

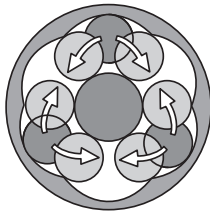
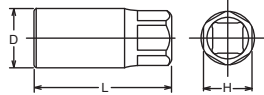


# ACCESSORIES ZUBEHÖRTEILE ACCESSOIRES



# Stud Pullers & Setters Stehbolzendreher Extracteurs de goujons




## 4100M / 4100A Stud Pullers Stehbolzendreher Extracteurs de goujons






**Stud Pullers**  
Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.


**Stehbolzendreher**  
Der neue Körper mit sechs Walzenmulden verteilt den Druck auf Käfig und Walzen weitaus vorteilhafter.

**Extracteurs de goujons**  
Le nouveau corps de forme hexagonale répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

4100M (mm)		D (mm)	L (mm)	H (mm)	 (g)	 (pcs.)
5	1/2"	24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9		28	75	21	217	10
10		28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	-⚠	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	 (g)	 (pcs.)
1/4	1/2"	24	65	21	150	10
5/16		24	65	21	147	10
3/8		28	75	21	213	10
7/16		28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	-⚠	34	75	27	315	5

\* Renewal Kits → **4100MRK/4100ARK** → P321

 4100M-16 and 4100A-5/8 do not have 1/2" square drive.  
Drive the outer hexagon part with 27mm sockets or ring wrenches.  
Die Artikel 4100M 16mm und 4100A 5/8" haben keinen 1/2" Antriebsvierkant.  
Bitte benutzen Sie den 27mm Aussensechskant.  
Les articles 4100M-16 et 4100A-5/8" n'ont pas de carré entraînant 1/2", veuillez utiliser l'hexagonal 6 pans 27mm

### Tolerance

4100M (mm)		4100A (inch)	
5	4.7- 5	1/4	6 - 6.4
6	5.6- 6	5/16	7.6- 8
7	6.6- 7	3/8	9 - 9.6
8	7.6- 8	7/16	10.5-11.1
9	8.4- 9	1/2	12.1-12.7
10	9.4-10	9/16	13.5-14.3
10.5	9.9-10.5	5/8	15.2-16
11	10.4-11		
12	11.4-12		
14	13.2-14		
16	15.2-16		


## 4211M / 4211A Stud Pullers Sets Stehbolzendreher im Satz Jeux d'extracteurs de goujons



**4211M** 4 Pieces Set/=1,040g

METAL CASE:W215xH80xT47mm


### PULLER

 **4100M** Stud Pullers  
6, 8, 10, 12

**4211A** 4 Pieces Set/=1,040g

METAL CASE:W215xH80xT47mm

### PULLER

 **4100A** Stud Pullers  
1/4, 5/16, 3/8, 1/2


## 4214M Stud Pullers Set Stehbolzendreher im Satz Jeux d'extracteurs de goujons



**4214M** 5 Pieces Set/=1,450g

METAL CASE:W215xH80xT47mm

### PULLER

 **4100M** Stud Pullers  
6, 8, 10, 12, 14

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR





INDUSTRIAL

AUTOMOTIVE


MOTORCYCLE

CONSTRUCTION

SPARE PART

6100M (mm)		D (mm)	L (mm)	H (mm)	 (g)	 (pcs.)
18	3/4"	48	100	36	840	1
20		48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27	- 	63	125	46	1707	1
28		63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

\* Renewal Kits → 6100MRK → P321

 6100M-22 to -30 do not have 3/4" square drive.  
Drive the outer hexagon part with sockets or ring wrenches  
(size 22-24mm = 36H, 27-30mm = 46H.)

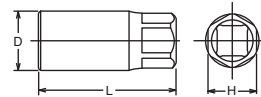
Die Stehbolzendreher ab Abmessung 22mm haben keinen 3/4" Antriebsvierkant.  
Bitte benutzen sie den Aussensechskant.

Les extracteurs de goujon à partir de la dimension 22mm n'ont pas de carré d'entraînement 3/4".  
Veuillez utiliser le carré extérieur.





Tolerance





6100M (mm)	Tolerance
18	16.9-18
20	18.8-20
22	20.8-22
24	22.7-24
27	25.7-27
28	26.7-28
29	27.6-29
30	28.6-30

6100M  Stud Pullers  
Stehbolzendreher  
Extracteurs de goujons



14100M / 14100A  IMPACT Stud Pullers  
IMPACT Stehbolzendreher  
Extracteurs de goujons IMPACT

14100M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
6	1/2"	24	25	48	126	10	*1
7		24	25	48	126	10	*1
8		24	25	48	122	10	*1
9		28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

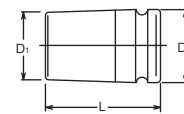
14100A (inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
1/4	1/2"	24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8		28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

\*1 C-Ring=C41,Pin/O-Ring=A41/B41

\*2 C-Ring=C42,Pin/O-Ring=A42/B42 → P268-269

Tolerance

14100M (mm)	Tolerance	14100A (inch)	Tolerance
6	5.6- 6	1/4	6 - 6.4
7	6.6- 7	5/16	7.6- 8
8	7.6- 8	3/8	9 - 9.6
9	8.4- 9	7/16	10.5-11.1
10	9.4-10	1/2	12.1-12.7
12	11.4-12		

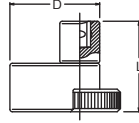


# Stud Pullers & Setters

## Stehbolzendreher

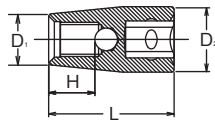
## Extracteurs de goujons

### 4104 ○ Stud Puller Stehbolzendreher Extracteur de goujons



4104	□	Tolerance		D (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
		min	max				
	1/2"	φ6	φ19	54	56	489	2

### 4103M / 4103A ○ Stud Bolt Setters Stehbolzensetzer Monte-goujons ⚠️



4103M (mm)	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
6(1.0)	1/2"	10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)		15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

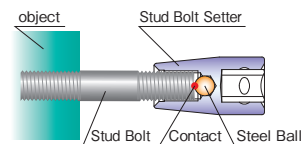
4103A (inch)	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
New 1/4(28)	1/2"	10.7	22	9	37	55	10
New 5/16(18)		13.2	22	11	37	61	10
New 5/16(24)		13.2	22	11	37	61	10
New 3/8(16)		14.6	22.9	12	44	84	10
New 7/16(14)		16.5	22.9	14	44	85	10
New 1/2(13)		19	22.9	14	44	88	10

⚠️ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

### 4203M ○ Stud Bolt Setters Set Stehbolzensetzer im Satz 4203MF ○ Jeu de monte-goujons



<b>4203M</b>	4 Pieces Set/⚖️=530g
METAL CASE:W130xH65xT26mm	
Stud Bolt Setter	
○ 4103M Stud Bolt Setters	6(1.0), 8(1.25), 10(1.5), 12(1.75)
<b>4203MF</b>	4 Pieces Set/⚖️=530g
METAL CASE:W130xH65xT26mm	
Stud Bolt Setter	
○ 4103M Stud Bolt Setters	6(1.0), 8(1.25), 10(1.25), 12(1.25)



A special socket for installing a stud bolt.  
Inside steel ball prevents the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.  
Le goujon est en contact avec une bille d'acier pour l'empêcher d'adhérer à la douille.  
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer

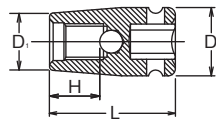
13103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)			
						(g)	(pcs.)	
5(0.8)	3/8"	9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)		12.5	19	10	32	44	10	*1
8(1.25)		13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

### 13103M

Impact Stud Bolt Setters  
Impact Stehbolzensetzer  
Monte-goujons Impact



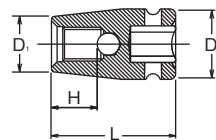
14103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)			
						(g)	(pcs.)	
6(1.0)	1/2"	12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)	22	25	21	55	128	10	*1	

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

### 14103M

Impact Stud Bolt Setters  
Impact Stehbolzensetzer  
Monte-goujons Impact



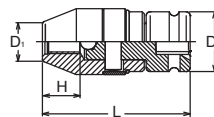
23103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)			
					(g)	(pcs.)	
New 6(1.0)	11.1	22	9	59	175	10	*1
New 8(1.25)	13.6	22	11	61	181	10	*1
New 10(1.25)	16	22	13	63	188	10	*1
New 10(1.5)	16	22	13	63	188	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

This item is not suitable for impact drivers.  
Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

### 23103M

Stud Bolt Setter with unlocking system  
Stehbolzensetzer mit Entriegelungssystem  
Monte-goujons avec système de déverrouillage



24103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)			
					(g)	(pcs.)	
New 8(1.25)	15.4	30	15	69	332	10	*1
New 10(1.25)	17.8	30	18	72	344	10	*1
New 10(1.5)	17.8	30	18	72	344	10	*1
New 12(1.75)	20.2	30	19	74	352	10	*1

\*1 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

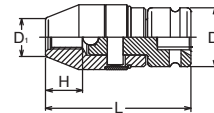
This item is not suitable for Impact Drivers.  
The tool should only be used with non-impacting electric screwdrivers.

Das Werkzeug ist nicht für Schlagschrauber geeignet.  
Das Werkzeug sollte ausschliesslich mit nicht schlagenden Elektroschraubern verwendet werden.

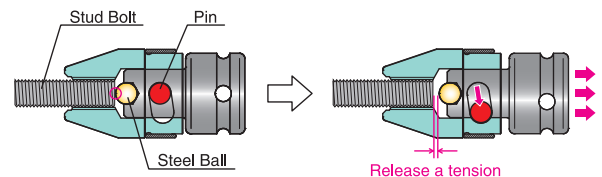
L'outil n'est pas adapté aux visseuses à chocs.  
L'outil doit être utilisé exclusivement avec des visseuses électriques non percutantes.

### 24103M

Stud Bolt Setter with unlocking system  
Stehbolzensetzer mit Entriegelungssystem  
Monte-goujons avec système de déverrouillage



#### 23103M/24103M -Stud Bolt Setter with unlocking system-



**Installing a stud bolt**

**Removing the stud bolt setter**

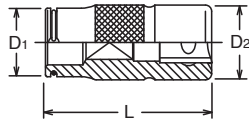
The stud setter has an unlocking system that allows the tool to be easily unscrewed from the stud.

Der Stehbolzensetzer verfügt über ein Entriegelungssystem dadurch lässt sich das Werkzeug ganz leicht vom Stehbolzen abdrehen.

L'outil de pose de goujons dispose d'un système de déverrouillage qui permet de le détacher facilement du goujon.

Tap Holder / Die Holder  
 Halter für Gewindeschneider / Halter für Gewindeschneideisen  
 Porte taraud / Porte-filière

**3131E** Tap Holder  
 Halter für Gewindeschneider  
 Porte taraud / porte-filière



3131E	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
□2.1x	□2.8	6.8	18	40	45	10
□2.7x	□3.5	8	18	40	46	10
□3.4x	□4.5	9.5	18	40	47	10
□4.9x	□6	11.5	18	40	48	10
□5.5x	□7	12.5	18	40	49	10
□7	□9	15	18	40	48	10
□9	□11	17	18	40	48	10
□9	□12	18	18	40	48	10

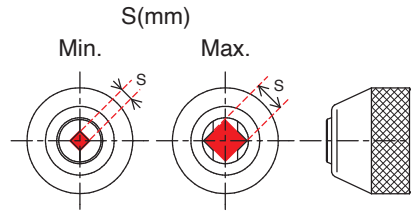
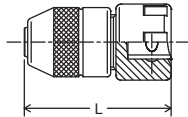
For DIN352, DIN351, DIN2181, DIN5157 tap

**3264** Tap Holder set 10 pieces  
 Halter für Gewindeschneider im Satz  
 Jeu de portes taraud



3264		10 Pieces Set/△=1.050g	
METAL CASE:W240xH100xT32mm			
Sockets		Accessories	
□3131E	□2.1x□2.8, □2.7x□3.5, □3.4x□4.5, □4.9x□6, □5.5x□7, □7x□9, □9x□11, □9x□12,		160K
			3760-125

**3131A** Adjustable Tap Holder  
 Halter für Gewindeschneider, einstellbar  
**4131A** Porte taraud, ajustable

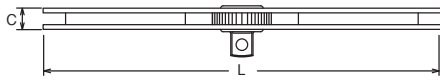


3131A	□	S(mm)		L (mm)	(g)	(pcs.)
		Min.	Max.			
1	□3/8"	2.0	5.0	42	80	5
2	□3/8"	4.5	8.0	47	100	5

4131A	□	S(mm)		L (mm)	(g)	(pcs.)
		Min.	Max.			
3	□1/2"	5.5	12	69	400	2

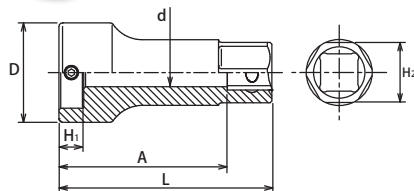
**160K** Reversible Ratchet  
 Verstellbare Knarre  
 Cliquet réversible



Tap is not included.  
 Gewindeschneider, nicht enthalten.  
 Taraud non inclus.

	□	C (mm)	L (mm)	(g)	(pcs.)
160K	□3/8"	10	220	130	1
160K-1/2	□1/2"	10	220	135	1

**3132** Die Holder  
 Halter für Gewindeschneideisen  
**4132** Porte-filière



	□	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	d (mm)	A (mm)	L (mm)	(g)	(pcs.)
3132-20	□3/8"	28	7	17	8	45	60	130	5
4132-25		34	9	22	14	40	60	170	2
4132-38	□1/2"	48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2

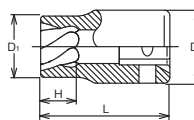


Die is not included.  
 Gewindeschneideisen, nicht enthalten.  
 Filière non inclus.

2127 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	1/4"	7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6		9.5	13	6	23	14	10
7		10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10



**2127** NUTTWISTER®



RS2127/6	6 Pieces Set/Rail 150mm	(g)
4, 4.5, 5, 5.5, 6, 7		105

**RS2127/6** Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



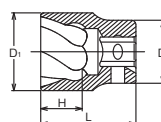
RS2127/10	10 Pieces Set/Rail 150mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5, 10		180

**RS2127/10** Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



3127 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12		17	19	12	32	44	10
13		18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17	23.5	22	16	35	80	10	
19	26	22	16	35	92	10	

**3127** NUTTWISTER®



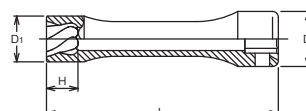
RS3127/8	8 Pieces Set/Rail 200mm	(g)
8, 9, 10, 11, 12, 13, 14, 16		420

**RS3127/8** Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail

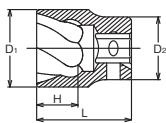





3128-80 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11		16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

**3128 (L80)** NUTTWISTER® (Long type)



4127  NUTTWISTER®



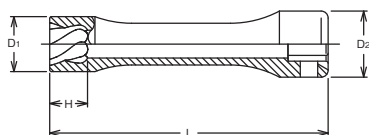
4127 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
14	1/2"	19.7	30	14	42	125	10
17		23.5	30	16	42	137	10
19		26	30	16	42	146	10
21		28	30	17	42	153	10
22		29.5	30	17	42	158	10
24		32	30	18	42	174	10
25.4		33.5	30	18	42	183	10




RS4127/6   Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



RS4127/6	6 Pieces Set/Rail 200mm	 (g)
17, 19, 21, 22, 24, 25.4		960

4128 (L120)  NUTTWISTER® (Long type)



4128-120 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
17	1/2"	23.5	30	16	120	227	10
19		26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10

A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Eine einfache und wirkungsvolle Methode rund gedrehte Muttern und Bolzen herauszudrehen bzw. zu öffnen.  
Die scharfen Kanten der gewundenen NUTTWISTER® Öffnung setzen sich um die Mutter bzw. den Schraubenkopf und drehen sie problemlos heraus.

Il existe une méthode simple mais efficace pour retirer les écrous et les boulons arrondis ainsi que les goujons et les dispositifs de verrouillage des jantes.  
Les arêtes vives de la douille NUTTWISTER® vont «mordre» l'écrou, le boulon ou le goujon et permettre ainsi facilement son extraction.



NUTTWISTER®

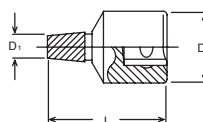




3129-32 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10



**3129-32 / -60** BOLTTWISTER®



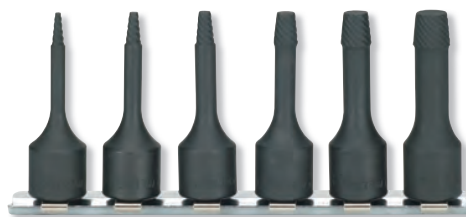
3129-60 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

RS3129/6-L32	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		250

RS3129/6-L60	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		320

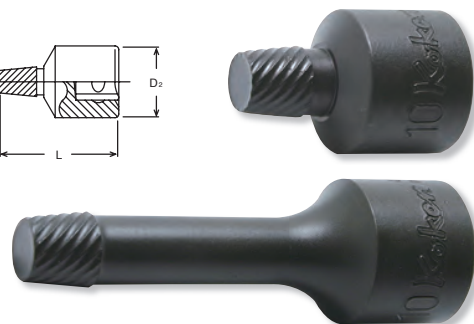
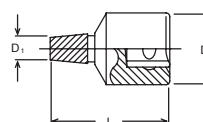
**RS3129/6-L32 / -L60** Socket Set on Rail

Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



4129-37 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	1/2"	8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

**4129-37 / -75** BOLTTWISTER®



4129-75 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	1/2"	8	24	75	80	10
10		10	24	75	94	10
12		12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

RS4129/5-L37	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 16		370

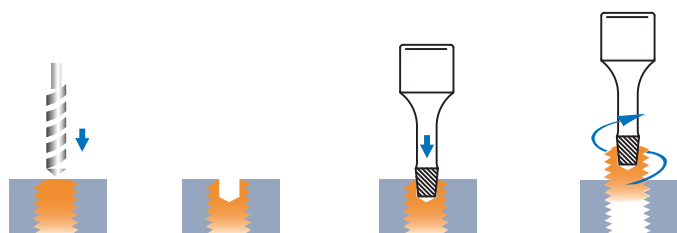


**RS4129/5-L37 / -L75** Socket Set on Rail

Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



RS4129/5-L75	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 16		600



Effective method and easy solution for removing twisted of bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp Spirals edges will hold the broken bolt and easily remove it.

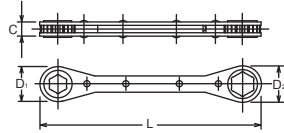
Eine effektive Methode und einfache Lösung zum Entfernen von verdrehten Schrauben. Bohren Sie ein Loch in die Mitte der Schraube und treiben Sie den BOLTTWISTER fest in das Loch. Die scharfen Spiralkanten halten die gebrochene Schraube fest und entfernen diese leicht.



Une méthode efficace et une solution simple pour enlever les vis tordues. Percez un trou au centre de la vis et enfoncez fermement le BOLTTWISTER dans le trou. Les arêtes hélicoïdales tranchantes maintiennent la vis cassée et permettent de la retirer facilement.



BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4 ~ 2.6
3	M6	φ 3.2 ~ 3.5
4	M8	φ 4.2 ~ 4.5
6	M10 ~ M12	φ 6.2 ~ 6.5
8	M14 ~ M16	φ 8.2 ~ 8.5
10	M18 ~ M20	φ 10.2 ~ 10.5
12	M22 ~ M24	φ 12.2 ~ 12.5
14	M27 ~ M30	φ 14.2 ~ 14.5
16	M33	φ 16.2 ~ 16.5

# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet

## 102NM / 102NA Without reverse lever Nicht umstellbar Non réversible







102NM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
6x7	108	15.3	16.4	7.5	60	10
7x8	108	15.3	16.4	7.5	60	10
8x9	134	17.1	19.7	7.5	80	10
8x10	134	17.1	19.7	7.5	80	10
10x11	140	20.1	22.7	7.5	87	10
10x12	140	20.1	22.7	7.5	87	10
11x13	145	23.6	24.6	9	112	10
12x13	145	23.6	24.6	9	112	10
12x14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
7/32 x 1/4	108	15.3	16.4	7.5	60	10
1/4 x 9/32	108	15.3	16.4	7.5	60	10
1/4 x 5/16	108	15.3	16.4	7.5	60	10
5/16 x 11/32	134	17.1	19.7	7.5	80	10
5/16 x 3/8	134	17.1	19.7	7.5	80	10
3/8 x 7/16	140	20.1	22.7	7.5	87	10
7/16 x 1/2	145	23.6	24.6	9	112	10
1/2 x 9/16	145	23.6	24.6	9	112	5

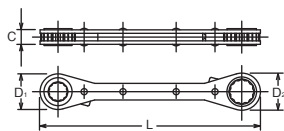
## 102KM / 102KA Reversible Umstellbar Réversible





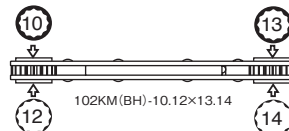
102KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
6x7	108	15.3	16.4	7.2	51	10
7x8	108	15.3	16.4	7.2	51	10
8x9	134	17	20	9.1	76	10
8x10	134	17	20	9.1	76	10
10x11	141	21	23.5	9.1	84	10
10x12	141	21	23.5	9.1	84	10
12x13	146	24	25	9.1	89	10
12x14	146	24	25	9.1	89	5
13x17	200	27.1	31.8	11.5	190	5
14x17	200	27.1	31.8	11.5	200	5

102KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
7/32 x 1/4	108	15.3	16.4	7.2	51	10
1/4 x 5/16	108	15.3	16.4	7.2	51	10
5/16 x 11/32	134	17	20	9	76	10
3/8 x 7/16	141	21	23.5	9.1	84	10
1/2 x 9/16	146	24	25	9.1	89	5

## 102KM.BH With Twin Openings (Two-in-One) Doppel-Ringschlüssel (zwei Öffnungen in einer) Ouvertures doubles





102KM.BH (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
5.5x 6x 7x 8	108	15.3	16.4	10	60	10
8x 10x12x13	141	21	23.5	13	87	10
9x 10x11x12	141	21	23.5	13	87	10
10x 12x13x14	146	24	25	13	98	10
13x 14x15x17	200	27.1	31.8	16	200	5



## 102KT Reversible TORX® Umstellbar TORX® Réversible TORX®



102KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)	 (pcs.)
E 4xE 6	108	15.3	16.4	7.5	51	10
E 6xE 8	108	15.3	16.4	7.5	51	10
E10xE12	134	17	20	9	76	10

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TORX® ist ein registriertes Markenzeichen der Firma CAMCAR Innovations.  
TORX® est une marque déposée de CAMCAR Innovations.

# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet

Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

103KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
6x 7	108	15.3	16.4	7.5	51	5
7x 8	108	15.3	16.4	7.5	51	5
8x 9	134	17	20	9	76	5
8x10	134	17	20	9	76	5
10x11	140	21	23.5	9	84	5
10x12	140	21	23.5	9	84	5
12x13	145	24	25	9	89	5
12x14	145	24	25	9	89	5

103KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
7/32x 1/4	108	15.3	16.4	7.5	51	5
1/4 x 5/16	108	15.3	16.4	7.5	51	5
5/16x11/32	134	17	20	9	76	5
5/16x 3/8	134	17	20	9	76	5
3/8 x 7/16	140	21	23.5	9	84	5
7/16x 1/2	145	24	25	9	89	5
1/2 x 9/16	145	24	25	9	89	5

103KA.BH (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
1/4x5/16	108	15.3	16.4	7.5	51	5
3/8x7/16	140	21	23.5	9	84	5
1/2x9/16	145	24	25	9	89	5

103KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
E 4xE 6	104	15.3	16.4	7.5	51	5
E 6xE 8	104	15.3	16.4	7.5	51	5
E10xE12	128	17	20	9	76	5
E14xE16	139	24	25	9	89	5

145KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10H	125	20.1	7.5	72	10

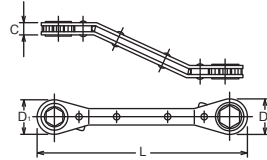


150-10H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

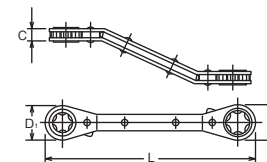
1203	7 Pieces Set/△=250g
METAL CASE:W130xH65xT20mm	
Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	145KM-10H

**103KM / 103KA** ○ Reversible  
Umstellbar  
Réversible

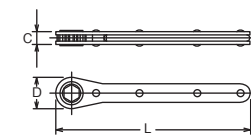
**103KA.BH** ○ Reversible (12P)  
Umstellbar (12P)  
Réversible (12P)



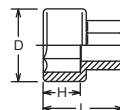
**103KT** ○ Reversible TORX®  
Umstellbar TORX®  
Réversible TORX®



**145KM-10H** ○ Reversible, 10mm 6-pt.  
Verstellbar SW10mm  
Réversible 10mm



**150-10H** ○ Sockets with 10mm 6-point Drive End  
Steckschlüssel mit 10mm Sechskant-Antrieb  
Douilles à conducteur de 10mm 6-pans mâle




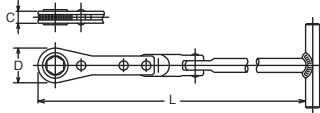
**1203** ○ Sockets with 10mm 6-point Drive End in Set with Ratchet  
Steckschlüssel mit 10mm Sechskant-Antrieb mit Knarre im Satz  
Jeu de douilles à conducteur 10mm 6-pans mâle, avec cliquet





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TORX® est une marque déposée de CAMCAR Innovations.

# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet



**154M**  Push and Pull-Ratchets  
Hub-Knarren  
Clé à cliquet de levage



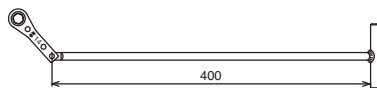
154M (mm)	L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
8	294	17.1	7.5	178	2
10	297	20.1	7.5	183	2
12	300	23.6	9	189	2
13	301	24.6	9	194	2
14	301	24.6	9	194	2



**154ML**  Push and Pull-Ratchets  
Hub-Knarren  
Clé à cliquet de levage

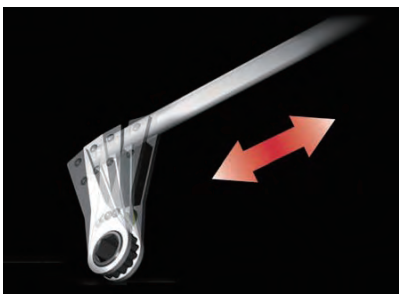


154ML (mm)	L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
10	297	20.1	7.5	230	2
12	300	23.6	9	252	2

**1206**  Push and Pull-Ratchet  
Hub-Knarre  
Clé à cliquet de levage



1206		3 Pieces Set/  =320g
CARDBOARD BOX		
Sockets		Accessory
 150.14H Sockets 12, 14	154K-14	




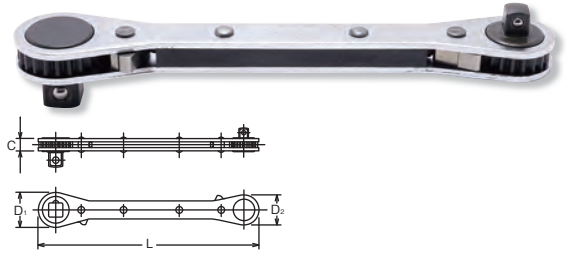
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet

137	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
	141	23.5	21	9	104	5

1/4" × 3/8"

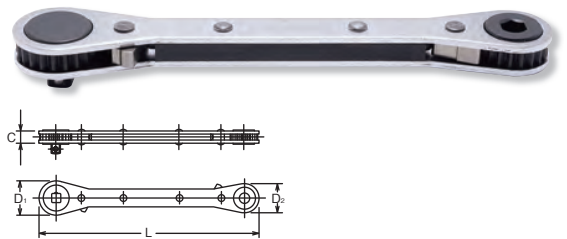
**137**  For 1/4" and 3/8" Square Drive Sockets  
Für Steckschlüssel mit 1/4" und 3/8" Antrieb  
Pour douilles d'un carré conducteur de 1/4" et 3/8"



138	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
	141	23.5	21	9	97	10


1/4" × 1/4"

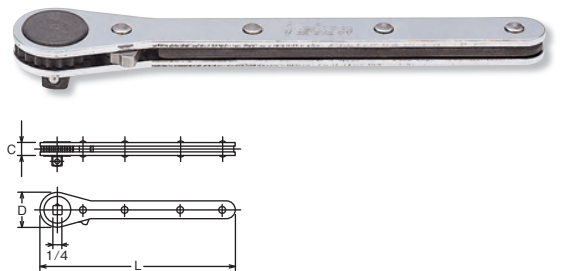
**138**  For Bits 101  
Für Klängen 101  
Pour embouts 101



139	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
	125	20.1	7.5	80	10

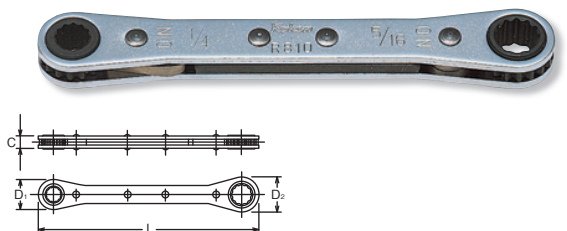
1/4"

**139**  For 1/4" Square Drive Sockets  
Für Steckschlüssel mit 1/4" Antrieb  
Pour douilles d'un carré conducteur de 1/4"



R810 (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)	(pcs.)
1/4x5/16	108	15.3	16.4	7.5	60	10
3/8x7/16	140	20.1	22.7	7.5	87	10
1/2x9/16	145	23.6	24.6	9	112	10

**R810**  Reversible (12P)  
Umstellbar (12P)  
Réversible (12P)



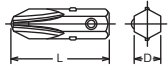
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

# Ratcheting Ring Spanners

## Knarren-Ringschlüssel

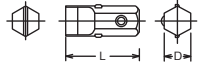
### Clés hexagonales à cliquet

#### 101P PH Bits PH Bits Embouts, PH



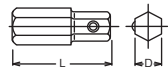
101P (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

#### 101S Slotted Bits Schlitz Bits Embouts, fente



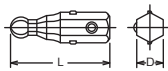
101S	D (mm)	L (mm)	(g)	(pcs.)
1.0x7	6.35	15	3	10
1.2x7	6.35	15	3	10

#### 101H Hex Bits Sechskant Bits Embouts, 6 pans creux




101H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

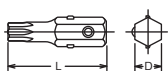
#### 101B Ball-point Hex Bits Sechskant Bits Embouts, 6 pans creux



101B (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

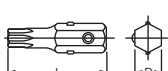
 Ball point bits have less strength due to the special design. Make sure to use them correctly.

#### 101T (T) TORX® Bits TORX® Bits Embouts, TORX®




101T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10

#### 101T (TH) Tamper-Resistant TORX® Bits TORX® Bits Embouts, TORX®



101T (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

 Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

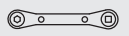
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

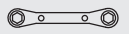



# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet

128H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

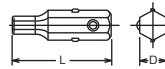
128T (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	(g)	(pcs.)
	8	6.35	20	8	10

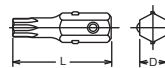
1202		15 Pieces Set/△=420g
METAL CASE:W190xH60xT30mm		
Bits	Accessory	
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bit 1x7</li> <li>101B Ballpoint Hex Bits 3, 4, 5, 6</li> <li>101T TORX® Bits T10, T15, T20, T25, T27, T30</li> </ul>	 138	

2254M		12 Pieces Set/△=450g
METAL CASE:W160xH100xT28mm		
Bits	Accessories	
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bits 1x7, 1.2x7</li> <li>101H Hex Bits 3, 4, 5</li> </ul>	 102NA-1/4x5/16  2769F  101A  2137	

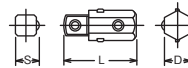
**128H**  Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



**128T**  TORX® Bits  
TORX® Bits  
Embouts, TORX®



**101A**  Adaptor  
Verbindungsstück  
Adaptateur



**1202** Bit Set  
Bit-Satz  
Jeu d'embouts



**2254M** Bit Set  
Bit-Satz  
Jeu d'embouts



# Ratcheting Ring Spanners Knarren-Ringschlüssel Clés hexagonales à cliquet

**R810A** Bit Set  
Bit-Satz  
Jeu d'embouts



R810A 5 Pieces Set/△=208g	
METAL CASE:W130xH65xT20mm	
Bits	Accessory
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bit 1x7</li> </ul>	102NA-1/4x5/16

**R810B** Bit Set  
Bit-Satz  
Jeu d'embouts



R810B 10 Pieces Set/△=268g	
METAL CASE:W130xH65xT20mm	
Bits	Accessory
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bit 1x7</li> <li>128H Hex Bits 3, 4, 5, 6, 8</li> </ul>	102NA-1/4x5/16

**R810C** Bit and Socket Set  
Bit und Steckschlüssel Satz  
Jeu de douilles et d'embouts



R810C 12 Pieces Set/△=227g	
METAL CASE:W130xH65xT20mm	
Bits, Sockets	Accessories
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bit 1x7</li> <li>2400M Sockets 5, 6, 7, 8, 9, 10</li> </ul>	102NA-1/4x5/16 101A

**R810D** Bit and Socket Set  
Bit und Steckschlüssel Satz  
Jeu de douilles et d'embouts



R810D 17 Pieces Set/△=336g	
METAL CASE:W130xH65xT20mm	
Bits, Sockets	Accessories
<ul style="list-style-type: none"> <li>101P PH Bits 1, 2, 3</li> <li>101S Slotted Bit 1x7</li> <li>128H Hex Bits 3, 4, 5, 6, 8</li> <li>2400M Sockets 5, 6, 7, 8, 9, 10</li> </ul>	102NA-1/4x5/16 101A

**R810E** Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



R810E 9 Pieces Set/△=445g	
METAL CASE:W130xH65xT20mm	
Sockets	Accessories
<ul style="list-style-type: none"> <li>2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12</li> </ul>	102NA-1/4x5/16 101A



Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

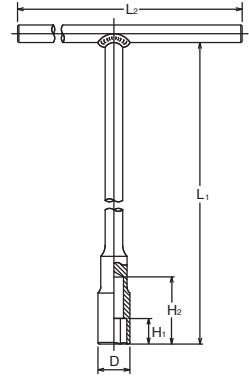
CONSTRUCTION

SPARE PART



**156M**  6-Point Deep  
6-kant, lang  
Longues 6-pans

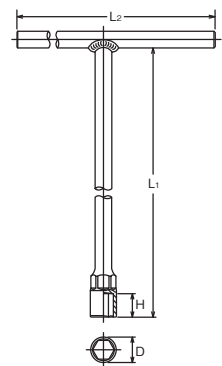
156M (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	(g)	(pce.)
8	12	9	41	355	200	231	1
10	14.5	11	41	355	200	289	1
12	16.8	13	41	355	200	429	1
14	20	16	41	355	200	454	1



**104ME / 104A**  6-Point  
6-kant  
6-pans

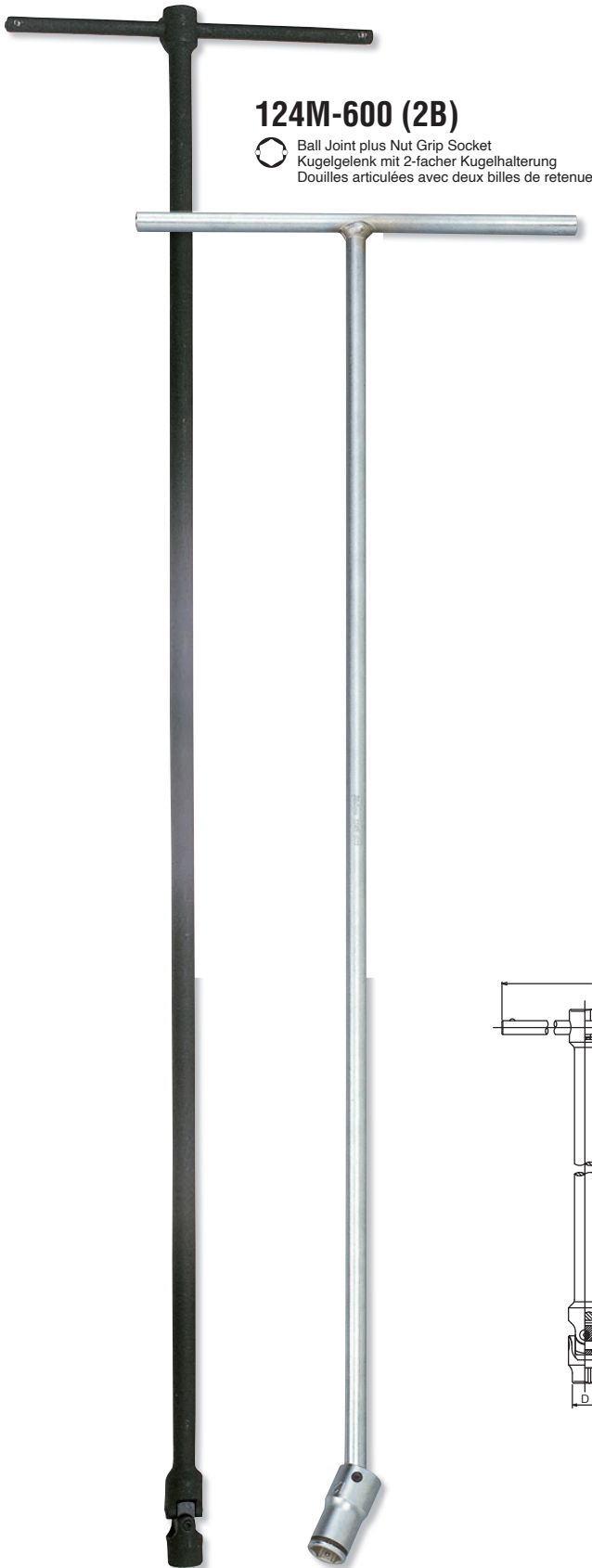
104ME (mm)	D (mm)	H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	200	355	1
13	18.5	17	250	250	390	1
14	20	18	250	250	399	1
15	21	19	250	250	404	1
16	22.5	21	250	250	419	1
17	24	22	250	250	568	1
18	25	23	250	250	577	1
19	26.5	25	250	250	594	1
New 21	29	27	350	300	1070	1
New 22	30	28	350	300	1062	1
New 24	33	30	350	300	1140	1

104A (inch)	D (mm)	H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1






T-Handles  
T-Griffe  
Poignées en T



**3116M**  Universal with 6-point Socket  
Gelenk mit 6-kant Steckschlüssel  
Cardan avec douille 6-pans



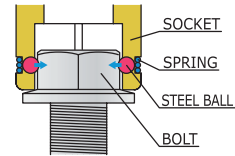
**124M-600 (2B)**

 Ball Joint plus Nut Grip Socket  
Kugelgelenk mit 2-facher Kugelhalterung  
Douilles articulées avec deux billes de retenue

3116M (mm)	D (mm)	H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
10	14.5	8	800	190	796	1
12	17	10.3	800	190	797	1
13	18	11.3	800	190	797	1
14	19.5	11.3	800	190	797	1
15	21	12.8	800	190	799	1
16	22	12.8	800	190	806	1
17	23.6	13.8	800	190	801	1
18	24	13.8	800	190	809	1

124M-600 (mm)	D (mm)	H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1

**NUT GRIP®**



**NUT GRIP®**

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.  
Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.  
Les 2 billes dans l'ouverture du 6-pans de la douille retiennent l'écrou de manière sûre et efficace.

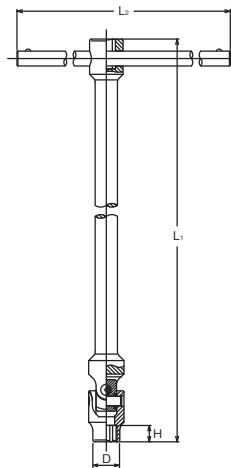







photo: 3116M



**157HE**  For Inhex Screws  
Für Innsechskant-Schrauben  
Pour vis à 6-pans creux



157HE (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
3	250	180	98	1
4	250	180	121	1
5	250	180	158	1
6	250	180	416	1
8	250	180	422	1
10	300	190	440	1
12	320	210	660	1


**157T**  For TORX® Screws  
Für TORX®-Schrauben  
Pour vis TORX®

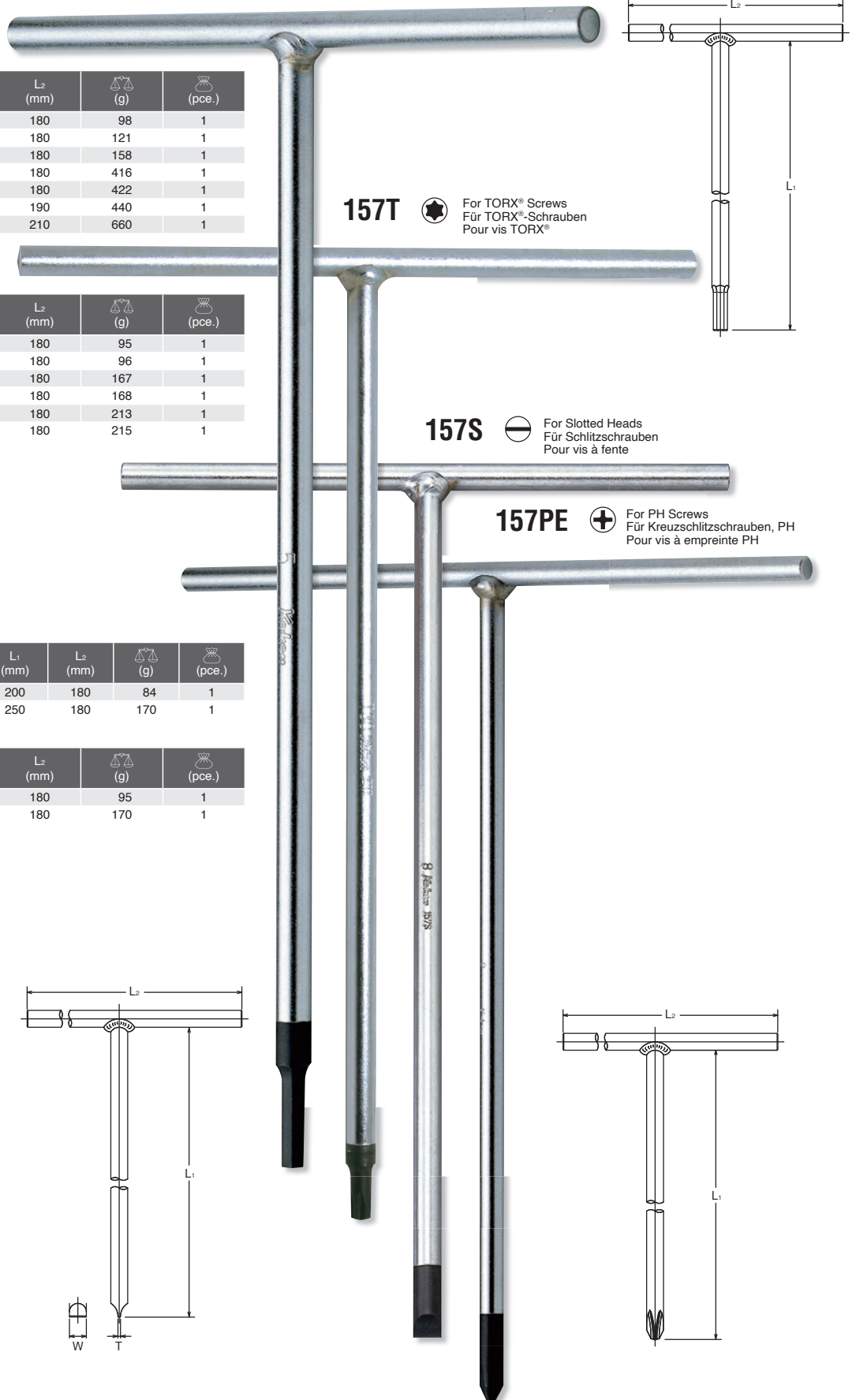
157T (T)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

**157S**  For Slotted Heads  
Für Schlitzschrauben  
Pour vis à fente

157S	T×W	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
6	1.0×6	200	180	84	1
8	1.2×8	250	180	170	1

157PE (PH)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
2	250	180	95	1
3	250	180	170	1

**157PE**  For PH Screws  
Für Kreuzschlitzschrauben, PH  
Pour vis à empreinte PH



Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

T-Handles  
T-Griffe  
Poignées en T

**2715**  T-Handle  
T-Griff  
Poignée coulissante



**3715**  T-Handle  
T-Griff  
Poignée coulissante



**3715S**  T-Handle  
T-Griff  
Poignée coulissante



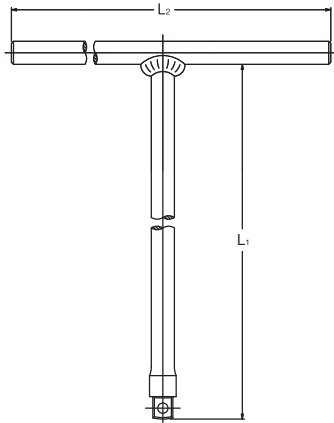
**3715SL**  T-Handle  
T-Griff  
Poignée coulissante







 **3715SLK**  T-handle with freewheel handle  
T-Griff mit freilauf Hülse  
Poignée en T avec poignée libre



 **3716**  T-Handle  
T-Griff  
Poignée coulissante 



		L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
<b>2715</b>		200	120	130	1

		L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
<b>3715</b>		268	240	386	1
<b>3715S</b>		268	190	347	1
<b>3715SL</b>		237	200	325	1
<b>3715SLK</b>		236	200	470	1
<b>3716</b>		268	240	379	1

3716  
3716 has a reduced square drive and similar function as offset extension bars.



photo: 3715SLK

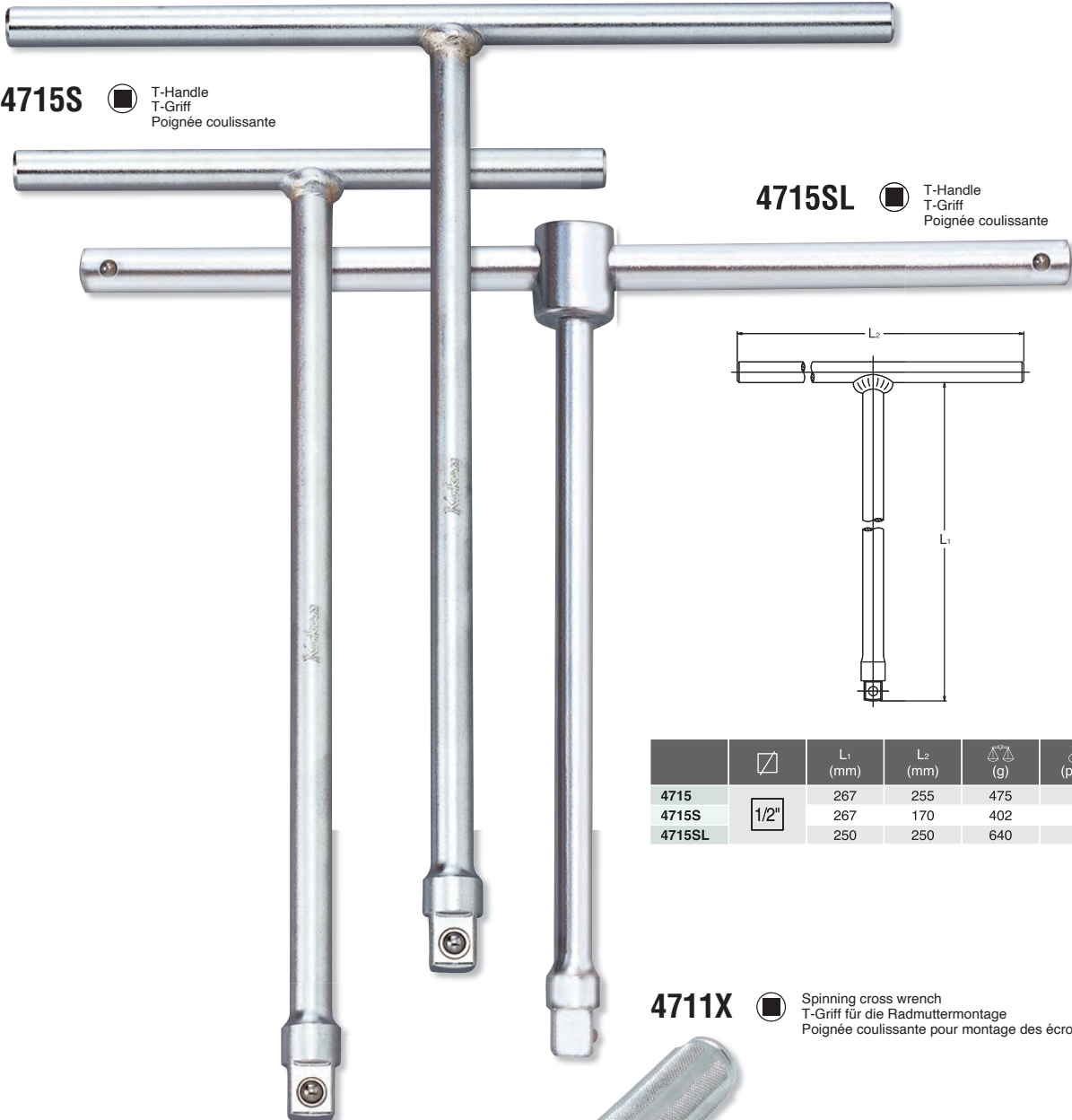






Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART


**4715**  T-Handle  
T-Griff  
Poignée coulissante

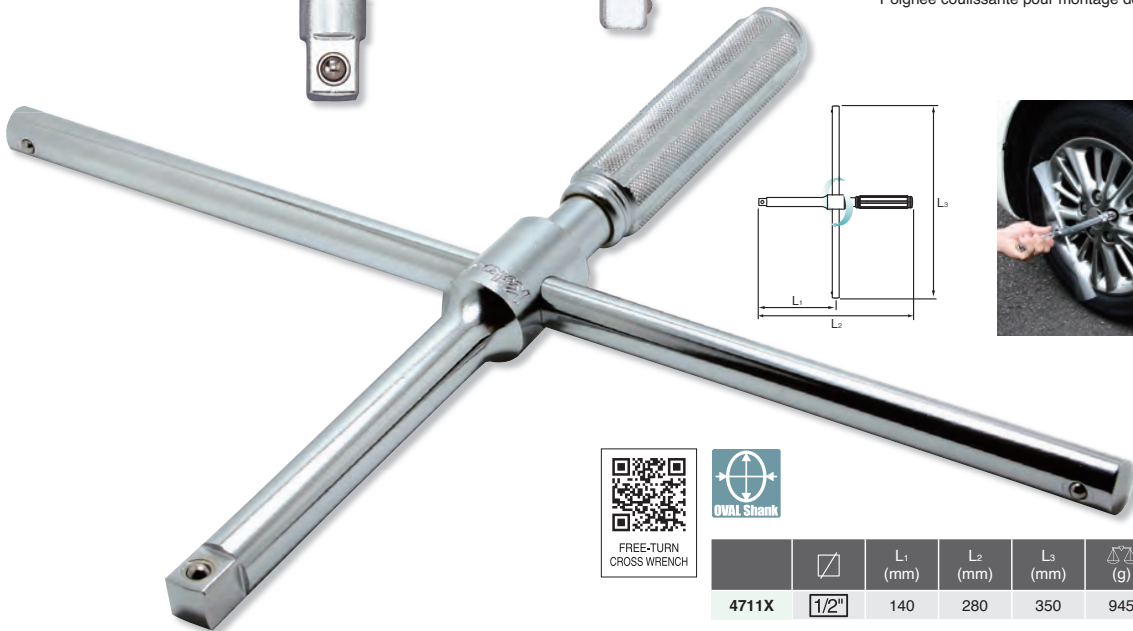
**4715S**  T-Handle  
T-Griff  
Poignée coulissante





**4715SL**  T-Handle  
T-Griff  
Poignée coulissante



		L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	 (g)	 (pce.)
4715		267	255	475	1
4715S		267	170	402	1
4715SL		250	250	640	1

**4711X**  Spinning cross wrench  
T-Griff für die Radmuttermontage  
Poignée coulissante pour montage des écrous à roue



		L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	L <sub>3</sub> (mm)	 (g)	 (pce.)
4711X		140	280	350	945	1

# Attack Drivers

## Hand-Schlagschrauber

### Tournevis à frapper

**3112G** Attack Driver  
Handschlagschrauber  
Tournevis à frapper



		L (mm)	(g)	(pce.)
<b>3112G</b>	<b>3/8"</b>	159	810	1



		L (mm)	(g)	(pce.)
<b>4112G</b>	<b>1/2"</b>	163	810	1
<b>4112N</b>		163	730	1

\* 4112N Renewal Kits → **4112RK** → **P319**

**4112G** Attack Driver  
Handschlagschrauber  
Tournevis à frapper



		L (mm)	(g)	(pce.)
<b>6112</b>	<b>3/4"</b>	190	1900	1

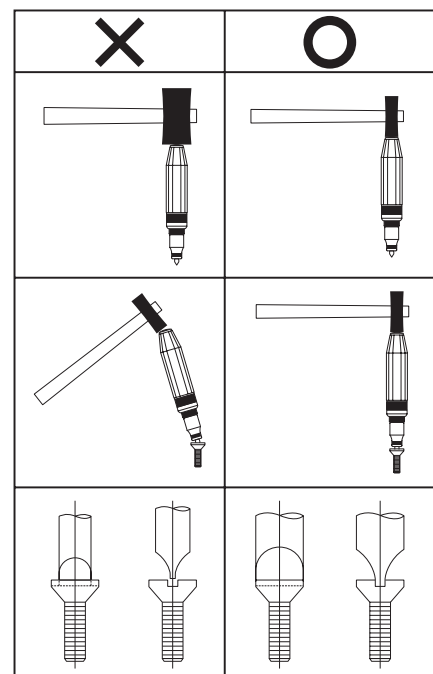
\* Renewal Kits → **6112RK** → **P319**

**4112N** Attack Driver  
Handschlagschrauber  
Tournevis à frapper







Black finished striking head prevents the problem of peeling.  
Das geschwätzte Schlagende vermeidet das Abspringen von Chromteilen.  
La finition "black finish" de la tête évite l'écaillage du chromage.

**6112** Attack Driver  
Handschlagschrauber  
Tournevis à frapper







**AG318A** 6 Pieces Set/Δ=1,150g

METAL CASE:W220xH82xT60mm

Bits		Accessories	
	<b>100P.32 PH Bits</b> 2, 3		<b>3112G</b>
	<b>100S.32 Slotted Bits</b> 9, 11		<b>3138</b>

**AG112A** 6 Pieces Set/Δ=1,150g







METAL CASE:W220xH82xT60mm

Bits		Accessories	
	<b>100P.32 PH Bits</b> 2, 3		<b>4112G</b>
	<b>100S.32 Slotted Bits</b> 9, 11		<b>4138</b>

100P, S Bits →P168

**AG112H** 18 Pieces Set/Δ=1,480g









METAL CASE:W220xH82xT60mm

Bits		Accessories	
	<b>100P.32 PH Bits</b> 2, 3, 4		<b>4112G</b>
	<b>100S.32 Slotted Bits</b> 8, 9, 10, 12, 14		<b>4138</b>
	<b>100H.32 Hex Bits</b> 5, 6, 8, 10		
	<b>100T.32 TORX® Bits</b> T30, T40, T45, T50		

100P, S, H, T Bits →P168

**AG112F** 25 Pieces Set/Δ=1,530g





METAL CASE:W220xH82xT60mm

Bits		Accessories	
	<b>100P.32 PH Bits</b> 2, 3		<b>4112G</b>
	<b>100P.32 PZ Bits</b> P22, PZ3		<b>4138</b>
	<b>100S.32 Slotted Bits</b> 9, 11		
	<b>100H.32 Hex Bits</b> 4, 5, 6, 7, 8, 10		
	<b>100T.32 TORX® Bits</b> T25, T27, T30, T40, T45, T50		
	<b>100X.32 XZN Bits</b> M5, M6, M8, M10, M12		

100P, S, H, T, X Bits →P168-169

**AN112A** 6 Pieces Set/Δ=1,070g


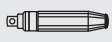


METAL CASE:W190xH59xT45mm

Bits		Accessories	
	<b>100P.32 PH Bits</b> 2, 3		<b>4112N</b>
	<b>100S.32 Slotted Bits</b> 9, 11		<b>4138</b>

100P, S Bits →P168

**AN112C** 8 Pieces Set/Δ=1,350g

METAL CASE:W220xH82xT60mm

Bits		Accessories	
	<b>100P.80 PH Bits</b> 1, 2, 3		<b>4112N</b>
	<b>100S.80 Slotted Bits</b> 7, 9, 12		<b>4138</b>

100P, S Bits →P168

**AG318A** Attack Driver Set  
Handschlagschrauber-Satz  
Jeu de tournevis à frapper



**AG112H** Attack Driver Set  
Handschlagschrauber-Satz  
Jeu de tournevis à frapper



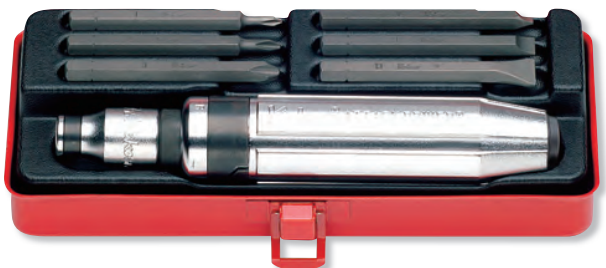
**AG112F** Attack Driver Set  
Handschlagschrauber-Satz  
Jeu de tournevis à frapper




**AN112A** Attack Driver Set  
Handschlagschrauber-Satz  
Jeu de tournevis à frapper



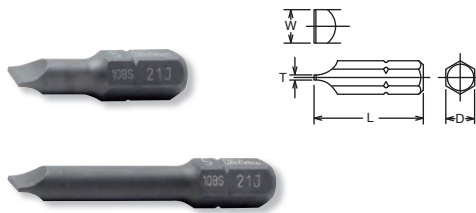
**AN112C** Attack Driver Set  
Handschlagschrauber-Satz  
Jeu de tournevis à frapper



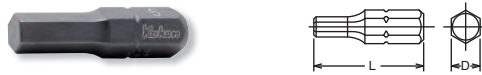
**108P-25 / -32 / -50**  PH Bits  
PH Bits  
Embouts, PH



**108S-25 / -39**  Slotted Bits  
Schlitz Bits  
Embouts, fente



**108H-25**  Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux




**108T-25 (T)**  TORX® Bits  
TORX® Bits  
Embouts, TORX®



**108T-25 (TH)**  Tamper-Resistant TORX® Bits  
Tamper-Resistant TORX® Bits  
Embouts TORX®, Tamper-Resistant 



 Tamper resistant TORX® Bits have less strength due to special design.  
Make sure to use it correctly.

Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit.  
Achten Sie darauf, sie richtig zu verwenden.

Les embouts TORX® à l'abri de manipulation sont moins résistants en raison de leur conception spéciale.  
Veuillez les utiliser correctement.

**108A**  Adaptor  
Verbindungsstück  
Adaptateur



108P-25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P-50 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S-25	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	25	3	10
4	0.6x4	6.35	25	3	10
4.5	0.6x4.5	6.35	25	4	10
5	0.8x5	6.35	25	5	10
5.5	0.8x5.5	6.35	25	5	10
6	1.0x6	6.35	25	5	10
8	1.2x8	6.35	25	6	10

108S-39	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	39	6	10
4	0.6x4	6.35	39	6	10
4.5	0.6x4.5	6.35	39	6	10
5	0.8x5	6.35	39	7	10
5.5	0.8x5.5	6.35	39	8	10
6	1.0x6	6.35	39	9	10
8	1.2x8	6.35	39	12	10

108H-25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

108H-25 (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T-25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T-25 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

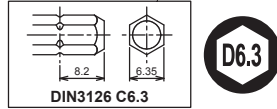
108A-25	D (mm)	L (mm)	(g)	(pcs.)
1/4B	6.35	25	10	10

Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

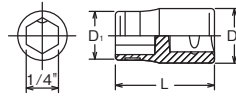


	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	⚖ (g)	◇ (pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



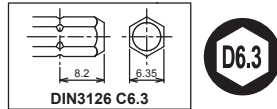
- 2137 ○ Bit Holder  
Klingenhalter  
Porte-embouts
- 3137 ○
- 4137 ○



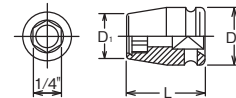
	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	⚖ (g)	◇ (pcs.)	⚡
12139	1/4"	11	13	25	15	10	*1
13139	3/8"	11	19	30	32	10	*2
14139	1/2"	11	25	35	62	10	*3

\*1 Pin/O-Ring=A21/B21  
\*2 C-Ring=C31,Pin/O-Ring=A31/B31  
\*3 C-Ring=C41,Pin/O-Ring=A41/B41

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



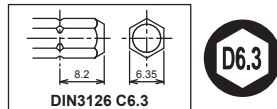
- 12139 ○ Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact
- 13139 ○
- 14139 ○



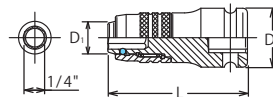
	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	⚖ (g)	◇ (pcs.)	⚡
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

\*1 C-Ring=C31,Pin/O-Ring=A31/B31  
\*2 C-Ring=C41,Pin/O-Ring=A41/B41

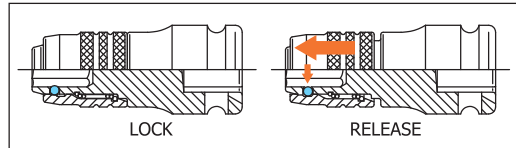
For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



- 13142-D6.3 ○ Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact
- 14142-D6.3 ○



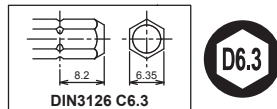
### Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.  
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.  
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure.

	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pce.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



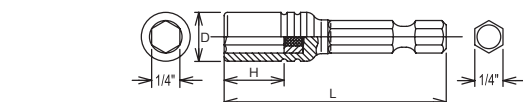
- 2749P-1/4HF ○ Reversible Ratchet, for Bits 1/4"  
Knarre, verstellbar, für Bits 1/4"  
Cliquet, réversible pour embouts 1/4"



- 2774P-1/4HF ○ Flexible Ratchet, reversible, for Bits 1/4"  
Gelenk-Knarre, verstellbar, für Bits 1/4"  
Cliquet à tête articulée pour embouts 1/4"



	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
180M-50	11	13.5	50	15	10



- 180M-50 ○ Bit Holder with Magnet  
Klingenhalter mit Magnet  
Porte-embouts avec aimant



## 100P-32 / -80 / -125 PH Bits PH Bits Embouts, PH



100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P-80 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10

100P-125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

## 100P-32 (PZ) PZ Bits PZ Bits Embouts, PZ



100P-32 (PZ)	D (mm)	L (mm)	(g)	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

## 100S-32 / -80 Slotted Bits Schlitz Bits Embouts, fente



100S-32	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	32	10	10
7	1 x 7	8	32	11	10
8	1.2x 8	8	32	12	10
9	1.6x 9	8	32	12	10
10	1.6x10	8	32	13	10
11	1.6x11	8	32	15	10
12	2 x12	8	32	18	10
14	2 x14	8	32	21	10

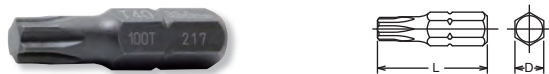
100S-80	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	80	29	10
7	1 x 7	8	80	30	10
8	1.2x 8	8	80	31	10
9	1.6x 9	8	80	32	10
10	1.6x10	8	80	33	10
11	1.6x11	8	80	33	10
12	2 x12	8	80	34	10
14	2 x14	8	80	37	10

## 100H-32 Hex Bits Sechskant Bits Embouts, 6 pans creux



100H-32 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

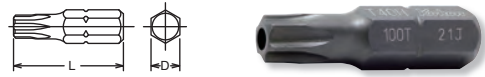
## 100T-32 (T) TORX® Bits TORX® Bits Embouts, TORX®



100T-32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

100T-32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

## 100T-32 (TH) Tamper-Resistant TORX® Bits Tamper-Resistant TORX® Bits Embout TORX®, Tamper-Resistant



Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.  
Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.  
Les embouts TORX® à l'abri de manipulations sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

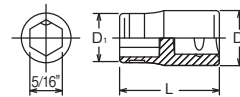
100X-32	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

## 100X-32 (XZN) XZN Bits XZN Bits Embout, XZN

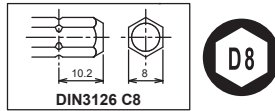


		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10

## 2138 Bit Holder Klingenhalter Porte-embouts 3138 4138

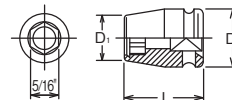


For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



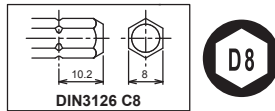
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12140	1/4"	14	13	25	15	10	*1
13140	3/8"	14	19	30	32	10	*2
14140	1/2"	14	25	35	62	10	*3

## 12140 Impact Bit Holder Impact Klingenhalter Porte embouts Impact 13140 14140



\*1 Pin/O-Ring=A21/B21  
\*2 C-Ring=C31\_Pin/O-Ring=A31/B31  
\*3 C-Ring=C41\_Pin/O-Ring=A41/B41

For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts

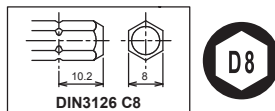


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1

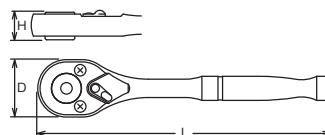
## 2749P-5/16HF Reversible Ratchet, for Bits 5/16" Knarre, verstellbar für Bits 5/16" Cliquet, réversible pour embouts 5/16"



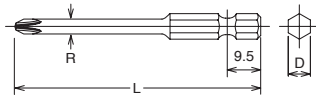
For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



## 2774P-5/16HF Flexible Ratchet, reversible, for Bits 5/16" Gelenk-Knarre, verstellbar, für Bits 5/16" Cliquet à tête articulée pour embouts 5/16"

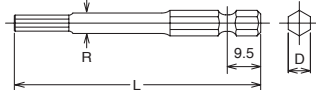


**121P-50 / -70 / -100 / -150**  PH Bits  
PH Bits  
Embouts, PH



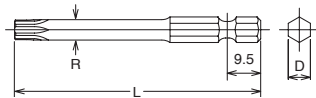
121P-50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

**121H-50 / -70 / -100 / -150**  Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



121H-50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	-	50	14	10

**121T-50 / -70 / -100 / -150 (T)**  TORX® Bits  
TORX® Bits  
Embouts, TORX®



121T-50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

121P-70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

121P-100 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	-	100	24	10

121P-150 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	-	150	36	10

121H-70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H-100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	-	100	26	10

121H-150 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	-	150	39	10

121T-70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	-	70	18	10

121T-100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T-150 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

121T-70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	70	15	10
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	-	70	18	10

121T-100 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

121T-50 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

121T-70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	Ⓢ
12137E	1/4"	12	13	36	22	10	*1
13137E	3/8"	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

\*1 Pin/O-Ring=A21/B21  
 \*2 C-Ring=C31, Pin/O-Ring=A31/B31  
 \*3 C-Ring=C41, Pin/O-Ring=A41/B41  
 → P268-269

12137E, 13137E and 14147E can be used with various 1/4" bits, DIN 3126-C6.3, DIN 3126-E6.3 and Double ended type.

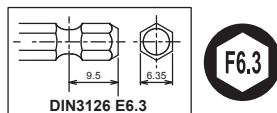
Die neuen Bithalter können für alle 1/4" Bits DIN 3126-C6.3, DIN 3126-E6.3 und für doppelseitige Bits verwendet werden.

Ces nouveaux porte embouts peuvent être utilisés avec tous les embouts 1/4" DIN 3126 E-6.3 et DIN 3126 C6.3

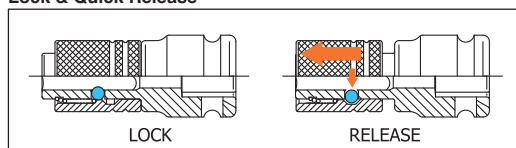
	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	Ⓢ
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

\*1 Pin/O-Ring=A21/B21  
 \*2 C-Ring=C31, Pin/O-Ring=A31/B31  
 \*3 C-Ring=C41, Pin/O-Ring=A41/B41  
 → P268-269

For DIN3126 E6.3 Bits  
 Für DIN3126 E6.3 Bits  
 Pour DIN3126 E6.3 Embouts



### Lock & Quick Release



**!** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

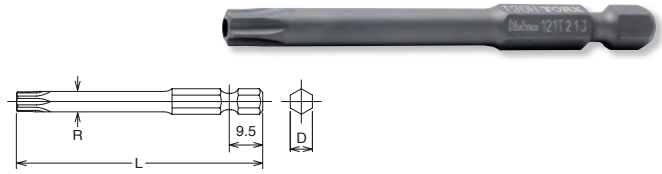
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

**TORXplus** is a registered trademark of CAMCAR Innovations.  
**TORXplus** ist ein registriertes Markenzeichen der Firma CAMCAR Innovations.  
**TORXplus** est une marque déposée de CAMCAR Innovations.

## 121T-70 / -100 (TH)

**!** Tamper-Resistant TORX® Bits  
 Tamper-Resistant TORX® Bits  
 Embouts TORX®, Tamper-Resistant

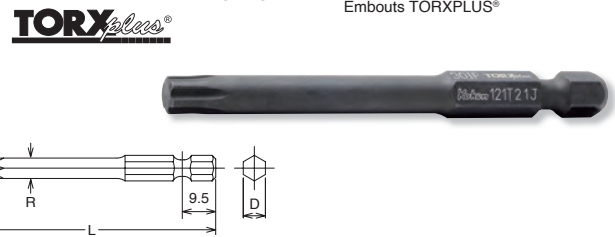


**!** Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.  
 Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

Les embouts TORX® à l'abri de manipulations sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

## 121T-50 / -70 (IP)

**!** TORXPLUS® Bits  
 TORXPLUS® Bits  
 Embouts TORXPLUS®



## 12137E 13137E 14137E

**!** Impact Bit Holder  
 Impact Klingenthaler  
 Porte embouts Impact



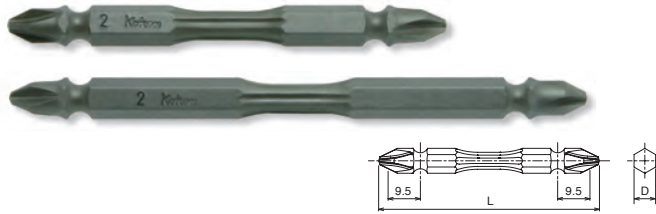
## 12142-F6.3 13142-F6.3 14142-F6.3

**!** Impact Bit Holder (Quick Release)  
 Impact Klingenthaler (Quick Release)  
 Porte embouts Impact (Quick Release)

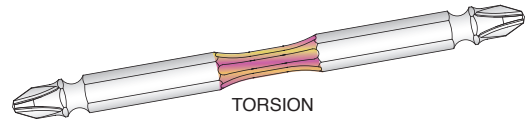


**123PT-75 / -100**

⊕ Double ended Torsion Bits, PH  
Doppelseitige Torsionsbits, PH  
Embouts torsion double face, PH



123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10

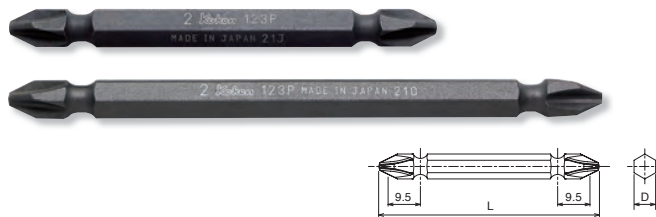


**123PN-75 / -100**

⊕ Double ended Bits, PH  
Doppelseitige bits, PH  
Embouts double face, PH

**123PG-75 / -100**

⊕ Magnetic type  
Magnetisch  
Type magnétique



123PN-75 123PG-75 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

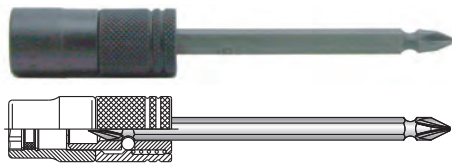
123PN-100 123PG-100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

**165LM**

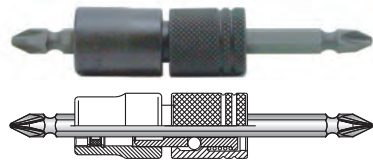
ⓂG Slide Socket with Magnet  
Gleitsteckschlüssel mit Magnet  
Clé à douille coulissante avec aimant



**Nut Setter**



**Phillips Bit**



165LM-45 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove. Ring magnet holds a bolt or nut for easy work.

Schieben Sie den Gleitsteckschlüssel durch Ziehen an der Hülse des Halters. Ziehen Sie das Werkzeug soweit zurück bis es sich in der Nut des Bits verriegelt. Zur Arbeitserleichterung hält der Ringmagnet die Schraube bzw. die Mutter.

Poussez la clé à douille coulissante en tirant sur le support. Tirez l'outil vers l'arrière jusqu'à ce qu'il s'enclenche dans rainure de la mèche. L'aimant maintient la vis ou l'écrou pour faciliter le travail.

⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Sie dürfen das Gleitteil nicht während der Bewegung halten, um Erwärmung durch Reibung und unnötigen Verschleiß zu vermeiden.

Ne pas tenir la partie coulissante pendant le mouvement pour éviter l'échauffement du au frottement et à l'usure inutile.

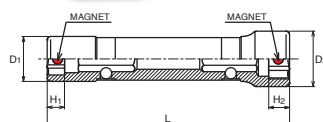
⚠ Please handle with care. The magnet could be broken with any impacts.

Der Magnet kann durch Stöße beschädigt werden. Bitte gehen Sie vorsichtig vor.

L'aimant peut être endommagé par des chocs importants. Veuillez procéder avec précaution.

**165BM**

ⓂG Double-sided socket with side magnets  
Doppelseitiger Schiebsteckschlüssel mit Seitenmagneten  
Clé à douille double face, coulissante avec aimants latéraux

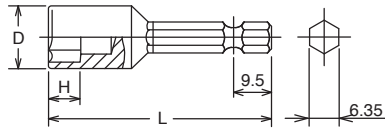


165BM-70 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8x10	13	16	5	6	70	55	10

165BM-80 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
10x12	16	19.1	6	8	80	80	10
10x13	16	20.5	8	8	80	80	10

165BM-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
10x12	16	19.1	8	8	100	95	10
10x14	16	21.5	8	10	100	105	10
12x14	19.1	21.5	8	10	100	130	10

## 113-50 Nut Setters Steckschlüssel Klingen Emboutis pour écrous

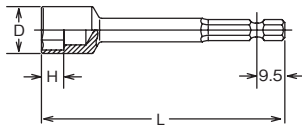


113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
11	16	8	50	28	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10



113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

## 113-75 / -100 / -150 / -200 / -250 Nut Setters Steckschlüssel Klingen Emboutis pour écrous



113-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10



113-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

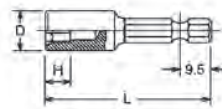
113-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113-50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

## 113-50 (E) Nut Setters, TORX® Steckschlüssel Klingen, TORX® Emboutis pour écrous, TORX®

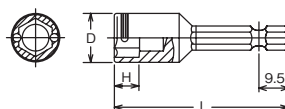


113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10




## 113-50 (2B) Nut Setters, with 2 Balls Steckschlüssel Klingen, mit 2-facher Kugelhalterung Douilles à billes de retenue Nut Grip®

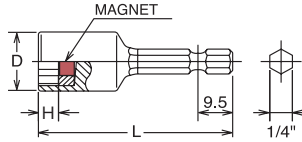
113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10



DIN3126 E6.3  
ISO1173 E6.3

1/4"

**115-50**  Nut Setters with Magnet  
Steckschlüssel Klängen mit Magnet  
Embouts avec aimant pour écrous



115-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
11	16	4.9	50	35	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10


115-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

**PK115/7** Nut Setters with Magnet, 7 pcs set in plastic case  
Steckschlüsselklängen mit Magnet, 7teiliger Satz in Kunststoffkassette  
Lames de clé à douille avec aimant, jeu de 7 pièces en cassette plastique

**PK115/7** 7 Pieces Set/△△=310g

PLASTIC CASE:W120xH115xT40mm


Nut Setters

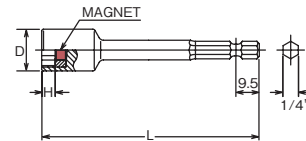
 **115-50 Nut Setter with Magnet**  
1/4, 3/8, 7, 8, 10, 12, 13



**115-75 / -100 / -150 / -200 / -250**



 Nut Setters with Magnet  
Steckschlüssel Klängen mit Magnet  
Embouts avec aimant pour écrous



115-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	5.6	100	58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

115-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

115-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



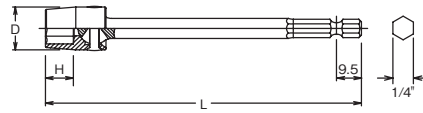
113UN-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

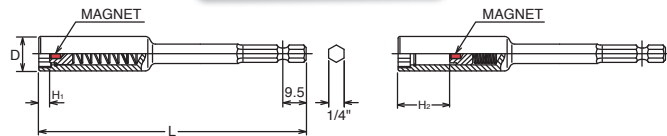
## 113UN-100 / -150 / -200

6-point Universal Joint Nut Setters  
6-kant Steckschlüsselklingen mit Gelenk  
Douilles 6-pans articulées à embout



## 115G-75 / -100 / -150 / -200 / -250 / -300

Nut Setters with sliding Magnet  
Steckschlüssel Klingen mit versenkbarem Magnet  
Embouts avec aimant, glissant pour écrous



115G-75 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

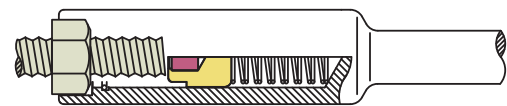
115G-100 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G-150 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G-200 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

115G-250 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10
13	18	6.5	25	250	150	10

115G-300 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
New 10	14.5	4.5	26	300	140	10
New 12	17	6	26	300	155	10



Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

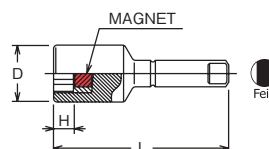
Die Steckschlüsselklinge mit versenkbarem Magnet bietet die Funktion eines Haltemagneten und genügend Freiraum für überstehende Bolzen. Dieses Werkzeug eignet sich vor allem für Montagearbeiten.

L'embout avec aimant glissant offre une fonction d'aimant et laisse assez d'espace pour des goujons surmontés. L'objet 115G a été conçu spécialement pour le travail d'assemblage.

119 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14.2	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

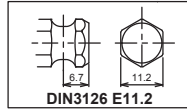
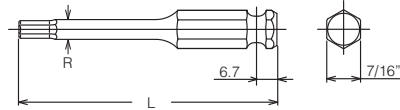
119 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14.2	4.2	50	30	10

119 Nut Setters with Magnet  
Steckschlüssel Klingen mit Magnet  
Embouts avec aimant pour écrous



## 183H-35 / -75 / -150

Hex Bits  
Sechskant Bits  
Embout, 6 pans creux



183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

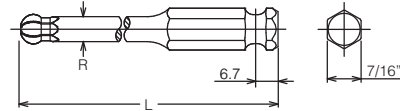
183H-35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

## 183H-75B / -150B

Ball-point Hex Bits  
Sechskant Bits mit Kugelkopf  
Embout hexagonal à tête sphérique

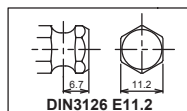
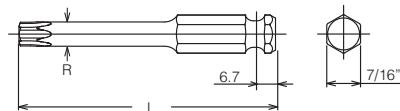


183H-75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	75	5.7	39	10
8B	75	7.7	44	10
10B	75	9.7	49	10
12B	75	11.7	72	10

183H-150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	150	5.7	65	10
8B	150	7.7	71	10
10B	150	9.7	92	10
12B	150	11.7	135	10

## 183T-35 / -75 / -150 (T)

TORX® Bits  
TORX® Bits  
Embout, TORX®



183T-35 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

The items with have larger output sizes than 7/16" Input drive.  
Due to this design the maximum output torque rating is less than standard.

Die mit gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.  
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".  
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

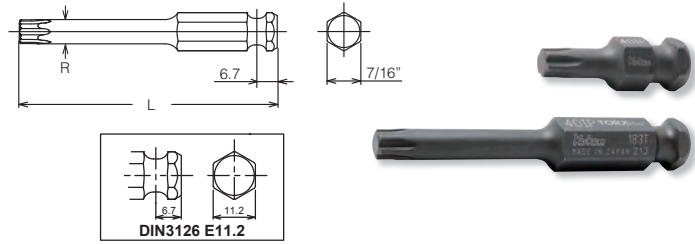
183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

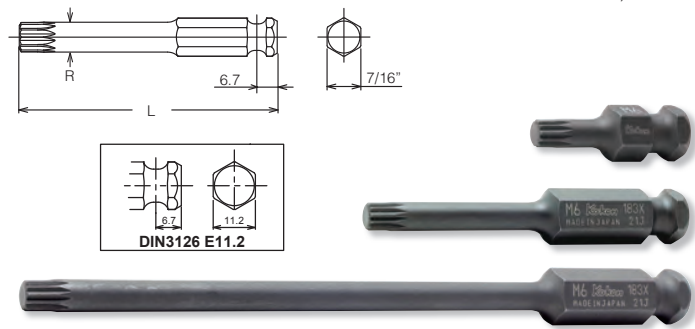
## 183T-35 / -75 (IP)

TORXPLUS® Bits  
TORXPLUS® Bits  
Embouts TORXPLUS®



## 183X-35 / -75 / -150 (XZN)

XZN Bits  
XZN Bits  
Embouts, XZN

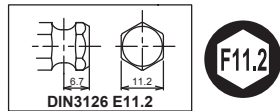


⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.  
Due to this design the maximum output torque rating is less than standard.  
Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.  
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.  
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".  
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

\*1 C-Ring=C32,Pin/O-Ring=A32/B32  
\*2 C-Ring=C41,Pin/O-Ring=A41/B41  
\*3 C-Ring=C61,Pin/O-Ring=A61/B61

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



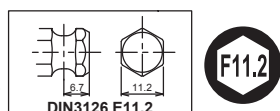
### 16134-SC

Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

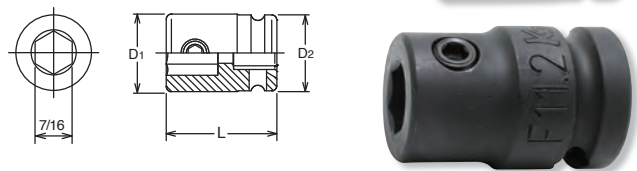
\*1 C-Ring=C32,Pin/O-Ring=A32/B32  
\*2 C-Ring=C41,Pin/O-Ring=A41/B41

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



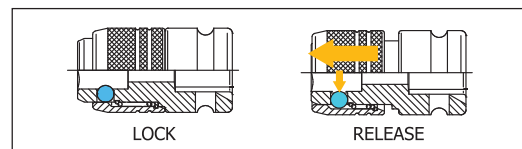
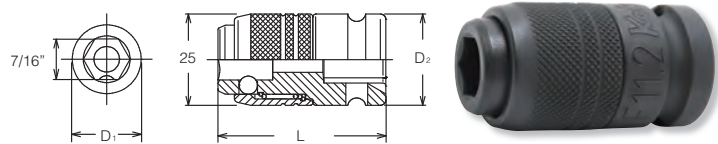
## 13134 14134 16134

Impact Bit Holder  
Impact Klingenthaler  
Porte embouts Impact



## 13142-F11.2 14142-F11.2

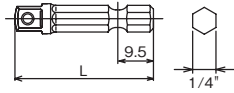
Impact Bit Holder (Quick Release)  
Impact Klingenthaler (Quick Release)  
Porte embouts Impact (Quick Release)



Adaptors with male Square  
 Verbindungsteile mit Aussenvierkant  
 Adaptateurs avec carré mâle

**110-35B / -50B / -75B / -100B / -150B / -200B**  
**-35P / -50P / -75P / -100P / -150P / -200P**

Adaptors  
 Verbindungsstücke  
 Adaptateurs

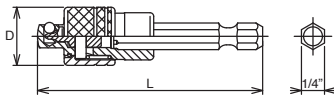


110	□	TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
New 75B		Ball	75	25	10
New 75P		Pin	75	25	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10
New 200B		Ball	200	73	10
New 200P		Pin	200	73	10

● DIN 3126 Form E 6.3

**110AL-62 / -100 / -150 / -200**

Adaptor (Quick Release)  
 Schnellwechsel-Verbindungsstück  
 Adaptateur autoserrant



110AL	□	D (mm)	L (mm)	(g)	(pcs.)
New 62	1/4"	16.2	62	37	10
New 100		16.2	100	52	10
New 150		16.2	150	72	10
New 200		16.2	200	92	10

● DIN 3126 Form E 6.3

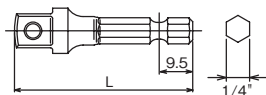
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

**112-50B / -75B / -100B / -150B / -200B**  
**-50P / -75P / -100P / -150P / -200P**

Adaptors  
 Verbindungsstücke  
 Adaptateurs



112	□	TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	21	10
50P		Pin	50	21	10
New 75B		Ball	75	46	10
New 75P		Pin	75	46	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10
New 200B		Ball	200	165	10
New 200P		Pin	200	165	10

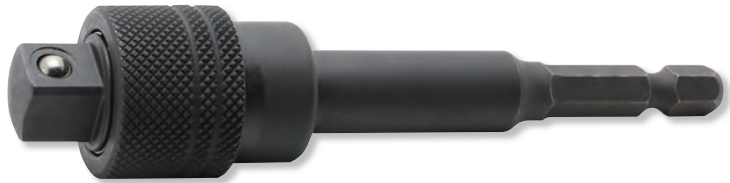
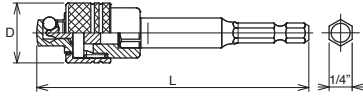
● DIN 3126 Form E 6.3




# Adaptors with male Square Verbindungsteile mit Aussenvierkant Adaptateurs avec carré mâle

Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

## 112AL Adaptor (Quick Release) Schnellwechsel-Verbindungsstück Adaptateur autoserrant



 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

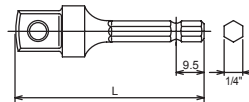
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.


Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

112AL		D (mm)	L (mm)	(g)	(pcs.)
<b>100</b>	<b>3/8"</b>	22	100	95	10

● DIN 3126 Form E 6.3

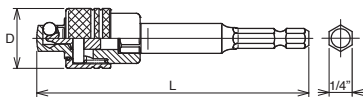
## 135E-60B / -60P Adaptor Verbindungsstück Adaptateurs




135E		TYPE	L (mm)	(g)	(pcs.)
<b>60B</b>	<b>1/2"</b>	Ball	60	46	10
<b>60P</b>		Pin	60	46	10

● DIN 3126 Form E 6.3


## 135AL Adaptor (Quick Release) Schnellwechsel-Verbindungsstück Adaptateur autoserrant



 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

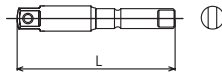
135AL		D (mm)	L (mm)	(g)	(pcs.)
<b>100</b>	<b>1/2"</b>	28	100	160	10

● DIN 3126 Form E 6.3

Adaptors with male Square  
Verbindungssteile mit Aussenvierkant  
Adaptateurs avec carré mâle

**117-50B / -100B**  
**-50P / -100P**

Adaptors  
Verbindungsstücke  
Adaptateurs

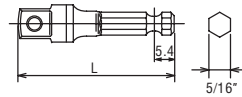


117	TYPE	L (mm)	(g)	(pcs.)
1/4"	50B	50	15	10
	50P	50	15	10
	100B	100	71	10
	100P	100	71	10

DIN 3126 Form G7

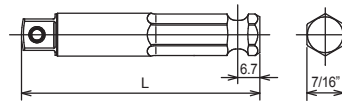
**120-50B / -50P**

Adaptor  
Verbindungsstück  
Adaptateurs



120	TYPE	L (mm)	(g)	(pcs.)
3/8"	50B	50	27	10
	50P	50	27	10

DIN 3126 Form E 8



**186-75P**

Adaptor  
Verbindungsstück  
Adaptateurs



186	TYPE	L (mm)	(g)	(pcs.)
3/8"	75P	75	65	10
	75P	75	85	10

DIN 3126 Form E 11.2

DIN3126 ISO1173 Bits	C6.3		C8		E6.3		E8		E11.2		G7	
	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
PH	108P series	166	100P series	168	121P series 123P series	170/172						
PZ			100P(PZ) series	168								
Slotted	108S series	166	100S series	168								
HEX	108H series	166	100H series	168	121H series	170			183H series	176		
HEX (Ball point)									183H-B series	176		
TORX® (T)	108T(T) series	166	100T(T) series	168	121T(T) series	170			183T(T) series	176		
TORX® (TH)	108T(TH) series	166	100T(TH) series	169	121T(TH) series	171						
TORXplus® (IP)					121T(IP) series	171			183T(IP) series	177		
XZN			100X series	169					183X series	177		
6-point					113 series 113UN series	173/175						
MG 6-point (with Magnet)					115 series 115G series	174-175					119 series	175
TORX® (E)					113(E) series	173						
ADAPTOR	108A	166			110 series 112 series 135 series	178-179	120 series	180	186 series	180	117 series	180
BIT HOLDER	2137 3137 4137 12139 13139 14139 13142-D6.3 14142-D6.3 180M	167	2138 3138 4138 12140 13140 14140	169	12137E 13137E 14137E 13142-F6.3 14142-F6.3	171			13134 14134 16134 13142-F11.2 14142-F11.2	177		