

# 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	1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		Square Drive 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 12400A	12400M 12400A	12400M 12400A	12400M 12400A	12400M 12400A	12400M 12400A	12400M 12400A	12400M 12400A	12400M 12400A
	 6-point (Thin-walled)	12400MG	13401M 13401A	13401M 13401A	14401M 14401A	14401M 14401A	14401M 14401A	14401M 14401A	16401M 16401A	16401M 16401A
	 6-point (with Magnet)	12400AG	13400MG	13400MG	14400MG	14400MG	14400MG	14400MG	16401M	16401A
	 12-point (Thin-walled)		13405M 13405A 13406A	13405M 13405A 13406A	14405M 14405A 14406A	14405M 14405A 14406A	14405M 14405A 14406A	14405M 14405A 14406A	16405M 16405A	16405M 16405A
	 Surface	12410M	13410M	13410M	14410M	14410M	14410M	14410M	16410M	16410M
	 PATHFINDER®	12465M	13465M	13465M	14465M	14465M	14465M	14465M	16465M	16465M
	 TORX® (E)	12425	13425	13425	14425	14425	14425	14425	16425	16425
	 TORXplus® (EP)		13425EG	13425EG	14425E-PL	14425E-PL	14425E-PL	14425E-PL	16425E-PL	16425E-PL
	 LH-S		13401LH	13401LH	14401LH	14401LH	14401LH	14401LH	16425E-PL	16425E-PL
	 TORXplus® for Self Tapping Screws	12460M 12460A	13460M 13460A	13460M 13460A	14460M 14460A	14460M 14460A	14460M 14460A	14460M 14460A	16425E-PL	16425E-PL
	 TORXplus® (with Magnet)	12460AG	13460AG	13460AG	14460AG	14460AG	14460AG	14460AG	16425E-PL	16425E-PL
	 Double Square for Weld Nut		13400-WN	13400-WN	14400-WN	14400-WN	14400-WN	14400-WN	16425E-PL	16425E-PL
 Short Sockets (Thin-walled)		13401MS	13401MS	14401MS	14401MS	14401MS	14401MS	16301X	16301X	
 Semi Deep Sockets (with Slit Magnet)		13300XG	13300XG	14300M	14300M	14300M	14300M	16300M	16300M	
Deep Sockets	 6-point (Thin-walled)	12300M	13300A 13300A	13300A 13300A	14300M 14300A	14300M 14300A	14300M 14300A	14300M 14300A	16300M 16300A	16300M 16300A
	 6-point (Thin-walled)	12300G	13300G	13300G	14300G	14300G	14300G	14300G	16301M 16301A	16301M 16301A
	 12-point (Thin-walled)		13305M	13305M	14305M	14305M	14305M	14305M	16305M	16305M
	 Surface		13310M	13310M	14310M	14310M	14310M	14310M	16310M	16310M
	 PATHFENDER® (E)	12365M	13365M	13365M	14365M	14365M	14365M	14365M	16325	16325
	 6-point		13145M	13145M	14145M	14145M	14145M	14145M	16325	16325
	 6-point (with Magnet)		13145MG	13145MG	14145M	14145M	14145M	14145M	16325	16325
	 12-point		13145M(12P)	13145M(12P)	14145M	14145M	14145M	14145M	16325	16325
	 6-point		13440M 13440A	13440M 13440A	14440M 14440A	14440M 14440A	14440M 14440A	14440M 14440A	16630M 16630A	16630M 16630A
	 6-point (Extension)		13146M	13146M	14146M	14146M	14146M	14146M	16630M	16630M
	 Universal Sockets (E)		13440T	13440T	14440M	14440M	14440M	14440M	16630M	16630M
	 Bit Sockets (Hexagon)		13012M	13012M	14012M	14012M	14012M	14012M	16106-16	16106-16
 Hexagon (T)		13025	13025	14025	14025	14025	14025	16107-22	16107-22	
 Hexagon (T)		13134M	13134M	14134M	14134M	14134M	14134M	16106-16(T)	16106-16(T)	
 TORX® (T)		13134(TT)	13134(TT)	14134(TT)	14134(TT)	14134(TT)	14134(TT)	16106-16(T)	16106-16(T)	
 TORXplus® (EP)		13134(TIP)	13134(TIP)	14134(TIP)	14134(TIP)	14134(TIP)	14134(TIP)	16106-16(T)	16106-16(T)	
 XZN (Triple Square)		13134(XZM)	13134(XZM)	14134(XZM)	14134(XZM)	14134(XZM)	14134(XZM)	16106-16(XZN)	16106-16(XZN)	
 Hexagon (Extension)		13430M	13430M	14430M	14430M	14430M	14430M	16663AL	16663AL	
 Hexagon (Extension)		13147M	13147M	14147M	14147M	14147M	14147M	16644AL	16644AL	
 Extension Bars	12760	13760	13760	14760	14760	14760	14760	16760	16760	
 Universal Joints	12770	13770	13770	14770	14770	14770	14770	16770	16770	
 Adaptors	12233A	13222A 13244A	13222A 13244A	14233A 14455A 14466A	14233A 14455A 14466A	14233A 14455A 14466A	14233A 14455A 14466A	15544A 15566A	16644A 16655A 16688A	
 Locking Adaptors	12222AL	13333AL	13333AL	14444AL 14466AL	14444AL 14466AL	14444AL 14466AL	14444AL 14466AL	15555AL	16663AL 16644AL	

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

Impact Sockets	1"(25.4mm)SQ.			1.1/2"(38.1mm)SQ.			2.1/2"(63.5mm)SQ.			3.1/2"(88.9mm)SQ.		
	No.	mm inch	Page	No.	mm inch	Page	No.	mm inch	Page	No.	mm inch	Page
 Standard Sockets	 6-point	18400M	232	17400M	242	242	19400M	246	246	10400M	248	248
	 6-point (Thin-walled)	18400A	232	17400A	242	242	19400A	246	246	10400A	248	248
	 6-point (with Magnet)	18401M	233									
	 6-point (with Magnet)	18401A	233									
	 12-point	18405M	233-234		17405M	243						
	 12-point (Thin-walled)	18405A	233		17405A	243						
	 Surface	18410M	234									
	 PATHFINDER®											
	 TORX® (E)		232									
	 TORX® (E) (with Magnet)		232									
 Short Sockets	 TORXplus® (EP)											
	 LH-S											
	 for Self Tapping Screws											
	 for Self Tapping Screws (with Magnet)											
	 Double Square											
	 for Weld Nut											
	 6-point (Thin-walled)											
	 6-point (Thin-walled)	18301X	235									
	 6-point (Thin-walled) (with Slide Magnet)											
	 Semi Deep Sockets	 6-point	18300M	235	17300M	243		19300M	247			
 6-point		18300A	235	17300A	243							
 6-point (Thin-walled)		18301M	236									
 6-point (Thin-walled) (with Slide Magnet)		18301A	236									
 12-point												
 12-point (Thin-walled)												
 Surface		18310M	236									
 PATHFINDER®												
 TORX® (E)												
 6-point		18104M	236									
 Extension Sockets	 6-point (with Magnet)											
	 12-point											
	 6-point											
	 6-point (Extension)											
 Universal Sockets	 TORX® (E)											
	 Bit Sockets											
 Bit Sockets (Bit changeable)	 Hexagon											
	 TORX® (T)											
	 Hexagon	18106-16	237									
	 TORX® (T)	18107-22	239									
 Universal bit Sockets	 TORX® (T)	18108-32	240	17108-32	244							
	 TORXplus® (EP)	18106-16(T)	TORX® 237									
	 XZN (Triple Square)	18106-16(XZN)	XZN 237									
 Extension Bars	 Hexagon											
	 Hexagon (Extension)											
 Universal Joints	 Extension Bars	18760	240	17760	245		19760	247				
	 Universal Joints	18770	241	17770	245		19770	247				
 Adaptors	 Universal Joints	18771	241	17771	245		19771	247				
	 Adaptors	18866A	241	17788A	245		19977A	247		10099A	248	248
 Locking Adaptors	 Adaptors	18877A	241	17799A	245							
	 Locking Adaptors	18888AL	241									

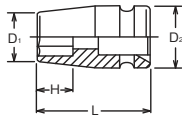
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 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

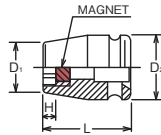
\*1 Pin/O-Ring=A21/B21 → P257

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 → P257

## 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

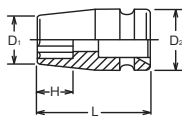
\*1 Pin/O-Ring=A21/B21 → P257

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 → P257

## 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 → P257

## SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit higher 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, Aluminium Schrauben 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

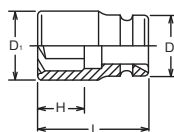
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

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 → P257



## 12465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder



## PATHFINDER®

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

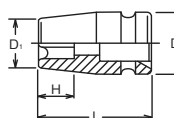
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschrauberschrauber) ganz besonders auswirkt.

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

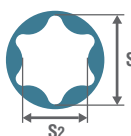
12425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P257

## 12425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



### TORX® (E)



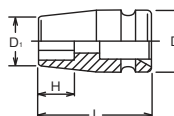
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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

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

\*1 Pin/O-Ring=A21/B21 → P257

## 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.

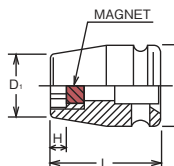
12460MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

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

\*1 Pin/O-Ring=A21/B21 → P257

## 12460MG / 12460AG

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



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

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

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

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

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 1/4"

Z-SERIES  
HAND  
TITANIUM  
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 → P257

### 12365M

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

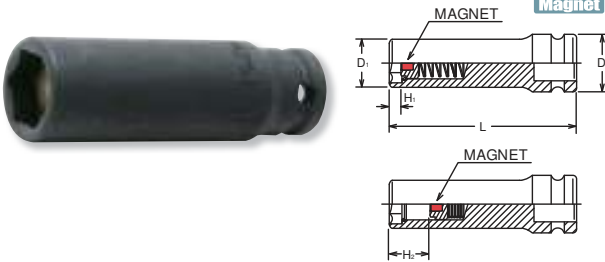


12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

\*1 Pin/O-Ring=A21/B21 → P257

### 12300G

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



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.)	
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 → P257

### 12139

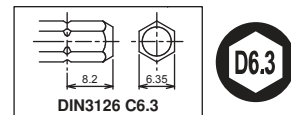
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



	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 → P257

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



### 12140

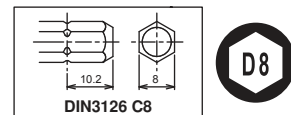
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



	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 → P257

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



### 12142-F6.3

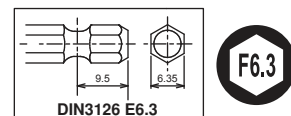
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



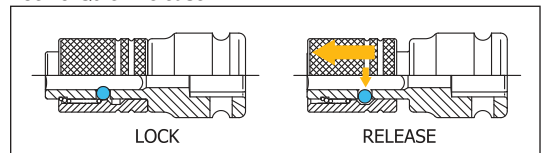
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	40	22	10	*1

\*1 Pin/O-Ring=A21/B21 → P257

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



#### Lock & Quick Release

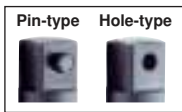


**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

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

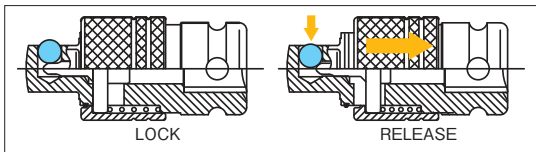
\*1 Pin/O-Ring=A21/B21 → P257



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

\*1 Pin/O-Ring=A21/B21 → P257

### Lock & Quick Release



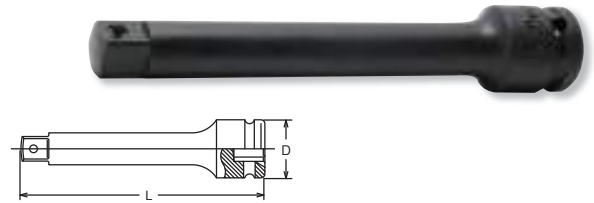
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



LOCKING ADAPTOR

### 12760-P 12760

Extension Bars  
Verlängerungen  
Rallonges



### 12222AL

Adaptor (Quick Release)  
Schnellwechsel-Verbindungsstück  
Adaptateur autoserrant



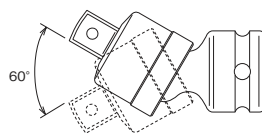
### 12770-P 12770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



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

\*1 Pin/O-Ring=A21/B21 → P257



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	Hole	1/4"	3/8"	22	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P257

### 12233A-P 12233A

Adaptor  
Verbindungsstück  
Augmenteur

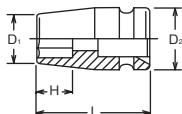


## 13400M / 13400A

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



FLAT DRIVE®



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

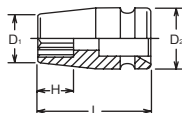
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 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

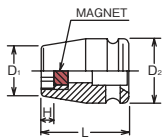
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32



# 3/8"

## Impact Sockets Impact Steckschlüssel Douilles Impact

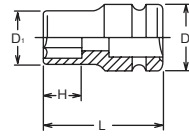
13401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	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 → P256-257

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

### 13401M / 13401A

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



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 → P256-257

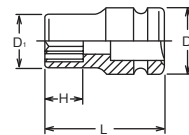
### RS13401M/9

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



### 13406M / 13406A

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



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 → P256-257

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 → P256-257

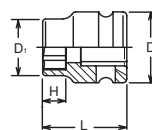
13401MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	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 → P256-257

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

### 13401MS

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



### RS13401MS/11

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



# Impact Sockets

## Impact Steckschlüssel

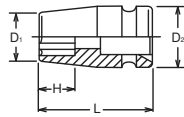
### Douilles Impact

# 3/8"

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

### 13410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive

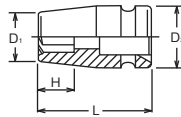


13410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13465M

Pathfinder Sockets  
Pathfinder Steckschlüssel  
Douilles Pathfinder

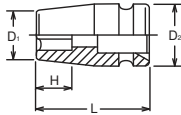


13465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13425

TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®

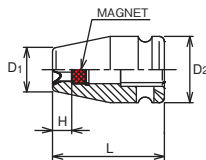


13425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
<b>E11</b>	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*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 → P256-257

### 13425EG

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

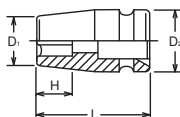


13425EG (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

### 13425-EPL

TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

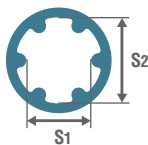
13460AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

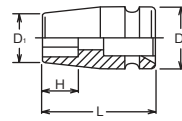
### WN



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

### 13460M / 13460A

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



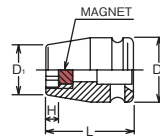
Socket for Self-Tapping Screws without infeed slope.

Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

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

### 13460MG / 13460AG

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



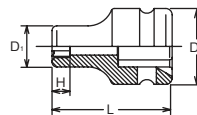
Socket with Magnet for Self-Tapping Screws without infeed slope.

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

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

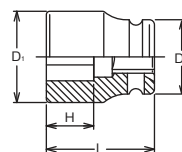
### 13401LH

LHS Sockets  
Steckschlüssel mit LHS Profil  
Douilles au profil LHS



### 13400-WN

Weld Nut Sockets  
Steckschlüssel für Schweissmuttern  
Douilles pour écrou à souder



# Impact Sockets

## Impact Steckschlüssel

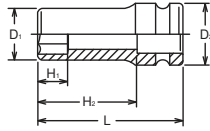
### Douilles Impact

# 3/8"

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

### 13301X

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



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

### RS13301X/9

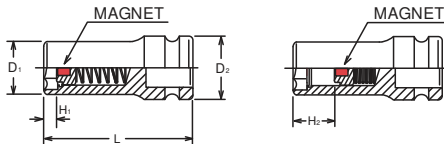
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

### 13300XG

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

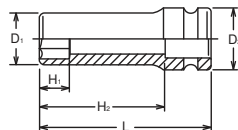


13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50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

### 13300M / 13300A

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



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
24	33.2	22	24	63.5	80	242	10	*2

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

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

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

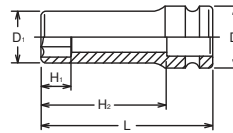
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

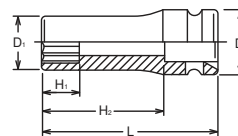
## 13301M / 13301A

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



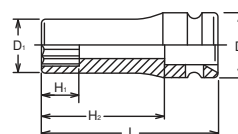
## 13305M

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



## 13306M

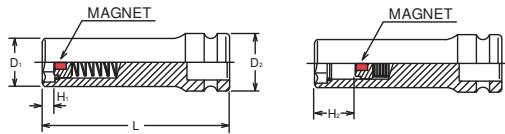
12-point Deep Sockets, Thin Walled  
12-kant Steckschlüssel, dünnwandig  
Douilles à paroi mince longues, 12-pans



# Impact Sockets Impact Steckschlüssel 3/8" Douilles Impact

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

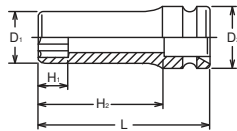
## 13300G Impact Socket with Sliding Magnet Impact Steckschlüssel mit versenkbarem Magnet Douilles Impact avec aimant, glissant pour écrous



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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

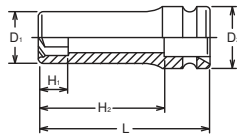
## 13310M Surface Drive Sockets, deep Surface Drive Steckschlüssel, lang Douilles longues, Surface Drive



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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

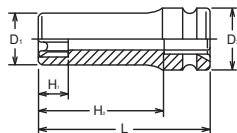
## 13365M Pathfinder Sockets, deep Pathfinder Steckschlüssel, lang Douilles longues, Pathfinder



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 → P256-257  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 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 → P256-257

13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	115	10	*1
11	17	6	57	115	10	*1
12	18.3	6	57	115	10	*1
13	19.5	6	57	115	10	*1
14	20.8	7	59	120	10	*1
15	22	7	59	120	10	*1
16	23.3	8	59	120	10	*1
17	24.5	8	59	120	10	*1
18	25.8	9	61	126	10	*1
19	27	10	61	130	10	*1
20	29.5	10	61	135	10	*1
21	30.7	14	66	175	10	*1
22	32	13	66	185	10	*1
24	34.5	13	68	190	10	*1

13440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/8	15.8	5	57	115	10	*1
7/16	17	6	57	115	10	*1
1/2	19.5	6	57	115	10	*1
9/16	20.8	7	59	120	10	*1
5/8	23.3	8	59	120	10	*1
11/16	24.5	8	59	120	10	*1
3/4	27	10	61	130	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	115	10	*1
E12	15.8	9.3	58	115	10	*1
E14	17	10.6	58	115	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*1
6	24	15	74	131	10	*1
8	24	20	74	136	10	*1
10	24	20	74	141	10	*1
17	24	7	53	150	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

⚠ 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.

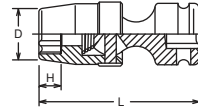
Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

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

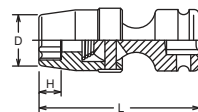
### 13440M / 13440A

○ Universal Sockets  
Gelenk-Einsätze  
Douilles universelles



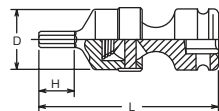
### 13440T

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



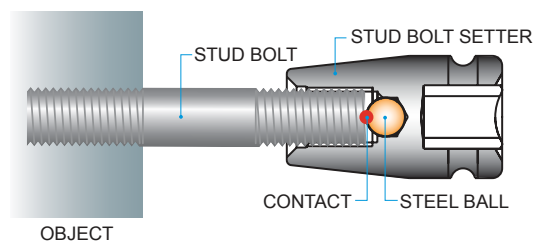
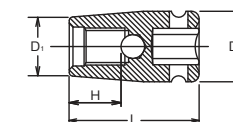
### 13430M

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



### 13103M

○ Impact Stud Bolt Setters  
Impact Stehbolzensetzer  
Monte-goujons Impact ⚠

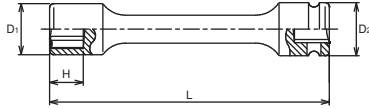


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

## 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 → P256-257

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

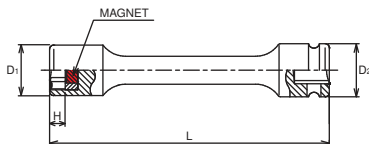
13145M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

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 → P256-257

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

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



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

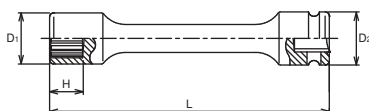
13145MG-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 8	13.3	19	3.5	150	121	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1

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 → P256-257

## 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 → P256-257



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

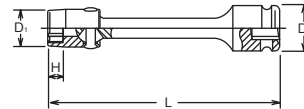
13146M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

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 → P256-257

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

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



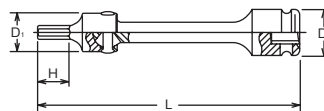
13147M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1

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 → P256-257

## 13147M-150 / -200

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




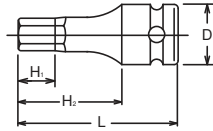
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

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

## 13012M-52

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



13012M-52 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	(V)
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
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 → P256-257

## RS13012M/8-L52

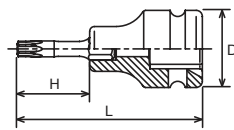
 Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

## 13025-50 / -90

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



13025-50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
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.)	(V)
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 → P256-257

## RS13025/8-L50

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

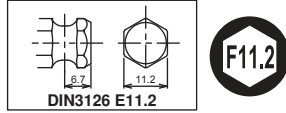


RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

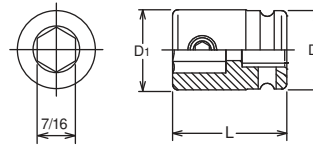
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13134</b>	22.5	22	32	70	10	*2

\*2 C-Ring=C32,Pin/O-Ring=A32/B32 → P256-257

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



## 13134 ○ Impact Bit Holder Impact Klingenhälter Porte embouts Impact



### 13134-SC

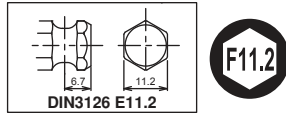


Replacement Screw : M8x5, ● 4mm  
Ersatzschraube : M8x5, ● 4mm  
Vis de remplacement : M8x5, ● 4mm

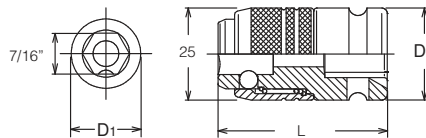
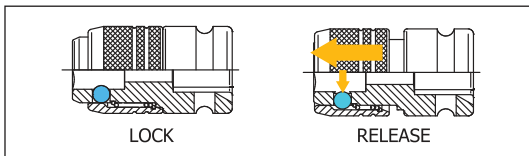
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13142-F11.2</b>	18.9	22	46	116	10	*2

\*2 C-Ring=C32,Pin/O-Ring=A32/B32 → P256-257

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

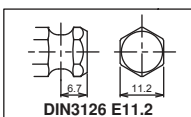


## 13142-F11.2 ○ Impact Bit Holder (Quick Release) Impact Klingenhälter (Quick Release) Porte embouts Impact (Quick Release) ⚠

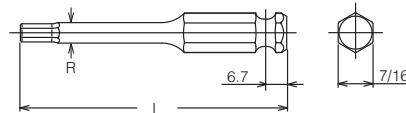


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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



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



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

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

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

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

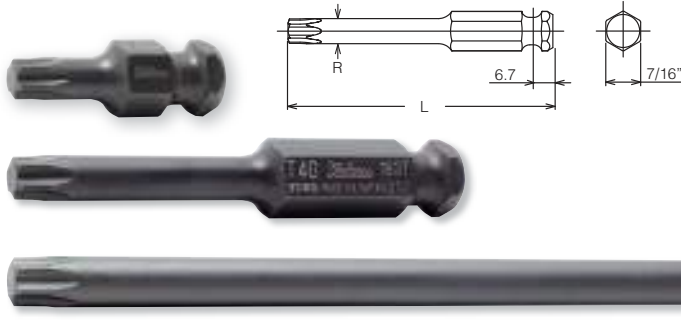
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

# 3/8"

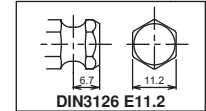
Z-SERIES  
HAND  
TITANIUM  
SCREWDRIVERS ACCESSORIES  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

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

TORX® Bits  
TORX® Bits  
Embouts, TORX®



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

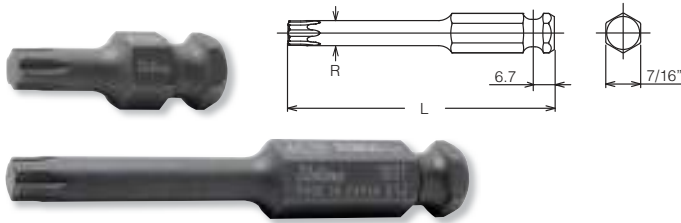


183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10

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

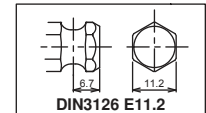
## 183T-35 / -75 (IP)

TORXPLUS® Bits  
TORXPLUS® Bits  
Embouts TORXPLUS®



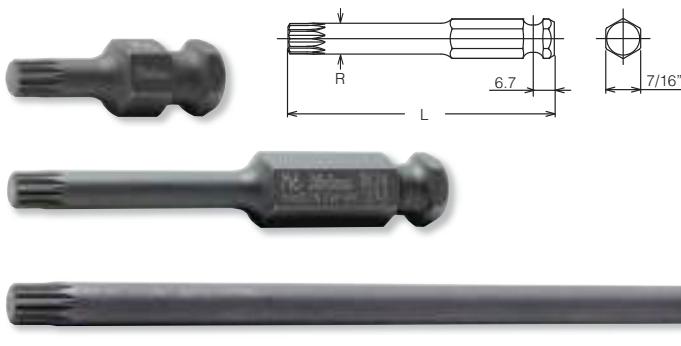
183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

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

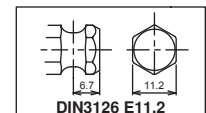


## 183X-35 / -75 / -150 (XZN)

XZN Bits  
XZN Bits  
Embouts, XZN



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



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

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

The items with ⚠ have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

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13134M-52 (mm)	D (mm)	H (mm)	L (mm)	R (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
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)	R (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
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

→ P256-257

13134T-52 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
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)	R (mm)	(g)	(pcs.)	
T30	22	20.6	92	6	105	10	*2
T40	22	20.6	92	6.9	107	10	*2
T45	22	20.6	92	8	111	10	*2
T50	22	20.6	92	9	115	10	*2
T55	22	20.6	92	11.4	125	10	*2
T60	22	20.6	92	13.5	137	10	*2

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

→ P256-257

13134T-52 (IP)	D (mm)	H (mm)	L (mm)	R (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)	R (mm)	(g)	(pcs.)	
30IP	22	20.6	92	6	105	10	*2
40IP	22	20.6	92	6.8	107	10	*2
45IP	22	20.6	92	8	111	10	*2
50IP	22	20.6	92	9	115	10	*2
55IP	22	20.6	92	11.4	126	10	*2
60IP	22	20.6	92	13.5	139	10	*2

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

→ P256-257

13134X-52 (XZN)	D (mm)	H (mm)	L (mm)	R (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)	R (mm)	(g)	(pcs.)	
M 5	22	20.6	92	6	104	10	*2
M 6	22	20.6	92	6.2	106	10	*2
M 8	22	20.6	92	7.4	109	10	*2
M10	22	20.6	92	9.8	124	10	*2
M12	22	20.6	92	11.7	129	10	*2
M14	22	20.6	92	13.5	139	10	*2

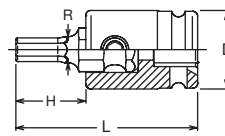
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P256-257

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

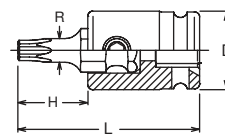
## 13134M-52 / -92

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



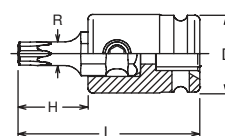
## 13134T-52 / -92 (T)

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



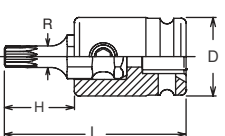
## 13134T-52 / -92 (IP)

● 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



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

Z-SERIES

HAND

TITANIUM

SCREWDRIVERS ACCESSORIES

IMPACT

SLEEVE-DRIVE

PROTECTOR

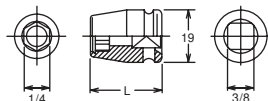
INDUSTRIAL

AUTOMOTIVE

CONSTRUCTION MOTORCYCLE

SPARE PART

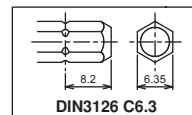
## 13139 ○ Bit Holder Klingenhalter Porte-embout



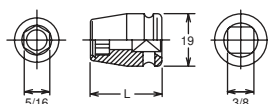
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>13139-1/4</b>	11	19	30	32	10	*1

\*1 C-Ring=C31,Pin/O-Ring=A31/B31 → P256-257

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



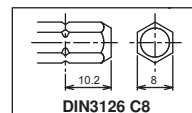
## 13140 ○ Bit Holder Klingenhalter Porte-embout



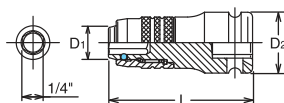
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>13140-5/16</b>	14	19	30	32	10	*1

\*1 C-Ring=C31,Pin/O-Ring=A31/B31 → P256-257

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



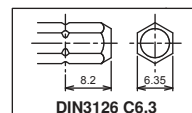
## 13142-D6.3 ○ Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant) ⚠



	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

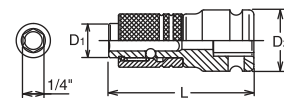
\*1 C-Ring=C31,Pin/O-Ring=A31/B31 → P256-257

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.

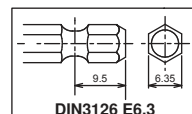
## 13142-F6.3 ○ Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant) ⚠



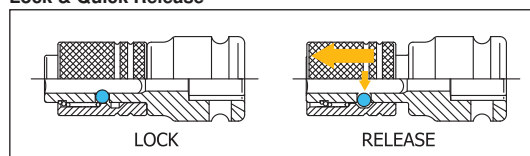
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>13142-F6.3</b>	16.5	19	45	60	10	*1

\*1 C-Ring=C31,Pin/O-Ring=A31/B31 → P256-257

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



### Lock & Quick Release



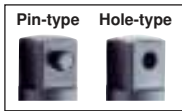
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

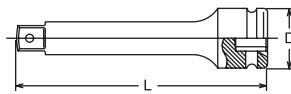
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257



## 13760-P 13760

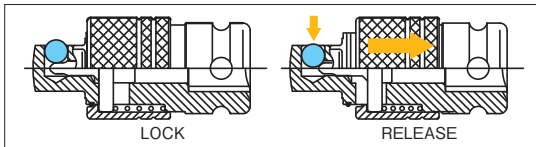
Extension Bars  
Verlängerungen  
Rallonges



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

### Lock & Quick Release

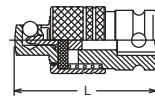


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



## 13333AL

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

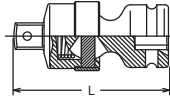
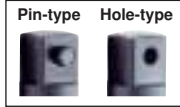


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

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

**13770-P** Universal Joint  
Gelenk-Einsatz  
Joint articulé  
**13770**



	TYPE	L (mm)	(g)	(pcs.)	⚡
<b>13770-P</b>	Pin	56	110	10	*2
<b>13770</b>	Hole	56	110	10	*2
<b>13771-P</b>	Pin	48	92	10	*2
<b>13771</b>	Hole	48	92	10	*2

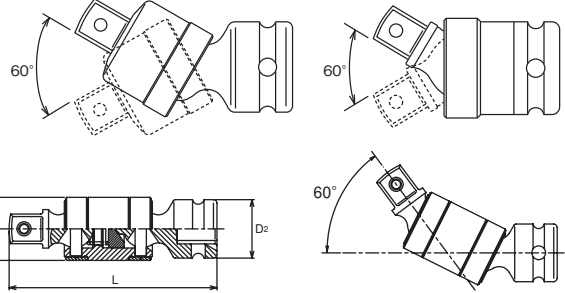
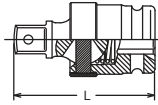
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

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.

**13771-P** Universal Joint  
Gelenk-Einsatz  
Joint articulé  
**13771**



**13772-P** Universal Double Joint  
Doppelgelenk-Einsatz  
Joint articulé double  
**13772-B**



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

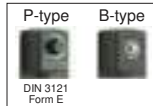
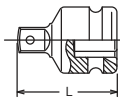
Make sure sockets hold bolts or nuts before operation.

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 le vis.

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

**13322A-P** Adaptor  
Verbindungsstück  
Réducteur  
**13322A**



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

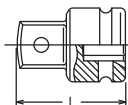
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P256-257

⚠ 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-P** Adaptor  
Verbindungsstück  
Augmentateur  
**13344A**



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

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

**13241M** Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



**13241M** 11 Pieces Set/⚡=850g

METAL CASE:W240×H30×T35mm

Sockets

13400M 6-pt. Sockets  
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

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



**13242M** 11 Pieces Set/⚡=1,140g

METAL CASE:W310×H90×T48mm

Sockets

13400M 6-pt. Sockets  
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



# 1/2"

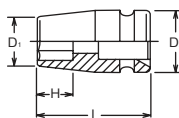
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact



FLAT DRIVE®

## 14400M / 14400A

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



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

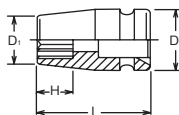
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## 14405M / 14405A

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



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 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

## RS14405M/11

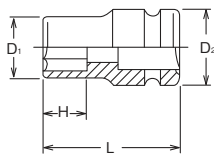
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

## 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

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

→ P256-257

## RS14401M/10

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



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

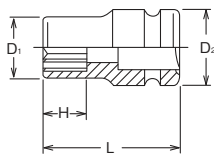
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P256-257

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

## 14406M / 14406A

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



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

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

→ P256-257

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

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

→ P256-257

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

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

→ P256-257

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

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	165	10	*2

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

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

→ P256-257

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

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

→ P256-257

14410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	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	134	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
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	285	5	*2

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

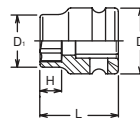
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P256-257



### 14401MS

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



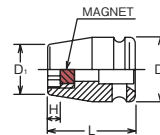
### RS14401MS/10

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



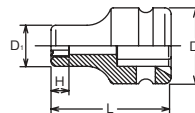
### 14400MG

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



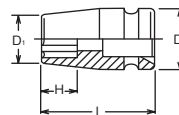
### 14401LH

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 higher 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, Aluminium Schrauben 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.

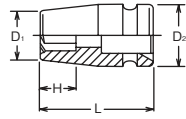
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

## 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.

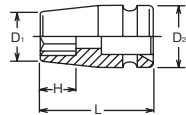
Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les chaînes de montage automatiques.

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

## 14415M

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

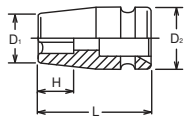


14415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16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

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

## 14425

TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®

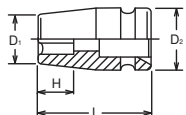


14425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	40	89	10	*1
E20	24.2	30	14.4	40	134	10	*2
E22	26.2	30	15.5	40	140	10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

## 14425-EPL

TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®

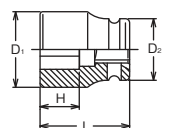


14425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	38	90	10	*1
20EPL	24.5	30	11.2	38	135	10	*2

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

## 14400-WN

Weld Nut Sockets  
Steckschlüssel für Schweißmutter  
Douille pour écrou à souder



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

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

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

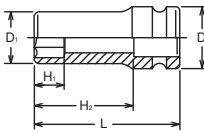
→ P256-257

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

## 14301X



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



## RS14301X/10



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



## 14300M / 14300A



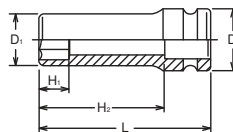
6-point Deep Sockets  
6-kant-Steckschlüssel lang  
Douilles longues 6-pans

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	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
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	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
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
34	47	30	33	62	85	570	2	*2
35	48.2	30	35	62	85	600	2	*2
36	49.5	30	36	61	85	640	2	*2
38	52	30	38	60	85	655	2	*2
41	55.7	30	38	60	85	690	2	*2

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

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

→ P256-257



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	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

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

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

→ P256-257

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

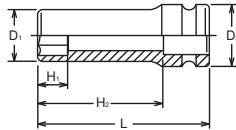
MOTORCYCLE

CONSTRUCTION

SPARE PART

## 14301M / 14301A

6-point Deep Sockets, Thin Walled  
6-kant Steckschlüssel, dünnwandig  
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.)	
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. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

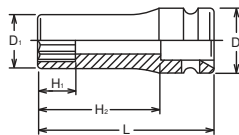
\*1 C-Ring=C41, Pin/O-Ring=A41/B41



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

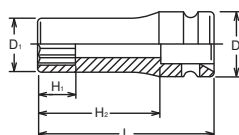
## 14305M

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



## 14306M

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



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

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

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

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 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

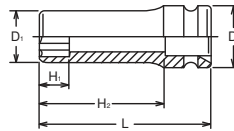
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

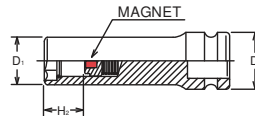
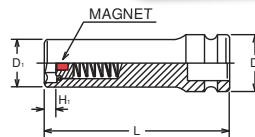
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



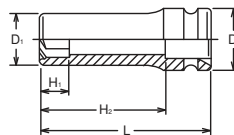
**14310M** ○ Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive



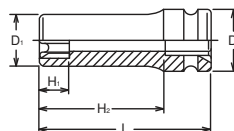
**14300G** ○ Impact Socket with Sliding Magnet  
Impact Steckschlüssel mit versenkbarem Magnet  
Douilles Impact avec aimant, glissant pour écrous



**14365M** ○ Pathfinder Sockets, deep  
Pathfinder Steckschlüssel, lang  
Douilles longues, Pathfinder



**14325** ○ TORX® Deep Sockets  
TORX® Steckschlüssel, lang  
Douilles longues TORX®

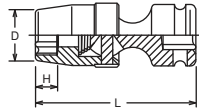


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

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

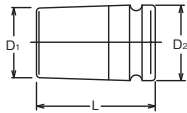


14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5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

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

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P256-257

## 14100M / 14100A Impact Stud Pullers Impact Stehbolzenendreher Extracteurs de goujons Impact



14100M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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 → P256-257



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

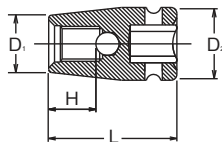
Der neue Körper mit sechs Walzenmulden verteilt den Druck auf den Käfig und die Walzen weitaus vorteilhafter.

La forme hexagonale du corps améliore les tolérances. Elle répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

### Tolerance


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

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



14103M (mm)	D1 (mm)	D2 (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

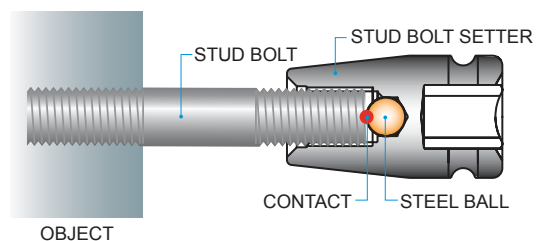
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

 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 die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

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





14145M-100 (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

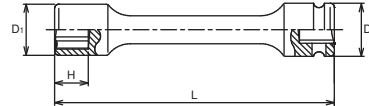
14145M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25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

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 → P256-257

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

○ Extra Long Sockets  
Schäftsteckschlüssel  
Douilles, série allongée



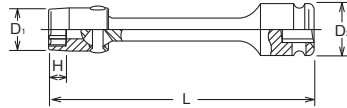
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

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

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



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

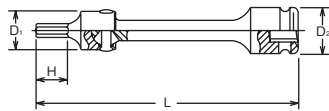
14146M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	Ⓢ
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	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 → P256-257

## 14147M-150 / -200

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



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 → P256-257

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
<b>18</b>	30	15.5	38	60	200	10	*2
19	30	15.5	38	60	210	10	*2

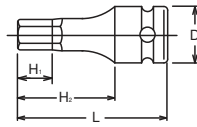
\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P256-257

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

### 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 (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

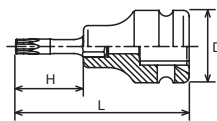
14025-100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

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

→ P256-257

### 14025-60 / -100

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



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

### RS14025/6-L60

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

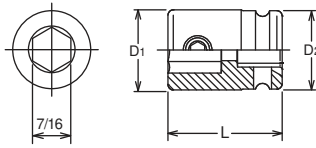


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

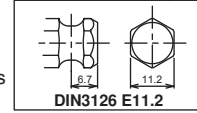
## 14134 ○ Impact Bit Holder Impact Klingenhalter Porte embouts Impact



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>14134</b>	22.5	25	38	90	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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

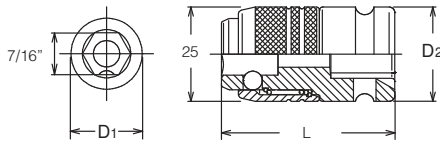


13134-SC



Replacement Screw : M8x5, ● 4mm  
Ersatzschraube : M8x5, ● 4mm  
Vis de remplacement : M8x5, ● 4mm

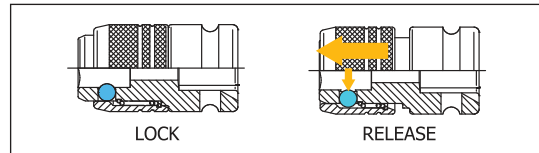
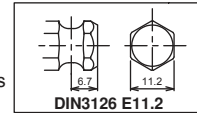
## 14142-F11.2 ○ Impact Bit Holder (Quick Release) Impact Klingenhalter (Quick Release) Porte embouts Impact (Quick Release) ⚠



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

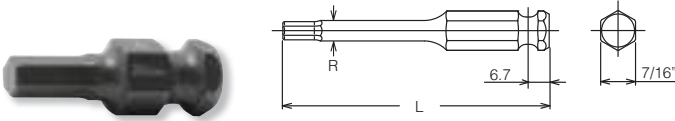
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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

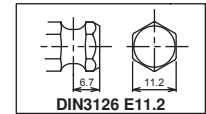


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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



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



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



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



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



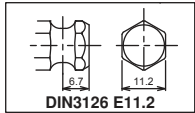
⚠ The items with ⚠ have larger output size than 7/16" input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

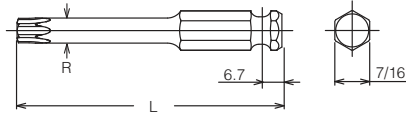
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

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



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

TORX® Bits  
TORX® Bits  
Embout, TORX®

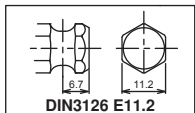


183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

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

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

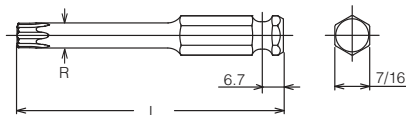
183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



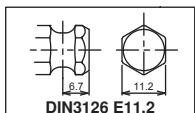
## 183T-35 / -75 (IP)

TORXPLUS® Bits  
TORXPLUS® Bits  
Embout TORXPLUS®

**TORXplus**

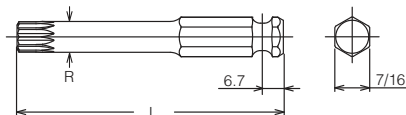


183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10



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

XZN Bits  
XZN Bits  
Embout, XZN



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

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

The items with ⚠ have larger output size than 7/16" input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

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TORX® und TORXplus® sind eingetragene Markenzeichen der Firma CAMCAR Innovations.  
TORX® et TORXplus® sont des marques déposées sous le nom de la société CAMCAR Innovations.

Koken TOOL CO., LTD.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

## 14134M-58 / -98

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



14134M-58 (mm)	D (mm)	H (mm)	L (mm)	R (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

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

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



14134M-98 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	25	20	98	6	124	5	*1
4	25	20	98	6	125	5	*1
5	25	20	98	6.5	126	5	*1
6	25	20	98	7.5	129	5	*1
7	25	20	98	8.5	135	5	*1
8	25	20	98	9.5	137	5	*1
10	25	20	98	-	147	5	*1
12	25	20	98	-	155	5	*1
14	25	20	98	-	169	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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

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



14134T-58 (T)	D (mm)	H (mm)	L (mm)	R (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)	R (mm)	(g)	(pcs.)	
T30	25	20	98	6	125	5	*1
T40	25	20	98	6.9	127	5	*1
T45	25	20	98	8	131	5	*1
T50	25	20	98	9	135	5	*1
T55	25	20	98	11.4	145	5	*1
T60	25	20	98	13.5	157	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

## 14134X-58 / -98 (XZN)

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



14134T-58 (IP)	D (mm)	H (mm)	L (mm)	R (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)	R (mm)	(g)	(pcs.)	
30IP	25	20	98	6	125	5	*1
40IP	25	20	98	6.8	127	5	*1
45IP	25	20	98	8	131	5	*1
50IP	25	20	98	9	135	5	*1
55IP	25	20	98	11.4	146	5	*1
60IP	25	20	98	13.5	159	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

14134X-58 (XZN)	D (mm)	H (mm)	L (mm)	R (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)	R (mm)	(g)	(pcs.)	
M 5	25	20	98	6	124	5	*1
M 6	25	20	98	6.2	126	5	*1
M 8	25	20	98	7.4	129	5	*1
M10	25	20	98	9.8	144	5	*1
M12	25	20	98	11.7	149	5	*1
M14	25	20	98	13.5	159	5	*1


\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

	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 → P256-257

14106-SC

 Replacement Screw : M6x8, 3mm

107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	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)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10



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

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

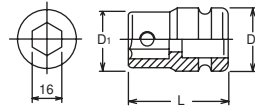
107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

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

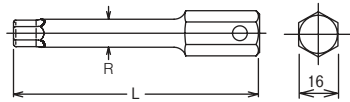
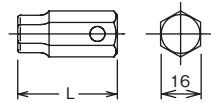
107-16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

 The items with  have larger output size than 16mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

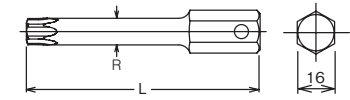
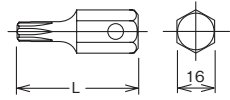
### 14106 Bit Holder Klingenhalter Porte-embout



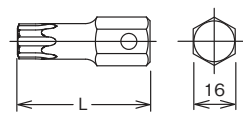
### 107-16 Bits for Inch Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux



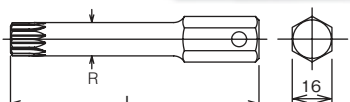
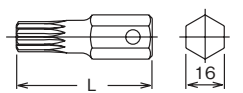
### 107-16 (T) TORX® Bits TORX® Klingen Embout, TORX®



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



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

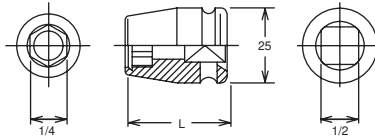


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

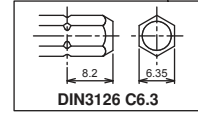
**14139** ○ Bit Holder  
Klingenhälter  
Porte-embouts



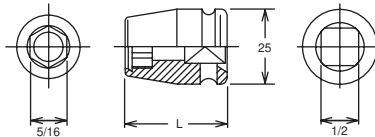
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>14139-1/4</b>	11	25	35	62	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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



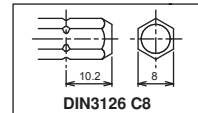
**14140** ○ Bit Holder  
Klingenhälter  
Porte-embouts



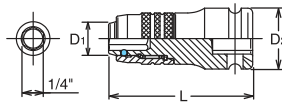
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>14140-5/16</b>	14	25	35	62	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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



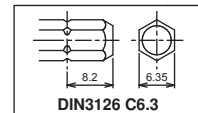
**14142-D6.3** ○ Bit Holder (Quick Release)  
Klingenhälter (Schnellwechselfutter) ⚠  
Porte embouts (mandrin autoserrant)



	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

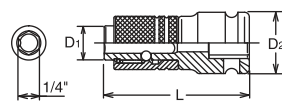
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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.

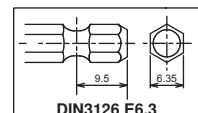
**14142-F6.3** ○ Bit Holder (Quick Release)  
Klingenhälter (Schnellwechselfutter) ⚠  
Porte embouts (mandrin autoserrant)



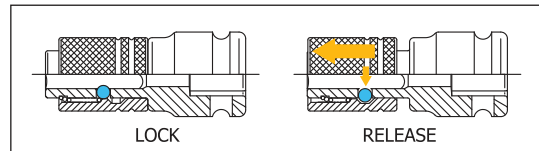
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
<b>14142-F6.3</b>	16.5	25	55	100	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

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.

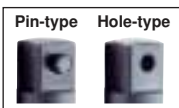
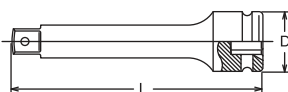


## 14760-P 14760

Extension Bars  
Verlängerungen  
Rallonges



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



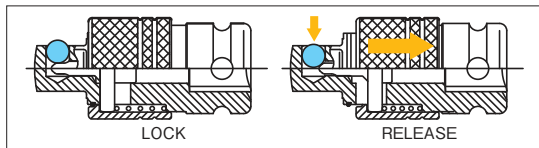
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2
New 14760-300	Hole	30	300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

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P256-257

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P256-257

### Lock & Quick Release

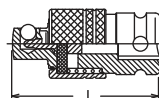


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



## 14444AL

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



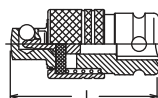
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
New 14466AL	1/2"	3/4"	75	460	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P256-257

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

## 14466AL

Adaptor (Quick Release)  
Adaptador (Extracción Rápida) ⚠



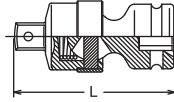
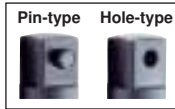
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

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

## 14770-P 14770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



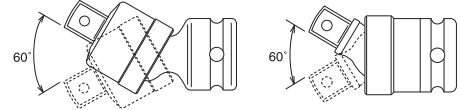
	TYPE	L (mm)	(g)	(pcs.)	
14770-P	Pin	74	210	5	*2
14770	Hole	74	210	5	*2
14771-P	Pin	65	198	5	*2
14771	Hole	65	198	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P256-257

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

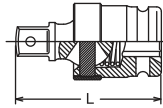
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

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



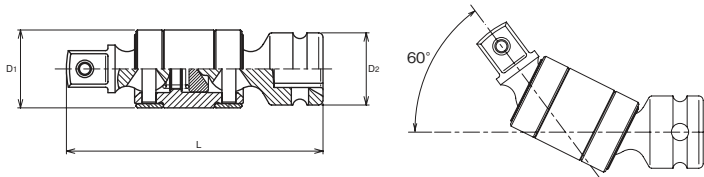
## 14771-P 14771

Universal Joint  
Gelenk-Einsatz  
Joint articulé



## 14772-P 14772-B

Universal Double Joint  
Doppelgelenk-Einsatz  
Joint articulé double



	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 → P256-257



Make sure sockets hold bolts or nuts before operation.

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

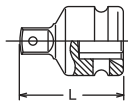
Avant la manipulation, il est nécessaire de s'assurer que la douille renferme parfaitement la vis.

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

## 14433A-P 14433A

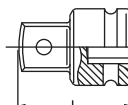
Adaptor  
Verbindungsstück  
Réducteur

No Warranty  
Keine Garantie  
Sans Garantie



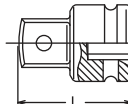
## 14455A

Adaptor  
Verbindungsstück  
Augmentateur



## 14466A

Adaptor  
Verbindungsstück  
Augmentateur



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14433A-P	Pin	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 → P256-257

⚠ 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 → P256-257

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

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P256-257

**14209M** 10 Pieces Set/△=830g

METAL CASE:W190×H59×T45mm

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

**14209M**  Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles



**14210M** 18 Pieces Set/△=1,250g

METAL CASE:W310×H90×T48mm

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

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



**14210T** 14 Pieces Set/△=1,080g

METAL CASE:W310×H90×T48mm

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

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



**14210X** 14 Pieces Set/△=1,040g

METAL CASE:W310×H90×T48mm

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

**14210X**  Socket Sets  
Steckschlüssel Sätze  
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


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



**14207M** 10 Pieces Set/⚖️=2,700g

METAL CASE:W310×H90×T48mm

Sockets

 **14300M** 6-pt Deep Sockets  
10, 12, 13, 14, 17, 19, 21, 22, 24, 27


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



**14208M** 13 Pieces Set/⚖️=3,500g

METAL CASE:W395×H90×T50mm

Sockets

 **14300M** 6-pt Deep Sockets  
10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27


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



**14241M-00** 13 Pieces Set/⚖️=2,000g

METAL CASE:W196×H100×T45mm

Sockets


 **14400M** 6-pt. Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

**14241M-05**  Socket Set

**14241M-05** 13 Pieces Set/⚖️=2,000g

METAL CASE:W196×H100×T45mm

Sockets

 **14405M** 12-pt. Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

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



**14242M** 12 Pieces Set/⚖️=1,890g

METAL CASE:W310×H90×T48mm

Sockets

 **14400M** 6-pt. Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

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




**14245M-00** 18 Pieces Set/⚖️=2,250g

METAL CASE:W310×H90×T48mm

Sockets

Accessories

 **14400M** 6-pt. Sockets  
10, 12, 13, 14, 16, 17, 18,  
19, 21, 22, 24, 27



**14760-125P**



**14770-P**




**1401A, 1402A  
1401B, 1402B**

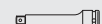
**14245M-05** 18 Pieces Set/⚖️=2,250g

METAL CASE:W310×H90×T48mm

Sockets

Accessories

 **14405M** 12-pt. Sockets  
10, 12, 13, 14, 16, 17, 18,  
19, 21, 22, 24, 27



**14760-125P**



**14770-P**



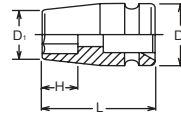
**1401A, 1402A  
1401B, 1402B**

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 → P257



**15400M** 6-point Sockets  
6-kant Steckschlüssel  
Douilles 6-pans

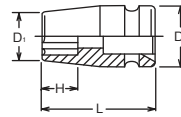


15410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

\*1 Pin/O-Ring=A51/B51 → P257



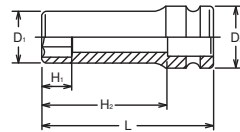
**15410M** Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



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 → P257

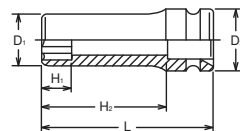
**15300M** 6-point Deep Sockets  
6-kant-Steckschlüssel, lang  
Douilles longues 6-pans



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 → P257

**15310M** Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive

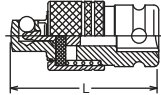


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 5/8"

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

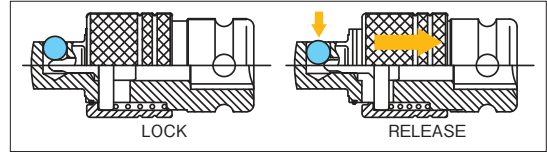
**15555AL** Adaptor (Quick Release)  
Schnellwechsel-Verbindungsstück (Quick Release)  
Adaptateur (Quick Release) 




	L (mm)	(g)	(pcs.)	
<b>15555AL</b>	70	310	2	*1

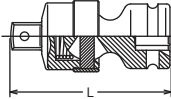
\*1 Pin/O-Ring=A51/B51 → P257

### Lock & Quick Release



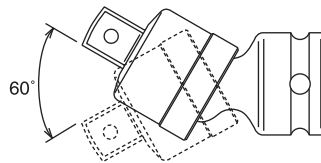
 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

**15770** Universal Joint  
Gelenk-Einsatz  
Joint articulé



	L (mm)	(g)	(pce.)	
<b>15770</b>	88	420	1	*1

\*1 Pin/O-Ring=A51/B51 → P257



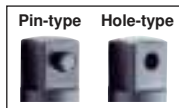
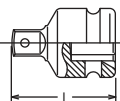
Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

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.


**15544A-P** Adaptor  
Verbindungsstück  
Réducteur 


**15544A** No Warranty  
Keine Garantie  
Sans Garantie




	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
<b>15544A-P</b>	5/8"	1/2"	46	165	1	*1
<b>15544A</b>	5/8"	1/2"	46	165	1	*1

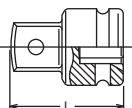
\*1 Pin/O-Ring=A51/B51 → P257

 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.

**15566A** Adaptor  
Verbindungsstück  
Augmentateur



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

\*1 Pin/O-Ring=A51/B51 → P257

# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

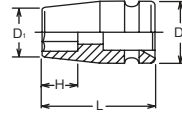
16400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62



## 16400M / 16400A

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



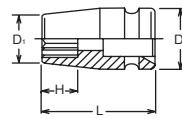
16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1.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

16405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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 → P256-257  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

## 16405M / 16405A

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



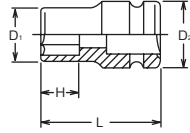
16405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
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

New

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

## 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.)	⚡
New 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
New 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 → P256-257

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

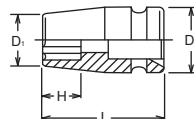
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

## 16410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



SURFACE DRIVE



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 → P256-257



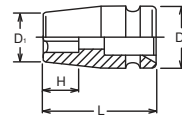
# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

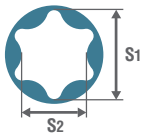
16425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

**16425** TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



**TORX® (E)**

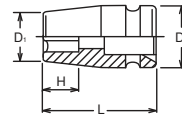


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

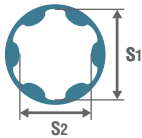
16425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	40	44	16.1	62	488	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

**16425-EPL** TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®



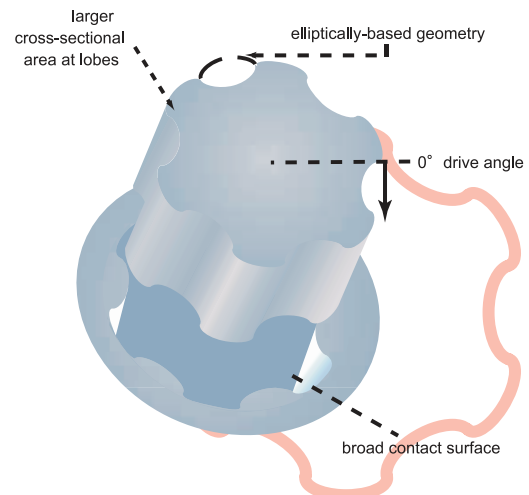
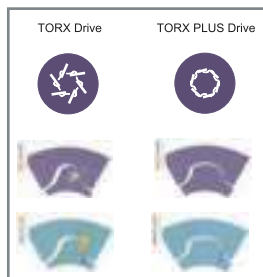
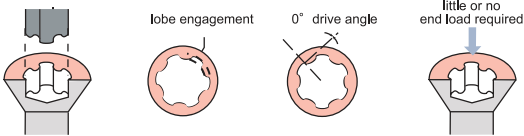
**TORXplus® (EP/EPL)**



EP/EPL	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S <sub>1</sub> (ref. mm)	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)	5.3	6.8	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



# TORXplus®




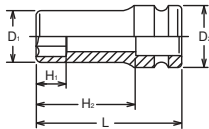
# Impact Sockets

## Impact Steckschlüssel 3/4"

### Douilles Impact

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

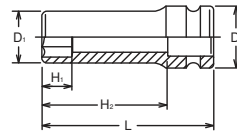
**16301X**  6-point Semi-Deep Sockets, Thin Walled  
6-kant Steckschlüssel mittel lang, dünnwandig  
Douilles à paroi mince semi-longues, 6-pans



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 → P256-257

**16300M / 16300A**  6-point Sockets, deep  
6-kant Steckschlüssel, lang  
Douilles longues, 6-pans



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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

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
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

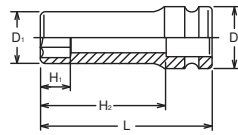
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

## 16301M / 16301A

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



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
<b>New</b> 39	55.5	43	38	70	100	910	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	-	100	1328	2	*2

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

\*2 C-Ring=C81, Pin/O-Ring=A62/B62 → P256-257

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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

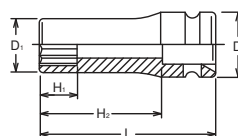
16305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	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 C-Ring=C81, Pin/O-Ring=A62/B62 → P256-257

## 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

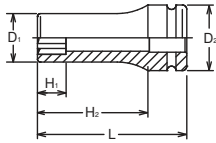
# Impact Sockets

## Impact Steckschlüssel 3/4"

### Douilles Impact

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

**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.)	
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
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 → P256-257

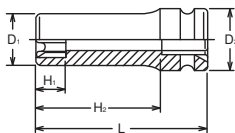
## SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit higher 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, Aluminium Schrauben 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.

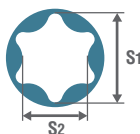
**16325**  TORX® Deep Sockets  
TORX® Steckschlüssel, lang  
Douilles longues TORX®



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 → P256-257

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

16106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	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 (mm)	L (mm)	(g)	(pcs.)	⚡
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1 ⚠

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

⚠ The items with ⚠ have larger output size than 16mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

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

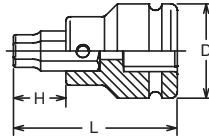
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

16106-SC

Replacement Screw : M6x10, ⚫3mm

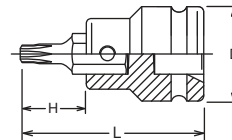
### 16106-16

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



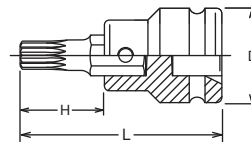
### 16106-16(T)

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



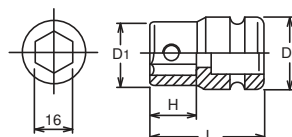
### 16106-16(XZN)

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



### 16106

⚫ Bit Holder  
Klingenhalter  
Porte-embout



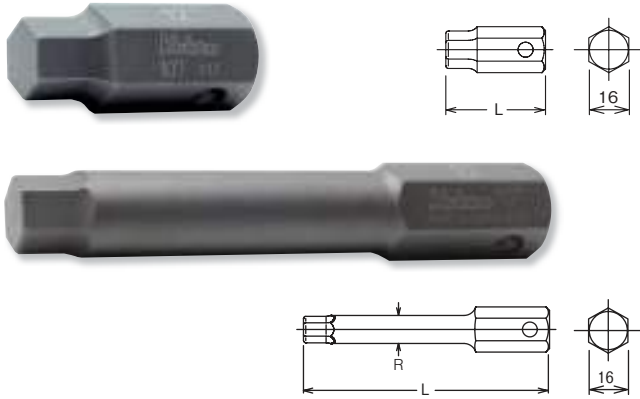
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 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  
Embouts pour vis 6-pans males creux



107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	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)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

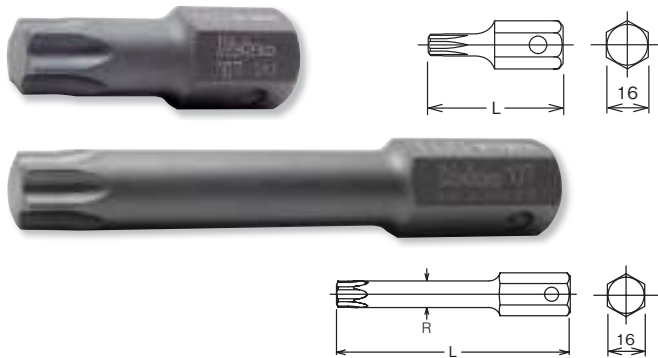
  

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10

The items with have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

## 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)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	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)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

16107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
19	44	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 → P256-257

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 → P256-257

16107-SC

Replacement Screw : M8x14, ●4mm

107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10



107-22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10



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

New  
New  
New  
New



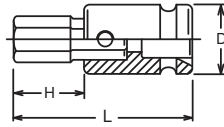
107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

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

New  
New  
New  
New

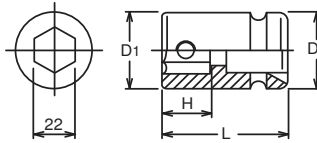
## 16107-22

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



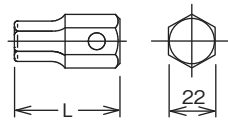
## 16107

Bit Holder  
Klingenthaler  
Porte embouts



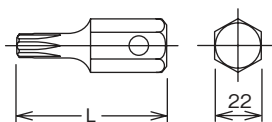
## 107-22

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



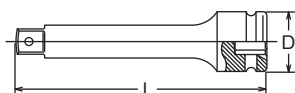
## 107-22 (T)

TORX® Bits  
TORX® Klingen  
Embouts, TORX®



## 16760

Extension Bars  
Verlängerungen  
Rallonges



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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

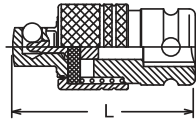
⚠ The items with ⚠ have larger output size than 22mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

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

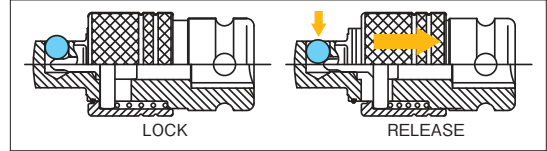
**16666AL** Adaptor (Quick Release)  
Verbindungsstück (Quick Release)  
Adaptateur (Quick Release) ⚠



	L (mm)	(g)	(pcs.)	
<b>16666AL</b>	75	660	2	*1

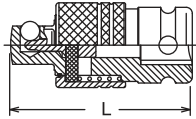
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

### Lock & Quick Release



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

**16644AL** Adaptor (Quick Release)  
Adaptador (Extracción Rápida) No Warranty  
Sin Garantía ⚠

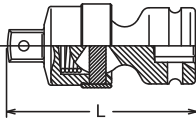


	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>16644AL</b>	3/4"	1/2"	70	240	2	*1

\*1 Pin/O-Ring=A51/B51 → P257

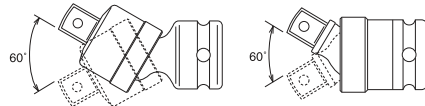
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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



	L (mm)	(g)	(pce.)	
<b>16770</b>	106	790	1	*1
<b>16771</b>	95	720	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

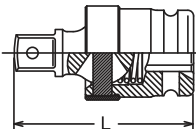


Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

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

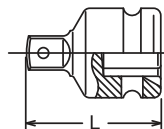
Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu'à un angle de 30° maximum.

**16771** Universal Joint  
Gelenk-Einsatz  
Joint articulé



**16644A-P** Adaptors  
Verbindungsstücke  
Réducteurs No Warranty  
Keine Garantie  
Sans Garantie ⚠

**16644A**  
**16655A**



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>16644A-P</b>	Pin	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)	(pce.)	
<b>16655A</b>	3/4"	5/8"	55.5	336	5	*1

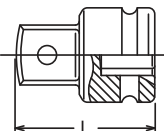
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P256-257

⚠ 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)	(pce.)	
<b>16688A</b>	3/4"	1"	62	435	1	*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 → P256-257

**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




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


<b>16201A-00</b>	11 Pieces Set/△=6,000g
METAL CASE:W290×H120×T70mm	
Sockets	
	<b>16400A</b> 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





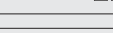
<b>16201M-01</b>	13 Pieces Set/△=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
	<b>16401M</b> 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41

<b>16201A-01</b>	11 Pieces Set/△=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
	<b>16401A</b> 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



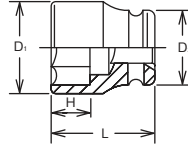
<b>16245M</b>	17 Pieces Set/△=12,000g
METAL CASE:W590×H127×T72mm	
Sockets	Accessories
	 <b>16760-175</b>
<b>16400M</b> 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 <b>16760-330</b>

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



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

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
<b>New</b> 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. 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
<b>New</b> 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 **→ P256-257**  
 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
 \*2 C-Ring=C82, Pin/O-Ring=A82/B82 **→ P256-257**  
 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

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

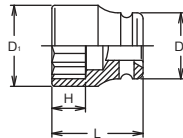
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P256-257

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

### 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

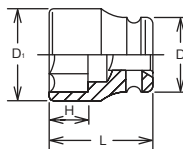
\*1 C-Ring=C81, Pin/O-Ring=A81/B81

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

→ P256-257

### 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

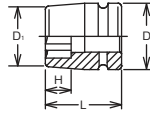
## 18410M



Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



SURFACE DRIVE



18410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 19	35.3	54	13	57	570	2	*1
New 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

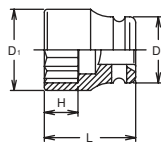
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

## 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 → P256-257

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.

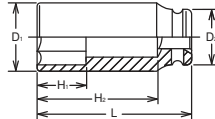


18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	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	-	85	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 → P256-257

## 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 → P256-257  
\*3 C-Ring=C83, Pin/O-Ring=A83/B83

\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P256-257  
\*3 C-Ring=C83, Pin/O-Ring=A83/B83

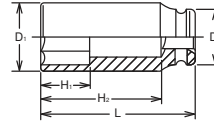
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

## 18301M / 18301A

6-point Deep Sockets, Thin Walled  
6-kant Steckschlüssel, dünnwandig  
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

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

→ P256-257

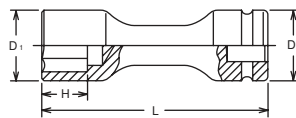
18301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	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

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

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

## 18104M

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



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

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

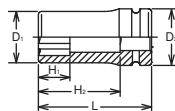
## 18310M

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



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 → P256-257



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

18106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	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 (mm)	L (mm)	(g)	(pcs.)	
1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1

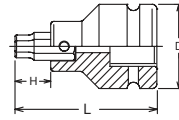
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

⚠ The items with ⚠ have larger output size than 16mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

## 18106-16



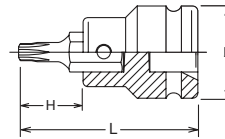
Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



## 18106-16(T)



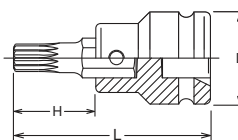
TORX® Bit Sockets  
TORX® Bit-Steckschlüssel  
Douilles tournevis, TORX®



## 18106-16(XZN)



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



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

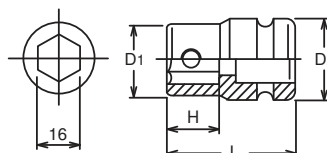
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

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 → P256-257

16106-SC

Replacement Screw : M6x10, 3mm



## 18106



Bit Holder  
Klingenhalter  
Porte embouts

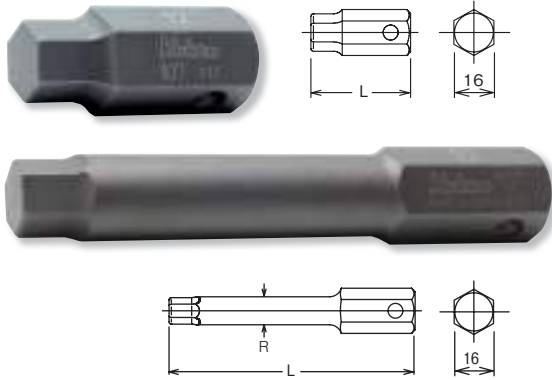
# Impact Sockets Impact Steckschlüssel Douilles Impact

# 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  
Emboutis pour vis 6-pans males creux



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

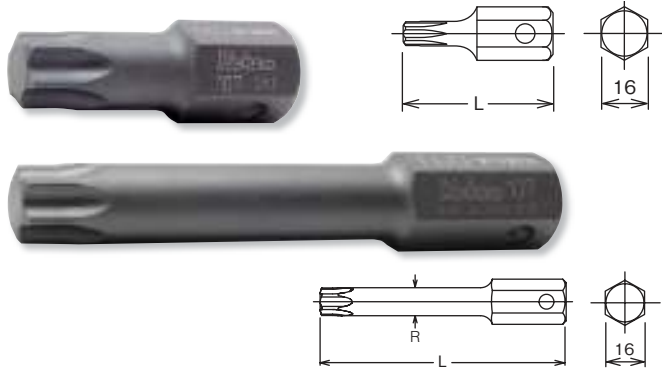
107-16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10

The items with ⚠ have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

## 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)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

## 107-16 (IP)

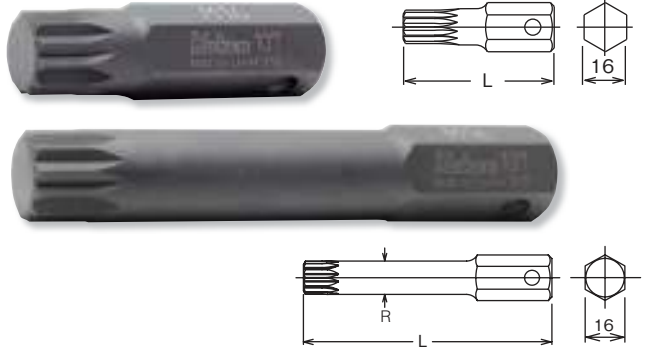
TORXPLUS® Bits  
TORXPLUS® Klingen  
Emboutis TORXPLUS®



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)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10



18107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚠
19	54	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 → P256-257



18107	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚠
18107	44	54	22	70	770	2	*1

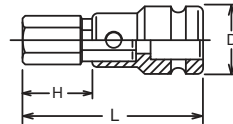
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

16107-SC

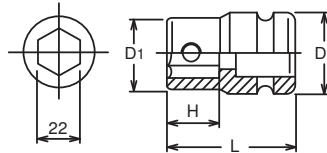
Replacement Screw : M8x14, ●4mm



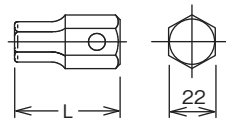
**18107-22** ⚠ Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



**18107** ○ Bit Holder  
Klingenhalter  
Porte embouts



**107-22** ⚠ Bits for Inhex Screws  
Klingen für Innensechskant-Schrauben  
Embouts pour vis 6-pans mâles creux



107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107-22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

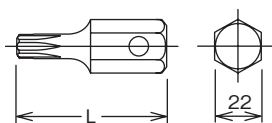
107-22(L140) (mm)	L (mm)	(g)	(pcs.)
New 17	140	431	5
New 19	140	441	5
New 22	140	460	5
New 24	140	513	5

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.)
New T 70	140	395	5
New T 80	140	407	5
New T 90	140	420	5
New T100	140	434	5

⚠ The items with ⚠ have larger output size than 22mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

**107-22 (T)** ⚠ TORX® Bits  
TORX® Klingen  
Embouts, TORX®

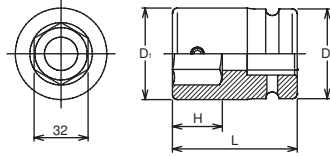


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

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


## 18108 Bit Holder Klingenhalter Porte embouts



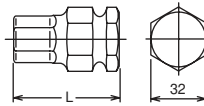
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>18108</b>	55	54	30	75	930	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

### 18108-SC

 Replacement Screw : M8×12, ●4mm

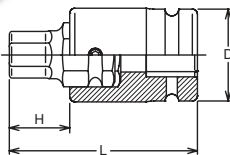
## 107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans mâle creux




107.32 (mm)	L (mm)	(g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10





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

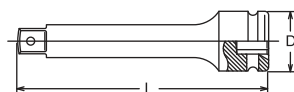



18108.32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>19</b>	54	30	105	1230	2	*1
<b>22</b>	54	30	105	1250	2	*1
<b>24</b>	54	30	105	1260	2	*1
<b>27</b>	54	30	105	1290	2	*1
<b>30</b>	54	30	105	1320	2	*1
<b>32</b>	54	30	105	1340	2	*1
<b>36</b>	54	30	105	1390	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

 The items with  have larger output size than 32mm input hex drive.  
Due to this design the Maximum output torque rating is less than DIN/ISO standards.

## 18760 Extension Bars Verlängerungen Rallonges



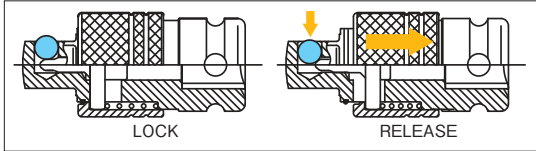
	D (mm)	L (mm)	(g)	(pcs.)	
<b>18760-175</b>	54	175	1400	1	*1
<b>18760-200</b>	54	200	1580	1	*1
<b>18760-250</b>	54	250	1885	1	*1
<b>18760-330</b>	54	330	2380	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

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

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

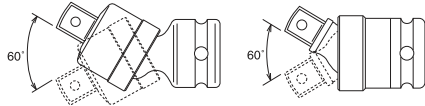
### Lock & Quick Release



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

	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 → P256-257



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

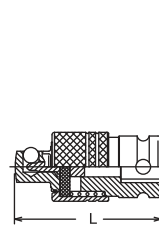
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

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



## 18888AL

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



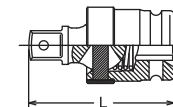
## 18770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



## 18771

Universal Joint  
Gelenk-Einsatz  
Joint articulé



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
<b>18866A</b>	1"	3/4"	66.5	580	1	*1
<b>18866A-200</b>	1"	3/4"	200	1100	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

**⚠** 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

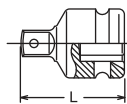
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P256-257

## 18866A

Adaptors  
Verbindungsstücke  
Réducteurs

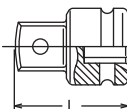
No Warranty  
Keine Garantie  
Sans Garantie **⚠**

## 18866A-200 **⚠**



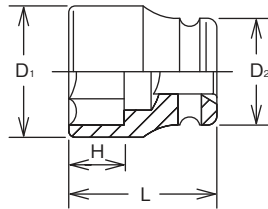
## 18877A

Adaptor  
Verbindungsstück  
Augmentateur



## 17400M / 17400A

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



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
<b>57</b>	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

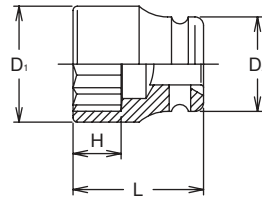
17405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	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

→ P256-257

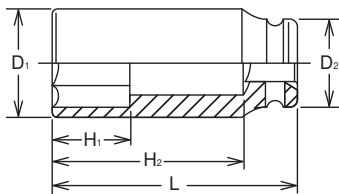
## 17405M / 17405A

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

→ P256-257

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

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

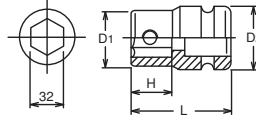
→ P256-257

# 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 Bit Holder Klingenhalter Porte-embouts



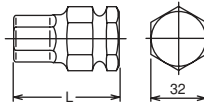
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
<b>17108</b>	60	86	30	85	2200	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P256-257

### 16107-SC

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

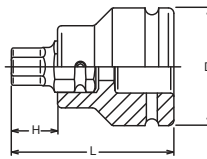
## 107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans mâle creux




107-32 (mm)	L (mm)	(g)	(pcs.)
<b>19</b>	60	300	10
<b>22</b>	60	320	10
<b>24</b>	60	330	10
<b>27</b>	60	360	10
<b>30</b>	60	390	10
<b>32</b>	60	410	10
<b>36</b>	60	460	10





## 17108-32 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embouts avec bit



17108-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	
<b>19</b>	86	30	115	2500	1	*1
<b>22</b>	86	30	115	2520	1	*1
<b>24</b>	86	30	115	2530	1	*1
<b>27</b>	86	30	115	2560	1	*1
<b>30</b>	86	30	115	2590	1	*1
<b>32</b>	86	30	115	2610	1	*1
<b>36</b>	86	30	115	2660	1	*1



\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P256-257

 The items with  have larger output size than 32mm input hex drive.  
Due to this design the Maximum output torque rating is less than DIN/ISO standards.



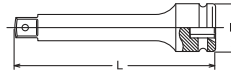
# 1-1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P256-257

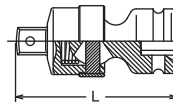
**17760** Extension Bars  
Verlängerungen  
Rallonges



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

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P256-257

**17770** Universal Joint  
Gelenk-Einsatz  
Joint articulé



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

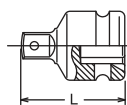
\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P256-257

**⚠** 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.

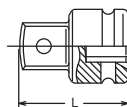
**17788A** **⚠** Adaptor  
Verbindungsstück  
Réducteur  
No Warranty  
Keine Garantie  
Sans Garantie



	(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 → P256-257

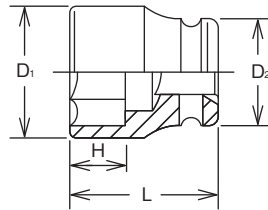
**17799A** Adaptor  
Verbindungsstück  
Augmentateur



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





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

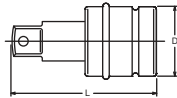
Z-SERIES  
HAND  
TITANIUM  
ACCESSORIES  
SCREWDRIVERS  
IMPACT  
SLEEVE-DRIVE  
PROTECTOR  
INDUSTRIAL  
AUTOMOTIVE  
MOTORCYCLE  
CONSTRUCTION  
SPARE PART

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 → P257  
\*2 Pin/O-Ring=A92/B92

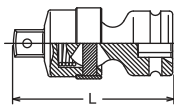
	D (mm)	L (mm)	(g)	(pce.)	⚡
19760-250	127	250	17800	1	*1
19760-500	127	500	27800	1	*1

\*1 Pin/O-Ring=A91/B91 → P257



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

\*1 Pin/O-Ring=A91/B91 → P257



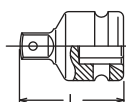
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
19977A	2.1/2"	1.1/2"	145	7210	1	*1

\*1 Pin/O-Ring=A91/B91 → P257

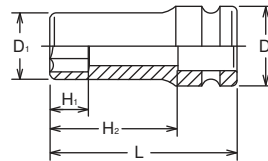
**⚠** Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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

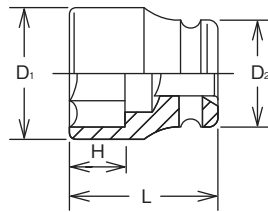
No Warranty **⚠**  
Keine Garantie  
Sans Garantie



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

## 10400M / 10400A

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



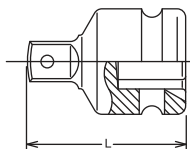
10400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	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 → P257  
\*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 → P257

⚠ 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.