen from the contractual agreements, delivery „ex works“ has been agreed upon. This shall apply even if the item purchased is forwarded to a different address at the request of the customer. The risk then passes, together with the transfer of the item purchased to the carrier, to the customer. In the absence of precise instructions on the part of the customer as regards transport we shall perform the shipment according to our best assessment of the situation, without at the same time accepting any commitment for the cheapest and most appropriate means of conveyance. To the extent that the customer so desires, we shall provide cover for the delivery by means of a transport insurance; the costs incurred for this shall be borne by the customer.

6. Warranty for defects The warranty rights of the customer require that the latter has met its examination and notification of defect reporting obligations according to Articles 377, 378 of the German Commercial Code (HGB) in a correct and due manner. To the extent that there is a defect in the item purchased, we are always primarily to be given an opportunity for subsequent performance in accordance with Art. 439 of the German Civil Code (BGB). If we are not willing or not able to carry out subsequent performance or if it is delayed beyond reasonable time limits for reasons for which we are responsible, or if the subsequent performance fails for other reasons, the customer shall be entitled, at its discretion, to withdraw from the contract or to demand the reduction of the purchase price (price reduction). Unless stated otherwise below, all further claims made by the customer – no matter on what legal grounds – shall be excluded. We the-

refore do not accept any liability for damage not incurred by the item supplied itself; in particular we do not accept any liability for loss of profit or any other pecuniary losses of the customer. Claims under the warranty for defects made by the customer shall be subject to the statute of limitations after 12 months.

7. Total liability Further liability for damages and compensation for necessary expenses, as is provided for in the warranty for defects – shall be excluded irrespective of the legal nature of claims made. The provision shall not apply to claims which are made against us in accordance with Articles 1 and 4 of the Act on Liability for Faulty Products. The exclusion of liability shall not apply in cases of intent, of gross negligence, of fatal or physical injury or impairment of health as well and in cases of the infringement of essential contractual duties (what are referred to as „cardinal duties“), either.

8. Retention of title We reserve ownership of the item purchased until complete settlement of the purchase price including the secondary costs (freight, packaging etc.). In the event of non-contractual behaviour on the part of the customer, in particular in the event of default on payment, we shall be entitled, to withdraw from the sales contract and to take back the item purchased. We shall, after taking back the item purchased, be entitled to utilise it; the utilisation proceeds remaining after deduction of the reasonable utilisation costs are to be credited to the liabilities of the customer. In the event of attachments or other intervention, the customer is obliged, to inform us in writing without delay. The customer shall in this case continue to be obliged to support us to the full extent with our claims made to enforce our rights in and out of court, in particular to make the necessary documents and papers available to us. The customer shall be entitled to resell the item purchased in the ordinary course of business; it shall, however, already now assign to us all accounts receivable in the amount of the invoice amount (including value-added tax), which accrue to it from his customer or third parties in connection with the resale. This assignment is independent of whether the item purchased is resold without or after processing. We hereby accept this assignment. The customer shall remain entitled to collect the account receivable within the scope of the ordinary course of business. This entitlement shall expire, if the customer does not meet its payment obligations from the proceeds collected, or if it defaults on payment. This shall also expire, if an application for the opening of insolvency

or composition proceedings concerning the customer's assets is made or if the customer suspends payment. In these cases we shall be entitled to collect the assigned account receivable ourselves. The customer is obliged to provide us with all the information required for collection and to hand over the associated documents to us. In this case the customer is also obliged to inform the debtors (third parties) of the assignment.

9. Tool costs Unless other agreements have been reached, the tools produced for the order shall also remain our property, even in cases in which the purchaser is invoiced separately for a percentage of the tool costs.

10. Items produced to customers' specifications With the purchase order we require binding details regarding the version, quantity etc. in the form of a written statement. For reasons relating to production we reserve the right to make excess deliveries or short deliveries of up to 10%. Technical modifications or deletions after our order acknowledgement are possible at a charge for the expense incurred. In general, items produced to customers' specifications are excluded from returning.

11. Place of performance, applicable law and venue Unless otherwise agreed in the contract, the place of performance shall be at place where our company has its registered head office. The law of the Federal Republic of Germany shall apply exclusively to all business relations with us. The applicability of the CISG (UN sales law) is excluded. If the customer is a businessman for all legal disputes the courts of the Federal Republic of Germany shall be competent internationally. The venue shall, in all cases, be the place where our company has its registered head office. However, we are entitled to sue the customer at his general venue. These competence provisions shall apply also to actions initiated in the special procedure deciding claims arising out of a bill of exchange or cheque.

