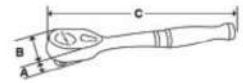




## Dual Technology, Chrome ()

Stop, Turn and Listen. A smoother, stronger ratchet. Try them to believe them. Dual Technology Ratchets Feature:

- -tooth gear
- Seven teeth in contact with gear to provide strength and durability
- Up to % less ratcheting arc to engage the next gear tooth
- Sealed head keeps dirt and other contaminants out of the head mechanism



Set Contains:

303RTO1FR  
303RT02FR

Stock No.	Description	Gear Teeth	Swing Arc,	A	B	C		
S80A	Standard Handle Ratchet	80	4.5	3/4	1-5/8	10-5/16	•	
GS80A	Standard Handle Industrial Ratchet	80	4.5	3/4	1-5/8	10-5/16		
SH80A††	Red Soft-Grip Ratchet	80	4.5	3/4	1-5/8	12		
SL80A	Long Handle	80	4.5	3/4	1-5/8	15	•	
GSL80A†	Standard Long Handle Industrial Ratchet	80	4.5	3/4	1-5/8	15		
SHL80A††	Red Soft-Grip Long-Handle Ratchet	80	4.5	3/4	1-5/8	16-3/4		
SLL80A	Extra-Long Handle	80	4.5	3/4	1-5/8	23-3/16	•	
SHLL80A	Red Soft-Grip Extra-Long-Handle Ratchet	80	4.5	3/4	1-5/8	24-7/8		
SKF80A*†	Stubby Handle Flex-Head Ratchet	80	4.5	3/4	1-5/8	7-1/2		•
SF80A	Standard Handle Flex-Head	80	4.5	3/4	1-5/8	17-11/18		•
SHF80A††	Soft-Grip Standard Flex-Head Ratchet	80	4.5	3/4	1-5/8	17-5/8		
SLF80A	Long Handle, Flex-Head	80	4.5	3/4	1-5/8	24-13/16		•
SHLF80A††	Soft-Grip Long Handle Flex-Head	80	4.5	3/4	1-5/8	25-5/8		
SBF80A	Bent Handle Flex-Head	80	4.5	3/4	1-5/8	16-1/2		
SX80B	Standard Handle Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	17-5/8		
SHX80B**††	Red Soft-Grip Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	18-1/2		
SLX80A	Long Handle, Locking Flex-Head	80	4.5	3/4	1-5/8	24-13/16		
SHLX80A**††	Red Soft-Grip Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	25-3/4		

\*Sets shown include foam organizer

\*Uses RKRSX936JT Flex Joint Repair Kit

\*\*Uses RKRSX80AJT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit

†ASME<sup>®</sup>/ANSI<sup>®</sup> B107.10 with exception of the length  
ASME<sup>®</sup>/ANSI<sup>®</sup> B107.10

Colors Available



†† O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W1-W4

# RATCHETS



## Quick-Release Ratchet (1/2")

Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C
SR80A	Standard Handle, Quick-Release	80	4.5	3/4	1-5/8	10-5/16
SHR80A	Soft-Grip Quick-Release	80	4.5	3/4	1-5/8	12
SRL80A*	Long Handle, Quick-Release	80	4.5	3/4	1-5/8	15
SHRLF80A††	Soft Grip Long Handle Quick-Release Flex Head	80	4.5	3/4	1-5/8	25-5/8
SHRX80B**	Standard Soft Grip Handle, Quick-Release Locking Flex-Head	80	4.5	3/4	1-5/8	18-1/2
SRX80B**	Standard Handle, Quick-Release Locking Flex-Head	80	4.5	3/4	1-5/8	17-5/8

ASME/ANSI® B107.10

\*Uses RKRSX936JT Flex Joint Repair Kit

\*\*Uses RKRSX80AJT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit  
SH936-12 Soft Grip Replacement Handle

### Colors Available



† O G  
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

## FOD Ratchets (Foreign Object Damage) (1/2")

- Dual pawls and an 80 tooth gear provide more power in less lateral space
- Seven teeth in contact with gear to provide strength and durability
- Up to 9% less ratcheting arc to engage the next gear tooth
- Sealed head helps keep dirt and other contaminants out of the head mechanism
- Meets FOD and FME program conformance
- Designed to have the lowest profile and work with the shortest swing arc, providing better access to restricted areas
- FOD ratchets are designed to help prevent foreign object damage in sensitive work environments
- Cover plate and reverse lever are permanently affixed to ratchet head with rivets to prevent possible sources of debris



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
S80AFOD	Foreign Object Damage Standard Handle	80	4.5	3/4	1-5/8	10-5/16
GS80AFOD	Foreign Object Damage Industrial Handle	80	4.5	3/4	1-5/8	10-5/16
GSL80AFOD	Foreign Object Damage Industrial Long Handle	80	4.5	3/4	1-5/8	15

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## Scaffold/ Spud Ratchets (1/2")

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
GSP936	Spud Ratchet	36	10	3/4	1-5/8	15-5/8
SA936A	Scaffold Ratchet	36	10	4-3/16	1-5/8	10-5/16

ASME/ANSI® B107.10

### GSP 1/2" Drive Spud Ratchet

- The "spud" ratchet is ideal for lining up holes in scaffolding and other construction jobs
- Along reverse lever provides easy reversing while wearing heavy work gloves
- Locking button retention
- Taper diameter is 1/2"-1/2"
- Taper length is 1/2"

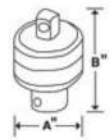
## Ratchet Adaptor, Chrome (1 1/2")

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
S77A	Ratchet Adaptor	20	18	1-5/8	3	3

ASME/ANSI® B107.10



S77A



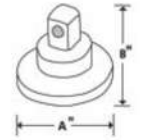
## Ratchet Spinner (1 1/2")

Stock No.	Description	A	B
LRS70A	1/2" Drive Ratchet Spinner	1-3/4	1-5/8

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LRS70A

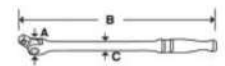


## BREAKER BARS



## Breaker Bars (1 1/2")

Stock No.	Description	A	B	C
SN15B	1/2" Drive 15" Standard Handle Breaker Bar	1-1/8	15	11/16
SN18B	1/2" Drive 18" Standard Handle Breaker Bar	1-1/8	18	11/16
GSN18B	1/2" Drive 18" Standard Handle Industrial Finish Breaker Bar	1-1/8	18	11/16
SN24C	1/2" Drive 24" Standard Handle Breaker Bar	1-1/8	24	11/16
SHBB24*	1/2" Drive 24" Soft Grip Handle Breaker Bar	1-1/8	24	11/16
SN25A	1/2" Drive 24" 45° Offset Square Breaker Bar	1-1/8	24	11/16
SN36	1/2" Drive 36" Standard Handle Breaker Bar	1-1/4	36	3/4
SHN36*	1/2" Drive 36" Soft Grip Handle Breaker Bar	1-1/4	36-5/8	3/4



Colors Available



\* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.  
 Red O Orange G Green

ASME/ANSI® B107.10

SH936-12 Soft Grip Replacement Handle

SHD80A12 Hard Grip Replacement Handle (add color code suffix)

## DRIVE HANDLES



## Speeders, Chrome

Stock No.	A	B	C	D
S4	1/2	7	4-3/8	18-7/8
SN4B	5/8	6-3/8	3	17-1/4
SL4	1/2	7-3/8	4-7/16	19-1/8
N8323	1/2	18-1/16	8-1/2	32-7/8

ASME/ANSI® B107.10

SL 1/2" Drive 1 1/2" Locking Speeder Drive Handle

• Sliding collar and locking pin for better socket retention

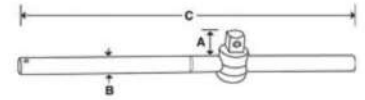
- Do not disassemble FOD ratchet in workplace.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Frequently inspect, clean, and lubricate all nonsealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W1-W4



## DRIVE HANDLES



### Siding T-Handle, Chrome



Stock No.	A	B	C
S12L	1-11/16	5/8	12

ASME<sup>®</sup>/ANSI<sup>®</sup> B107.10

## EXTENSIONS



### Knurled Extensions

Stock No.	Industrial Stock No.	A	B	
SX2*	—	5/8	2-1/8	•
SXK3	GSXK3	5/8	3-1/2	•
SXK5	GSXK5	5/8	5	•
SXK8	—	5/8	8	•
SXK10	—	5/8	10	
SXK11	GSXK11	5/8	11	•
SX15	—	5/8	15	
SX20	—	5/8	20	
SX24	—	5/8	24	
SX36	—	5/8	36	

Set includes storage tray.  
ASME<sup>®</sup>/ANSI<sup>®</sup> B107.10M

Not knurled

### Extensions/Wobble

- Provides  $\square$ " of additional accessibility
- Knurled shanks for easy fingertip turning

Stock No.	Industrial Stock No.	A	B	
SXW2*	GSXW2	5/8	2	•
SXWK3	—	5/8	3-1/2	•
SXWK5	—	5/8	5	•
SXWK8	—	5/8	8	•
SXWK11	GSXWK11	5/8	11	•

Set includes storage tray.  
ASME<sup>®</sup>/ANSI<sup>®</sup> B107.10M

Not knurled



### Foam Combination Sets (1/2")

309ASXFR 1 pc 1/2" Drive Knurled Extension Accessory Foam Set

- Includes (3) extensions (2, 5, 8, 11, and 15"), (1) 1/2" internal drive x 1/2" external drive adaptor, (1) 1/2" internal drive x 1/2" external drive adaptor and (1) 1/2" Drive Friction Ball Universal Joint in a foam organizer

Colors Available



R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Quick-Release Locking Extensions

Stock No.	A	B
SXKL3	21/32	3
SXKL5	21/32	5
SXKL10	21/32	10

ASME®/ANSI® B107.10M



Extensions/Wobble Plus, Chrome

- Provides 15° of additional accessibility
- Usable in wobble and rigid functionality
- Knurled shanks for easy fingertip turning

Set Contains: 305SXWP

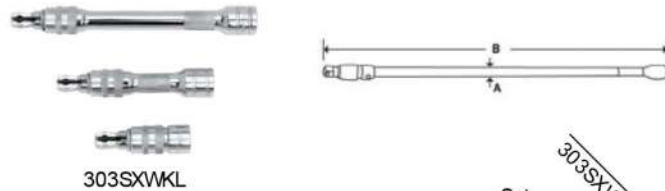
Stock No.	A	B	
SXWP2*	5/8	2	•
SXWP3	5/8	3	•
SXWP5	5/8	5	•
SXWP8	5/8	8	•
SXWP11	5/8	11	•

Set includes storage tray  
ASME®/ANSI® B107.10

\*Not knurled

Extensions/Locking Wobble, Chrome

- Provides 15° of additional accessibility
- Quick-release locking sleeve provides secure connection and easy socket removal
- Knurled release collar for easy one-hand operation, even with slippery hands

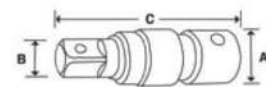


Set Contains: 303SXWKL

Stock No.	A	B	
SXWKL3	21/32	3	•
SXWKL5	21/32	5	•
SXWKL8	21/32	8	•

Set includes storage tray

Locking Adaptor, Industrial

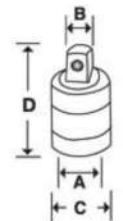


Stock No.	Description	A	B	C
GALX3	1/2" Drive 3" Locking Extension (Blue-Point®)	1/2	1/2	3-1/8

ASME®/ANSI® B107.10

SOCKET/ RATCHET ACCESSORIES

Square Drive Adaptors



Stock No.	A	B	C	D
GSAF1F	1/2	3/8	31/32	1-13/16
A2A	3/8	1/2	47/64	1-5/16
GAF2A	3/8	1/2	—	1-5/16
GLA12B	1/2	3/4	1-1/8	1-7/8
GLAS1F	3/4	1/2	1-7/16	2-7/16

ASME®/ANSI® B107.10



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Do not use adaptors with impact drivers.
- Do not exceed torque stamped on adaptor.
- Read Safety Precautions on pages W1-W4



Extension Adaptors, Industrial

Stock No.	Retention Type	A	B	C
GAX5	Ball Type	1/2	3/8	5
GAX12	Ball Type	1/2	3/8	12
GAX24	Ball Type	1/2	3/8	23-1/4
GAX36	Ball Type	1/2	3/8	36

ASME/ANSI® B107.10



Universal Joints

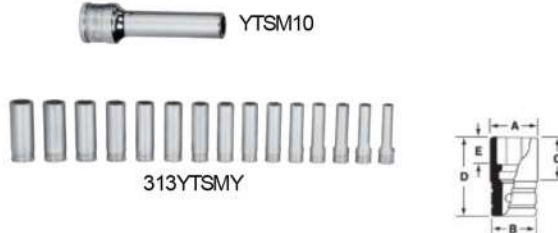
Stock No.	Industrial Stock No.	A	B
S8	GU8	15/16	2-11/16



103UFTS

□□□UFTS □pc Combination Drive Universal Joint Set  
 • Includes (□) □□" Drive Universal Joint, (□) □□" Drive Universal Joint and (□) □□" Drive Universal Joint in storage tray

FLANK DRIVE® XTRA SOCKETS



Deep, inches, chrome

Set Contains: 313YTSY

6-Point	A	B	C	D	E	
3/8	YTS121	19/32	29/32	2-9/16	3-1/4	9/32 •
7/16	YTS141	11/16	29/32	2-9/16	3-1/4	5/16 •
1/2	YTS161	25/32	29/32	2-9/16	3-1/4	3/8 •
9/16	YTS181	27/32	29/32	2-9/16	3-1/4	13/32 •
5/8	YTS201	29/32	29/32	2-9/16	3-1/4	15/32 •
11/16	YTS221	31/32	31/32	2-9/32	3-1/4	1/2 •
3/4	YTS241	1-1/16	1-1/16	2-9/32	3-1/4	19/32 •
13/16	YTS261	1-1/8	1-1/8	2-1/4	3-1/4	21/32 •
7/8	YTS281	1-3/16	1-3/16	2-1/4	3-1/4	23/32 •
15/16	YTS301	1-9/32	1-9/32	2-1/4	3-1/4	23/32 •
1	YTS321	1-11/32	1-11/32	2-7/32	3-1/4	3/4 •
1-1/16	YTS341	1-7/16	1-7/16	2-7/32	3-1/4	3/4 •
1-1/8	YTS361	1-1/2	1-1/2	2-7/32	3-1/4	25/32 •

Deep, mm, chrome

Set Contains: 313YTSMY

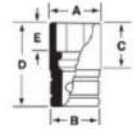
6-Point	A	B	C	D	E	
10	YTSM10	15.1	23.0	65.8	82.6	7.1 •
11	YTSM11	17.5	23.0	65.8	82.6	7.1 •
12	YTSM12	18.3	23.0	65.8	82.6	8.7 •
13	YTSM13	19.8	23.0	65.8	82.6	9.5 •
14	YTSM14	21.4	23.0	65.8	82.6	10.3 •
15	YTSM15	22.2	23.0	65.8	82.6	10.3 •
16	YTSM16	23.0	23.0	65.8	82.6	11.9 •
17	YTSM17	24.6	24.6	58.6	82.6	12.7 •
18	YTSM18	25.4	25.4	58.5	82.6	13.5 •
19	YTSM19	27.0	27.0	58.3	82.6	13.5 •
20	YTSM20	27.0	27.0	57.9	82.6	13.5 •
21	YTSM21	28.6	28.6	57.9	82.6	16.7 •
22	YTSM22	30.2	30.2	57.6	82.6	18.3 •
23	YTSM23	31.8	31.8	57.6	82.6	18.3 •
24	YTSM24	32.5	32.5	57.6	82.6	18.3 •



YTW121




313YTWY



313YTWY  
Set Contains:

Shallow, inches, chrome

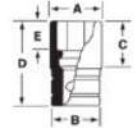
	6-Point	A	B	C	D	E	
3/8	YTW121	19/32	29/32	13/16	1-1/2	1/4	•
7/16	YTW141	11/16	29/32	13/16	1-1/2	9/32	•
1/2	YTW161	25/32	29/32	13/16	1-1/2	3/8	•
9/16	YTW181	27/32	29/32	13/16	1-1/2	13/32	•
5/8	YTW201	29/32	7/8	13/16	1-1/2	15/32	•
11/16	YTW221	31/32	15/16	13/16	1-1/2	15/32	•
3/4	YTW241	1-1/16	1-1/32	13/16	1-1/2	17/32	•
13/16	YTW261	1-1/8	1-3/32	13/16	1-1/2	17/32	•
7/8	YTW281	1-3/16	1-5/32	13/16	1-1/2	23/32	•
15/16	YTW301	1-9/32	1-1/4	13/16	1-17/32	23/32	•
1	YTW321	1-11/32	1-5/16	27/32	1-19/32	3/4	•
1-1/16	YTW341	1-7/16	1-13/32	31/32	1-23/32	3/4	•
1-1/8	YTW361	1-1/2	1-15/32	1-1/32	1-3/4	25/32	•



YTWM10




313YTWMY



313YTWMY  
Set Contains:

Shallow, mm, chrome

	6-Point	A	B	C	D	E	
10	YTWM10	15.1	23	21.3	38.1	6.4	
11	YTWM11	17.5	23	21.3	38.1	7.1	
12	YTWM12	18.3	23	21.3	38.1	8.7	•
13	YTWM13	19.8	23	21.3	38.1	9.5	•
14	YTWM14	21.4	23	21.3	38.1	10.3	•
15	YTWM15	22.2	23	21.3	38.1	9.5	•
16	YTWM16	23	22.2	21.3	38.1	11.9	•
17	YTWM17	24.6	23.8	13.5	38.1	12.7	•
18	YTWM18	25.4	24.6	21.4	38.1	13.5	•
19	YTWM19	27	26.2	21.2	38.1	13.5	•
20	YTWM20	27	26.2	21.1	38.1	13.5	•
21	YTWM21	28.6	27.8	21	38.1	13.5	•
22	YTWM22	30.2	29.4	20.8	38.1	13.5	•
23	YTWM23	31.8	31	20.7	38.1	14.3	•
24	YTWM24	32.5	31.8	21.3	38.9	15.1	•



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4



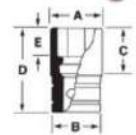
# FLANK DRIVE® SOCKETS



SW241



313SWYA



## Shallow, inches

Set Contains: 3/13TWYA 3/14GTWYA 3/13SWYA

II	6	12	6	12	A	B	C	D	E	6	6	12
3/8	TW121A	SW121A	GTW121A	GSW121A	19/32	29/32	13/16	1-1/2	1/4	•	•	•
7/16	TW141A	SW141A	GTW141A	GSW141A	11/16	29/32	13/16	1-1/2	9/32	•	•	•
1/2	TW161A	SW161A	GTW161A	GSW161A	25/32	29/32	13/16	1-1/2	3/8	•	•	•
9/16	TW181A	SW181A	GTW181A	GSW181A	27/32	29/32	13/16	1-1/2	13/32	•	•	•
5/8	TW201	SW201	GTW201	GSW201	29/32	7/8	13/16	1-1/2	15/32	•	•	•
11/16	TW221	SW221	GTW221	GSW221	31/32	15/16	13/16	1-1/2	15/32	•	•	•
3/4	TW241	SW241	GTW241	GSW241	1-1/16	1-1/32	13/16	1-1/2	17/32	•	•	•
13/16	TW261	SW261	GTW261	GSW261	1-1/8	1-3/32	13/16	1-1/2	17/32	•	•	•
7/8	TW281	SW281	GTW281	GSW281	1-3/16	1-5/32	13/16	1-1/2	23/32	•	•	•
15/16	TW301	SW301	GTW301	GSW301	1-9/32	1-1/4	13/16	1-1/2	23/32	•	•	•
1	TW321	SW321	GTW321	GSW321	1-11/32	1-5/16	27/32	1-9/16	3/4	•	•	•
1-1/16	TW341	SW341	GTW341	GSW341	1-7/16	1-13/32	31/32	1-11/16	3/4	•	•	•
1-1/8	TW361	SW361	GTW361	GSW361	1-1/2	1-15/32	1-1/32	1-3/4	25/32	•	•	•
1-3/16	TW381	SW381	—	GSW381	1-5/8	1-19/32	1	1-3/4	3/4			
1-1/4	TW401	SW401	GTW401	GSW401	1-11/16	1-21/32	1-1/8	1-7/8	3/4		•	
1-5/16	TW421	SW421	—	—	1-3/4	1-23/32	1-1/8	1-7/8	1			
1-3/8	TW441	SW441	—	—	1-13/16	1-25/32	1-9/32	2-1/32	1			
1-7/16	TW461	SW461	—	—	—	—	1-5/8	2-1/4	—			
1-1/2	TW481	SW481	—	—	—	—	1-5/8	2-1/4	—			

Sets include storage tray.

ASME®/ANSI® B107.1



SWM101A



310TWMYA

## Shallow, mm, Chrome

Set Contains: 306TWM 310TWMYA 313TWMYA 323TWM 310SWMYA 313SWMYA 323SWM

mm	6	12	A	B	C	D	E	6	6	6	6	12	12	12
10	TWM10A	SWM101A	15.0	23.2	22.2	38.1	7.9		•			•	•	•
11	TWM11A	SWM111A	16.6	23.2	22.2	38.1	8.7		•			•	•	•
12	TWM12A	SWM121A	18.2	23.2	22.2	38.1	9.5		•	•		•	•	•
13	TWM13A	SWM131A	19.0	23.2	22.2	38.1	10.3		•	•		•	•	•
14	TWM14A	SWM141A	20.6	23.2	22.2	38.1	10.3		•	•		•	•	•
15	TWM15A	SWM151A	22.2	22.2	22.2	38.1	10.3		•	•		•	•	•
16	TWM16	SWM161	23.8	22.2	22.2	38.1	11.9		•	•		•	•	•
17	TWM17	SWM171	24.6	23.2	22.2	38.1	12.7		•	•		•	•	•
18	TWM18	SWM181	25.4	23.8	21.4	38.1	14.2		•	•		•	•	•
19	TWM19	SWM191	26.3	24.8	21.3	38.1	13.9		•	•		•	•	•
20	TWM20	SWM201	26.7	26.1	21.2	38.1	14.0	•		•		•	•	•
21	TWM21	SWM211	28.3	27.5	21.1	38.1	14.0	•		•		•	•	•
22	TWM22	SWM221	29.9	28.6	20.9	38.1	14.2	•		•		•	•	•
23	TWM23	SWM231	31.2	29.9	20.8	38.1	14.5	•		•		•	•	•
24	TWM24	SWM241	32.5	30.9	22.2	38.8	15.8	•		•		•	•	•
25	TWM25	SWM251	33.3	31.7	22.2	38.8	15.8	•		•		•	•	•
26	TWM26	SWM261	34.9	33.3	23.8	41.2	15.8							•
27	TWM27	SWM271	36.5	34.9	25.4	42.8	17.4							•
28	TWM28	SWM281	38.1	36.5	26.9	44.4	17.4							•
29	TWM29	SWM291	39.3	38.0	26.1	44.5	17.8							•
30	TWM30	SWM301	41.0	39.6	26.1	44.5	18.5							•
31	TWM31	SWM311	42.5	41.2	29.1	47.6	19.1							•
32	TWM32	SWM321	42.5	41.2	28.9	47.6	19.8							•

Set includes storage tray.

ASME®/ANSI® B107.5





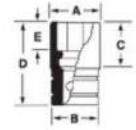
GTS201



S241



313SYA



Deep, inches

Set Contains:

313GTSYA

313TSA

313SYA

11	6	12	6	12	A	B	C	D	E	6	6	12
3/8	TS121A	S121A	GTS121A	—	19/32	29/32	2-9/16	3-1/4	9/32	•	•	•
7/16	TS141A	S141A	GTS141A	—	11/16	29/32	2-9/16	3-1/4	5/16	•	•	•
1/2	TS161A	S161A	GTS161A	GS161A	25/32	29/32	2-9/16	3-1/4	3/8	•	•	•
9/16	TS181A	S181A	GTS181A	GS181A	27/32	29/32	2-9/16	3-1/4	13/32	•	•	•
5/8	TS201	S201	GTS201	GS201	29/32	7/8	2-9/16	3-1/4	15/32	•	•	•
11/16	TS221	S221	GTS221	GS221	31/32	15/16	2-9/32	3-1/4	1/2	•	•	•
3/4	TS241	S241	GTS241	GS241	1-1/16	1-1/32	2-9/32	3-1/4	19/32	•	•	•
25/32	—	S251	—	—	1-1/16	1-1/32	2-9/16	3-1/4	5/8			
13/16	TS261	S261	GTS261	GS261	1-1/8	1-3/32	2-1/4	3-1/4	21/32	•	•	•
7/8	TS281	S281	GTS281	GS281	1-3/16	1-5/32	2-1/4	3-1/4	23/32	•	•	•
15/16	TS301	S301	GTS301	GS301	1-9/32	1-1/4	2-1/4	3-1/4	23/32	•	•	•
1	TS321	S321	GTS321	GS321	1-11/32	1-5/16	2-7/32	3-1/4	3/4	•	•	•
1-1/16	TS341	S341	GTS341	GS341	1-7/16	1-13/32	2-7/32	3-1/4	3/4	•	•	•
1-1/8	TS361	S361	GTS361	GS361	1-1/2	1-15/32	2-7/32	3-1/4	25/32	•	•	•
1-3/16	TS381	S381	GTS381	GS381	1-9/16	1-17/32	2-7/32	3-1/4	25/32			
1-1/4	TS401	S401	GTS401	GS401	1-11/16	1-21/32	2-7/32	3-1/4	1			
1-5/16	TS421	S421	—	—	1-3/4	—	2-7/32	3-1/4	1			
1-3/8	TS441	S441	—	—	1-13/16	1-25/32	2-7/32	3-1/4	1			
1-7/16	TS461	S461	—	—	1-15/16	1-7/8	2-5/8	3-1/4	1			
1-1/2	TS481	S481	—	—	2	1-15/16	2-5/8	3-1/4	1-1/16			

Sets include storage tray

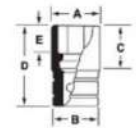
ASME®/ANSI® B107.1



TWM14A



TSM24



Cummins® B and C Series

mm	6-Point	Dimension A	B	C	D	E
14	TWM14A	20.6	23.2	22.2	38.1	10.3
24	TSM24	32.5	31.8	57.6	82.6	18.3



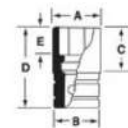
• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.  
 • Read Safety Precautions on pages W1-W4



TSM20



313SMYA



Deep, mm, Chrome

Set Contains: 313TSMYA 310TSM 313SMYA

mm	6	12	A	B	C	D	E	6	6	12
10	TSM10A	SM10A	15.1	23.0	65.8	82.6	7.1		•	
11	TSM11	SM11A	17.5	23.0	65.8	82.6	7.1			
12	TSM12A	SM12B	18.3	23.0	65.8	82.6	8.7	•	•	•
13	TSM13A	SM13A	19.8	23.0	65.8	82.6	9.5	•	•	•
14	TSM14A	SM14A	21.4	23.0	65.8	82.6	10.3	•	•	•
15	TSM15A	SM15A	22.2	23.0	65.8	82.6	10.3	•	•	•
16	TSM16	SM16	23.0	22.2	65.8	82.6	11.9	•	•	•
17	TSM17	SM17	24.6	23.8	58.6	82.6	12.7	•	•	•
18	TSM18	SM18	25.4	24.6	58.5	82.6	13.5	•	•	•
19	TSM19	SM19	27.0	26.2	58.3	82.6	13.5	•	•	•
20	TSM20	SM20	27.0	26.2	57.9	82.6	13.5	•	•	•
21	TSM21	SM21	28.6	27.8	57.9	82.6	16.7	•		•
22	TSM22	SM22	30.2	29.4	57.6	82.6	18.3	•		•
23	TSM23	SM23	31.8	31.0	57.6	82.6	18.3	•		•
24	TSM24	SM24	32.5	31.8	57.6	82.6	18.3	•		•
25	TSM25	SM25	33.3	32.5	57.0	82.6	15.1			
26	TSM26	SM26	34.9	34.1	57.0	82.6	19.1			
27	TSM27	SM27	36.5	35.7	57.0	82.6	19.1			
28	TSM28	SM28	38.1	37.3	57.0	82.6	19.1			
29	TSM29	SM29	39.7	38.9	57.0	82.6	19.8			
30	TSM30	SM30	41.3	40.5	57.0	82.6	19.8			
31	TSM31	SM31	42.9	42.1	57.0	82.6	19.8			
32	TSM32	SM32	42.9	42.1	57.0	82.6	25.4			

Sets include storage tray

ASME®/ANSI® B107.5



320TSWMB

Shallow/Deep Sets, mm, Chrome

□□TSWMB □□pc □' □' Drive □-Point Metric Flank Drive® Shallow/Deep Socket Set  
 • Includes (□□) Shallow and Deep Sockets (□□-□□mm)



338TSWYAFR



346TSMWFR

Foam Combination Sets (1/2")

- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15-20% more turning power
- 12-point configuration and Flank Drive® wrenching system
- Nickel-chrome alloy finish resists rust and corrosion
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability

Foam Organizer:

- Closed cell cross-linked foam for superior performance and durability resists oils, solvents and fuels—easy to clean
- Foam organizer's modular design provides in-drawer reconfiguration for new tools and designed for maximum tool concentration on the smallest possible footprint

- Each tool is precision-fit, providing ultimate tool protection
- Contrasting colors provide visual control and closed cell cross-linked foam resist oils, solvents and fuels
- 338TSWYAFR 33 pc 1/2" Drive 12-Point SAE Flank Drive® Shallow/ Deep Combination Socket Foam Set
- Includes (12) shallow sockets and (12) deep sockets (1/2"-1 1/2") in a foam organizer
- 346TSMWFR 34 pc 1/2" Drive 12-Point Metric Flank Drive® Shallow/ Deep Combination Socket Foam Set
- Includes (12) shallow sockets and (12) deep sockets (12-125mm) in a foam organizer

Colors Available

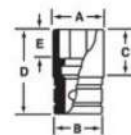


ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

FLANK DRIVE® SOCKETS



SDH201



Aerospace, inches

	12	A	B	C	D	E
3/8	SDH121	19/32	7/8	13/16	1-1/2	9/32
7/16	SDH141	11/16	29/32	13/16	1-1/2	11/32
1/2	SDH161	3/4	29/32	13/16	1-1/2	3/8
9/16	SDH181	27/32	29/32	13/16	1-1/2	13/32
5/8	SDH201	29/32	7/8	13/16	1-1/2	15/32
11/16	SDH221	31/32	15/16	1-1/16	1-3/4	1/2
3/4	SDH241	1-1/16	1-1/32	1-1/16	1-3/4	19/32
25/32	SDH251	1-1/32	1-1/64	1-3/32	1-3/4	5/8
13/16	SDH261	1-1/8	1-3/32	1-1/16	1-3/4	21/32
7/8	SDH281	1-3/16	1-5/32	1-1/8	1-3/4	23/32
15/16	SDH301	1-9/32	1-1/8	1-5/32	1-13/16	23/32
1	SDH321	1-11/32	1-5/16	1-7/32	1-7/8	3/4
1-1/16	SDH341	1-7/16	1-13/32	1-7/32	1-15/16	3/4
1-1/8	SDH361	1-1/2	1-15/32	1-1/4	1-31/32	25/32
1-3/16	SDH381	1-9/16	1-17/32	1-5/16	2	25/32
1-1/4	SDH401	1-9/16	1-17/32	1-9/32	2-1/32	13/16
1-5/16	SDH421	1-21/32	1-5/8	1-5/16	2-1/32	27/32

Meets AS954 Aerospace standard



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4

# FLANK DRIVE® SOCKETS



SU24



## Shallow Universal, Inches, Chrome

Set Contains:

#	Stock No.	A	B	C	D	E	
9/16	SU18	27/32	15/16	1-19/64	2-7/16	11/32	•
5/8	SU20	15/16	15/16	1-21/64	2-15/32	3/8	•
11/16	SU22	1-1/16	1-1/16	1-15/32	2-9/16	7/16	•
3/4	SU24	1-1/8	1-1/8	1-43/64	2-7/8	1/2	•
13/16	SU26	1-3/16	1-1/8	1-3/4	2-15/16	9/16	•
7/8	SU28	1-1/4	1-1/8	1-3/4	2-15/16	9/16	•
15/16	SU30	1-5/16	1-1/8	1-13/16	3	9/16	•

ASME®/ANSI® B107.10M

Set includes storage tray.

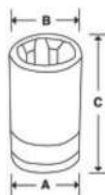
# TORX® SOCKETS



SLEPL200



GSLEPL200



213AFLEY

## ★ TORX Plus® with Countersink

- SLEPL Series of TORX Plus® Sockets with shallow countersink are designed for use on external TORX Plus® low-profile head fasteners to fully engage the fastener head
- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability

#	Stock No.	Industrial Stock No.	A	B	C
18EP	SLEPL180		29/32	15/16	1-1/2
20EPL	SLEPL200	GSLEPL200	15/16	11/16	1-1/2
22EPL	SLEPL220		15/16	11/16	1-1/2
24EPL	SLEPL240		15/16	11/16	1-1/2

SLEPL□□□ □ □" Drive □□EPL TORX Plus® with Countersink Socket

- For removal and installation of low-profile drive plate and flywheel bolts on QR□□Nissan® motors with automatic transmissions
- Similar to the J-□□□□□ Nissan® specialty tool
- For flywheel bolts on Nissan® QR□□motors with manual transmissions use the FTX□□TPE □ □" Drive T□□ TORX Plus® Male Socket

## ★ Shallow TORX®, Chrome

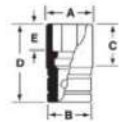
#	Stock No.	A	B	C	D	E
E14	SLE140	11/16	29/32	1/16	1-1/2	3/8
E16	SLE160A	23/32	29/32	1/16	1-1/2	7/16
E18	SLE180A	27/32	29/32	1/16	1-1/2	15/32
E20	SLE200A	15/16	29/32	1/16	1-1/2	17/32
E24	SLE240	1-1/16	1-1/32	1/16	1-1/2	17/32

□□AFLEY □□pc Combination Drive TORX® Shallow Socket Set

- Includes (□) □ □" drive (E□-E□□), (□) □ □" drive (E□□-E□□) and (□) □ □" drive (E□□-E□□) TORX® shallow sockets in a magnetic storage tray
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket

Snap-on® spline wrenching tools have been developed to service high-tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-□□□□ and MIL-W-□□□□. The unique spline wrenching configuration can also be used on ordinary □- and □-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system



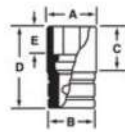
## Shallow, Inches, Chrome (□□)

		Stock No.	A	B	C	D	E	
	#16	1/2	SES161B	3/4	7/8	5/8	1-9/32	7/16
	#18	9/16	SES181B	27/32	7/8	5/8	1-9/32	7/16
	#20	5/8	SES201B	29/32	29/32	29/32	1-9/16	17/32
	#22	11/16	SES221B	1	1	29/32	1-9/16	9/16
	#24	3/4	SES241B	1-1/16	31/32	13/16	1-9/16	9/16
	#26	13/16	SES261B	1-1/8	1-1/16	29/32	1-9/16	9/16
	#28	7/8	SES281B	1-3/16	1-1/8	13/16	1-9/16	9/16
	#30	15/16	SES301B	1-9/32	1-7/32	13/16	1-9/16	9/16

## SPECIAL APPLICATION SOCKETS



SW412

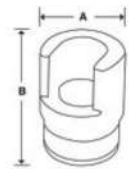


## Double Square, Inches, Chrome

	Stock No.	A	B	C	D	E	
	3/8	SW412	23/32	7/8	7/8	1-1/2	5/16
	7/16	SW414	51/64	7/8	7/8	1-1/2	3/8
	1/2	SW416	29/32	7/8	7/8	1-1/2	13/32
	9/16	SW418	31/32	29/32	7/8	1-1/2	7/16
	5/8	SW420	1-1/16	1	7/8	1-1/2	1/2
	11/16	SW422	1-3/16	1-1/8	7/8	1-1/2	1/2
	3/4	SW424	1-9/32	1-3/16	7/8	1-1/2	9/16
	13/16	SW426	1-7/16	1-3/8	1	1-5/8	5/8
	7/8	SW428	1-1/2	1-7/16	1-1/8	1-3/4	5/8
	15/16	SW430	1-5/8	1-9/16	1-1/8	1-13/16	11/16
	1	SW432	1-11/16	1-5/8	1-1/4	1-7/8	11/16



WH280



## Weatherhead® Fittings, Inches, Chrome

	Stock No.	A	B	
	7/8	WH280	1-3/8	1-13/16
	29/32	WH290	1-7/16	1-13/16
	15/16	WH300	1-1/2	1-13/16



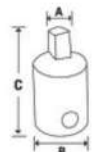
A26A



## Drag Link, Industrial

Stock No.	A	B	C
A15A	1-3/16	.150	1-11/16
A17A	15/16	.150	1-11/16
A26A	3/4	.109	1-11/16

PPM516A



## Pipe Plug, Inches, Chrome

Stock No.	A	B	C
PPM516A	1/2	15/16	1-7/16

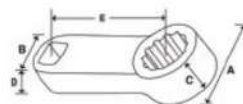
## TORQUE ADAPTORS

### Standard, inches

- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability
- Double hex (□□-point) configuration allows socket to engage single hex fastener every □° rather than every □°, allowing for better access in restricted areas



SRDH321



STA35

### Torque Adaptor

STA□□□ □" Drive Female/ Male Torque Adaptor

- □□" length measured center to center
- Used with a socket and torque wrench to reach and properly torque fasteners in hard-to-access areas

Working Torque, in-lb			A	B	C	D	E
4,400	1	SRDH321	1.458	1.040	19/32	19/32	3
4,800	1-1/16	SRDH341	1.563	1.032	19/32	19/32	2
5,280	1-1/8	SRDH361	1.641	1.040	19/32	19/32	3
5,600	1-1/4	SRDH401	1.823	1.040	19/32	19/32	3
5,600	1-3/8	SRDH441	2.00	1.040	19/32	19/32	3



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4



## SPLINE TORQUE ADAPTORS

### Spline, Inches, Chrome (1/2")

- Snap-on® spline wrenching tools have been developed to service high-tensile strength spline nuts and bolts widely used on both military and commercial aircrafts
- Precise radial spline teeth engage the fastener teeth over a wider area to minimize stress and allow application of high-torque to reduce risk of damage to the fastener or the tool
- Chrome tools comply with Military Spec MS-□□□□ and MIL-W-□□□□

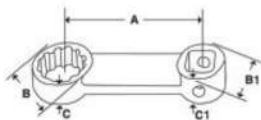
- The unique spline wrenching configuration can also be used on ordinary six and □-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system

Set Contains:

SRES306



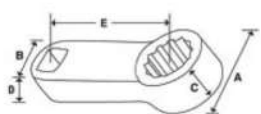
SRES306



Working Torque, in-lb	#	Hex Size	Stock No.	A	B-B1	C-C1	
2,275	#18 (9/16")	9/16	SRES18	3	.818-1.04	13/32-1/2	•
2,450	#20 (5/8")	5/8	SRES20	3	.900-1.04	1/2-1/2	•
2,975	#22 (11/16")	11/16	SRES22	3	.989-1.04	1/2-1/2	•
3,500	#24 (3/4")	3/4	SRES24	3	1.08-1.04	1/2-1/2	•
4,410	#26 (13/16")	13/16	SRES26	3	1.16-1.04	1/2-1/2	•
4,900	#28 (7/8")	7/8	SRES28	3	1.26-1.04	1/2-1/2	•
6,000	#30 (15/16")	15/16	SRES30A	3	1.26-1.04	37/64-37/64	



SRDHM30



### Double Hex, mm, Chrome (1/2")

Stock No.	A	B	C	D	E
SRDHM30	9.5	11.9	6.6	6.6	25.4

## TORX® BIT SOCKETS



STX70E



STXL55E



K1820A



### ★ TORX®/Standard, Chrome (1/2")

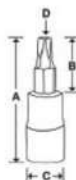
#	Stock No.	A	B	C	D
T55	STX55E	2-25/64	57/64	29/32	FTX55E2
T60	STX60E	3-9/32	1-23/64	1-11/64	STX60E2
T70	STX70E	3-17/32	1-49/64	1-11/64	STX70E2

### ★ TORX®/Long, Chrome (1/2")

#	Stock No.	A	B	C	D
T45	STXL45E	4-37/64	3-5/64	29/32	STXL45E2
T50	STXL50E	4-37/64	3-5/64	29/32	STXL50E2
T55	STXL55E	4-37/64	3-5/64	15/16	STXL55E2
T60	STXL60E	4-39/64	2-27/32	1-7/32	STXL60E2
T70	K1820A	5-17/64	3-1/2	1-7/32	K1820A2
T80	STXL80E	4-51/64	3	1-13/32	STXL80E2



STX60TPE



### ★ TORX Plus®, Chrome (1/2")

#	Stock No.	A	B	C	D
T45	STX45TPE	2-9/16	1-1/16	29/32	FTX45TPE2
T50	STX50TPE	2-43/64	1-11/64	15/16	STX50TPE2
T55	STX55TPE	2-49/64	1-7/32	1-1/32	FTX55TPE2
T60	STX60TPE	3-9/32	1-1/2	1-7/32	STX60TPE2

Hex/Standard, mm, Chrome (1/2")

Set Contains: 307ESAMY

mm		A	B	C	D	
6	SAM6E	64.1	26	22.9	FAM6E2	•
8	SAM8E	61.8	23.7	22.9	FAM8E2	•
10	SAM10E	63.6	25.5	22.9	SAM10E2	•
12	SAM12E	79.6	41.5	23.1	SAM12E2	•
14	SAM14E	81.9	42.4	26.1	SAM14E2	•
16	SAM16E	94.5	49.5	30.7	SAM16E2	•
17	SAM17E	94.5	49.5	29.9	SAM17E2	•
19	SAM19E	102.6	56.6	34.9	SAM17E2	•

Set shown includes magnetic storage tray.



Ball Hex/Long, mm, Chrome (1/2")

mm		A	B
12	SABLM12E	137.1	SABLM12E2

- Use to remove and reassemble the hydraulic split flange connector bolts on Case®, Hitachi®, Komatsu®, Caterpillar®, John Deere® and Volvo® excavators and bulldozers



Double Hex/Standard, mm, Chrome (1/2")

Double Hex Socket Drivers and Triple Square Socket Drivers cannot be interchanged between applications. Triple Square Socket Drivers have 90° corners. Double Hex Socket Drivers have 120° corners. Using a Triple Square tool in a Double Hex application will strip the bolt head. In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles

mm		A	B	C	D
10	SADM10E	100	61.9	24.4	SADM10E2

SADM10E 1/2" Drive Metric 10mm Lexus®/Toyota® Double Hex Socket Driver

- Applications include removal/installation of head bolts on Toyota® Highlander®, Camry®, Matrix®, Corolla® and Lexus® IS300®, GS300®, SC300 vehicles



Hex/Long, mm, Chrome (1/2")

mm		A	B	C	D
10	SAM10LE	152.4	114.3	22.9	SAM10LE2
12	SAM12LE	98.0	59.9	23.1	SAM12LE2
13	SAM13LE	101.6	63.5	23.5	SAM13LE2

SAM10LE 1/2" Drive Metric 10mm Long Hex Bit Socket Driver

- Snap-on® bits are designed with a precise fit and tight tolerances to prevent slippage and disengagement
- Outperforms one-piece design models; our two-piece design makes replacement economical and convenient
- Manufactured from special alloy steel and heat-treated for optimum strength and durability
- 1/2" drive provides the high-torque needed on the engine bolt
- 10" length allows technician to clear the valve and valve cover sealing surface



HEX BIT SOCKETS

Hex/Standard, inches (1/2")

Set Contains: 307ESAY

			A	B	C	D	
5/16	SA10E	GSA10E	2-29/64	61/64	29/32	FA10E2	•
3/8	SA12E	GSA12E	2-21/32	1-9/64	29/32	SA12E2	•
7/16	SA14E	GSA14E	2-13/16	1-5/16	29/32	SA14E2	•
1/2	SA16E	GSA16E	3-1/8	1-5/8	29/32	SA16E2	•
9/16	SA18E	GSA18E	3-15/64	1-21/32	1-1/32	SA18E2	•
5/8	SA20E	GSA20E	3-13/32	1-41/64	1-11/64	LAW120E2	•
3/4	SA24E	GSA24E	4-3/64	2-15/64	1-3/8	LAW124E2	•

Set shown includes magnetic storage tray.



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4

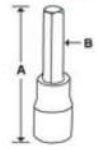


# IMPACT DRIVERS AND SETS



## Impact Rated Hex Drivers (1/2")

- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Snap-on® bits are designed with a precise fit and tight tolerances to prevent slippage and disengagement
- Outperform one-piece design models; two-piece design makes replacement economical and convenient
- Bits can be easily replaced by hand—no need to put them in a vice and punch them out with a hammer
- 1/2" drive sizes: 10mm and 12mm, 14mm and 16mm
- 1/2" drive sizes: 10mm, 12mm, 14mm and 16mm
- Optional retaining ring ensures positive attachment to anvil for added protection—RR10000 for 1/2" models and RR12000 for 1/2" models
- Designed for use with pneumatic or cordless impact guns



Size, inches	Stock No.	A	B	Optional Ret Ring
5/8	IMSA20	3-1/2	IMSA20-2	RR50 130
11/16	IMSA22	3-1/2	IMSA22-2	RR50 130
3/4	IMSA24	3-1/2	IMSA24-2	RR50 130
7/8	IMSA28	3-1/2	IMSA28-2	RR50 130

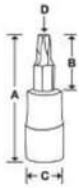
## TRIPLE SQUARE BIT SOCKETS



STSM10LE



TSS7KIT



## Triple Square/Standard, mm, Chrome (1/2")

Set Contains:

mm	Hexagon	Stock No.	A	B	C	D	
Standard Length	16	STSM16E	107.7	63.6	29.9	STSM16E2	•
	18	STSM18E	98.3	52.2	34.9	STSM18E2	•
	10	STSM10E	89.4	51.3	23.1	STSM10E2	•
	12	STSM12E	107.7	64.8	23.5	STSM12E2	•
	14	STSM14E	109.5	63.4	26.9	STSM14E2	•
Long	10	STSM10LE	156.5	118.4	23.5	STSM10LE2	•
	12	STSM12LE	145.8	107.7	23.5	STSM12LE2	•

Set includes storage tray Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles. Using a Triple Square tool in a Double Hex application will strip the bolt head

### STSM16E 1/2" Drive Metric 16mm Standard Triple Square Bit Socket Driver

- Double hex bit sockets and triple square bit sockets cannot be interchanged between applications
- Triple square bit sockets have 90° corners and double hex bit sockets have 120° corners
- Using a triple square bit socket in a double hex bit application will strip the bolt head
- In general, triple square bit sockets are used on European vehicles
- Pinless bits (no roll pin) provide a solid fit, are easily replaced, and have no hole to collect dirt and grit
- Bits feature natural oil coat finish to protect against corrosion

### STSM10LE 1/2" Drive Metric 10mm Standard Triple Square Bit Socket Driver

- Applications include removal/installation of cylinder head bolts on Mercedes-Benz®, rear toe adjustment on 1000 and newer Audi® A8® and axle shaft bolts on new VW® vehicles

### STSM18E 1/2" Drive Metric 18mm Standard Triple Square Bit Socket Driver

- Applications include 1000 and later VW® Touareg® front axle bolts, 1000 and later Porsche® Cayenne® front axle bolts, various Audi®/VW® axle bolts and Audi® TT® differential mount bolts and transmission drain plugs

### STSM12E 1/2" Drive Metric 12mm Standard Triple Square Bit Socket Driver

- Applications include Audi® TT® clutch and belly pan, various VW®/Audi® transmission drain plugs (tamper-resistant), 1000 and later VW® Touareg® front and rear brake caliper bolts, 1000 and later Porsche® Cayenne® brake caliper bolts, Detroit Diesel® flywheel bolts and front crank pulley on 1000 and 1000 engines and head bolts on 1000 engines

### STSM14E 1/2" Drive Metric 14mm Standard Triple Square Bit Socket Driver

- Applications include removal/installation of rear axle bolts of 1000 VW® Jetta® and Golf® vehicles





305STSMSE



## Triple Square/Stubby, mm, Chrome (1/2")

- Pinless bits (no roll pin) provide a solid fit, are easily replaced, and have no hole to collect dirt and grit
- Bit sockets are chrome plated
- Bits feature natural oil coat finish to protect against corrosion
- Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications
- Using a Triple Square tool in a Double Hex application will strip the bolt head
- In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles

Set Contains:

305STSMSE

mm	Stock No.	A	B	C	D	
10	STSM10SE	59.4	21.3	23.7	STSM10E2	•
12	STSM12SE	59.4	21.3	23.7	STSM12E2	•
14	STSM14SE	63.2	23.7	26.1	STSM14E2	•
16	STSM16SE	68.1	23.1	30.9	STSM16E2	•
18	STSM18SE	69.8	23.8	35.6	STSM18E2	•

Set shown includes magnetic storage tray.

### STSM10SE 1/2" Drive Metric 10 mm Triple Square Bit Socket Driver

- Applications include removal/ installation of cylinder head bolts, drive shaft bolts and various other applications on VW®, Audi® and Mercedes-Benz® vehicles

### STSM12SE 1/2" Drive Metric 12 mm Triple Square Bit Socket Driver

- Applications include removal/ installation of head bolts and axle shaft bolts on VW®, Audi® and Mercedes® vehicles

### STSM14SE 1/2" Drive Metric 14 mm Triple Square Bit Socket Driver

- Applications include removal/ installation of brake caliper bolts on VW® Jetta®, Rabbit®, Passat®, EOS® and Tiguan®; there is limited room due to the control arm in the way when backing out the fastener

### STSM16SE 1/2" Drive Metric 16 mm Triple Square Bit Socket Driver

- Pinless bits (no roll pin) provide a solid fit, are easily replaced and have no hole to collect dirt and grit

### STSM18SE 1/2" Drive Metric 18 mm Triple Square Bit Socket Driver

- Rear axle bolts on Volkswagen® Jetta® and Golf®

## SPECIAL APPLICATION BIT SOCKETS



SPDL10E



## PolyDrive Head Bolts, mm (1/2")

mm	Stock No.	Description	A	B	C	D
10	SPDL10E	1/2" Drive Metric 10 mm VW®/Audi® Polydrive Head Bolt Bit Socket Driver	158.7	120.6	23.0	SPDL10E2

### SPDL10E 1/2" Drive Metric 10 mm VW®/Audi® Polydrive Head Bolt Bit Socket Driver

- Applications include removal/ installation of #10 PolyDrive cylinder head bolts on VW® and later VW®/Audi® vehicles with 2-valve motors



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4

# FLAT TIP AND PHILLIPS® TIP BIT SOCKETS



SW32E

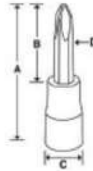


## — Flat Tip/Standard, Chrome (1/2")

	Stock No.	A	B	C	D
7/16 x .050	SW28E	3-7/32	1-23/32	29/32	SW28E2A
1/2 x .075	SW32E	3-7/32	1-23/32	29/32	SW32E2A
5/8 x .093	SW40E	3-51/64	2-1/4	29/32	SW40E2A



SP32E



## + PHILLIPS®/Standard, Chrome (1/2")

	Stock No.	A	B	C	D
#3	SP32E	2-21/64	53/64	29/32	SP32E2
#4	SP42E	2-15/32	31/32	29/32	SP42E2

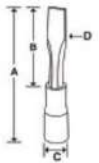
## IMPACT DRIVERS AND SETS



PIT160



PIT3120EB



### Impact Driver Set (1/2")

Set Contains: PIT3120EB

Stock No.	Description	Size	A	B	C	D	
PIT160	1/2" Drive Impact Driver	—	—	—	—	—	•
A26A	1/2" Drive 3/4" Blade Width Drag Link Socket	—	3/4	.109	1-11/16	—	•
SA10E	1/2" Drive SAE 5/16" Standard Hex Bit Socket Driver	5/16	2-29/64	61/64	29/32	FA10E2	•
SA12E	1/2" Drive SAE 3/8" Standard Hex Bit Socket Driver	3/8	2-21/32	1-9/64	29/32	SA12E2	•
SA14E	1/2" Drive SAE 7/16" Standard Hex Bit Socket Driver	7/16	2-13/16	1-5/16	29/32	SA14E2	•
SA16E	1/2" Drive SAE 1/2" Standard Hex Bit Socket Driver	1/2	3-1/8	1-5/8	29/32	SA16E2	•
SA18E	1/2" Drive SAE 9/16" Standard Hex Bit Socket Driver	9/16	3-15/64	1-21/32	1-1/32	SA18E2	•
SA20E	1/2" Drive SAE 5/8" Standard Hex Bit Socket Driver	5/8	3-13/32	1-41/64	1-11/64	LAW120E2	•
SP32E	1/2" Drive #3 PHILLIPS® Standard Bit Socket Driver	#3	2-21/64	53/64	29/32	SP32E2	•
SP42E	1/2" Drive #4 PHILLIPS® Standard Bit Socket Driver	#4	2-15/32	31/32	29/32	SP42E2	•
SW28E	1/2" Drive 7/16" Flat Tip Standard Bit Socket Driver	7/16 x .050	3-7/32	1-23/32	29/32	SW28E2A	•
SW32E	1/2" Drive 1/2" Flat Tip Standard Bit Socket Driver	1/2 x .075	3-7/32	1-23/32	29/32	SW32E2A	•
KRA142B	Metal Storage Case	—	—	—	—	—	•

#### PIT□□□ □ □" Drive Impact Driver

- This □ □" drive unit delivers cam action impact when struck with a hammer

#### PIT□□□EB □ □pc □ □" Drive Impact Driver Set

- PIT□□□ Impact Driver plus sockets and socket drivers (□ □pc) in KRA□□B Metal Storage Case

### Extensions

- Ideal for use on transmission bellhousing bolts, transaxle and suspension service
- Pull-back collar for fast and easy attachment and removal of sockets
- Knurled release collar provides easy one-hand operation
- Single body construction for maximum strength and locking mechanism specifically for impact use
- Female drive end recessed to accommodate newer style impact guns

### Extensions/Locking

Stock No.	Description	A	B	
IMXL32	1/2" Drive 3-1/2" Locking Impact Extension	5/8	3-1/2	•
IMXL52	1/2" Drive 5" Locking Impact Extension	5/8	5	•
IMXL102	1/2" Drive 10" Locking Impact Extension	5/8	10	•

Set includes storage tray

Set Contains:  
303IMXL



### Extensions/Snap Ring Retention, Industrial

Stock No.	Description	A	B
IMX32B	1/2" Drive 3" Snap Ring Impact Extension	5/8	3
IMX52	1/2" Drive 5-3/32" Snap Ring Impact Extension	21/32	5-3/32
IMX112	1/2" Drive 11-1/4" Snap Ring Impact Extension	21/32	11-1/4

#### IMX pc 1/2" Drive Impact Extension Set

- Includes IMX32B-IMX112 (3-11 1/4") and IP800D 1/2" Drive Swivel Ball Lock Button Impact Universal Joint in a storage tray
- Snap-on® impact extensions are heat-treated to optimize impact service life with a lower hardness and able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy steel that provides long life and great strength



### Extension Adaptor

Stock No.	A	B	C	D
IMXA42	3/8	1/2	1/2	4



### Universal Joints (Impact)

Stock No.	Socket Attachment	A	B
IP800	Ball Type	1-1/4	2-3/4
IP80D	Pin Type	1-1/4	2-3/4

#### IP pc Combination Drive Impact Universal Joint Set

- Includes IPF800B 1/2" Drive Friction Ball Swivel Ball Impact Universal Joint and IP800D 1/2" Drive Swivel Ball Lock Button Impact Universal Joint in a storage tray



### Swivel Extensions (1/2")

- Laser-welded pivot pin allows smooth, full 360° swivel action for efficient power transfer
- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Provides versatility for the technician as they can use any shallow, semi-deep, deep, 1/2-point, 3/4-point, metric or SAE impact socket, and are not limited to just one size

#### IPSX 1/2" Drive 1/2" Swivel Impact Extension

- Removes and installs bolts/nuts with a 1/2" impact gun
- Technician can use any shallow, semi-deep, deep, 1/2-point, 3/4-point, metric or SAE impact socket with this extension
- Employs friction ball socket retention method

#### IPSXL 1/2" Drive 1/2" Swivel Impact Pinned Extension

- Removes and installs bolts/nuts with a 1/2" impact gun
- Technicians can use any shallow, semi-deep, 1/2-point, 3/4-point, metric or SAE impact socket with this extension
- Laser welded pivot pin allows smooth, full 360° swivel action for efficient power transfer
- Employs lock button engagement in side lock holes of socket ensuring positive retention



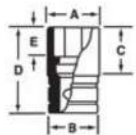
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Read Safety Precautions on pages W1-W4



IMM150A



310IMMYA



Shallow, mm

Set Contains:  
 310IMMYA  
 312IMM  
 315IMMYA  
 315IMDMYA

mm	6	12	A	B	C	D	E	6	6	6	12
10	IMM100A	IMDM100A	15.0	22.6	22.2	38.1	7.9	•			•
11	IMM110A	IMDM110A	18.2	22.6	22.2	38.1	8.7	•			•
12	IMM120A	IMDM120A	19.0	24.3	22.2	38.1	9.5	•			•
13	IMM130A	IMDM130A	20.6	24.3	22.2	38.1	10.3	•			•
14	IMM140A	IMDM140A	22.2	24.3	22.2	38.1	10.3	•			•
15	IMM150A	IMDM150A	23.8	26.4	22.2	38.1	10.3	•	•		•
16	IMM160A	IMDM160A	24.6	26.4	22.2	38.1	11.9	•	•		•
17	IMM170A	IMDM170A	25.4	26.7	22.2	38.1	12.7	•	•		•
18	IMM180	IMDM180	26.7	26.7	19.1	38.1	12.7	•	•		•
19	IMM190	IMDM190	28.3	28.3	21.3	38.1	12.7	•	•		•
20	IMM200	IMDM200	29.9	29.9	21.1	38.1	14.2		•		•
21	IMM210	IMDM210	31.5	31.5	21.0	38.1	14.2		•		•
22	IMM220	IMDM220	33.3	33.3	21.4	38.1	15.9		•		•
23	IMM230	IMDM230	34.1	34.1	27.8	44.5	15.9		•		•
24	IMM240	IMDM240	34.9	34.9	27.8	44.5	15.9		•		•
25	IMM250	—	29.8	29.8	27.0	44.5	15.9		•		
26	IMM260	—	38.1	38.1	33.3	50.8	15.9				
27	IMM270	IMDM270	39.4	39.4	27.1	50.8	20.3		•		
29	IMM290	—	41.1	41.1	33.3	50.8	21.1				
30	IMM300	—	42.7	42.7	32.1	50.8	21.6				
32	IMM320	IMDM320	45.8	45.8	32.1	50.8	22.4				
34	IMM340	—	47.6	42.9	40.5	52.4	22.4				
36	IMM360	IMDM360	50.5	45.8	40.5	57.2	22.4				
39	—	IMDM390	53.8	39.6	36.8	50.8	22.3				
46	IMM460	—	64.8	47.6	50.3	69.9	29.7				

Sets include storage tray

ASME®/ANSI® B107.33M

IMDM□□□ □" Drive □-Point Metric □□ mm Flank Drive® Shallow Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Flank Drive® wrenching system delivers up to □□% more turning power without slipping or rounding while exceeding ANSI® performance standards
- Applications include the removal and installation of Duramax® Diesel front crankshaft bolt, late-model BMW® axle shafts, and □□□□ GM® and □□□□ Dodge® pinion nuts on trucks with □□□ AAM axles

IMDM□□□ □" Drive □-Point Metric □□ mm Flank Drive® Shallow Impact Socket

- Applications include servicing axle nuts on □□□□-□□□□ Mercedes-Benz® W□□□ chassis SC and SL Class; Porsche® Boxster®, Cayenne® and □□□; plus □□□□-later BMW® X□□, X□□ and X□□ Series vehicles
- Other uses include drive shaft nuts on □□□□-later VW® Touareg® vehicles

IMDM□□□ □" Drive □-Point Metric □□ mm Flank Drive® Shallow Impact Socket

- Applications include the front axle hub of □□□□ Toyota® Tundra® □WD; and servicing inner rack and pinion nuts on BMW® X□□ and X□□ vehicles
- IMDM□□□ □" Drive □-Point Metric □□ mm Flank Drive® Shallow Impact Socket
- IMDM□□□ □" Drive □-Point Metric □□ mm Flank Drive® Shallow Impact Socket
- Applications include removal and installation of lower ball joint on □□□□ current BMW® □ and □ Series vehicles
  - □□ mm, □-point, □" drive



# FLANK DRIVE® IMPACT SOCKETS

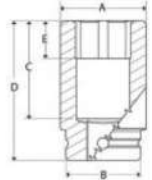
1/2" DRIVE TOOLS



IMD120A



311IMYA



Set Contains:

311IMYA

313IMD

Shallow, inches

II	6	12	A	B	C	D	E	6	12
3/8	IM120A	IMD120A	19/32	29/32	7/8	1-1/2	5/16	•	•
7/16	IM140A	IMD140A	23/32	29/32	7/8	1-1/2	11/32	•	•
1/2	IM160A	IMD160A	13/16	29/32	7/8	1-1/2	13/32	•	•
9/16	IM180A	IMD180A	7/8	29/32	7/8	1-1/2	13/32	•	•
5/8	IM200	IMD200	15/16	1	7/8	1-1/2	15/32	•	•
11/16	IM220	IMD220	1-1/16	1-1/16	3/4	1-1/2	1/2	•	•
3/4	IM240	IMD240	1-1/8	1-1/8	3/4	1-1/2	1/2	•	•
13/16	IM260	IMD260	1-1/4	1-1/4	3/4	1-1/2	1/2	•	•
7/8	IM280	IMD280	1-5/16	1-5/16	13/16	1-1/2	9/16	•	•
15/16	IM300	IMD300	1-3/8	1-3/8	1-1/16	1-3/4	3/4	•	•
1	IM320	IMD320	1-7/16	1-7/16	1-1/16	1-3/4	3/4	•	•
1-1/16	IM340	—	1-9/16	1-9/16	1	2	13/16		
1-1/8	IM360	IMD360	1-5/8	1-5/8	1	2	13/16		•
1-3/16	IM380	—	1-11/16	1-1/2	1-3/32	2	13/16		
1-1/4	IM400	IMD400	1-3/4	1-1/2	1-5/32	2	13/16		•
1-5/16	IM420H	—	1-7/8	1-1/2	1-3/8	2	7/8		
1-3/8	IM440	—	1-15/16	1-1/2	1-3/8	2	7/8		
1-7/16	IM460	—	2	1-1/2	1-3/8	2	15/16		
1-1/2	IM480	—	2-1/8	1-9/16	1-3/8	2	15/16		
1-9/16	IM500	—	2-1/4	1-5/8	1-11/16	2-5/16	15/16		

Sets include storage tray

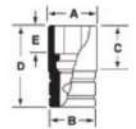
ASME®/ANSI® B107.2



IMMS240



312IMMS



Set Contains:

307IMMS

312IMMS

Semi-Deep, mm

mm	6	A	B	C	D	E	6	6
10	IMMS100	15.1	23.0	39.1	56.4	7.1		
12	IMMS120	19.8	23.0	39.1	56.4	8.7		
13	IMMS130	21.4	23.0	39.1	56.4	9.5		
14	IMMS140	22.2	23.0	39.1	56.4	10.3		
15	IMMS150	23.8	23.0	27.7	56.4	10.3		•
16	IMMS160	24.6	24.6	31.2	56.4	11.9		•
17	IMMS170	25.4	25.4	31.1	56.4	11.1	•	•
18	IMMS180	27.0	27.0	31.1	56.4	12.7	•	•
19	IMMS190	28.6	28.6	30.9	56.4	13.5	•	•
20	IMMS200	30.2	30.2	30.7	56.4	13.5	•	•
21	IMMS210	31.8	31.8	30.7	56.4	13.5	•	•
22	IMMS220	33.3	33.3	35.0	60.3	13.5	•	•
23	IMMS230	34.1	34.1	35.0	60.3	15.9		•
24	IMMS240	34.9	34.9	35.0	60.3	15.1	•	•
25	IMMS250	36.5	36.5	34.4	60.3	15.9		•
27	IMMS270	39.7	39.7	34.4	60.3	19.8	•	•
30	IMMS300	42.9	42.9	37.5	63.5	21.4		
32	IMMS320	46.0	46.0	37.5	63.5	22.2		
34	IMMS340	44	52	51.5	70	22		
36	IMMS360	51	44	51.5	70	22		

Sets include storage tray

ASME®/ANSI® B107.33M



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4

# FLANK DRIVE® IMPACT SOCKETS



IMS300



312IMS



## Semi-Deep, inches

Set Contains: 307IMS 312IMS

		A	B	C	D	E		
1/2	IMS160	27/32	29/32	1-17/32	2-7/32	3/8		•
9/16	IMS180	7/8	29/32	1-17/32	2-7/32	13/32	•	•
5/8	IMS200	31/32	31/32	1-7/32	2-7/32	15/32	•	•
11/16	IMS220	1-1/16	1-1/16	1-7/32	2-7/32	1/2	•	•
3/4	IMS240	1-1/8	1-1/8	1-3/16	2-7/32	17/32	•	•
13/16	IMS260	1-1/4	1-1/4	1-3/16	2-7/32	9/16	•	•
7/8	IMS280	1-5/16	1-5/16	1-3/8	2-13/32	5/8	•	•
15/16	IMS300	1-3/8	1-3/8	1-11/32	2-13/32	21/32	•	•
1	IMS320	1-7/16	1-7/16	1-11/32	2-13/32	23/32		•
1-1/16	IMS340	1-9/16	1-9/16	1-11/32	2-13/32	3/4		•
1-1/8	IMS360	1-5/8	1-5/8	1-7/16	2-1/2	25/32		•
1-1/4	IMS400	1-3/4	1-3/4	1-7/16	2-1/2	7/8		•

Sets include storage tray

ASME®/ANSI® B107.2



SIMM340



310SIMMYA



## Deep, mm

Set Contains: 305SIMMY 310SIMMYA 310SIMMADDDON 312SIMM 315SIMMYA 325SIMM 312SIMDM

			A	B	C	D	E							
10	SIMM100A	SIMDM100	17.5	23.0	65.8	82.6	7.1		•			•	•	
11	SIMM110A	SIMDM110	18.3	23.0	65.8	82.6	7.9		•			•	•	
12	SIMM120A	SIMDM120	19.8	23.0	65.8	82.6	8.7		•			•	•	
13	SIMM130A	SIMDM130	21.4	23.0	65.8	82.6	9.5		•			•	•	
14	SIMM140A	SIMDM140	22.2	23.0	65.8	82.6	10.3		•			•	•	
15	SIMM150A	SIMDM150	23.8	23.8	54.3	82.6	10.3		•		•	•	•	
16	SIMM160A	SIMDM160	24.6	24.6	58.4	82.6	11.9		•		•	•	•	
17	SIMM170	SIMDM170	25.4	25.4	58.5	82.6	11.1		•		•	•	•	
18	SIMM180	SIMDM180	27.0	27.0	58.5	82.6	12.7		•		•	•	•	
19	SIMM190	SIMDM190	28.6	28.6	58.3	82.6	13.5		•		•	•	•	
20	SIMM200	SIMDM200	30.2	30.2	57.9	82.6	13.5				•	•	•	
21	SIMM210	SIMDM210	31.8	31.8	57.9	82.6	13.5				•	•	•	
22	SIMM220	SIMDM220	33.3	33.3	53.9	88.9	13.5				•	•	•	
23	SIMM230	SIMDM230	34.1	34.1	63.9	88.9	15.9				•	•	•	
24	SIMM240	SIMDM240	34.9	34.9	63.5	88.9	15.9				•	•	•	
25	SIMM250	SIMDM250	36.5	36.5	63.4	88.9	15.9			•	•	•	•	
26	SIMM260	—	38.1	38.1	63.4	88.9	15.9			•		•	•	
27	SIMM270	SIMDM270	39.7	39.7	63.4	88.9	19.8			•	•	•	•	
28	SIMM280A	—	41.3	41.3	72.5	89.7	20.6							
29	SIMM290	SIMDM290	41.3	41.3	63.4	89.7	20.6	•		•			•	
30	SIMM300	SIMDM300	42.9	42.9	63.4	89.7	21.4	•		•			•	
32	SIMM320	SIMDM320	46.0	46.0	63.4	89.7	22.2			•			•	
33	SIMM330	SIMDM330	46.0	46.0	72.5	89.7	22.2			•			•	
34	SIMM340	SIMDM340	49.3	49.3	72.8	88.9	22.6	•		•			•	
35	SIMM350	SIMDM350	50.8	50.8	72.8	88.9	22.9	•		•			•	
36	SIMM360	SIMDM360	50.8	50.8	72.8	88.9	22.9	•		•			•	

Sets include storage tray

ASME®/ANSI® B107.33m



# FLANK DRIVE® IMPACT SOCKETS

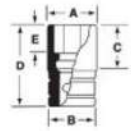
1/2" DRIVE TOOLS



SIMD300A



313SIMA



Deep, inches

II	6	12	Set Contains:					307SIM		313SIMA		320SIM*		309SIMYA		313SIMD	
			A	B	C	D	E	6	6	6	6	12					
3/8	SIM120A	—	19/32	29/32	2-9/16	3-1/4	9/32	•									
7/16	SIM140A	—	23/32	29/32	2-9/16	3-1/4	5/16	•									
1/2	SIM160A	SIMD160A	27/32	29/32	2-9/16	3-1/4	3/8		•	•	•	•	•	•	•	•	•
9/16	SIM180A	SIMD180A	7/8	29/32	2-9/16	3-1/4	13/32		•	•	•	•	•	•	•	•	•
5/8	SIM200	SIMD200A	31/32	31/32	2-9/32	3-1/4	15/32		•	•	•	•	•	•	•	•	•
11/16	SIM220	SIMD220A	1-1/16	1-1/16	2-9/32	3-1/4	1/2		•	•	•	•	•	•	•	•	•
3/4	SIM240	SIMD240A	1-1/8	1-1/8	2-9/32	3-1/4	17/32		•	•	•	•	•	•	•	•	•
13/16	SIM260	SIMD260A	1-1/4	1-1/4	2-1/4	3-1/4	19/32		•	•	•	•	•	•	•	•	•
7/8	SIM280	SIMD280A	1-5/16	1-5/16	2-1/2	3-1/2	17/32		•	•	•	•	•	•	•	•	•
15/16	SIM300	SIMD300A	1-3/8	1-3/8	2-1/2	3-1/2	23/32		•	•	•	•	•	•	•	•	•
1	SIM320	SIMD320A	1-7/16	1-7/16	2-15/32	3-1/2	3/4		•	•	•	•	•	•	•	•	•
1-1/16	SIM340	SIMD340A	1-9/16	1-9/16	2-15/32	3-17/32	25/32		•	•	•	•	•	•	•	•	•
1-1/8	SIM360	SIMD360A	1-5/8	1-5/8	2-15/32	3-17/32	25/32		•	•	•	•	•	•	•	•	•
1-3/16	SIM380	SIMD380A	1-11/16	1-11/16	2-15/32	3-17/32	25/32		•	•	•	•	•	•	•	•	•
1-1/4	SIM400	SIMD400A	1-3/4	1-3/4	2-15/32	3-17/32	1		•	•	•	•	•	•	•	•	•
1-5/16	SIM420H	—	1-13/16	1-13/16	2-15/32	3-17/32	1	•									
1-3/8	SIM440	—	1-13/16	1-13/16	2-3/4	3-1/2	7/8	•									
1-7/16	SIM460	—	2	1-1/2	2-21/32	3-1/2	15/16	•									
1-1/2	SIM480	—	2-1/8	1-9/16	2-5/8	3-1/2	15/16	•									
1-9/16	SIM500	—	2-1/4	1-5/8	2-5/8	3-1/2	15/16	•									
1-5/8	SIM520	—	2-3/8	1-3/4	2-7/8	3-1/2	15/16										

Sets include storage tray  
ASME®/ANSI® B107.2

\*Does not include storage tray



311IMFSY



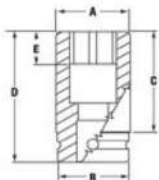
Shallow/Thin Wall, inches

II	6	Set Contains:					311IMFSY	
		A	B	C	D	E	6	
3/8	IMFS120	19/32	7/8	3/8	1-1/2	7/32	•	
7/16	IMFS140	11/16	7/8	9/16	1-1/2	11/32	•	
1/2	IMFS160	3/4	7/8	5/8	1-1/2	3/8	•	
9/16	IMFS180	13/16	7/8	11/16	1-1/2	13/32	•	
5/8	IMFS200	29/32	29/32	3/4	1-1/2	15/32	•	
11/16	IMFS220	1	1	13/16	1-1/2	1/2	•	
3/4	IMFS240	1-1/16	1-1/16	13/16	1-1/2	1/2	•	
13/16	IMFS260	1-1/8	1-1/8	25/32	1-1/2	1/2	•	
7/8	IMFS280	1-7/32	1-7/32	29/32	1-1/2	9/16	•	
15/16	IMFS300	1-5/16	1-5/16	1-3/16	1-17/32	3/4	•	
1	IMFS320	1-3/8	1-3/8	1-3/16	1-9/16	3/4	•	
1-1/16	IMFS340	1-7/16	1-7/16	1-1/4	1-11/16	13/16		
1-1/8	IMFS360	1-1/2	1-1/2	1-1/4	1-3/4	13/16		
1-3/16	IMFS380	1-5/8	1-5/8	1-1/4	1-3/4	13/16		
1-1/4	IMFS400	1-11/16	1-11/16	1-1/4	1-7/8	13/16		
1-5/16	IMFS420	1-3/4	1-3/4	1-1/4	1-7/8	13/16		
1-3/8	IMFS440	1-13/16	1-13/16	1-1/4	2-1/16	13/16		
1-7/16	IMFS460	1-15/16	1-3/4	1-3/8	2-1/16	13/16		
1-1/2	IMFS480	2	2	1-3/8	2-1/16	13/16		

Set includes storage tray



• Wear safety goggles while using impact drivers.  
• Read Safety Precautions on pages W1-W4



**Extra-Deep, mm**

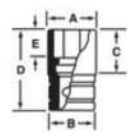
mm	Stock No.	A	B	C	D	E
15	SIMML150	23.2	26.4	110.2	127.0	10.7
18	SIMML180	26.8	26.8	54.8	127.0	12.7



SIMML150

SIMML□□□□ Drive □-Point Metric □□ mm Flank Drive® Extra-Deep Impact Socket

- Applications include the removal and installation of the fuel tank hold down strap on International® □□□□ chassis
- The fuel tank must be removed to replace the fuel sending unit
- □" long to reach through the frame to access the fastener without the need of an extension



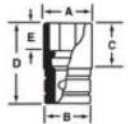
**Extra-Deep, inches**

- Applications include removing or replacing fuel tank retaining strap nuts
- Also has applications for emergency brake adjustment nuts and stabilizer retainers

Hex	6	A	B	C	E
1/2	SIML160	25/32	15/16	4-1/4	3/8
9/16	SIML180	7/8	15/16	4-1/4	13/32
5/8	SIML200	31/32	1	4-1/4	15/32
11/16	SIML220	1-1/16	1-1/16	4-1/4	1/2
11/16	SIMDL220	1-1/16	1-1/16	4-1/4	1/2
3/4	SIML240	1-1/8	1-1/8	4-1/4	9/16
13/16	SIML260	1-1/4	1-1/4	4-1/4	19/32
7/8	SIML280	1-5/16	1-5/16	4-1/4	21/32
15/16	SIML300	1-3/8	1-3/8	4-1/4	23/32
1	SIML320	1-7/16	1-7/16	4-3/8	3/4
1-1/16	SIML340	1-9/16	1-9/16	4-5/32	25/32
1-1/8	SIML360	1-5/8	1-5/8	4-1/8	25/32
1-1/4	SIML402	1-3/4	1-3/4	5-1/8	1



SIML160



**Extra-Deep/Thin Wall, mm**

- Sockets are □□% thinner than a standard thin wall socket
- Used to access the nut on long studs and other hard-to-reach areas
- Ideal for wheel lugs

mm	Stock No.	A	B	C	D	E
14	SIMMF14A	20.6	23.8	50.8	76.2	25.4
17	SIMMF17A	23.8	23.8	50.8	76.2	25.4
21	SIMMF21A	28.6	28.6	50.8	76.2	25.4
22	SIMMF22A	30.2	30.2	50.8	76.2	25.4



SIMMF14A



**Deep/Thin Wall, mm**

mm	Stock No.	A	B	C	D	E
19	SIMMF19A	26.2	28.6	40.5	76.2	19
36	SIMDM360TW	47.2	44.5	72.8	88.9	22.9



SIMMF19A

SIMDM□□□TW □" Drive □-Point Metric □□ mm Flank Drive® Deep Pinion Flange Nut Impact Socket

- Thin-wall design provides extra room needed to remove and install the differential pinion flange nut on the □□□□ Chevrolet® Camaro® (USA) and Holden Commodore (Australia) vehicles





307RIPLMY

Low Profile Swivel, mm

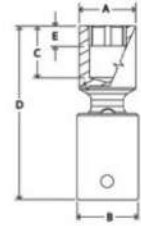
Set Contains:

mm	6	A	B	C	D	E	6
14	RIPLM14C	21.2	26.7	7.2	53.1	6.7	•
15	RIPLM15C	23.0	31.4	7.7	60.4	6.7	•
17	RIPLM17C	25.2	31.4	8.6	61.9	7.6	•
18	RIPLM18C	26.4	31.4	9.0	61.9	8.0	•
19	RIPLM19C	26.8	31.4	9.5	63.5	8.5	•
21	RIPLM21C	30.0	31.4	10.1	64.7	9.2	•
24	RIPLM24C	34.0	31.4	11.6	67.3	10.6	•

Sets include storage tray



RIPLM14C



312IPLM

Shallow Swivel, mm

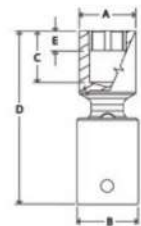
Set Contains:

mm	6	12	A	B	C	D	E	6	6
18	IPLM10C	—	15.5	26.8	26.8	69.3	9.7	•	
11	IPLM11C	—	17.5	26.8	26.8	69.3	9.7	•	
12	IPLM12C	IPDLM12	18.0	26.8	26.8	69.3	9.7	•	
13	IPLM13C	IPDLM13A	19.7	26.8	26.8	69.3	9.7	•	
14	IPLM14C	—	21.3	26.8	26.8	69.3	9.7	•	•
15	IPLM15C	—	23.0	31.9	31.9	69.3	9.7	•	•
16	IPLM16C	IPDLM16A	24.4	31.9	31.9	71.1	10.4	•	
17	IPLM17C	IPDLM17A	25.3	31.9	31.9	71.1	10.4	•	•
18	IPLM18C	IPDLM18A	26.5	31.9	31.9	71.1	10.4	•	•
19	IPLM19C	—	26.8	31.9	31.9	71.1	11.2	•	•
21	IPLM21C	—	30.0	31.9	31.9	71.1	12.7	•	•
22	IPLM22C	—	32.4	31.9	31.9	74.4	14.2	•	
24	IPLM24C	—	34.0	31.9	31.9	74.4	15.0	•	•

Sets include storage tray.



IPDLM12

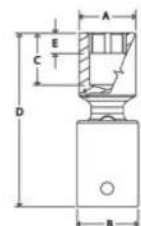


Deep Swivel, inches

mm	6	A	B	C	D	E
9/16	SIP18A	7/8	1-1/16	1-1/16	3-1/2	5/16
3/4	SIP24A	1-1/16	1-1/16	1-1/16	3-31/32	7/16



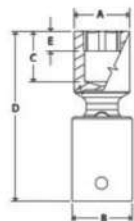
SIP18A



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Read Safety Precautions on pages W1-W4



IPSM21



Semi-Deep Swivel, mm

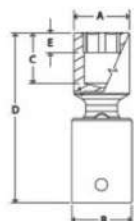
mm	6	A	B	C	D	E
15	IPSM15	23.0	31.9	31.9	80.6	9.7
18	IPSM18	26.5	31.9	31.9	82.4	10.4
21	IPSM21	30.0	31.9	31.9	82.4	12.7
22	IPSM22	32.4	31.9	31.9	82.4	14.2



307RIPLY



RIPL18C



Low Profile Swivel, inches

Set Contains:

II	6	A	B	C	D	E	6
9/16	RIPL18C	27/32	1-1/16	5/16	2-3/16	1/4	•
5/8	RIPL20C	31/32	1-1/4	11/32	2-5/16	1/4	•
11/16	RIPL22C	1-1/16	1-1/4	11/32	2-7/16	5/16	•
3/4	RIPL24C	1-1/8	1-1/4	3/8	2-19/32	11/32	•
7/8	RIPL28C	1-9/32	1-1/4	7/16	2-27/32	7/16	•
15/16	RIPL30C	1-11/32	1-1/4	15/32	2-13/16	7/16	•
1-1/8	RIPL36C	1-9/16	1-1/4	17/32	3	1/2	•

Set includes storage tray

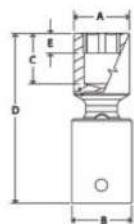
307RIPLY



312IPL



IPL20C



Shallow Swivel, inches

Set Contains:

II	6	12	A	B	C	D	E	6	6
1/2	IPL16C	IPDL16	25/32	1-1/32	1-1/32	2-3/4	5/16	•	
9/16	IPL18C	—	27/32	1-1/32	1-1/32	2-3/4	5/16	•	•
5/8	IPL20C	IPDL20	31/32	1-1/16	1-1/16	2-3/4	5/16	•	•
11/16	IPL22C	—	1-1/16	1-1/16	1-1/16	2-13/16	13/32	•	•
3/4	IPL24C	—	1-1/8	1-1/16	1-1/16	2-13/16	7/16	•	•
13/16	IPL26C	—	1-3/16	1-1/16	1-1/16	2-13/16	1/2	•	
7/8	IPL28C	—	1-9/32	1-1/16	1-1/16	2-15/16	17/32	•	•
15/16	IPL30C	—	1-11/32	1-1/16	1-1/16	2-15/16	19/32	•	•
1	IPL32C	—	1-11/32	1-1/16	1-1/16	2-15/16	21/32	•	
1-1/16	IPL34C	—	1-7/16	1-1/16	1-1/16	2-15/16	11/16	•	
1-1/8	IPL36C	—	1-9/16	1-1/16	1-1/16	3-1/8	3/4	•	•
1-3/16	IPL38C	—	1/1/16	1-1/4	1-1/4	3-3/8	23/32	•	
1-1/4	IPL40C	—	1-5/8	1-1/16	1-1/16	3-3/16	25/32	•	
1-5/16	IPL42C	—	1-3/4	1-1/16	1-1/16	3-3/16	7/8		

Sets include storage tray.

312IPL

307RIPLY



**TORX®/Shallow Impact**

#	Stock No.	A	B	C
E18	IMSLE180	29/32	29/32	1-1/2
E20	IMSLE200	15/16	15/16	1-1/2
E24	IMSLE240	1-1/16	1-1/16	1-1/2

IMSLE□□□□ □" Drive TORX® E□□ Shallow Impact Socket

- Remove and install brake rotor bolts on □□□□-newer F□□□ Super Duty

IMSLE□□□□ □" Drive TORX® E□□ Shallow Impact Socket

- Various applications on Mercedes® and BMW® vehicles; heavy-duty trucks with Mercedes® engines and rear brake caliper bolts on BMW® X□□

IMSLE□□□□ □" Drive TORX® E□□ Shallow Impact Socket

- Used for front axle nut on M, C, E and S Class Mercedes-Benz® vehicles

**Twist/Shallow, inches**

Set Contains:

#	Stock No.	A	B	C	D	
3/4	TTWY241A	1-1/32	1	1	1-5/8	•
13/16	TTWY261A	1-1/8	1	1	1-5/8	•
7/8	TTWY281A	1-3/16	1-1/16	1	1-5/8	•
15/16	TTWY301A	1-1/4	1-3/16	1	1-5/8	•
1	TTWY321A	1-5/16	1-1/4	1	1-5/8	•

Set includes storage tray

□□□□TTWYA □pc □" Drive SAE Shallow Twist Impact Socket Set (Blue-Point®)

- Includes TTWY□□□A-TTWY□□□A (□ □ □ □)
- Removes rounded or damaged fasteners with almost any head configuration (hex, round, square and more)
- Can be used with an impact wrench
- Manufactured from heat-treated alloy steel
- Black industrial finish

**Low-Profile TORX Plus® Impact (□□□)**

IMSLEPL□□□□ □" Drive □□EPL TORX Plus® Low-Pro□le Impact Socket

- Impact-rated TORX Plus® socket
- Low-profile geometry for use with low-profile fasteners
- Manufactured from special steel with higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability



**Shackle Pin**

SPS□□A □" Drive SAE □□□□" Shackle Pin Impact Socket

- Designed with an oval configuration to service shackle pins on International® and Kenworth® semitrucks

SPS□□A □" Drive SAE □□□□x □□□□" Shackle Pin Impact Socket

- Socket opening is □□□□x □□□□"; □□□□" long

SPS□□□□" Drive SAE □□□□x □□□□" Shackle Pin Impact Socket

- For use on Freightliner® □□□□ Series and trucks with newer large spring bolts
- Impact rated □□" drive
- Socket opening is □□□□x □□□□"; □□□□" long



**Drum Plug Socket**

A□□□A □" Drive Drum Plug Socket

- One socket removes virtually all screw-in drum plugs or caps
- Spring-loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs
- For use with a □□" drive ratchet or impact wrench



- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Read Safety Precautions on pages W1-W4



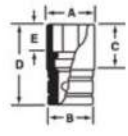
S6324

**Crankshaft Bolt Socket**

- S□□□□ 1/2" Drive □-Point Metric □□ mm Cranksha□ Bolt Impact Socket
- Used for removing and installing crankshaft bolts on Audi® A□, A□ and A□ vehicles
  - Socket is 1/2" drive □□ mm and overall length is □" which is critical to the crankshaft bolt application
  - Flank Drive® wrenching system grips fastener on the flanks/ flats, increasing torque by □+□% while preventing the fastener from rounding, and increasing the life of the socket



DPSM16



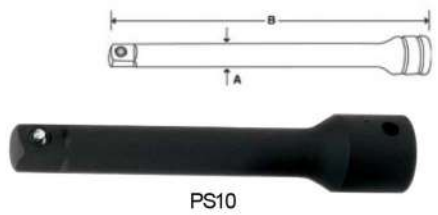
**Shallow/ □-Point, mm**

mm	10	A	B	C	D
16	DPSM16	24.6	24.6	38.1	11.9

**DPSM □□ 1/2" Drive □-Point Metric □□ mm Shallow Impact Socket**

- Used for removing the rear lower control arm bolts on □□□□ and newer Honda® Civic® and Acura® RSX® vehicles
- Forged from tough alloy steel
- Heat-treated to a lower hardness to add impact resistance and ductility

**POWER ACCESSORIES**



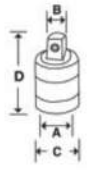
PS10

**Extensions/Lock Button, Industrial**

Stock No.	A	B
PS2	5/8	2
PS3	5/8	3-1/2
PS5	5/8	5
PS10	5/8	10



PA2A



**Adaptors (Power)**

Stock No.	Socket Attachment	A	B	C	D
PA4F	Pin Type	1/2	3/8	15/16	1-13/16
PA2A	Pin Type	3/8	1/2	3/4	1-5/16



A3011A

**Hex Shanks (Power)**

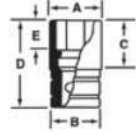
Stock No.	Socket Attachment	A	B	C	D
A3011A	Pin Type	1/2	7/16	1-1/4	2-3/4

Deep, mm, Industrial

mm	6	A	B	C	D	E
17	SPM17	24.6	24.6	66.6	82.6	12.7
19	SPM19	26.4	26.4	64.8	82.6	11.9
21	SPM21	28.3	28.3	64.8	82.6	12.3



SPM19

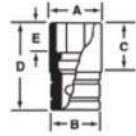


Double Square/Shallow, inches, Industrial

8	A	B	C	D	E	
3/8	P412	13/32	7/8	7/8	1-1/2	5/16
7/16	P414	13/16	15/16	7/8	1-1/2	3/8
1/2	P416	29/32	1	7/8	1-1/2	5/16
9/16	P418	1	1-1/8	7/8	1-1/2	1/2
5/8	P420	1-3/32	1-3/16	7/8	1-1/2	1/2
11/16	P422	1-7/32	1-1/4	7/8	1-1/2	13/32
3/4	P424	1-5/16	1-3/8	7/8	1-1/2	9/16
13/16	P426	1-7/16	1-7/16	7/8	1-1/2	5/8
7/8	P428	1-1/2	1-1/2	1-1/32	1-3/4	5/8
1	P432	1-23/32	1-3/4	1-1/8	1-3/4	3/4



P412

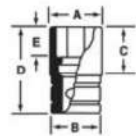


Double Square/Deep, inches, Industrial

8	A	B	C	D	E	
13/16	SIPR426	1-7/16	1-3/8	2-9/16	3-1/4	5/8
1	SIPR432	1-3/4	1-1/2	2-11/16	3-1/2	3/4
1-1/8	SIPR436	1-15/16	1-51/64	2-23/32	3-1/2	27/32



SIPR426

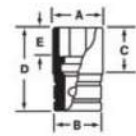


Double Square/Extra-Deep, inches, Industrial

8	A	B	C	D	E	
1-1/8	SIPRL436	1-15/16	1-1/2	4-13/32	5	27/32



SIPRL436

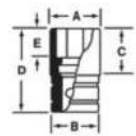


Shallow Magnetic, inches, Industrial

6	A	B	D	E	
3/8	MPK121A	19/32	7/8	1-1/2	1/8
7/16	MPK141A	11/16	7/8	1-1/2	5/32
1/2	MPK161A	25/32	15/16	1-1/2	5/32
9/16	MPK181A	7/8	15/16	1-1/2	5/32



MPK121A

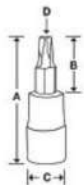


- Do not use adaptors with impact drivers.
- Do not exceed torque stamped on adaptor.
- Do not use chrome or industrial finish hand tools with impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Do not use power tools or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4

# POWER BIT SOCKETS



PSTX50E



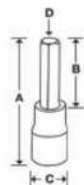
## ★ TORX®/Standard (Power), Industrial (□□")

#	Stock No.	A	B	C	D
T45	PSTX45E	2-29/64	61/64	29/32	FTX45E2
T50	PSTX50E	2-29/64	61/64	29/32	FTX50E2
T55	PSTX55E	2-29/64	61/64	1-1/4	FTX55E2
T50	PSTX500E*	2-29/64	61/64	29/32	FTX500E2

\*GM® Style TORX®



PSA10E



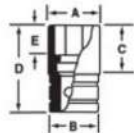
## Hex/Standard (Power), inches, Industrial (□□")

Hex	Stock No.	A	B	C	D
5/16	PSA10E	2-29/64	61/64	29/32	FA10E2
3/8	PSA12E	2-41/64	1-9/64	29/32	SA12E2
7/16	PSA14E	2-57/64	1-25/64	29/32	SA14E2
1/2	PSA16E	3-1/8	1-5/8	29/32	SA16E2
9/16	PSA18E	3-13/64	1-21/32	1-1/32	SA18E2
5/8	PSA20E	3-13/32	1-41/64	1-11/64	LAW120E2
3/4	PSA24E	4-3/64	2-15/64	1-3/8	LAW124E2

# SURFACE DRIVE SOCKETS



DTM15A

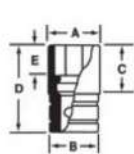


## Shallow, mm, Natural

mm	Stock No.	A	B	C	D	E
15	DTM15A	22.3	22.9	21.3	38.1	10.7



DTSM13A

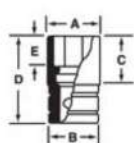


## Deep, mm, Natural

mm	Stock No.	A	B	C	D	E
13	DTSM13A	19.3	21.8	65.8	82.6	10.2
15	DTSM15A	22.3	21.8	65.8	82.6	10.7



DTS16A

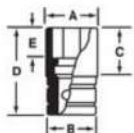


## Deep, inches, Natural

Hex	Stock No.	A	B	C	D	E
1/2	DTS16A	3/4	29/32	2-19/32	3-1/4	13/32
9/16	DTS18A	13/16	29/32	2-19/32	3-1/4	13/32



M3115



## Surface Drive (M-Series)

- Snap-on® M-Series sockets offer a precise fit, optimum hardness, durability, ring-groove and pin hole for use on a variety of industrial fastening applications
- M-Series sockets feature surface drive technology to ensure a long service life
- Used in the industrial market for assembly line work
- The lead-in chamfer and special design of these sockets will engage with a fastener while rotating on a power nut runner

mm	Stock No.	A	B	C	D	E
11	M3111	16.6	23.6	19.1	38.1	8.1
13	M3113	22.0	23.6	19.1	38.1	9.7
15	M3115	23.6	23.6	21.3	38.1	12.4
18	M3118	28.4	28.4	21.3	38.1	11.2
15	M3215	23.6	23.6	40.4	57.2	12.4



360MB



345MMB

**1/2" Point, Inches, Chrome**

1/2" pc 1/2" Drive 1/2" Point SAE Shallow/ Deep/ Universal General Service Socket Set

- Includes (12) 1/2"-point Shallow Sockets (1/2"-3/4" 1/2")
- Includes (12) 1/2"-point Deep Sockets (1/2"-3/4" 1/2")
- Includes (12) 1/2"-point deep sockets (1/2"-3/4" 1/2")
- Includes (1) 1/2"-point Universal Sockets (1/2"-1/2" 1/2")
- Includes Ratchet Spinner, Speeder, Universal Joint, Sliding T-Handle, Ratcheting Adaptor, Dual 1/2" Technology Standard Handle Ratchet, 1/2" Breaker Bar, 1" Extension, 1" Knurled Extension, 1" Knurled Extension, 1-1/4" Extension and 1-1/4" capacity Stud Remover
- Includes metal box

1/2" Point	12-Point Shallow Sockets	1/2" Point	6-Point Deep Sockets	1/2" Point	12-Point Deep Sockets
3/8	SW121A	1/2	TS161A	1/2	S161A
7/16	SW141A	9/16	TS181A	9/16	S181A
1/2	SW161A	5/8	TS201	5/8	S201
9/16	SW181A	11/16	TS221	11/16	S221
5/8	SW201	3/4	TS241	3/4	S241
11/16	SW221	13/16	TS261	13/16	S261
3/4	SW241	7/8	TS281	7/8	S281
13/16	SW261	15/16	TS301	15/16	S301
7/8	SW281	1	TS321	1	S321
15/16	SW301	1-1/16	TS341	1-1/16	S341
1	SW321	1-1/8	TS361		
1-1/16	SW341				
1-1/8	SW361				
1-3/16	SW381				
1-1/4	SW401				
1-5/16	SW421				

ASME/ANSI B107.1

6-Point Universal Socket Set	307SUY**	9/16-15/16" (7 pc)
Also Includes	A17A	1/2" Drive 15/16" Blade Width Drag Link Socket
	A80A	Stud Remover
	KRA21G	Metal Box
	LRS70A†	1-19/32" Ratchet Spinner
	S12L†	12" Sliding T-Handle
	S4†	18-7/8" Speeder
	S8	2-11/16" Universal Joint
	S77A†	Ratchet Adaptor
	S80A†	Standard Handle Ratchet
	SL80A†	Long Handle
	SN18B†	18" Breaker Bar
	SX2*	2" Extension
	SXK3**	3-1/2" Extension
	SXK5**	5" Knurled Extension
	SXK11**	11" Knurled Extension

Set includes storage tray  
\*\*ASME/ANSI B107.10M

\*Not knurled  
†ASME/ANSI B107.10

**1/2" Point, mm, Chrome**

1/2" pc 1/2" Drive 1/2" Point Metric Shallow/ Deep General Service Socket Set

- Includes (12) metric 1/2"-point Flank Drive® shallow socket set (12-12mm), metric 1/2"-point Flank Drive® deep socket set (12-12mm), speeder, universal joint, sliding t-handle, ratchet adaptor, Dual 1/2" Technology standard handle ratchet, 1" breaker bar, 1-1/4" extension, 1" knurled extension and 1" knurled extension

mm	Stock No.
10	SWM10 1A
11	SWM111A
12	SWM12 1A
13	SWM13 1A
14	SWM14 1A
15	SWM15 1A
16	SWM161
17	SWM171
18	SWM181
19	SWM191
20	SWM20 1
21	SWM211
22	SWM221
23	SWM231
24	SWM241
25	SWM251
26	SWM261
27	SWM271
28	SWM281
29	SWM291
30	SWM30 1
31	SWM311
32	SWM321

12-Point Universal Socket Set	313SMYA	13 pc 1/2" Drive 12-Point Metric Flank Drive® Deep Socket Set
Also Includes	S12L	1/2" Drive 12" Sliding T-Handle
	S4	18-7/8" Speeder
	S8	2-11/16" Universal Joint
	S77A	Ratchet Adaptor
	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK3	3-1/2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

Sets include storage tray

ASME/ANSI B107.1

**WARNING**




- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles (user and bystanders).
- For hand use only.
- Read Safety Precautions on pages W1-W4



317MSPC

□-Point, Inches, Chrome

 $\frac{1}{2}$ "	6-Point Shallow Sockets
3/8	TW121A
7/16	TW141A
1/2	TW161A
9/16	TW181A
5/8	TW201
11/16	TW221
3/4	TW241
13/16	TW261
7/8	TW281
15/16	TW301
1	TW321
1-1/16	TW341
1-1/8	TW361

Also Includes	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME®/ANSI® B107.10



317MPC

□-Point, Inches, Chrome

 $\frac{1}{2}$ "	Stock No.
3/8	SW121A
7/16	SW141A
1/2	SW161A
9/16	SW181A
5/8	SW201
11/16	SW221
3/4	SW241
13/16	SW261
7/8	SW281
15/16	SW301
1	SW321
1-1/16	SW341
1-1/8	SW361


Also Includes	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME®/ANSI® B107.10



317AMMPC

□-Point, mm Chrome

 mm	6-Point Shallow Sockets
12	TWM12A
13	TWM13A
14	TWM14A
15	TWM15A
16	TWM16
17	TWM17
18	TWM18
19	TWM19
20	TWM20
21	TWM21
22	TWM22
23	TWM23
24	TWM24


Also Includes	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME®/ANSI® B107.10



344AMB

□-Point, Inches, Chrome

 $\frac{1}{2}$ "	12-Point Shallow Sockets	Size, Inches	12-Point Deep Sockets
3/8	SW121A	1/2	S161A
7/16	SW141A	9/16	S181A
1/2	SW161A	5/8	S201
9/16	SW181A	11/16	S221
5/8	SW201	3/4	S241
11/16	SW221	13/16	S261
3/4	SW241	7/8	S281
13/16	SW261	15/16	S301
7/8	SW281	1	S321
15/16	SW301	1-1/16	S341
1	SW321	1-1/8	S361
1-1/16	SW341		
1-1/8	SW361		
1-3/16	SW381		
1-1/4	SW401		
1-5/16	SW421		

6-Point Universal Socket Set	307SUY	9/16-15/16" (7 pc)
Also Includes	LRS70A	1-19/32" Ratchet Spinner
	S4	18-7/8" Speeder
	S8	2-11/16" Universal Joint
	S12L	12" Sliding T-Handle
	S77A	Ratchet Adaptor
	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SX2	2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME®/ANSI® B107.10

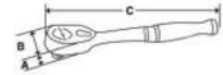




BPRSR940



BPRSR940SG



**Quick-Release Ratchets (Blue-Point®) (1/2")**

Stock No.	Description	Gear Teeth	Gear Action	A	B	C
BPRSR940	1/2" Drive Standard Handle Quick-Release Ratchet (Blue-Point®)	40	9°	23/32	1-23/32	9-7/8
BPRSR940 SG	1/2" Drive Soft Grip Standard Handle Quick-Release Ratchet (Blue-Point®)	40	9°	23/32	1-23/32	9-7/8

ASME®/ANSI® B107.10

**BPR□□□□pc Standard Handle Quick-Release Ratchet Set (Blue-Point®)**

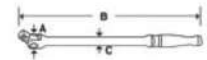
- Includes 1/2" Drive BPRTR□□□, 1/2" Drive BPRFR□□□ and 1/2" Drive BPRSR□□□ Ratchets (□pc) in a storage tray
- Features quick-release button for rapid socket/ accessory changes, even with greasy or oily hands
- Contoured handle for comfort and control
- Chrome finish for easy cleanup
- All ratchets in series meet or exceed ANSI® B□□□-□□M-□□□□ specifications



BLPBB1215



BLPBB1224



**Breaker Bars (Blue-Point®) (1/2")**

Stock No.	Description	A	B	C
BLPBB1215	1/2" Drive 15" Breaker Bar	1-1/8	15	3/4
BLPBB1224†	1/2" Drive 12-24" Adjustable Breaker Bar	1-1/16	12-24	5/8-7/8



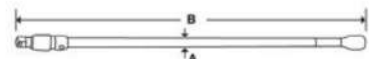
S13TURBO



SXLBP3



SXLBP10



**Turbo T-Handle (Blue-Point®)**

Stock No.	Description	Handle Type
S13TURBO	1/2" Square Drive Turbo Speed T-Handle (Blue-Point®)	Turbo T-Handle

**Locking Extensions, Chrome (Blue-Point®)**

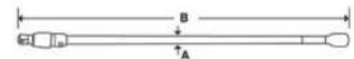
Stock No.	B
SXLBP3	3
SXLBP6	6
SXLBP10	10



BLPEXTK123



BLPEXTL1212



**Knurled Extensions, Chrome (Blue-Point®)**

Stock No.	B
BLPEXTK123	3
BLPEXTK126	6
BLPEXTK1210	10

**Extra-Long Locking Extensions (Blue-Point®)**

- Smooth, durable chrome finish
- Made from tough □□□□ steel
- Secure socket retention
- Do not use with power or impact tools

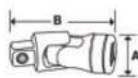
Set Contains:

Stock No.	Description	B	
BLPEXTL1212	1/2" Drive 12" Extra-Long Locking Extension (Blue-Point®)	12-1/8	•
BLPEXTL1218	1/2" Drive 18" Extra-Long Locking Extension (Blue-Point®)	18	•
BLPEXTL1224	1/2" Drive 24" Extra-Long Locking Extension (Blue-Point®)	24	•

Set includes storage tray



BLPW12

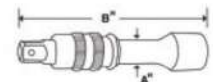


**Universal Joints, Chrome (Blue-Point®)**

Stock No.	B
BLPUJ12	2-3/4



303AIMXL



**Extra-Long Locking Impact Extensions (Blue-Point®)**

Set Contains:

Stock No.	Description	A	B	
IMXL182	1/2" Drive 18" Locking Impact Extension (Blue-Point®)	5/8	18	•
IMXL242	1/2" Drive 24" Locking Impact Extension (Blue-Point®)	5/8	24	•
IMXL312	1/2" Drive 31" Locking Impact Extension (Blue-Point®)	5/8	31	•

Set includes storage tray

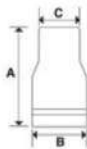


- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

SOCKETS Blue Point®



BLPSM1216

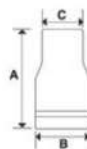


Shallow, mm, Chrome (Blue-Point®)

mm	6	A	B	C
12	BLPSM1212	38	21.9	17.9
13	BLPSM1213	38	21.9	19.1
14	BLPSM1214	38	21.9	20.4
15	BLPSM1215	38	21.6	21.6
16	BLPSM1216	38	22.9	22.9
17	BLPSM1217	38	24.1	24.1
18	BLPSM1218	38	25.4	25.4
19	BLPSM1219	38	26.5	26.5
20	BLPSM1220	38	27.8	27.8
21	BLPSM1221	38	28.5	28.5
22	BLPSM1222	41	29.9	29.9
23	BLPSM1223	41	31.1	31.1
24	BLPSM1224	41	32	32
27	BLPSM1227	44	36	36
30	BLPSM1230	44	39.8	39.8
32	BLPSM1232	44	42	42



BLPS1234

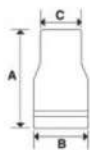


Shallow, Inches, Chrome (Blue-Point®)

II	6	A	B	C
3/8	BLPS1238	1-1/2	55/64	39/64
7/16	BLPS12716	1-1/2	55/64	5/8
1/2	BLPS1212	1-1/2	55/64	3/4
9/16	BLPS12916	1-1/2	55/64	13/16
5/8	BLPS1258	1-1/2	29/32	29/32
11/16	BLPS121116	1-1/2	31/32	31/32
3/4	BLPS1234	1-1/2	1-1/16	1-1/16
13/16	BLPS121316	1-1/2	1-1/8	1-1/8
7/8	BLPS1278	1-5/8	1-11/64	1-11/64
15/16	BLPS121516	1-5/8	1-1/4	1-1/4
1	BLPS121	1-5/8	1-21/64	1-21/64
1-1/16	BLPSB121116	1-3/4	1-13/32	1-13/32
1-1/8	BLPSB12118	1-3/4	1-1/2	1-1/2
1-3/16	BLPSB121316	1-3/4	1-9/16	1-9/16
1-1/4	BLPSB12114	1-3/4	1-21/32	1-21/32



BLPTE1220



★ TORX®/ External, Chrome (Blue-Point®)

#	Stock No.	A	B	C
E18	BLPTE1218	1-9/16	7/8	7/8
E20	BLPTE1220	1-9/16	29/32	29/32
E22	BLPTE1222	1-9/16	1	1
E24	BLPTE1224	1-9/16	1-1/8	1-1/8

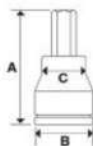
TORX® BIT SOCKETS Blue Point®



BLPTL1255



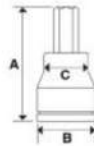
BLPT1255



BLPT1255TP



BLPTL1255TP



TORX®/ Standard (Blue-Point®)

	#	Stock No.	A	B	C
Standard	T55	BLPT1255	2-23/64	7/8	23/32
	T60	BLPT1260	2-23/64	7/8	25/32
Long	T55	BLPTL1255	4-15/64	7/8	23/32
	T60	BLPTL1260	4-15/64	7/8	25/32

★ TORX®/ Tamper-Resistant, Chrome (Blue-Point®) (□ □)

	#	Stock No.	A	B	C
Standard	T55	BLPT1255TP	2-23/64	7/8	23/32
	T60	BLPT1260TP	2-23/64	7/8	25/32
Long	T55	BLPTL1255TP	4-15/64	7/8	23/32
	T60	BLPTL1260TP	4-15/64	7/8	25/32



## HEX BIT SOCKETS Blue Point®

1/2" DRIVE TOOLS

Hex/Standard, mm,  
Chrome (Blue-Point®) (1/2")



Hex/Standard, Inches,  
Chrome (Blue-Point®) (1/2")



mm		A	B	C
10	BLPH1210	60	22.5	18
14	BLPH1214	61	25	25
17	BLPH1217	61	28	28
19	BLPH1219	61	30	30
12	BLPHM1212	60	22.5	20

		A	B	C
1/2	BLPH1212	2-13/32	7/8	25/32
3/4	BLPH1234	2-13/32	1-3/16	1-3/16
5/8	BLPH1258	2-13/32	1-1/16	1-1/16
7/16	BLPH12716	2-13/32	7/8	25/32
9/16	BLPH12916	2-13/32	1	1

## COMBINATION BIT SOCKET SETS Blue Point®

### Combination Bit Socket Sets (Blue-Point®)

BLPTSSC pc Combination Drive TORX® Socket and TORX® Bit Socket Set (Blue-Point®)

- 1/2" drive components include ( ) External Sockets (E-E), ( ) Tamper-Resistant TORX® Bit Sockets (T-T) and ( ) Tamper-Resistant TORX® Long Bit Sockets (L-T)
- 3/4" drive components include: ( ) External TORX® Sockets (E-E), ( ) Tamper-Resistant TORX® Bit Sockets (T-T and T-T) and ( ) Tamper-Resistant TORX® Long Bit Sockets (L-T, L-T and L-T)
- 5/8" drive components include: ( ) External TORX® Sockets (E-E), ( ) Tamper-Resistant TORX® Bit Sockets (T-T and T-T) and ( ) Tamper-Resistant TORX® Long Bit Sockets (L-T and L-T)
- Includes storage case



BLPTSSC43

BLPHSSC pc Combination Drive Hex Bit Socket Set (Blue-Point®)

- 1/2" drive components include ( ) SAE Hex Bit Sockets (1/2-1/2") and ( ) Metric Hex Bit Sockets (10-10 mm)
- 3/4" drive components include ( ) SAE Hex Bit Sockets (3/4-3/4") and ( ) Metric Hex Bit Sockets (15-15 mm)
- 5/8" drive components include ( ) SAE Hex Bit Sockets (5/8-5/8") and ( ) Metric Hex Bit Sockets (16-16 mm)
- Includes storage case



BLPHSSC30

BLPHSSC PB Case for BLPHSSC (Blue-Point®)

- Case only

BLPTHC pc TORX® and Hex Bit Socket Set (Blue-Point®)

- 1/2" drive components include ( ) External TORX® Sockets (E-E), ( ) TORX® Bit Sockets (T-T), ( ) Long TORX® Bit Sockets (L-T), ( ) Metric Hex Bit Sockets (10-10 mm), ( ) Long Metric Hex Bit Sockets (15-15 mm), ( ) Hex Bit Sockets (1/2-1/2") and ( ) Long Hex Bit Sockets (1/2-1/2")
- 3/4" drive components include ( ) External TORX® Sockets (E-E), ( ) TORX® Bit Sockets (T-T), ( ) Long TORX® Bit Sockets (L-T), ( ) Metric Hex Bit Sockets (15-15 mm), ( ) Long Metric Hex Bit Sockets (20-20 mm), ( ) Hex Bit Sockets (3/4-3/4") and ( ) Long Hex Bit Sockets (3/4-3/4")
- 5/8" drive components include ( ) External TORX® Sockets (E-E), ( ) TORX® Bit Sockets (T-T), ( ) Long TORX® Bit Sockets (L-T), ( ) Metric Hex Bit Sockets (16-16 mm) and ( ) Hex Bit Sockets (5/8-5/8")
- Includes storage case



BLPTHC87

## GENERAL SERVICE SETS

### General Service Set (Blue-Point®) (1/2")

- Great for use at home or on the road
- Set offers full range of deep and shallow sockets for the most common fastener applications
- Smallest and most compact general service set offered yet
- Compact case fits in a shallow Snap-on® tool box drawer

BLPGSS pc 1/2" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes ( ) SAE (1/2-1/2") ( ) Metric (10-10 mm) Standard Sockets, Breaker Bar, Universal Joint, Quick-Release Ratchet and ( ) Extensions (1, 2 and 3")
- Includes storage case



BLPGSS1233



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4