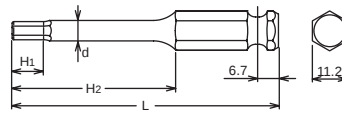


183H-35 / -75 / -150



Hex Bits
Sechskant Bits
Embout, 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.

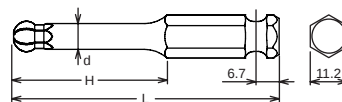
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".

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
Embout hexagonal à tête sphérique



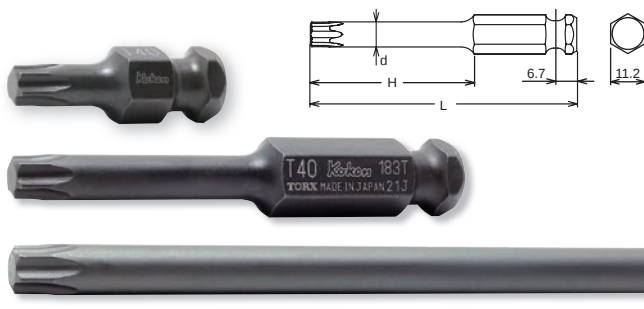
183H-75B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	42.5	75	5.7	39	10
8B	42.5	75	7.7	44	10
10B	42.5	75	9.7	49	10
12B	42.5	75	11.7	72	10

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
Embout, 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-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

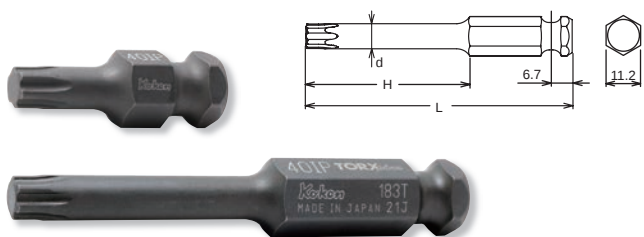


183T-35 / -75 (IP)



TORXPLUS® Bits
TORXPLUS® Bits
Embout TORXPLUS®

TORXPLUS®



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



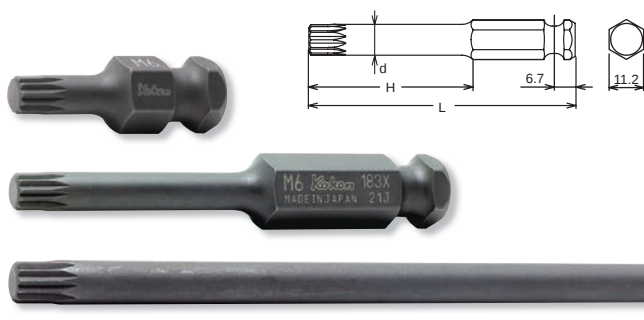
183T-75 (IP)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
30IP	42.5	75	6	35	10
40IP	42.5	75	6.8	37	10
45IP	42.5	75	8	41	10
50IP	42.5	75	9	45	10
55IP	42.5	75	11.4	56	10
60IP	42.5	75	13.5	67	10



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



XZN Bits
XZN Bits
Embout, XZN



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-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-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.

14134M-58 (mm)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
3	25	20	58	6	105	10	*1
4	25	20	58	6	105	10	*1
5	25	20	58	6.5	105	10	*1
6	25	20	58	7.5	108	10	*1
7	25	20	58	8.5	110	10	*1
8	25	20	58	9.5	110	10	*1
10	25	20	58	-	116	10	*1
12	25	20	58	-	120	10	*1
14	25	20	58	-	125	10	*1

14134M-98 (mm)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
3	25	60	98	6	124	5	*1
4	25	60	98	6	125	5	*1
5	25	60	98	6.5	126	5	*1
6	25	60	98	7.5	129	5	*1
7	25	60	98	8.5	135	5	*1
8	25	60	98	9.5	137	5	*1
10	25	60	98	-	147	5	*1
12	25	60	98	-	155	5	*1
14	25	60	98	-	169	5	*1

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

14134T-58 (T)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
T25	25	20	58	6	108	10	*1
T30	25	20	58	6	108	10	*1
T40	25	20	58	6.9	110	10	*1
T45	25	20	58	8	112	10	*1
T50	25	20	58	9	116	10	*1
T55	25	20	58	11.4	120	10	*1
T60	25	20	58	13.5	128	10	*1

14134T-98 (T)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
T25	25	60	98	6	123	5	*1
T30	25	60	98	6	125	5	*1
T40	25	60	98	6.9	127	5	*1
T45	25	60	98	8	131	5	*1
T50	25	60	98	9	135	5	*1
T55	25	60	98	11.4	145	5	*1
T60	25	60	98	13.5	157	5	*1

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

14134T-58 (IP)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
30IP	25	20	58	6	108	10	*1
40IP	25	20	58	6.8	110	10	*1
45IP	25	20	58	8	112	10	*1
50IP	25	20	58	9	116	10	*1
55IP	25	20	58	11.4	120	10	*1
60IP	25	20	58	13.5	128	10	*1

14134T-98 (IP)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
30IP	25	60	98	6	125	5	*1
40IP	25	60	98	6.8	127	5	*1
45IP	25	60	98	8	131	5	*1
50IP	25	60	98	9	135	5	*1
55IP	25	60	98	11.4	146	5	*1
60IP	25	60	98	13.5	159	5	*1

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

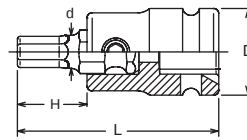
14134X-58 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	25	20	58	6	108	10	*1
M 6	25	20	58	6.2	110	10	*1
M 8	25	20	58	7.4	112	10	*1
M10	25	20	58	9.8	116	10	*1
M12	25	20	58	11.7	120	10	*1
M14	25	20	58	13.5	128	10	*1

14134X-98 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	25	60	98	6	124	5	*1
M 6	25	60	98	6.2	126	5	*1
M 8	25	60	98	7.4	129	5	*1
M10	25	60	98	9.8	144	5	*1
M12	25	60	98	11.7	149	5	*1
M14	25	60	98	13.5	159	5	*1

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

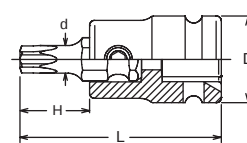
14134M-58 / -98

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



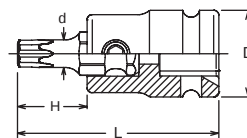
14134T-58 / -98 (T)

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



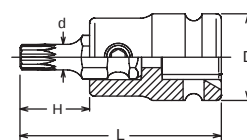
14134T-58 / -98 (IP)

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



14134X-58 / -98 (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.

Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS

ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

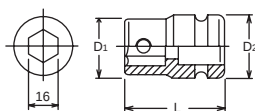
MOTORCYCLE

CONSTRUCTION

SPARE PART

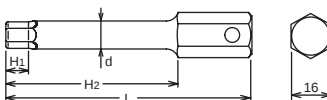
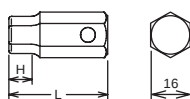
14106

Bit Holder
Klingenhalter
Porte-embout



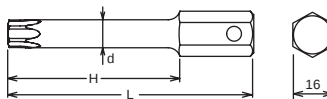
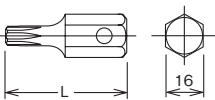
107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



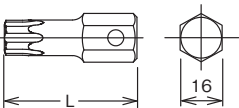
107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



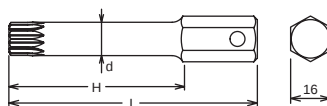
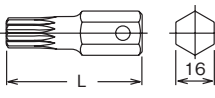
107-16 (IP)

TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®



107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*2

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

14106-SC



Replacement Screw : M6x8, 3mm
Ersatzschraube : M6x8, 3mm
Vis de remplacement : M6x8, 3mm

107-16 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	9	40	46	10
12	9	40	52	10
13	9	40	56	10
14	11	40	60	10
16	-	40	69	10
17	-	40	73	10
18	-	40	78	10
19	-	40	80	10
22	-	40	97	10

107-16 (inch)	H (mm)	L (mm)	(g)	(pcs.)
3/8	9	40	45	10
7/16	9	40	53	10
1/2	9	40	56	10
9/16	11	40	60	10
5/8	11.5	40	69	10
3/4	-	40	80	10

107-16(L100) (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
10	9	70	100	13	118	10
12	9	70	100	15	141	10
14	11	-	100	-	163	10
17	-	-	100	-	185	10
19	-	-	100	-	228	10
22	-	-	100	-	293	10

107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T45	70	100	8	95	10
T50	70	100	9	100	10
T55	70	100	11.4	104	10
T60	70	100	13.4	123	10
T70	70	100	15.7	148	10

107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M14	70	100	13.4	126	10
M16	70	100	15.8	153	10
M18	-	100	17.1	173	10



The items with ⚠ have larger output sizes than 16mm input drive.

Due to this design the maximum output torque rating is less than standard.

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

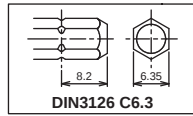
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14139-1/4	11	25	35	62	10	*1

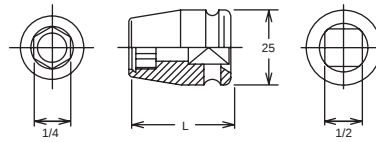
*1 C-Ring=C41,Pin/O-Ring=A41/B41

→ P268-269

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



DIN3126 C6.3

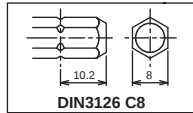


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14140-5/16	14	25	35	62	10	*1

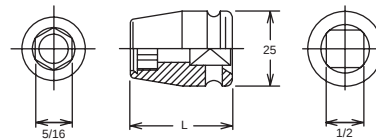
*1 C-Ring=C41,Pin/O-Ring=A41/B41

→ P268-269

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



DIN3126 C8

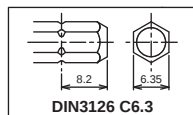


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-D6.3	16	25	55	97	10	*1

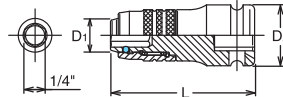
*1 C-Ring=C41,Pin/O-Ring=A41/B41

→ P268-269

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



DIN3126 C6.3



14142-D6.3 Bit Holder (Quick Release) Kingenhalter (Schnellwechselfutter) Porte embouts (mandrin 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.

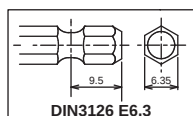
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-F6.3	16.5	25	55	100	10	*1

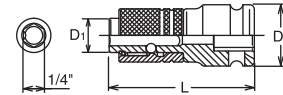
*1 C-Ring=C41,Pin/O-Ring=A41/B41

→ P268-269

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



DIN3126 E6.3



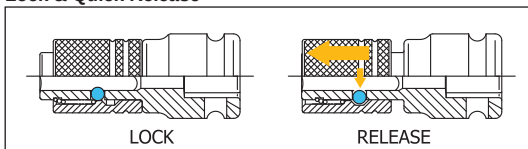
14142-F6.3 Bit Holder (Quick Release) Kingenhalter (Schnellwechselfutter) Porte embouts (mandrin autoserrant)



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.

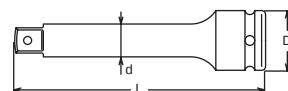
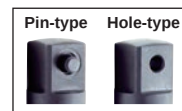
Lock & Quick Release



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

14760 Extension Bars Verlängerungen Rallonges

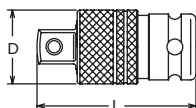


	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	16.5	50	150	10	*2
14760-75	Hole	30	16.5	75	188	10	*2
14760-100	Hole	30	16.5	100	240	10	*2
14760-125	Hole	30	16.5	125	275	5	*2
14760-150	Hole	30	16.5	150	300	5	*2
14760-175	Hole	30	16.5	175	358	5	*2
14760-200	Hole	30	16.5	200	405	5	*2
14760-250	Hole	30	16.5	250	480	1	*2
14760-300	Hole	30	16.5	300	575	1	*2

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

	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
14760-50P	Pin	30	16.5	50	150	10	*2
14760-75P	Pin	30	16.5	75	188	10	*2
14760-100P	Pin	30	16.5	100	240	10	*2
14760-125P	Pin	30	16.5	125	275	5	*2
14760-150P	Pin	30	16.5	150	300	5	*2
14760-175P	Pin	30	16.5	175	358	5	*2
14760-200P	Pin	30	16.5	200	405	5	*2
14760-250P	Pin	30	16.5	250	480	1	*2
14760-300P	Pin	30	16.5	300	575	1	*2

14444AL Adaptor (Quick Release) Verbindungsstück (Quick Release) Adaptateur (Quick Release)

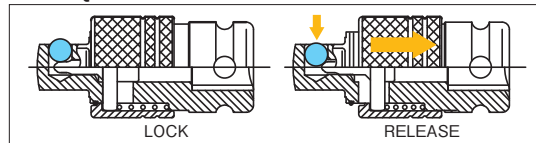


LOCKING
ADAPTOR

	D (mm)	L (mm)	(g)	(pcs.)	
14444AL	28	60	128	10	*1

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

Lock & Quick Release

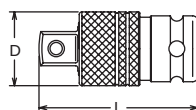


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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.

14466AL Adaptor (Quick Release) Verbindungsstück (Quick Release) Adaptateur (Quick Release)



	(sq.)	(sq.)	D (mm)	L (mm)	(g)	(pcs.)	
14466AL	1/2"	3/4"	42	75	460	5	*2

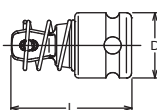
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P268-269

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

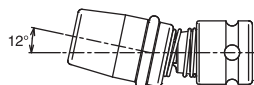
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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.

14444WA Angle-Adaptor with Return Spring Winkeladapter mit Rückholfeder Adaptateur angulaire avec ressort de rappel



Use a Pin/O-ring to attach a socket to 14444WA



⚠ 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.

	D (mm)	L (mm)	(g)	(pcs.)	
14444WA	25	47	83	10	*1

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

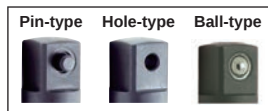
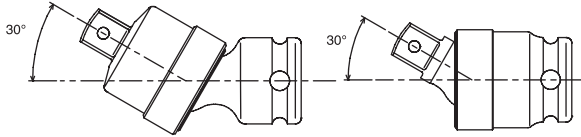
	TYPE	L (mm)	(g)	(pcs.)	
14770-P	Pin	74	210	5	*2
14770-B	Ball	74	210	5	*2
14770	Hole	74	210	5	*2
14771-P	Pin	65	198	5	*2
14771-B	Ball	65	198	5	*2
14771	Hole	65	198	5	*2

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

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

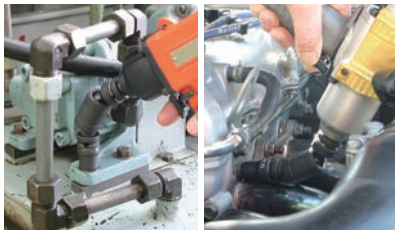
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

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



	TYPE	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14772-P	Pin	27	25	90	230	5	*1
14772-B	Hole	27	25	90	230	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → 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.

	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1
14433A-B	Ball	1/2"	3/8"	37.5	68	10	*1
14433A	Hole	1/2"	3/8"	37.5	68	10	*1

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

⚠ 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.

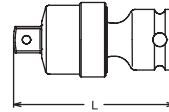
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	1/2"	5/8"	42	135	10	*2

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

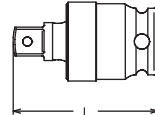
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	Hole	1/2"	3/4"	44	146	10	*2
14466A-B	Ball	1/2"	3/4"	44	146	10	*2

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

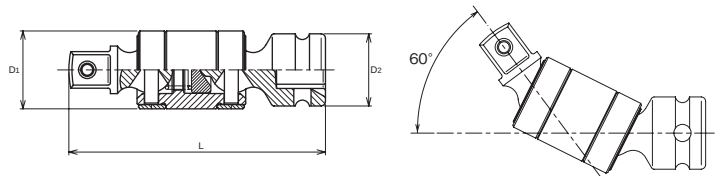
14770 Universal Joint Gelenk-Einsatz Joint articulé



14771 Universal Joint Gelenk-Einsatz Joint articulé



14772 Universal Double Joint Doppelgelenk-Einsatz Joint articulé double



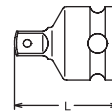
13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

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

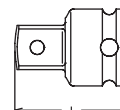
Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l'articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.

14433A Adaptor Verbindungsstück Réducteur

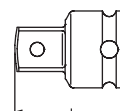
No Warranty
Keine Garantie
Sans Garantie



14455A Adaptor Verbindungsstück Augmentateur



14466A Adaptor Verbindungsstück Augmentateur



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

CONSTRUCTION

SPARE PART

14209M



Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles



14209M 10 Pieces Set/△=830g

METAL CASE:W190×H59×T45mm

Bits	Bit Holder
183H.35 Hex Bits 5, 6, 8, 10	14134 Bit Holder
107.16 Hex Bits 12, 14, 17, 19	14106 Bit Holder



DIN3126

14210M



Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles



14210M 18 Pieces Set/△=1,250g

METAL CASE:W310×H90×T48mm

Bits	Bit Holder
183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	14134 Bit Holder
183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	168H-4 (40) Screwdriver

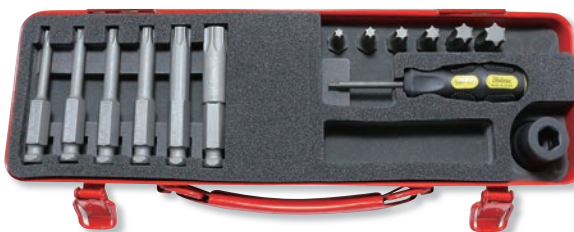


DIN3126

14210T



Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles



14210T 14 Pieces Set/△=1,080g

METAL CASE:W310×H90×T48mm

Bits	Bit Holder
183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	14134 Bit Holder
183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	168H-4 (40) Screwdriver

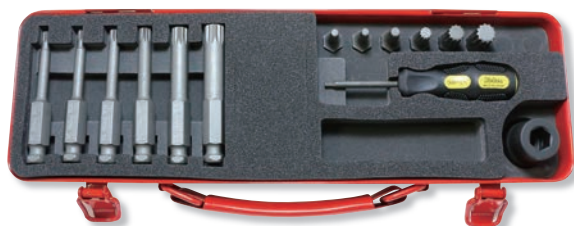


DIN3126

14210X



Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles



14210X 14 Pieces Set/△=1,040g

METAL CASE:W310×H90×T48mm

Bits	Bit Holder
183X.35 XZN Bits M4, M5, M6, M8, M10, M12	14134 Bit Holder
183X.75 XZN Bits M4, M5, M6, M8, M10, M12	168H-4 (40) Screwdriver



DIN3126

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®.

14207M	10 Pieces Set/△=2,700g
METAL CASE:W310×H90×T48mm	
Sockets	
 14300M 6-pt Deep Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24, 27	

14208M	13 Pieces Set/△=3,740g
METAL CASE:W395×H90×T50mm	
Sockets	
 14300M 6-pt Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	

14241M-00	13 Pieces Set/△=2,000g
METAL CASE:W337×H76×T52mm	
Sockets	
 14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

14241M-05	13 Pieces Set/△=2,000g
METAL CASE:W337×H76×T52mm	
Sockets	
 14405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

14241A-00	12 Pieces Set/△=2,050g
METAL CASE:W337×H76×T52mm	
Sockets	
 14400A 6-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/8	

14241A-05	12 Pieces Set/△=2,050g
METAL CASE:W337×H76×T52mm	
Sockets	
 14405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/8	

14242M	12 Pieces Set/△=1,890g
METAL CASE:W310×H90×T48mm	
Sockets	
 14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27	

14245M-00	18 Pieces Set/△=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
 14400M 6-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14760-125P  14770-P  A41, A42 B41, B42

14245M-05	18 Pieces Set/△=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
 14405M 12-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14760-125P  14770-P  A41, A42 B41, B42

14207M  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



14208M  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



14241M-00  Socket Set
14241M-05  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



14241A-00  Socket Set
14241A-05  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



14242M  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



14245M-00  Socket Set
14245M-05  Socket Set
Steckschlüssel Satz
Jeu de clés à douilles



Impact Sockets

Impact Steckschlüssel

Douilles Impact

5/8"

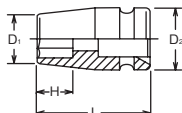
Z-SERIES
HAND
TITANIUM
SCREWDRIVERS
ACCESSORIES
IMPACT
SLEEVE-DRIVE
PROTECTOR
INDUSTRIAL
AUTOMOTIVE
MOTORCYCLE
CONSTRUCTION
SPARE PART

15400M

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



FLAT DRIVE®

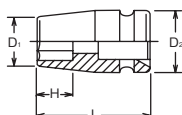


15400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=A51/B51 → P269

15400A

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



15400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

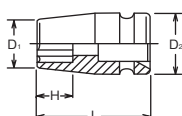
*1 Pin/O-Ring=A51/B51 → P269

15410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE



15410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=A51/B51 → P269

15300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 → P269

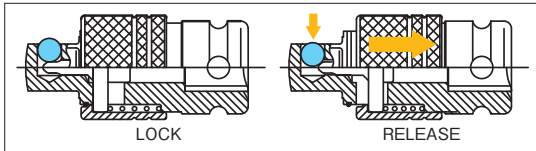
15310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 → P269

	D (mm)	L (mm)	(g)	(pcs.)	⚡
15555AL	32	70	310	2	*1

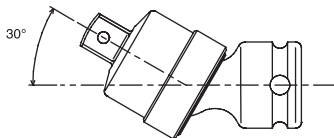
*1 Pin/O-Ring=A51/B51 → P269

Lock & Quick Release



	L (mm)	(g)	(pce.)	⚡
15770	88	420	1	*1

*1 Pin/O-Ring=A51/B51 → P269



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	⚡
15544A-P	5/8"	1/2"	46	165	5	*1
15544A	5/8"	1/2"	46	165	5	*1

*1 Pin/O-Ring=A51/B51 → P269

⚠ 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.

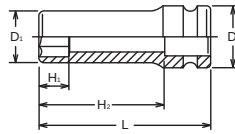
Il est possible d'appliquer aux articles marqués **⚠** des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=A51/B51 → P269

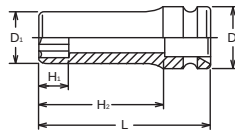
15300M

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



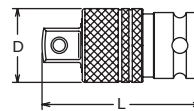
15310M

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



15555AL

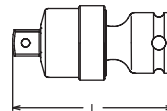
Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück (Quick Release) **⚠**
Adaptateur (Quick Release)



⚠ 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.

15770

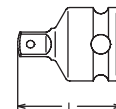
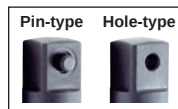
Universal Joint
Gelenk-Einsatz
Joint articulé



15544A

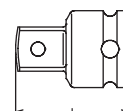
Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie **⚠**



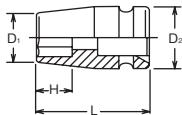
15566A

Adaptor
Verbindungsstück
Augmentateur



16400M / 16400A

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



FLAT DRIVE®

16400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 9/16	58.8	44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2. 1/16	73.8	54	29	62	1011	2	*2
2. 1/8	76.3	54	29	62	1035	2	*2
2. 3/16	77.5	54	29	62	1056	2	*2
2. 1/4	80	54	32	65	1126	2	*2
2. 5/16	81.3	54	31	65	1163	2	*2
2. 3/8	83.8	54	31	65	1215	2	*2

16400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2
57	80	54	32	65	1126	2	*2
58	81.3	54	31	65	1163	2	*2
59	82.5	54	31	65	1185	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

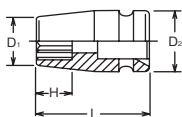
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62

➔ P268-269

16405M / 16405A

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



16405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

16405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62

➔ P268-269

3/4"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

16401M / 16401A

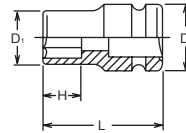
6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans



16401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	26.8	43	11	50	290	5	*1
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
39	55.5	43	20	57	525	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
43	60.5	43	23	62	662	2	*1
44	61.8	43	23	62	670	2	*1
45	63	43	23	62	700	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 Pin/O-Ring=A62/B62

➔ P268-269



16401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	43	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
1. 7/8	66.8	53	23	62	868	2	*2

16410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

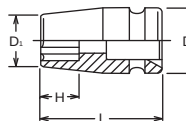
➔ P268-269



SURFACE DRIVE

16410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

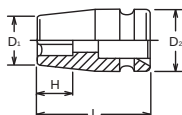
AUTOMOTIVE

MOTORCYCLE

CONSTRUCTION

SPARE PART

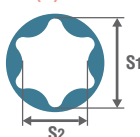
16425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



16425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

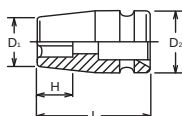
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

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

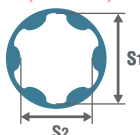
16425 (EPL) TORXPLUS® Sockets TORXPLUS® Steckschlüssel Douilles TORXPLUS®



16425 (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	50	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	41.3	44	16.1	60	488	5	*1

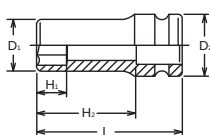
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

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

16301X 6-point Semi-Deep Sockets, Thin Walled 6-kant Steckschlüssel mittel lang, dünnwandig Douilles à paroi mince semi-longues, 6-pans



16301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	550	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

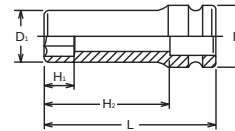
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

3/4"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

16300M / 16300A

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



16300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	497	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
39	57.5	44	38	70	100	1040	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	—	100	1469	2	*2
55	77.5	54	59	—	100	1620	2	*2
60	83.8	54	56	—	100	1835	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62



16300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	—	100	1516	2	*2

16305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	—	100	1469	2	*2

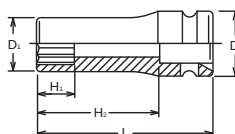
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62



16305M

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

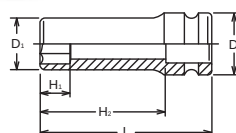


Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

16301M / 16301A

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



16301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

16301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	750	2	*1
34	49.3	43	34	72	100	772	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
39	55.5	43	38	70	100	910	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	-	100	1328	2	*2

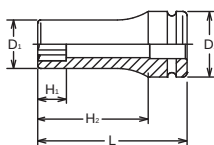
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62

→ P268-269

16310M

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



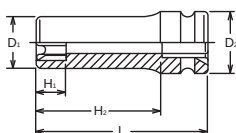
16310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
15	27.5	44	15	74	100	500	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
36	53.8	44	34	71	100	960	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

→ P268-269

16325

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



16325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1
E26	35.0	44	18.8	74	100	660	2	*1
E28	36.3	44	25.2	74	100	670	2	*1
E30	38.8	44	25.2	75	100	730	2	*1
E32	41.3	44	25.2	75	100	777	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

→ P268-269

16106-16 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	44	9	24	76	416	2	*1
12	44	9	24	76	422	2	*1
13	44	9	24	76	426	2	*1
14	44	11	24	76	430	2	*1
16	44	—	24	76	439	2	*1
17	44	—	24	76	443	2	*1
18	44	—	24	76	448	2	*1
19	44	—	24	76	450	2	*1
22	44	—	24	76	473	2	*1

16106-16 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/2	44	9	24	76	426	2	*1
9/16	44	11	24	76	430	2	*1
5/8	44	11.5	24	76	439	2	*1
3/4	44	—	24	76	450	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16106-16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16106-16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16106	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

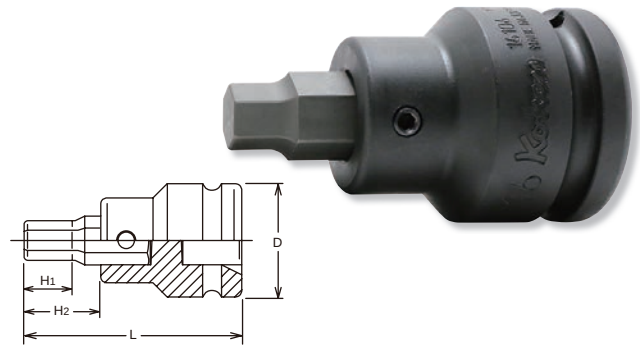
16106-SC

Replacement Screw : M6x10, 3mm
Ersatzschraube : M6x10, 3mm
Vis de remplacement : M6x10, 3mm

16106-16



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



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

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

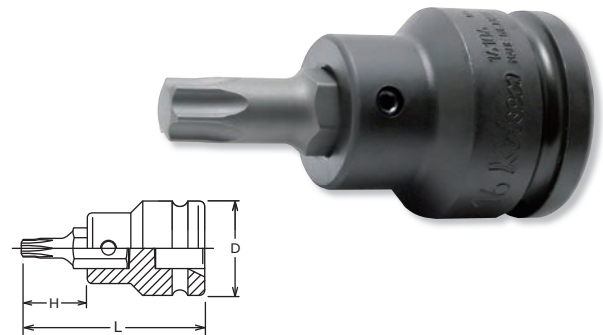
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm.

En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

16106-16(T)



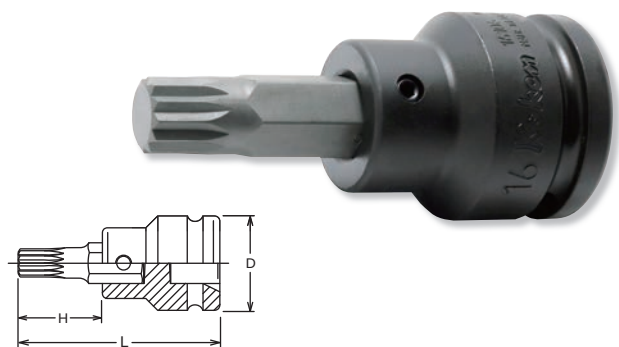
TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis, TORX®



16106-16(XZN)



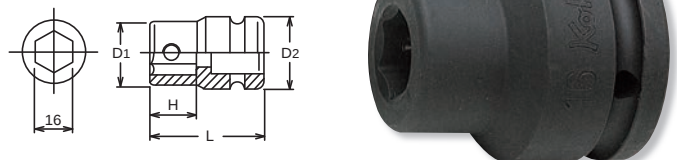
XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN



16106



Bit Holder
Klingenhalter
Porte-embout



Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

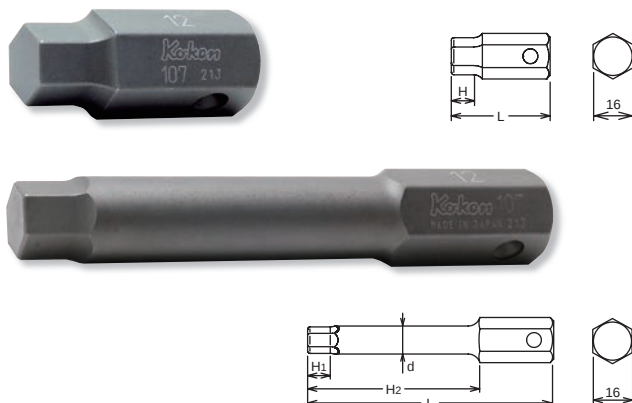
MOTORCYCLE

CONSTRUCTION

SPARE PART

107-16

Bits for Inhex Screws
Klingen für Innsechskant-Schrauben
Embout pour vis 6-pans males creux



107-16 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	9	40	46	10
12	9	40	52	10
13	9	40	56	10
14	11	40	60	10
16	-	40	69	10
17	-	40	73	10
18	-	40	78	10
19	-	40	80	10
22	-	40	97	10



107-16 (inch)	H (mm)	L (mm)	(g)	(pcs.)
3/8	9	40	45	10
7/16	9	40	53	10
1/2	9	40	56	10
9/16	11	40	60	10
5/8	11.5	40	69	10
3/4	-	40	80	10

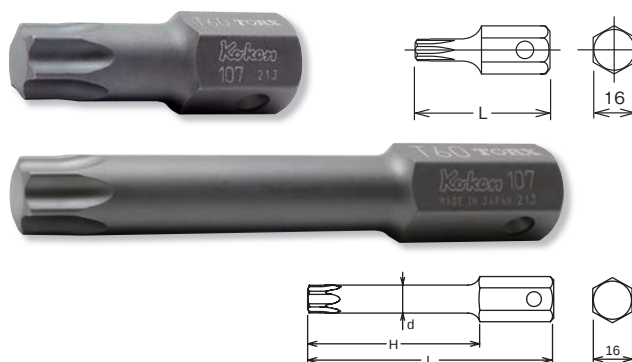


107-16(L100) (mm)	H1 (mm)	H2 (mm)	L (mm)	d (mm)	(g)	(pcs.)
10	9	70	100	13	118	10
12	9	70	100	15	141	10
14	11	-	100	-	163	10
17	-	-	100	-	185	10
19	-	-	100	-	228	10
22	-	-	100	-	293	10



107-16 (T)

TORX® Bits
TORX® Klingen
Embout, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T45	70	100	8	95	10
T50	70	100	9	100	10
T55	70	100	11.4	104	10
T60	70	100	13.4	123	10
T70	70	100	15.7	148	10

107-16 (IP)

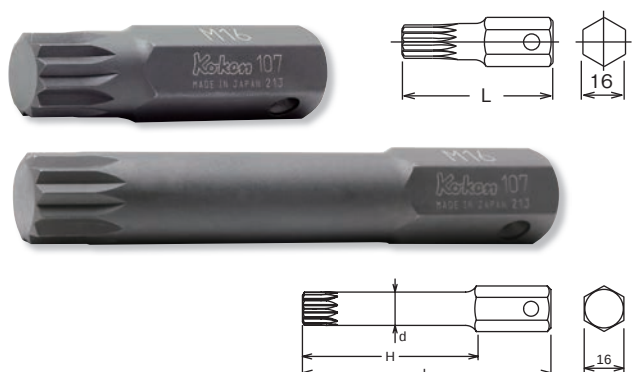
TORXPLUS® Bits
TORXPLUS® Klingen
Embout TORXPLUS®



107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

Bits XZN
Klingen XZN
Embout de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M14	70	100	13.4	126	10
M16	70	100	15.8	153	10
M18	-	100	17.1	173	10



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

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

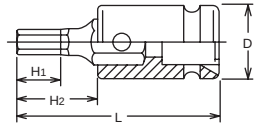
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

16107-22 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
19	44	20	28	88	670	2	*1
22	44	-	28	88	692	2	*1
24	44	-	28	88	706	2	*1
27	44	-	28	88	730	2	*1
30	44	-	28	88	757	2	*1
32	44	-	28	93	783	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16107-22

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



	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16107-SC



Replacement Screw : M8x14, 4mm
Ersatzschraube : M8x14, 4mm
Vis de remplacement : M8x14, 4mm

107-22 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	17	50	120	10
19	18.3	50	140	10
22	-	50	162	10
24	-	50	176	10
27	-	50	200	10
30	-	50	227	10
32	-	50	243	10



107-22 (inch)	H (mm)	L (mm)	(g)	(pcs.)
5/8	16.6	50	120	10
3/4	19.3	50	140	10
7/8	-	50	162	10
1	-	50	190	10
1 1/4	-	50	243	10



107-22(L140) (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	20	140	431	5
19	20	140	441	5
22	-	140	460	5
24	-	140	513	5

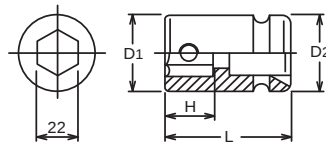


107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22(L140) (T)	L (mm)	(g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5

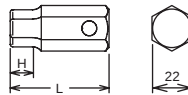
16107

Bit Holder
Klingenhalter
Porte embouts



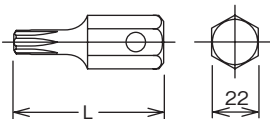
107-22

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embout pour vis 6-pans males creux



107-22 (T)

TORX® Bits
TORX® Klingen
Embout, TORX®



The items with ⚠ have larger output sizes than 22mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 22mm 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 22mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

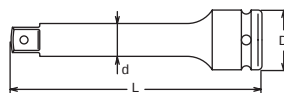
16760

Extension Bars
Verlängerungen
Rallonges



	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
16760-150	44	25	150	775	1	*1
16760-175	44	25	175	870	1	*1
16760-200	44	25	200	955	1	*1
16760-250	44	25	250	1150	1	*1
16760-330	44	25	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



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®.

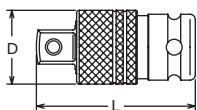
Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

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

16666AL

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

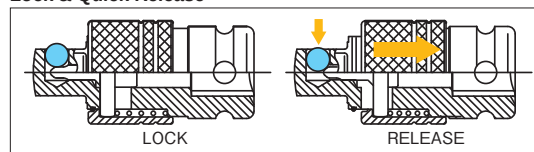


LOCKING
ADAPTOR

	D (mm)	L (mm)	(g)	(pcs.)	
16666AL	42	75	660	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

Lock & Quick Release



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

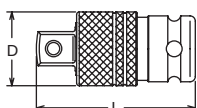
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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

16644AL

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

No Warranty
Keine Garantie
Sans Garantie

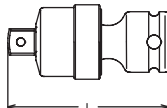


	(sq.)	(sq.)	D (mm)	L (mm)	(g)	(pcs.)	
16644AL	3/4"	1/2"	28	70	240	2	*1

*1 Pin/O-Ring=A51/B51 → P269

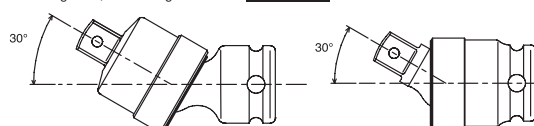
16770

Universal Joint
Gelenk-Einsatz
Joint articulé



	L (mm)	(g)	(pcs.)	
16770	106	790	2	*1
16771	95	720	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



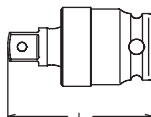
Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

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.

16771

Universal Joint
Gelenk-Einsatz
Joint articulé



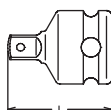
16644A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



16655A



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644A-P	Pin	3/4"	1/2"	54	310	5	*1
16644A-B	Ball	3/4"	1/2"	54	310	5	*1
16644A	Hole	3/4"	1/2"	54	310	5	*1

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

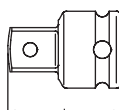
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.

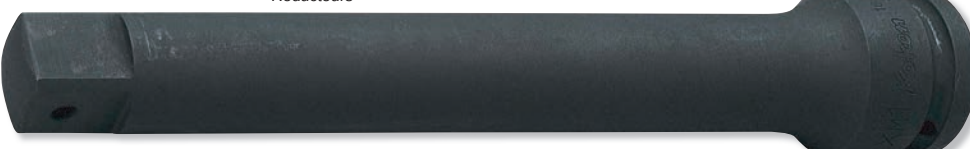
16688A

Adaptor
Verbindungsstück
Augmentateur



16688A-250 / -330

Adaptors
Verbindungsstücke
Réducteurs



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16688A	3/4"	1"	62	435	2	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16201M-00 / 16201A-00

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles



16201M-00	13 Pieces Set/△=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
 16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-00	11 Pieces Set/△=6,000g
METAL CASE:W290×H120×T70mm	
Sockets	
 16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16201M-01 / 16201A-01

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles



16201M-01	13 Pieces Set/△=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
 16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/△=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
 16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles



16245M	17 Pieces Set/△=12,000g
METAL CASE:W590×H127×T72mm	
Sockets	Accessories
 16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 16760-175  16760-330

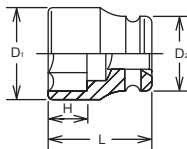
18400M / 18400A



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



FLAT DRIVE®



18400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
20	36.5	54	14	57	600	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
39	60.3	54	25	66	820	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	66	36	70	1235	2	*2
48	71.5	66	35	70	1228	2	*2
50	74	66	35	70	1302	2	*2
52	76.5	66	40	75	1423	2	*2
54	79	66	40	75	1492	2	*2
55	80.3	66	39	75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
77	107.8	86	37	80	2890	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

18400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 3/32	46.5	54	16	57	640	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 9/32	52.8	54	21	62	692	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	62	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2. 1/16	76.5	66	40	75	1423	2	*2
2. 1/8	79	66	40	75	1492	2	*2
2. 3/16	80.3	66	39	75	1501	2	*2
2. 1/4	82.8	66	39	75	1583	2	*2
2. 5/16	84	66	39	75	1586	2	*2
2. 3/8	86.5	66	39	75	1651	2	*2
2. 7/16	89	66	38	75	1685	2	*2
2. 1/2	91.5	66	38	75	1780	2	*2
2. 9/16	92.8	66	38	75	1915	2	*2
2. 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2. 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2. 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3. 1/16	109	86	42	85	2967	1	*3
3. 1/8	111.5	86	41	85	2996	1	*3
3. 1/4	115.3	86	44	90	3328	1	*3
3. 3/8	119	86	36	90	3389	1	*3
3. 1/2	124	86	40	95	3871	1	*3
3. 3/4	130.3	86	43	100	4377	1	*3
3. 7/8	135.3	86	47	105	5000	1	*3
4	137.8	86	46	105	5152	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P268-269

18405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	66	35	70	1258	2	*2
55	80.3	66	39	75	1475	2	*2
56	81.5	66	39	75	1493	2	*2
60	86.5	66	39	75	1621	2	*2
65	92.8	66	38	75	1885	2	*2
70	99	66	37	75	1960	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3

18405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	66	35	70	1208	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

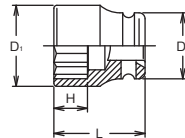
*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P268-269

18405M / 18405A

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



18401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
18	31	53	13	57	488	2	*1
19	32.3	53	13	57	492	2	*1
20	33.5	53	14	57	505	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
26	41	53	16	57	533	2	*1
27	42.3	53	16	57	540	2	*1
29	44.8	53	18	57	560	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
42	61	53	25	66	803	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	36	70	1153	2	*2
50	71	65	35	70	1235	2	*2

18401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

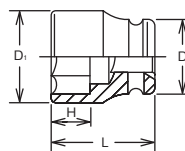
*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P268-269

18401M / 18401A

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



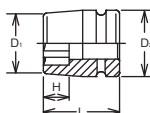
18410M



Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE



18410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	13	57	570	2	*1
22	39	54	15	57	620	2	*1
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

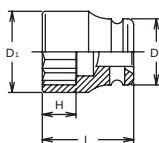
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18405M (D)



Sockets for Cardan Shafts
Steckschlüssel für Gelenkwellen
Douilles pour arbres à cardan

No Warranty
Keine Garantie
Sans Garantie



18405M (D) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
50(D68)	68	66	35	70	890	2	*2
55(D76)	76	66	39	75	1130	2	*2
65(D87)	87	66	38	75	1344	2	*2

*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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.



18301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	65	55	—	90	1458	2	*2

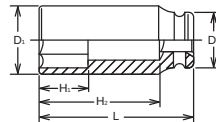
*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P268-269



18301X

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



18300M / 18300A

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



18300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
17	32.8	54	17	77	108	1000	2	*1
19	35.3	54	19	77	108	1010	2	*1
20	36.5	54	20	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	66	67	—	108	1729	2	*2
50	74	66	66	—	108	1879	2	*2
52	76.5	66	65	—	108	2000	2	*2
55	80.3	66	63	—	108	2088	2	*2
60	86.5	66	60	—	108	2290	2	*2
65	92.8	66	58	—	108	2643	2	*2
70	99	66	55	—	108	2792	1	*2
75	105.3	86	52	—	108	3646	1	*3
80	111.5	86	49	—	108	4039	1	*3
85	117.8	86	59	—	108	4000	1	*3
90	124	86	57	—	108	4200	1	*3
95	130.3	86	55	—	108	4400	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82
*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P268-269

18300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	—	108	1729	2	*2
1.15/16	72.8	66	67	—	108	1799	2	*2
2	75.3	66	66	—	108	1834	2	*2
2. 1/16	76.5	66	65	—	108	2000	2	*2
2. 1/8	79	66	64	—	108	2044	2	*2
2. 3/16	80.3	66	63	—	108	2088	2	*2
2. 1/4	82.8	66	62	—	108	2153	2	*2
2. 5/16	84	66	61	—	108	2225	2	*2
2. 3/8	86.5	66	60	—	108	2290	2	*2
2. 7/16	89	66	59	—	108	2364	2	*2
2. 1/2	91.5	66	58	—	108	2581	2	*2
2. 9/16	92.8	66	58	—	108	2643	2	*2
2. 5/8	95.3	66	56	—	108	2711	1	*2
2. 3/4	99	66	55	—	108	2792	1	*2
2. 7/8	102.8	86	53	—	108	3600	1	*3
2.15/16	105.3	86	52	—	108	3646	1	*3
3	106.5	86	51	—	108	3677	1	*3
3. 1/16	109	86	50	—	108	3939	1	*3
3. 1/8	111.5	86	49	—	108	4039	1	*3
3. 3/16	112.8	86	48	—	108	4170	1	*3

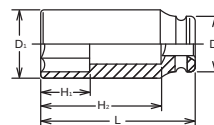
Impact Sockets Impact Steckschlüssel Douilles Impact

1"

18301M / 18301A



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



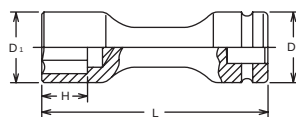
18301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	980	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 7/16	54.8	53	37	76	108	1000	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 9/16	58.5	53	38	75	108	1200	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1. 3/4	64.8	53	38	74	108	1360	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

18301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
42	61	53	38	75	108	1245	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2
70	96	65	55	-	108	2630	1	*2

18104M



Special Sockets for Spring Clamps
Steckschlüssel für Federklammer
Douilles pour brides de ressorts



*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82

➔ P268-269

18104M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
➔ P268-269

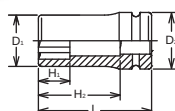
18310M



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



SURFACE DRIVE



18310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
➔ P268-269

18106-16 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	54	9	24	92	686	2	*1
12	54	9	24	92	692	2	*1
13	54	9	24	92	696	2	*1
14	54	11	24	92	700	2	*1
16	54	—	24	92	709	2	*1
17	54	—	24	92	713	2	*1
18	54	—	24	92	718	2	*1
19	54	—	24	92	764	2	*1
22	54	—	24	92	781	2	*1

18106-16 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/2	54	9	24	92	696	2	*1
9/16	54	11	24	92	700	2	*1
5/8	54	11.5	24	92	709	2	*1
3/4	54	—	24	92	764	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18106-16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18106-16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	54	44	112	723	2	*1
M16	54	44	112	733	2	*1
M18	54	44	112	743	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

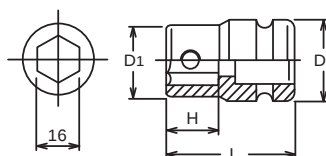
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16106-SC



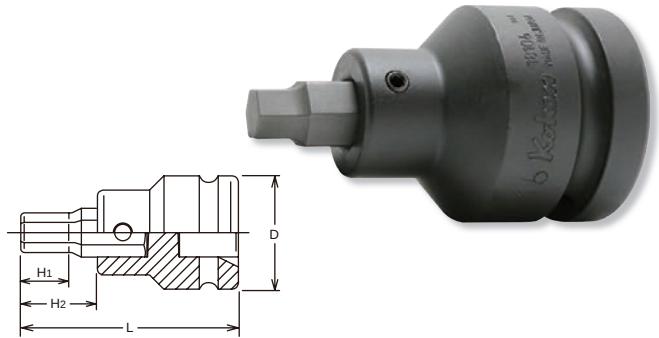
Replacement Screw : M6x10, 3mm
Ersatzschraube : M6x10, 3mm
Vis de remplacement : M6x10, 3mm



18106-16



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



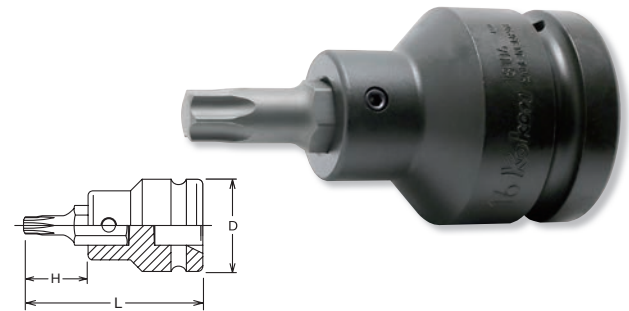
The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm 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 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18106-16(T)



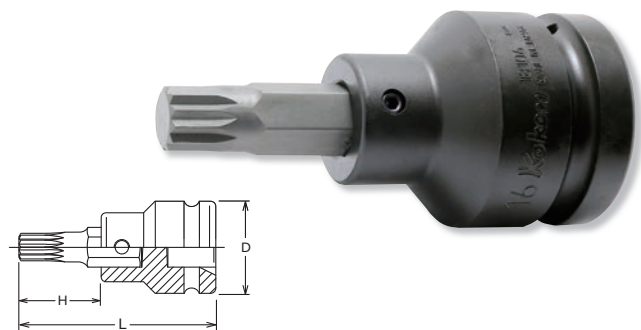
TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis, TORX®



18106-16(XZN)



XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN



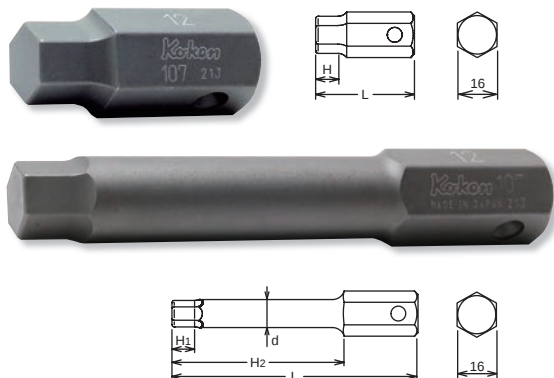
18106



Bit Holder
Klingenhalter
Porte embouts



107-16 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux

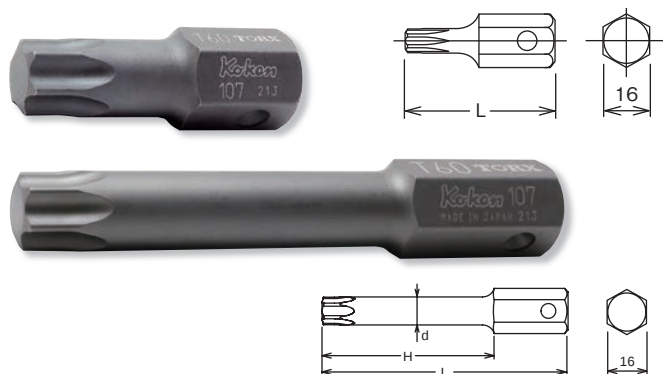


107-16 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	9	40	46	10
12	9	40	52	10
13	9	40	56	10
14	11	40	60	10
16	-	40	69	10
17	-	40	73	10
18	-	40	78	10
19	-	40	80	10
22	-	40	97	10

107-16 (inch)	H (mm)	L (mm)	(g)	(pcs.)
3/8	9	40	45	10
7/16	9	40	53	10
1/2	9	40	56	10
9/16	11	40	60	10
5/8	11.5	40	69	10
3/4	-	40	80	10

107-16(L100) (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	d (mm)	(g)	(pcs.)
10	9	70	100	13	118	10
12	9	70	100	15	141	10
14	11	-	100	-	163	10
17	-	-	100	-	185	10
19	-	-	100	-	228	10
22	-	-	100	-	293	10

107-16 (T) TORX® Bits TORX® Klingen Embout, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T45	70	100	8	95	10
T50	70	100	9	100	10
T55	70	100	11.4	104	10
T60	70	100	13.4	123	10
T70	70	100	15.7	148	10

107-16 (IP) TORXPLUS® Bits TORXPLUS® Klingen Embout TORXPLUS®



107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN) Bits XZN Klingen XZN Embout de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M14	70	100	13.4	126	10
M16	70	100	15.8	153	10
M18	-	100	17.1	173	10

 The items with  have larger output sizes than 16mm input drive.
Due to this design the maximum output torque rating is less than standard.
Die mit  gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm 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 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18107-22 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
19	54	18.3	28	98	910	2	*1
22	54	-	28	98	932	2	*1
24	54	-	28	98	946	2	*1
27	54	-	28	98	986	2	*1
30	54	-	28	98	1008	2	*1
32	54	-	28	103	1029	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16107-SC

Replacement Screw : M8x14, 4mm
Ersatzschraube : M8x14, 4mm
Vis de remplacement : M8x14, 4mm

107-22 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	17	50	120	10
19	18.3	50	140	10
22	-	50	162	10
24	-	50	176	10
27	-	50	200	10
30	-	50	227	10
32	-	50	243	10

107-22 (inch)	H (mm)	L (mm)	(g)	(pcs.)
5/8	16.6	50	120	10
3/4	19.3	50	140	10
7/8	-	50	162	10
1	-	50	190	10
1. 1/4	-	50	243	10

107-22(L140) (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	20	140	431	5
19	20	140	441	5
22	-	140	460	5
24	-	140	513	5

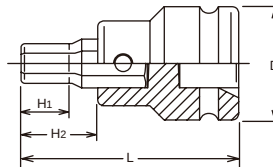
107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22(L140) (T)	L (mm)	(g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5

18107-22



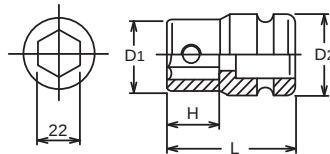
Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



18107



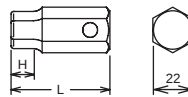
Bit Holder
Klingenhalter
Porte embouts



107-22



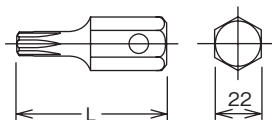
Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



107-22 (T)



TORX® Bits
TORX® Klingen
Embouts, TORX®

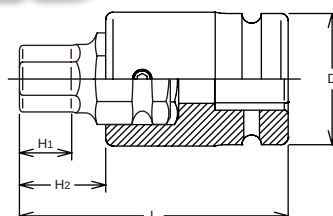


The items with ⚠ have larger output sizes than 22mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 22mm 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 22mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18108-32 Bit Holder complete with Bit, Inhex Klingenhälter komplett mit Klinge, Innensechskant Porte embouts avec bit 6-pans creux



18108-32 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
19	54	17	30	105	1230	2	*1
22	54	17.3	30	105	1250	2	*1
24	54	22.2	30	105	1260	2	*1
27	54	22	30	105	1290	2	*1
30	54	22.2	30	105	1320	2	*1
32	54	–	30	105	1340	2	*1
36	54	–	30	105	1390	2	*1 

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



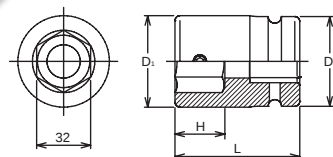
The items with  have larger output sizes than 32mm input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit  gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm 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 32mm.

En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18108 Bit Holder Klingenhälter Porte embouts



	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18108	55	54	30	75	930	2	*1

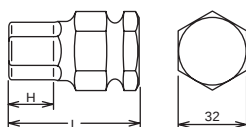
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18108-SC



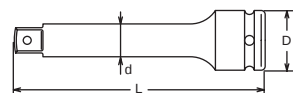
Replacement Screw : M8×12,  4mm
Ersatzschraube : M8×14,  4mm
Vis de remplacement : M8×14,  4mm

107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans mâle creux



107-32 (mm)	H (mm)	L (mm)	(g)	(pcs.)
19	17	60	300	10
22	17.3	60	320	10
24	22.2	60	330	10
27	22	60	360	10
30	22.2	60	390	10
32	–	60	410	10
36	–	60	460	10 

18760 Extension Bars Verlängerungen Rallonges



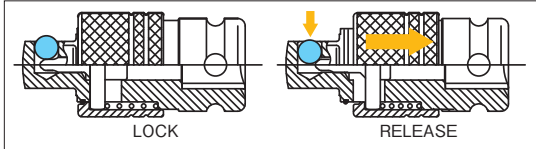
	D (mm)	d (mm)	L (mm)	(g)	(pce.)	
18760-175	54	32.6	175	1400	1	*1
18760-200	54	32.6	200	1580	1	*1
18760-250	54	32.6	250	1885	1	*1
18760-330	54	32.6	330	2380	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

	D (mm)	L (mm)	(g)	(pcs.)	
18888AL	52	95	980	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → 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.

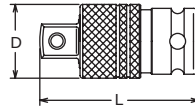
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.



LOCKING ADAPTOR

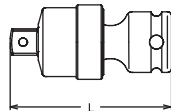
18888AL

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



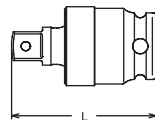
18770

Universal Joint
Gelenk-Einsatz
Joint articulé



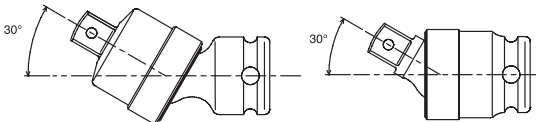
18771

Universal Joint
Gelenk-Einsatz
Joint articulé



	L (mm)	(g)	(pce.)	
18770	127	1350	1	*1
18771	115	1210	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → 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.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
18866A	1"	3/4"	66.5	580	2	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

⚠ 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.

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

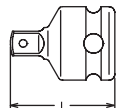
18866A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie

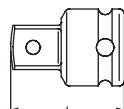


18866A-200



18877A

Adaptor
Verbindungsstück
Augmentateur

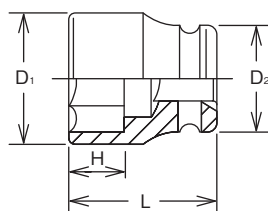


17400M / 17400A

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



FLAT DRIVE®



17400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
57	87	86	43	90	2460	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➡ P268-269

1-1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

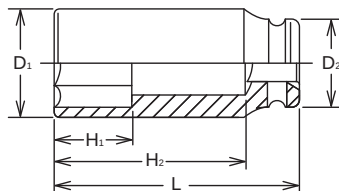
17405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.13/16	105	86	55	105	3400	1	*1
2.15/16	108	86	56	105	3700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71

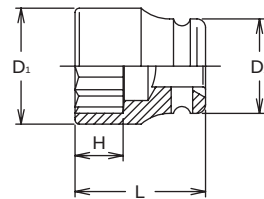
*2 Pin/O-Ring=A72/B72

→ P268-269



17405M / 17405A

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



17300M / 17300A

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



17300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

→ P268-269

17300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

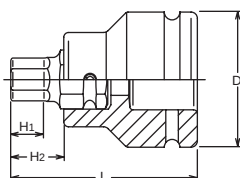
Impact Sockets Impact Steckschlüssel Douilles Impact

1-1/2"

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

17108-32

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



17108-32 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)	
19	86	17	30	115	2500	1	*1
22	86	17.3	30	115	2520	1	*1
24	86	22.2	30	115	2530	1	*1
27	86	22	30	115	2560	1	*1
30	86	22.2	30	115	2590	1	*1
32	86	—	30	115	2610	1	*1
36	86	—	30	115	2660	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269



The items with have larger output sizes than 32mm Input drive.
Due to this design the maximum output torque rating is less than standard.

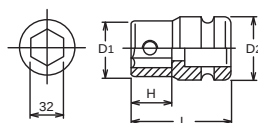
Die mit gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ont des tailles de sortie plus importantes que l'entraînement d'entrée 32mm.

En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

17108

Bit Holder
Klingenhalter
Porte-embouts



	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

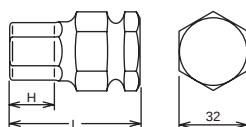
16107-SC



Replacement Screw : M8×14, ● 4mm
Ersatzschraube : M8×14, ● 4mm
Vis de remplacement : M8×14, ● 4mm

107-32

Bit for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans mâle creux



107-32 (mm)	H (mm)	L (mm)	(g)	(pcs.)
19	17	60	300	10
22	17.3	60	320	10
24	22.2	60	330	10
27	22	60	360	10
30	22.2	60	390	10
32	—	60	410	10
36	—	60	460	10

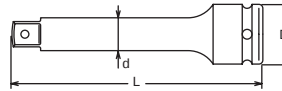


1-1/2" Impact Sockets Impact Steckschlüssel Douilles Impact

	D (mm)	d (mm)	L (mm)	(g)	(pce.)	
17760-175	86	43	175	3300	1	*1
17760-250	86	43	250	4500	1	*1
17760-330	86	43	330	5200	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

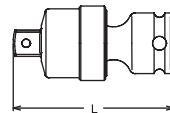
17760 Extension Bars Verlängerungen Rallonges



	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

17770 Universal Joint Gelenk-Einsatz Joint articulé



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

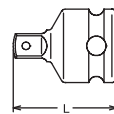
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Die mit **⚠** gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen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

17788A **⚠** Adaptor Verbindungsstück Réducteur

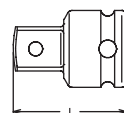
No Warranty
Keine Garantie
Sans Garantie



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17799A	1.1/2"	2.1/2"	115	3790	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

17799A Adaptor Verbindungsstück Augmentateur

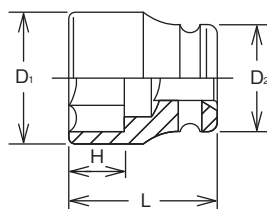


19400M / 19400A

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



FLAT DRIVE®



19400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

*1 Pin/O-Ring=A91/B91

*2 Pin/O-Ring=A92/B92

➔ P269

2-1/2" Impact Sockets

Impact Steckschlüssel

Douilles Impact

19300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

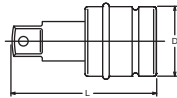
*1 Pin/O-Ring=A91/B91

*2 Pin/O-Ring=A92/B92



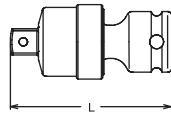
	D (mm)	L (mm)	(g)	(pce.)	
19760-250	127	250	17800	1	*1
19760-500	127	500	27800	1	*1

*1 Pin/O-Ring=A91/B91



	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=A91/B91



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

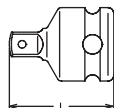
*1 Pin/O-Ring=A91/B91



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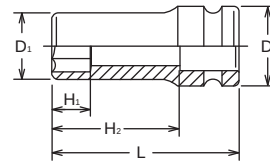
Il est possible d'appliquer aux articles marqués **⚠** des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.



19300M



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



19760

Extension Bars
Verlängerungen
Rallonges



19770

Universal Joint
Gelenk-Einsatz
Joint articulé



19977A

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie



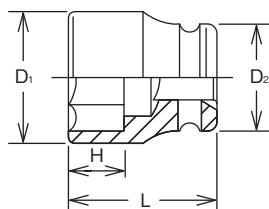
10400M / 10400A



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



FLAT DRIVE®



10400M	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=A01/B01

➔ P269

*2 Pin/O-Ring=A02/B02

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=A01/B01

➔ P269

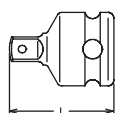
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10099A

Adaptor
Verbindungsstück
Réducteur



SLEEVE-DRIVE SOCKETS
SLEEVE-DRIVE STECKSCHLÜSSEL
DOUILLES, SLEEVE DRIVE

3/8"

1/2"

3/4"

Sleeve-Drive Sockets

Sleeve-Drive Steckschlüssel

Douilles, Sleeve Drive



The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

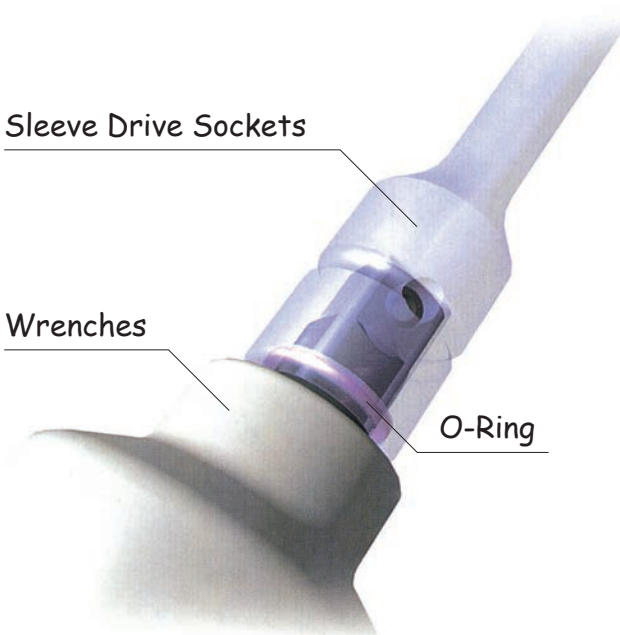
Der **Sleeve-Drive** Vierkant-Antrieb vermeidet durch die vertiefte Passung den "Wackelkontakt" zwischen Maschine - Verlängerung - Steckschlüssel. Ein im **Antriebsende der Sleeve-Drive-Steckschlüssel** eingesetzter Ring optimiert den festen Sitz der Verlängerungen und Steckschlüssel auf der Schrauberspindel und sorgt somit für die unmittelbare Weitergabe des vorgegebenen Drehmomentes ohne wesentliche Drehkraftverluste. Nicht zuletzt vermeidet der **Sleeve-Drive** Antrieb die Übertragung von Schwingungen auf Mensch und Maschine.

Ces nouveaux outils **Sleeve-Drive** se caractérisent par un entraînement carré allongé et un joint torique incorporé. Le guidage rigide ainsi obtenu maintient les outils **Sleeve-Drive** dans l'axe de la broche de la machine et garantit une connection optimale machine-rallonges-douilles. Le jeu latéral et les vibrations engendrés par les outils traditionnels sont de ce fait supprimés. Il en résulte une transmission plus précise du coupe de serrage et un plus grand confort de travail pour l'opérateur.

Sleeve Drive Sockets

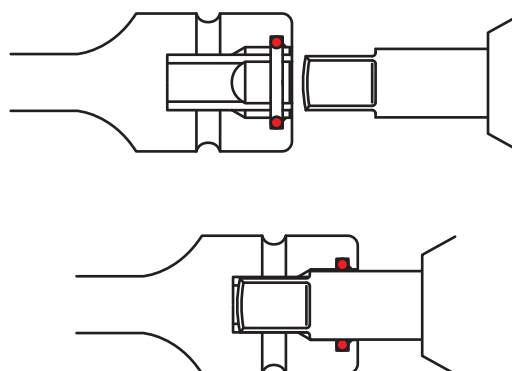
Wrenches

O-Ring



SLEEVE DRIVE SOCKET

PULSE TOOL

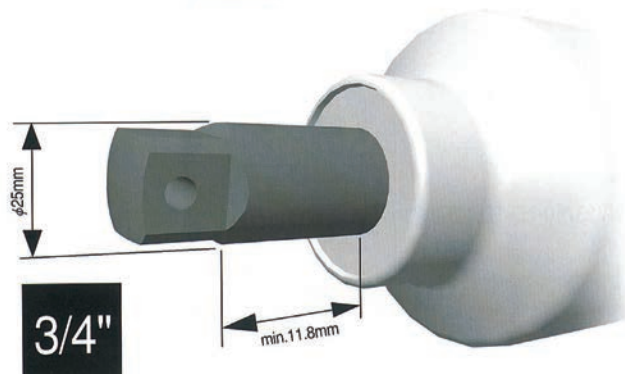
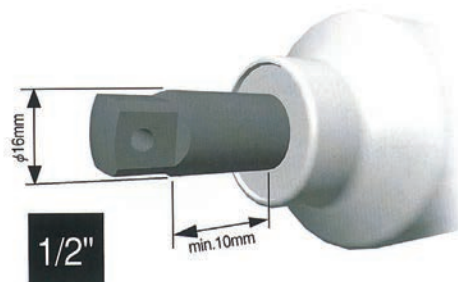
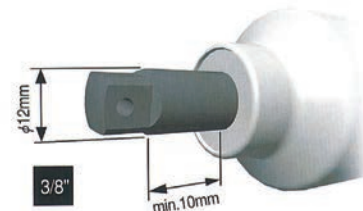


The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Die serienmässigen "**Sleeve Drive**" Steckschlüssel können nur auf Impuls Schraubern mit Antriebswellen der nachstehenden Längen und Durchmesser gesteckt werden.

Les douilles "**Sleeve Drive**" ne peuvent être placées que sur des axes des boulonneuses à impulsions d'une longueur et d'un diamètre selon la spécification ci-dessous.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



3/8"

Sleeve-Drive Sockets
Sleeve-Drive Steckschlüssel
Douilles, Sleeve Drive

NV13400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	43	53	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

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

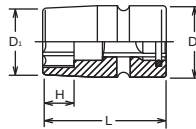
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

NV13400



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



NV13145-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	5	*1
8	13	19	8	100	110	5	*1
10	15.5	19	10	100	112	5	*1
12	18	19	12	100	120	5	*1
13	19	19	13	100	127	5	*1
14	21	19	14	100	131	5	*1
15	22	19	15	100	133	5	*1
16	24	19	15	100	144	5	*1
17	25	19	15	100	154	5	*1

NV13145-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	160	5	*1
8	13	19	8	150	160	5	*1
10	15.5	19	10	150	165	5	*1
12	18	19	12	150	168	5	*1
13	19	19	13	150	170	5	*1
14	21	19	14	150	175	5	*1
15	22	19	15	150	177	5	*1
16	24	19	15	150	190	5	*1
17	25	19	15	150	203	5	*1

NV13145-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	210	5	*1
8	13	19	8	200	210	5	*1
10	15.5	19	10	200	212	5	*1
12	18	19	12	200	214	5	*1
13	19	19	13	200	218	5	*1
14	21	19	14	200	220	5	*1
15	22	19	15	200	226	5	*1
16	24	19	15	200	235	5	*1
17	25	19	15	200	250	5	*1

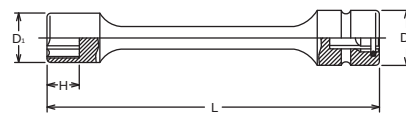
*1 C-Ring=C31, Pin/O-Ring=A31/B31

→ P268-269

NV13145-100 / -150 / -200



Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



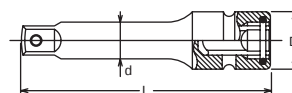
	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
NV13760-75P	19	12	75	95	10	*1
NV13760-125P	19	12	125	125	5	*1
NV13760-150P	19	12	150	150	5	*1
NV13760-250P	19	12	250	255	5	*1

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

→ P268-269

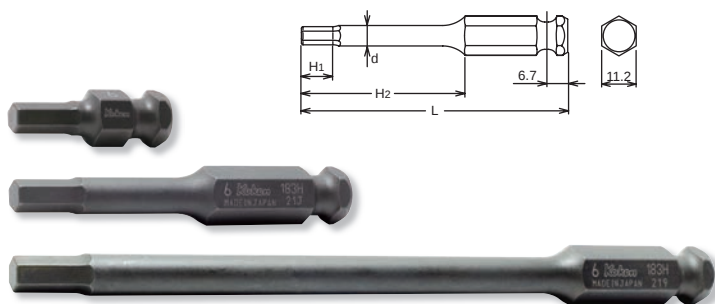
NV13760-P

Extension Bars
Verlängerungen
Rallonges



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

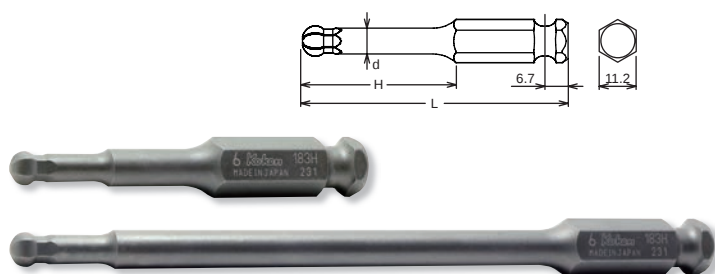
183H-35 (inch)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/16	10	18	35	15	10
7/32	12	18	35	16	10
1/4	12	18	35	18	10
5/16	12	18	35	20	10
3/8	15.2	18	35	26	10
7/16	-	18	35	28	10
1/2	-	18	35	38	10

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

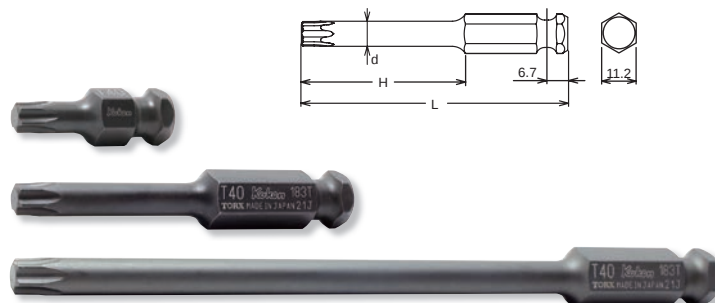


183H-75B (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
6B	42.5	75	5.7	39	10
8B	42.5	75	7.7	44	10
10B	42.5	75	9.7	49	10
12B	42.5	75	11.7	72	10

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.

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®**.

3/8", 1/2"

Sleeve-Drive Sockets
Sleeve-Drive Steckschlüssel
Douilles, Sleeve Drive

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

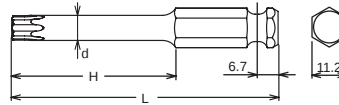
183X-75 (XZN)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
M 4	42.5	75	6	34	10
M 5	42.5	75	6	34	10
M 6	42.5	75	6.2	36	10
M 8	42.5	75	7.4	39	10
M10	42.5	75	9.8	54	10
M12	42.5	75	11.7	57	10
M14	42.5	75	13.5	67	10

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

183T-35 / -75 (IP)

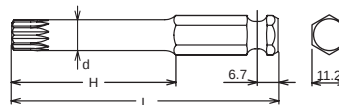
TORXplus

TORXPLUS® Bits
TORXPLUS® Bits
Embout TORXPLUS®



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

XZN Bits
XZN Bits
Embout, XZN



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

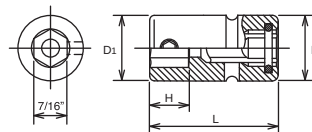
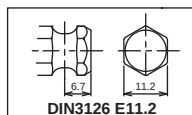
Die mit gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	24	22	15	45	100	5	*1

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

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



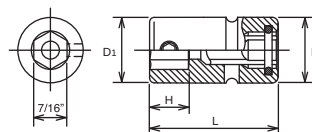
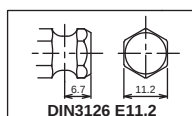
16134-SC

Replacement Screw : M8×6, ●4mm

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	24	25	15	55	130	5	*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

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TORXplus est une marque déposée de CAMCAR Innovations®.

Koken TOOL CO., LTD.

Sleeve-Drive Sockets

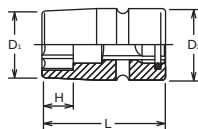
Sleeve-Drive Steckschlüssel

Douilles, Sleeve Drive

1/2"

NV14400

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



NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	52	120	10	*1
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

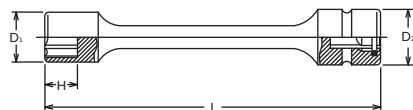
*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

NV14145-100 / -150 / -200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



NV14145-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

NV14145-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

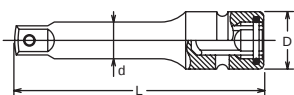
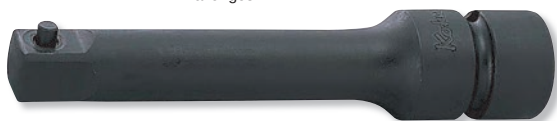
NV14145-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

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

→ P268-269

NV14760-P

Extension Bars
Verlängerungen
Rallonges



	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
NV14760-75P	Pin	25	16	75	149	10	*1
NV14760-125P	Pin	25	16	125	226	5	*1
NV14760-175P	Pin	25	16	175	308	5	*1
NV14760-250P	Pin	25	16	250	422	1	*1

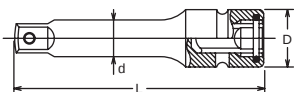
*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P268-269

NV14433A-P

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



NV14433A	(SQ.)	(SQ.)	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
NV14433A-75P	1/2"	3/8"	25	12	75	120	10	*1
NV14433A-100P	1/2"	3/8"	25	12	100	145	10	*1
NV14433A-150P	1/2"	3/8"	25	12	150	187	5	*1

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

→ P268-269

⚠ 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.

3/4"

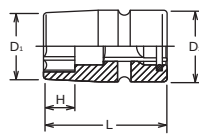
Sleeve-Drive Sockets
Sleeve-Drive Steckschlüssel
Douilles, Sleeve Drive

NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

NV16400

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



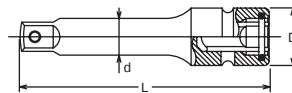
NV16760

Extension Bars
Verlängerungen
Rallonges



	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
NV16760-175	44	25	175	870	1	*1
NV16760-250	44	25	250	1160	1	*1
NV16760-330	44	25	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



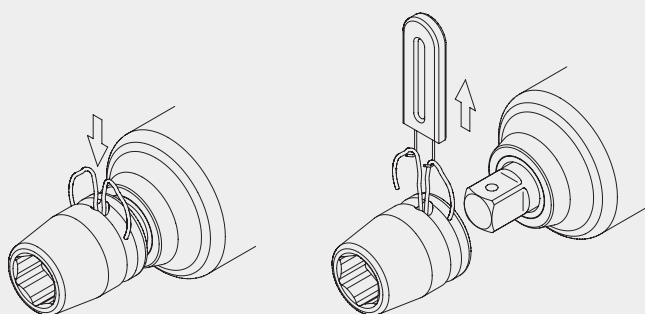
C-Ring Lock Clamps and Pullers Sicherungsklemmen und Abzieher Crochets de sécurité et extracteurs



One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

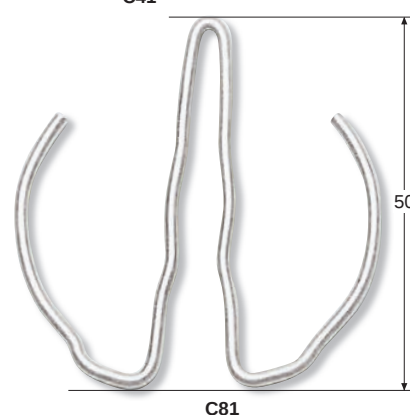
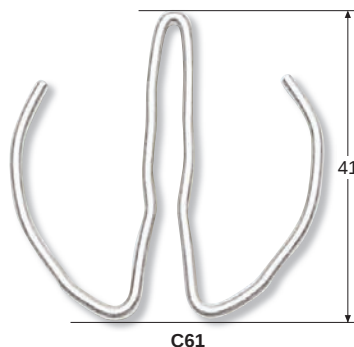
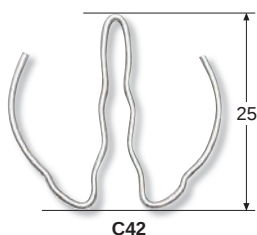
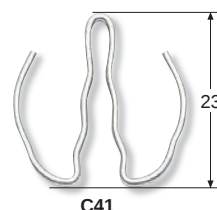
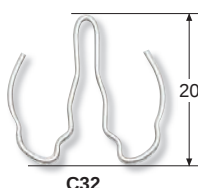
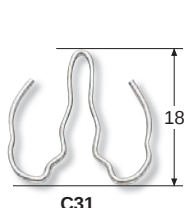
Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

Acier à ressorts, en une pièce. Mise en place d'une simple pression du pouce, enlèvement au moyen de la griffe d'extraction. Beaucoup plus facile et sûr que la combinaison goupille/bague.



C-Ring

No.	Opening (mm)	Opening (mm)	(pcs.)
C31	3/8"	≤12	100
C32	3/8"	>12	100
C41	1/2"	≤14	100
C42	1/2"	>14	100
C61	3/4"	≤46	100
C81	1"	≤46	100
C82	1"	47-70	50
C83	1"	>70	50
C71	1-1/2"	≤90	50



C-Ring Set

Set No.	Opening (mm)	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 + 149	
PKC32	3/8"	C32 + 149	
PKC41	1/2"	C41 + 149	
PKC42	1/2"	C42 + 149	
PKC61	3/4"	C61 + 152	
PKC81	1"	C81 + 152	

Puller

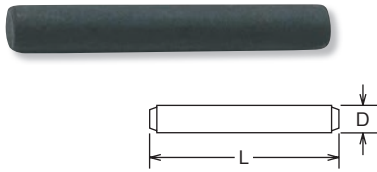
No.	Opening (mm)	Opening (mm)	(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10



149



152



Pin

No.	□	Opening (mm)	D (mm)	L (mm)	(pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≤ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≤ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≤ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≤ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≤ 90	6	75	50
A72	1-1/2"	> 90	6	110	1
A91	2-1/2"	≤ 115	8	110	1
A92	2-1/2"	> 115	8	155	1
A01	3-1/2"	≤ 140	13	155	1
A02	3-1/2"	> 140	13	180	1



O-Ring

No.	□	Opening (mm)	D ₁ (mm)	D ₂ (mm)	(pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≤ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≤ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≤ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≤ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≤ 90	10	75	50
B72	1-1/2"	> 90	10	114	1
B91	2-1/2"	≤ 115	10.5	114	1
B92	2-1/2"	> 115	10.5	158	1
B01	3-1/2"	≤ 140	15	158	1
B02	3-1/2"	> 140	15	183	1



Pins & O Rings/C-Ring Lock Clamps
Halteringe und Stifte/Sicherungsklemmen
Goupilles et joncs/Crochets de sécurité

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

CONSTRUCTION

SPARE PART

IMPACT Standard Sockets	Sq. Dr.	1/4"	3/8"		1/2"		3/4"		1"			1-1/2"	
	C-Ring		C31	C32	C41	C42	C61		C81	C82	C83	C71	
	Pin / O-Ring	A21 / B21	A31 / B31	A32 / B32	A41 / B41	A42 / B42	A61 / B61	A62 / B62	A81 / B81	A82 / B82	A83 / B83	A71 / B71	A72 / B72
4		●											
4.5	3/16	●											
5		●											
5.5		●											
6	1/4	●	●		●								
7	9/32	●	●		●								
8	5/16	●	●		●								
9	11/32	●	●		●								
10	3/8	●	●		●								
11	7/16	●	●		●								
12		●	●		●								
13	1/2	●		●	●								
14	9/16	●		●	●		●						
15				●		●	●						
16	5/8			●		●	●						
17	11/16			●		●	●		●				
18				●		●	●		●				
19	3/4			●		●	●		●				
20				●		●	●		●				
21	13/16			●		●	●		●				
22	7/8			●		●	●		●				
23				●		●	●		●				
24	15/16			●		●	●		●				
25	1					●	●		●				
26						●	●		●				
27	1- 1/16					●	●		●				
28						●	●		●				
29	1- 1/8					●	●		●				
30	1- 3/16					●	●		●				
31						●	●		●				
32	1- 1/4					●	●		●				
33	1- 5/16					●	●		●				
34	1- 3/8					●	●		●				
36						●	●		●			●	
37	1- 7/16					●	●		●			●	
38	1- 1/2					●	●		●			●	
39						●	●		●			●	
40	1- 9/16					●	●		●			●	
41	1- 5/8					●	●		●			●	
42							●		●			●	
43	1- 11/16						●		●			●	
44							●		●			●	
45	1- 3/4						●		●			●	
46	1- 13/16						●		●			●	
47								●		●		●	
48	1- 7/8							●		●		●	
	1- 15/16							●		●		●	
50								●		●		●	
	2							●		●		●	
52	2- 1/16							●		●		●	
54	2- 1/8							●		●		●	
55	2- 3/16							●		●		●	
56								●		●		●	
	2- 1/4							●		●		●	
58	2- 5/16							●		●		●	
60	2- 3/8							●		●		●	
62	2- 7/16							●		●		●	
63								●		●		●	
	2- 1/2							●		●		●	
65	2- 9/16							●		●		●	
67	2- 5/8							●		●		●	
68	2- 11/16							●		●		●	
70	2- 3/4							●		●		●	
	2- 13/16										●	●	
	2- 7/8										●	●	
75	2- 15/16										●	●	
	3										●	●	
	3- 1/16										●	●	
80	3- 1/8										●	●	
	3- 1/4										●	●	
85											●	●	
	3- 3/8										●	●	
90	3- 1/2										●	●	
	3- 5/8										●	●	
95	3- 3/4										●	●	
100	3- 7/8										●	●	
105	4										●		●
	4- 1/8												●
110	4- 1/4												●
115	4- 1/2												●
120	4- 5/8												●
	4- 3/4												●
125	4- 7/8												●
130	5												●
135	5- 1/4												●
140													●
150													●
	6												●
	6- 1/2												●

SOCKETS WITH TURNABLE PLASTIC PROTECTORS
STECKSCHLÜSSEL MIT DREHBAREN SCHUTZHÜLSEN AUS KUNSTSTOFF
DOUILLES A PROTECTIONS PLASTIFIEES





Safety

Turnable plastic protector increases operator's safety during assembly process.

Unsere drehbaren Kunststoff-Hülsen erhöhen die Arbeitssicherheit während des Montageprozesses.

Nos protections rotatives plastifiées augmentent la sécurité lors du montage.

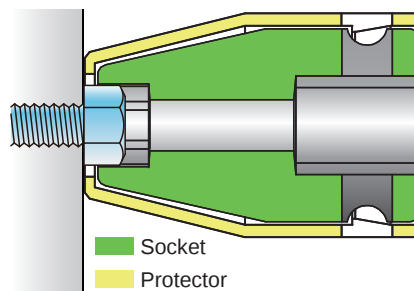


Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

Die Protektoren vermeiden Beschädigungen an lackierten-, polierten- bzw. empfindlichen Oberflächen. Unsere Protektoren sind frei drehbar.

Les protections évitent des endommagements sur des surfaces laquées, polies ou sensibles. Nos protections ont une libre rotation.

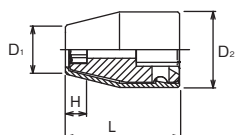


13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60

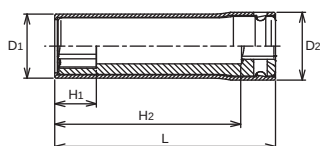


13400M-FR

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



13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173

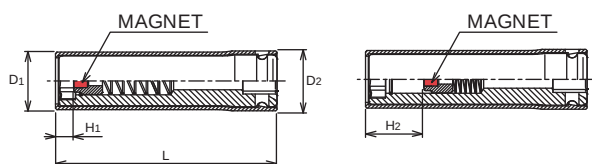


13300M-FR

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



13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	5	27.5	81.3	87
10FR	18.6	22	5.5	27	81.3	110
12FR	21.1	22	7	27	81.3	141
13FR	22.3	25	7.5	26	81.3	170
14FR	23.6	25	8	25	81.3	191
16FR	26	25	8.5	28	81.3	215
17FR	27.2	25	9	28	81.3	225

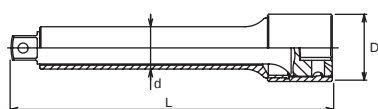


13300G-FR

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



	D (mm)	d (mm)	L (mm)	(g)
13760-75P.FR	26.2	17.1	75	100
13760-125P.FR	26.2	17.1	125	145
13760-250P.FR	26.2	17.1	250	220



13760-P.FR

Extension Bars
Verlängerungen
Rallonges



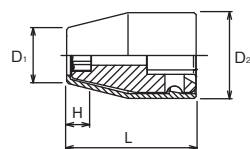
The protector could be broken with any impacts. Please handle with care.
Der Protektor kann durch Stöße beschädigt werden. Bitte vorsichtig behandeln.

14400M-FR

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



14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
15FR	26.6	33	11	39.3	135
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
18FR	30.2	33	13	39.3	135
19FR	31	33	13	39.3	130

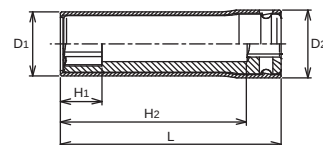


14300M-FR

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

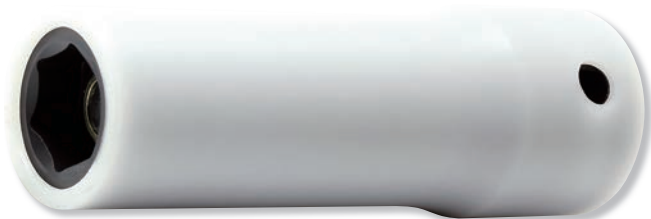


14300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
10FR	19.8	28	11	63	81.3	145
12FR	22.3	28	13	63	81.3	167
13FR	23.5	28	14	63	81.3	167
14FR	24.8	28	15	63	81.3	179
16FR	27.3	33	17	63	81.3	237
17FR	28.5	33	18	63	81.3	237
18FR	29.8	33	18	62	81.3	237
19FR	31	33	20	62	81.3	245

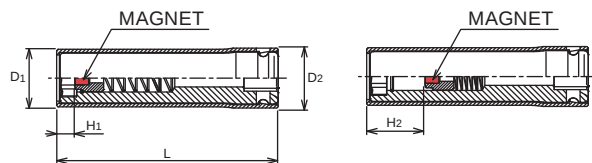


14300G-FR

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



14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
10FR	19.8	28	5.5	27	81.3	145
12FR	22.3	28	7	27	81.3	170
13FR	23.5	28	7.5	26	81.3	190
14FR	24.8	28	8	25	81.3	194
16FR	27.3	33	8.5	27.5	81.3	275
17FR	28.5	33	9	27.5	81.3	277
19FR	31	33	10	28.5	81.3	313

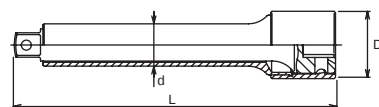


14760-P.FR

Extension Bars
 Verlängerungen
 Rallonges



	D (mm)	d (mm)	L (mm)	(g)
14760-75P.FR	34.2	20.5	75	195
14760-125P.FR	34.2	21.1	125	280
14760-250P.FR	34.2	21.1	250	480



The protector could be broken with any impacts. Please handle with care.
 Der Protektor kann durch Stöße beschädigt werden. Bitte vorsichtig behandeln.

113-75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45
14SV	21.3	9	75	45

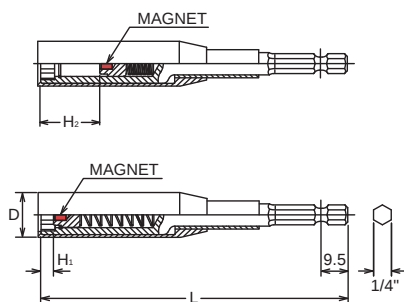
113-100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

113-150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80
14SV	21.3	9	150	80

115-75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54
14SV	21.3	6.4	75	54

115-100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67
14SV	21.3	6.4	100	67

115-150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87
14SV	21.3	6.4	150	87



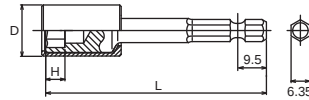
115G-100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

115G-150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110
14FR	21.3	7	24	150	110

The protector could be broken with any impacts. Please handle with care.
Der Protektor kann durch Stöße beschädigt werden. Bitte vorsichtig behandeln.

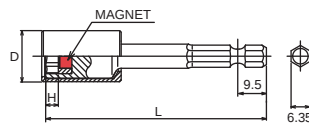
113-75SV / -100SV / -150SV

Nut Setters
Steckschlüssel Klingen
Embout pour écrous



115-75SV / -100SV / -150SV

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



115G-100FR / -150FR / -200FR

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



115G-200 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135
14FR	21.3	7	24	200	135



Specifications or design of any product in this catalogue are subject to change without notice.

Wir behalten uns das Recht vor, jedes in diesem Katalog gezeigte Werkzeug, auch ohne vorherige Ankündigung, in Ausführung und Design ändern zu dürfen.

Nous nous réservons le droit de modifier les modèles et les dimensions des outils présentés dans ce catalogue et ce sans autre notification préalable.



REPLACEMENT

Remove a damaged Protector and put a new Protector on socket / extension bar by pressing. For your safety, worn out or cracked Protector must be replaced.

AUSTAUSCH

Entfernen Sie defekte Protektoren und ersetzen Sie diese auf Ihrem Steckschlüssel/Verlängerung mittels einer Presse. Bitte tauschen Sie zu Ihrer Sicherheit verschlissene Protektoren aus !

REMPACEMENT

Retirez les protections défectueuses, remplacez celles-ci et fixez-les sur les douilles/rallonges à l'aide d'une presse. Pour votre sécurité remplacez toute protection défectueuse.

1/4"

3/8"

1/2"

INDUSTRIAL SOCKETS

STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG

CLÉS À DOUILLES, FINISSAGE INDUSTRIEL



◆ INDUSTRIAL SOCKETS

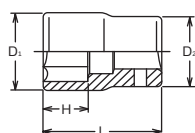


Industrial sockets are thin walled sockets to be used on electric or pneumatic nut runners for assembly work only.

Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

Les douilles Industrielles à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

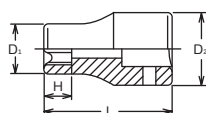
22400M 6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®

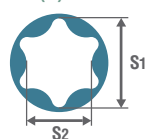
22400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425 TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



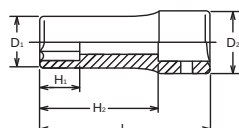
22425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

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

22300M / 22300A 6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



22300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.3	11.2	8	40	50	24	10
8	11.2	11.7	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10

22300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	11.2	7	40	50	24	10
5/16	11.2	11.7	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10