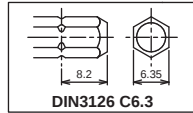


		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10

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



		D ₁ (mm)	D ₂ (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

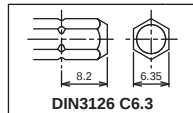
*1 Pin/O-Ring=A21/B21

*2 C-Ring=C31,Pin/O-Ring=A31/B31

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

→ P268-269

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



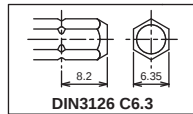
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

*1 C-Ring=C31,Pin/O-Ring=A31/B31

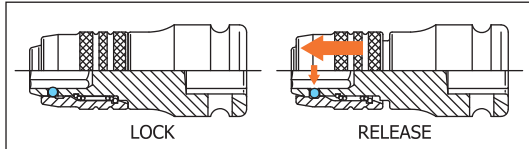
*2 C-Ring=C41,Pin/O-Ring=A41/B41

→ P268-269

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

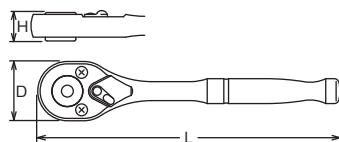
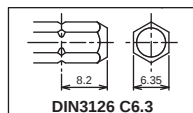


Lock & Quick Release

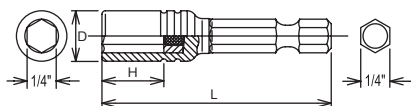


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1

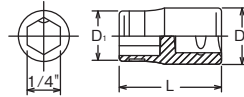
For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



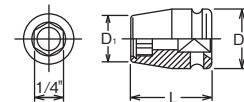
	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
180M-50	11	13.5	50	15	10



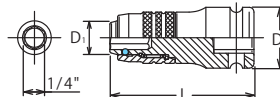
2137 ○ Bit Holder
Klingenhalter
Porte-embouts
3137 ○
4137 ○



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



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



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

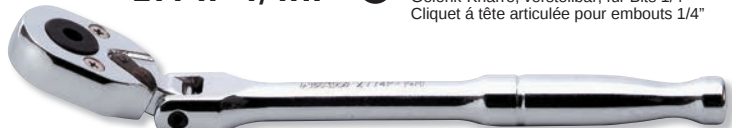
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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.

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"

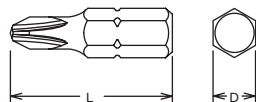


180M-50 ○ Bit Holder with Magnet
Klingenhalter mit Magnet
Porte-embouts avec aimant



100P-32 / -80 / -125

PH Bits
PH Bits
Embout, PH



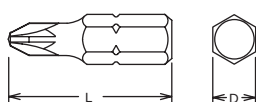
100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

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)

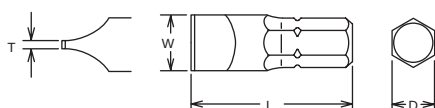
PZ Bits
PZ Bits
Embout, PZ



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
Embout, fente

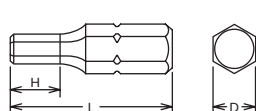


100S-32	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

100S-80	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H-32

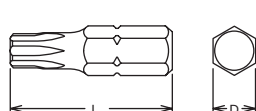
Hex Bits
Sechskant Bits
Embout, 6 pans creux



100H-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	8	6	32	11	10
4	8	6	32	11	10
5	8	6	32	12	10
6	8	8	32	12	10
7	8	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
Embout, TORX®



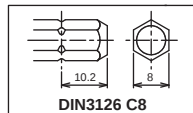
100T-32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

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

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

		D ₁ (mm)	D ₂ (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

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

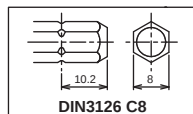


		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140	1/4"	14	13	25	15	10	*1
13140	3/8"	14	19	30	32	10	*2
14140	1/2"	14	25	35	62	10	*3

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

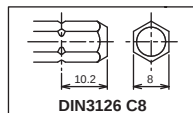
→ P268-269

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



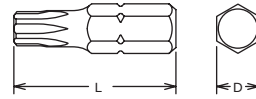
	D (mm)	H (mm)	L (mm)	(g)	(pce.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1

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



100T-32 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embout TORX®, Tamper-Resistant

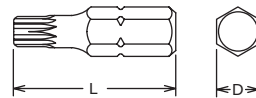


Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.
Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

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

100X-32 (XZN)

XZN Bits
XZN Bits
Embout, XZN



2138

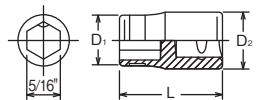
Bit Holder
Klingenhalter
Porte-embouts

3138

Bit Holder
Klingenhalter
Porte-embouts

4138

Bit Holder
Klingenhalter
Porte-embouts



12140

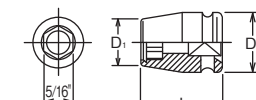
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

13140

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

14140

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



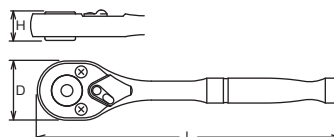
2749P-5/16HF

Reversible Ratchet, for Bits 5/16"
Knarre, verstellbar für Bits 5/16"
Cliquet, réversible pour embouts 5/16"

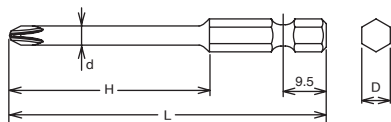


2774P-5/16HF

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


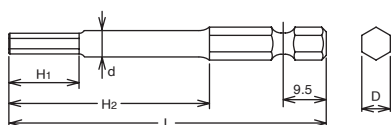
121P-50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	24	50	12	10
2	6.35	5.5	24	50	12	10
3	6.35	-	24	50	13	10

121P-70 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	44	70	15	10
2	6.35	5.5	44	70	15	10
3	6.35	-	44	70	16	10

121P-100 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	74	100	23	10
2	6.35	5.5	74	100	23	10
3	6.35	-	74	100	24	10

121P-150 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	124	150	30	10
2	6.35	5.5	124	150	35	10
3	6.35	-	124	150	36	10

121H-50 / -70 / -100 / -150

 Hex Bits
Sechskant Bits
Embouts, 6 pans creux


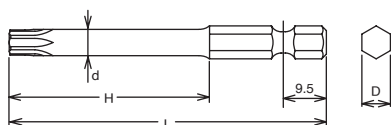
121H-50 (mm)	D (mm)	d (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	5	24	50	11	10
2.5	6.35	3	7.5	24	50	12	10
3	6.35	3.5	8.5	24	50	12	10
4	6.35	4.5	10	24	50	12	10
5	6.35	5.6	10	24	50	13	10
6	6.35	-	10	-	50	14	10

121H-70 (mm)	D (mm)	d (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	5	44	70	13	10
2.5	6.35	3	7.5	44	70	15	10
3	6.35	3.5	8.5	44	70	15	10
4	6.35	4.5	10	44	70	15	10
5	6.35	5.6	10	44	70	16	10
6	6.35	-	10	-	70	18	10

121H-100 (mm)	D (mm)	d (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	5	74	100	22	10
2.5	6.35	3	7.5	74	100	23	10
3	6.35	3.5	8.5	74	100	23	10
4	6.35	4.5	10	74	100	23	10
5	6.35	5.6	10	74	100	24	10
6	6.35	-	10	-	100	26	10

121H-150 (mm)	D (mm)	d (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
2	6.35	3.5	5	124	150	35	10
2.5	6.35	3.5	7.5	124	150	35	10
3	6.35	3.5	8.5	124	150	37	10
4	6.35	4.5	10	124	150	37	10
5	6.35	5.6	10	124	150	38	10
6	6.35	-	10	-	150	39	10

121T-50 / -70 / -100 / -150 (T)

 TORX® Bits
TORX® Bits
Embouts, TORX®


121T-50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	24	50	12	10
T15	6.35	3.5	24	50	12	10
T20	6.35	4.1	24	50	12	10
T25	6.35	4.6	24	50	12	10
T27	6.35	5.2	24	50	13	10
T30	6.35	5.7	24	50	13	10
T40	6.35	-	-	50	14	10

121T-70 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	44	70	16	10
T15	6.35	3.5	44	70	16	10
T20	6.35	4.1	44	70	16	10
T25	6.35	4.6	44	70	16	10
T27	6.35	5.2	44	70	17	10
T30	6.35	5.7	44	70	17	10
T40	6.35	-	-	70	18	10

121T-100 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	74	100	24	10
T15	6.35	3.5	74	100	24	10
T20	6.35	4.1	74	100	24	10
T25	6.35	4.6	74	100	24	10
T27	6.35	5.2	74	100	24	10
T30	6.35	5.7	74	100	25	10
T40	6.35	-	-	100	26	10

121T-150 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	124	150	35	10
T15	6.35	3.5	124	150	37	10
T20	6.35	4.1	124	150	37	10
T25	6.35	4.6	124	150	37	10
T27	6.35	5.2	124	150	37	10
T30	6.35	5.7	124	150	38	10
T40	6.35	-	-	150	39	10

121T-70 (TH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	44	70	15	10
T20H	6.35	4.1	44	70	16	10
T25H	6.35	4.6	44	70	16	10
T27H	6.35	5.2	44	70	17	10
T30H	6.35	5.7	44	70	17	10
T40H	6.35	-	-	70	18	10

121T-100 (TH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	74	100	22	10
T20H	6.35	4.1	74	100	24	10
T25H	6.35	4.6	74	100	24	10
T27H	6.35	5.2	74	100	24	10
T30H	6.35	5.7	74	100	25	10
T40H	6.35	-	-	100	26	10

121T-50 (IP)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	24	50	12	10
25IP	6.35	4.6	24	50	12	10
27IP	6.35	5.2	24	50	13	10
30IP	6.35	5.7	24	50	13	10
40IP	6.35	-	-	50	14	10

121T-70 (IP)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	44	70	16	10
25IP	6.35	4.6	44	70	16	10
27IP	6.35	5.2	44	70	17	10
30IP	6.35	5.7	44	70	17	10
40IP	6.35	-	-	70	18	10

		D ₁ (mm)	D ₂ (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

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

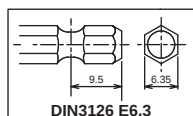
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

*1 Pin/O-Ring=A21/B21

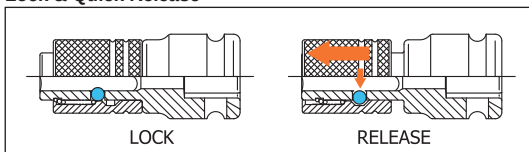
*2 C-Ring=C31, Pin/O-Ring=A31/B31

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

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.

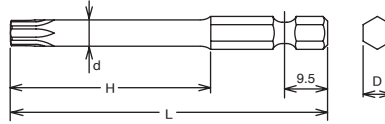
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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.

121T-70 / -100 (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.

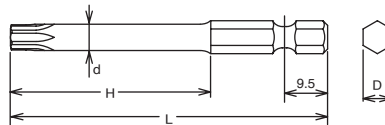
Les embouts TORX® à l'abri de manipulations sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

121T-50 / -70 (IP)



TORXPLUS® Bits
TORXPLUS® Bits
Embout TORXPLUS®

TORXplus



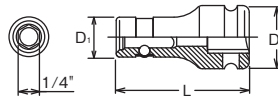
12137E

13137E

14137E



Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



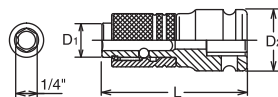
12142-F6.3

13142-F6.3

14142-F6.3

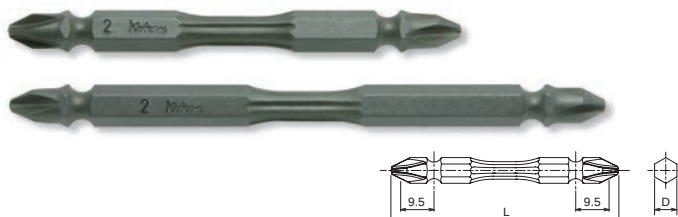


Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)



123PT-75 / -100

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

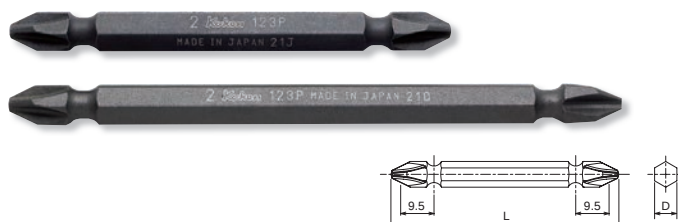


123PN-75 / -100

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

123PG-75 / -100

Magnetic type
Magnetisch
Type magnétique

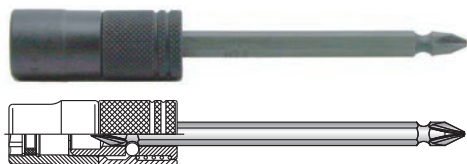


165LM

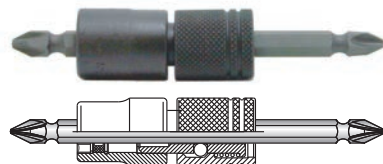
Slide Socket with Magnet
Gleitsteckschlüssel mit Magnet
Clé à douille coulissante avec aimant



Nut Setter

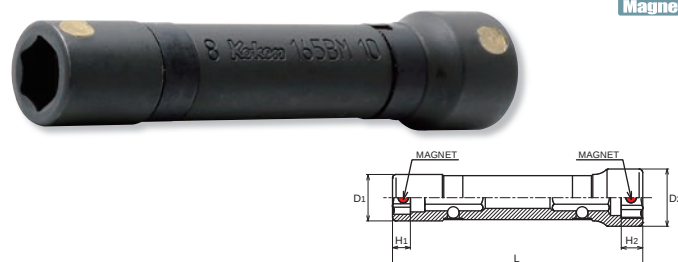


Phillips Bit

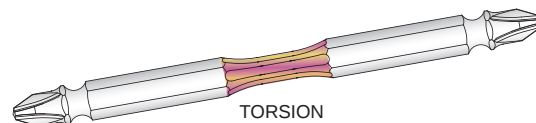


165BM

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



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



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-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.

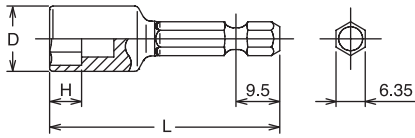
Der Magnet kann durch Stöße beschädigt werden. Bitte gehen Sie vorsichtig vor.

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

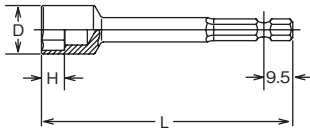
165BM-70 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8×10	13	16	5	6	70	55	10

165BM-80 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10×12	16	19.1	6	8	80	80	10
10×13	16	20.5	8	8	80	80	10

165BM-100 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10×12	16	19.1	8	8	100	95	10
10×14	16	21.5	8	10	100	105	10
12×14	19.1	21.5	8	10	100	130	10



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



113-75 (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

113-150 (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

113-250 (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 (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
12(2B)	16	8	50	28	10
13(2B)	18	8	50	31	10

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

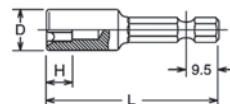
113-75 / -100 / -150 / -200 / -250



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

113-200 (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

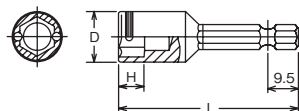
113-50 (E)



Nut Setters, TORX®
Steckschlüssel Klingen, TORX®
Embout pour écrous, TORX®



113-50 (2B)

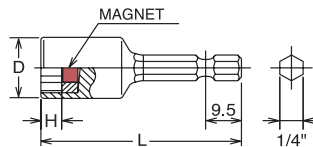


Nut Setters, with 2 Balls
Steckschlüssel Klingen, mit 2-facher Kugelhalterung
Douilles à billes de retenue
Nut Grip®

115-50



Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Emboutis 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
Steckschlüsselklingen 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:W120×H115×T40mm

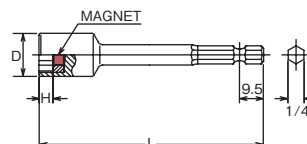
Nut Setters

MG 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 Klingen mit Magnet
Emboutis 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

115-150 (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

115-250 (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

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

115-200 (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

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 Gelen
Douilles 6-pans articulées à embout



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

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

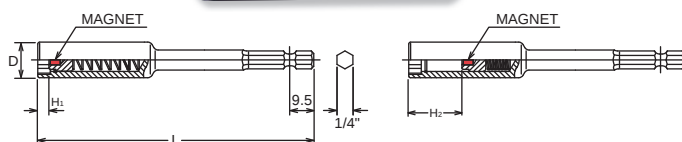


115G-75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

115G-100 (mm)	D (mm)	H ₁ (mm)	H ₂ (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

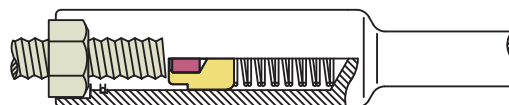
115G-150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G-200 (mm)	D (mm)	H ₁ (mm)	H ₂ (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 ₁ (mm)	H ₂ (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 ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14.5	4.5	26	300	140	10
12	17	6	26	300	155	10



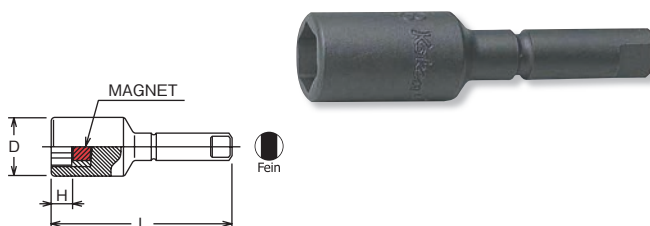
Sliding magnet system provides bolt clearance and magnetic function at the same time.
The item 115G is mainly designed for assembly line work.

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

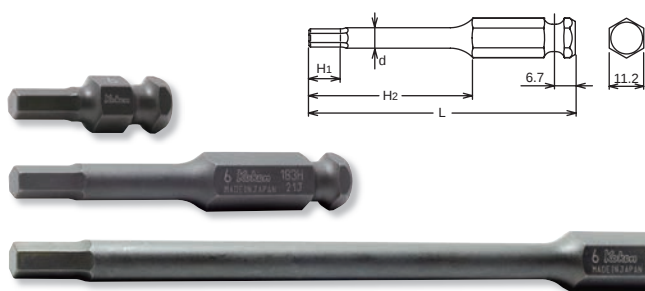
Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embout avec aimant pour écrous



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

183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux

183H-35 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3	6	18	35	15	10
4	8	18	35	15	10
5	10	18	35	15	10
6	12	18	35	18	10
7	12	18	35	19	10
8	12	18	35	20	10
9	14.8	18	35	23	10
10	15.6	18	35	26	10
11	17.1	18	35	28	10
12	-	18	35	30	10
14	-	18	35	35	10
16	-	18	35	47	10
17	-	18	35	50	10
18	-	18	35	53	10
19	-	18	35	56	10



183H-35 (inch)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/16	10	18	35	15	10
7/32	12	18	35	16	10
1/4	12	18	35	18	10
5/16	12	18	35	20	10
3/8	15.2	18	35	26	10
7/16	-	18	35	28	10
1/2	-	18	35	38	10



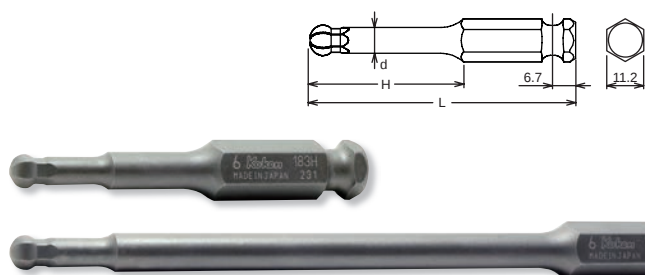
183H-75 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
3	8	42.5	75	6	34	10
4	8	42.5	75	6	35	10
5	10	42.5	75	6.5	36	10
6	12	42.5	75	7.5	39	10
7	12	42.5	75	8.5	44	10
8	12	42.5	75	9.5	47	10
10	15.5	42.5	75	-	57	10
11	15.5	42.5	75	-	60	10
12	-	42.5	75	-	65	10
14	-	42.5	75	-	79	10



183H-150 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
4	8	117.5	150	6	51	10
5	10	117.5	150	6.5	55	10
6	12	117.5	150	7.5	65	10
8	12	117.5	150	9.5	87	10
10	15.5	117.5	150	-	118	10
12	-	117.5	150	-	136	10



183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique

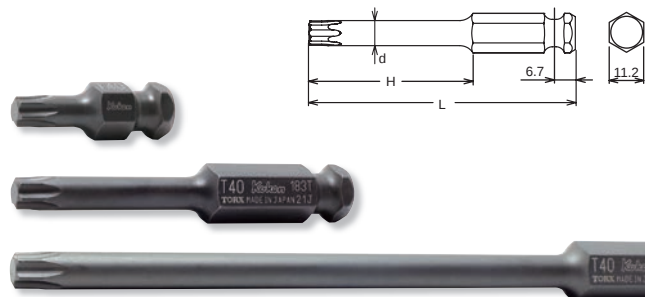
183H-75B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	42.5	75	5.7	39	10
8B	42.5	75	7.7	44	10
10B	42.5	75	9.7	49	10
12B	42.5	75	11.7	72	10



183H-150B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	117.5	150	5.7	65	10
8B	117.5	150	7.7	71	10
10B	117.5	150	9.7	92	10
12B	117.5	150	11.7	135	10



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

TORX® Bits
TORX® Bits
Embouts, TORX®

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



183T-75 (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T25	42.5	75	6	33	10
T27	42.5	75	6	33	10
T30	42.5	75	6	35	10
T40	42.5	75	6.9	37	10
T45	42.5	75	8	41	10
T50	42.5	75	9	45	10
T55	42.5	75	11.4	55	10
T60	42.5	75	13.5	67	10



183T-150 (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T30	117.5	150	6	50	10
T40	117.5	150	6.9	58	10
T45	117.5	150	8	70	10
T50	117.5	150	9	82	10
T55	117.5	150	11.4	113	10
T60	117.5	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)	H (mm)	L (mm)	(g)	(pcs.)
30IP	18	35	18	10
40IP	18	35	20	10
45IP	18	35	22	10
50IP	18	35	26	10
55IP	18	35	30	10
60IP	18	35	38	10

183T-75 (IP)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
30IP	42.5	75	6	35	10
40IP	42.5	75	6.8	37	10
45IP	42.5	75	8	41	10
50IP	42.5	75	9	45	10
55IP	42.5	75	11.4	56	10
60IP	42.5	75	13.5	67	10

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

183X-75 (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M 4	42.5	75	6	34	10
M 5	42.5	75	6	34	10
M 6	42.5	75	6.2	36	10
M 8	42.5	75	7.4	39	10
M10	42.5	75	9.8	54	10
M12	42.5	75	11.7	57	10
M14	42.5	75	13.5	67	10

183X-150 (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M 5	117.5	150	6	50	10
M 6	117.5	150	6.2	53	10
M 8	117.5	150	7.4	64	10
M10	117.5	150	9.8	93	10
M12	117.5	150	11.7	121	10
M14	117.5	150	13.5	151	10

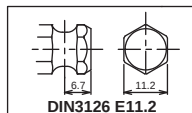
	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⌀
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

*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

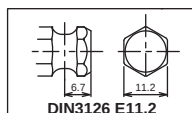
Replacement Screw : M8×6, ● 4mm
Ersatzschraube : M8×6, ● 4mm
Vis de remplacement : M8×6, ● 4mm

	□	D ₁ (mm)	D ₂ (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

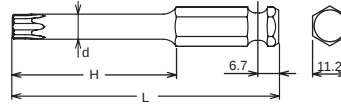


183T-35 / -75 (IP)

TORXplus



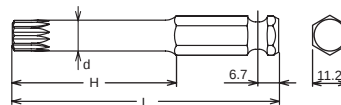
TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



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.

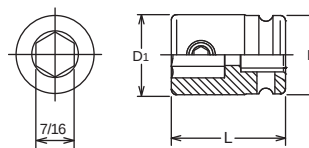
13134

14134

16134



Impact Bit Holder
Impact Klingenhälter
Porte embouts Impact

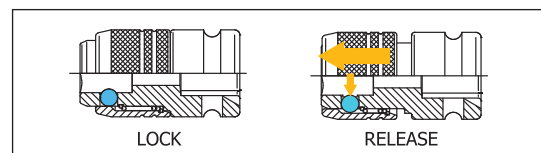
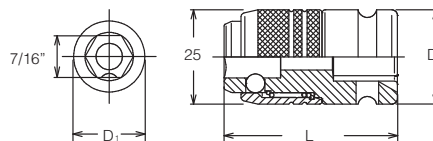


13142-F11.2

14142-F11.2



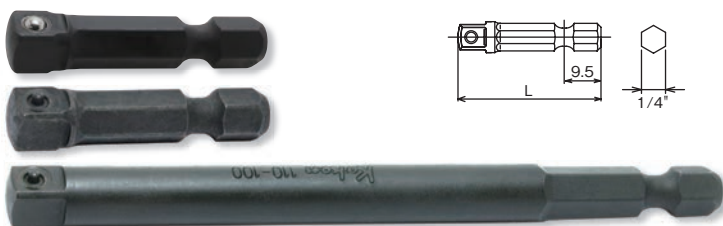
Impact Bit Holder (Quick Release)
Impact Klingenhälter (Quick Release)
Porte embouts Impact (Quick Release)



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
75B		Ball	75	25	10
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
200B		Ball	200	73	10
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.)
62	1/4"	16.2	62	37	10
100		16.2	100	52	10
150		16.2	150	72	10
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.

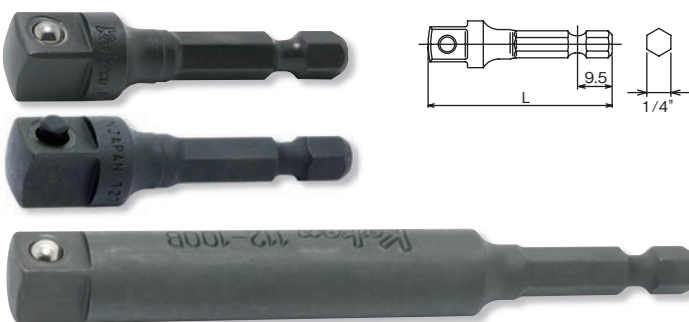
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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 / -75B / -100P / -150P / -200P

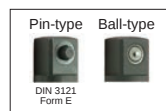


Adaptors
Verbindungsstücke
Adaptateurs



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

● DIN 3126 Form E 6.3

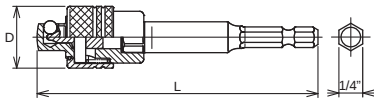


Adaptors with male Square Verbindungsteile mit Aussenvierkant Adaptateurs avec carré mâle

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.

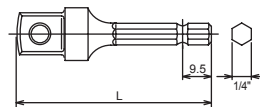
112AL		D (mm)	L (mm)	(g)	(pcs.)
100	3/8"	22	100	95	10

● DIN 3126 Form E 6.3

135E-60B / -60P



Adaptor
Verbindungsstück
Adaptateurs



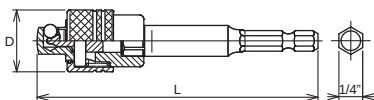
135E		TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	46	10
60P	1/2"	Pin	60	46	10

● 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.)
100	1/2"	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

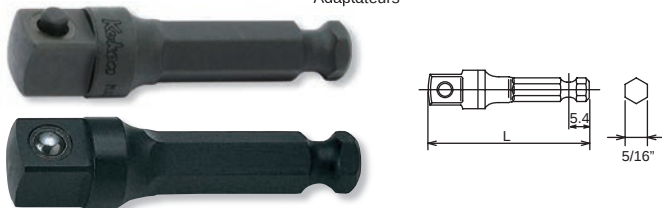


117		TYPE	L (mm)	(g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

● DIN 3126 Form G7

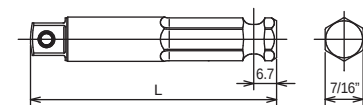
120-50B / -50P

Adaptor
Verbindungsstück
Adaptateurs



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

● DIN 3126 Form E 8



186-75P

Adaptor
Verbindungsstück
Adaptateurs



186		L (mm)	(g)	(pcs.)
75P	3/8"	75	65	10
75P	1/2"	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 (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		



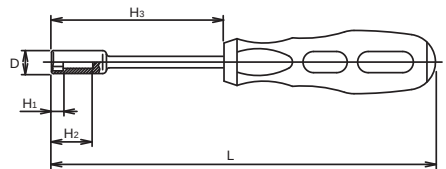
SCREWDRIVERS SCHRAUBENDREHER TOURNEVIS

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

167M / 167A



Socket Drivers
Sechskant Steckschlüssel, mit Griff
Clé à douille avec manche



167M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9	13.2	7.5	25	125	235	107	6
10	14.5	8	25	125	235	111	6
11	15.9	8.5	25	125	245	155	6
12	16.8	9	25	125	245	161	6
13	18.2	9.5	25	125	245	167	6
14	19.2	11	25	125	245	178	6

167A (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
1/4	9.1	6	25	125	225	70	6

167C (2B)

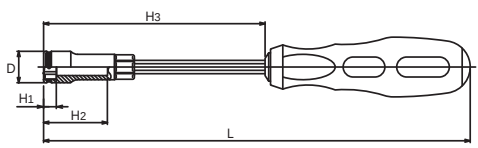


Interchangeable Socket Driver, **Nut Grip®**
Universalgriff mit auswechselbaren **Nut Grip®** Steckschlüsselklingen
Clé à douille interchangeable avec manche **NUT Nut Grip®**

167C/3-2B



Set 3 pieces
Satz 3teilig
Jeu de 3 tournevis



167C(2B) (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

167C/3-2B	4 Pieces Set/280g
PLASTIC BAG	
Socket Drivers	
Socket:	7, 8, 10
Grip:	167C-GRIP

168H-B

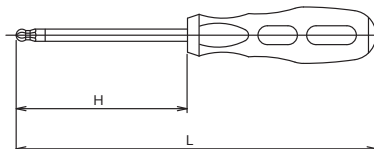


Ball Point Hex Screwdrivers
Schraubendreher Innensechskant mit Kugelkopf
Tournevis avec tête sphérique pour vis 6-pans creux



168H (mm)	H (mm)	L (mm)	(g)	(pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

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



168T (TH)

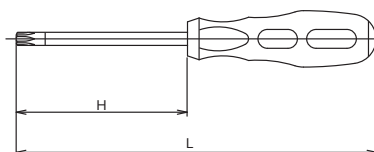


Screwdriver for TORX® Tamper Resistant
TORX® Schraubendreher Tamper-Resistant
Tournevis pour vis TORX® tamper resistant



168T (TH)	H (mm)	L (mm)	(g)	(pcs.)
T10H	80	150	25	6
T15H	80	150	25	6
T20H	125	225	60	6
T25H	125	225	60	6
T27H	125	235	90	6
T30H	125	235	92	6
T40H	125	245	153	6

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



168T/7-TH	(g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480



168T/7 (TH)



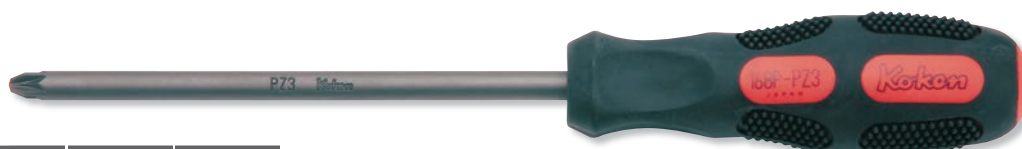
Set 7 pieces
Satz 7teilig
Jeu de 7 tournevis



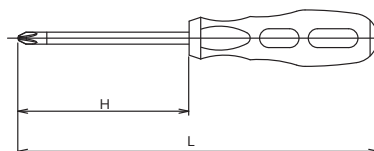
168P (PZ)



Pozidriv Screwdrivers
Schraubendreher, Pozidriv
Tournevis pour vis Pozidriv

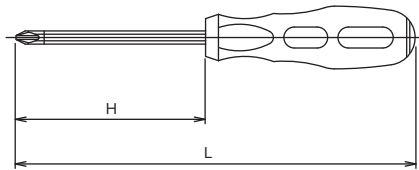
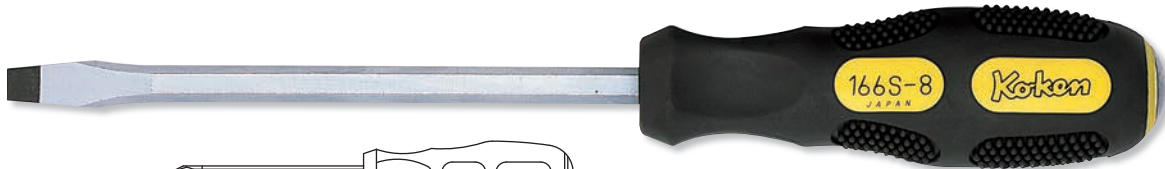


168P (PZ)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6



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

- 166P**  Screwdriver PH (Blade-Through type)
Kreuzschlitz Schraubendreher PH mit durchgehender 6-kant Klinge
Tournevis cruciforme PH avec lame hexagonale traversante
- 166S**  Slotted screwdriver (Blade-Through type)
Schlitz-Schraubendreher mit durchgehender 6-kant Klinge
Tournevis pour vis à fente avec lame hexagonale traversante



166P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (mm)	L (mm)	(g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6

- 166PS/6**   Set 6 pieces
Satz 6teilig
Jeu de 6 tournevis

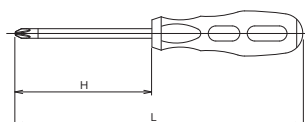


166PS/6	6 Pieces Set/△=885g
CARDBOARD BOX:W280×H115×T40mm	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	

- PK166PS/6**   Set 6 pieces in Plastic Box
Satz 6teilig in Plastikkassette
Module plastique des 6 tournevis



PK166PS/6	6 Pieces Set/△=950g
PLASTIC TRAY	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	



168P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	59	6
2	100	210	86	6
2(150)	150	260	100	6
2(200)	200	310	111	6
2(300)	300	410	133	1
3	150	270	150	6

168S	H (mm)	L (mm)	(g)	(pcs.)
5	75	175	59	6
6	100	210	86	6
6(150)	150	260	100	6
6(200)	200	310	111	6
6(300)	300	410	133	1
8	150	270	150	6

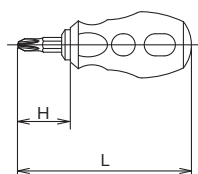
168PS/6 6 Pieces Set/△=660g

CARDBOARD BOX:W280×H115×T40mm

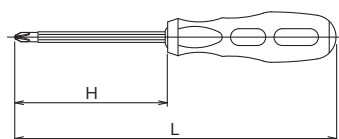
Screwdrivers
168P Screwdrivers 1, 2, 3 168S Screwdrivers 5, 6, 8

PK168PS/6 6 Pieces Set/△=720g

Screwdrivers
168P Screwdrivers 1, 2, 3 168S Screwdrivers 5, 6, 8



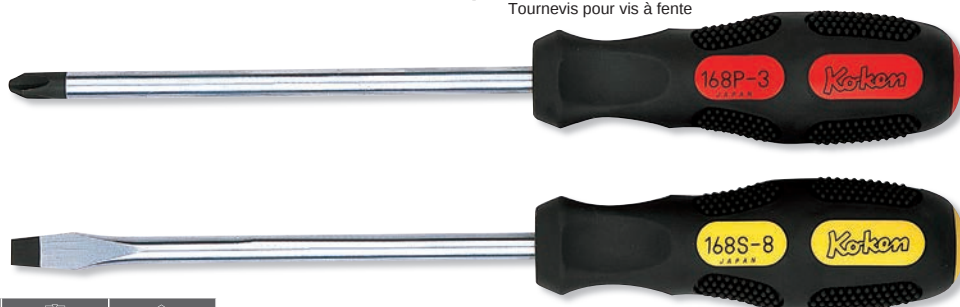
168CS	H (mm)	L (mm)	(g)	(pcs.)
2×6	22	86	46	6



168C	H (mm)	L (mm)	(g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6

168P + Screwdriver, PH
Schraubendreher, PH
Tournevis à zone de frappe, PH

168S - Slotted Screwdriver
Schlitz-Schraubendreher
Tournevis pour vis à fente



168PS/6 + - Set 6 pieces
Satz 6teilig
Jeu de 6 tournevis



PK168PS/6 + - Set 6 pieces in Plastic Box
Satz 6teilig in Plastikkassette
Module plastique des 6 tournevis



168CS + - Interchangeable Screwdriver, Stubby
Schraubendrehergriff für auswechselbare Klinge, kurz
Poignée porte-lames reversible, court

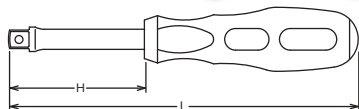


168C + - Interchangeable Screwdriver
Schraubendrehergriff für auswechselbare Klingen
Poignée porte-lames reversible



2769N-150 / -220

Spin Type Handle
Drehgriff
Poignée emmanchée



2769N		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2



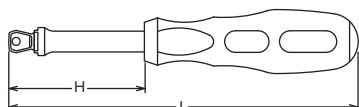
Plastic or rubber handles are not intended to act as insulation.

Plastik- oder Gummigriffe stellen keinen Isolierschutz dar.

Les poignées en plastique ou en caoutchouc ne garantissent aucune isolation électrique.

2769NWF-150 / -220

Spin Type Handle (Wobble-Fix)
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire



2769NWF		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

Wobble-Fix Extension Bar

Two way usage

- a) In a fixed position, as a normal extension bar
- b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation

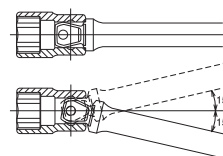
Winkel-Verlängerungen

- Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
- a) voll eingesteckt und starr,
- b) halb eingesteckt, mit einem Arbeitswinkel von 15°.

Rallonges angulaires

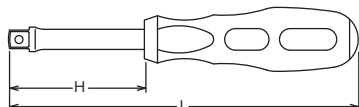
Deux utilisations possibles

- a) comme rallonge normale, dans une position fixe
- b) comme une rallonge angulaire avec une possibilité d'inclinaison jusqu'à 15°



3769N-160 / -230

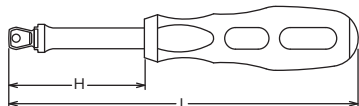
Spin Type Handle
Drehgriff
Poignée emmanchée



3769N		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

3769NWF-160 / -230

Spin Type Handle (Wobble-Fix)
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire



3769NWF		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

IMPACT

SOCKETS
STECKSCHLÜSSEL
DOUILLES

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

3-1/2"



Impact Sockets

Impact Steckschlüssel

Douilles Impact

Impact Sockets			Square Drive																	
			1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			5/8"(15.9mm)SQ.			3/4"(19mm)SQ.					
			No.	Page		No.	Page		No.	Page		No.	Page		No.	Page				
		6-point	12400M	mm	190	13400M	mm	194	14400M	mm	212	15400M	mm	232	16400M	mm	234			
		6-point (Thin-walled)	12400A	inch	190	13400A	inch	194	14400A	inch	212	15400A	inch	232	16400A	inch	234			
		6-point (with Magnet)	12400MG	mm	190	13400MG	mm	196	14400MG	mm	214				16401M	mm	235			
		12-point	12400AG	inch	190	13400AG	inch	196	14401M	mm	213				16401A	inch	235			
		12-point (Thin-walled)				13405M	mm	194	14405M	mm	212				16405M	mm	234			
		12-point (Thin-walled)				13405A	inch	194	14405A	inch	212				16405A	inch	234			
		Surface				13406M	mm	195	14406M	mm	213									
		Surface				13406A	inch	195	14406A	inch	213									
		PATHFINDER®	12410M	mm	190	13410M	mm	196	14410M	mm	214	15410M	mm	232	16410M	mm	235			
		TORX® (E)	12465M	mm	191	13465M	mm	197	14465M	mm	215									
		TORXplus® (EP)	12425	TORX®	191	13425	TORX®	198	14425	TORX®	215				16425	TORX®	236			
		TORXplus® (EPR)				13425EG	TORXplus®	198												
		TORXplus® (EPL)				13425-EPL	TORXplus®	198	14425-EPL	TORXplus®	215				16425-EPL	TORXplus®	236			
		TORXplus® (EPRL)				13425-EPRL	TORXplus®	198												
		LH-S				13401LH	LH-STIX®	199	14401LH	LH-STIX®	214									
	for Self Tapping Screws	12460M	mm	191	13460M	mm	197													
	for Self Tapping Screws (with Magnet)	12460A	inch	191	13460A	inch	197													
	Double Square	12460MG	mm	191	13460MG	mm	197													
	Double Square	12460AG	inch	191	13460AG	inch	197													
	Double Square							14415M	mm	215										
	for Weld Nut																			
	for Weld Nut				13400-WN		199	14400-WN		215										
		6-point (Thin-walled)				13401MS	mm	196	14401MS	mm	214									
		6-point (Thin-walled)																		
		6-point (Thin-walled)				13301X	mm	199	14301X	mm	216				16301X	mm	236			
		6-point (with Slide Magnet)				13300XG	mm	200												
		6-point	12300M	mm	192	13300M	mm	200	14300M	mm	216	15300M	mm	233	16300M	mm	237			
		6-point (Thin-walled)				13300A	inch	200	14300A	inch	216				16300A	inch	237			
		6-point (Thin-walled)				13301M	mm	200	14301M	mm	217				16301M	mm	238			
		6-point (Thin-walled)				13301A	inch	200	14301A	inch	217				16301A	inch	238			
		6-point (with Slide Magnet)	12300G	mm	192	13300G	mm	201	14300G	mm	218									
		12-point				13305M	mm	201	14305M	mm	217				16305M	mm	237			
		12-point (Thin-walled)				13306M	mm	201	14306M	mm	217									
		Surface				13310M	mm	201	14310M	mm	218	15310M	mm	233	16310M	mm	238			
	PATHFINDER®	12365M	mm	192	13365M	mm	201	14365M	mm	218										
	TORX® (E)				13325	TORX®	202	14325	TORX®	218				16325	TORX®	238				
		6-point				13145M	mm	203	14145M	mm	220									
		6-point (with Magnet)				13145MG	mm	203	14145MG	mm	220									
		12-point				13145M(12P)	mm	204												
		6-point				13440M	mm	202	14440M	mm	219									
		6-point (Extension)				13440A	inch	202	14440A	inch	219									
		TORX® (E)				13146M	mm	204	14146M	mm	221									
	TORX® (E)				13440T	TORX®	202													
		Hexagon				13012M	mm	205	14012M	mm	222									
		TORX® (T)				13025	TORX®	205	14025	TORX®	222									
		Hexagon				13134M	mm	208	14134M	mm	225				16106-16	mm	239			
		TORX® (T)				13134T(T)	TORX®	208	14134T(T)	TORX®	225				16107-22	mm	241			
		TORXplus® (IP)				13134T(IP)	TORXplus®	208	14134T(IP)	TORXplus®	225				16106-16(T)	TORX®	239			
		XZN (Triple Square)				13134X(XZN)	XZN	208	14134X(XZN)	XZN	225				16106-16(XZN)	XZN	239			
		Hexagon				13430M	mm	202												
		Hexagon (Extension)				13147M	mm	204	14147M	mm	221									
	Extension Bars	12760		193	13760		210	14760		228				16760		241				
	Universal Joints	12770		193	13770		211	14770		229			15770		233	16770				
					13771		211	14771		229						16771				
	Adaptors	12233A		193	13322A		211	14433A		229	15544A		233	16644A		242				
	Locking Adaptors				13344A		211	14455A		229	15566A		233	16655A		242				
					13333WA		210	14466A		229				16688A		242				
								14444WA		228						242				
					12222AL		193	13333AL		210	14444AL		228	16666AL		242				
								14466AL		228	15555AL		233	16644AL		242				

Impact Sockets		Square Drive											
		1"(25.4mm)SQ.			1.1/2"(38.1mm)SQ.			2.1/2"(63.5mm)SQ.			3.1/2"(88.9mm)SQ.		
		No.		Page	No.		Page	No.		Page	No.		Page
 Standard Sockets	 6-point	18400M	mm	244	17400M	mm	254	19400M	mm	258	10400M	mm	260
	 6-point (Thin-walled)	18401M	mm	245	17400A	mm	254	19400A	mm	258	10400A	mm	260
	 6-point (with Magnet)	18401A	mm	245									
	 12-point	18405M	mm	245	17405M	mm	255						
	 12-point (Thin-walled)	18405A	mm	245	17405A	mm	255						
	 Surface	18410M	mm	246									
	 PATHFINDER®												
	 TORX® (E)												
	 TORXplus® (EP)												
	 TORXplus® (EPR)												
	 LH-S												
	 for Self Tapping Screws												
	 for Self Tapping Screws (with Magnet)												
	 Double Square												
	 for Weld Nut												
 Short Sockets	 6-point (Thin-walled)												
 Semi Deep Sockets	 6-point (Thin-walled)	18301X	mm	247									
	 6-point (with Slide Magnet)												
 Deep Sockets	 6-point	18300M	mm	247	17300M	mm	255	19300M	mm	259			
	 6-point (Thin-walled)	18301M	mm	248	17300A	mm	255						
	 6-point (Thin-walled)	18301A	mm	248									
	 6-point (with Slide Magnet)												
	 12-point												
	 12-point (Thin-walled)												
	 Surface	18310M	mm	248									
	 PATHFINDER®												
 Extension Sockets	 TORX® (E)												
	 6-point	18104M	mm	248									
	 6-point (with Magnet)												
 Universal Sockets	 12-point												
	 6-point												
	 6-point (Extension)												
 Bit Sockets	 TORX® (E)												
	 Hexagon												
 Bit Sockets (Bit changeable)	 TORX® (T)												
	 Hexagon	18106-16	mm	249	17108-32	mm	256						
	 TORXplus® (IP)	18107-22	mm	251									
	 TORXplus® (IP)	18108-32	mm	252									
 Universal Bit Sockets	 18106-16(T) TORX®			249									
	 XZN (Triple Square)	18106-16(XZN)	XZN	249									
	 Hexagon												
 Extension Bars	 Hexagon (Extension)												
		18760		252	17760		257	19760		259			
 Universal Joints		18770		253	17770		257	19770		259			
		18771		253									
 Adaptors		18866A		253	17788A		257	19977A		259	10099A		260
		18877A		253	17799A		257						
 Locking Adaptors		18888AL		253									

Impact Sockets Impact Steckschlüssel Douilles Impact

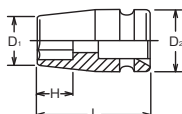
1/4"

12400M / 12400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®



12400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

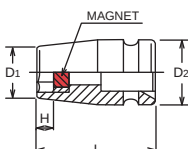
*1 Pin/O-Ring=A21/B21 → P269

12400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12400MG / 12400AG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant



12400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

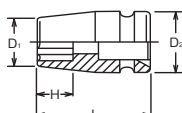
*1 Pin/O-Ring=A21/B21 → P269

12410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE



12410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

*1 Pin/O-Ring=A21/B21 → P269

SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear. These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminiumschrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

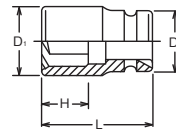
Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

12465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P269



12465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder



PATHFINDER®

The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

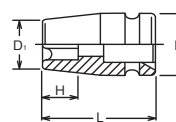
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschrauberschrauber) ganz besonders auswirkt.

Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les chaînes de montage automatiques.

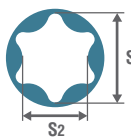
12425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



TORX® (E)



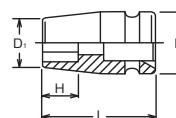
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

12460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12460M / 12460A For Self-Tapping Screws Für selbstschneidende Schrauben Pour vis auto-taraudeuses



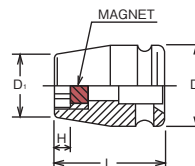
Socket for Self-Tapping Screws without infeed slope.

Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

12460MG / 12460AG

With Magnet for Self-Tapping Screws
mit Magnet für selbstschneidende Schrauben
avec aimant pour vis auto-taraudeuses



Socket with Magnet for Self-Tapping Screws without infeed slope.

Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

12460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=A21/B21 → P269

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

Impact Sockets

Impact Steckschlüssel

Douilles Impact

1/4"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

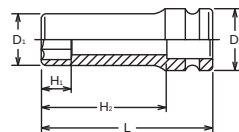
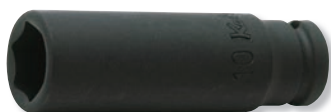
MOTORCYCLE

CONSTRUCTION

SPARE PART

12300M

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

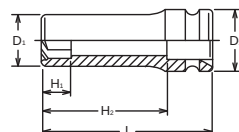


12300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder

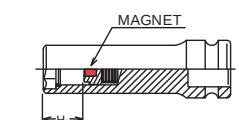
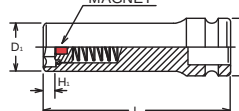


12365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12300G

Impact Socket with Sliding Magnet, deep
Impact Steckschlüssel mit versenkbarem Magnet, lang
Douilles Impact avec aimant, glissant pour écrous, longues



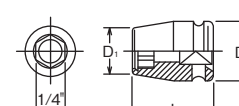
12300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
7	11.3	13	3.5	25	48	30	10	*1
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=A21/B21 → P269



12139

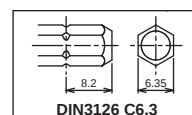
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



12139-1/4	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	11	13	25	15	10	*1

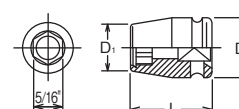
*1 Pin/O-Ring=A21/B21 → P269

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



12140

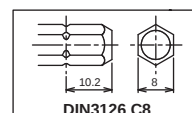
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



12140-5/16	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	14	13	25	15	10	*1

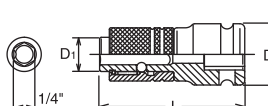
*1 Pin/O-Ring=A21/B21 → P269

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



12142-F6.3

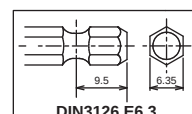
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



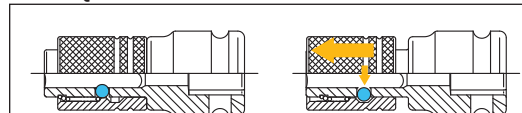
12142-F6.3	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	40	22	10	*1

*1 Pin/O-Ring=A21/B21 → P269

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



Lock & Quick Release

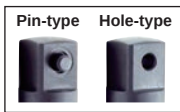


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
12760-55P	Pin	13	8.2	55	26	10	*1
12760-75P	Pin	13	8	75	45	10	*1
12760-100P	Pin	13	8	100	50	10	*1
12760-150P	Pin	13	8	150	60	10	*1
12760-200P	Pin	13	8	200	80	10	*1

	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	8.2	55	26	10	*1
12760-75	Hole	13	8	75	45	10	*1
12760-100	Hole	13	8	100	50	10	*1
12760-150	Hole	13	8	150	60	10	*1
12760-200	Hole	13	8	200	80	10	*1

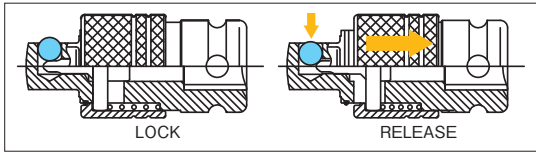
*1 Pin/O-Ring=A21/B21 → P269



	D (mm)	L (mm)	(g)	(pcs.)	
12222AL	16	35	30	10	*1

*1 Pin/O-Ring=A21/B21 → P269

Lock & Quick Release



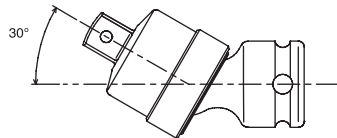
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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.

	TYPE	L (mm)	(g)	(pcs.)	
12770-P	Pin	39	30	10	*1
12770	Hole	39	30	10	*1

*1 Pin/O-Ring=A21/B21 → P269



Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

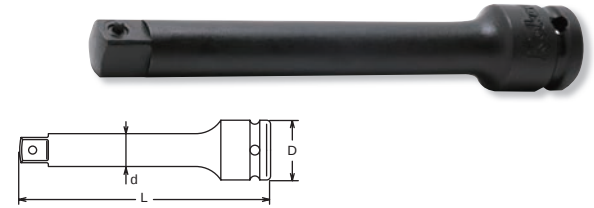
Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu'à un angle de 30° maximum.

	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A-P	Pin	1/4"	3/8"	22	15	10	*1
12233A-B	Ball	1/4"	3/8"	22	15	10	*1
12233A	Hole	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=A21/B21 → P269

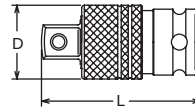
12760

Extension Bars
Verlängerungen
Rallonges



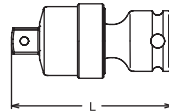
12222AL

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant



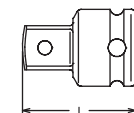
12770

Universal Joint
Gelenk-Einsatz
Joint articulé



12233A

Adaptor
Verbindungsstück
Augmentateur



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

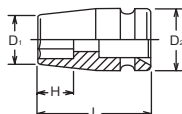
13400M / 13400A



6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®



13400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

→ P268-269

*2 C-Ring=C32, Pin/O-Ring=A32/B32

13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

→ P268-269

*2 C-Ring=C32, Pin/O-Ring=A32/B32

RS13400M/11



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

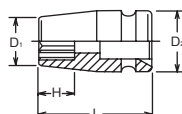


RS13400M/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		630

13405M / 13405A



12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



13405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

→ P268-269

*2 C-Ring=C32, Pin/O-Ring=A32/B32

13405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

→ P268-269

*2 C-Ring=C32, Pin/O-Ring=A32/B32

3/8"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

13401M / 13401A

6-point Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

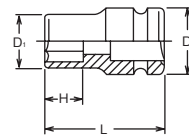


13401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269



13401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		505

RS13401M/9



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



13406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

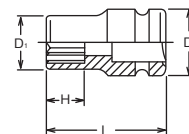
*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13406M / 13406A

12-point Socket, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans



13406A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS

ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

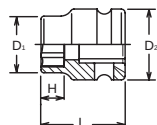
MOTORCYCLE

CONSTRUCTION

SPARE PART

13401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, a paroi mince



13401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

RS13401MS/11

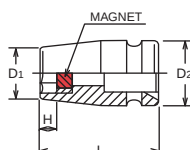
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



RS13401MS/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		400

13400MG / 13400AG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant



13400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

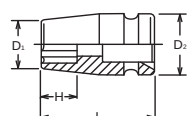
*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



13410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

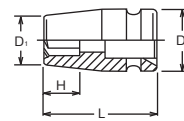
→ P268-269



13465M



Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



13460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

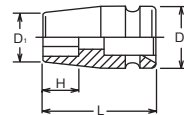
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13460M / 13460A



For Self-Tapping Screws
Für selbstschneidende Schrauben
Pour vis auto-taraudeuses



Socket for Self-Tapping Screws without infeed slope.

Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

13460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

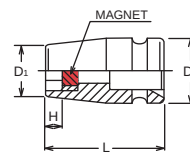
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13460MG / 13460AG



Sockets with magnets for Self-Tapping Screws
Steckschlüssel mit Magnet für selbstschneidende Schrauben
Douilles avec aimant pour vis auto-taraudeuses



Socket with Magnet for Self-Tapping Screws without infeed slope.

Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

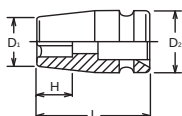
AUTOMOTIVE

MOTORCYCLE

CONSTRUCTION

SPARE PART

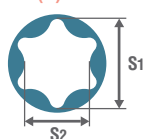
13425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



13425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E11	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

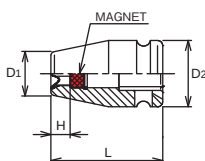
*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

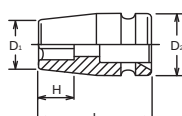
13425EG TORX® Sockets with Magnet TORX® Steckschlüssel mit Magnet Douilles TORX® avec aimant



13425EG (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

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

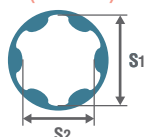
13425 (EPL) TORXplus® Sockets TORXplus® Steckschlüssel Douilles TORXplus®



13425 (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
7EPL	11.2	19	4.5	32	44	10	*1
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

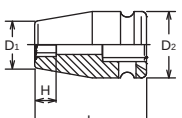
*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

TORXplus® (EP/EPL)



EP/EPL	7EP	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S ₁ (ref. mm)	6.1	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	4.7	5.7	7.1	8.5	9.8	11.2	12.7	14.0	15.4	16.8	18.2	19.6	20.9	22.3

13425 (EPRL) TORXplus® Tamper-Resistant TORXplus® Sockets Tamper-Resistant TORXplus® Steckschlüssel Douilles Tamper-Resistant TORXplus®



13425 (EPRL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPRL	12.2	19	6.2	32	44	10	*1
12EPRL	14.2	19	7.2	32	44	10	*1
14EPRL	17.2	19	8.1	32	46	10	*1

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

13401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

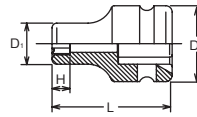
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

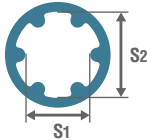
13401LH



LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



LHSTIX®



LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S ₁	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

13400-WN	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

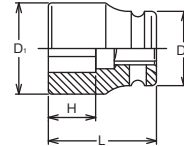
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

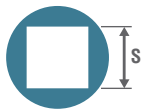
13400-WN



Weld Nut Sockets
Steckschlüssel für Schweissmuttern
Douilles pour écrou à souder



WN



WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

13301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	6	36.5	50	35	10	*1
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	21.5	15	35.5	50	75	10	*2
16	22.3	21.5	16	35.5	50	78	10	*2
17	23.5	21.5	17	35.5	50	82	10	*2
18	24.8	21.5	18	34.5	50	86	10	*2
19	26	21.5	19	34.5	50	93	10	*2
21	28.5	21.5	21	34.5	50	104	10	*2
22	29.8	21.5	22	33.5	50	110	10	*2
23	31	21.5	23	33.5	50	115	10	*2
24	32.3	21.5	24	32.5	50	120	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

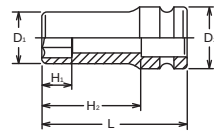


FLAT DRIVE®

13301X



6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans



RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710

RS13301X/9



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



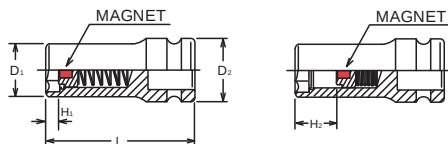
Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

13300XG



Impact semi-deep socket with Sliding Magnet
Impact Steckschlüssel mittel lang mit versenkbarem Magnet
Douilles semi-longues avec aimant glissant pour écrous



13300XG (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

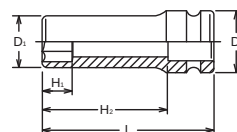
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13300M / 13300A



6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



13300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

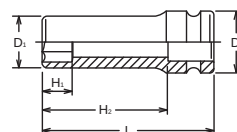
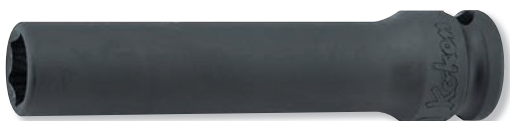
→ P268-269

13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2
23	31.9	22	23	63.5	80	238	10	*2
24	33.2	22	24	63.5	80	242	10	*2

13301M / 13301A



6-point Deep Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig, lang
Douilles à paroi mince longues, 6-pans



13301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2
24	32.3	21.5	24	63.5	80	216	10	*2

13305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13306M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

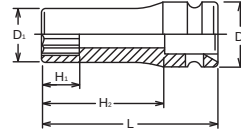
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

13305M



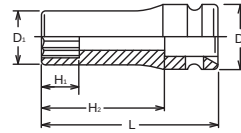
12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



13306M



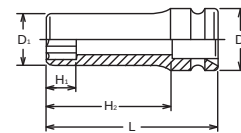
12-point Deep Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig, lang
Douilles à paroi mince longues, 12-pans



13310M



Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

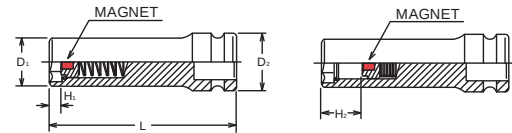


SURFACE DRIVE

13300G



Impact Socket with Sliding Magnet, deep
Impact Steckschlüssel mit versenkbarem Magnet, lang
Douilles Impact avec aimant, glissant pour écrous, longues

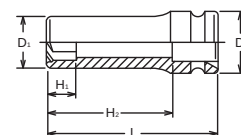


SLIDE MAGNET

13365M



Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder



PATHFINDER®

Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

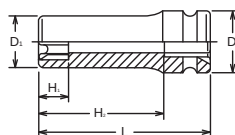
MOTORCYCLE

CONSTRUCTION

SPARE PART

13325

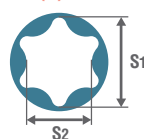
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



13325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

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

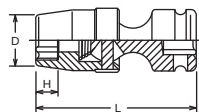
TORX®
(E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

13440M / 13440A

Universal Sockets
Gelenk-Einsätze
Douilles universelles



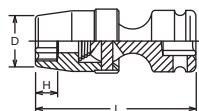
13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	135	10	*2
11	17	6	57	135	10	*2
12	18.3	6	57	135	10	*2
13	19.5	6	57	135	10	*2
14	20.8	7	59	140	10	*2
15	22	7	59	140	10	*2
16	23.3	8	59	140	10	*2
17	24.5	8	59	140	10	*2
18	25.8	9	61	150	10	*2
19	27	10	61	153	10	*2
20	29.5	10	61	157	10	*2
21	30.7	14	66	205	10	*2
22	32	13	66	210	10	*2
24	34.5	13	68	236	10	*2

13440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/8	15.8	5	57	135	10	*2
7/16	17	6	57	135	10	*2
1/2	19.5	6	57	135	10	*2
9/16	20.8	7	59	140	10	*2
5/8	23.3	8	59	140	10	*2
11/16	24.5	8	59	140	10	*2
3/4	27	10	61	153	10	*2

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

13440T

TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles universelles TORX®

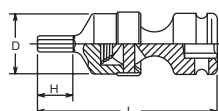


13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

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

13430M

Universal Inhex Sockets
Gelenk-Einsätze für Schrauben mit Innensechskant
Douilles universelles 6-pans mâles



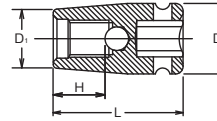
13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*2
6	24	15	74	131	10	*2
8	24	20	74	136	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

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

13103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	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	10.5	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



13103M Impact Stud Bolt Setters Impact Stehbolzensetzer Monte-goujons Impact



*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.

A special socket for installing a stud bolt.

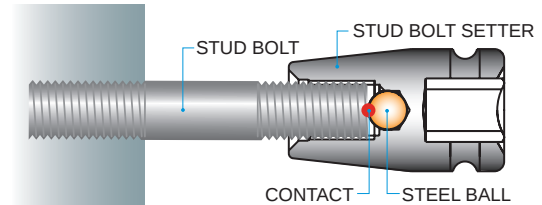
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, 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



OBJECT

13145M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

13145M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

13145M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	250	167	5	*1
8	13.3	19	8	250	172	5	*1
10	15.8	19	10	250	182	5	*1
12	18.3	19	12	250	190	5	*1
13	19.5	19	13	250	199	5	*1
14	20.8	19	14	250	208	5	*1
15	22	19	15	250	217	5	*1
17	24.5	19	17	250	225	5	*1

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

13145MG-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	100	90	5	*1
10	15.8	19	4.2	100	93	5	*1
12	18.3	19	5.6	100	105	5	*1
13	19.5	19	6	100	115	5	*1
14	20.8	19	6.4	100	120	5	*1

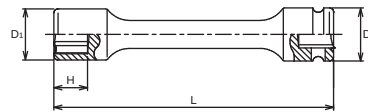
13145MG-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	150	121	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1
17	24.5	19	7.5	150	170	5	*1

13145MG-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	4.2	200	182	5	*1
12	18.3	19	5.6	200	190	5	*1
13	19.5	19	6	200	208	5	*1
14	20.8	19	6.4	200	225	5	*1

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

13145M-100 / -150 / -200 / -250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée

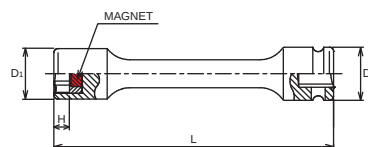


13145M-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

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

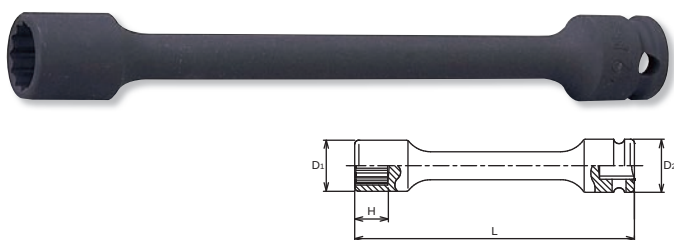
13145MG-100 / -150 / -200

Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douilles, série allongée, avec aimant



13145M-100 (12P) / -150 (12P) / -200 (12P)

Extra long 12-Point Sockets
Extra lange 12-kant Steckschlüssel
Douilles, série allongée 12 pans



13145M-100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

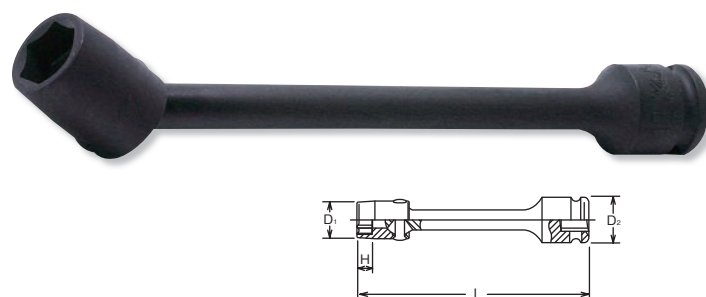
13145M-150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

13145M-200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1

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

13146M-150 / -200 / -250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



13146M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	150	128	5	*1
10	14.3	19	7	150	131	5	*1
12	18	19	8	150	133	5	*1
13	19.3	19	8.5	150	132	5	*1
14	20	19	9	150	132	5	*1

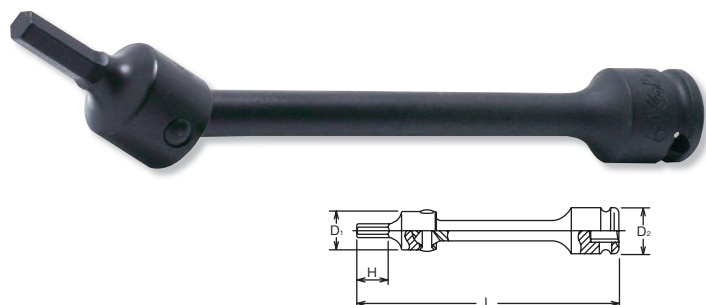
13146M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

13146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

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

13147M-150 / -200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



13147M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1

13147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

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

13012M-52 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3	18	10	34	52	33	10	*1
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
13	21	15.5	34	52	85	10	*2
14	21	15.5	34	52	92	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

RS13012M/8-L52	8 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 10, 12, 14		492

13025-50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

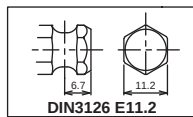
RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13134	24	22	32	70	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

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



16134-SC



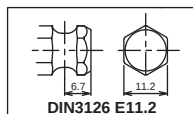
Replacement Screw : M8x6, ● 4mm
Ersatzschraube : M8x6, ● 4mm
Vis de remplacement : M8x6, ● 4mm

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

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



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

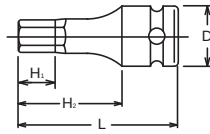
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.

13012M-52



Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



RS13012M/8-L52



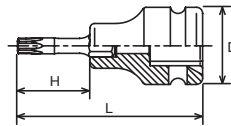
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



13025-50 / -90



TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis, TORX®



RS13025/8-L50



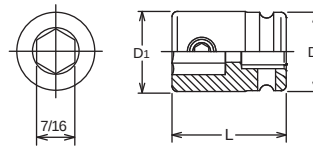
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



13134



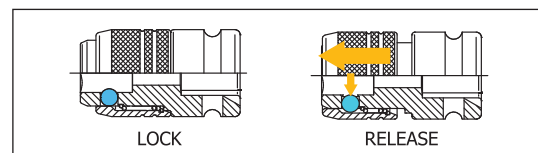
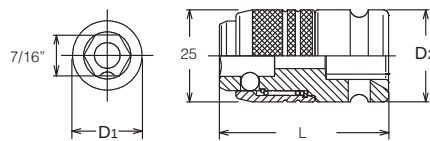
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



13142-F11.2



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

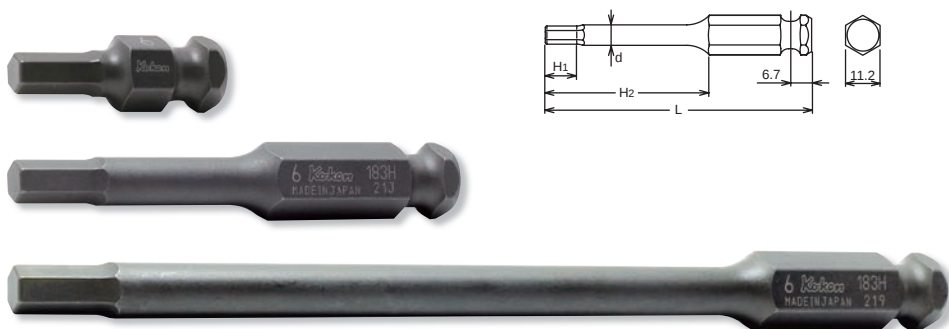


Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



183H-35 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3	6	18	35	15	10
4	8	18	35	15	10
5	10	18	35	15	10
6	12	18	35	18	10
7	12	18	35	19	10
8	12	18	35	20	10
9	14.8	18	35	23	10
10	15.6	18	35	26	10
11	17.1	18	35	28	10
12	-	18	35	30	10
14	-	18	35	35	10
16	-	18	35	47	10
17	-	18	35	50	10
18	-	18	35	53	10
19	-	18	35	56	10

183H-35 (inch)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/16	10	18	35	15	10
7/32	12	18	35	16	10
1/4	12	18	35	18	10
5/16	12	18	35	20	10
3/8	15.2	18	35	26	10
7/16	-	18	35	28	10
1/2	-	18	35	38	10

183H-75 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
3	8	42.5	75	6	34	10
4	8	42.5	75	6	35	10
5	10	42.5	75	6.5	36	10
6	12	42.5	75	7.5	39	10
7	12	42.5	75	8.5	44	10
8	12	42.5	75	9.5	47	10
10	15.5	42.5	75	-	57	10
11	15.5	42.5	75	-	60	10
12	-	42.5	75	-	65	10
14	-	42.5	75	-	79	10

183H-150 (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
4	8	117.5	150	6	51	10
5	10	117.5	150	6.5	55	10
6	12	117.5	150	7.5	65	10
8	12	117.5	150	9.5	87	10
10	15.5	117.5	150	-	118	10
12	-	117.5	150	-	136	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.

183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique



183H-75B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	42.5	75	5.7	39	10
8B	42.5	75	7.7	44	10
10B	42.5	75	9.7	49	10
12B	42.5	75	11.7	72	10

183H-150B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	117.5	150	5.7	65	10
8B	117.5	150	7.7	71	10
10B	117.5	150	9.7	92	10
12B	117.5	150	11.7	135	10

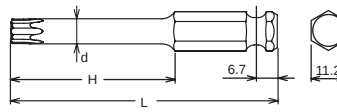
183T-35 (T)	H (mm)	L (mm)	(g)	(pcs.)
T25	18	35	18	10
T30	18	35	18	10
T40	18	35	20	10
T45	18	35	22	10
T50	18	35	26	10
T55	18	35	30	10
T60	18	35	38	10



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



TORX® Bits
TORX® Bits
Embouts, TORX®



183T-75 (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T25	42.5	75	6	33	10
T27	42.5	75	6	33	10
T30	42.5	75	6	35	10
T40	42.5	75	6.9	37	10
T45	42.5	75	8	41	10
T50	42.5	75	9	45	10
T55	42.5	75	11.4	55	10
T60	42.5	75	13.5	67	10



183T-150 (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T30	117.5	150	6	50	10
T40	117.5	150	6.9	58	10
T45	117.5	150	8	70	10
T50	117.5	150	9	82	10
T55	117.5	150	11.4	113	10
T60	117.5	150	13.5	148	10



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

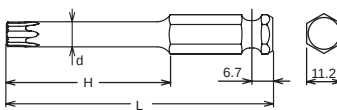


183T-35 / -75 (IP)



TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®

TORXPLUS®



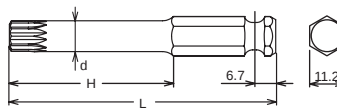
183T-75 (IP)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
30IP	42.5	75	6	35	10
40IP	42.5	75	6.8	37	10
45IP	42.5	75	8	41	10
50IP	42.5	75	9	45	10
55IP	42.5	75	11.4	56	10
60IP	42.5	75	13.5	67	10



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



XZN Bits
XZN Bits
Embouts, XZN



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



183X-75 (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M 4	42.5	75	6	34	10
M 5	42.5	75	6	34	10
M 6	42.5	75	6.2	36	10
M 8	42.5	75	7.4	39	10
M10	42.5	75	9.8	54	10
M12	42.5	75	11.7	57	10
M14	42.5	75	13.5	67	10



183X-150 (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M 5	117.5	150	6	50	10
M 6	117.5	150	6.2	53	10
M 8	117.5	150	7.4	64	10
M10	117.5	150	9.8	93	10
M12	117.5	150	11.7	121	10
M14	117.5	150	13.5	151	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.

13134M-52 / -92



Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



13134T-52 / -92 (T)



Bit Holder complete with TORX® Bit
Klingenhalter, komplett mit TORX® Klinge
Porte embouts avec bit TORX®



13134T-52 / -92 (IP)



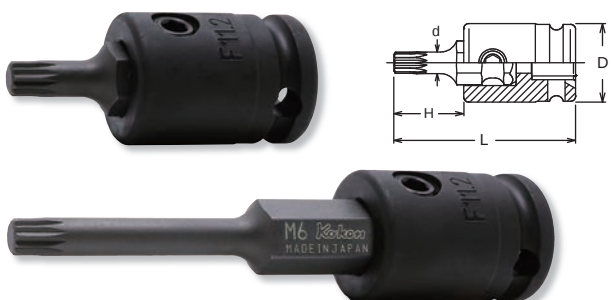
Bit Holder complete with TORXPLUS® Bit
Klingenhalter, komplett mit TORXPLUS® Klinge
Porte embouts avec bit TORXPLUS®



13134X-52 / -92 (XZN)



Bit Holder complete with XZN Bit
Klingenhalter, komplett mit XZN Klinge
Porte embouts avec bit 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.

13134M-52 (mm)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
3	22	20	52	6	85	10	*2
4	22	20	52	6	85	10	*2
5	22	20	52	6.5	85	10	*2
6	22	20	52	7.5	88	10	*2
7	22	20	52	8.5	89	10	*2
8	22	20	52	9.5	90	10	*2
10	22	20	52	-	96	10	*2
12	22	20	52	-	100	10	*2
14	22	20	52	-	105	10	*2

13134M-92 (mm)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
3	22	60	92	6	104	10	*2
4	22	60	92	6	105	10	*2
5	22	60	92	6.5	106	10	*2
6	22	60	92	7.5	109	10	*2
7	22	60	92	8.5	114	10	*2
8	22	60	92	9.5	117	10	*2
10	22	60	92	-	127	10	*2
12	22	60	92	-	135	10	*2
14	22	60	92	-	149	10	*2

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

13134T-52 (T)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
T25	22	20	52	6	88	10	*2
T30	22	20.6	52	6	88	10	*2
T40	22	20.6	52	6.9	90	10	*2
T45	22	20.6	52	8	92	10	*2
T50	22	20.6	52	9	96	10	*2
T55	22	20.6	52	11.4	100	10	*2
T60	22	20.6	52	13.5	108	10	*2

13134T-92 (T)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
T25	22	60	92	6	103	10	*2
T30	22	60	92	6	105	10	*2
T40	22	60	92	6.9	107	10	*2
T45	22	60	92	8	111	10	*2
T50	22	60	92	9	115	10	*2
T55	22	60	92	11.4	125	10	*2
T60	22	60	92	13.5	137	10	*2

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

13134T-52 (IP)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
30IP	22	20.6	52	6	88	10	*2
40IP	22	20.6	52	6.8	90	10	*2
45IP	22	20.6	52	8	92	10	*2
50IP	22	20.6	52	9	96	10	*2
55IP	22	20.6	52	11.4	100	10	*2
60IP	22	20.6	52	13.5	108	10	*2

13134T-92 (IP)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
30IP	22	60	92	6	105	10	*2
40IP	22	60	92	6.8	107	10	*2
45IP	22	60	92	8	111	10	*2
50IP	22	60	92	9	115	10	*2
55IP	22	60	92	11.4	126	10	*2
60IP	22	60	92	13.5	139	10	*2

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

13134X-52 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	22	20.6	52	6	88	10	*2
M 6	22	20.6	52	6.2	90	10	*2
M 8	22	20.6	52	7.4	92	10	*2
M10	22	20.6	52	9.8	96	10	*2
M12	22	20.6	52	11.7	100	10	*2
M14	22	20.6	52	13.5	108	10	*2

13134X-92 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	22	60	92	6	104	10	*2
M 6	22	60	92	6.2	106	10	*2
M 8	22	60	92	7.4	109	10	*2
M10	22	60	92	9.8	124	10	*2
M12	22	60	92	11.7	129	10	*2
M14	22	60	92	13.5	139	10	*2

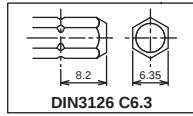
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13139-1/4	11	19	30	32	10	*1

*1 C-Ring=C31,Pin/O-Ring=A31/B31

→ P268-269

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

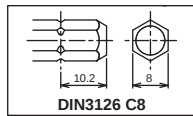


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13140-5/16	14	19	30	32	10	*1

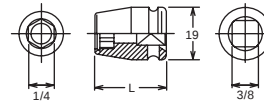
*1 C-Ring=C31,Pin/O-Ring=A31/B31

→ P268-269

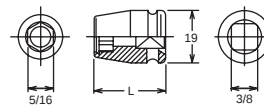
For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



13139 ○ Bit Holder Klingenhalter Porte-embout



13140 ○ Bit Holder Klingenhalter Porte-embout

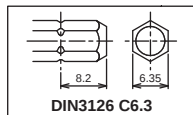


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	16	19	45	60	10	*1

*1 C-Ring=C31,Pin/O-Ring=A31/B31

→ P268-269

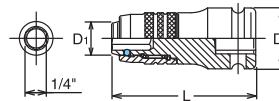
For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



⚠ 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 mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.



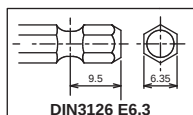
13142-F6.3 ○ Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant) ⚠

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-F6.3	16.5	19	45	60	10	*1

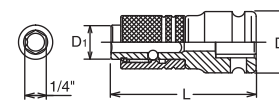
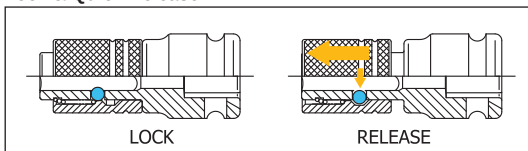
*1 C-Ring=C31,Pin/O-Ring=A31/B31

→ 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 mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.

Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS

ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

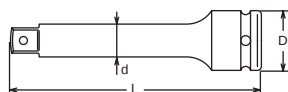
MOTORCYCLE

CONSTRUCTION

SPARE PART

13760

Extension Bars
Verlängerungen
Rallonges

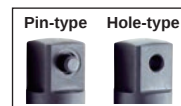


	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
13760-50P	Pin	22	12.5	50	70	10	*2
13760-75P	Pin	22	12.5	75	95	10	*2
13760-100P	Pin	22	12.5	100	115	10	*2
13760-125P	Pin	22	12.5	125	140	5	*2
13760-150P	Pin	22	12.5	150	165	5	*2
13760-200P	Pin	22	12.5	200	215	5	*2
13760-250P	Pin	22	12.5	250	260	5	*2
New 13760-300P	Pin	22	12.5	300	310	5	*2

	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
13760-50	Hole	22	12.5	50	70	10	*2
13760-75	Hole	22	12.5	75	95	10	*2
13760-100	Hole	22	12.5	100	115	10	*2
13760-125	Hole	22	12.5	125	140	5	*2
13760-150	Hole	22	12.5	150	165	5	*2
13760-200	Hole	22	12.5	200	215	5	*2
13760-250	Hole	22	12.5	250	260	5	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

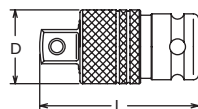


13333AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



LOCKING
ADAPTOR

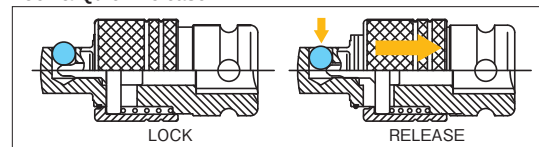


	D (mm)	L (mm)	(g)	(pcs.)	
13333AL	22	45	62	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P268-269

Lock & Quick Release



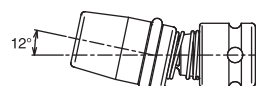
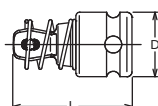
! You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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.

13333WA

Angle-Adaptor with Return Spring
Winkeladapter mit Rückholfeder
Adaptateur angulaire avec ressort de rappel



	D (mm)	L (mm)	(g)	(pcs.)	
13333WA	19	35	36	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P268-269

! It is strongly recommended to check the tightening torque for applications with the adaptors 13333WA and 14444WA, as the reduced square drive reduces the overall torques.

Es wird dringend empfohlen, bei Anwendungen mit den Adaptern 13333WA und 14444WA das Anzugsmoment zu überprüfen, da der reduzierte Vierkanttrieb die Gesamtdrehmomente verringert.

Il est fortement recommandé de vérifier le couple de serrage pour les applications avec les adaptateurs 13333WA et 14444WA, car l'entraînement carré réduit diminue les couples totaux.

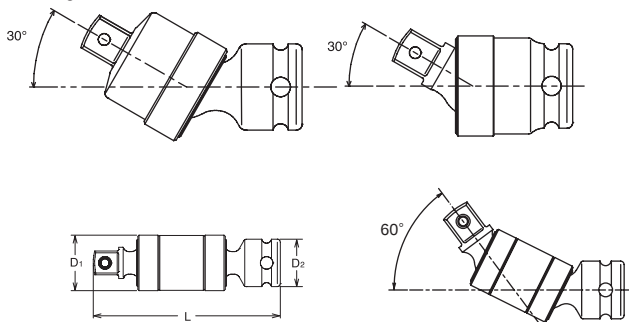
	TYPE	L (mm)	(g)	(pcs.)	
13770-P	Pin	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770	Hole	56	110	10	*2
13771-P	Pin	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771	Hole	48	92	10	*2

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

Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu'à un angle de 30° maximum.



	TYPE	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13772-P	Pin	22	19	75	120	5	*1
13772-B	Hole	22	19	75	120	5	*1

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

Make sure sockets hold bolts or nuts before operation.

Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

Avant la manipulation, il est nécessaire de s'assurer que la douille renferme parfaitement la vis.

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

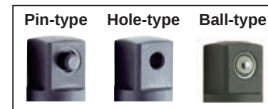
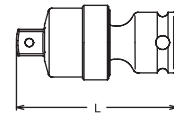
Die Doppelgelenke 13772 und 14772 haben eine geringere Belastbarkeit als das Standardgelenk. Im Interesse Ihrer Sicherheit sollten Sie sie immer richtig verwenden.

Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l'articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.

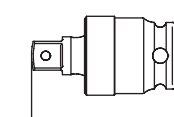


UNIVERSAL DOUBLE JOINT

13770 Universal Joint Gelenk-Einsatz Joint articulé



13771 Universal Joint Gelenk-Einsatz Joint articulé



13772 Universal Double Joint Doppelgelenk-Einsatz Joint articulé double ⚠



13322A Adaptor Verbindungsstück Réducteur ⚠



⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

13344A Adaptor Verbindungsstück Augmentateur

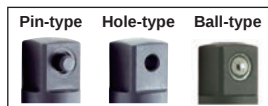


13242M Socket Set Steckschlüssel Satz Jeu de clés à douilles



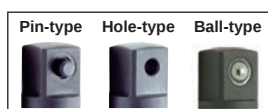
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13322A-P	Pin	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A	Hole	3/8"	1/4"	27	25	10	*1

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



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2
13344A-B	Ball	3/8"	1/2"	32.5	53	10	*2
13344A	Hole	3/8"	1/2"	32.5	53	10	*2

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



13242M	11 Pieces Set/1,140g
METAL CASE:W310×H90×T48mm	
Sockets	
13400M 6-pt. Sockets	
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

Impact Sockets Impact Steckschlüssel Douilles Impact

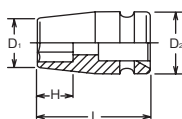
1/2"

14400M / 14400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®



14400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2

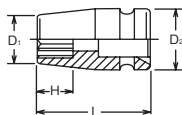
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

14405M / 14405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



14405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

14405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

RS14405M/11

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



RS14405M/11	11 Pieces Set/Rail 300mm	(g)
9,10,11,12,13,14,15,16,17,18,19		1,250

1/2" Impact Sockets Impact Steckschlüssel Douilles Impact

14401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

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

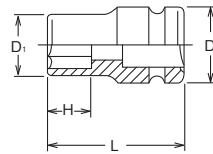
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010

14401M / 14401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans



14401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

RS14401M/10

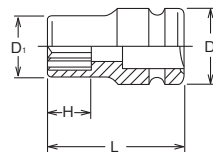


Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



14406M / 14406A

12-point Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans



14406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14406A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

Impact Sockets

Impact Steckschlüssel

Douilles Impact

1/2"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

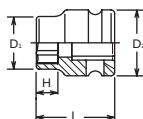
CONSTRUCTION

SPARE PART

14401MS



6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, à paroi mince



RS14401MS/10



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



14401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	4.5	23	41	10	*1
12	18	24	5.5	24	42	10	*1
13	19.2	24	6.5	25	43	10	*1
14	20.5	24	6.5	25	43	10	*1
15	21.7	29	7.5	26	70	10	*2
16	23	29	7.5	26	73	10	*2
17	24.2	29	7.5	26	76	10	*2
18	25.5	29	7.5	26	78	10	*2
19	26.7	29	9.5	28	79	10	*2
21	29.2	29	10	28.5	79	10	*2
22	30.5	29	10	28.5	84	10	*2
24	33	29	10	28.5	87	10	*2
27	36.7	29	10	28.5	100	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

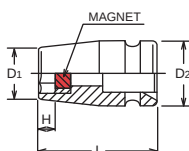
➔ P268-269

RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		740

14400MG



6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant



14400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	159	10	*2
22	32	30	9.5	38	159	10	*2

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

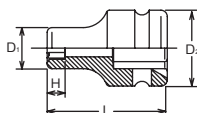
*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

14401LH



LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

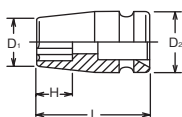
14410M



Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE



SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear. These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminiumschrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polés, celles en aluminium ou arrondies.

14410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	86	10	*1
11	18.2	25	8	38	86	10	*1
12	19.5	25	9	38	86	10	*1
13	20.7	25	10	38	86	10	*1
14	22	25	10	38	86	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	126	10	*2
19	28.2	30	13	38	126	10	*2
20	29.5	30	13	38	125	10	*2
21	30.7	30	14	38	125	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	135	10	*2
24	34.5	30	14	38	136	10	*2
25	35.7	30	14	38	140	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	166	10	*2
29	40.7	30	17	42	185	10	*2
30	42	30	17	42	200	10	*2
31	43.2	30	17	42	210	10	*2
32	44.5	30	18	42	210	10	*2
34	47	30	19	46	255	5	*2
36	49.5	30	20	46	275	5	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

14465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

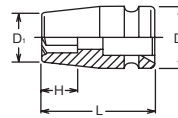
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269



14465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder



PATHFINDER®

The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschraubmaschinen) ganz besonders auswirkt.

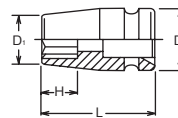
Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les chaînes de montage automatiques.

14415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*2
15	27	30	11	38	145	10	*2
16	29.5	30	11	38	150	10	*2
17	30.7	30	12	38	155	10	*2
18	32	30	13	38	165	10	*2
19	33.2	30	14	38	170	10	*2
22	38.2	30	14	40	185	10	*2
24	42	30	14	42	215	10	*2
27	45.7	30	16	46	278	5	*2
28	47	30	16	46	285	5	*2
29	49.5	30	17	46	326	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14415M Double 4-point Socket Doppelvierkant Steckschlüssel Douilles 4-pans, doubles



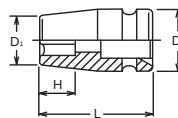
14425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	40	89	10	*1
E20	24.2	30	14.4	40	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	42	138	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

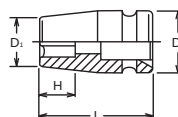
→ P268-269

14425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



14425 (EPL) TORXPLUS® Sockets TORXPLUS® Steckschlüssel Douilles TORXPLUS®

TORXplus®



14425 (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.2	25	6.2	38	86	10	*1
12EPL	15.2	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	19.2	25	9.1	38	88	10	*1
18EPL	22.2	25	10.2	38	90	10	*1
20EPL	24.2	30	11.2	38	135	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

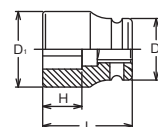
14400-WN	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14400-WN Weld Nut Sockets Steckschlüssel für Schweissmuttern Douille pour écrou à souder



Impact Sockets

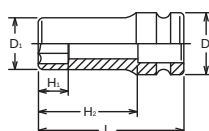
Impact Steckschlüssel

Douilles Impact

1/2"

14301X

6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans



14301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14301X/10

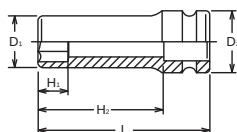
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



RS14301X/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,585

14300M / 14300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



14300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	366	10	*2
1. 1/8	40.7	30	29	63	85	401	10	*2
1. 3/16	42	30	30	63	85	421	10	*2
1. 1/4	44.5	30	32	63	85	458	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14300M	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	366	10	*2
28	39.5	30	28	64	85	387	10	*2
29	40.7	30	29	63	85	401	10	*2
30	42	30	30	63	85	421	10	*2
31	43.2	30	31	63	85	437	10	*2
32	44.5	30	32	63	85	458	10	*2
33	45.7	30	33	62	85	479	2	*2
34	47	30	33	62	85	496	2	*2
35	48.2	30	35	62	85	523	2	*2
36	49.5	30	36	61	85	534	2	*2
38	52	30	38	60	85	591	2	*2
41	55.7	30	38	60	85	635	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	28	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14306M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

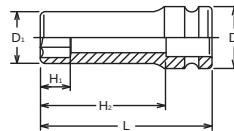
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14301M / 14301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig, lang
Douilles à paroi mince longues, 6-pans



14301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
5/16	13	24	8	62	80	87	10	*1
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1	34.2	29	25	65	85	282	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

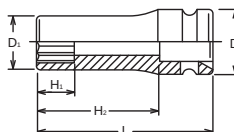
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

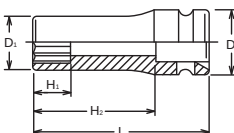
14305M

12-point Deep Sockets
12-kant Steckschlüssel, lang
Douilles longues 12-pans



14306M

12-point Deep Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig, lang
Douilles à paroi mince longues, 12-pans



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

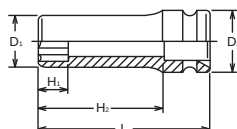
CONSTRUCTION

SPARE PART

14310M



Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



SURFACE DRIVE

14310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	450	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

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

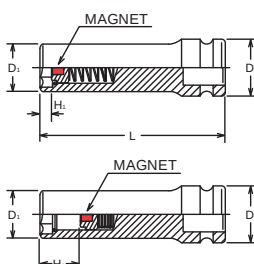
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14300G



Impact Socket with Sliding Magnet, deep
Impact Steckschlüssel mit versenkbarem Magnet, lang
Douilles Impact avec aimant, glissant pour écrous, longues



SLIDE MAGNET

14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

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

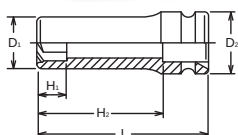
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14365M



Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder



PATHFINDER®

14365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

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

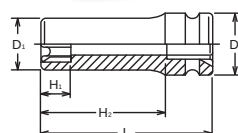
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14325



TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



14325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	5	*2
14	22	7	69.5	210	5	*2
15	23.2	7	69.5	210	5	*2
16	24.5	8	69.5	206	5	*2
17	25.7	8	69.5	220	5	*2
18	27	9	69.5	218	5	*2
19	28.2	10	73.5	260	5	*2
20	29.5	10	73.5	270	5	*2
21	30.7	11	73.5	280	5	*2
22	32	13	73.5	290	5	*2
24	34.5	14	75.5	300	5	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	20.7	6	67.5	210	5	*2
9/16	22	7	69.5	210	5	*2
5/8	24.5	8	69.5	206	5	*2
11/16	25.7	8	69.5	220	5	*2
3/4	28.2	10	73.5	260	5	*2

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

14100M (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
6	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 ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	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

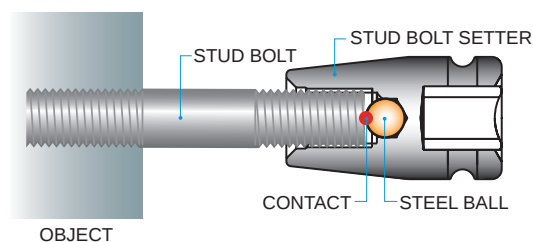
Tolerance

14100M (mm)	14100A (inch)
6	5.6- 6
7	6.6- 7
8	7.6- 8
9	8.4- 9
10	9.4-10
12	11.4-12

14103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	12	25	10	42	75	10	*1
7(1.0)	13.2	25	11.4	42	78	10	*1
8(1.25)	14.5	25	11.5	42	81	10	*1
10(1.25)	17	25	13.5	49	106	10	*1
10(1.5)	17	25	13.5	49	106	10	*1
12(1.25)	19.5	25	15.5	49	107	10	*1
12(1.75)	19.5	25	15.5	49	107	10	*1
14(1.5)	22	25	18.2	55	128	10	*1
14(2.0)	22	25	18.2	55	128	10	*1

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

⚠ 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.



14440M / 14440A Universal Sockets Gelenk-Einsätze Douilles universelles



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



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

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

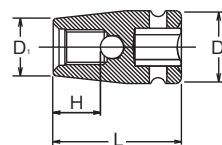
La forme hexagonale du corps améliore les tolérances.

Elle répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

14103M Impact Stud Bolt Setters Impact Stehbolzensetzer Monte-goujons Impact



STUD BOLT SETTER



A special socket for installing a stud bolt.

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

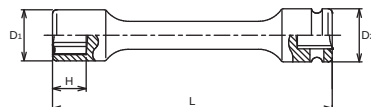
Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

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

14145M-100 / -150 / -200 / -250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



14145M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

*1 C-Ring=41C, Pin/O-Ring=A41/B41 → P268-269

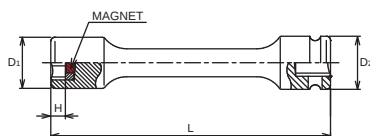
14145M-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

14145M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

14145MG-150 / -200

Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douilles, série allongée, avec aimant



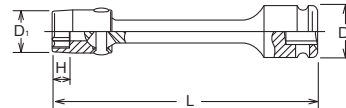
14145MG-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	4.2	150	195	1	*1
12	19.5	25	5.6	150	210	1	*1
14	22	25	6.4	150	230	1	*1
17	25.7	25	7.5	150	266	1	*1

14145MG-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	4.2	200	240	1	*1
12	19.5	25	5.6	200	254	1	*1
14	22	25	6.4	200	275	1	*1
17	25.7	25	7.5	200	313	1	*1

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

14146M-150 / -200 / -250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



14146M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

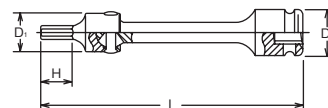
14146M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

14146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

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

14147M-150 / -200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



14147M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

14147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

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

Impact Sockets

Impact Steckschlüssel

Douilles Impact

1/2"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

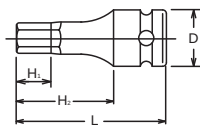
CONSTRUCTION

SPARE PART

14012M-60



Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



RS14012M/10-L60



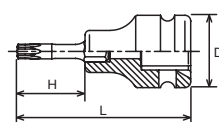
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



14025-60 / -100



TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis, TORX®



RS14025/6-L60



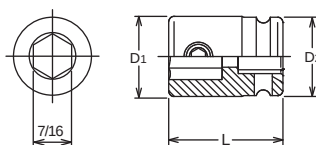
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



14134



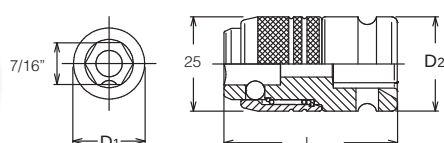
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



14142-F11.2



Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (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.

14012M-60 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
18	30	15.5	38	60	200	10	*2
19	30	15.5	38	60	210	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

14025-100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

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

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P268-269

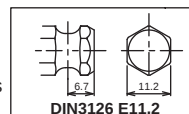
RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14134	24	25	38	90	10	*1

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

➔ P268-269

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



16134-SC

Replacement Screw : M8×6, ● 4mm
Ersatzschraube : M8×6, ● 4mm
Vis de remplacement : M8×6, ● 4mm

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

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

➔ P268-269

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

