

# IMPACT

SOCKETS  
STECKSCHLÜSSEL  
DOUILLES

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"





















































3-1/2"



# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

Impact Sockets	Square Drive																
	1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			5/8"(15.9mm)SQ.			3/4"(19mm)SQ.				
	No.	Page		No.	Page		No.	Page		No.	Page		No.	Page			
 Standard Sockets	 6-point	12400M mm 190	13400M mm 194	14400M mm 212	15400M mm 232	16400M mm 234	12400A inch 190	13400A inch 194	14400A inch 212	15400A inch 232	16400A inch 234	13401M mm 195	14401M mm 213	16401M mm 235	13401A inch 195	14401A inch 213	16401A inch 235
	 6-point (Thin-walled)																
	 6-point (with Magnet)	12400MG mm 190	13400MG mm 196	14400MG mm 214				12400AG inch 190	13400AG inch 196								
	 12-point		13405M mm 194	14405M mm 212		16405M mm 234		13405A inch 194	14405A inch 212		16405A inch 234						
	 12-point (Thin-walled)		13406M mm 195	14406M mm 213				13406A inch 195	14406A inch 213								
	 Surface	12410M mm 190	13410M mm 196	14410M mm 214	15410M mm 232	16410M mm 235											
	 PATHFINDER®	12465M mm 191	13465M mm 197	14465M mm 215													
	 TORX® (E)	12425 TORX® 191	13425 TORX® 198	14425 TORX® 215		16425 TORX® 236		13425EG TORX® 198									
	 TORXplus® (EP)		13425-EPL TORXplus® 198	14425-EPL TORXplus® 215		16425-EPL TORXplus® 236											
	 TORXplus® (EPR)		13425-EPRL TORXplus® 198														
	 LH-S		13401LH LH-STIX® 199	14401LH LH-STIX® 214													
	 for Self Tapping Screws	12460M mm 191	13460M mm 197					12460A inch 191	13460A inch 197								
	 for Self Tapping Screws (with Magnet)	12460MG mm 191	13460MG mm 197					12460AG inch 191	13460AG inch 197								
	 Double Square			14415M mm 215													
	 for Weld Nut		13400-WN 199	14400-WN 215													
 Short Sockets	 6-point (Thin-walled)		13401MS mm 196	14401MS mm 214													
 Semi Deep Sockets	 6-point (Thin-walled)		13301X mm 199	14301X mm 216		16301X mm 236											
	 6-point (with Slide Magnet)		13300XG mm 200														
 Deep Sockets	 6-point	12300M mm 192	13300M mm 200	14300M mm 216	15300M mm 233	16300M mm 237	12300A mm 192	13300A mm 200	14300A mm 216	15300A mm 233	16300A mm 237	13301M mm 200	14301M mm 217	16301M mm 238	13301A inch 200	14301A inch 217	16301A inch 238
	 6-point (Thin-walled)																
	 6-point (with Slide Magnet)	12300G mm 192	13300G mm 201	14300G mm 218													
	 12-point		13305M mm 201	14305M mm 217		16305M mm 237											
	 12-point (Thin-walled)		13306M mm 201	14306M mm 217													
	 Surface		13310M mm 201	14310M mm 218	15310M mm 233	16310M mm 238											
	 PATHFINDER®	12365M mm 192	13365M mm 201	14365M mm 218													
 Extension Sockets	 6-point		13145M mm 203	14145M mm 220													
	 6-point (with Magnet)		13145MG mm 203	14145MG mm 220													
	 12-point		13145M(12P) mm 204														
 Universal Sockets	 6-point		13440M mm 202	14440M mm 219													
	 6-point (Extension)		13440A inch 202	14440A inch 219													
	 TORX® (E)		13146M mm 204	14146M mm 221													
 Bit Sockets	 Hexagon		13012M mm 205	14012M mm 222													
	 TORX® (T)		13025 TORX® 205	14025 TORX® 222													
 Bit Sockets (Bit changeable)	 Hexagon		13134M mm 208	14134M mm 225		16106-16 mm 239				16107-22 mm 241							
	 TORX® (T)		13134T(T) TORX® 208	14134T(T) TORX® 225		16106-16(T) TORX® 239											
	 TORXplus® (IP)		13134T(IP) TORXplus® 208	14134T(IP) TORXplus® 225													
	 XZN (Triple Square)		13134X(XZN) XZN 208	14134X(XZN) XZN 225		16106-16(XZN) XZN 239											
 Universal Bit Sockets	 Hexagon		13430M mm 202														
	 Hexagon (Extension)		13147M mm 204	14147M mm 221													
 Extension Bars		12760 193	13760 210	14760 228		16760 241											
 Universal Joints		12770 193	13770 211	14770 229	15770 233	16770 242		13771 211	14771 229	15771 233	16771 242						
			13772 211	14772 229													
 Adaptors		12233A 193	13322A 211	14433A 229	15544A 233	16644A 242		13344A 211	14455A 229	15566A 233	16655A 242						
			13333WA 210	14466A 228	15566A 233	16688A 242			14444WA 228								
 Locking Adaptors		12222AL 193	13333AL 210	14444AL 228	15555AL 233	16666AL 242			14466AL 228		16644AL 242						

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

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

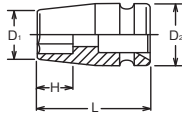
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/4"

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

## 12400M / 12400A

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



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

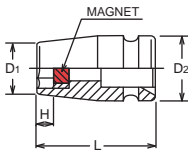
\*1 Pin/O-Ring=A21/B21 → P269

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

\*1 Pin/O-Ring=A21/B21 → P269

## 12400MG / 12400AG

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



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

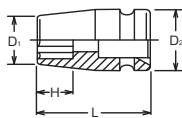
\*1 Pin/O-Ring=A21/B21 → P269

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

\*1 Pin/O-Ring=A21/B21 → P269

## 12410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



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

\*1 Pin/O-Ring=A21/B21 → P269

## SURFACE DRIVE

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

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

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

# 1/4"

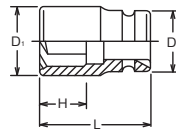
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

\*1 Pin/O-Ring=A21/B21 → P269



**12465M** Pathfinder Sockets  
Pathfinder Steckschlüssel  
Douilles Pathfinder



## PATHFINDER®

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

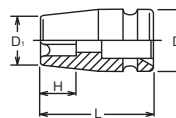
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

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

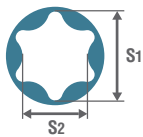
12425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

**12425** TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



### TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (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 <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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

\*1 Pin/O-Ring=A21/B21 → P269

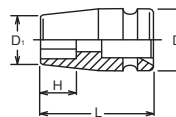
12460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

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

\*1 Pin/O-Ring=A21/B21 → P269

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

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



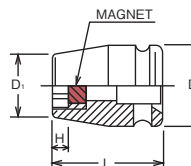
Socket for Self-Tapping Screws without infeed slope.

Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

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

## 12460MG / 12460AG

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



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

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

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

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/4"

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

## 12300M

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



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

\*1 Pin/O-Ring=A21/B21 → P269

## 12365M

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

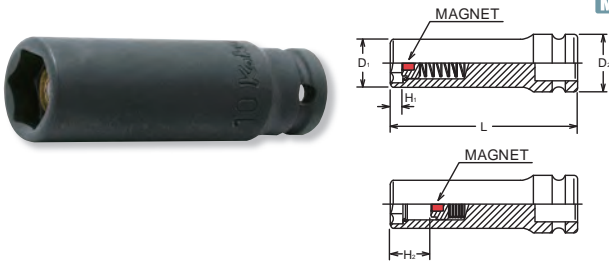


12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

## 12300G

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



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

\*1 Pin/O-Ring=A21/B21 → P269



## 12139

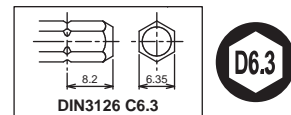
Impact Bit Holder  
Impact Klingenthaler  
Porte embouts Impact



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

\*1 Pin/O-Ring=A21/B21 → P269

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



## 12140

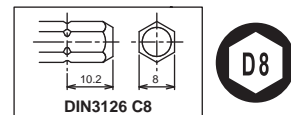
Impact Bit Holder  
Impact Klingenthaler  
Porte embouts Impact



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

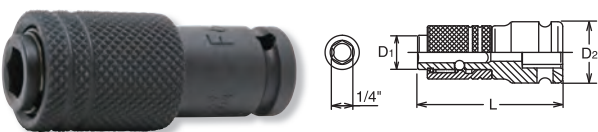
\*1 Pin/O-Ring=A21/B21 → P269

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



## 12142-F6.3

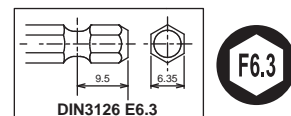
Impact Bit Holder  
Impact Klingenthaler  
Porte embouts Impact



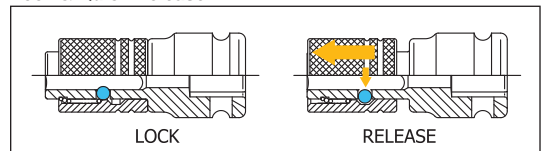
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	40	22	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

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



### Lock & Quick Release

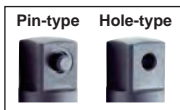


**!** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

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

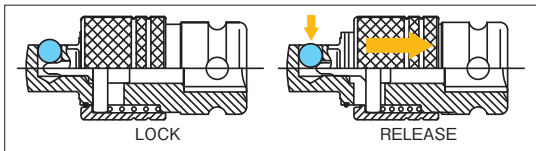
\*1 Pin/O-Ring=A21/B21 → P269



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

\*1 Pin/O-Ring=A21/B21 → P269

### Lock & Quick Release



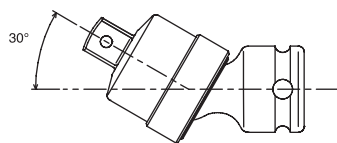
**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

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

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

\*1 Pin/O-Ring=A21/B21 → P269



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

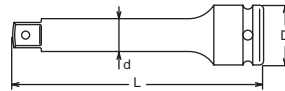
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

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

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

\*1 Pin/O-Ring=A21/B21 → P269

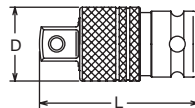
### 12760 Extension Bars Verlängerungen Rallonges



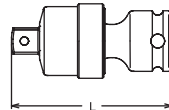
### 12222AL Adaptor (Quick Release) Schnellwechsel-Verbindungsstück Adaptateur autoserrant



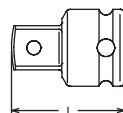
LOCKING ADAPTOR



### 12770 Universal Joint Gelenk-Einsatz Joint articulé



### 12233A Adaptor Verbindungsstück Augmentateur



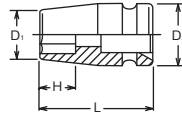
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

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

## 13400M / 13400A

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## RS13400M/11

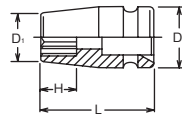
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

## 13405M / 13405A

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

# 3/8"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

## 13401M / 13401A

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

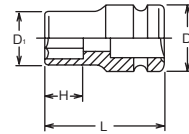


13401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10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

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

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

→ P268-269



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

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

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

→ P268-269

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

## RS13401M/9



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



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

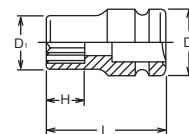
\*1 C-Ring=C31, Pin/O-Ring=A31/B31

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

→ P268-269

## 13406M / 13406A

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



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

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

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

→ P268-269

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

# Impact Sockets

## Impact Steckschlüssel

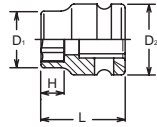
### Douilles Impact

# 3/8"

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

## 13401MS

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

## RS13401MS/11

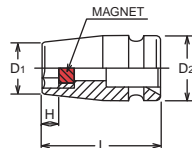
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

## 13400MG / 13400AG

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

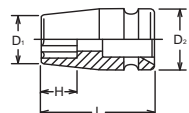
13400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

## 13410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

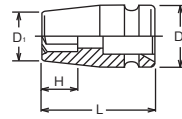
→ P268-269

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32



### 13465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder

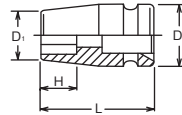


13460M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13460M / 13460A For Self-Tapping Screws Für selbstschneidende Schrauben Pour vis auto-taraudeuses



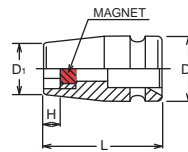
Socket for Self-Tapping Screws without infeed slope.  
Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.  
Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

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

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13460MG / 13460AG Sockets with magnets for Self-Tapping Screws Steckschlüssel mit Magnet für selbstschneidende Schrauben Douilles avec aimant pour vis auto-taraudeuses



Socket with Magnet for Self-Tapping Screws without infeed slope.  
Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.  
Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

MOTORCYCLE

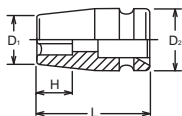
CONSTRUCTION

SPARE PART

## 13425



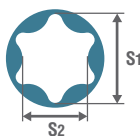
TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



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

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

### TORX® (E)

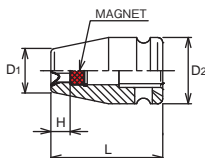


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

## 13425EG



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



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

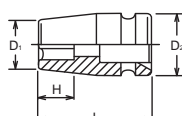
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

## 13425 (EPL)



TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®

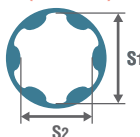
**TORX**plus®



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

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

### TORXplus® (EP/EPL)



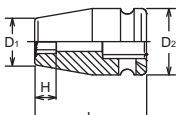
EP/EPL	7EP	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S <sub>1</sub> (ref. mm)	6.1	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub> (ref. mm)	4.7	5.7	7.1	8.5	9.8	11.2	12.7	14.0	15.4	16.8	18.2	19.6	20.9	22.3

## 13425 (EPRL)



Tamper-Resistant TORXPLUS® Sockets  
Tamper-Resistant TORXPLUS® Steckschlüssel  
Douilles Tamper-Resistant TORXPLUS®

**TORX**plus®



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

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

# 3/8"

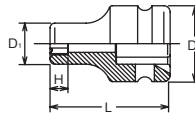
## Impact Sockets Impact Steckschlüssel Douilles Impact

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

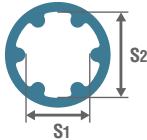
\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

### 13401LH

LHS Sockets  
Steckschlüssel mit LHS Profil  
Douilles au profil LHS



### LHSTIX®



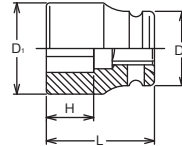
LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S <sub>1</sub>	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S <sub>2</sub>	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

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

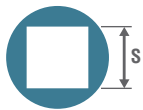
\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

### 13400-WN

Weld Nut Sockets  
Steckschlüssel für Schweissmuttern  
Douilles pour écrou à souder



### WN



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

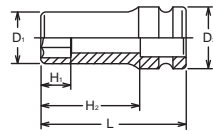
13301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	6	36.5	50	35	10	*1
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



### 13301X

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



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

### RS13301X/9

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



# Impact Sockets

## Impact Steckschlüssel

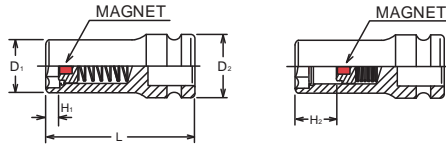
### Douilles Impact

# 3/8"

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

## 13300XG

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

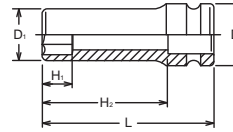


13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

## 13300M / 13300A

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



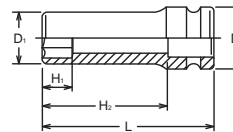
13300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

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

## 13301M / 13301A

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

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

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

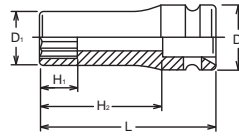
13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

### 13305M



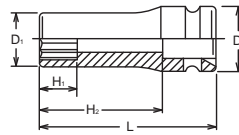
12-point Sockets, deep  
12-kant Steckschlüssel, lang  
Douilles longues, 12-pans



### 13306M



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



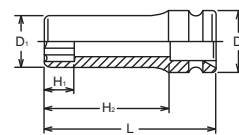
### 13310M



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



SURFACE DRIVE



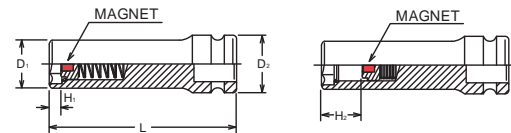
### 13300G



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



SLIDE MAGNET



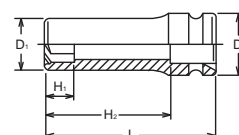
### 13365M



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



PATHFINDER®



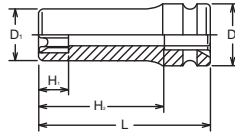
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

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

## 13325

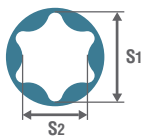
TORX® Deep Sockets  
TORX® Steckschlüssel, lang  
Douilles longues TORX®



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

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

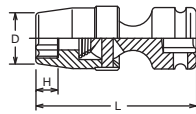
### TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (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 <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

## 13440M / 13440A

Universal Sockets  
Gelenk-Einsätze  
Douilles universelles



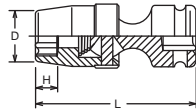
13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	135	10	*2
11	17	6	57	135	10	*2
12	18.3	6	57	135	10	*2
13	19.5	6	57	135	10	*2
14	20.8	7	59	140	10	*2
15	22	7	59	140	10	*2
16	23.3	8	59	140	10	*2
17	24.5	8	59	140	10	*2
18	25.8	9	61	150	10	*2
19	27	10	61	153	10	*2
20	29.5	10	61	157	10	*2
21	30.7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

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

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

## 13440T

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

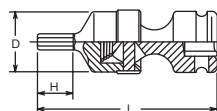


13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

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

## 13430M

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



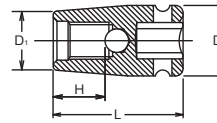
13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*2
6	24	15	74	131	10	*2
8	24	20	74	136	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

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

13103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	9.5	19	8	32	39	10	*1
6(1.0)	10.8	19	9	32	41	10	*1
7(1.0)	12.5	19	10	32	44	10	*1
8(1.25)	13.5	19	10.5	35	49	10	*1
10(1.25)	15.8	19	13	35	49	10	*1
10(1.5)	15.8	19	13	35	49	10	*1



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



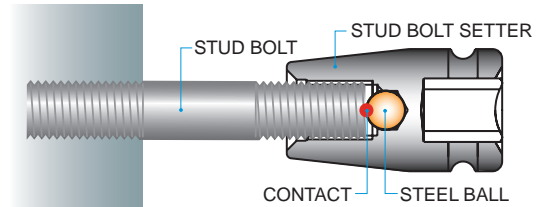
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 P268-269

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

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

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

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



OBJECT

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

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

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

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

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

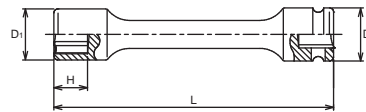
13145MG-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	150	121	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1
17	24.5	19	7.5	150	170	5	*1

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

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

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

Extra Long Sockets  
Schaftsteckschlüssel  
Douilles, série allongée

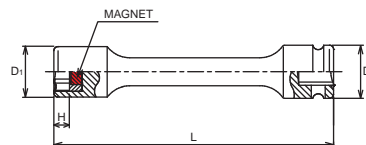


13145M-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

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

### 13145MG-100 / -150 / -200

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



# Impact Sockets

## Impact Steckschlüssel

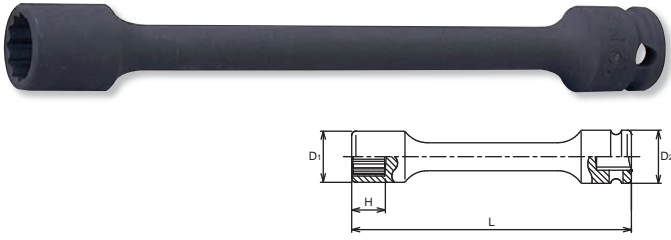
### Douilles Impact

# 3/8"

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

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

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



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

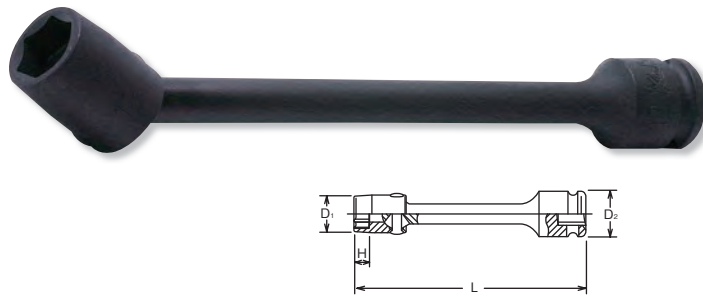
13145M-150 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

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

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

## 13146M-150 / -200 / -250

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



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

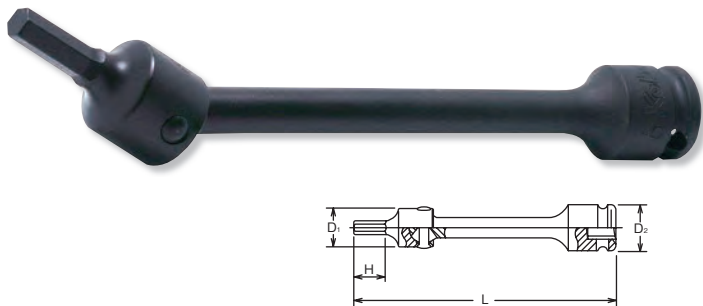
13146M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

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

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

## 13147M-150 / -200

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



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

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

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

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

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

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

13025-90 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

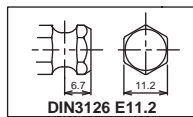
RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

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

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

→ P268-269

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



16134-SC

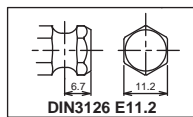
Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

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

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

→ P268-269

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



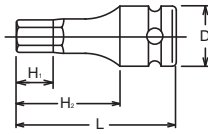
**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

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

### 13012M-52

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



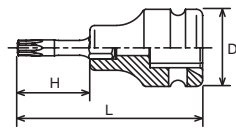
### RS13012M/8-L52

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



### 13025-50 / -90

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



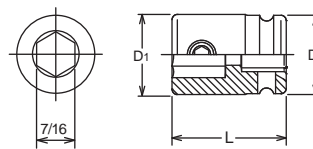
### RS13025/8-L50

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



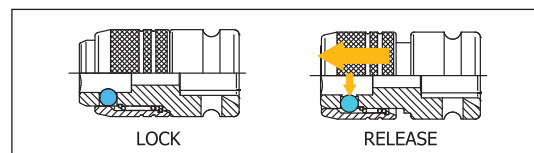
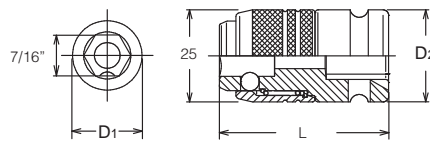
### 13134

**⊕** Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



### 13142-F11.2

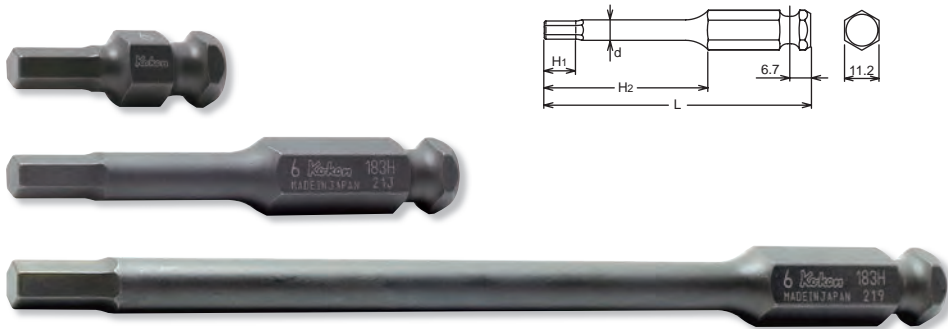
**⊕** Impact Bit Holder (Quick Release)  
Impact Klingenhalter (Quick Release)  
Porte embouts Impact (Quick Release)



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

## 183H-35 / -75 / -150 Hex Bits Sechskant Bits Embouts, 6 pans creux






183H-35 (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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

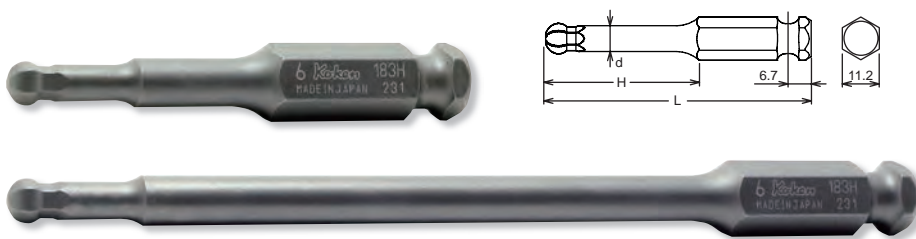
183H-150 (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	d (mm)	(g)	(pcs.)
4	8	117.5	150	6	51	10
5	10	117.5	150	6.5	55	10
6	12	117.5	150	7.5	65	10
8	12	117.5	150	9.5	87	10
10	15.5	117.5	150	-	118	10
12	-	117.5	150	-	136	10

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

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

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

## 183H-75B / -150B Ball-point Hex Bits Sechskant Bits mit Kugelkopf Embouts hexagonaux à tête sphérique



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

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

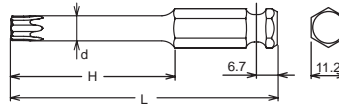
# 3/8"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

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

TORX® Bits  
TORX® Bits  
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

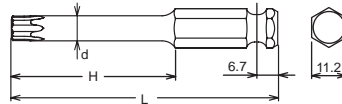
183T-150 (T)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
T30	117.5	150	6	50	10
T40	117.5	150	6.9	58	10
T45	117.5	150	8	70	10
T50	117.5	150	9	82	10
T55	117.5	150	11.4	113	10
T60	117.5	150	13.5	148	10

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

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

TORXPLUS® Bits  
TORXPLUS® Bits  
Embout TORXPLUS®

**TORXplus**

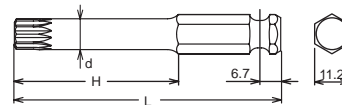


183T-75 (IP)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)
30IP	42.5	75	6	35	10
40IP	42.5	75	6.8	37	10
45IP	42.5	75	8	41	10
50IP	42.5	75	9	45	10
55IP	42.5	75	11.4	56	10
60IP	42.5	75	13.5	67	10

183X-35 (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-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-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.

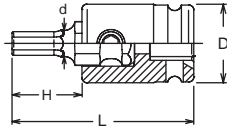
Les articles marqués d'un ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16". En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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

## 13134M-52 / -92



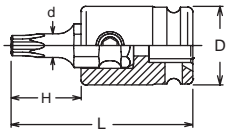
Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



## 13134T-52 / -92 (T)



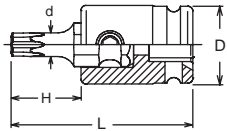
Bit Holder complete with TORX® Bit  
Klingenhalter, komplett mit TORX® Klinge  
Porte embouts avec bit TORX®



## 13134T-52 / -92 (IP)



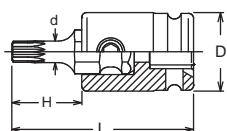
Bit Holder complete with TORXPLUS® Bit  
Klingenhalter, komplett mit TORXPLUS® Klinge  
Porte embouts avec bit TORXPLUS®



## 13134X-52 / -92 (XZN)



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



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

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

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

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

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

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

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

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

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

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

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

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

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

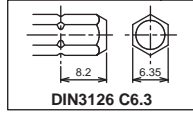
13134X-92 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	22	60	92	6	104	10	*2
M 6	22	60	92	6.2	106	10	*2
M 8	22	60	92	7.4	109	10	*2
M10	22	60	92	9.8	124	10	*2
M12	22	60	92	11.7	129	10	*2
M14	22	60	92	13.5	139	10	*2

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

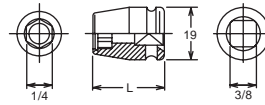
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13139-1/4</b>	11	19	30	32	10	*1

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

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



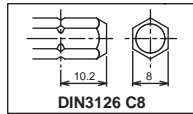
**13139** ○ Bit Holder  
Klingenhalter  
Porte-embout



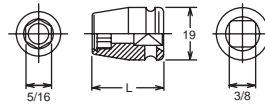
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13140-5/16</b>	14	19	30	32	10	*1

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

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



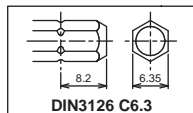
**13140** ○ Bit Holder  
Klingenhalter  
Porte-embout



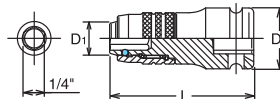
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13142-D6.3</b>	16	19	45	60	10	*1

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

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



**13142-D6.3** ○ Impact Bit Holder (Quick Release)  
Impact Kingenhalter (Schnellwechselfutter) ⚠  
Porte embout Impact (mandrin autoserrant)



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

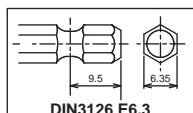
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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

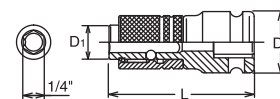
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13142-F6.3</b>	16.5	19	45	60	10	*1

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

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



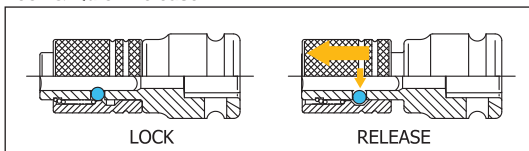
**13142-F6.3** ○ Impact Bit Holder (Quick Release)  
Impact Kingenhalter (Schnellwechselfutter) ⚠  
Porte embout Impact (mandrin autoserrant)



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

**Lock & Quick Release**



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

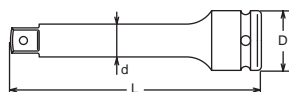
MOTORCYCLE

CONSTRUCTION

SPARE PART

## 13760

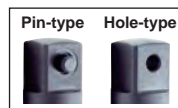
Extension Bars  
Verlängerungen  
Rallonges



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

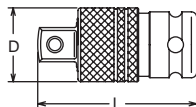
	TYPE	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	
	13760-50	Hole	22	12.5	50	70	10 *2
	13760-75	Hole	22	12.5	75	95	10 *2
	13760-100	Hole	22	12.5	100	115	10 *2
	13760-125	Hole	22	12.5	125	140	5 *2
	13760-150	Hole	22	12.5	150	165	5 *2
	13760-200	Hole	22	12.5	200	215	5 *2
	13760-250	Hole	22	12.5	250	260	5 *2

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



## 13333AL

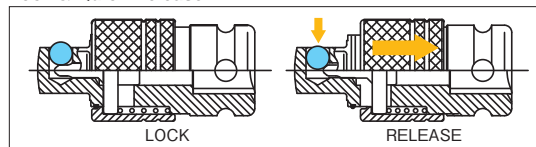
Adaptor (Quick Release)  
Verbindungsstück (Quick Release)  
Adaptateur (Quick Release)



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

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

### Lock & Quick Release



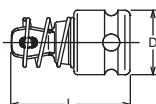
**!** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

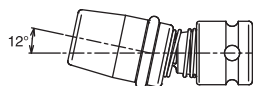
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

## 13333WA

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



Use a Pin/O-ring to attach a socket to 13333WA



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

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

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

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

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

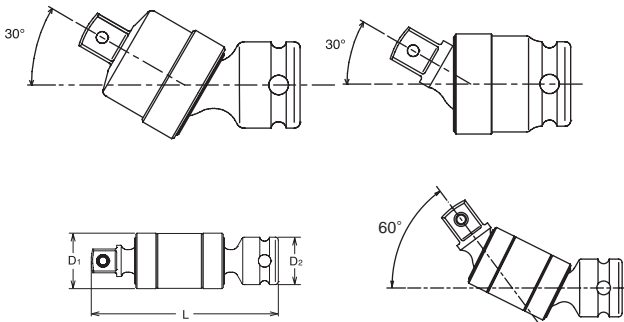
	TYPE	L (mm)	(g)	(pcs.)	
13770-P	Pin	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770	Hole	56	110	10	*2
13771-P	Pin	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771	Hole	48	92	10	*2

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

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

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

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



	TYPE	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
13772-P	Pin	22	19	75	120	5	*1
13772-B	Hole	22	19	75	120	5	*1

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

Make sure sockets hold bolts or nuts before operation.

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

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

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

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

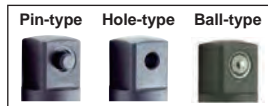
Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l'articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.



UNIVERSAL DOUBLE JOINT

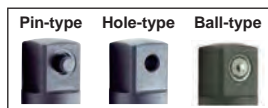
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13322A-P	Pin	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A	Hole	3/8"	1/4"	27	25	10	*1

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



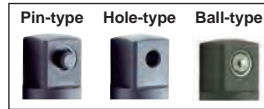
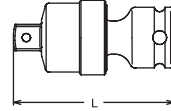
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2
13344A-B	Ball	3/8"	1/2"	32.5	53	10	*2
13344A	Hole	3/8"	1/2"	32.5	53	10	*2

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

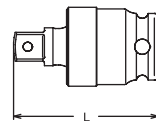


13242M	11 Pieces Set/△=1,140g
METAL CASE:W310xH90xT48mm	
Sockets	
13400M 6-pt. Sockets	
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

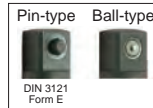
### 13770 Universal Joint Gelenk-Einsatz Joint articulé



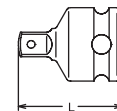
### 13771 Universal Joint Gelenk-Einsatz Joint articulé



### 13772 Universal Double Joint Doppelgelenk-Einsatz Joint articulé double



### 13322A Adaptor Verbindungsstück Réducteur

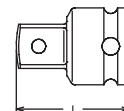


⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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

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

### 13344A Adaptor Verbindungsstück Augmentateur



### 13242M Socket Set Steckschlüssel Satz Jeu de clés à douilles



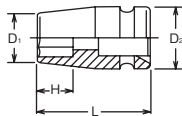
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

## 14400M / 14400A

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



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

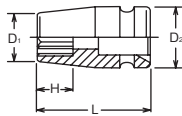
\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## 14405M / 14405A

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



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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## RS14405M/11

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



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

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

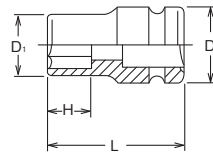
14401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

## 14401M / 14401A

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



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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## RS14401M/10

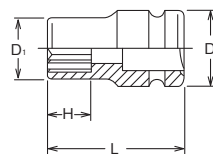


Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



## 14406M / 14406A

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



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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 1/2"

Z-SERIES

HAND

TITANIUM

ACCESSORIES

SCREWDRIVERS

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

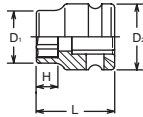
MOTORCYCLE

CONSTRUCTION

SPARE PART

## 14401MS

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



## RS14401MS/10

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



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

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

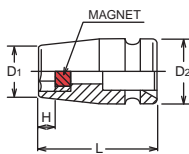
P268-269

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

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

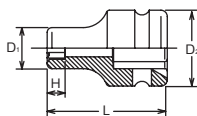
## 14400MG

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



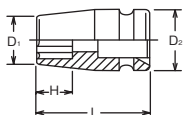
## 14401LH

LHS Sockets  
Steckschlüssel mit LHS Profil  
Douilles au profil LHS



## 14410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



## SURFACE DRIVE

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

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

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

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

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

P268-269

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

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

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

P268-269

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

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

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

P268-269

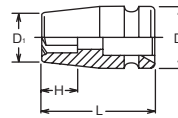
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



### 14465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder



## PATHFINDER®

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

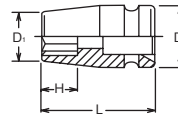
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschraubmaschinen) ganz besonders auswirkt.

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

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

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

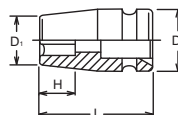
### 14415M Double 4-point Socket Doppelvierkant Steckschlüssel Douilles 4-pans, doubles



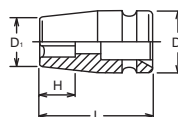
14425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	40	89	10	*1
E20	24.2	30	14.4	40	134	10	*2
E22	26.2	30	15.5	40	140	10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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

### 14425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



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



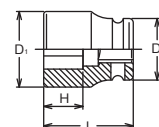
14425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.2	25	6.2	38	86	10	*1
12EPL	15.2	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	19.2	25	9.1	38	88	10	*1
18EPL	22.2	25	10.2	38	90	10	*1
20EPL	24.2	30	11.2	38	135	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

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




# Impact Sockets

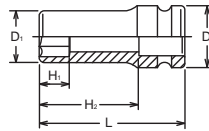
## Impact Steckschlüssel

### Douilles Impact

# 1/2"

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

**14301X**  6-point Semi-Deep Socket, Thin Walled  
6-kant Steckschlüssel mittel lang, dünnwandig  
Douilles à paroi mince semi-longues, 6-pans



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

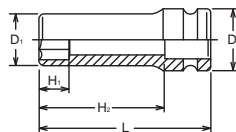
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

**RS14301X/10**  Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

**14300M / 14300A**  6-point Deep Sockets  
6-kant-Steckschlüssel, lang  
Douilles longues 6-pans



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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

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

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

→ P268-269

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

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

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

→ P268-269

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

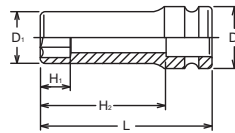
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

## 14301M / 14301A

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



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

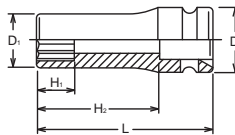
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

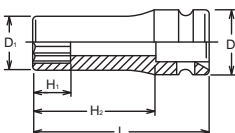
## 14305M

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



## 14306M

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



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

# Impact Sockets

## Impact Steckschlüssel

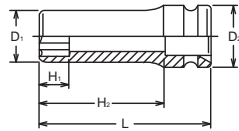
### Douilles Impact

# 1/2"

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

### 14310M

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



SURFACE DRIVE

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

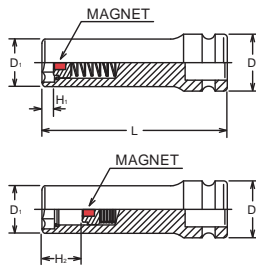
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

### 14300G

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



SLIDE MAGNET

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

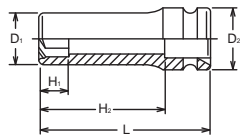
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

### 14365M

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



PATHFINDER®

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

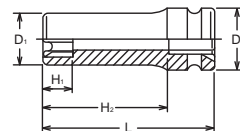
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P268-269

### 14325

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



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

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

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

→ P268-269

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

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

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

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

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

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

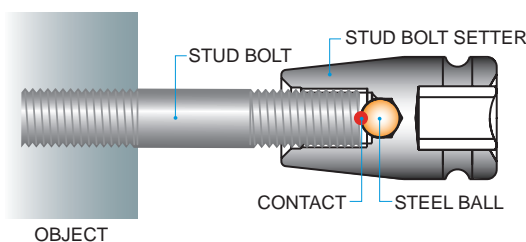
\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

Tolerance

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

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269  
⚠ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.



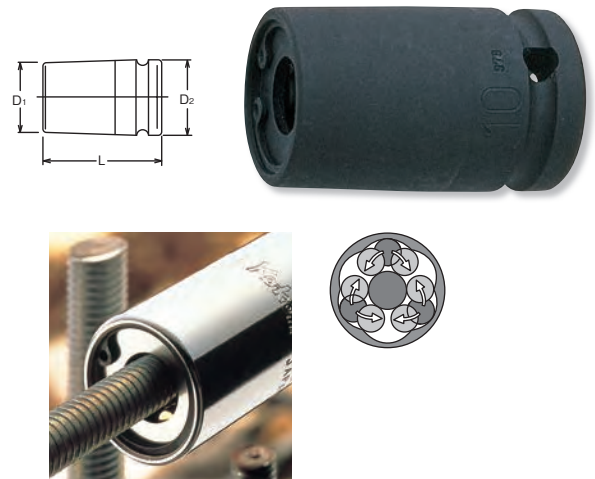
## 14440M / 14440A

Universal Sockets  
Gelenk-Einsätze  
Douilles universelles



## 14100M / 14100A

Impact Stud Pullers  
Impact Stehbolzendreher  
Extracteurs de goujons Impact



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

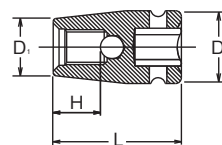
Der neue Körper mit sechs Walzenmulden verteilt den Druck auf den Käfig und die Walzen weitaus vorteilhafter.

La forme hexagonale du corps améliore les tolérances.

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

## 14103M

Impact Stud Bolt Setters  
Impact Stehbolzensetzer  
Monte-goujons Impact ⚠



A special socket for installing a stud bolt.

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

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

Douilles spéciales pour monter les goujons.

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

# Impact Sockets

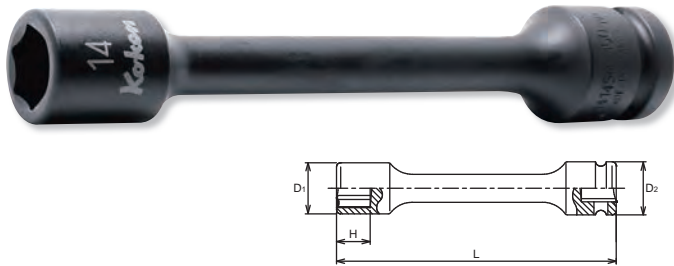
## Impact Steckschlüssel

### Douilles Impact

# 1/2"

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

Extra Long Sockets  
Schaftsteckschlüssel  
Douilles, série allongée



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

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

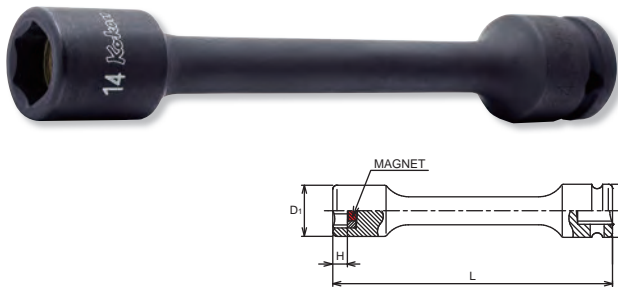
14145M-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

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

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

## 14145MG-150 / -200

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



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

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

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

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

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

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

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

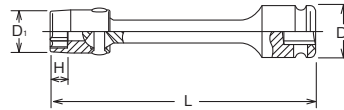
14147M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

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

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

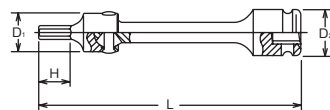
## 14146M-150 / -200 / -250

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



## 14147M-150 / -200

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



# Impact Sockets

## Impact Steckschlüssel

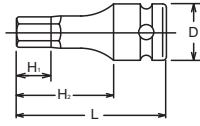
### Douilles Impact

# 1/2"

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

### 14012M-60

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



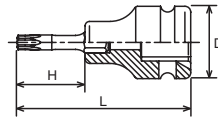
### RS14012M/10-L60

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



### 14025-60 / -100

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



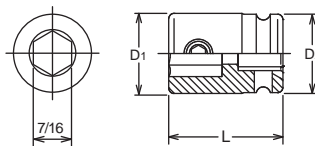
### RS14025/6-L60

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



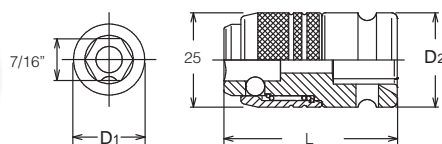
### 14134

Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



### 14142-F11.2

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



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

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

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

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

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

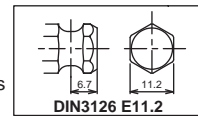
\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

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

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

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

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

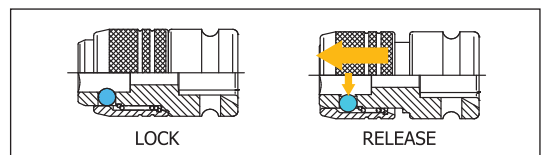
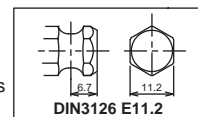


16134-SC  
Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

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

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

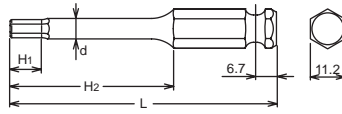
For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



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

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

Hex Bits  
Sechskant Bits  
Embout, 6 pans creux



183H-35 (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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.

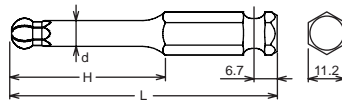
Die mit gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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

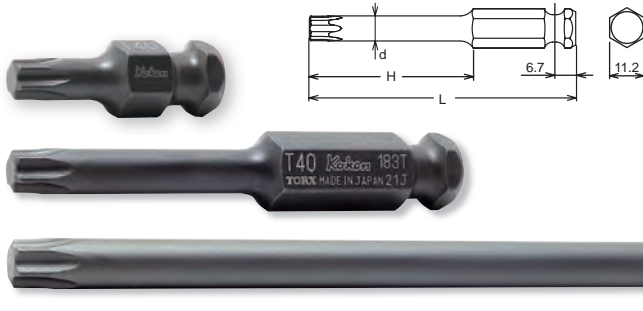
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

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

TORX® Bits  
TORX® Bits  
Embouts, TORX®



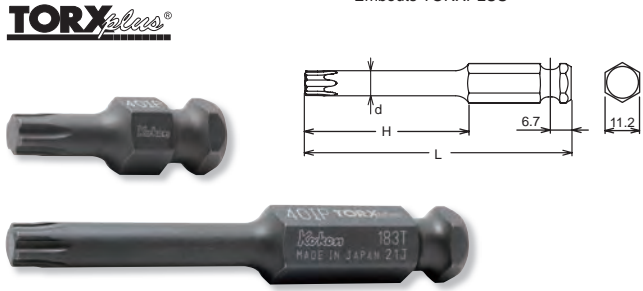
183T-35 (T)	H (mm)	L (mm)	(g)	(pcs.)
T25	18	35	18	10
T30	18	35	18	10
T40	18	35	20	10
T45	18	35	22	10
T50	18	35	26	10
T55	18	35	30	10
T60	18	35	38	10

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

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

TORXPLUS® Bits  
TORXPLUS® Bits  
Embouts TORXPLUS®

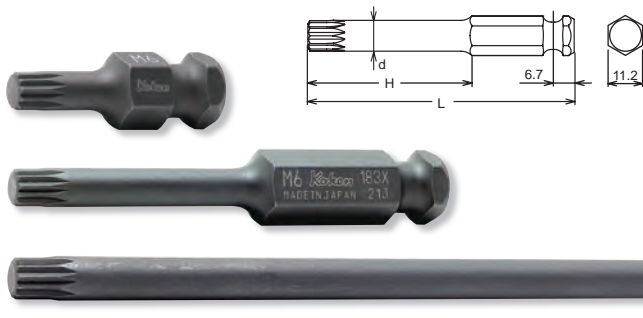


183T-35 (IP)	H (mm)	L (mm)	(g)	(pcs.)
30IP	18	35	18	10
40IP	18	35	20	10
45IP	18	35	22	10
50IP	18	35	26	10
55IP	18	35	30	10
60IP	18	35	38	10

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  
Embouts, XZN



183X-35 (XZN)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	35	18	10
M 5	18	35	18	10
M 6	18	35	20	10
M 8	18	35	22	10
M 10	18	35	26	10
M 12	18	35	30	10
M 14	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
M 10	42.5	75	9.8	54	10
M 12	42.5	75	11.7	57	10
M 14	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
M 10	117.5	150	9.8	93	10
M 12	117.5	150	11.7	121	10
M 14	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

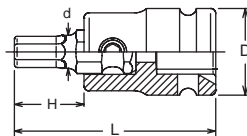
14134X-58 (XZN)	D (mm)	H (mm)	L (mm)	d (mm)	(g)	(pcs.)	
M 5	25	20	58	6	108	10	*1
M 6	25	20	58	6.2	110	10	*1
M 8	25	20	58	7.4	112	10	*1
M10	25	20	58	9.8	116	10	*1
M12	25	20	58	11.7	120	10	*1
M14	25	20	58	13.5	128	10	*1

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

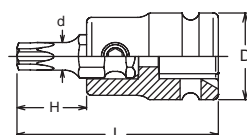
### 14134M-58 / -98

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



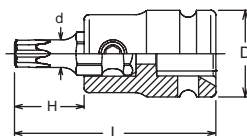
### 14134T-58 / -98 (T)

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



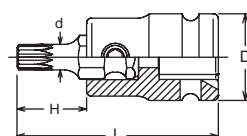
### 14134T-58 / -98 (IP)

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.

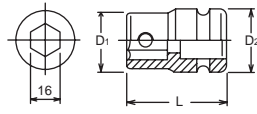
Les articles marqués d'un ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".  
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.




# 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



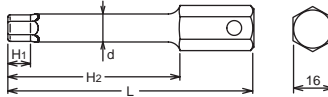
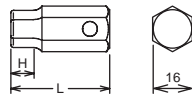
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
<b>14106</b>	28	30	43	160	10	*2



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

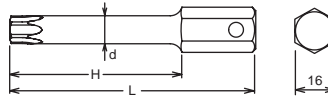
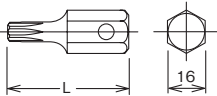




107-16 (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
<b>10</b>	9	40	46	10
<b>12</b>	9	40	52	10
<b>13</b>	9	40	56	10
<b>14</b>	11	40	60	10
<b>16</b>	-	40	69	10
<b>17</b>	-	40	73	10
<b>18</b>	-	40	78	10
<b>19</b>	-	40	80	10
<b>22</b>	-	40	97	10



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

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

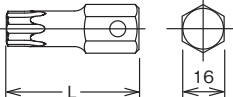
## 107-16 (T) TORX® Bits TORX® Klingen Embouts, TORX®





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

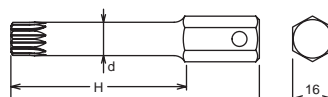
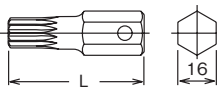
107-16(L100) (T)	H (mm)	L (mm)	d (mm)	 (g)	 (pcs.)
<b>T45</b>	70	100	8	95	10
<b>T50</b>	70	100	9	100	10
<b>T55</b>	70	100	11.4	104	10
<b>T60</b>	70	100	13.4	123	10
<b>T70</b>	70	100	15.7	148	10



## 107-16 (IP) TORXPLUS® Bits TORXPLUS® Klingen Embouts TORXPLUS®







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


## 107-16 (XZN) Bits XZN Klingen XZN Embouts de vissage, XZN




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

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

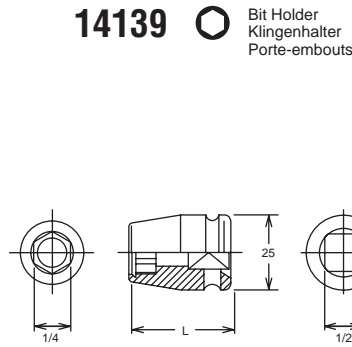
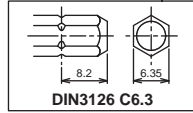
Die mit  gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb.  
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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

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

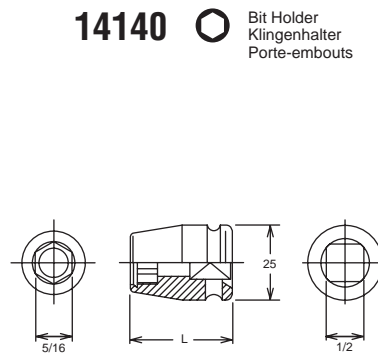
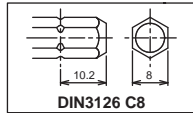
For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



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

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

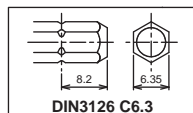
For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>14142-D6.3</b>	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

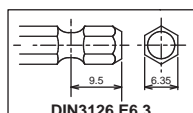


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.  
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.  
Vous ne devez pas tenir la partie coulissante pendant le déplacement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

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

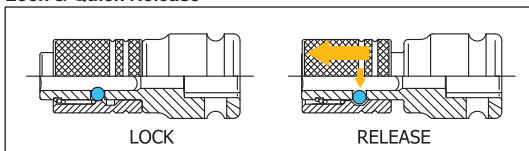
\*1 C-Ring=C41,Pin/O-Ring=A41/B41 → P268-269

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



⚠ 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"

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

## 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

	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

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

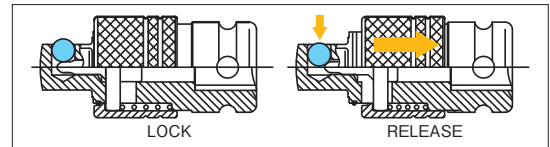
## 14444AL Adaptor (Quick Release) Verbindungsstück (Quick Release) Adaptateur (Quick Release)



	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.

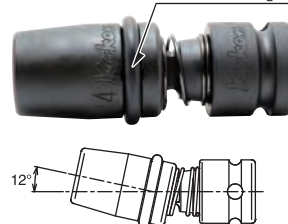
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

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

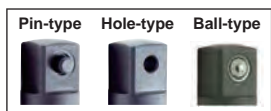
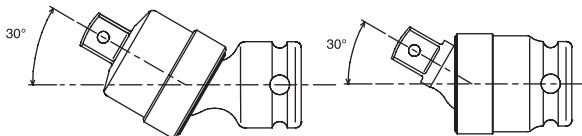
	TYPE	L (mm)	(g)	(pcs.)	
14770-P	Pin	74	210	5	*2
14770-B	Ball	74	210	5	*2
14770	Hole	74	210	5	*2
14771-P	Pin	65	198	5	*2
14771-B	Ball	65	198	5	*2
14771	Hole	65	198	5	*2

\*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 <sub>1</sub> (mm)	D <sub>2</sub> (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.

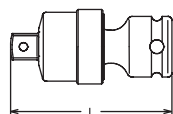
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	1/2"	5/8"	42	135	10	*2

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

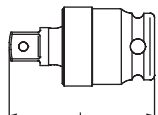
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	Hole	1/2"	3/4"	44	146	10	*2
14466A-B	Ball	1/2"	3/4"	44	146	10	*2

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

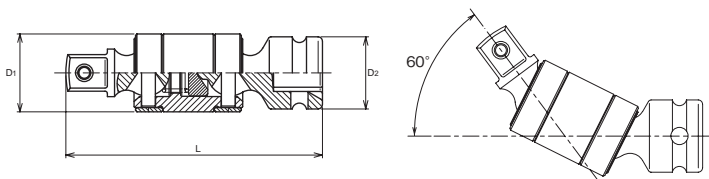
### 14770 Universal Joint Gelenk-Einsatz Joint articulé



### 14771 Universal Joint Gelenk-Einsatz Joint articulé



### 14772 Universal Double Joint Doppelgelenk-Einsatz Joint articulé double



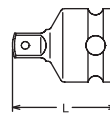
⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

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

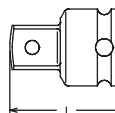
Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l'articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.

### 14433A Adaptor Verbindungsstück Réducteur

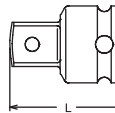
No Warranty  
Keine Garantie  
Sans Garantie



### 14455A Adaptor Verbindungsstück Augmentateur



### 14466A Adaptor Verbindungsstück Augmentateur







# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

Z-SERIES  
HAND  
TITANIUM  
SCREWDRIVERS ACCESSORIES  
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:W190xH59xT45mm		
Bits	Bit Holder	
 <b>183H.35</b> Hex Bits 5, 6, 8, 10	 <b>14134</b> Bit Holder	
 <b>107.16</b> Hex Bits 12, 14, 17, 19	 <b>14106</b> Bit Holder	

 ×   
 ×  **DIN3126**

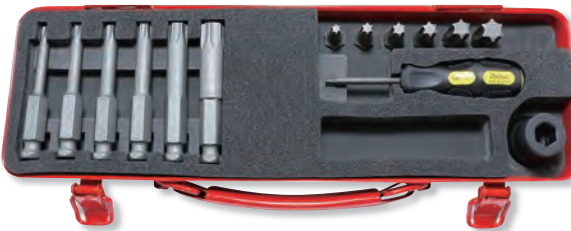
**14210M**  Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles







14210M		18 Pieces Set/△=1,250g
METAL CASE:W310xH90xT48mm		
Bits	Bit Holder	
 <b>183H.35</b> Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 <b>14134</b> Bit Holder	
 <b>183H.75</b> Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 <b>168H-4 (40)</b> Screwdriver	

 ×  **DIN3126**

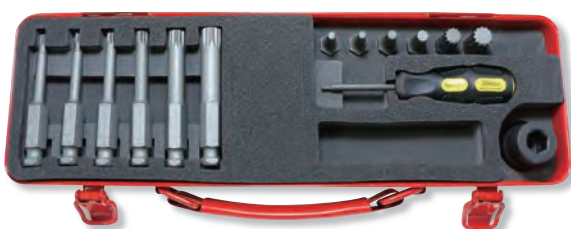
**14210T**  Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles







14210T		14 Pieces Set/△=1,080g
METAL CASE:W310xH90xT48mm		
Bits	Bit Holder	
 <b>183T.35</b> TORX® Bits T30, T40, T45, T50, T55, T60	 <b>14134</b> Bit Holder	
 <b>183T.75</b> TORX® Bits T30, T40, T45, T50, T55, T60	 <b>168H-4 (40)</b> Screwdriver	


 ×  **DIN3126**

**14210X**  Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles




14210X		14 Pieces Set/△=1,040g
METAL CASE:W310xH90xT48mm		
Bits	Bit Holder	
 <b>183X.35</b> XZN Bits M4, M5, M6, M8, M10, M12	 <b>14134</b> Bit Holder	
 <b>183X.75</b> XZN Bits M4, M5, M6, M8, M10, M12	 <b>168H-4 (40)</b> Screwdriver	

 ×  **DIN3126**

<b>14207M</b>	10 Pieces Set/△=2,700g
METAL CASE:W310xH90xT48mm	
Sockets	
 <b>14300M</b> 6-pt Deep Sockets	10, 12, 13, 14, 17, 19, 21, 22, 24, 27


**14207M**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



<b>14208M</b>	13 Pieces Set/△=3,740g
METAL CASE:W395xH90xT50mm	
Sockets	
 <b>14300M</b> 6-pt Deep Sockets	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27


**14208M**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles




<b>14241M-00</b>	13 Pieces Set/△=2,000g
METAL CASE:W337xH76xT52mm	
Sockets	
 <b>14400M</b> 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

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





<b>14241M-05</b>	13 Pieces Set/△=2,000g
METAL CASE:W337xH76xT52mm	
Sockets	
 <b>14405M</b> 12-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

<b>New</b> <b>14241A-00</b>	12 Pieces Set/△=2,050g
METAL CASE:W337xH76xT52mm	
Sockets	
 <b>14400A</b> 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-00**  Socket Set  
**14241A-05**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles







<b>New</b> <b>14241A-05</b>	12 Pieces Set/△=2,050g
METAL CASE:W337xH76xT52mm	
Sockets	
 <b>14405A</b> 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

<b>14242M</b>	12 Pieces Set/△=1,890g
METAL CASE:W310xH90xT48mm	
Sockets	
 <b>14400M</b> 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27





**14242M**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



<b>14245M-00</b>	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 <b>14400M</b> 6-pt. Sockets	 <b>14760-125P</b>
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 <b>14770-P</b>
	 <b>A41, A42</b>
	<b>B41, B42</b>

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



<b>14245M-05</b>	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 <b>14405M</b> 12-pt. Sockets	 <b>14760-125P</b>
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 <b>14770-P</b>
	 <b>A41, A42</b>
	<b>B41, B42</b>

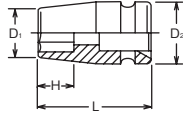
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

# 5/8"

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

## 15400M

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

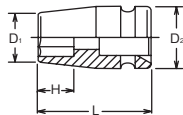


15400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

\*1 Pin/O-Ring=A51/B51 → P269

## 15400A

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

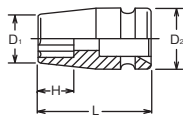


15400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

\*1 Pin/O-Ring=A51/B51 → P269

## 15410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



15410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

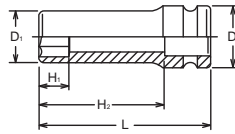
\*1 Pin/O-Ring=A51/B51 → P269

15300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

### 15300M

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

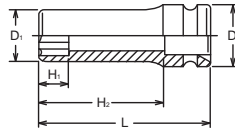


15310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=A51/B51 → P269

### 15310M

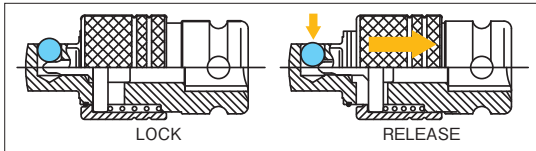
Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive



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

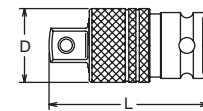
\*1 Pin/O-Ring=A51/B51 → P269

#### Lock & Quick Release



### 15555AL

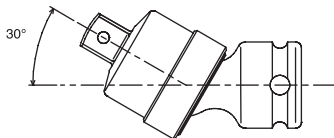
Adaptor (Quick Release)  
Schnellwechsel-Verbindungsstück (Quick Release) ⚠  
Adaptateur (Quick Release)



⚠ 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.

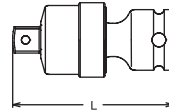
15770	L (mm)	(g)	(pce.)	⚡
15770	88	420	1	*1

\*1 Pin/O-Ring=A51/B51 → P269



### 15770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



15544A-P	(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

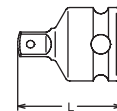
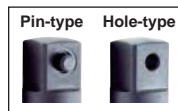
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.

### 15544A

Adaptor  
Verbindungsstück  
Réducteur  
No Warranty  
Keine Garantie  
Sans Garantie ⚠

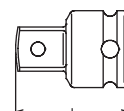


15566A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
15566A	5/8"	3/4"	48	200	1	*1

\*1 Pin/O-Ring=A51/B51 → P269

### 15566A

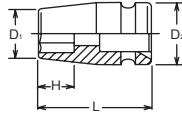
Adaptor  
Verbindungsstück  
Augmentateur



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

## 16400M / 16400A

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

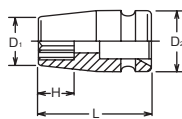


16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 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)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

## 16405M / 16405A

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



16405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

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

16405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

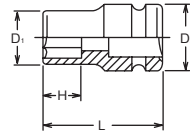
## 16401M / 16401A

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



16401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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



16401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

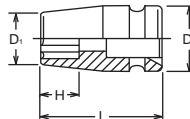
16410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	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



## 16410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



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

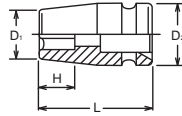
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

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

## 16425

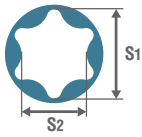
TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



16425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

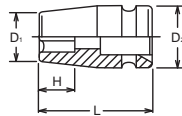
### TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (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 <sub>2</sub> (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)

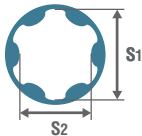
TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®



16425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

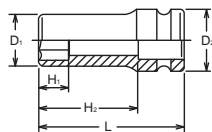
### TORXplus® (EP/EPL)



EP/EPL	7EP	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S <sub>1</sub> (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 <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

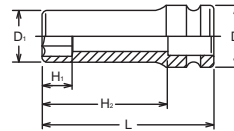
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

## 16300M / 16300A

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



16300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

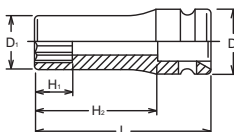
\*1 C-Ring=C61, Pin/O-Ring=A61/B61



\*2 Pin/O-Ring=A62/B62

## 16305M

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



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

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 3/4"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

INDUSTRIAL

AUTOMOTIVE

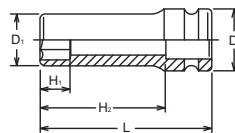
MOTORCYCLE

CONSTRUCTION

SPARE PART

## 16301M / 16301A

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



16301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

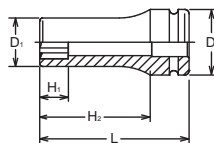
16301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	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 → P268-269

\*2 Pin/O-Ring=A62/B62

## 16310M

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

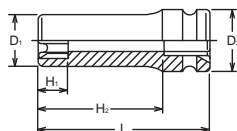


16310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
15	27.5	44	15	74	100	500	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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

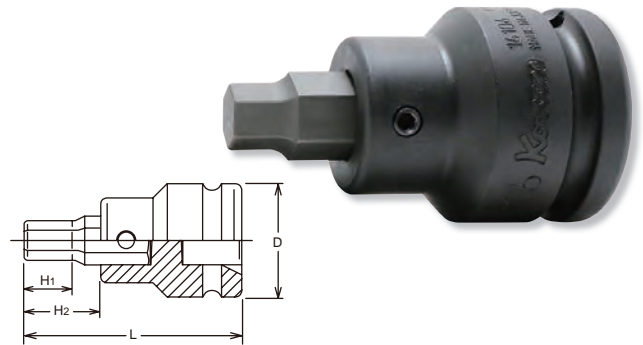
### 16106-SC

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.

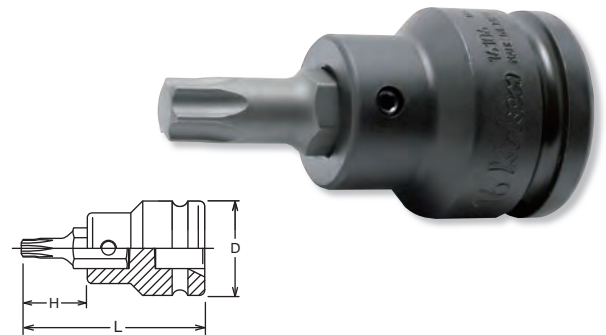
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm.

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

### 16106-16(T)



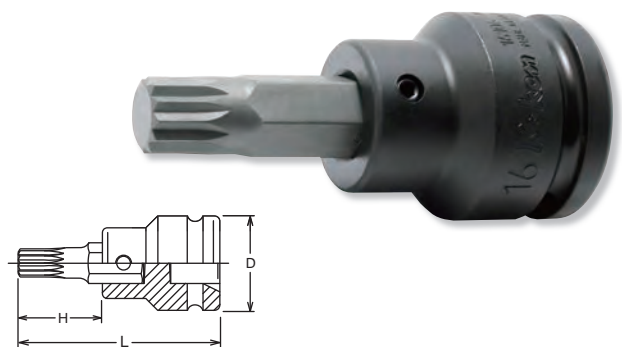
TORX® Bit Sockets  
TORX® Bit-Steckschlüssel  
Douilles tournevis, TORX®



### 16106-16(XZN)



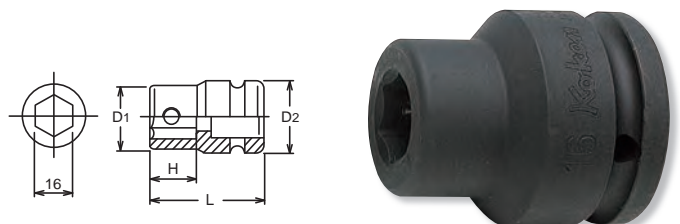
XZN Bit Sockets  
Steckschlüssel für XZN Schrauben  
Douilles tournevis pour empreinte XZN



### 16106



Bit Holder  
Klingenhalter  
Porte-embout



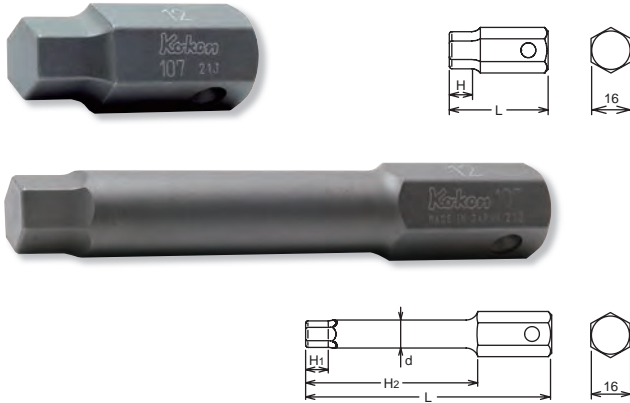
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

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

## 107-16

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



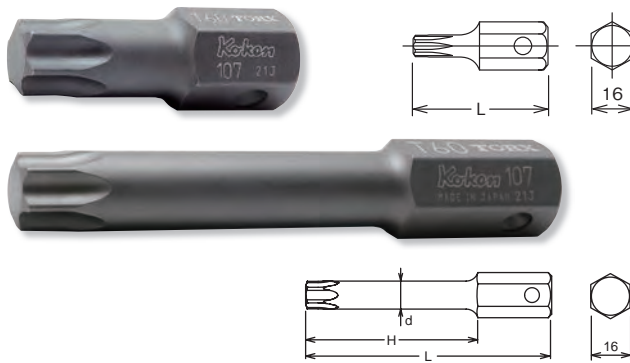
107-16 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	9	40	46	10
12	9	40	52	10
13	9	40	56	10
14	11	40	60	10
16	-	40	69	10
17	-	40	73	10
18	-	40	78	10
19	-	40	80	10
22	-	40	97	10

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 <sub>1</sub> (mm)	H <sub>2</sub> (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  
Emboutis, 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)

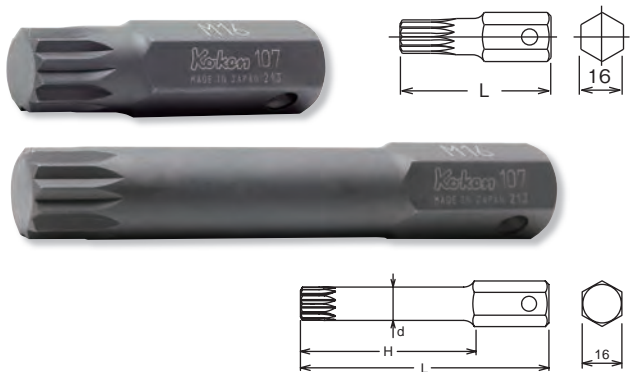
TORXPLUS® Bits  
TORXPLUS® Klingen  
Emboutis TORXPLUS®



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  
Emboutis 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

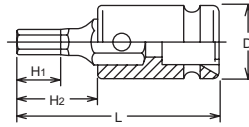
⚠ The items with ⚠ have larger output sizes than 16mm Input drive. Due to this design the maximum output torque rating is less than standard.  
Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer 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 <sub>1</sub> (mm)	H <sub>2</sub> (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



16107	D <sub>1</sub> (mm)	D <sub>2</sub> (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

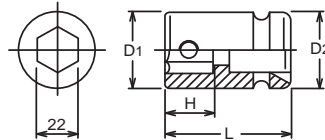
107-22(L140) (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	20	140	431	5
19	20	140	441	5
22	-	140	460	5
24	-	140	513	5

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

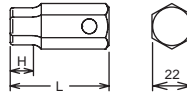
### 16107

Bit Holder  
Klingenhalter  
Porte embouts



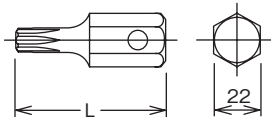
### 107-22

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



### 107-22 (T)

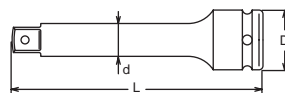
TORX® Bits  
TORX® Klingen  
Embout, TORX®



⚠ 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

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

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

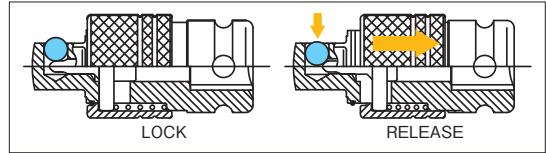
**16666AL** Adaptor (Quick Release)  
Verbindungsstück (Quick Release)  
Adaptateur (Quick Release) ⚠



	D (mm)	L (mm)	(g)	(pcs.)	
<b>16666AL</b>	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.)	
<b>16644AL</b>	3/4"	1/2"	28	70	240	2	*1

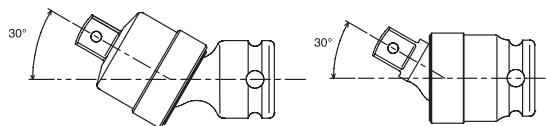
\*1 Pin/O-Ring=A51/B51 → P269

**16770** Universal Joint  
Gelenk-Einsatz  
Joint articulé



	L (mm)	(g)	(pcs.)	
<b>16770</b>	106	790	2	*1
<b>16771</b>	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 ⚠



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

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>16655A</b>	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.

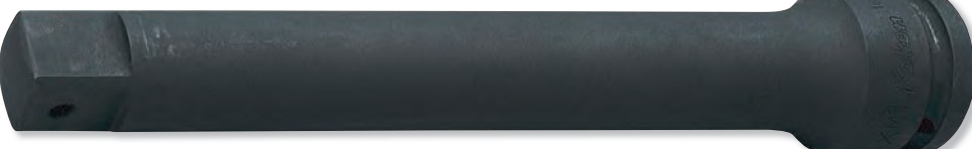
**16688A** Adaptor  
Verbindungsstück  
Augmentateur



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

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

**16688A-250 / -330** Adaptors  
Verbindungsstücke  
Réducteurs



# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

## 16201M-00 / 16201A-00

Socket Sets  
Steckschlüssel Sätze  
Jeux de clés à douilles



**16201M-00** 13 Pieces Set/△=6,800g  
METAL CASE:W320xH110xT70mm  
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:W290xH120xT70mm  
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:W320xH110xT70mm  
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:W290xH120xT70mm  
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:W590xH127xT72mm  
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

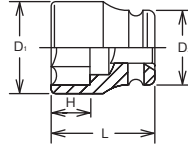
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

## 18400M / 18400A

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



18400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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

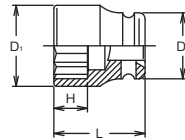
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

\*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 <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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

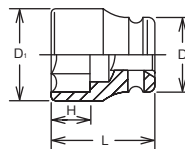
\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*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



# Impact Sockets Impact Steckschlüssel Douilles Impact

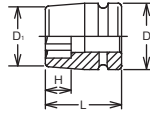
# 1"

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

## 18410M



Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



18410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

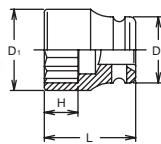
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

## 18405M (D)



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

No Warranty  
Keine Garantie  
Sans Garantie



18405M (D) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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.

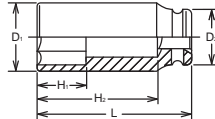


18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	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



## 18301X

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



\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269

## 18300M / 18300A

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



18300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
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

18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

\*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

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

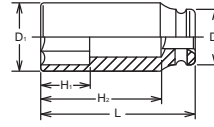
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

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

## 18301M / 18301A

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

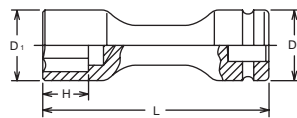


18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

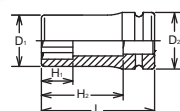


\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

18104M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

## 18310M

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



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

18310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
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

18106-16 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	H <sub>2</sub> (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

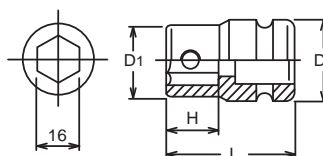
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18106	D <sub>1</sub> (mm)	D <sub>2</sub> (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

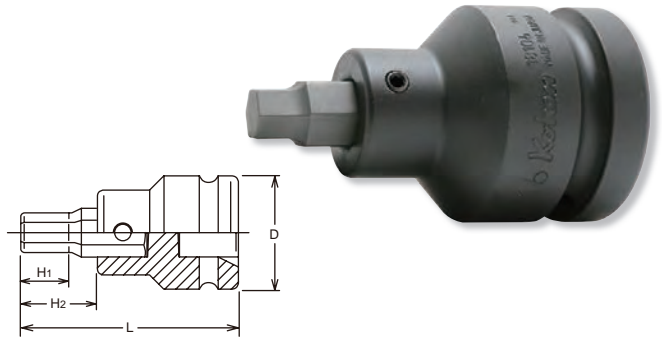
### 16106-SC

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

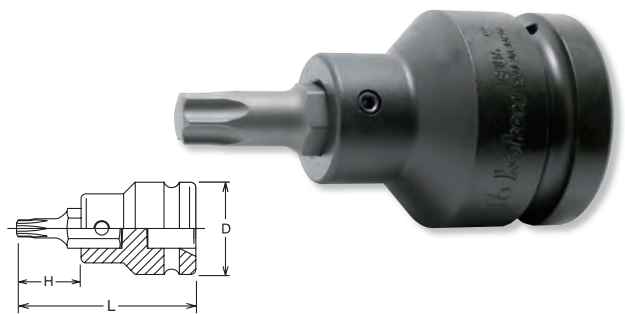


⚠ The items with ⚠ have larger output sizes than 16mm Input drive.  
Due to this design the maximum output torque rating is less than standard.

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.

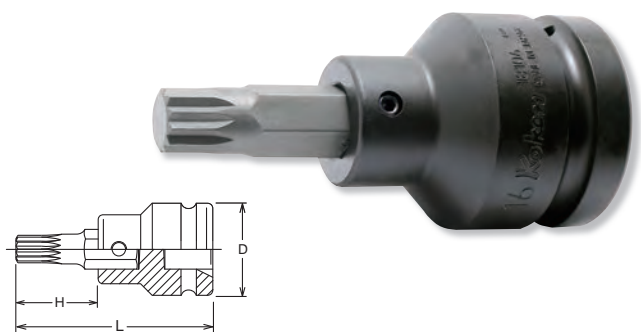
## 18106-16(T)

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

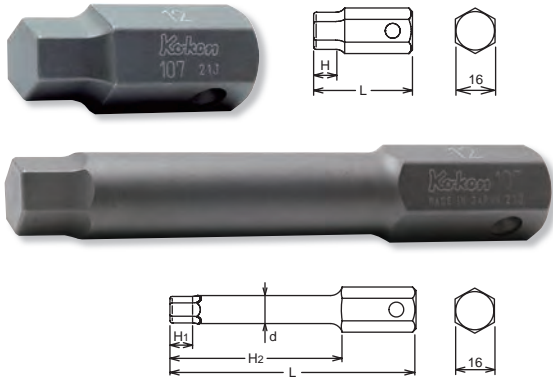






# Impact Sockets Impact Steckschlüssel Douilles Impact


# 1"




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

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

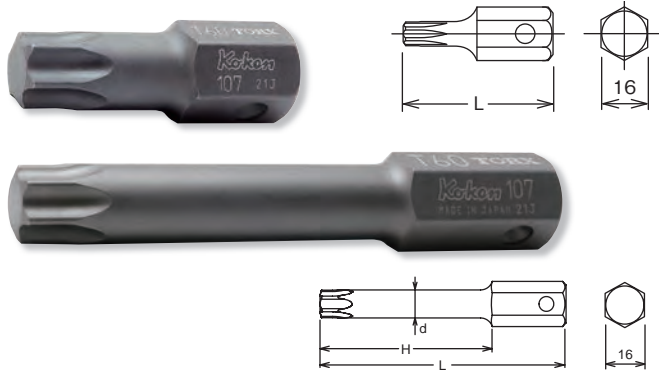


107-16 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	9	40	46	10
12	9	40	52	10
13	9	40	56	10
14	11	40	60	10
16	-	40	69	10
17	-	40	73	10 
18	-	40	78	10 
19	-	40	80	10 
22	-	40	97	10 

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 <sub>1</sub> (mm)	H <sub>2</sub> (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 

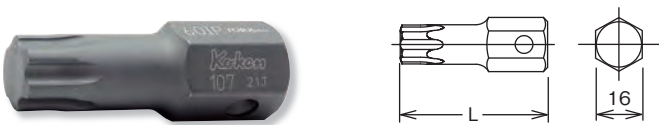
## 107-16 (T) TORX® Bits TORX® Klingen Embouts, TORX®



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 Embouts 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 Embouts 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 <sub>1</sub> (mm)	H <sub>2</sub> (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 ⚠

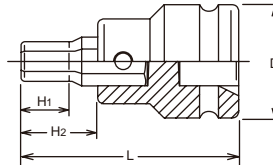
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



### 18107-22



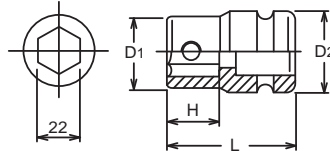
Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



### 18107



Bit Holder  
Klingenhalter  
Porte embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (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(L.140) (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

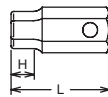
107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

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

### 107-22



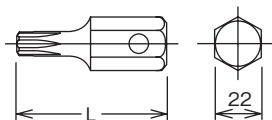
Bits for Inhex Screws  
Klingen für Innensechskant-Schrauben  
Embouts pour vis 6-pans males creux



### 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.

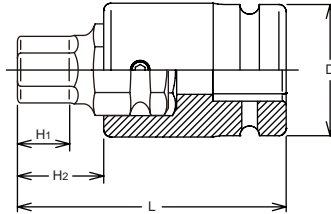
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

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

## 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 <sub>1</sub> (mm)	H <sub>2</sub> (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.

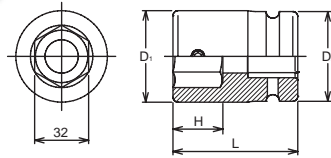
Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
18108	55	54	30	75	930	2	*1

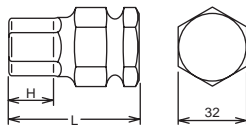
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

### 18108-SC

Replacement Screw : M8x12, ●4mm  
Ersatzschraube : M8x14, ●4mm  
Vis de remplacement : M8x14, ●4mm

## 107-32

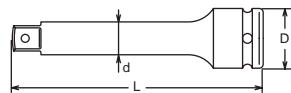
Bit for Inhex Screws  
Klingen für Innensechskant-Schrauben  
Embouts pour vis 6-pans mâle creux



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



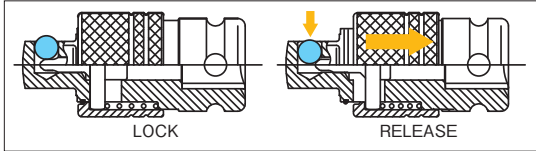
	D (mm)	d (mm)	L (mm)	(g)	(pcs.)	⚡
18760-175	54	32.6	175	1400	1	*1
18760-200	54	32.6	200	1580	1	*1
18760-250	54	32.6	250	1885	1	*1
18760-330	54	32.6	330	2380	1	*1

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

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

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

### Lock & Quick Release



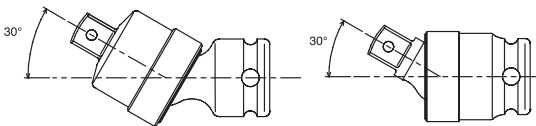
**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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.

	L (mm)	(g)	(pce.)	
<b>18770</b>	127	1350	1	*1
<b>18771</b>	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.)	
<b>18866A</b>	1"	3/4"	66.5	580	2	*1
<b>18866A-200</b>	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.

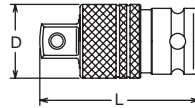
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
<b>18877A</b>	1"	1.1/2"	80	935	1	*1

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



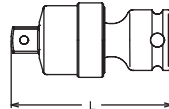
## 18888AL

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



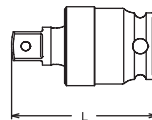
## 18770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



## 18771

Universal Joint  
Gelenk-Einsatz  
Joint articulé

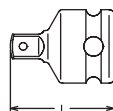


## 18866A

Adaptors  
Verbindungsstücke  
Réducteurs

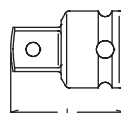
No Warranty  
Keine Garantie  
Sans Garantie **⚠**

## 18866A-200 **⚠**



## 18877A

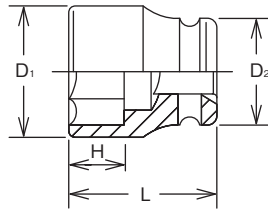
Adaptor  
Verbindungsstück  
Augmentateur



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

## 17400M / 17400A

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



17400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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



# 1-1/2"

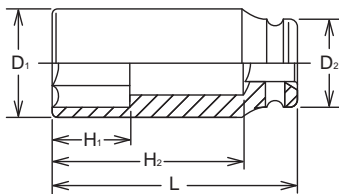
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

17405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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

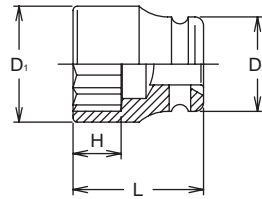
\*1 C-Ring=C71, Pin/O-Ring=A71/B71  
\*2 Pin/O-Ring=A72/B72

→ 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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

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

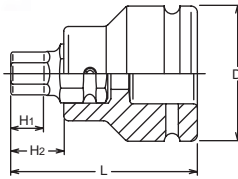
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1-1/2"

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

## 17108-32

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



17108-32 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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.

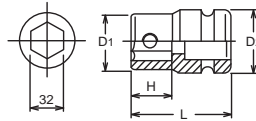
Die mit gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

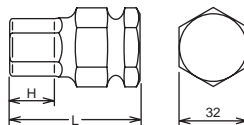
\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

### 16107-SC

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

## 107-32

Bit for Inhex Screws  
Klingen für Innsechskant-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



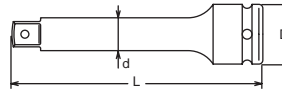
# 1-1/2"

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

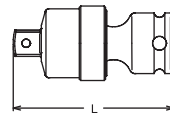
**17760** Extension Bars  
Verlängerungen  
Rallonges



	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

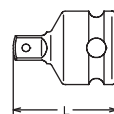
\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

**⚠** 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.

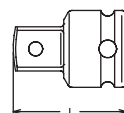
**17788A** **⚠** Adaptor  
Verbindungsstück  
Réducteur  
No Warranty  
Keine Garantie  
Sans Garantie



	(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

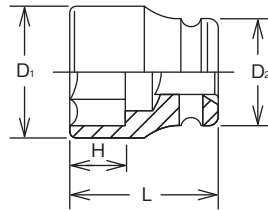
**17799A** Adaptor  
Verbindungsstück  
Augmentateur



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

## 19400M / 19400A

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



19400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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 <sub>1</sub> (mm)	D <sub>2</sub> (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



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

# 2-1/2" Impact Sockets

## Impact Steckschlüssel

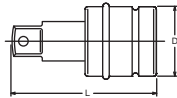
### Douilles Impact

19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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 → P269  
 \*2 Pin/O-Ring=A92/B92

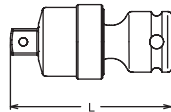
	D (mm)	L (mm)	(g)	(pce.)	⚡
19760-250	127	250	17800	1	*1
19760-500	127	500	27800	1	*1

\*1 Pin/O-Ring=A91/B91 → P269



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

\*1 Pin/O-Ring=A91/B91 → P269



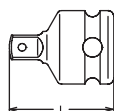
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
19977A	2.1/2"	1.1/2"	145	7210	1	*1

\*1 Pin/O-Ring=A91/B91 → 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.

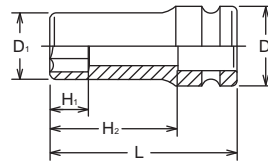
Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

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.



## 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 ⚠

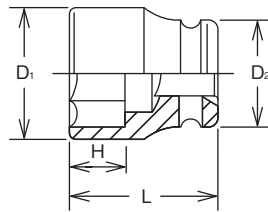


Z-SERIES  
 HAND  
 TITANIUM  
 ACCESSORIES  
 SCREWDRIVERS  
 IMPACT  
 SLEEVE-DRIVE  
 PROTECTOR  
 INDUSTRIAL  
 AUTOMOTIVE  
 MOTORCYCLE  
 CONSTRUCTION  
 SPARE PART

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

## 10400M / 10400A

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



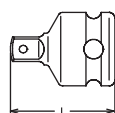
10400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	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 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (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

## 10099A

Adaptor  
Verbindungsstück  
Réducteur



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

\*1 Pin/O-Ring=A01/B01 → 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.

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

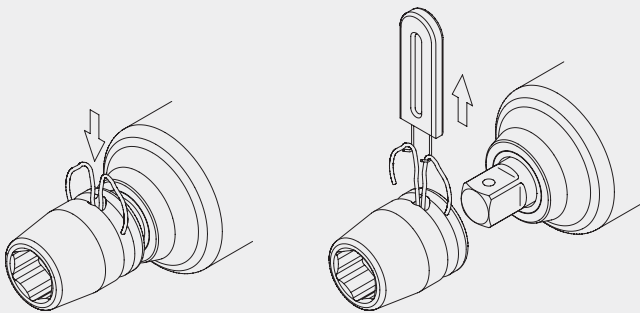
Z-SERIES  
 HAND  
 TITANIUM  
 SCREWDRIVERS ACCESSORIES  
 IMPACT  
 SLEEVE-DRIVE  
 PROTECTOR  
 INDUSTRIAL  
 AUTOMOTIVE  
 MOTORCYCLE  
 CONSTRUCTION  
 SPARE PART



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.

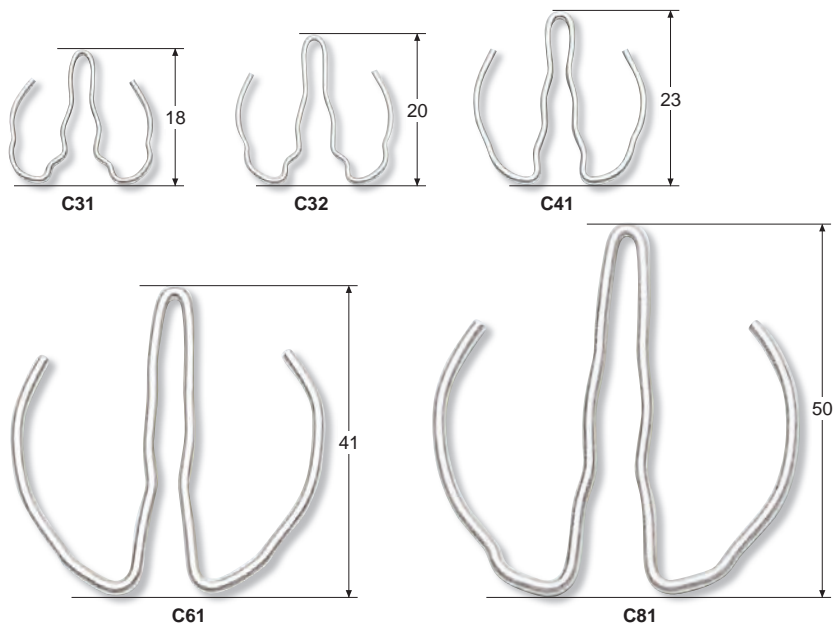
Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

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)	📦 (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



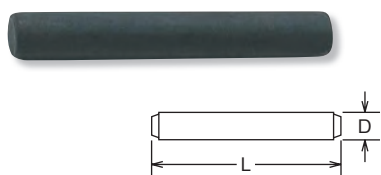
**C-Ring Set**

Set No.	□	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**

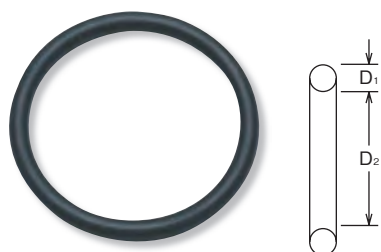
No.	□	□	📦 (pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10





### 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 <sub>1</sub> (mm)	D <sub>2</sub> (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



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

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

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

IMPACT Standard Sockets size	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				●	●		●	●	●		●	●	