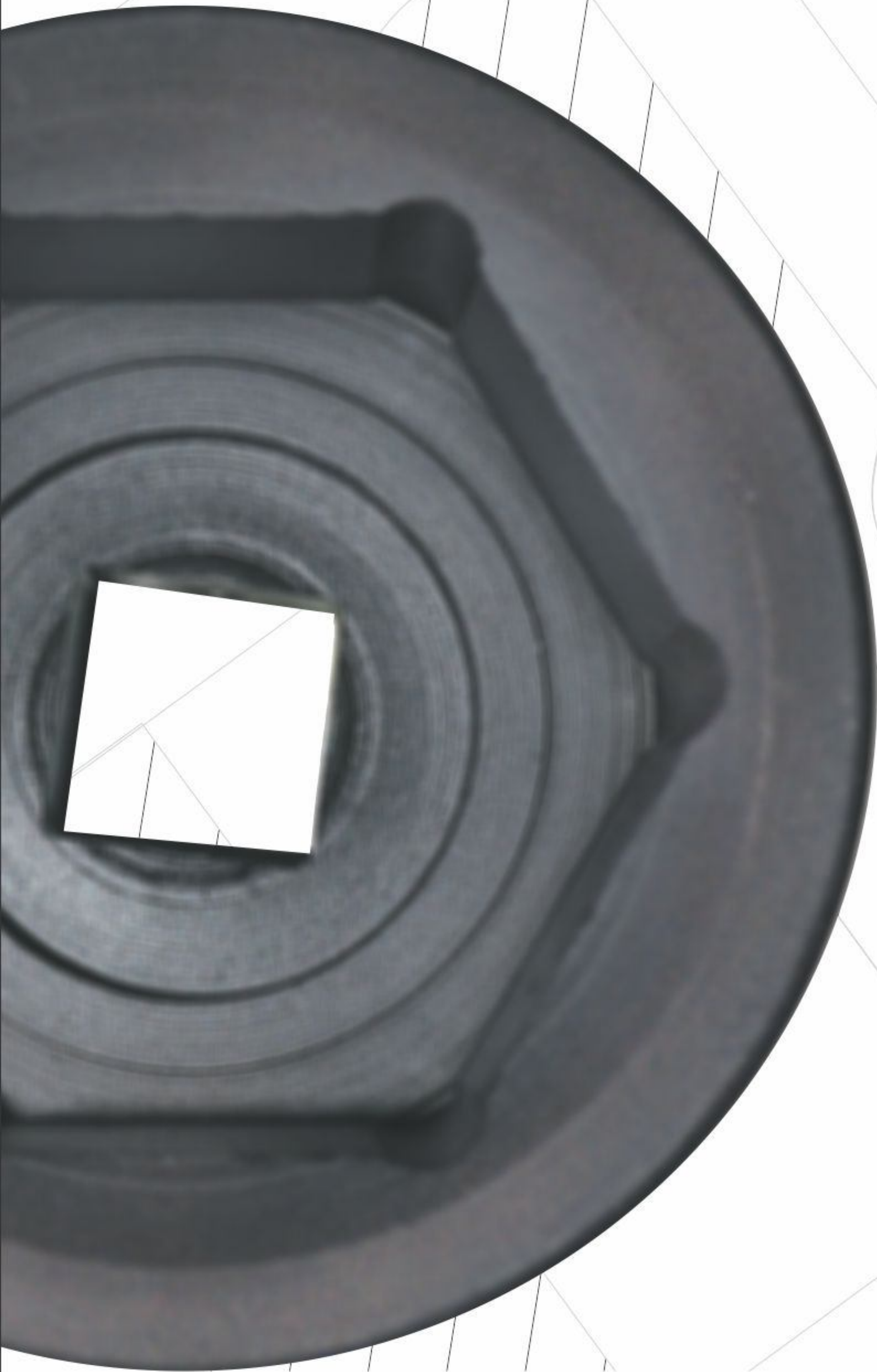


D2

**TRITORC**  
B O L T O N T R U S T



# **IMPACT SOCKETS & ACCESSORIES**

You size it, We torque it

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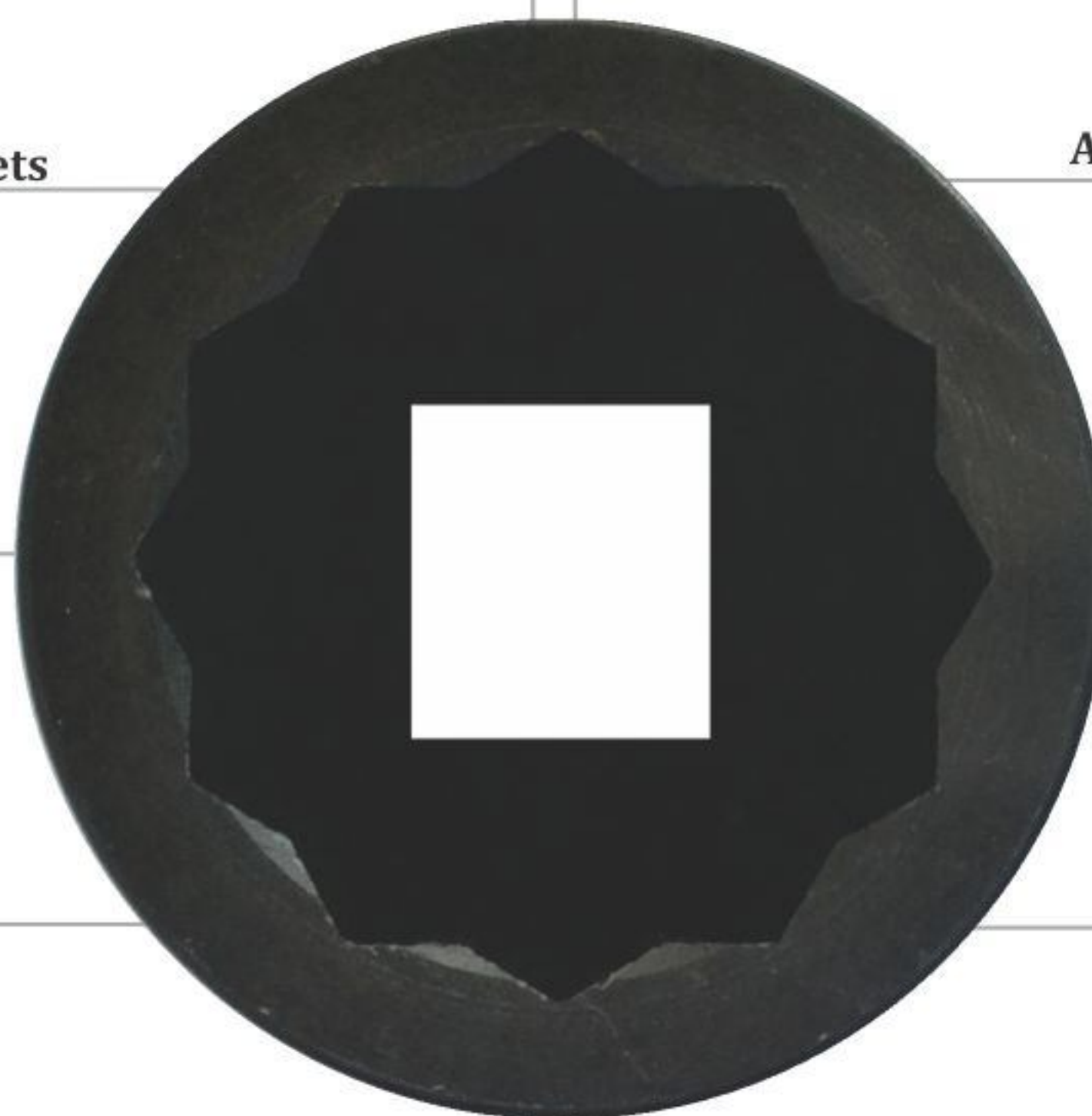
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## Quality, Service and Innovation:

TRITORC is one of the leading tool manufacturers and is an expert in specialized tools and torque tools.

We are looking back to a long tradition in producing high quality tools. We are partners in a range of over 1000 tool equipments.

Our innovative systems backed with modern technology and an experience of more than 2 decades in the industry has allowed us to satisfy over thousands of customers in both national and international markets.

Our products are known for their superior quality, durability, robustness and flawless finish, which make them perfect to be used in a number of industrial applications in various sectors such as automobile industry, thermal power plants, petrochemicals, oil Industry, cement plants and construction, to name a few.

## Accepting Challenges:

Customer satisfaction, service and flexibility are not only a slogan for us. We with our superior management skills and highly motivated team of experts, always deliver the best to our customers in terms of service and quality.

We accept challenges when provided an opportunity and deliver the best to reach all the individual requirements to fulfill our customer needs.

## You size it, we torque it:

We at Tritorc not only say but implement what we convey. We provide a wide range of Impact Sockets which will fit to any size nut or bolt. We provide specialized sockets such as Castellated sockets, Stack sockets, Ergo Sockets, BUD wheel Sockets, Bearing Nut Sockets, Stud Runner Sockets and many more. The Specifications and details are provided in this catalog.

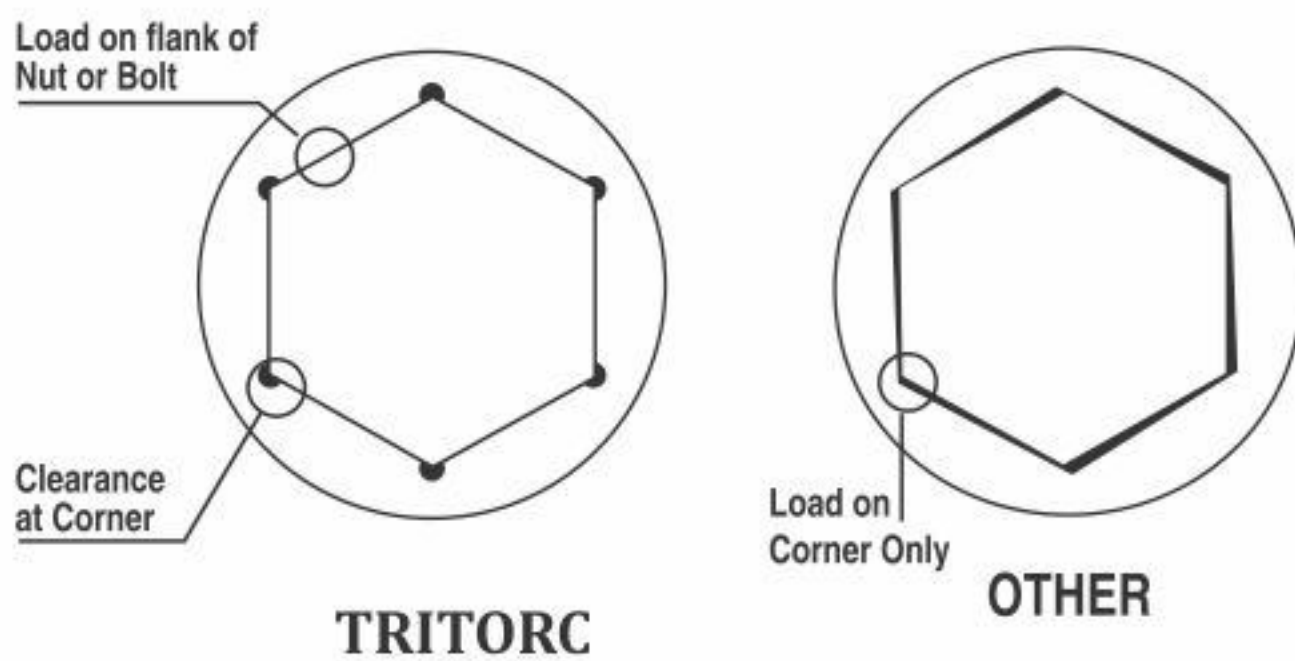
## What makes Tritorc different...!

Tritorc focus on continual research and development to ensure that our impact tools and accessories are always ahead of the field. Our motive is to surpass our own high standards. Our material are finest, high grade alloy steel as base material. We believe in investing in state of the art CNC machine tools involving the most advanced technology keeping minimum tolerance for better results. The quality system in place are under constant re-assessment which at present remains the best we know.

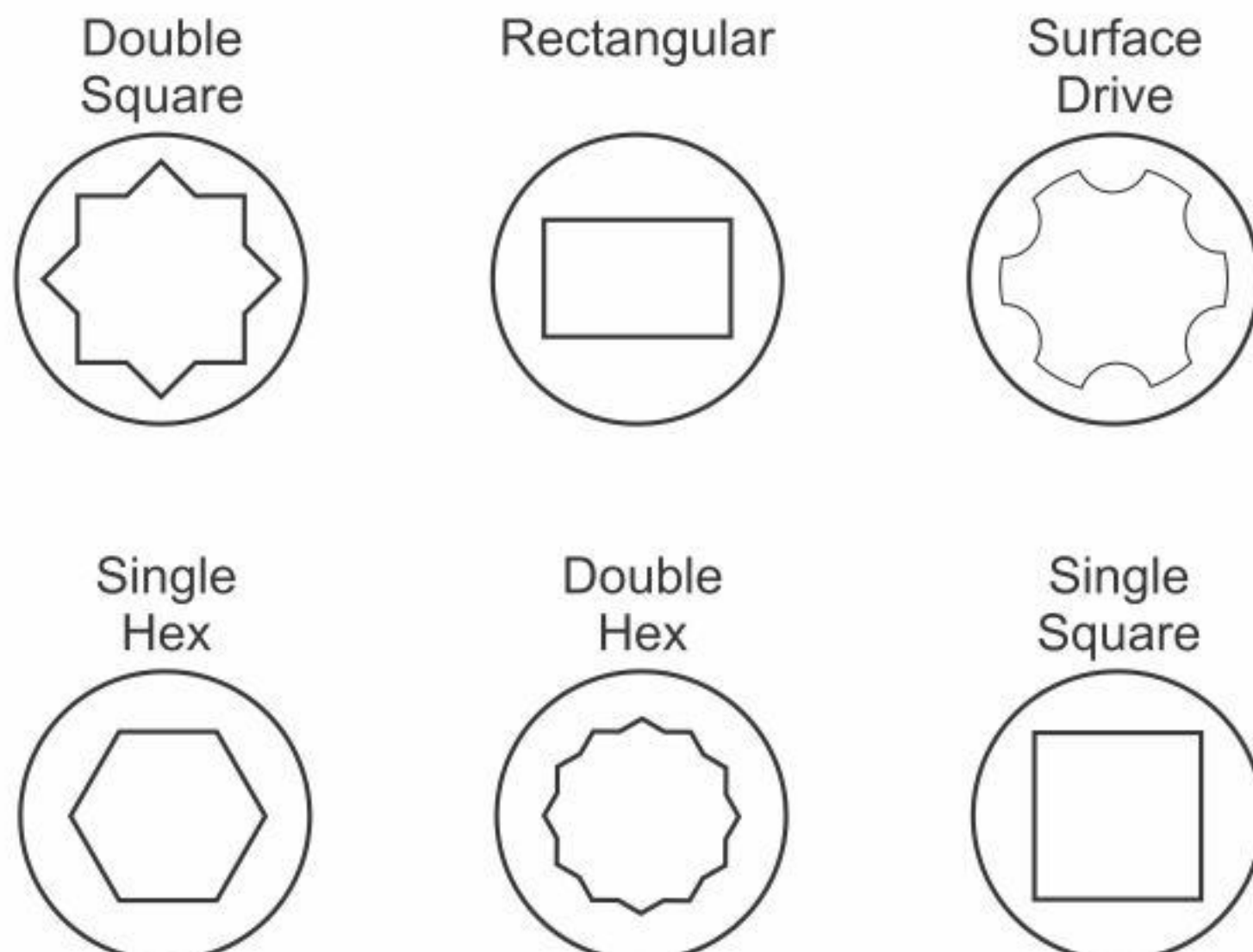
### LIFETIME WARRANTEE

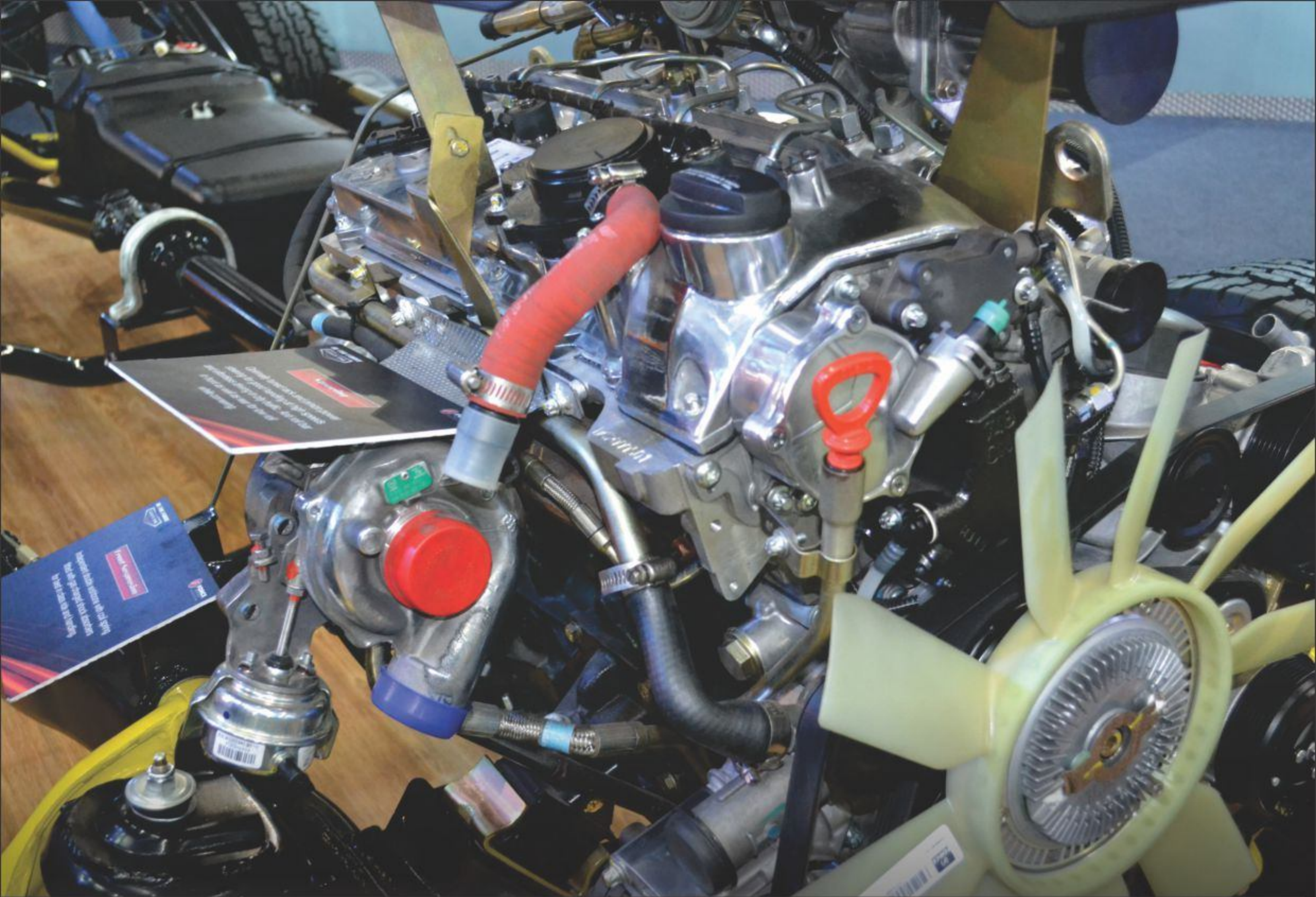
We provide a lifetime Warrantee on all Impact Sockets.

## TRITORC VS. OTHER SOCKETS

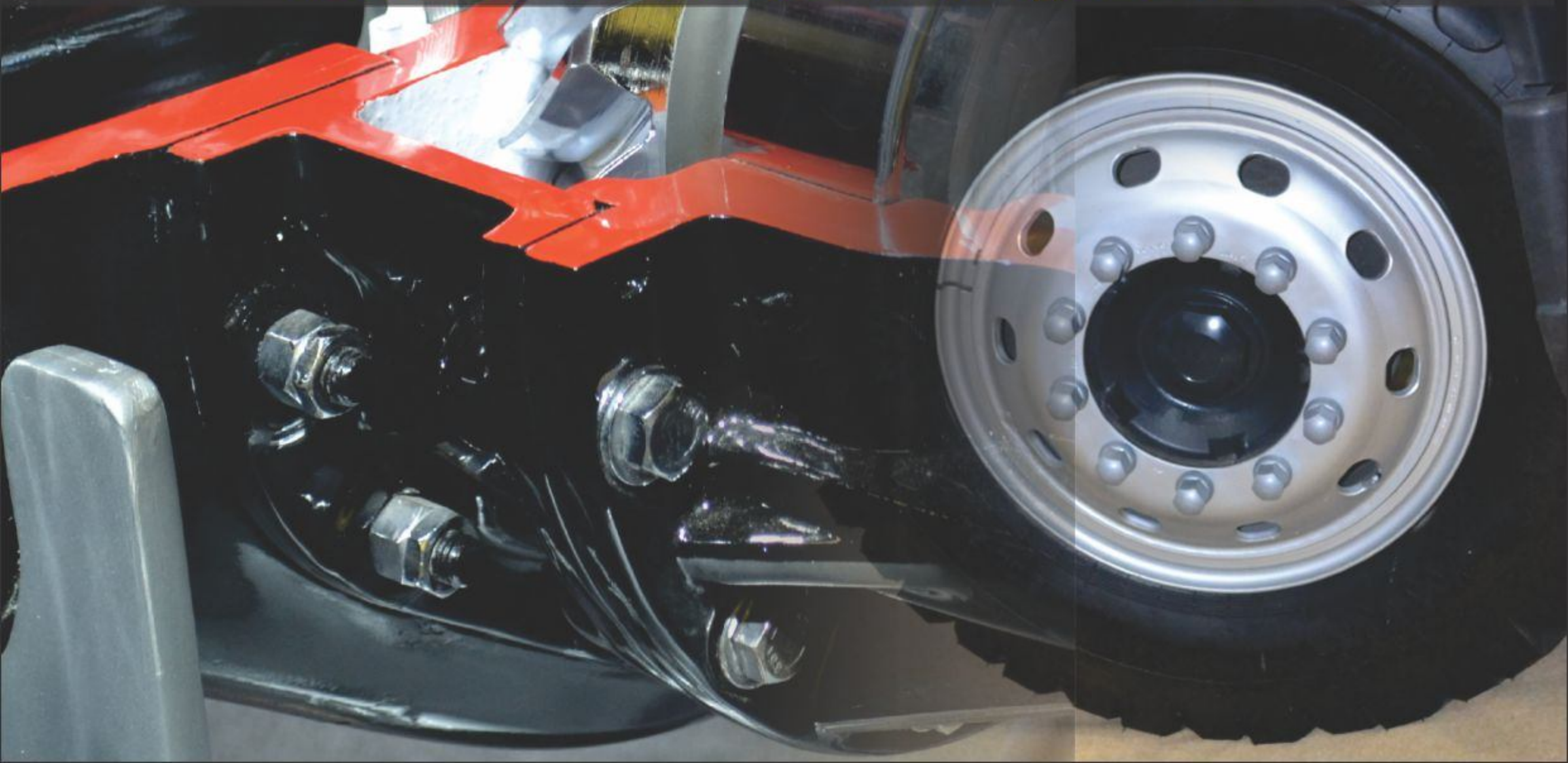


## VARIOUS OPENING TYPES AVAILABLE





# **Impact Sockets & Accessories for Automotive Purpose**



### Magnetic sockets:

Magnetic sockets are generally used for automotive applications. These magnetic sockets feature a spring loaded magnet that retracts into the socket for extended bolt applications. These sockets are available in both standard and long type of sockets. The size ranges from 1/4" to 1/2" square drive and the across flat size varies from 8mm to 25mm.

### Surface drive Sockets:

Surface drive impact sockets are specially designed with a hex opening that allows for quick engagement of fastener. The use of surface drive sockets is ideal for assembly operations. Generally these types of sockets are used in automotive industries. Sizes ranges from 3/8", 1/2", 3/4", 1" for the driver end and for the driven unit the sizes range from 8mm to 36mm depending upon driver size and type of socket Surface drive sockets are available in two types standard and deep.

### Torx drive Sockets:

External Torx headed screws, bolts or nuts which are found in an automobile engine or transmission system requires a Torx Drive socket. We at Tritorc manufacture heavy duty impact Torx drive sockets which are used for loosening and tightening of such screws, bolts or nuts.

### Nut Runners:

This tool is designed for operation with a pneumatic screw drivers. Nut runners has a male hex drive on one end which fits into the female hex shank of the pneumatic screw driver and on the other end is a single hex socket. The range covers 1/4" and 5/16" hex drive for nut sizes ranging from 8mm to 13mm in three lengths i.e. 75mm; 100mm and 150mm.

### Hex Bits Impact Sockets:

Hex bits are used for specialized operations in automobile industries. They are used in conjunction with other impact tools, for fastening alien head or socket head bolts.

Hex bits are available in driver size ranging from 3/8" to 1.1/2" and driven size ranging from 3mm to 50mm depending upon the driver size and type of socket.

### Ergo Drive Sockets:

Ergo drive sockets are used for specialized applications in automobile industry where the fasteners are in contact with highly sensitive surfaces where scratches and vibrations are not at all tolerated. The sizes range from 3/8", 1/2" and 1" for driver end. These sockets are available in various lengths

standard, long and extra long for different applications.

### Stud Runners:

Square Drive Range- 3/8" to 1"  
Thread Size : M4 - M 48  
: 3/16" - 2"

### Universal Sockets:

Universal Sockets are available in 3/8" and 1/2" square drive. The A/F ranges from 10mm to 33mm for different square drives. The length of the sockets also varies from 62mm to 156mm depending upon the square drive and A/F sizes.

### Torsion Bars:

Torsion Bars are available in 1/2" and 1" square drive. Depending upon the torque capacity the colors of the

torsion bars vary as under:

A/F mm	COLOR	MAX TORQUE CAPACITY (N-m)
17	BROWN	75.0
17	GREEN	95.0
17	CREAM	110.0
19	BLUE	75.0
19	YELLOW	90.0
19	LIGHT BLUE	110.0
19	RED	135.0
21	BLACK	80.0
21	WHITE	110.0

### 5 # Splined Sockets & Accessories:

5 Splined sockets are specialized sockets used in automotive applications. The A/F sizes ranges from 19mm to 80mm. 5# Splined sockets require specialized 5# accessories like  
5# universal joint  
5# male Adapter  
5# female adapter  
5# extension bar.

### Bud Wheel Sockets:

Available in square drives 3/4" and 1". Also available in 5# splined. A/F ranges from 20mm to 98mm. Bud wheel sockets are available in both standard and long length.

### Bearing Nut Sockets:

Bearing nut sockets are available in square drive sizes of 3/8", 1/2", 3/4" and 1". They are also available in the A/F sizes of 22mm-145mm

Lug nut sockets are available in A/F sizes ranging from 17mm-26m

**Tritorc Impact sockets** are designed for professional tool users. They are engineered specifically for use with impact tools using the most up to date industrial specifications.

Impact sockets are made with thicker walls and tempered to a lower hardness so as not to shatter under the impacts. They are typically finished in black oxide rather than the chrome plating typical of the hand-tool variety. Hand-tool sockets should never be used with impact wrenches as they will shatter.

Since impact sockets are used in demanding applications, impact sockets are designed to sustain the impacts. Look inside the square drive hole for a mark in the metal that looks like it's been gouged with a fingernail. This indicates that the drive has been formed by pushing a rod through the metal during the forging process, resulting in a stronger surface. Check where the six inside walls of the socket meet. Rounded corners let the walls of the socket grip a bolt, rather than the weaker edges. Inner walls that meet at sharp points are likely to crack under heavy use.

Impact sockets are available in different sizes and types. A few common types that are used are as under:

1. **6 Point Standard Impact Sockets**
2. **6 Point Deep Impact Sockets**
3. **12 Point Standard Impact Sockets**
4. **12 Point Deep Impact Sockets**
5. **4 Point Standard**
6. **8 Point Standard**
7. **Thin Wall Impact Sockets -Standard**
8. **Thin Wall Impact Sockets-Deep**

Sizes range from 1/4", 3/8", 1/2", 3/4", 1", 1.1/2", 2.1/2", 3.1/2" for the driver end and for the driven unit the sizes range from 5mm to 150mm depending upon driver size and type of socket.

## ACCESSORIES:

**Extensions bars** sometimes called "extender arms", attach to a socket on one end and a ratchet on the other end of the extension. These "extend" the length of the socket and allow access to nuts or bolts that are difficult to reach.

**Universal joints** are two articulated socket joints (about 1" long) combined at a right angle that allow a bend in the turning axis of the wrench socket. They are used with extensions and ratchets for turning a bolt or nut at a difficult to access location.

**Adapters** allow sockets of one drive size to be used with another ratchet drive size. They consist of the following type

Driver Unit	Driven Unit
Male	Female
Female	Female
Male	Male

- **Ratchet Handle** allows the socket to be twisted by twisting the Ratchet handle around the handle axis. It requires less than 1 degree arc swing to rotate socket-ideal for very tight spaces.

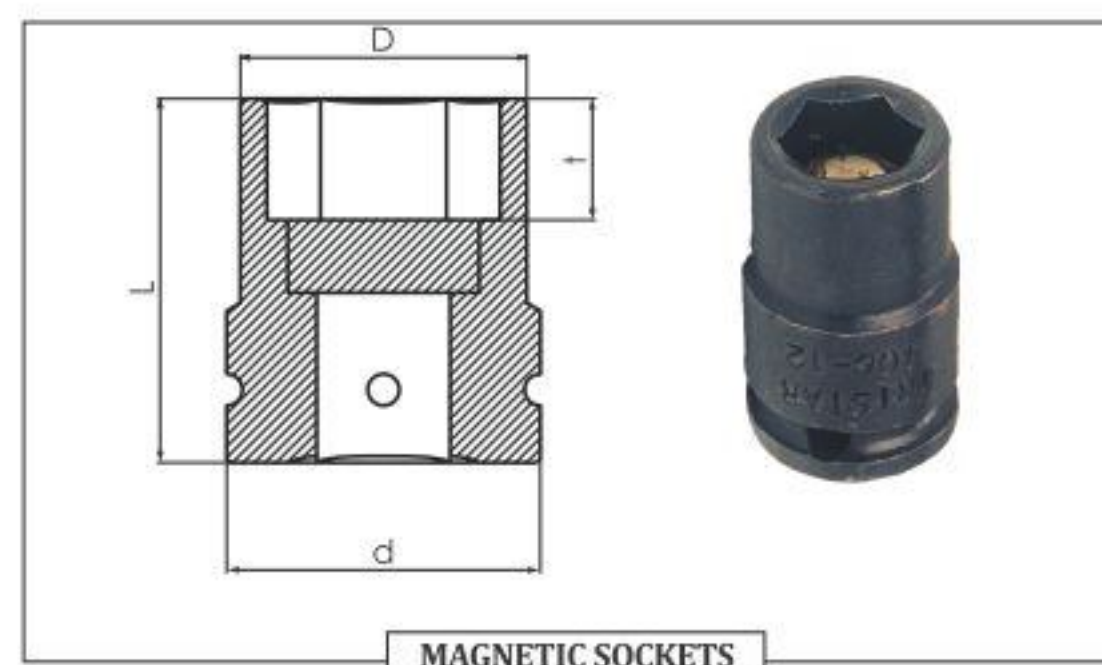
- **Swivel handle** ratchets are socket wrenches in which the drive head pivots or swivels back and forth on the handle, to allow the socket handle movement to avoid obstructions when being turned in a cramped space. Some ratchet heads swivel the whole ratchet head.

- **Sliding T-Handle** Sizes range from 3/8", 1/2", 1", 1.1/2", 2.1/2", 3.1/2" for the driver end and for the driven unit the sizes range from 5mm to 150mm depending upon driver size and type of socket.

- **L Handle** sizes range from 1/4" square drive to 1" square drive and length varies from 125mm to 600mm

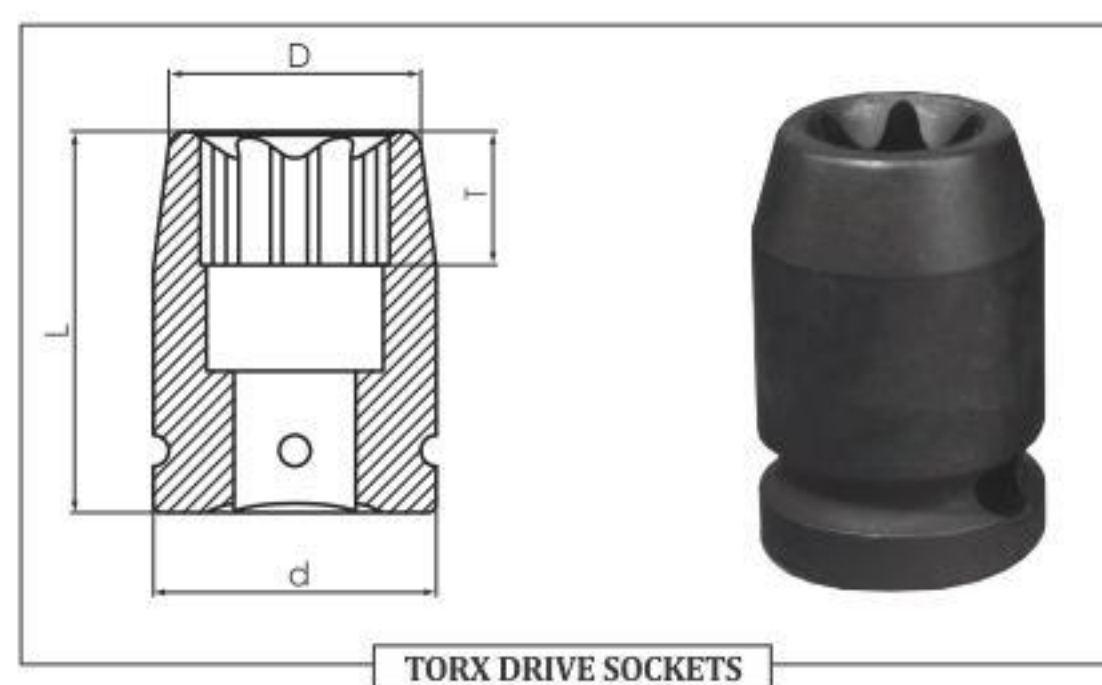
## MAGNETIC SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	t mm	Weight kg
TM15	5.5	9.5	13	25	2	0.02
TM16	6	10.1	13	25	2.5	0.02
TM17	7	11.4	13	25	2.5	0.02
TM18	8	12.6	13	25	3	0.02
TM19	9	13.9	13	25	3	0.02
TM110	10	15.1	13	25	5	0.02
TM111	11	16.4	13	25	5	0.02
TM112	12	17.6	13	25	5	0.03
TM113	13	18.9	13	25	5	0.03



## TORX DRIVE SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	t mm	Weight kg
TX14	4	6.6	13	25	3.5	0.01
TX15	5	7.7	13	25	4	0.01
TX16	6	8.7	13	25	4	0.01
TX17	7	9	13	25	5	0.01
TX18	8	9.7	13	25	6	0.01
TX110	10	13	13	25	6.5	0.01



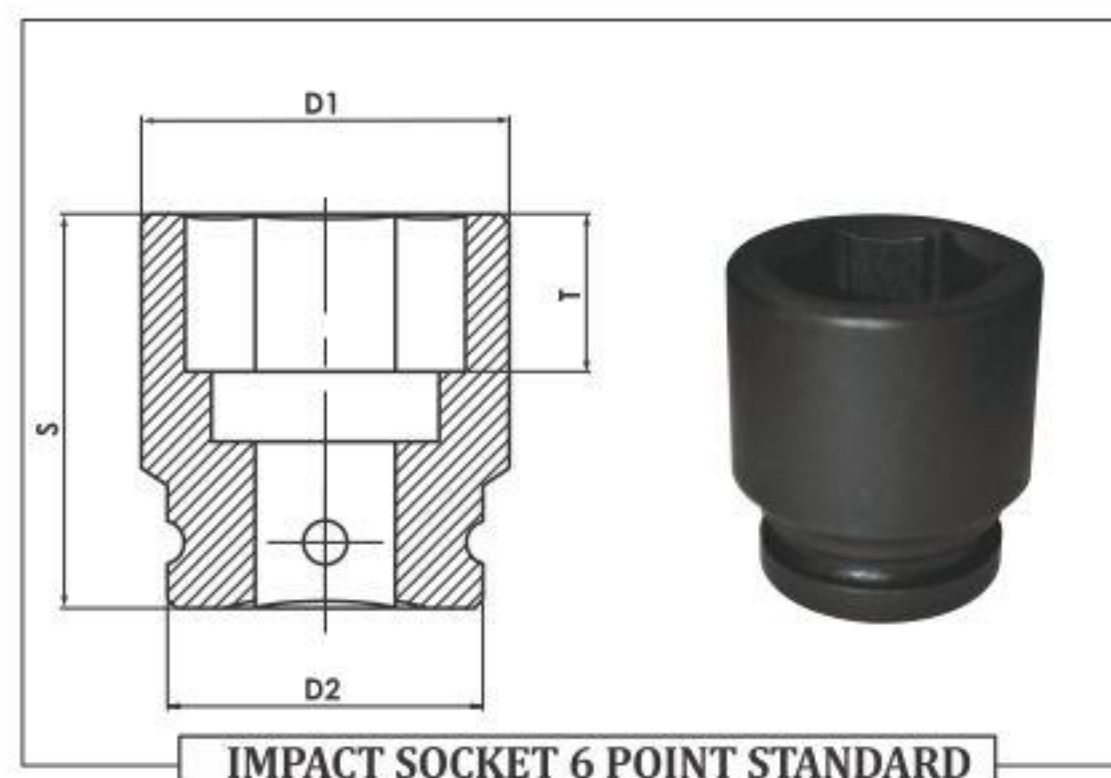
## NUT SETTERS / RUNNERS

PART NO.	Hex Drive	Across Flat	Socket Nose Dia (mm)	OAL (mm)
TNR - 16	1/4"	6	11.0	75
TNR - 16L	1/4"	6	11.0	100
TNR - 16X	1/4"	6	11.0	150
TNR - 17	1/4"	7	12.0	75
TNR - 17L	1/4"	7	12.0	100
TNR - 17X	1/4"	7	12.0	150
TNR - 18	1/4"	8	13.0	75
TNR - 18L	1/4"	8	13.0	100
TNR - 18X	1/4"	8	13.0	150
TNR - 19	1/4"	9	15.0	75
TNR - 19L	1/4"	9	15.0	100
TNR - 19X	1/4"	9	15.0	150
TNR - 110	1/4"	10	16.0	75
TNR - 110L	1/4"	10	16.0	100
TNR - 110X	1/4"	10	16.0	150
TNR - 111	1/4"	11	17.5	75
TNR - 111L	1/4"	11	17.5	100
TNR - 111X	1/4"	11	17.5	150
TNR - 112	1/4"	12	18.5	75
TNR - 112L	1/4"	12	18.5	100
TNR - 112X	1/4"	12	18.5	175
TNR - 113	1/4"	13	19.5	75
TNR - 113L	1/4"	13	19.5	100
TNR - 113X	1/4"	13	19.5	150
TNR - 114	1/4"	14	20.5	75
TNR - 114L	1/4"	14	20.5	100



## IMPACT SOCKET 6 POINT STANDARD

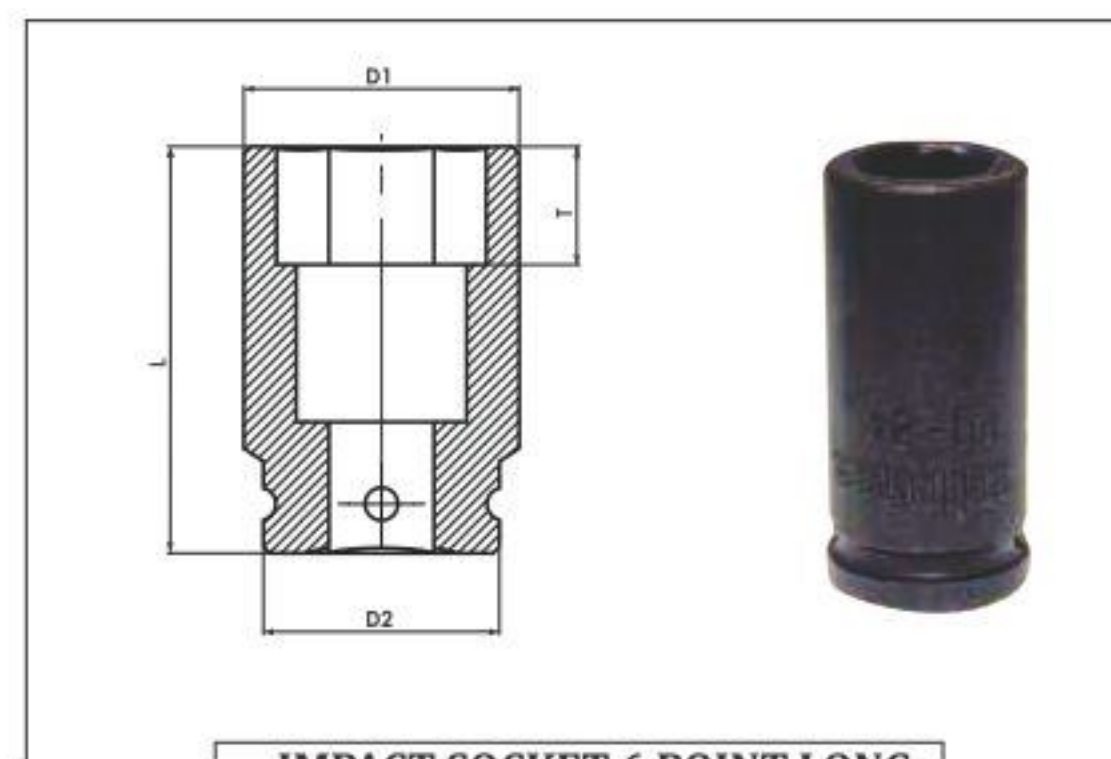
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI104	4		7.6	13	23	10	14.0
TI104F		3/16"	8.5	13	23	10	14.0
TI105	5		8.8	13	23	10	14.0
TI105F		7/32"	9.5	13	23	10	14.0
TI106	6		10.0	13	23	10	14.0
TI106F		1/4"	10.3	13	23	10	14.0
TI107	7		11.3	13	23	10	14.0
TI107F		9/32"	11.3	13	23	10	14.0
TI108F		5/16"	12.5	13	23	10	14.0
TI108	8		12.5	13	23	10	14.0
TI109F		11/32"	13.8	13	23	10	15.0
TI109	9		13.8	13	23	10	15.0
TI110F		3/8"	15.0	13	23	10	15.0
TI110	10		15.0	13	23	10	15.0
TI111	11		16.3	13	23	10	18.0
TI111F		7/16"	16.3	13	23	10	18.0
TI112	12		17.0	13	23	12	19.0
TI112F		1/2"	18.8	13	23	12	19.0
TI113	13		18.8	13	23	12	19.0
TI114	14		20.0	13	23	13	22.0
TI114F		9/16"	20.0	13	23	13	22.0
TI115	15		21.0	13	23	13	23.0



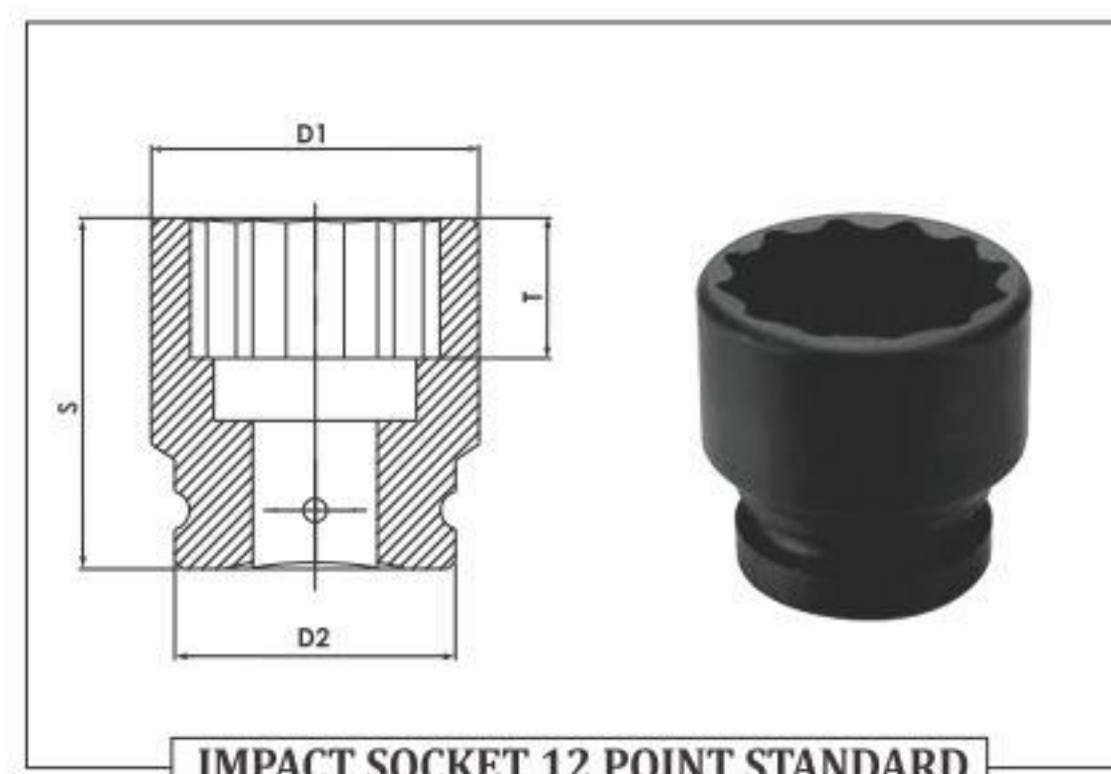
IMPACT SOCKET 6 POINT STANDARD

## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL104	4		7.6	13	50	10	29.0
TIL104F		3/16"	8.5	13	50	10	29.0
TIL105	5		8.8	13	50	10	29.0
TIL105F		7/32"	9.5	13	50	10	29.0
TIL106	6		10.0	13	50	10	29.0
TIL106F		1/4"	10.3	13	50	10	29.0
TIL107	7		11.3	13	50	10	29.0
TIL107F		9/32"	11.3	13	50	10	29.0
TIL108F		5/16"	12.5	13	50	10	29.0
TIL108	8		12.5	13	50	10	29.0
TIL109F		11/32"	13.8	13	50	10	31.0
TIL109	9		13.8	13	50	10	31.0
TIL110F		3/8"	15.0	13	50	10	31.0
TIL110	10		15.0	13	50	10	31.0
TIL111	11		16.3	13	50	10	37.0
TIL111F		7/16"	16.3	13	50	10	37.0
TIL112	12		17.0	13	50	12	39.0
TIL112F		1/2"	18.8	13	50	12	39.0
TIL113	13		18.8	13	50	12	39.0
TIL114	14		20.0	13	50	13	45.0
TIL114F		9/16"	20.0	13	50	13	45.0
TIL115	15		21.0	13	50	13	45.0



IMPACT SOCKET 6 POINT LONG



IMPACT SOCKET 12 POINT STANDARD

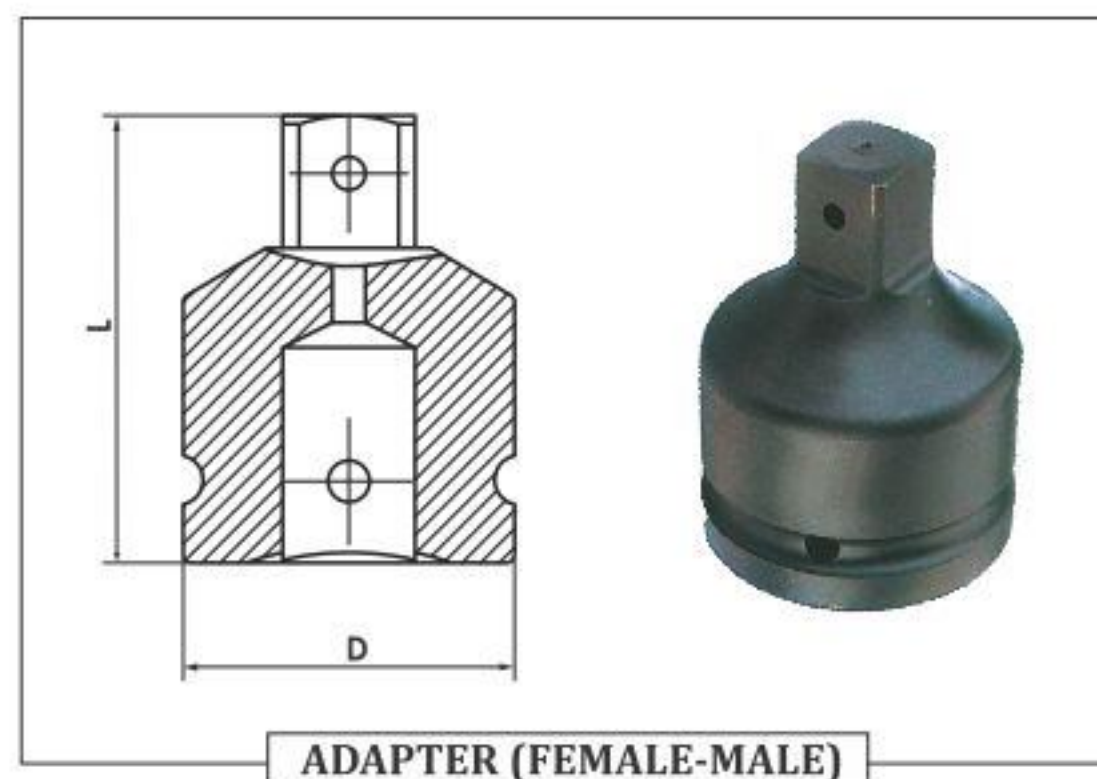
**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

Automotive Purpose



## ADAPTER ( FEMALE- MALE)

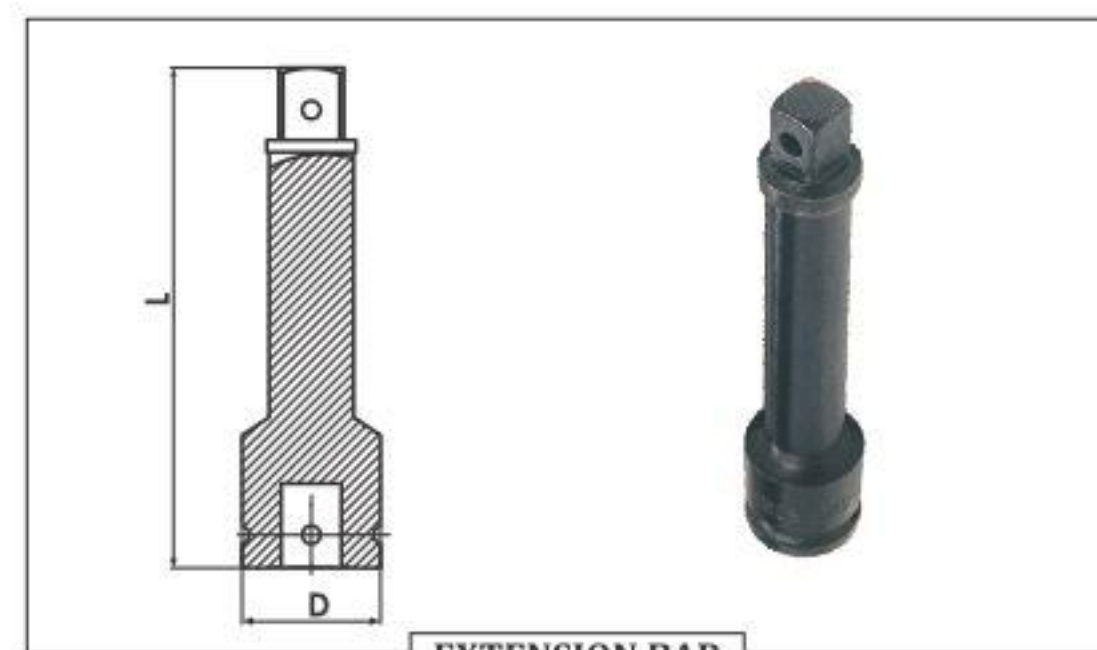
Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA101	1/4"D	1/4"	3/8"	17	27	35



ADAPTER (FEMALE-MALE)

## EXTENSION BAR

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TAE102		1/4"	1/4"	17	55	85
TAE103	1/4"D	1/4"	1/4"	17	100	285
TAE104		1/4"	1/4"	17	150	550



EXTENSION BAR

## ACCESSORIES (MANUAL)

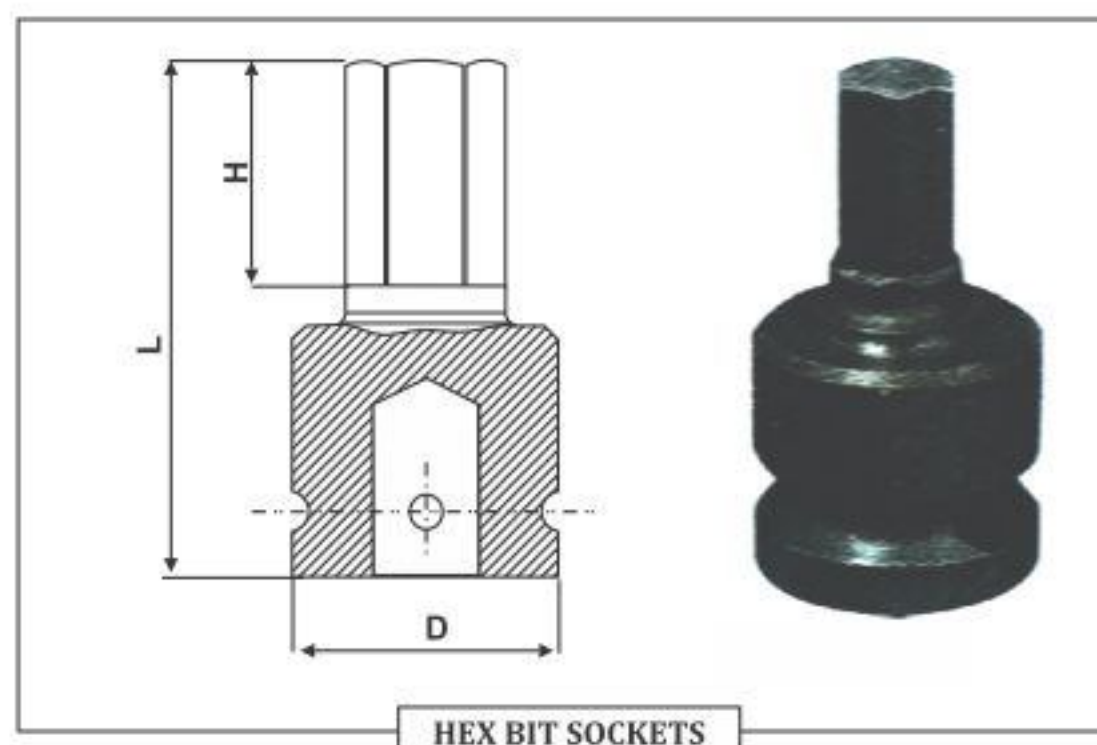
Part No.	TYPE	Description	Overall Length
TSB-1	1/4"D	Sliding T-Handle	150
TSH-1		Swivel Handle	150
TAH-1		L-Handle	125
TRR-1		Ratchet Handle	110



ACCESSORIES

## IMPACT HEX BIT SOCKETS

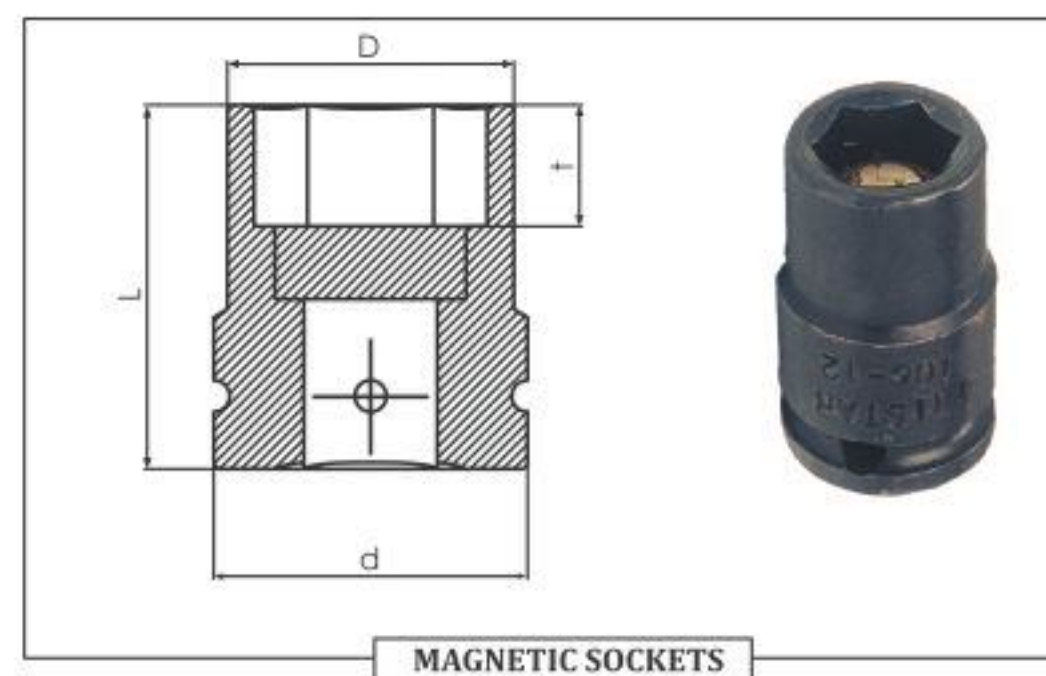
PART NO.	A/F Inch	A/F mm	L (mm)	H (mm)
TH13		3	41	15
TH13F	1/8"		41	15
TH14		4	41	15
TH14F	5/32"		41	15
TH15		5	43	20
TH15F	3/16"	-	43	20
TH16F	7/32"		43	20
TH16		7	45	25
TH17F	1/4"		45	25



HEX BIT SOCKETS

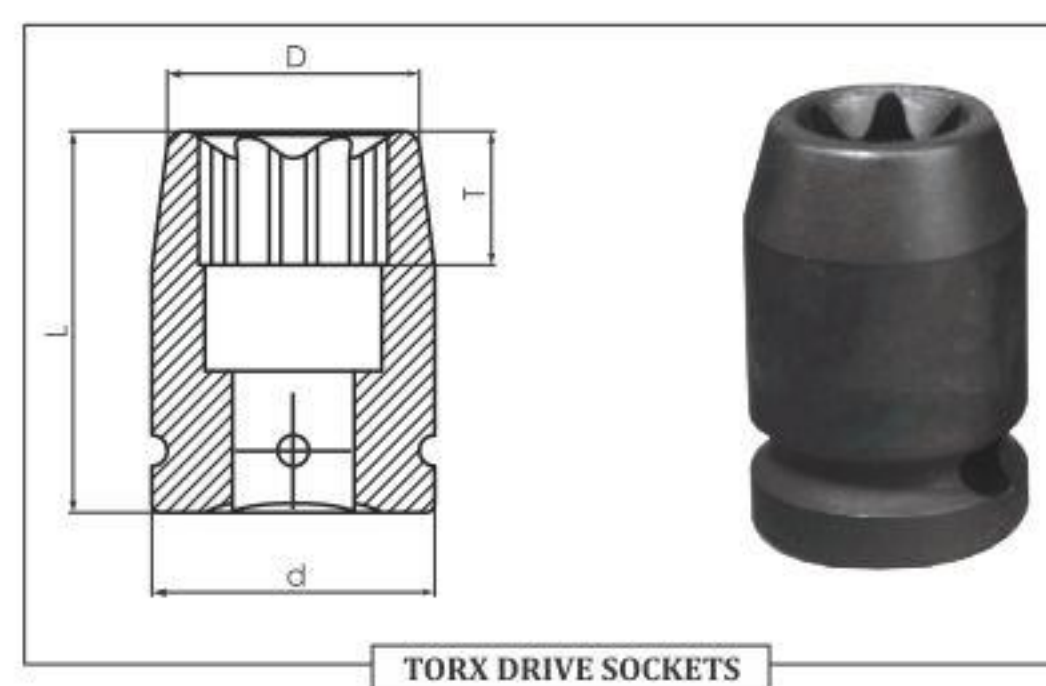
## MAGNETIC SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	t mm	Weight kg
TM28	8	13.5	19	34	3	0.05
TM210	10	16	19	34	5	0.05
TM211	11	17.2	19	34	5	0.05
TM212	12	18.5	19	34	5	0.05
TM213	13	19.8	22	34	5	0.06
TM214	14	21	22	34	7	0.07
TM216	16	23.8	22	34	8	0.07



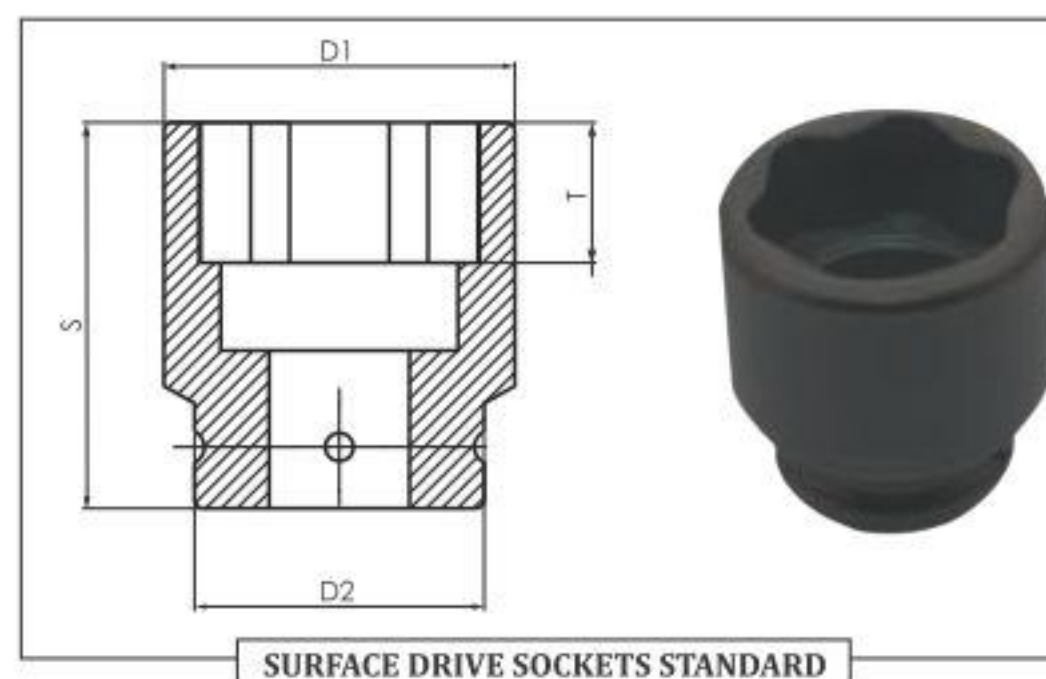
## TORX DRIVE SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
TX26	6	10.7	19	34	4.5	0.04
TX27	7	11.2	19	34	5.5	0.04
TX28	8	11.7	19	34	6.5	0.04
TX210	10	12.2	19	34	7	0.04
TX212	12	14.2	19	34	8.5	0.04
TX214	14	17.2	19	34	9.5	0.04



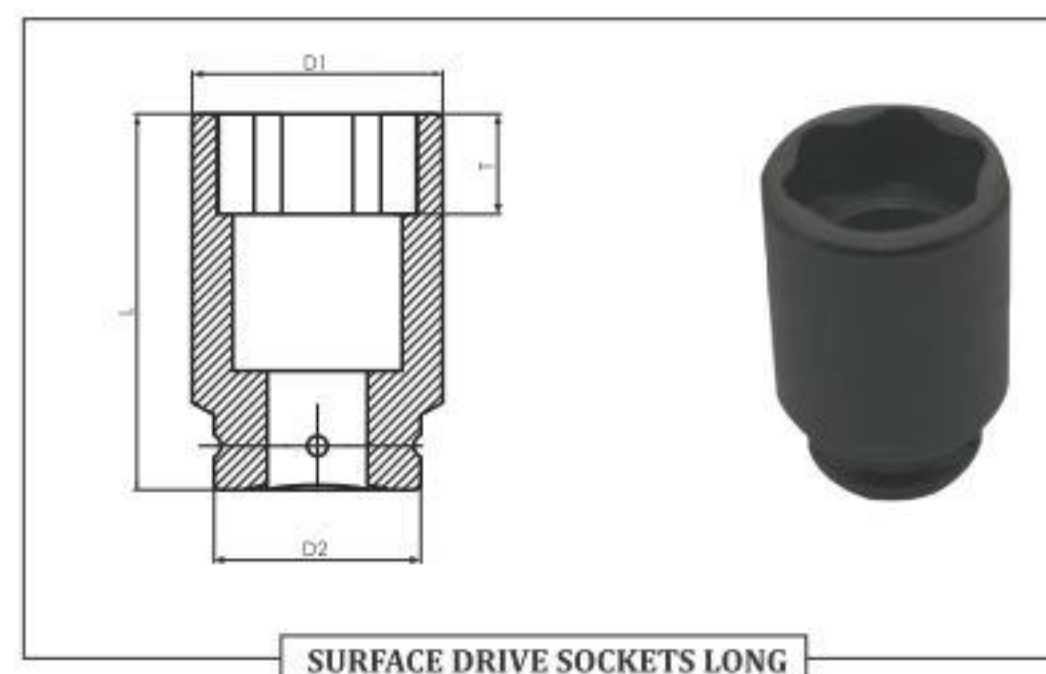
## SURFACE DRIVE SOCKETS STANDARD

PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	t mm	Weight kg
TS28	8	13.5	19	34	5	22	0.04
TS210	10	16	19	34	7	22	0.04
TS211	11	17.2	19	34	7	22	0.04
TS212	12	18.5	19	34	8	22	0.04
TS213	13	19.8	22	34	8	22	0.06
TS214	14	21	22	34	10	22	0.06
TS215	15	22.5	22	34	10	22	0.06
TS216	16	23.8	22	34	10	22	0.06
TS217	17	25	22	34	10	22	0.07
TS218	18	26	22	34	11	22	0.07
TS219	19	27.5	22	34	11	22	0.07
TS221	21	29.5	27	34	12	21	0.08
TS222	22	31	27	34	12	21	0.08



## SURFACE DRIVE SOCKETS LONG

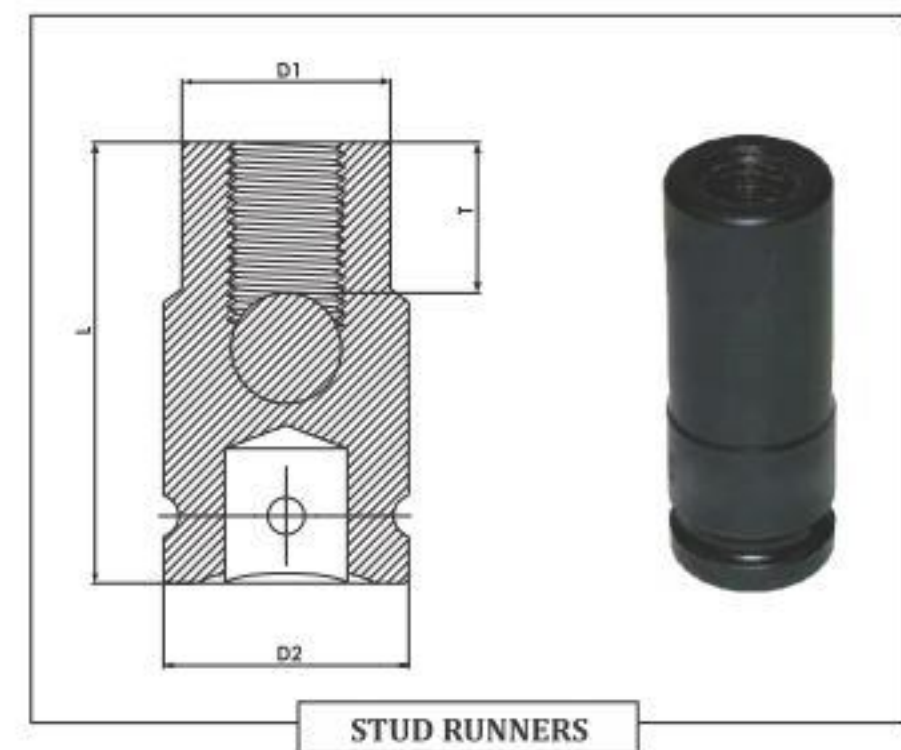
PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	t mm	Weight kg
TSL28	8	13.5	19	57	5	45	0.06
TSL210	10	16	19	57	7	45	0.07
TSL211	11	17.2	19	57	7	45	0.08
TSL12	12	18.5	19	57	8	45	0.07
TSL213	13	19.8	22	57	8	45	0.10
TSL214	14	21	22	57	10	45	0.11
TSL216	16	23.8	22	57	10	45	0.13
TSL218	18	26	22	57	11	45	0.14
TSL219	19	27.5	22	57	11	45	0.16



Automotive Purpose

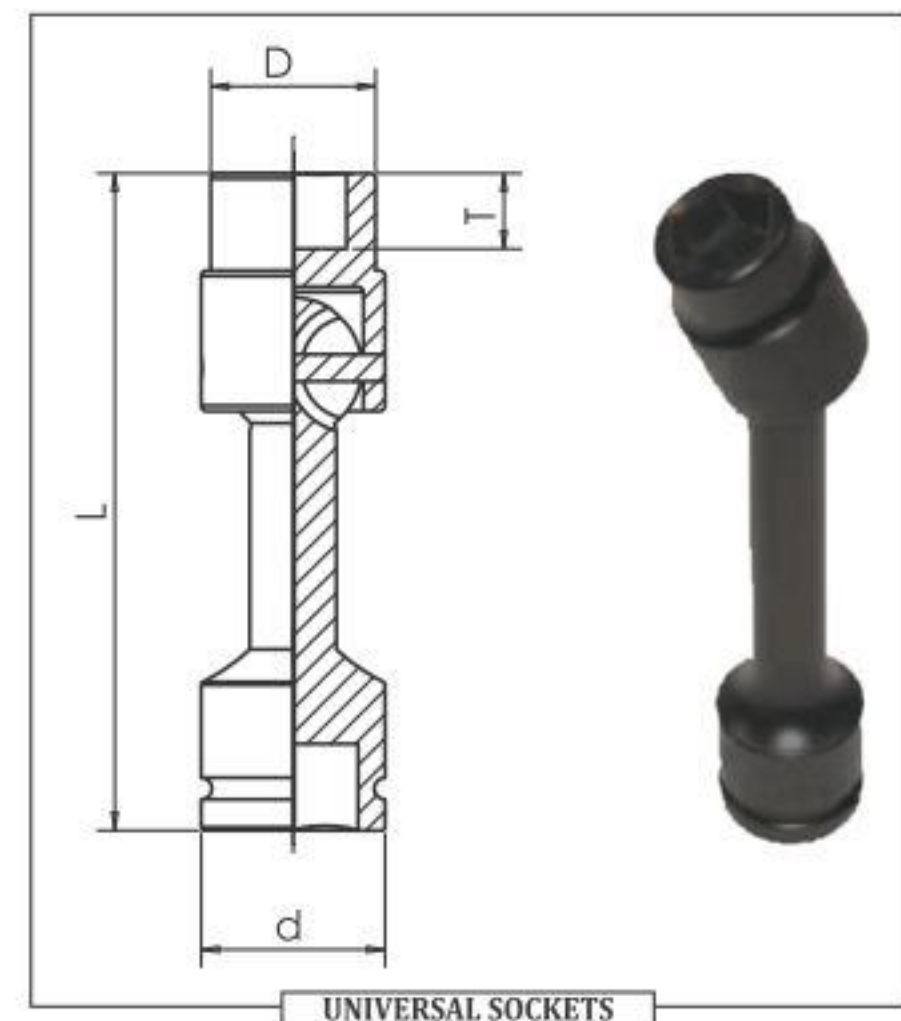
## STUD RUNNERS

PART NO.	A/F mm	PITCH mm	D mm	d mm	L mm	T mm	Weight kg
TR24	4	0.7	12	22	57	5	0.07
TR25	5	0.8	13	22	57	7	0.09
TR26	6	1	14	22	57	8	0.10
TR28	8	1.25	17	22	57	12	0.08
TR210	10	1.5	19	22	57	14	0.09



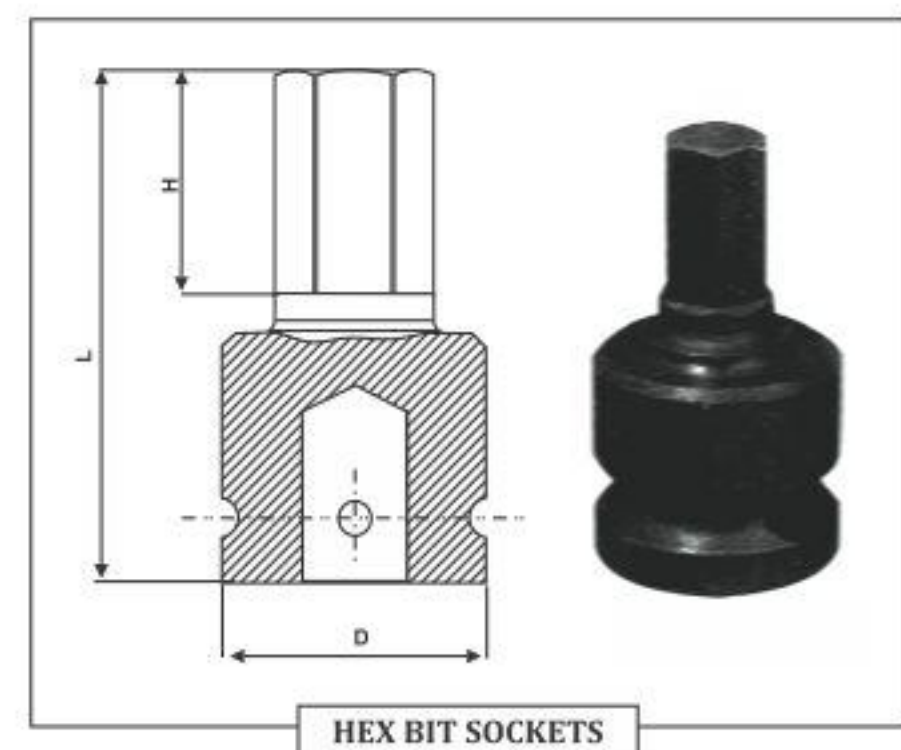
## UNIVERSAL SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	t mm	T mm	Weight kg
TU210	10	15	22	62	7	17	0.09
TU211	11	16	22	62	7	17	0.09
TU212	12	17	22	62	8	17	0.09
TU213	13	18.5	22	62	8	17	0.09
TU214	14	20	22	62	10	17	0.09
TU215	15	21	22	62	10	15	0.10
TU216	16	23	22	59	10	15	0.10
TU217	17	24	22	59	10	14	0.11
TU218	18	25	22	59	11	14	0.12
TU219	19	26	22	29	11	14	0.13
TUL210	10	15	22	148	7	17	0.14
TUL211	11	16	22	148	7	17	0.14
TUL212	12	17	22	148	8	17	0.15
TUL213	13	18.5	22	148	8	17	0.14
TUL214	14	20	22	148	10	17	0.15
TUL215	15	21	22	148	10	15	0.15
TUL216	16	23	22	146	10	15	0.18
TUL217	17	24	22	146	10	14	0.19



## HEX BIT SOCKETS

PART NO.	A/F Inch	A/F mm	L (mm)	H (mm)
TH23		3	44	15
TH23F	1/8"		44	15
TH24		4	44	15
TH24F	5/32"		44	15
TH25		5	47	20
TH25F	3/16"	-	47	20
TH26		6	49	20
TH26F	7/32"		49	20
TH28		8	49	25
TH28F	1/4"		49	25
TH210		10	50	25
TH210F	3/8"		50	25



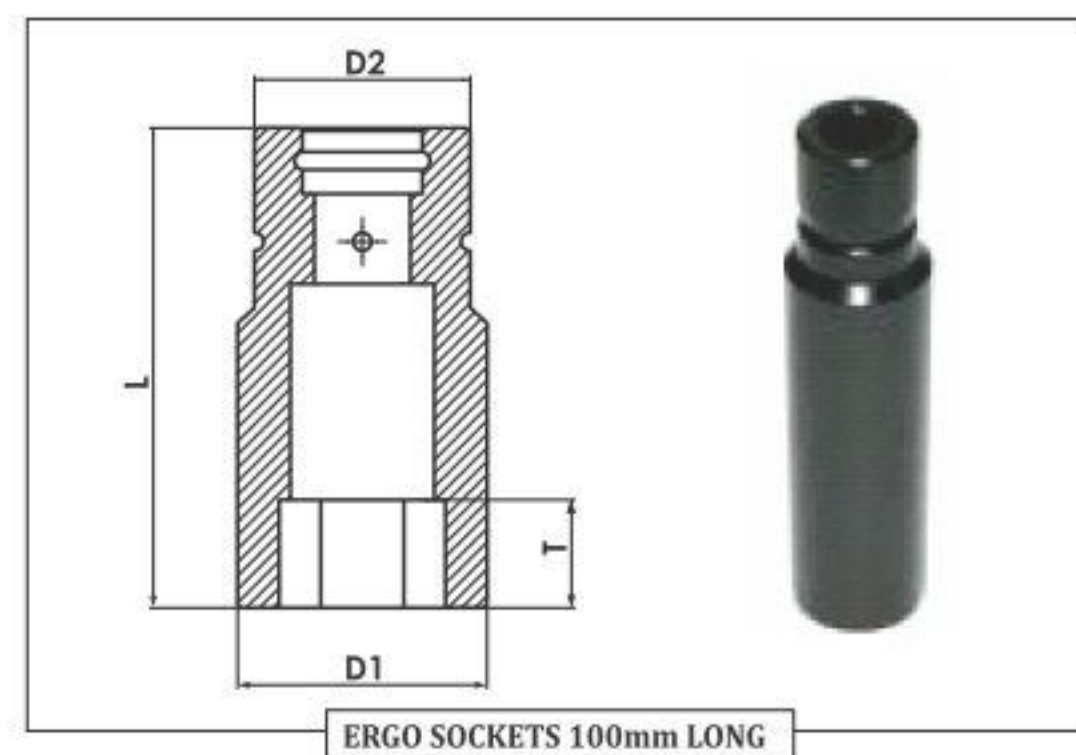
## ERGO SOCKETS STANDARD

PART No.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm
TE26	6		11.0	19	43	10.0
TE27	7		13.0	19	43	10.0
TE28	8		15.0	19	43	10.0
TE29	9		15.0	19	43	10.0
TE29F		3/8"	15.0	19	43	10.0
TE210	10		16.0	19	43	12.0
TE211	11		18.0	19	43	12.0
TE211F		7/16"	18.0	19	43	12.0
TE212	12		19.0	19	43	12.0
TE212F		2"	19.0	19	43	12.0
TE213	13		19.0	22	43	12.0
TE214	14		21.0	22	43	12.0
TE214F		9/16"	21.0	22	43	12.0
TE215	15		22.0	22	43	12.0
TE215F		5/8"	24.0	22	43	12.0
TE216	16		24.0	22	43	12.0
TE217	17		25.0	22	43	13.0
TE217F		11/16"	25.0	22	43	13.0
TE218	18		26.0	22	43	13.0
TE219	19		27.5	22	43	13.0
TE219F		3/4"	27.5	22	43	13.0
TE220	20		28.0	22	43	13.0
TE220F		13/16"	28.0	22	43	13.0



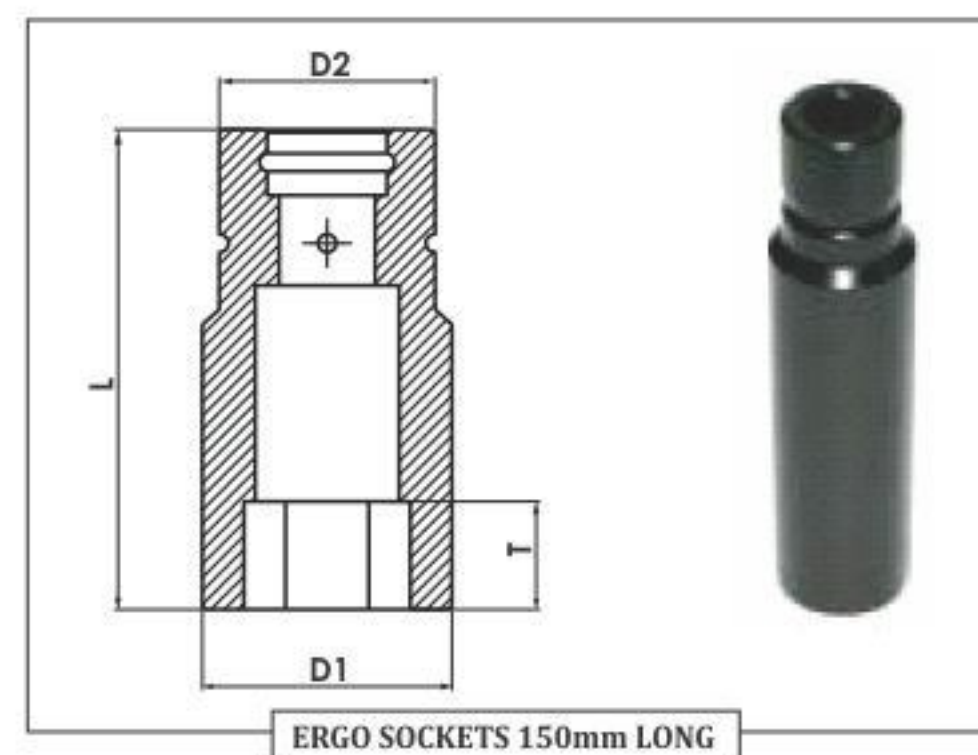
## ERGO SOCKETS 100mm LONG

PART No.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm
TEL26	6		11.0	19	100	10.0
TEL27	7		13.0	19	100	10.0
TEL28	8		15.0	19	100	10.0
TEL29	9		15.0	19	100	10.0
TEL29F		3/8"	15.0	19	100	10.0
TEL210	10		16.0	19	100	12.0
TEL211	11		18.0	19	100	12.0
TEL211F		7/16"	18.0	19	100	12.0
TEL212	12		19.0	19	100	12.0
TEL212F		2"	19.0	19	100	12.0
TEL213	13		19.0	22	100	12.0
TEL214	14		21.0	22	100	12.0
TEL214F		9/16"	21.0	22	100	12.0
TEL215	15		22.0	22	100	12.0
TEL215F		5/8"	24.0	22	100	12.0
TEL216	16		24.0	22	100	12.0
TEL217	17		25.0	22	100	13.0
TEL217F		11/16"	25.0	22	100	13.0
TEL218	18		26.0	22	100	13.0
TEL219	19		27.5	22	100	13.0
TEL219F		3/4"	27.5	22	100	13.0
TEL220	20		30.0	22	100	13.0
TEL220F		13/16"	30.0	22	100	13.0



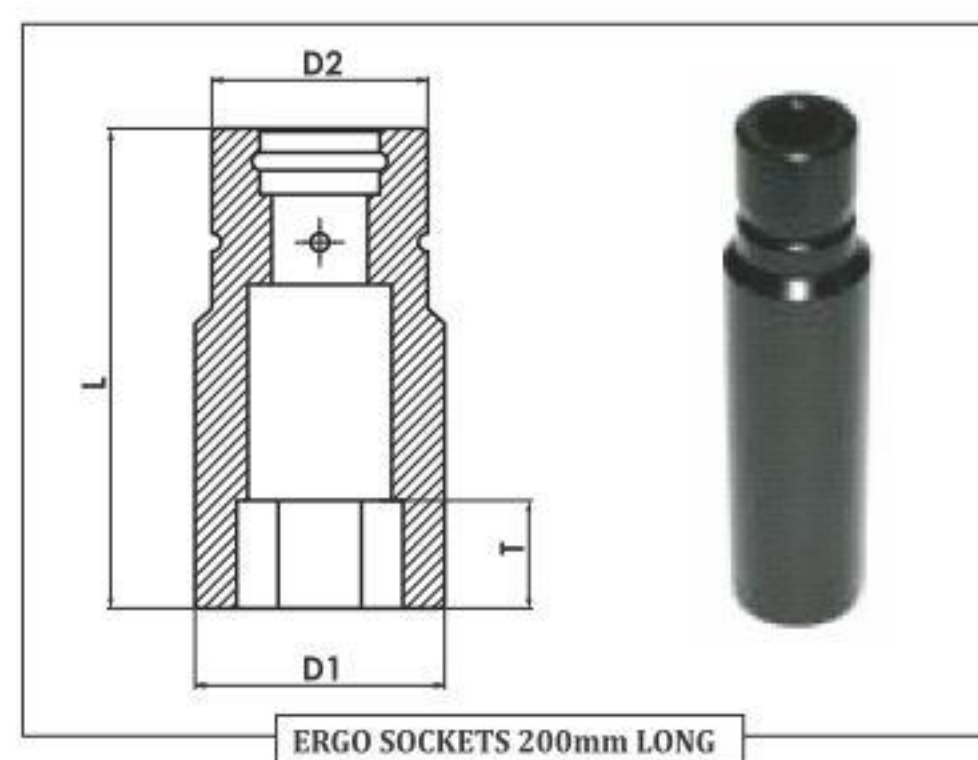
## ERGO SOCKETS 150mm LONG

PART No.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm
TEXL26	6		11.0	19	150	10.0
TEXL27	7		13.0	19	150	10.0
TEXL28	8		15.0	19	150	10.0
TEXL29	9		15.0	19	150	10.0
TEXL29F		3/8"	15.0	19	150	10.0
TEXL210	10		16.0	19	150	12.0
TEXL211	11		18.0	19	150	12.0
TEXL211F		7/16"	18.0	19	150	12.0
TEXL212	12		19.0	19	150	12.0
TEXL212F		1/2"	19.0	19	150	12.0
TEXL213	13		19.0	22	150	12.0
TEXL214	14		21.0	22	150	12.0
TEXL214F		9/16"	21.0	22	150	12.0
TEXL215	15		22.0	22	150	12.0
TEXL215F		5/8"	22.0	22	150	12.0
TEXL216	16		24.0	22	150	12.0
TEXL217	17		25.0	22	150	13.0
TEXL217F		11/16"	25.0	22	150	13.0
TEXL218	18		26.0	22	150	13.0
TEXL219	19		28.0	22	150	13.0
TEXL219F		3/4"	28.0	22	150	13.0
TEXL220	20		28.0	22	150	13.0
TEXL220F		13/16"	28.0	22	150	13.0



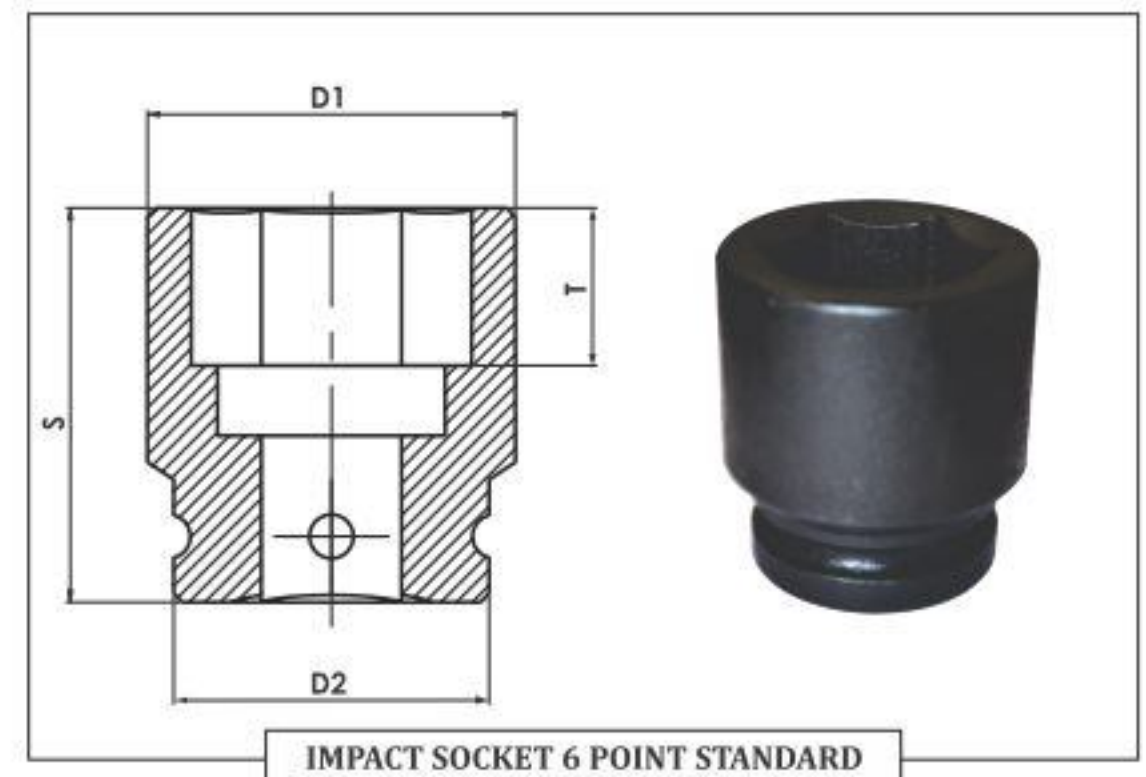
## ERGO SOCKETS 200mm LONG

PART No.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm
TEXXL26	6		11.0	19	200	10.0
TEXXL27	7		13.0	19	200	10.0
TEXXL28	8		15.0	19	200	10.0
TEXXL29	9		15.0	19	200	10.0
TEXXL29F		3/8"	15.0	19	200	10.0
TEXXL210	10		16.0	19	200	12.0
TEXXL211	11		18.0	19	200	12.0
TEXXL211F		7/16"	18.0	19	200	12.0
TEXXL212	12		19.0	19	200	12.0
TEXXL212F		1/2"	19.0	19	200	12.0
TEXXL213	13		19.0	22	200	12.0
TEXXL214	14		21.0	22	200	12.0
TEXXL214F		9/16"	21.0	22	200	12.0
TEXXL215	15		22.0	22	200	12.0
TEXXL215F		5/8"	24.0	22	200	12.0
TEXXL216	16		24.0	22	200	12.0
TEXXL217	17		25.0	22	200	13.0
TEXXL217F		11/16"	25.0	22	200	13.0
TEXXL218	18		26.0	22	200	13.0
TEXXL219	19		28.0	22	200	13.0
TEXXL219F		3/4"	28.0	22	200	13.0
TEXXL220	20		28.0	22	200	13.0
TEXXL220F		13/16"	28.0	22	200	13.0



## IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI206	6		11.0	19	30	10	40
TI207	7		12.5	19	30	10	40
TI208	8		14.5	19	30	10	40
TI209	9		15.0	19	30	10	40
TI209F		3/8"	14.5	19	30	10	40
TI210	10		16.0	19	30	10	40
TI211	11		17.5	19	30	12	40
TI211F		7/16"	17.0	19	30	12	40
TI212	12		19.0	19	30	12	40
TI212F		1/2"	19.0	19	30	12	40
TI213	13		19.0	22	30	12	60
TI214	14		21.0	22	30	13	60
TI214F		9/16"	20.0	22	30	13	40
TI215	15		22.0	22	30	15	60
TI215F		5/8"	24.0	24	30	15	60
TI216	16		24.0	22	30	15	60
TI217	17		25.0	22	30	15	60
TI217F		11/16"	24.0	24	30	15	60
TI218	18		26.0	22	30	16	60
TI219	19		27.0	22	30	16	70
TI219F		3/4"	27.0	22	30	16	70
TI220	20		28.0	22	30	16	70
TI220F		13/16"	28.0	28	30	16	70
TI221	21		30.0	22	30	18	70
TI222	22		32.0	23	30	18	100
TI222F		7/8"	30.0	30	30	18	100
TI223	23		32.0	23	30	18	100

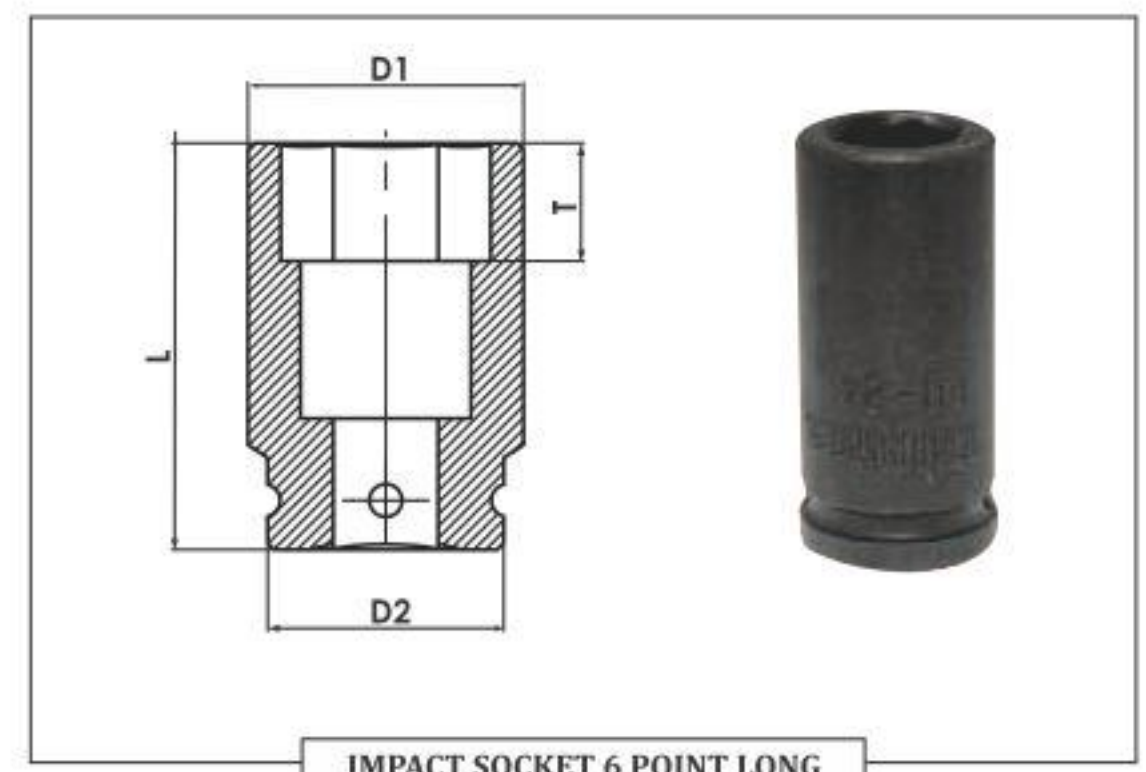


IMPACT SOCKET 6 POINT STANDARD

Automotive Purpose

## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL206	6		11.0	19	57	10	80
TIL207	7		12.5	19	65	10	80
TIL208	8		14.5	19	65	10	80
TIL209	9		15.0	19	65	10	80
TIL209F		3/8"	14.5	19	65	10	80
TIL210	10		16.0	19	65	10	80
TIL211	11		17.5	19	65	12	80
TIL211F		7/16"	17.0	19	65	12	80
TIL212	12		19.0	19	65	12	80
TIL212F		1/2"	19.0	19	65	12	80
TIL213	13		19.0	22	65	13	120
TIL214	14		21.0	22	65	13	120
TIL214F		9/16"	20.0	22	65	15	120
TIL215	15		22.0	22	65	15	120
TIL215F		5/8"	24.0	24	65	15	130
TIL216	16		24.0	22	65	15	130
TIL217	17		25.0	22	65	15	130
TIL217F		11/16"	24.0	24	65	15	130
TIL218	18		26.0	22	65	16	150
TIL219	19		27.0	22	65	16	150
TIL219F		3/4"	27.0	22	65	16	150
TIL220	20		28.0	22	65	16	150
TIL220F		13/16"	28.0	28	65	16	160
TIL221	21		30.0	22	65	18	180
TIL222	22		32.0	23	65	18	200
TIL222F		7/8"	30.0	30	65	18	200
TIL223	23		32.0	23	65	18	200

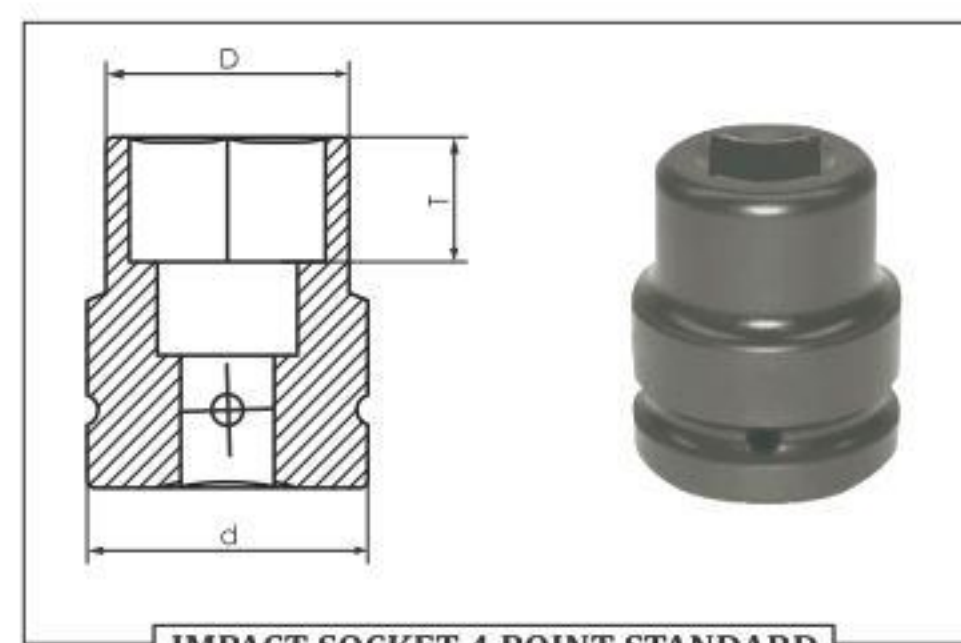


IMPACT SOCKET 6 POINT LONG

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

## IMPACT SOCKET 4 POINT STANDARD

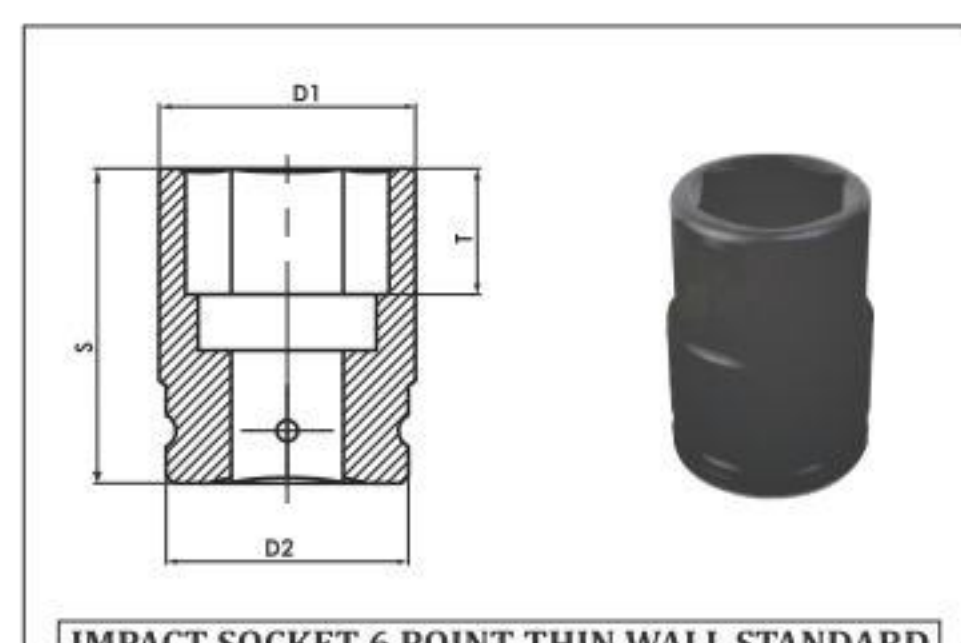
PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
T4205	5	14	22	34	5	0.06
T4207	7	16	22	34	7	0.12
T4208	8	18.5	22	34	8	0.12
T4210	10	22	22	34	10	0.12
T4212	12	24	22	38	12	0.12
T4214	14	27	22	40	14	0.12



IMPACT SOCKET 4 POINT STANDARD

## IMPACT SOCKET 6 POINT THIN WALL STANDARD

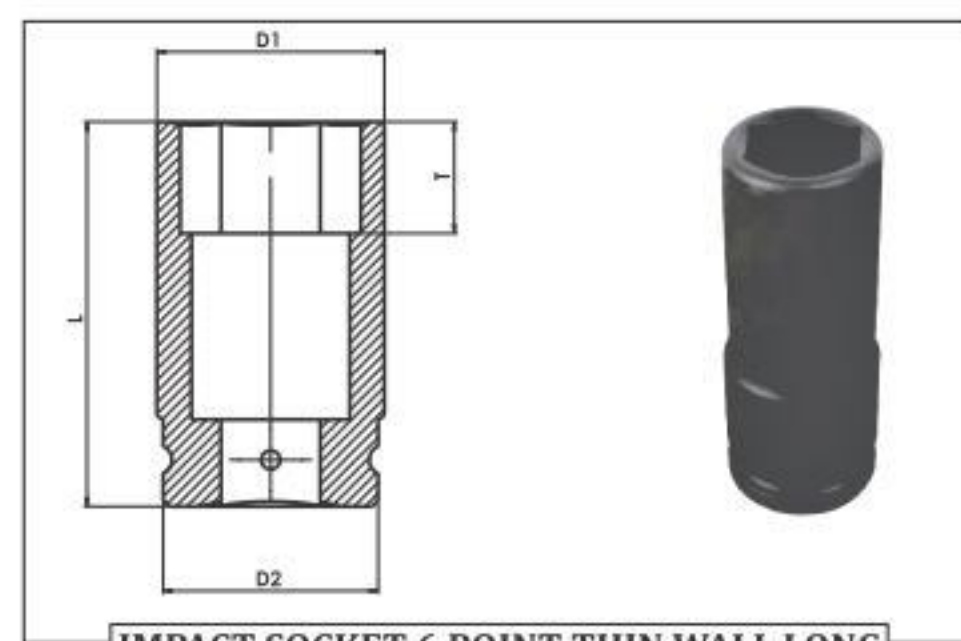
PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	Weight kg
TT206	6	9.5	18	34	4	0.03
TT207	7	11	18	34	5	0.03
TT208	8	12.2	18	34	5	0.03
TT209	9	13.5	18	34	5	0.03
TT210	10	14.7	18	34	7	0.03
TT211	11	16	18	34	7	0.03
TT212	12	17.2	18	34	8	0.03
TT213	13	18.5	18.5	34	8	0.04
TT214	14	19.7	19.7	34	10	0.04
TT215	15	21	21	34	10	0.05
TT216	16	22.2	22.2	34	10	0.05
TT217	17	23.5	23.5	34	10	0.06
TT218	18	24.7	24.7	34	11	0.06



IMPACT SOCKET 6 POINT THIN WALL STANDARD

## IMPACT SOCKET 6 POINT THIN WALL LONG

PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	Weight kg
TTL208	8	12.2	19	57	5	0.06
TTL210	10	14.7	19	57	7	0.05
TTL211	11	16	19	57	7	0.05
TTL212	12	17.2	19	57	8	0.06
TTL213	13	18.5	22	57	8	0.07
TTL214	14	19.7	22	57	10	0.08
TTL215	15	21	22	57	10	0.08
TTL216	16	22.2	22	57	10	0.11
TTL217	17	23.5	22	57	10	0.13
TTL218	18	24.7	22	57	11	0.12

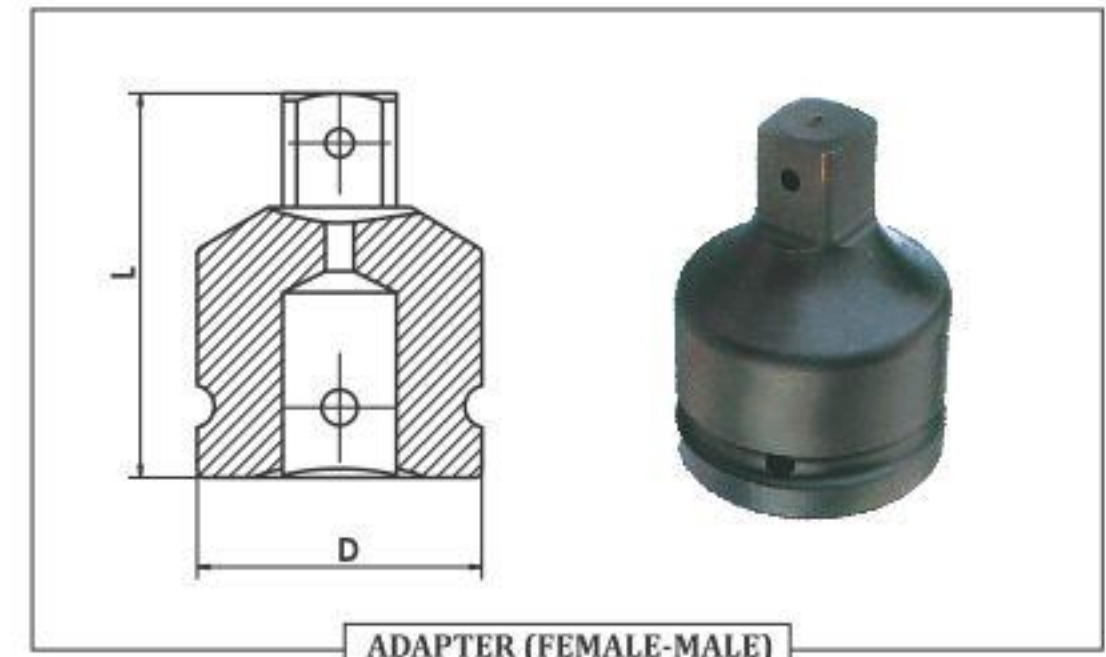


IMPACT SOCKET 6 POINT THIN WALL LONG



## ADAPTER ( FEMALE- MALE)

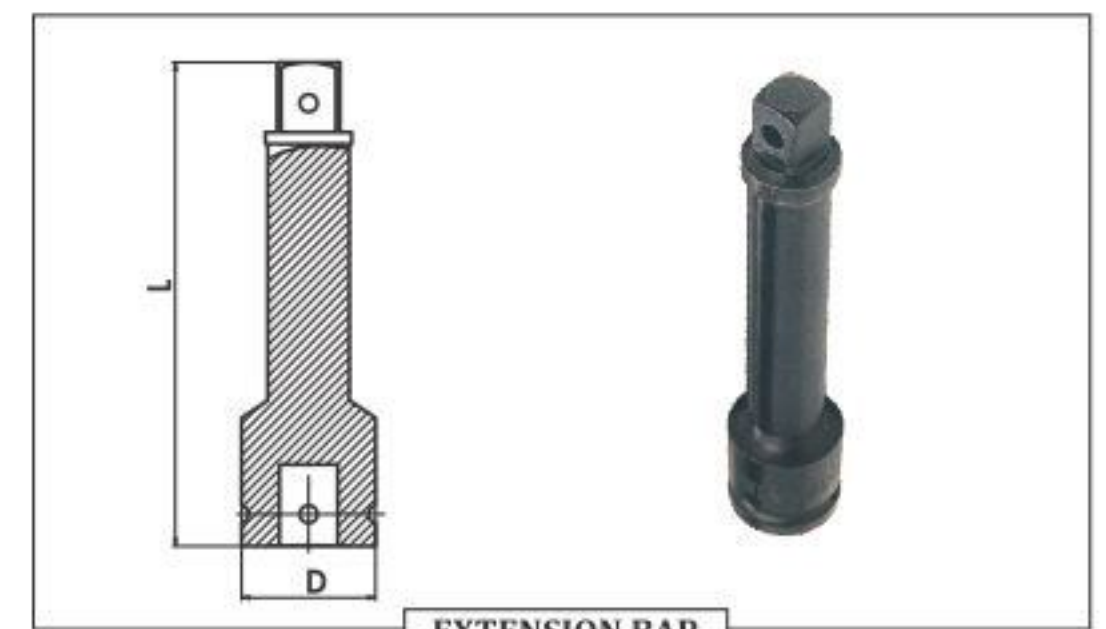
Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA201	3/8"D	3/8"	1/2"	22	33	65



ADAPTER (FEMALE-MALE)

## EXTENSION BAR

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TAE202	3/8"D	3/8"	3/8"	19	75	155
TAE203		3/8"	3/8"	19	100	195
TAE204		3/8"	3/8"	19	125	245
TAE205		3/8"	3/8"	19	150	305



EXTENSION BAR

## UNIVERSAL JOINT

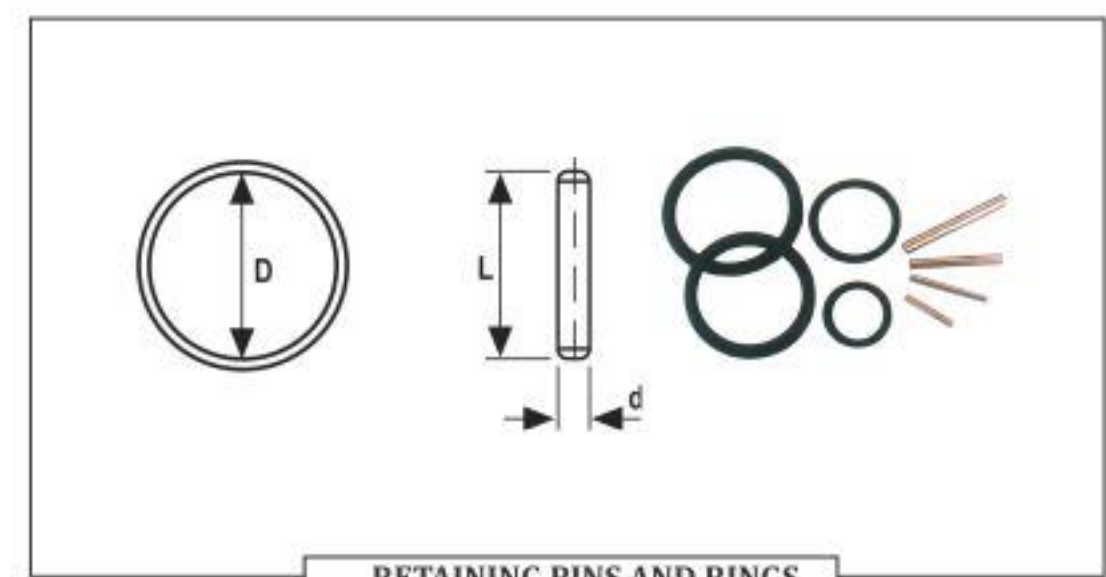
Part No.	Type	Square Size	D mm	L mm	Wt (gm)
TAU206	3/8"D	3/8"	20.4	50	130



UNIVERSAL JOINT

## RETAINING PINS AND RINGS

Part No.	Retaining Pin	Retaining Ring	For Socket		Pin		Ring
			Type	Square size	Dia. of Sq end	D mm	L mm
TAP207	TAR209	3/8"D	3/8"	19	2.5	14	14
TAP208	TAR210		3/8"	22	2.5	16	15.5



RETAINING PINS AND RINGS

## ACCESSORIES (MANUAL)

Part No.	Type	Description	Overall Length
TSB-2	3/8"D	Sliding T-handle	250
TSH-2		Swivel Handle	245
TAH-2		L-handle	140
TRR-2		Ratchet Handle	190
TQC-2		Quick Change Adaptor	53

1/4" Hex, Female, 3/8" Sq Female

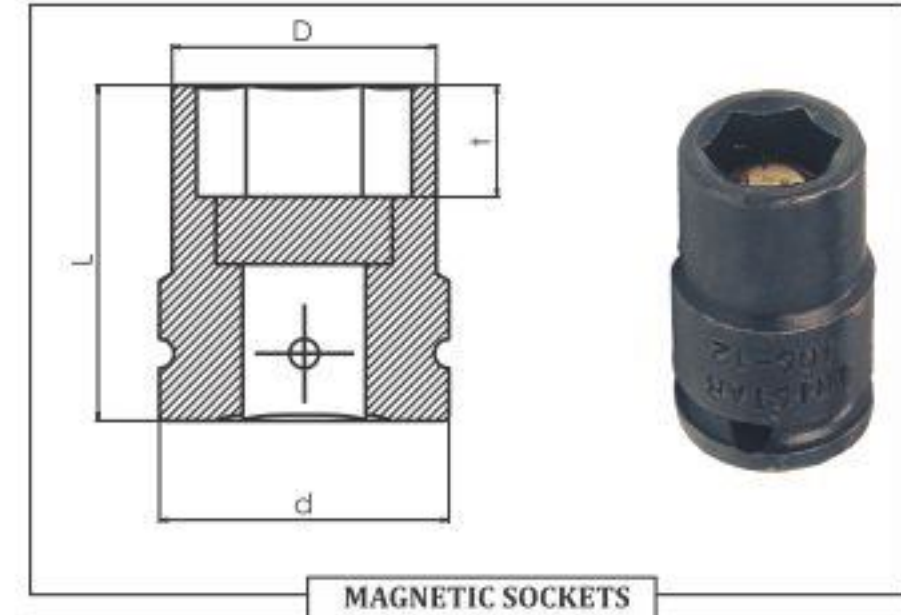


ACCESSORIES



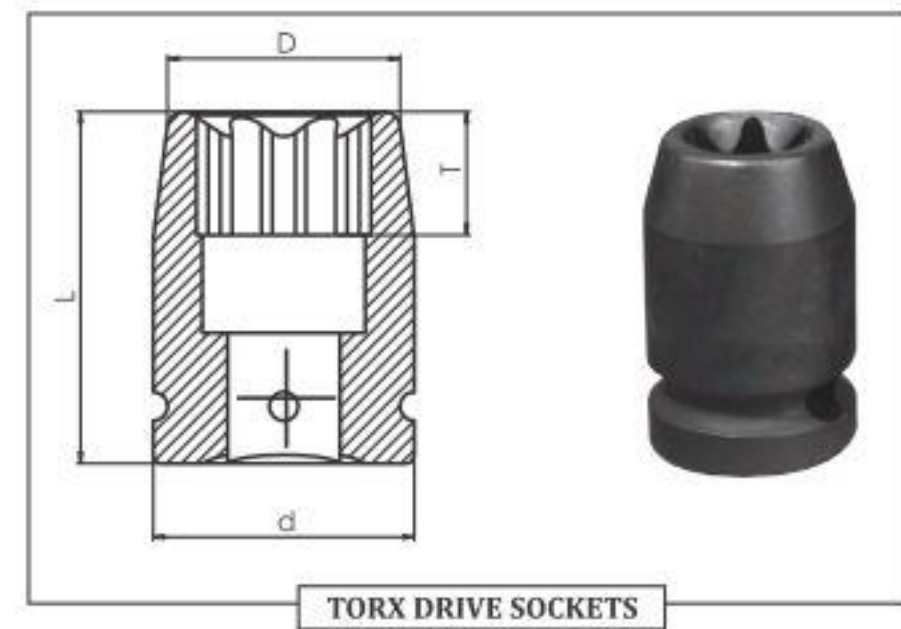
## MAGNETIC SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	t mm	Weight kg
TM310	10	17	25	38	5	0.09
TM312	12	19.7	25	38	5	0.09
TM313	13	21	25	38	5	0.10
TM314	14	22.5	25	38	7	0.10
TM315	15	23.5	30	38	7	0.15
TM316	16	24.5	30	38	7	0.15
TM317	17	26	30	38	8	0.15
TM318	18	27.5	30	38	8	0.15
TM319	19	29	30	38	8	0.15
TM321	21	31	30	38	9	0.16
TM322	22	32.5	30	38	9	0.17



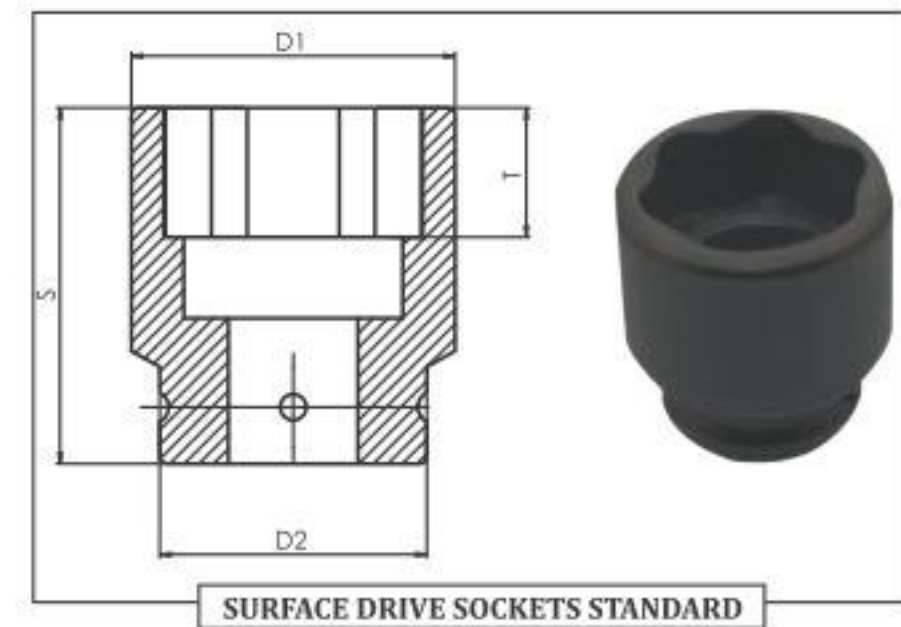
## TORX DRIVE SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
TX310	10	14.5	25	38	7	0.07
TX312	12	16.5	25	38	8.5	0.08
TX314	14	18.5	25	38	9.5	0.09
TX316	16	20.5	25	38	10.5	0.08
TX318	18	22.5	25	38	12	0.08
TX320	20	24.5	30	38	13.2	0.13



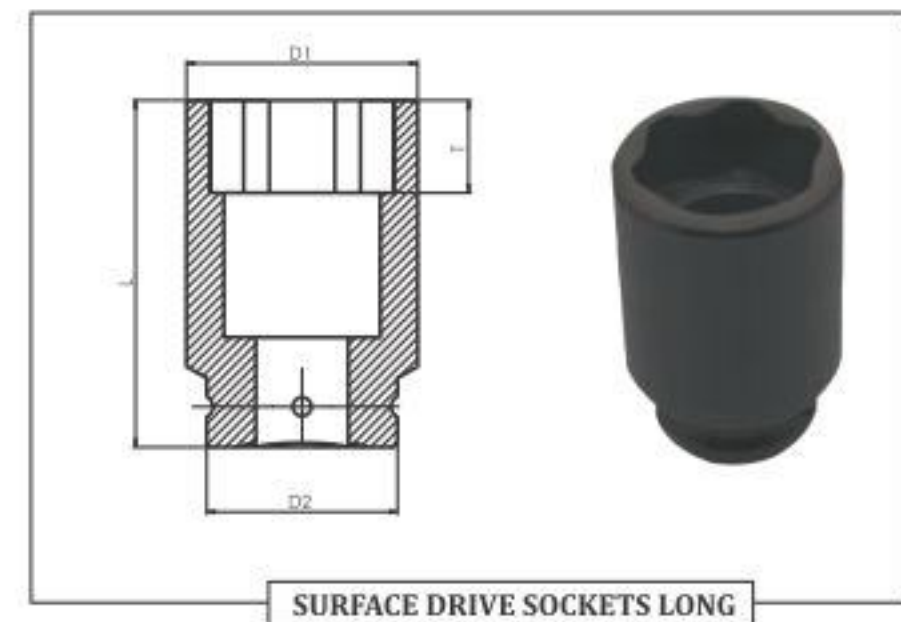
## SURFACE DRIVE SOCKETS STANDARD

PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	Weight kg
TS308	8	14.5	25	38	5	0.09
TS310	10	17	25	38	7	0.08
TS311	11	18.5	25	38	7	0.08
TS312	12	19.7	25	38	8	0.08
TS313	13	21	25	38	8	0.08
TS314	14	22.5	25	38	10	0.08
TS315	15	23.5	30	38	10	0.16
TS316	16	24.5	30	38	10	0.13
TS317	17	26	30	38	10	0.13
TS318	18	27.5	30	38	11	0.13
TS319	19	29	30	38	11	0.13
TS320	20	30	30	38	12	0.12
TS321	21	31	30	38	12	0.13
TS322	22	32.5	30	38	12	0.14
TS324	24	35	30	40	14	0.16



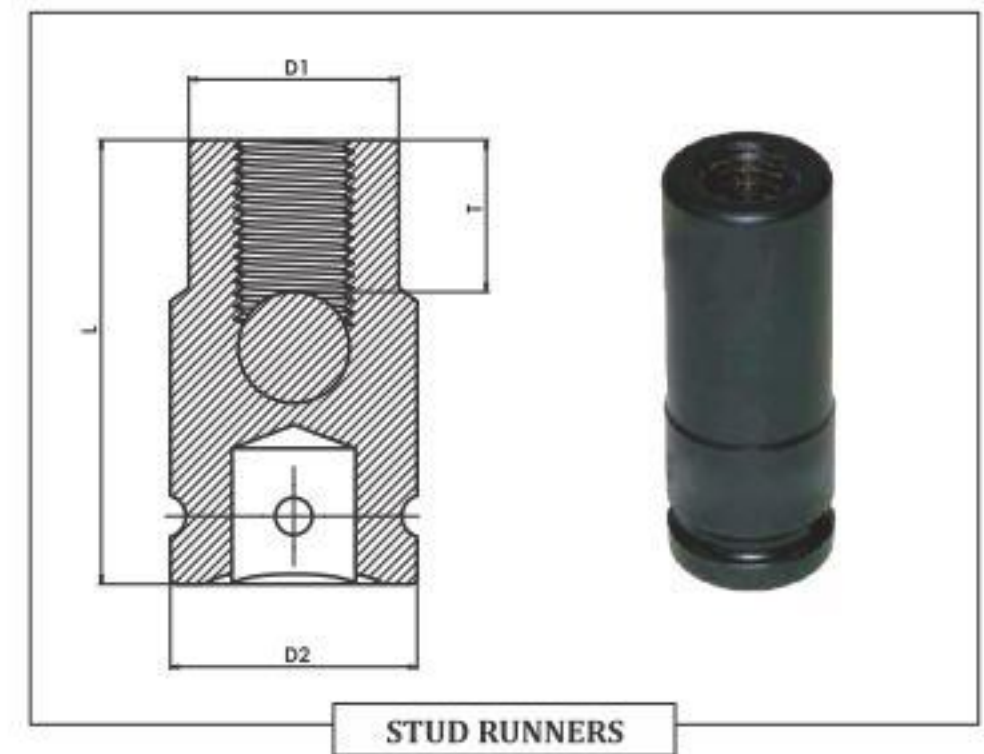
## SURFACE DRIVE SOCKETS LONG

PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	Weight kg
TSL308	8	14.5	25	82	5	0.14
TSL310	10	17	25	82	7	0.14
TSL311	11	18.5	25	82	7	0.16
TSL312	12	19.7	25	82	8	0.16
TSL313	13	21	25	82	8	0.18
TSL314	14	22.5	25	82	10	0.19
TSL315	15	23.5	30	82	10	0.23
TSL316	16	24.5	30	82	10	0.22
TSL317	17	26	30	82	10	0.24
TSL318	18	27.5	30	82	11	0.26
TSL319	19	29	30	82	11	0.29
TSL321	21	31	30	82	12	0.31
TSL322	22	32.5	30	82	12	0.30
TSL322	24	35	30	82	14	0.35
TSL325	25	37	30	82	14	0.36
TSL326	26	38	30	82	15	0.35



## STUD RUNNERS

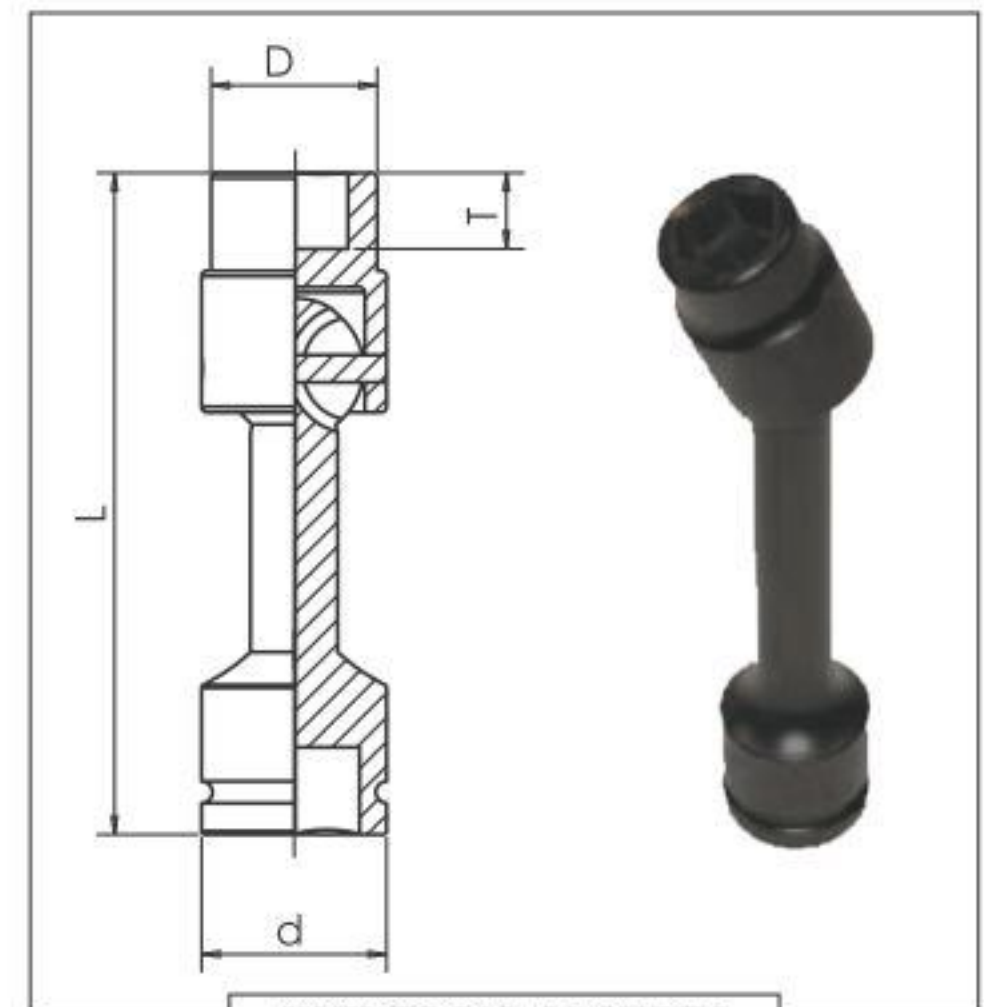
PART NO.	A/F mm	PITCH mm	D mm	d mm	L mm	T mm	Weight kg
TR306	6	1	14	25	65	8	0.1
TR308	8	1.25	19	25	65	12	0.13
TR310	10	1.5	22	25	65	14	0.14
TR312	12	1.75	24	25	65	16	0.18
TR314	14	2	24	25	65	18	0.19
TR316	16	2	24	25	65	20	0.17
TR318	18	2.5	30	30	82	20	0.35
TR320	20	2.5	30	30	82	25	0.31
TR322	22	2.5	32	30	82	25	0.35
TR324	24	3	34	30	82	25	0.38
TR327	27	3	40	40	100	28	0.74
TR330	30	3.5	43	40	100	30	0.85
TR333	33	3.5	47	40	100	40	0.85
TR336	36	4	50	40	100	40	1.03
TR339	39	4	54	40	100	40	1.03



STUD RUNNERS

## UNIVERSAL SOCKETS

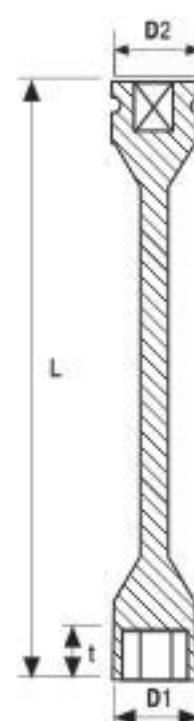
PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
TU313	13	19	25	68	8	0.15
TU314	14	21	25	68	10	0.15
TU315	15	22	25	68	10	0.16
TU316	16	24	25	68	10	0.16
TU317	17	25	26	65.5	10	0.18
TU318	18	26	26	65.5	11	0.18
TU319	19	27	26	65.5	11	0.18
TU321	21	30	26	67.5	12	0.18
TU322	22	31	26	67.5	12	0.19
TU324	24	33	26	69.5	14	0.23
TUL311	11	17	25	150	7	0.25
TUL312	12	18	25	150	8	0.25
TUL313	13	19	29	150	8	0.27
TUL314	14	21	29	150	10	0.26
TUL315	15	22	29	150	10	0.27
TUL316	16	24	29	150	10	0.27
TUL317	17	25	29	147.55	10	0.34
TUL318	18	26	29	147.6	11	0.35
TUL319	19	27	29	147.6	11	0.34
TUL321	21	30	29	149.55	12	0.35



UNIVERSAL SOCKETS

## TORSION BARS

PART No.	MM	A/F Inch	COLOR	D1	D2	L	t mm	Torque (N-M)	Weight (gm)
TB317BR	17		BROWN	26.0	30	205	24.0	75.0	290
TB317G	17		GREEN	26.0	30	205	24.0	95.0	300
TB317C	17		CREAM	26.0	30	205	24.0	110.0	320
TB319BL	19	3/4"	BLUE	28.0	30	205	24.0	75.0	290
TB319Y	19	3/4"	YELLOW	28.0	30	205	24.0	90.0	300
TB319LB	19	3/4"	LIGHT BLUE	28.0	30	205	24.0	110.0	330
TB319R	19	3/4"	RED	28.0	30	205	24.0	135.0	360
TB320B	21		BLACK	30.0	30	205	24.0	80.0	290



Automotive Purpose

## ERGO SOCKETS STANDARD

PART No.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm
TE310	10		17.0	25	43	12.0
TE311	11		19.0	25	43	12.0
TE311F		7/16"	19.0	25	43	12.0
TE312	12		20.0	25	43	12.0
TE312F		1/2"	20.0	25	43	12.0
TE313	13		21.0	25	43	12.0
TE314	14		23.0	25	43	12.0
TE314F		9/16"	23.0	25	43	12.0
TE315	15		24.0	30	43	12.0
TE315F		5/8"	24.0	30	43	12.0
TE316	16		25.0	30	43	12.0
TE317	17		26.0	30	43	13.0
TE317F		11/16"	26.0	30	43	13.0
TE318	18		28.0	30	43	13.0
TE319	19		29.0	30	43	13.0
TE319F		3/4"	29.0	30	43	13.0
TE320	20		29.0	30	43	13.0
TE320F		13/16"	29.0	30	43	13.0
TE321	21		30.0	30	43	13.0
TE322	22		32.0	30	43	13.0
TE322F		7/8"	32.0	30	43	13.0
TE323	23		32.0	30	43	13.0
TE323F		15/16"	32.0	30	43	13.0

TE324

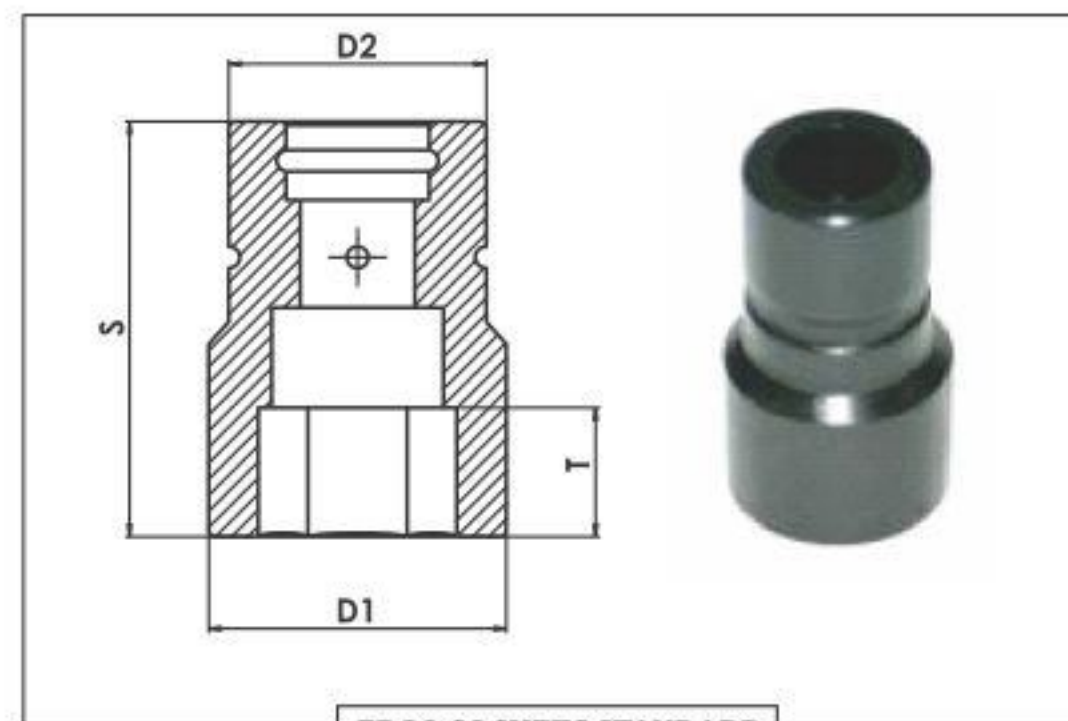
## ERGO SOCKETS LONG

PART No.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm
TEL310	10		17.0	25	100	12.0
TEL311	11		19.0	25	100	12.0
TEL311F		7/16"	19.0	25	100	12.0
TEL312	12		20.0	25	100	12.0
TEL312F		1/2"	20.0	25	100	12.0
TEL313	13		21.0	25	100	12.0
TEL314	14		23.0	25	100	12.0
TEL314F		9/16"	23.0	25	100	12.0
TEL315	15		24.0	30	100	12.0
TEL315F		5/8"	24.0	30	100	12.0
TEL316	16		25.0	30	100	12.0
TEL317	17		26.0	30	100	13.0
TEL317F		11/16"	26.0	30	100	13.0
TEL318	18		28.0	30	100	13.0
TEL319	19		29.0	30	100	13.0
TEL319F		3/4"	29.0	30	100	13.0
TEL320	20		29.0	30	100	13.0
TEL320F		13/16"	29.0	30	100	13.0
TEL321	21		30.0	30	100	13.0
TEL322	22		32.0	30	100	13.0
TEL322F		7/8"	32.0	30	100	13.0
TEL323	23		32.0	30	100	13.0
TEL323F		15/16"	36.0	30	100	13.0

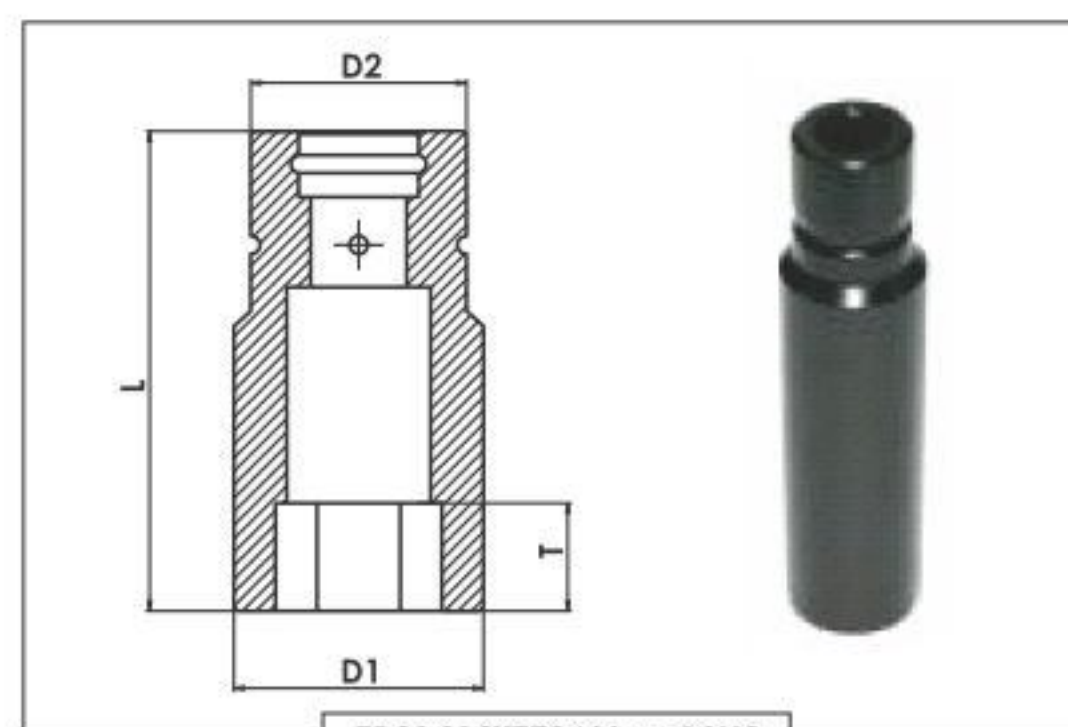
TEL324

## HEX BIT SOCKET

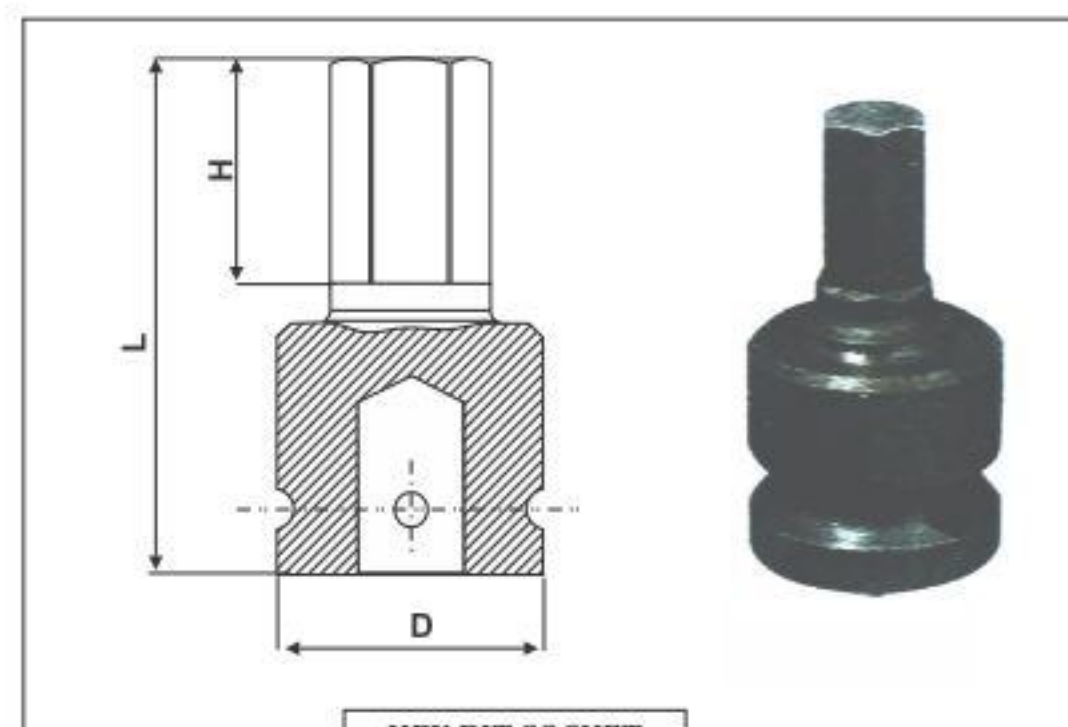
PART NO.	A/F Inch	A/F mm	L (mm)	H (mm)
TH36		6	53	20
TH36F	1/4"		53	20
TH38		8	53	25
TH38F	5/16"		53	25
TH310		10	57	25
TH310F	3/8"		57	25
TH312		12	63	30
TH312F	1/2"		63	30
TH314		14	63	30
TH314F	9/16"		63	30
TH317		17	73	40
TH317F	5/8"		73	40



ERGO SOCKETS STANDARD

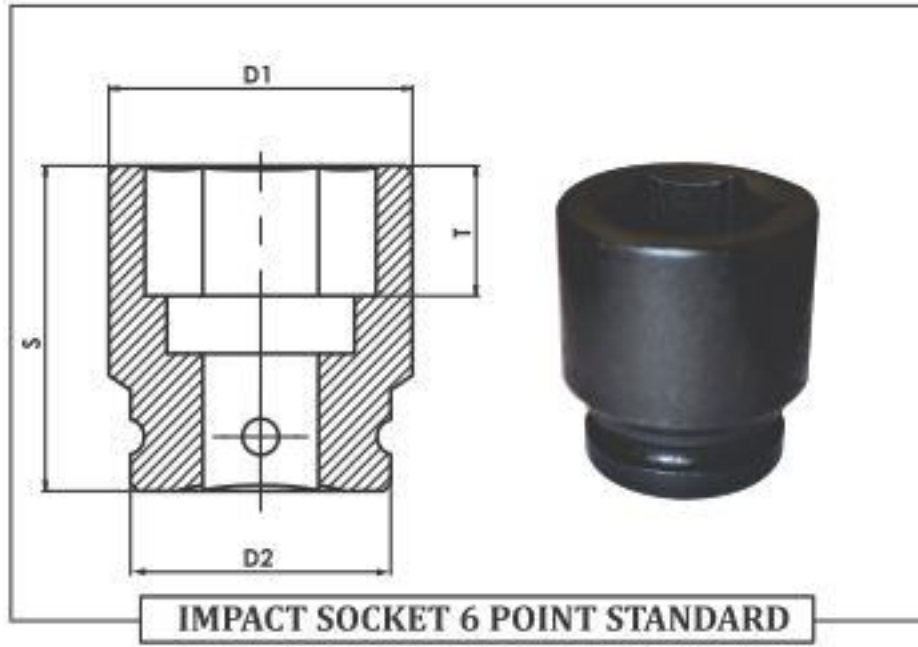


ERGO SOCKETS 100mm LONG

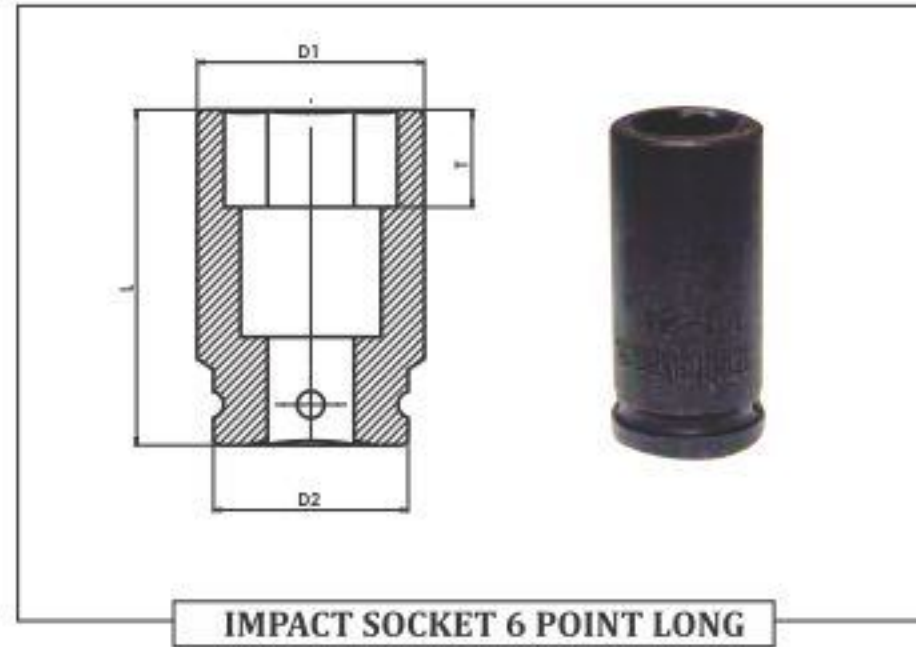


HEX BIT SOCKET

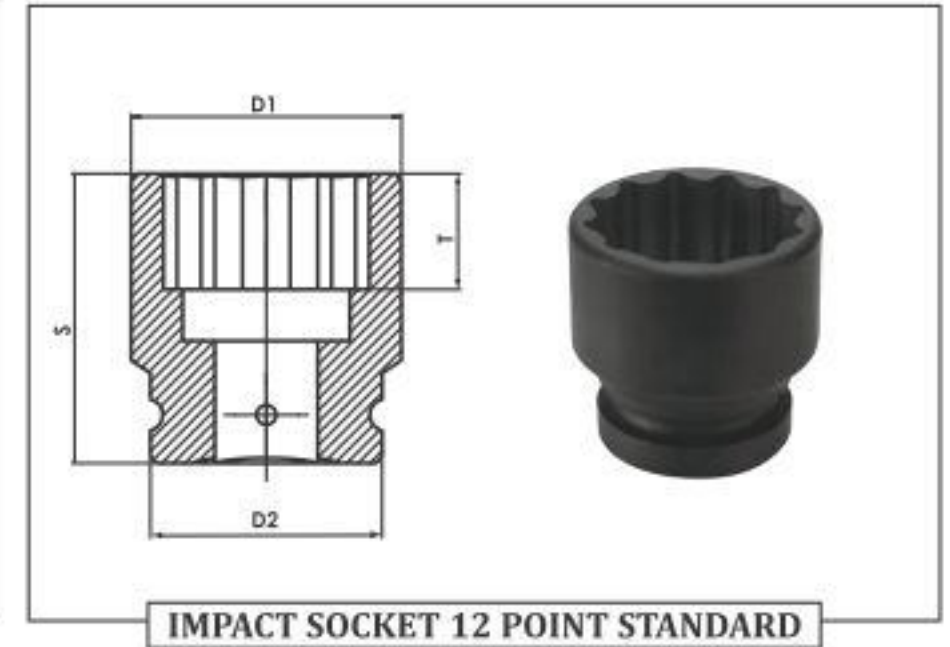
# 1/2" SQUARE DRIVE



IMPACT SOCKET 6 POINT STANDARD



IMPACT SOCKET 6 POINT LONG



IMPACT SOCKET 12 POINT STANDARD

## IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI308	8		15.0	25	38	10	60
TI309	9		16.0	25	38	10	85
TI309F		3/8"	16.0	25	38	10	85
TI310	10		17.0	25	38	10	90
TI311	11		19.0	25	38	12	90
TI311F		7/16"	18.0	25	38	12	90
TI312	12		20.0	25	38	12	90
TI312F		1/2"	20.0	25	38	12	90
TI313	13		21.0	25	38	12	90
TI314	14		22.0	25	38	13	90
TI314F		9/16"	22.0	25	38	13	90
TI315	15		24.0	30	38	14	130
TI315F		5/8"	25.0	25	38	14	80
TI316	16		25.0	30	38	14	130
TI317	17		26.0	30	38	14	130
TI317F		11/16"	25.0	25	38	14	80
TI318	18		27.5	30	38	14	130
TI319	19		27.5	30	38	16	130
TI319F		3/4"	27.5	30	38	16	130
TI320	20		30.0	30	38	16	130
TI320F		13/16"	30.0	30	38	16	130
TI321	21		30.0	30	38	18	130
TI322	22		32.0	30	38	18	140
TI322F		7/8"	32.0	30	38	18	140
TI323	23		32.0	30	38	18	140
TI323F		15/16"	35.0	30	38	18	160
TI324	24		35.0	30	45	21	170
TI325	25		35.0	30	45	21	170
TI325F		1"	35.0	30	38	21	200
TI326	26		38.0	30	50	21	200
TI327	27		38.0	30	50	23	260
TI327F		1.1/16"	38.0	30	50	23	260
TI328	28		38.0	30	50	23	260
TI328F		1.1/8"	38.0	30	40	23	220
TI329	29		41.0	30	50	23	290
TI330	30		41.0	30	50	24	290
TI330F		1.3/16"	41.0	30	50	24	290
TI331	31		44.0	30	50	24	290
TI331F		1.1/4"	44.0	35	40	24	240
TI332	32		44.0	30	50	26	300
TI333	33		45.0	30	50	26	300
TI333F		1.5/16"	45.0	35	43	26	260
TI334	34		49.0	35	46	26	300
TI335	35		49.0	38	50	26	300
TI335F		1.3/8"	49.0	38	50	28	300
TI336	36		49.0	35	50	28	300
TI336F		1.7/16"	49.0	38	50	28	300
TI337	37		52.0	38	50	28	400
TI338	38		52.0	38	50	28	400
TI338F		1.1/2"	52.0	38	50	30	400

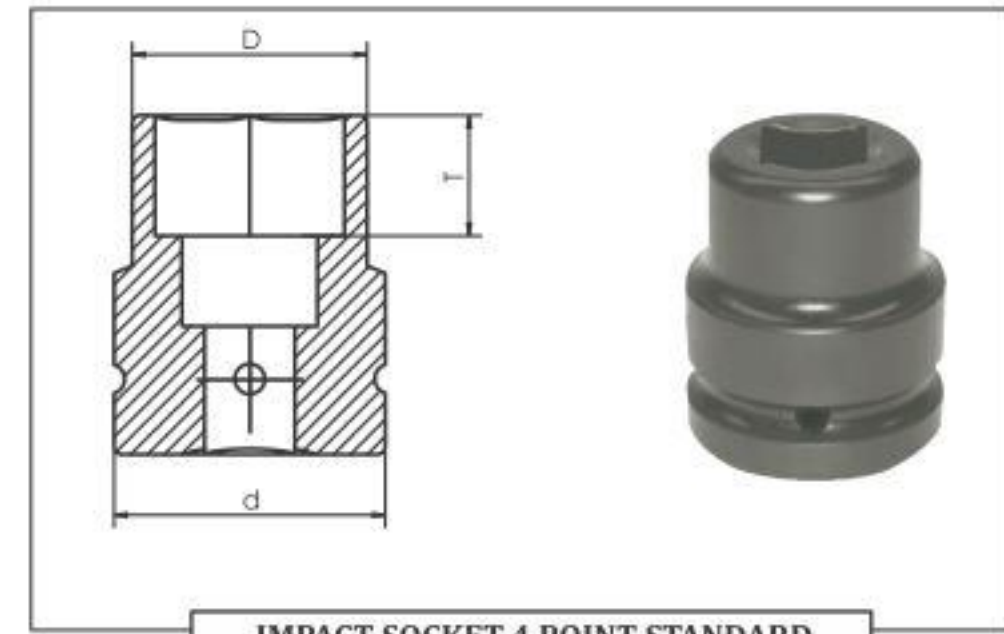
## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL308	8		15.0	25	78	10	160
TIL309	9		16.0	25	78	10	160
TIL309F		3/8"	16.0	25	78	10	140
TIL310	10		17.0	25	78	10	160
TIL311	11		19.0	25	78	12	160
TIL311F		7/16"	18.0	25	78	12	140
TIL312	12		20.0	25	78	12	170
TIL312F		1/2"	20.0	25	78	12	140
TIL313	13		21.0	25	78	12	170
TIL314	14		22.0	25	78	13	170
TIL314F		9/16"	22.0	25	78	13	200
TIL315	15		24.0	30	78	14	240
TIL315F		5/8"	25.0	25	78	14	200
TIL316	16		25.0	30	78	14	250
TIL317	17		26.0	30	78	14	250
TIL317F		11/16"	25.0	25	78	14	190
TIL318	18		27.5	30	78	14	260
TIL319	19		27.5	30	78	16	250
TIL319F		3/4"	27.5	30	78	16	250
TIL320	20		30.0	30	78	16	280
TIL320F		13/16"	30.0	30	78	16	280
TIL321	21		30.0	30	78	18	250
TIL322	22		32.0	30	78	18	280
TIL322F		7/8"	32.0	30	78	18	280
TIL323	23		32.0	30	78	18	280
TIL323F		15/16"	35.0	30	78	18	300
TIL324	24		35.0	30	78	21	300
TIL325	25		35.0	30	78	21	300
TIL325F		1"	35.0	30	78	21	380
TIL326	26		38.0	30	78	21	380
TIL327	27		38.0	30	78	23	430
TIL327F		1.1/16"	38.0	30	78	23	430
TIL328	28		38.0	30	78	23	430
TIL328F		1.1/8"	38.0	30	78	23	480
TIL329	29		41.0	30	78	23	430
TIL330	30		41.0	30	78	24	480
TIL330F		1.3/16"	41.0	30	78	24	430
TIL331	31		44.0	30	78	24	500
TIL331F		1.1/4"	44.0	35	78	24	500
TIL332	32		44.0	30	78	26	500
TIL333	33		45.0	30	78	26	550
TIL333F		1.5/16"	45.0	35	78	26	550
TIL334	34		49.0	35	78	26	600
TIL335	35		49.0	38	78	26	600
TIL335F		1.3/8"	49.0	38	78	28	600
TIL336	36		49.0	35	78	28	600
TIL336F		1.7/16"	49.0	38	78	28	600
TIL337	37		52.0	38	78	28	790
TIL338	38		52.0	38	78	28	790
TIL338F		1.1/2"	52.0	38	78	30	790

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

## IMPACT SOCKET 4 POINT STANDARD

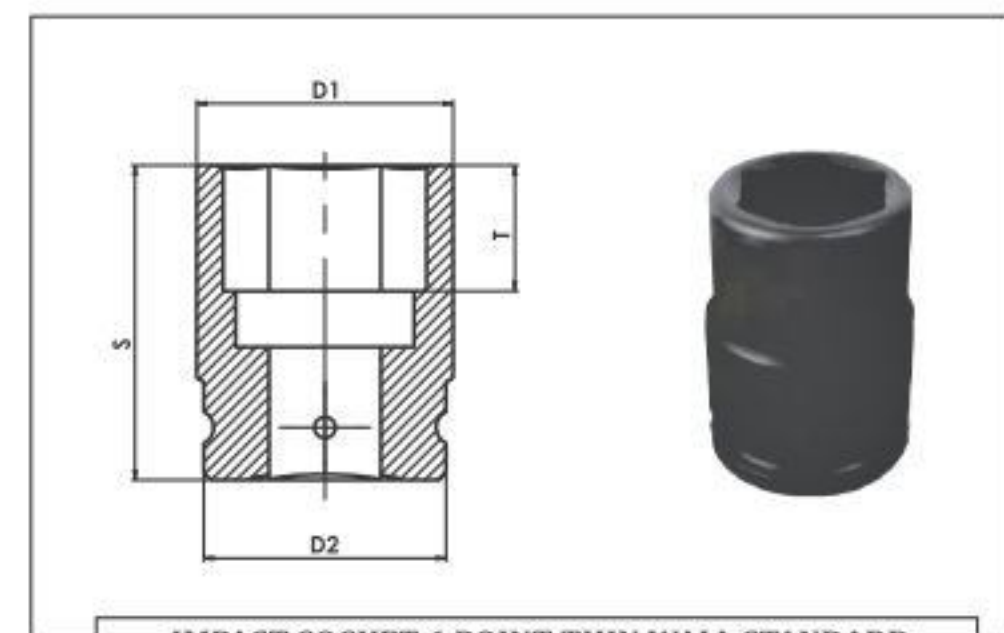
PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	Weight kg
T4305	5	11	25	38	5	0.07
T4307	7	13.5	25	38	7	0.07
T4308	8	16	25	38	8	0.08
T4309	9	17.5	25	38	9	0.08
T4310	10	19.5	25	38	10	0.08
T4311	11	21	25	38	11	0.09
T4312	12	22.5	25	38	12	0.12
T4313	13	29.5	25	50	17	0.12
T4314	14	30	25	50	14	0.19
T4315	15	30.5	30	50	15	0.15
T4316	16	30.5	30	50	16	0.15
T4317	17	31.5	30	50	17	0.21
T4318	18	32.5	30	50	18	0.16
T4319	19	35	30	50	19	0.24
T4320	20	36.5	30	50	20	0.23
T4321	21	38	30	50	21	0.26
T4322	22	40.5	30	50	22	0.29
T4324	24	42.5	30	50	22	0.30
T4325	25	44	40	60	22	0.48
T4327	27	49	40	60	24	0.56
T4330	30	54	40	60	25	0.64



IMPACT SOCKET 4 POINT STANDARD

## IMPACT SOCKET 6 POINT THIN WALL STANDARD

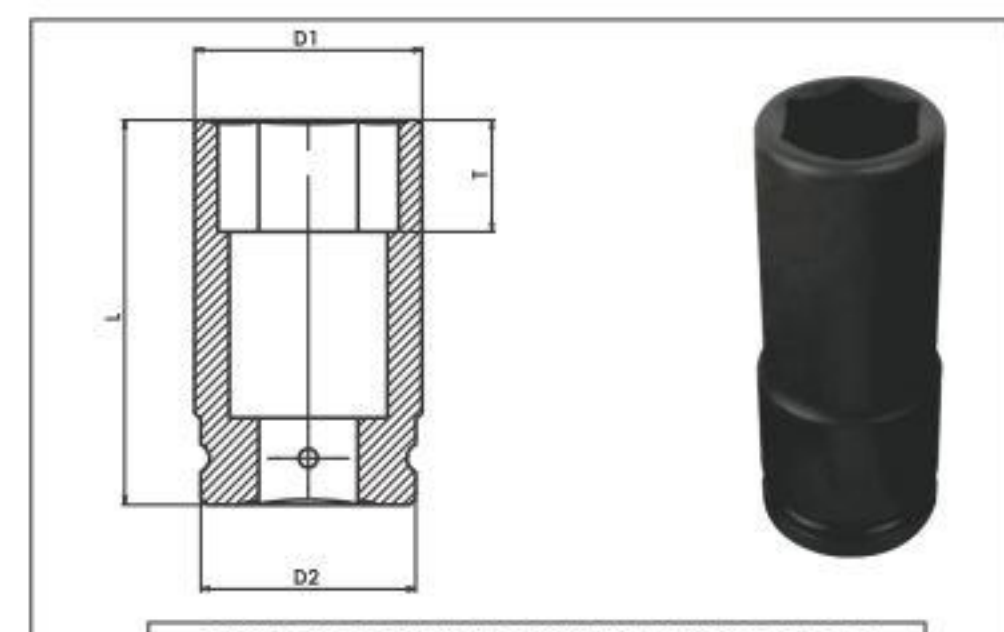
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TT313	13		21	25	38	6.0	70
TT314	14		22	25	38	7.0	72
TT314F		9/16"	22	24	38	7.0	72
TT315	15		24	30	38	7.0	110
TT315F		5/8"	25	25	38	8.0	70
TT316	16		25	30	38	8.0	110
TT317	17		25	30	38	9.0	110
TT317F		11/16"	25	25	38	9.0	70
TT318	18		25	30	38	9.0	110
TT319	19		28	30	38	9.5	110
TT319F		3/4"	28	30	38	9.5	110
TT320	20		28	30	38	10.0	110
TT320F		13/16"	28	30	38	11.0	110
TT321	21		30	30	38	11.0	119
TT322	22		30	30	38	11.0	119
TT322F		7/8"	30	30	38	13.0	120
TT323	23		32	30	38	13.0	140
TT323F		15/16"	33	30	38	13.0	160
	24		33	30	45	13.0	160



IMPACT SOCKET 6 POINT THIN WALL STANDARD

## IMPACT SOCKET 6 POINT THIN WALL LONG

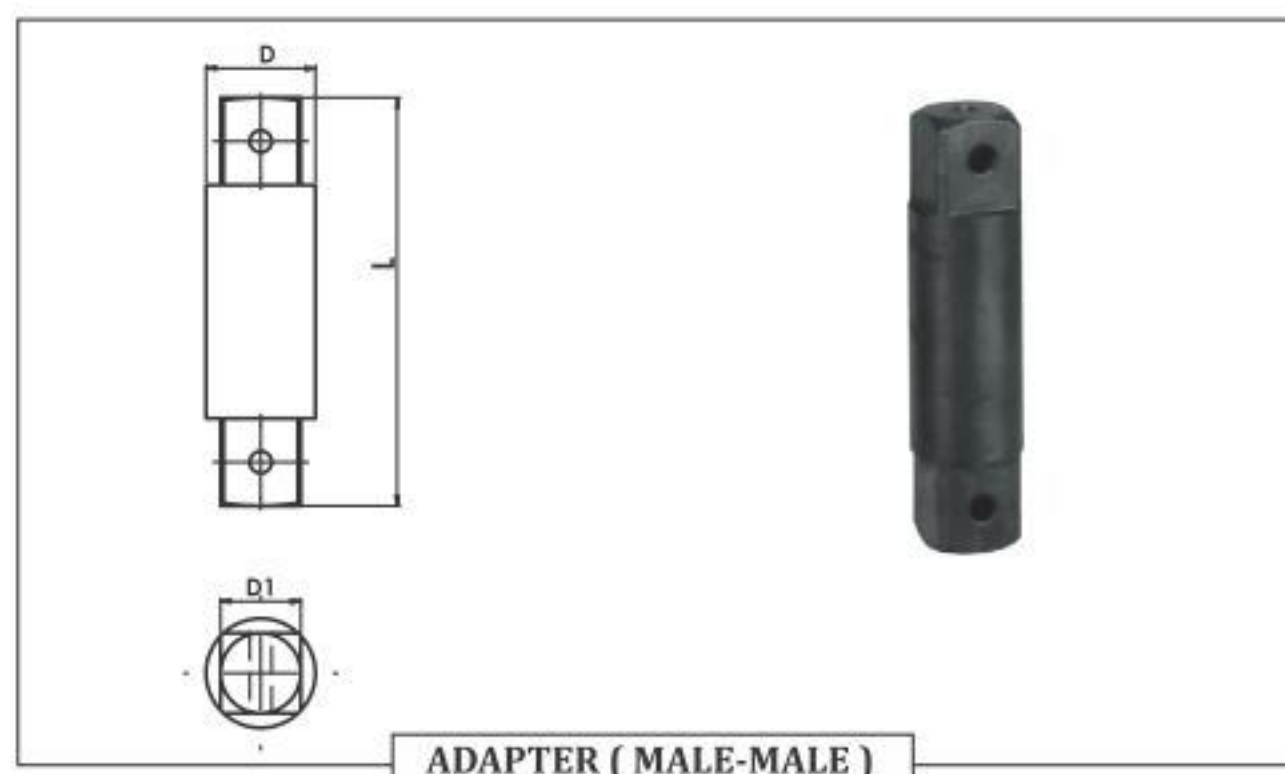
PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TTL313	13		21	25	78	6.0	240
TTL314	14		22	25	78	7.0	240
TTL314F		9/16"	22	24	78	7.0	240
TTL315	15		24	30	78	7.0	240
TTL315F		5/8"	25	25	78	8.0	240
TTL316	16		25	30	78	8.0	240
TTL317	17		25	30	78	9.0	240
TTL317F		11/16"	25	25	78	9.0	130
TTL318	18		25	30	78	9.0	130
TTL319	19		28	30	78	9.5	230
TTL319F		3/4"	28	30	78	9.5	230
TTL320	20		28	30	78	10.0	230
TTL320F		13/16"	28	30	78	11.0	230
TTL321	21		30	30	78	11.0	230
TTL322	22		30	30	78	11.0	230
TTL322F		7/8"	30	30	78	13.0	230
TTL323	23		32	30	78	13.0	230
TTL323F		15/16"	33	30	78	13.0	230
	24		33	30	78	13.0	230



IMPACT SOCKET 6 POINT THIN WALL LONG

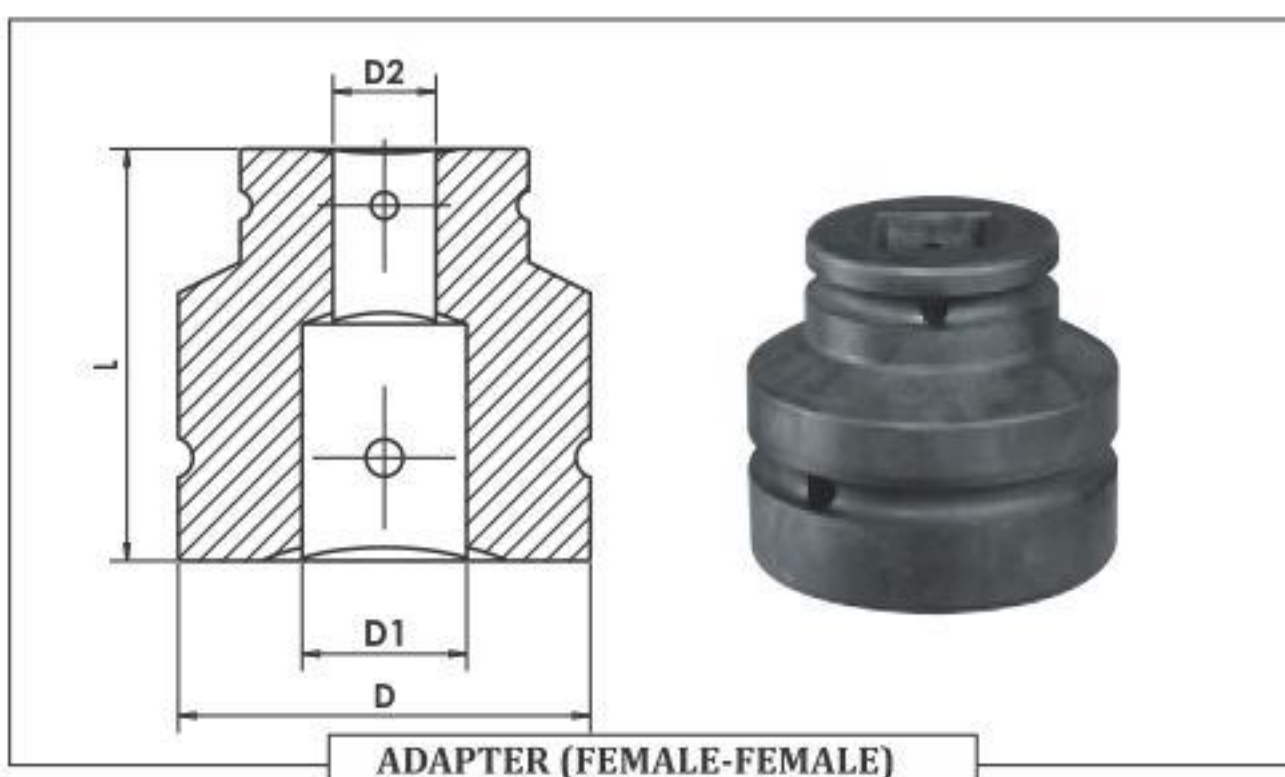
## ADAPTER ( MALE-MALE )

Part No.	Type	Male	D mm	L mm	Wt (gm)
TA301		1/2"	16.8	50	65
TA302		1/2"	16.8	76	125
TA303	1/2"D	1/2"	16.8	127	235
TA304		1/2"	16.8	254	425



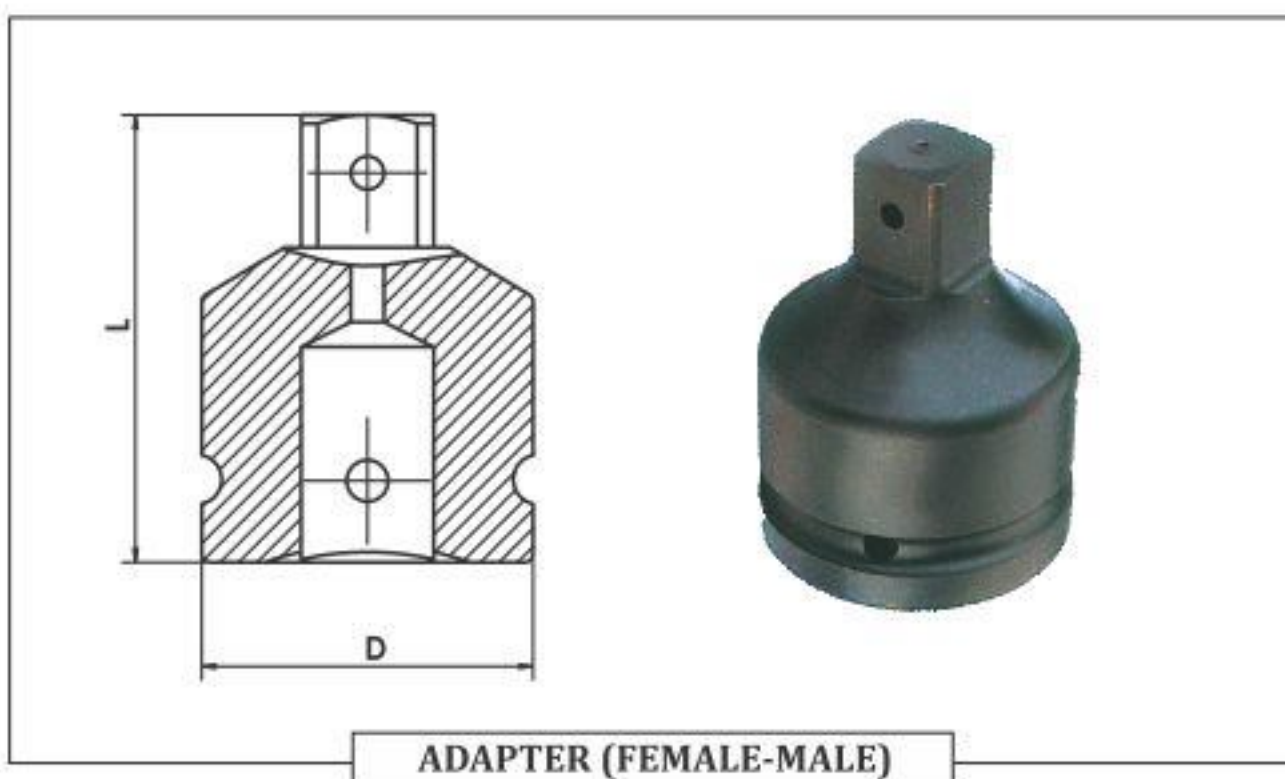
## ADAPTER ( FEMALE-FEMALE )

Part No.	Type	D1 mm	D2 mm	D mm	L mm	Wt (gm)
TA305		1/2"	1/2"	25	33	75
TA306	1/2"D	5/8"	1/2"	35	41	175
TA307		3/4"	1/2"	44	49	325



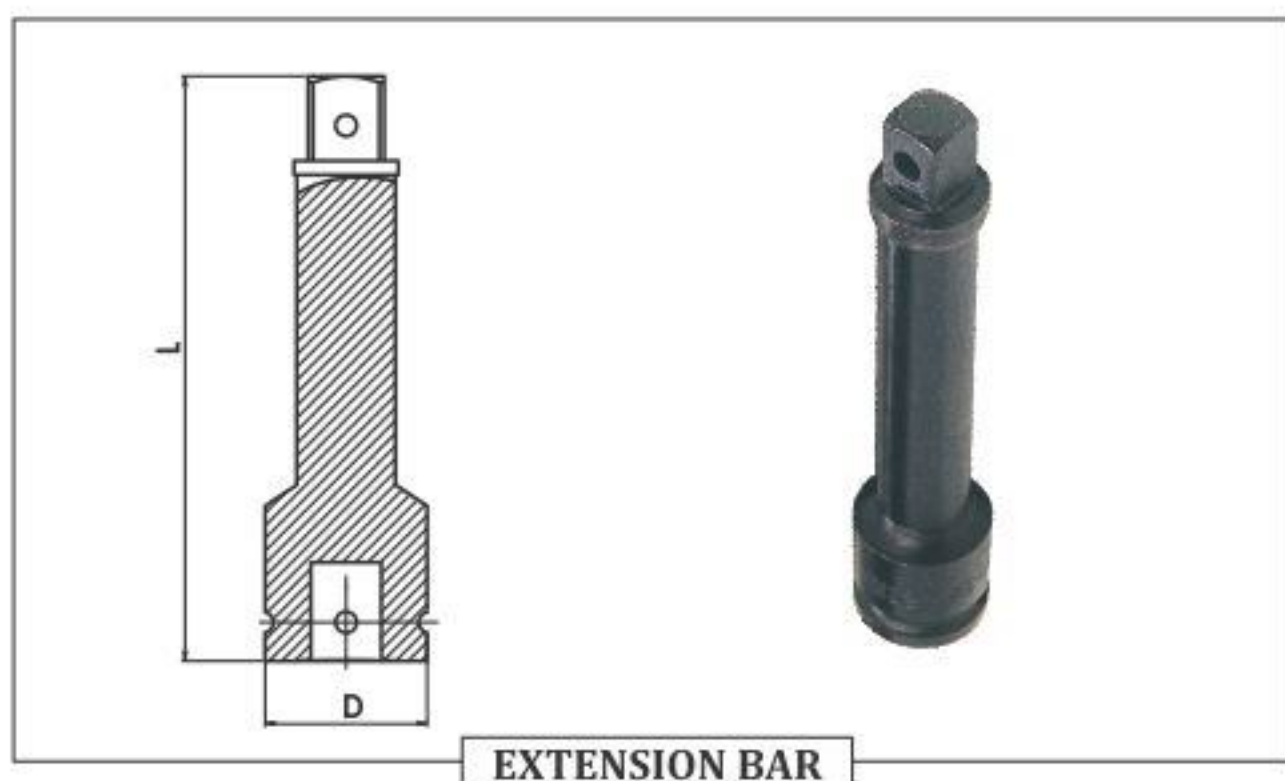
## ADAPTER ( FEMALE-MALE )

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA308		1/2"	3/8"	25	38	75
TA309	1/2"D	1/2"	5/8"	25	35	95
TA310		1/2"	3/4"	30	48	185



## EXTENSION BAR

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TAE311		1/2"	1/2"	30	75	175
TAE312	1/2"D	1/2"	1/2"	30	125	250
TAE313		1/2"	1/2"	30	250	475



Automotive Purpose

## UNIVERSAL JOINT

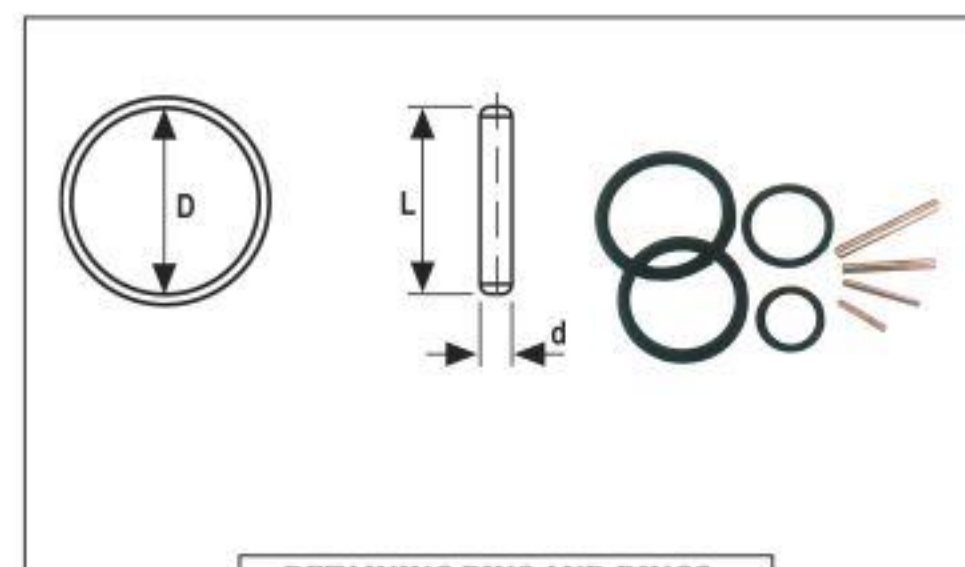
Part No.	Type	Type	D mm	L mm	Wt (gm)
TAU3014	1/2"D	1/2"	32	52	180



UNIVERSAL JOINT

## RETAINING PINS AND RINGS

Part No.		Type	For Socket		Pin		Ring
Retainig Pin	Ring		Square size	Dia. of Sq end	D mm	L mm	Wt (gm)
TAP315	TAR318	1/2"D	1/2"	25	3	20	19
TAP316	TAR319		1/2"	30	3	25	24
TAP317	TAR320		1/2"	35	3	30	30



RETAINING PINS AND RINGS

## ACCESSORIES (MANUAL)

Part No.	Type	Discription	Overall Length
TSB-3		Sliding T- Handle	300
TSH-3		Swivel T Handle	380
TAH-3	1/2"D	L- Handle	165
TRR-3		Ratchet Handle	260
TQC-3		Quick Change Adaptor 1/4" Hex, Female, 1/2" Female	53

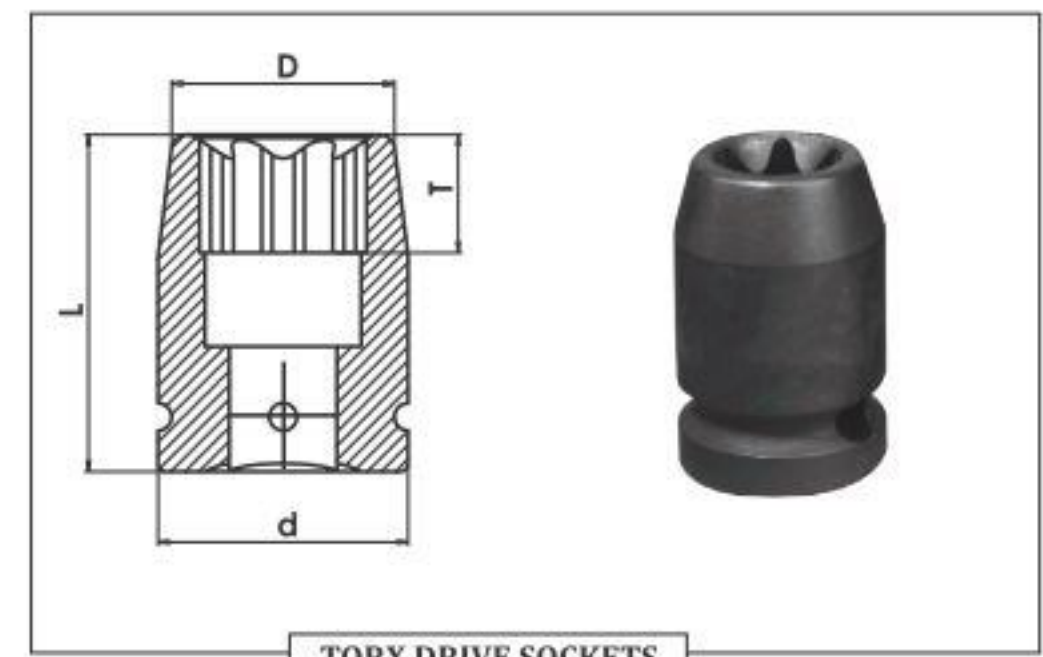


ACCESSORIES

# 3/4" SQUARE DRIVE

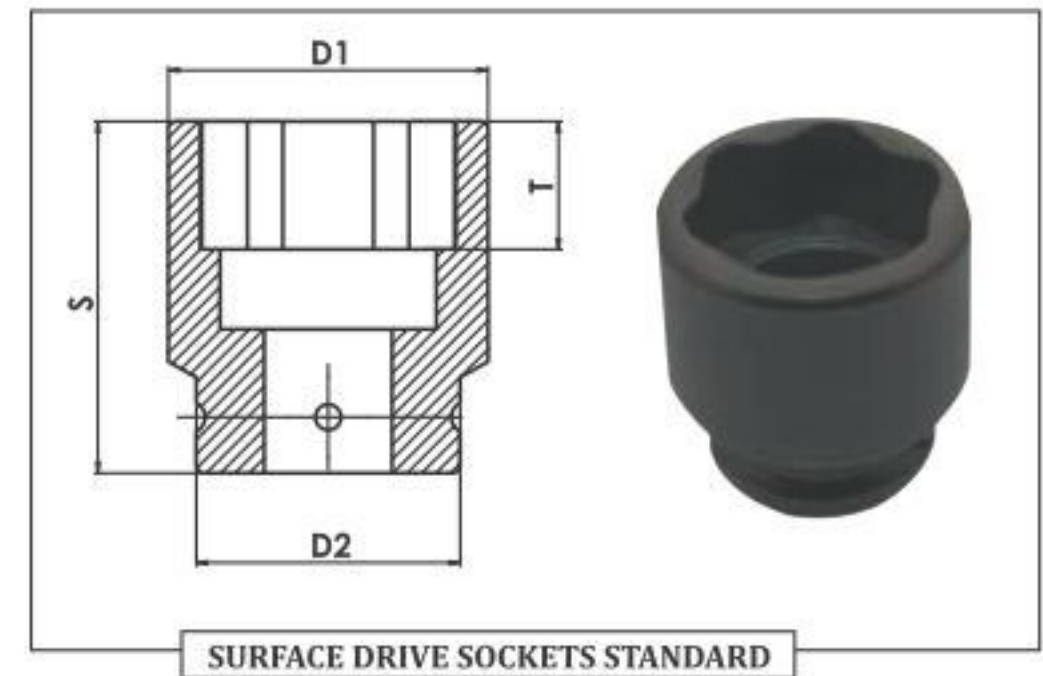
## TORX DRIVE SOCKETS

PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
TX414	14	19	44	50	9	0.32
TX416	16	21	44	50	11	0.32
TX418	18	24	44	50	12	0.33
TX420	20	26	44	50	13	0.38



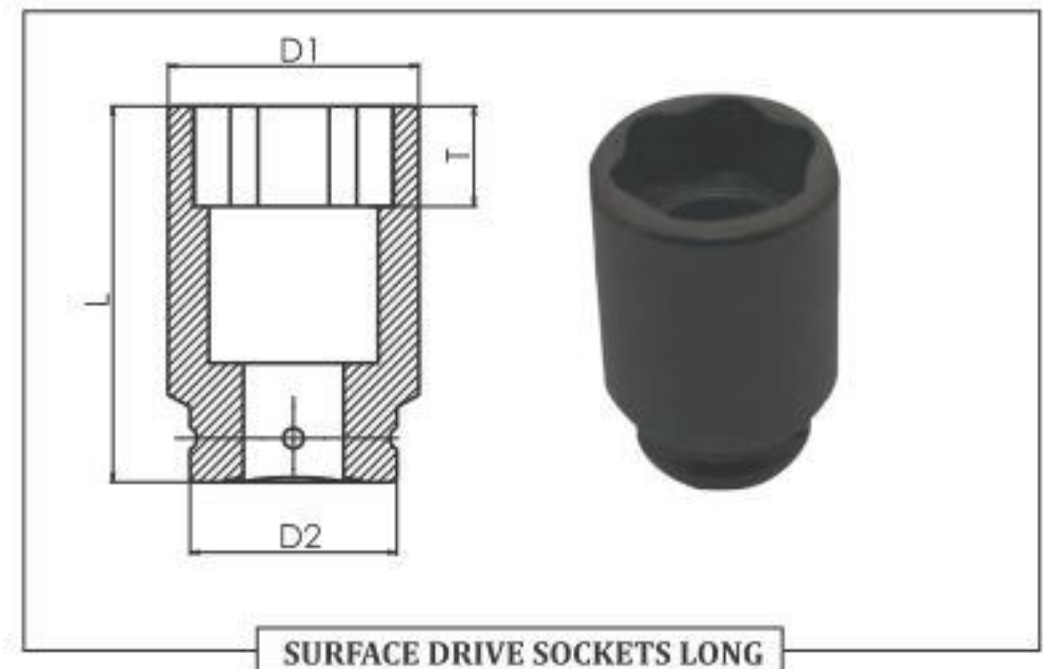
## SURFACE DRIVE SOCKETS STANDARD

PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	Weight kg
TS412	12	23	44	50	8	0.34
TS413	13	24	44	50	8	0.34
TS414	14	26	44	50	10	0.34
TS415	15	26	44	50	10	0.35
TS416	16	27	44	50	10	0.35
TS417	17	30	44	50	10	0.38
TS418	18	31	44	50	11	0.37
TS419	19	32	44	50	11	0.38
TS420	20	33	44	50	12	0.39
TS421	21	35	44	50	12	0.39
TS422	22	35	44	50	12	0.37
TS424	24	38.5	44	50	14	0.39
TS427	27	42	44	54	16	0.41
TS428	28	44	44	54	16	0.43
TS430	30	46	44	54	17	0.43
TS432	32	48.5	44	56	19	0.48
TS433	33	51	44	56	19	0.52
TS434	34	52	44	56	20	0.51



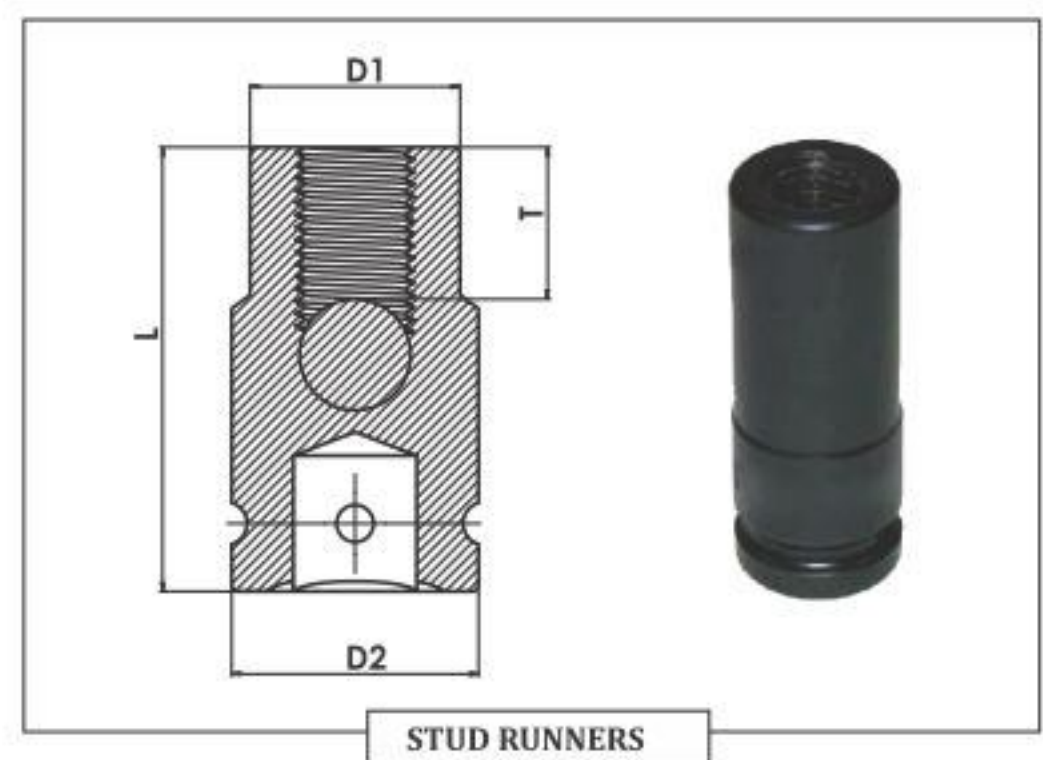
## SURFACE DRIVE SOCKETS LONG

PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	Weight kg
TSL417	17	31	44	100	10	0.60
TSL418	18	32	44	100	11	0.64
TSL419	19	33	44	100	11	0.66
TSL421	21	36	44	100	12	0.68
TSL422	22	36	44	100	12	0.70
TSL424	24	39.5	44	100	14	0.73
TSL427	27	43	44	100	16	0.78



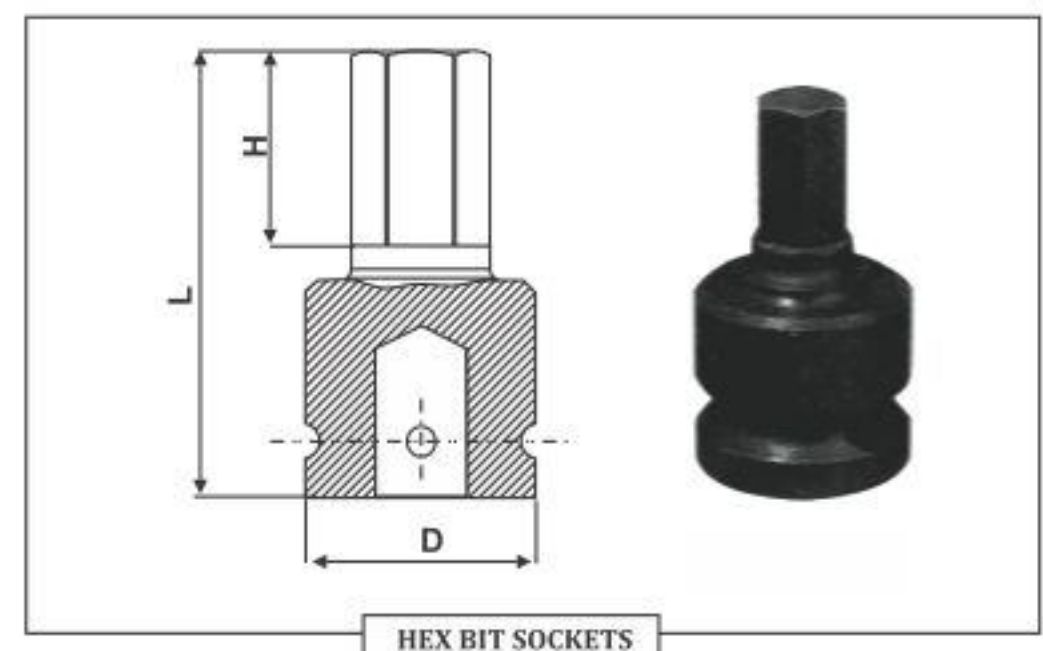
## STUD RUNNERS

PART NO.	A/F mm	PITCH mm	D mm	d mm	L mm	T mm	Weight kg
TR414	14	2	32	44	80	18	0.60
TR416	16	2	32	44	80	20	0.58
TR418	18	2.5	36	44	80	22	0.65
TR420	20	2.5	38	44	80	25	0.65
TR422	22	2.5	40	44	80	25	0.69
TR424	24	3	44	44	80	25	0.73
TR427	27	3	48	44	100	30	1.08
TR430	30	3.5	52	44	100	32	1.25
TR433	33	3.5	55	44	100	36	0.35
TR436	36	4	58	44	110	40	1.62
TR439	39	4	62	44	110	44	1.83



## HEX BIT SOCKET

Part No.	A/F Inch	A/F Inch	L (mm)	H mm
TH412		12	80	30
TH412F	1/2"		80	30
TH414		14	80	30
TH414F	9/16"		80	30
TH417		17	90	40
TH417F	5/8"		90	40
TH419		19	95	40
TH419F	3/4"		95	40
TH422		22	95	45
TH422F	7/8"		95	45
TH424		24	100	50

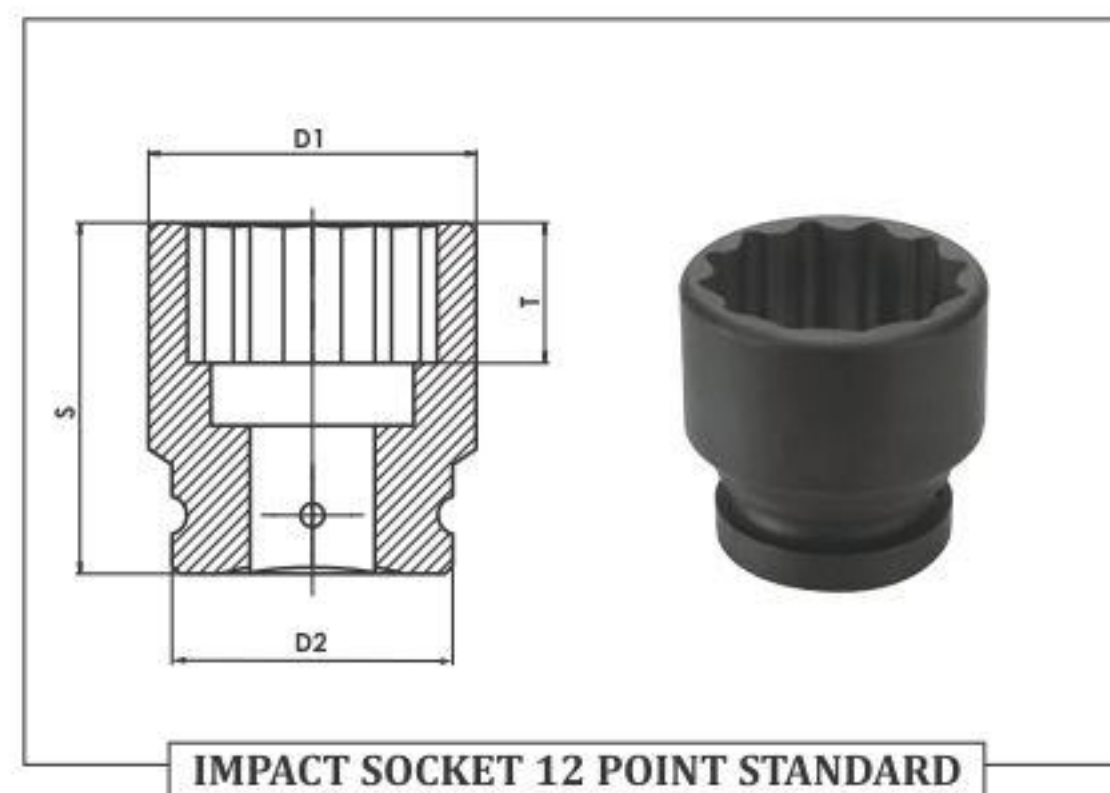
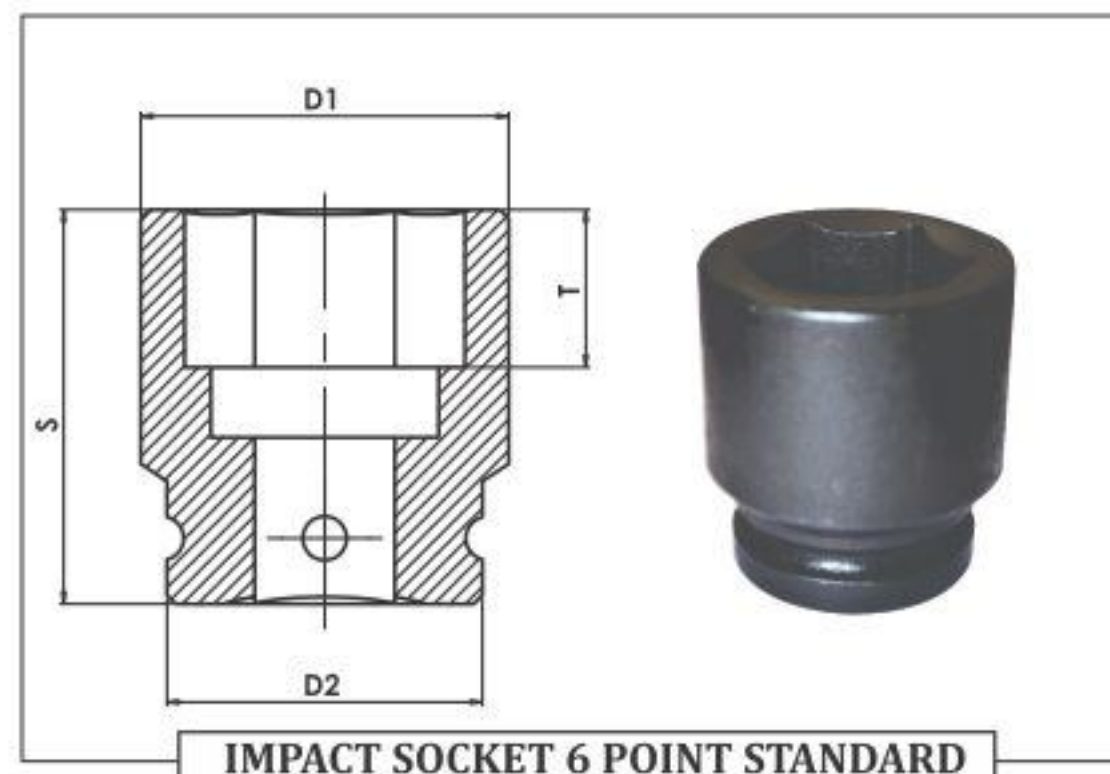




# 3/4" SQUARE DRIVE

## IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI412F		1/2"	24	44	45	13	295
TI413	13		25	44	45	13	295
TI414	14		25	44	45	13	295
TI414F		9/16"	25	44	45	13	295
TI415	15		29	44	45	14	295
TI415F		5/8"	29	44	45	14	295
TI416	16		29	44	45	14	295
TI417	17		29	44	45	14	295
TI417F		11/16"	29	44	45	14	295
TI418	18		32	44	45	14	295
TI419	19		32	44	45	16	295
TI419F		3/4"	32	44	45	16	295
TI420	20		35	44	46	16	345
TI420F		13/16"	35	44	46	16	345
TI421	21		35	44	46	16	345
TI422	22		38	44	46	18	345
TI422F		7/8"	38	44	46	18	345
TI423	23		38	44	46	18	345
TI423F		15/16"	40	44	46	18	345
TI424	24		40	44	46	21	345
TI425	25		41	44	46	21	345
TI425F		1"	41	44	46	21	345
TI426	26		41	44	46	21	385
TI427	27		41	44	48	23	385
TI427F		1.1/16"	41	44	48	23	385
TI428	28		44	44	48	23	385
TI428F		1.1/8"	44	44	52	23	385
TI429	29		44	44	52	23	385
TI430	30		44	44	52	24	425
TI430F		1.3/16"	44	44	52	24	425
TI431	31		49	44	52	24	425
TI431F		1.1/4"	49	44	52	24	425
TI432	32		49	44	52	26	435
TI433	33		49	44	52	26	435
TI433F		1.5/16"	49	44	55	26	435
TI434	34		52	44	55	26	465
TI435	35		52	44	55	26	465
TI435F		1.3/8"	52	44	55	26	465
TI436	36		52	44	55	28	465
TI436F		1.7/16"	52	44	56	28	465
TI437	37		54	44	56	28	495
TI438	38		54	44	59	30	525
TI438F		1.1/2"	54	44	59	30	525
TI439	39		57	44	59	30	525
TI439F		1.9/16"	57	44	59	30	525
TI440	40		57	44	59	30	525
TI441	41		57	44	59	36	555
TI441F		1.5/8"	57	44	59	36	555
TI442	42		60	44	59	36	600
TI443	43		63	44	64	36	600
TI443F		1.11/16"	63	44	64	36	600
TI444	44		63	44	64	36	600
TI444F		1.3/4"	63	44	64	36	600
TI445	45		63	44	64	36	855
TI446	46		67	44	64	36	855
TI446F		1.13/16"	67	44	64	36	855
TI447	47		67	54	64	36	915
TI447F		1.7/8"	67	54	67	36	915
TI448	48		67	54	67	36	955
TI449	49		70	54	67	36	955
TI449F		1.15/16"	70	54	67	36	955
TI450	50		70	54	67	39	1045
TI451	51		73	54	67	39	1045
TI451F		2"	73	54	67	39	1045
TI452	52		73	54	67	39	1045
TI452F		2.1/16"	73	54	70	39	1045
TI454	54		73	54	71	39	1205
TI454F		2.1/8"	73	54	71	39	1205
TI455	55		78	54	71	41	1205
TI455F		2.3/16"	78	54	71	41	1205
TI456	56		78	54	71	41	1325
TI457	57		82	54	74	41	1325
TI457F		2.1/4"	82	54	74	41	1325
TI458	58		82	54	74	41	1325
TI459	59		82	54	75	41	1325

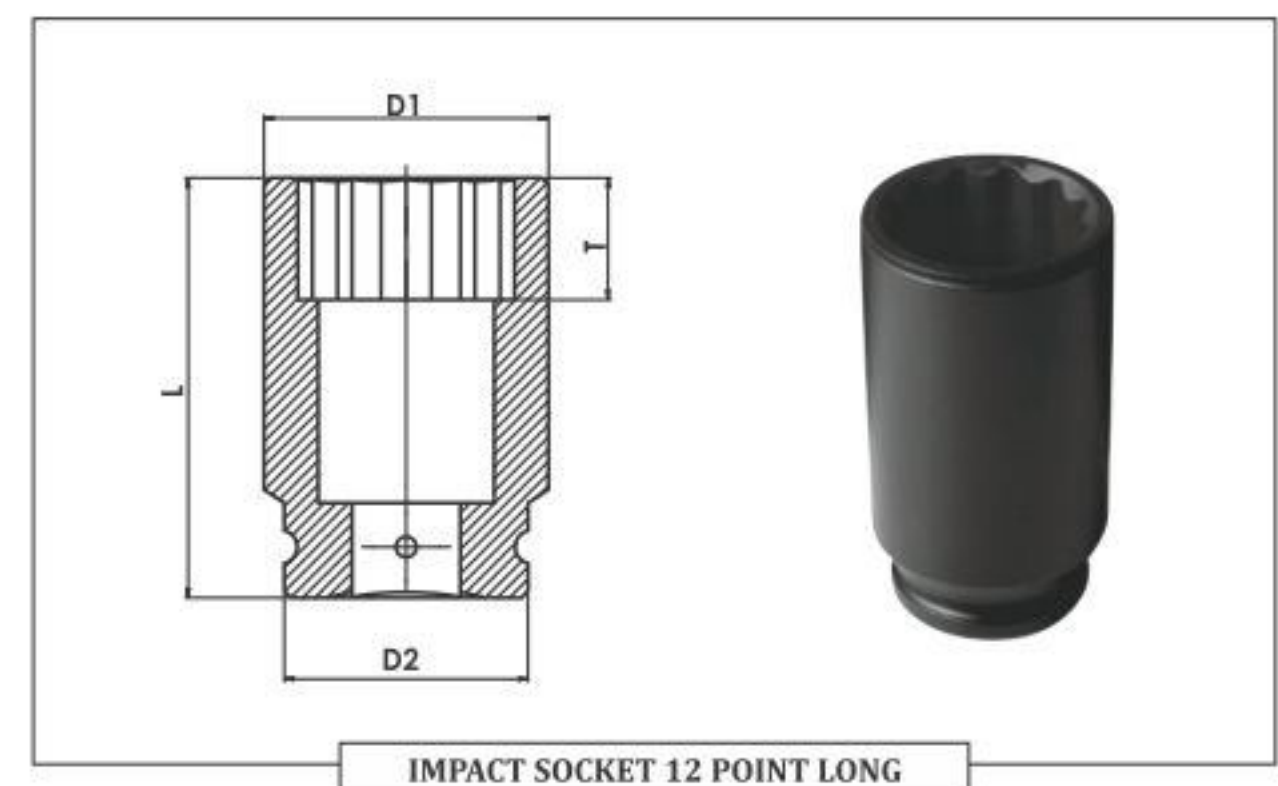
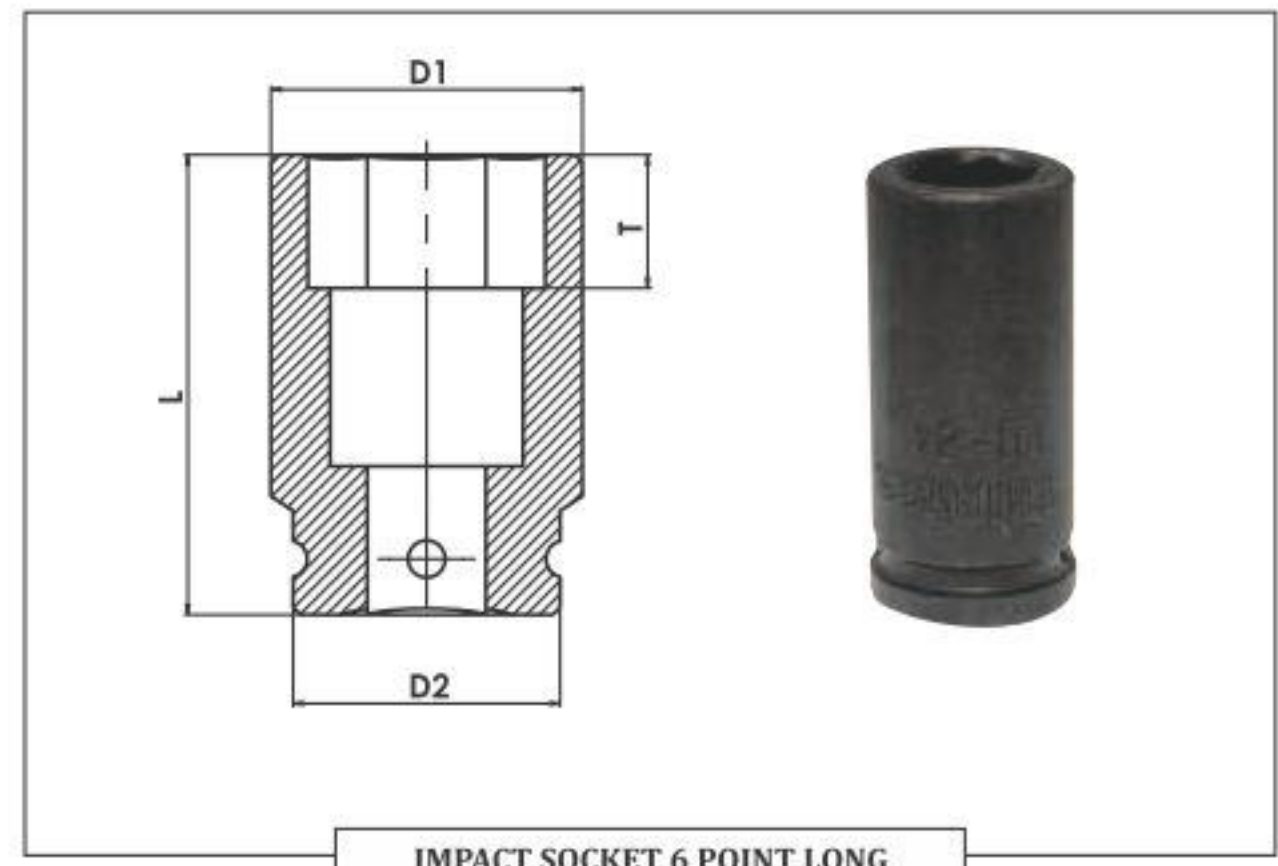


**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.

To order Bi-Hex suffix above part numbers with "BH"

## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL412F		1/2"	24	44	90	13	755
TIL413	13		25	44	90	13	755
TIL414	14		25	44	90	13	755
TIL414F		9/16"	25	44	90	13	755
TIL415	15		29	44	90	14	755
TIL415F		5/8"	29	44	90	14	755
TIL416	16		29	44	90	14	755
TIL417	17		29	44	90	14	755
TIL417F		11/16"	29	44	90	14	755
TIL418	18		32	44	90	14	755
TIL419	19		32	44	90	16	755
TIL419F		3/4"	32	44	90	16	755
TIL420	20		35	44	90	16	755
TIL420F		13/16"	35	44	90	16	755
TIL421	21		35	44	90	16	755
TIL422	22		38	44	90	18	755
TIL422F		7/8"	38	44	90	18	755
TIL423	23		38	44	90	18	755
TIL423F		15/16"	40	44	90	18	755
TIL424	24		40	44	90	21	755
TIL425	25		41	44	90	21	755
TIL425F		1"	41	44	90	21	755
TIL426	26		41	44	90	21	755
TIL427	27		41	44	90	23	755
TIL427F		1.1/16"	41	44	90	23	755
TIL428	28		44	44	90	23	695
TIL428F		1.1/8"	44	44	90	23	695
TIL429	29		44	44	90	23	695
TIL430	30		44	44	90	24	695
TIL430F		1.3/16"	44	44	90	24	695
TIL431	31		49	44	90	24	785
TIL431F		1.1/4"	49	44	90	24	785
TIL432	32		49	44	90	26	785
TIL433	33		49	44	90	26	785
TIL433F		1.5/16"	49	44	90	26	785
TIL434	34		52	44	90	26	805
TIL435	35		52	44	90	26	805
TIL435F		1.3/8"	52	44	90	26	805
TIL436	36		52	44	90	28	805
TIL436F		1.7/16"	52	44	90	28	805
TIL437	37		54	44	90	28	855
TIL438	38		54	44	90	30	855
TIL438F		1.1/2"	54	44	90	30	855
TIL439	39		57	44	90	30	925
TIL439F		1.9/16"	57	44	90	30	925
TIL440	40		57	44	90	30	925
TIL441	41		57	44	90	36	1025
TIL441F		1.5/8"	57	44	90	36	1025
TIL442	42		60	44	90	36	1025
TIL443	43		63	44	90	36	1025
TIL443F		1.11/16"	63	44	90	36	1025
TIL444	44		63	44	90	36	1025
TIL444F		1.3/4"	63	44	90	36	1355
TIL445	45		63	44	90	36	1355
TIL446	46		67	44	90	36	1355
TIL446F		1.13/16"	67	44	90	36	1355
TIL447	47		67	54	90	36	1355
TIL447F		1.7/8"	67	54	90	36	1405
TIL448	48		67	54	90	36	1405
TIL449	49		70	54	90	36	1505
TIL449F		1.15/16"	70	54	90	36	1505
TIL450	50		70	54	90	39	1505
TIL451	51		73	54	90	39	1505
TIL451F		2"	73	54	90	39	1505
TIL452	52		73	54	94	39	1505
TIL452F		2.1/16"	73	54	94	39	1505
TIL454	54		73	54	94	39	1805
TIL454F		2.1/8"	73	54	94	39	1805
TIL455	55		78	54	94	41	1805
TIL455F		2.3/16"	78	54	94	41	1905
TIL456	56		78	54	98	41	1905
TIL457	57		82	54	98	41	1905
TIL457F		2.1/4"	82	54	98	41	1905
TIL458	58		82	54	98	41	1905
TIL459	59		82	54	98	41	1905

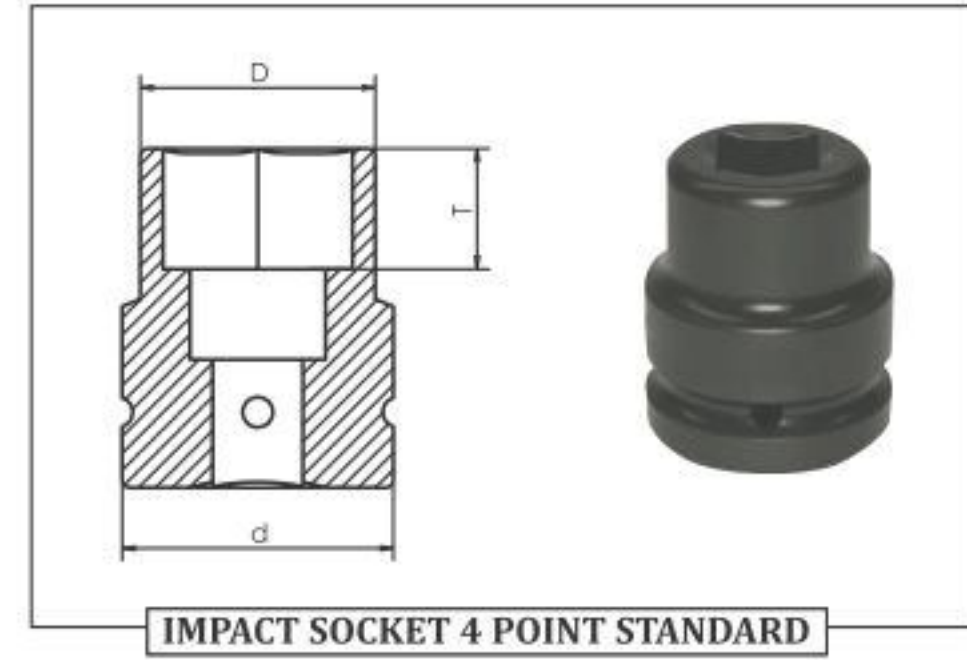


**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.

To order Bi-Hex suffix above part numbers with "BH"

## IMPACT SOCKET 4 POINT STANDARD

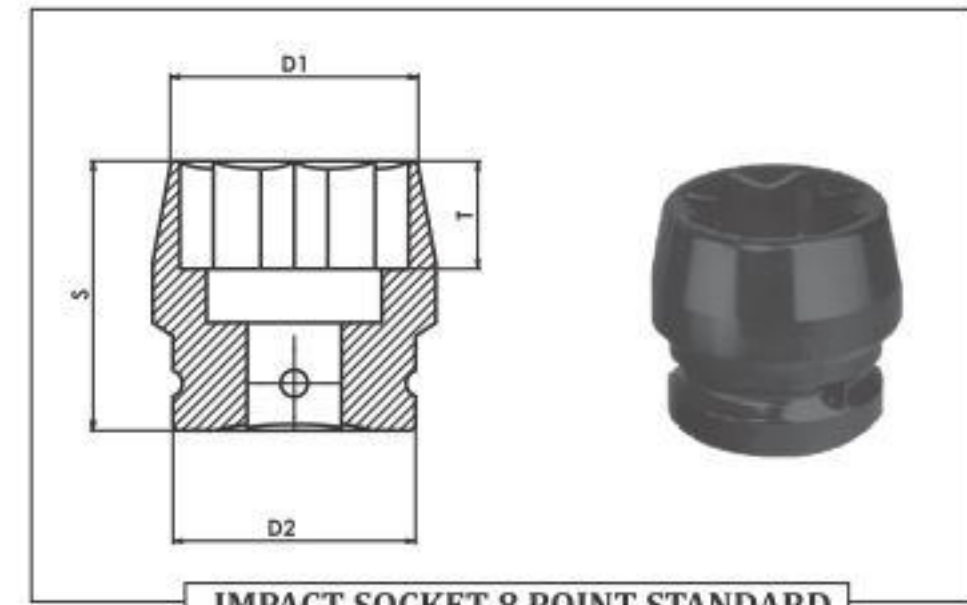
PART NO.	A/F mm	D mm	d mm	L mm	T mm	Weight kg
T4413	13	25	44	60	13	0.27
T4416	16	32	44	60	16	0.40
T4417	17	35	44	60	17	0.40
T4418	18	36	44	60	18	0.42
T4419	19	38	44	60	19	0.43
T4420	20	40	44	60	20	0.46
T4421	21	42	44	60	20	0.48
T4422	22	44	44	60	20	0.50
T4423	23	46	44	60	22	0.51
T4424	24	47	44	60	22	0.55
T4425	25	51	44	60	22	0.55
T4426	26	51	44	60	22	0.55
T4427	27	52	44	60	22	0.55
T4428	28	53	44	60	22	0.64
T4430	30	56	44	65	25	0.73
T4432	32	58	44	65	25	0.76
T4433	33	60	44	65	25	0.82
T4434	34	61	44	70	30	0.88
T4435	35	62	44	70	30	0.89



IMPACT SOCKET 4 POINT STANDARD

## IMPACT SOCKET 8 POINT STANDARD

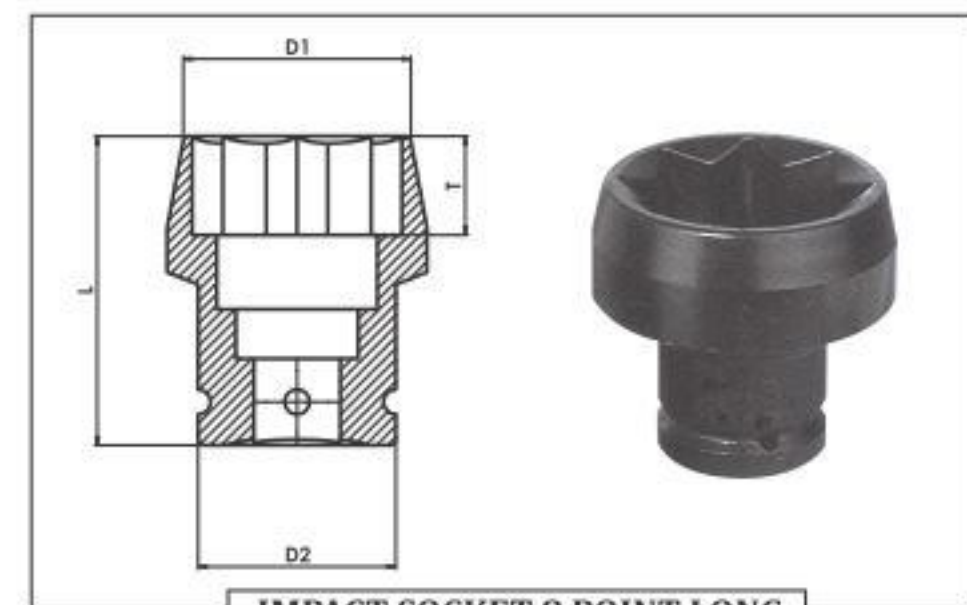
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
T8433F		1.1/4"	60	44	53	17.0	550
T8434F		1.5/16"	63	44	53	19.0	640
T8435	35		67	44	53	19.0	620
T8435F		1.3/8"	67	44	53	19.0	620
T8436F		1.7/16"	67	44	57	19.0	720
T8438	38		67	44	57	22.0	680
T8438F		1.1/2"	67	44	57	22.0	680
T8439F		1.9/16"	78	54	57	22.0	930
T8441	41		78	54	57	22.0	1000
T8441F		1.5/8"	78	54	57	22.0	1000
T8443	43		82	54	62	25.0	1200
T8443F		1.11/16"	82	54	62	25.0	1200
T84443F		1.3/4"	82	54	63	25.5	1150
T8446	46		82	54	63	25.5	1180
T8446F		1.13/16"	82	54	63	25.5	1180
T8447F		1.7/8"					



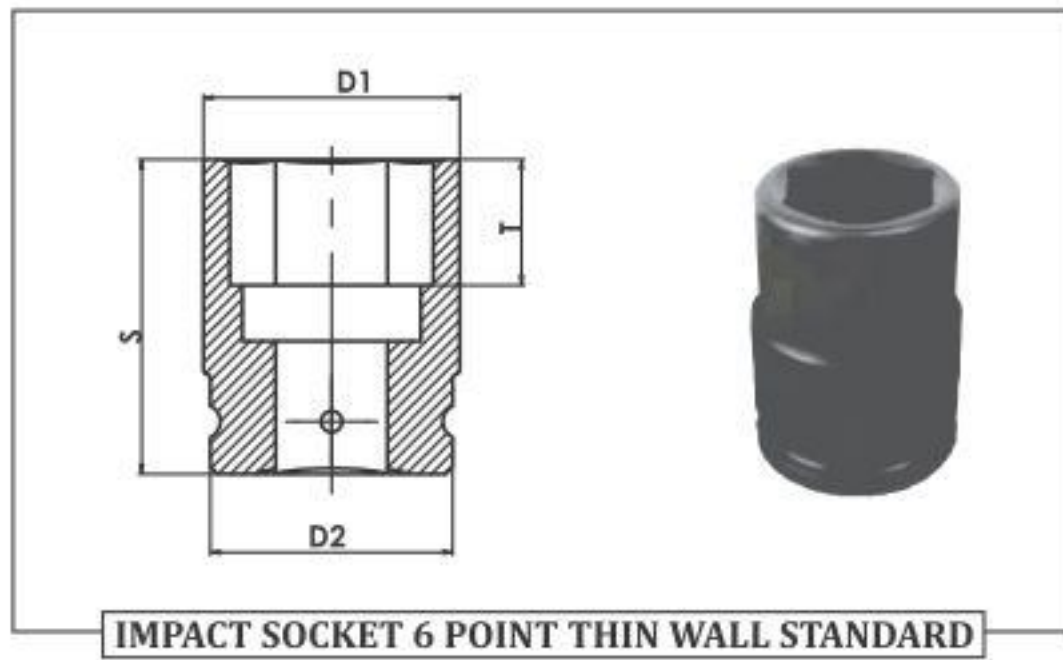
IMPACT SOCKET 8 POINT STANDARD

## IMPACT SOCKET 8 POINT LONG

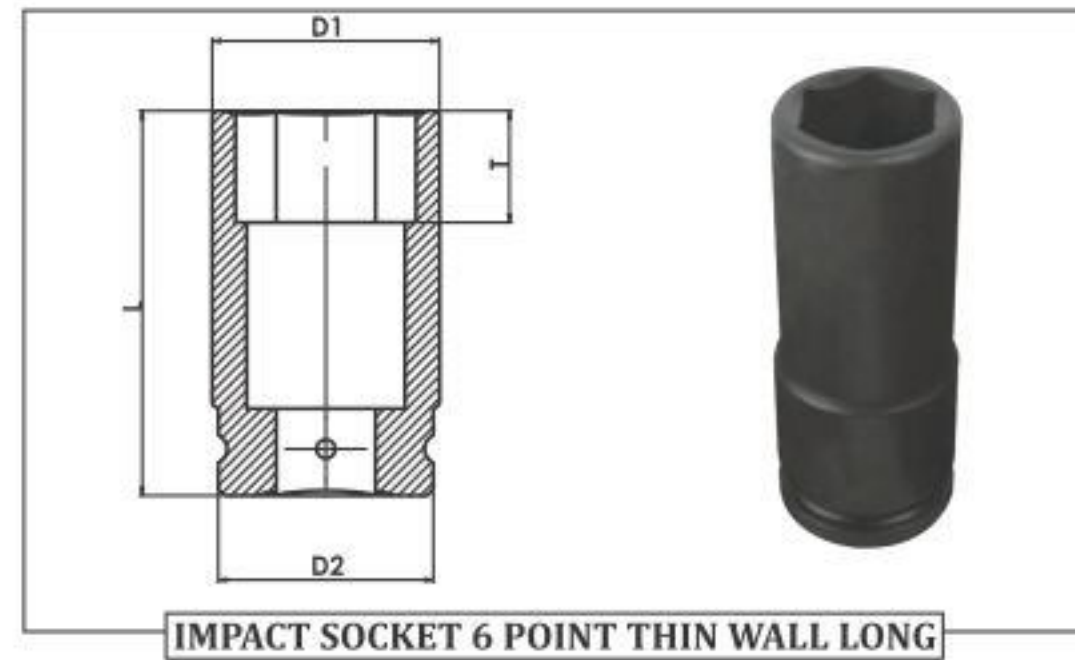
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
T8L433F		1.1/4"	60	44	81	17.0	770
T8L434F		1.5/16"	63	44	81	19.0	770
T8L435	35		67	44	81	19.0	820
T8L435F		1.3/8"	67	44	81	19.0	820
T8L436F		1.7/16"	67	44	81	19.0	800
T8L438	38		67	44	81	22.0	750
T8L438F		1.1/2"	67	44	81	22.0	750
T8L439F		1.9/16"	78	54	81	22.0	1200
T8L441	41		78	54	81	22.0	1200
T8L441F		1.5/8"	78	54	81	22.0	1200
T8L443	43		82	54	81	25.0	1300
T8L443F		1.11/16"	82	54	81	25.0	1300
T8L444F		1.3/4"	82	54	81	25.5	1300
T8L446	46		82	54	81	25.5	1300
T8L446F		1.13/16"	82	54	81	25.5	1300
T8L447F		1.7/8"					



IMPACT SOCKET 8 POINT LONG



IMPACT SOCKET 6 POINT THIN WALL STANDARD



IMPACT SOCKET 6 POINT THIN WALL LONG

## IMPACT SOCKET 6 POINT THIN WALL STANDARD

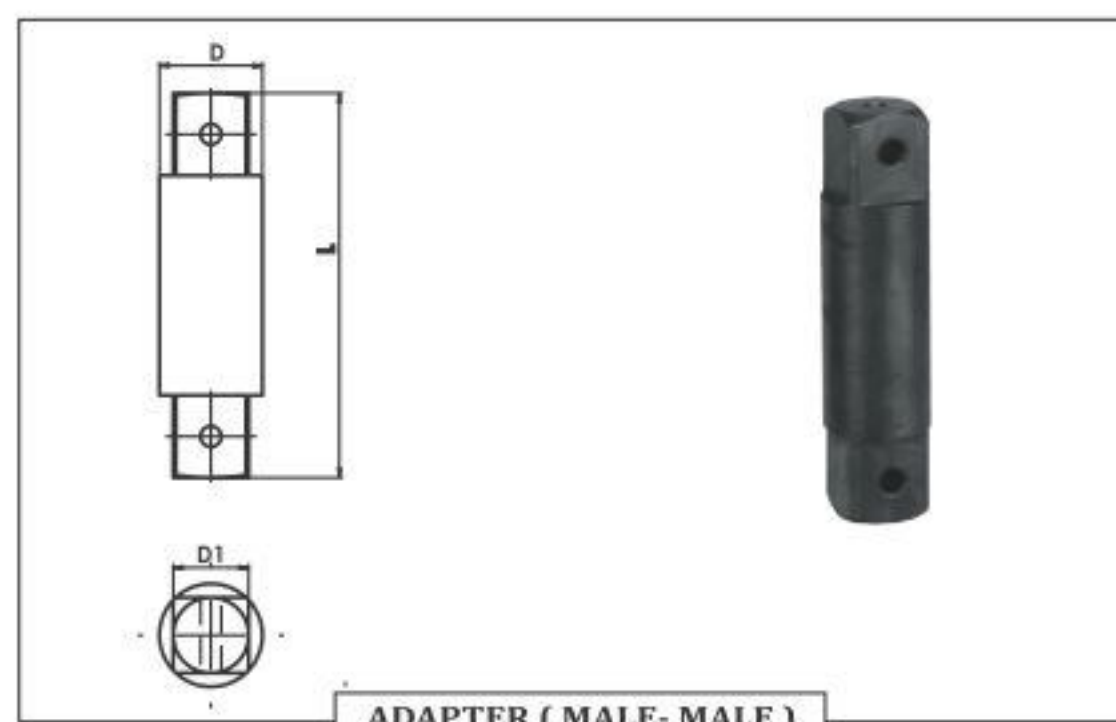
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TT417	17		28	44	45	9.0	305
TT417F		11/16"	28	44	45	9.0	305
TT418	18		30	44	45	9.0	305
TT419	19		30	44	45	9.5	305
TT419F		3/4"	30	44	45	9.5	305
TT420	20		35	44	46	10.0	355
TT420F		13/16"	35	44	46	11.0	355
TT421	21		35	44	46	11.0	355
TT422	22		35	44	46	11.0	355
TT422F		7/8"	35	44	46	13.0	355
TT423	23		35	44	46	13.0	355
TT423F		15/16"	38	44	46	13.0	355
TT424	24		38	44	46	13.0	355
TT425	25		38	44	46	13.0	355
TT425F		1"	38	44	46	13.0	355
TT426	26		41	44	46	13.0	355
TT426		1.1/16"	41	44	46	13.0	355
TT427	27		41	44	48	13.0	355
TT428	28		41	44	48	14.0	355
TT428F		1/8"	41	44	52	16.5	355
TT429	29		41	44	52	16.5	355
TT430	30		44	44	52	16.5	355
TT430F		1.3/16"	44	44	52	16.5	355
TT431	31		44	44	52	17.0	355
TT431F		1.1/4"	48	44	52	17.0	355
TT432	32		48	44	52	17.0	425
TT433	33		48	44	55	17.0	425
TT433F		1.5/16"	48	44	55	19.0	425
TT434	34		50	44	55	19.0	425
TT435	35		52	44	55	19.0	425
TT435F		1.3/8"	52	44	55	19.0	425
TT436	36		52	44	56	19.0	455
TT436F		1.7/16"	52	44	56	19.0	455
TT437	37		52	44	56	19.0	455
TT438	38		54	44	59	22.0	455
TT438F		1.1/2"	54	44	59	22.0	455
TT439	39		54	44	59	22.0	455
TT439F		1.9/16"	54	44	59	22.0	455
TT440	40		54	44	59	22.0	455
TT441	41		57	44	59	22.0	455
TT441F		1.5/8"	57	44	59	22.0	455
TT442	42		60	44	59	22.0	455
TT443	43		60	44	64	25.0	655
TT443F		1.11/16"	60	44	64	25.0	655
TT444	44		60	44	64	25.0	655
TT444F		1.3/4"	60	44	64	25.5	655
	45		60	44	64	25.5	655
	46		63	44	64	25.5	705
		1.13/16"	63	44	64	25.5	705

## IMPACT SOCKET 6 POINT THIN WALL LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TTL417	17		28	44	90	9.0	700
TTL417F		11/16"	28	44	90	9.0	705
TTL418	18		30	44	90	9.0	705
TTL419	19		30	44	90	9.5	705
TTL419F		3/4"	30	44	90	9.5	705
TTL420	20		35	44	90	10.0	705
TTL420F		13/16"	35	44	90	11.0	705
TTL421	21		35	44	90	11.0	705
TTL422	22		35	44	90	11.0	705
TTL422F		7/8"	35	44	90	13.0	705
TTL423	23		35	44	90	13.0	705
TTL423F		15/16"	38	44	90	13.0	705
TTL424	24		38	44	90	13.0	705
TTL425	25		38	44	90	13.0	705
TTL425F		1"	38	44	90	13.0	705
TTL426	26		41	44	90	13.0	705
TTL426F		1.1/16"	41	44	90	13.0	705
TTL427	27		41	44	90	13.0	705
TTL428	28		41	44	90	14.0	705
TTL428F		1/8"	41	44	90	16.5	705
TTL429	29		41	44	90	16.5	705
TTL430	30		44	44	90	16.5	705
TTL430F		1.3/16"	44	44	90	16.5	705
TTL431	31		44	44	90	17.0	705
TTL431F		1.1/4"	48	44	90	17.0	705
TTL432	32		48	44	90	17.0	755
TTL433	33		48	44	90	17.0	755
TTL433F		1.5/16"	48	44	90	19.0	755
TTL434	34		50	44	90	19.0	755
TTL435	35		52	44	90	19.0	755
TTL435F		1.3/8"	52	44	90	19.0	755
TTL436	36		52	44	90	19.0	885
TTL436F		1.7/16"	52	44	90	19.0	885
TTL437	37		52	44	90	19.0	885
TTL438	38		54	44	90	22.0	885
TTL438F		1.1/2"	54	44	90	22.0	885
TTL439	39		54	44	90	22.0	805
TTL439F		1.9/16"	54	44	90	22.0	805
TTL440	40		54	44	90	22.0	805
TTL441	41		57	44	90	22.0	805
TTL441F		1.5/8"	57	44	90	22.0	805
TTL442	42		60	44	90	22.0	805
TTL443	43		60	44	90	25.0	855
TTL443F		1.11/16"	60	44	90	25.0	855
TTL444	44		60	44	90	25.0	855
TTL444F		1.3/4"	60	44	90	25.5	855
	45		60	44	90	25.5	855
	46		63	44	90	25.5	1005
		1.13/16"	63	44	90	25.5	1005

## ADAPTER (MALE-MALE)

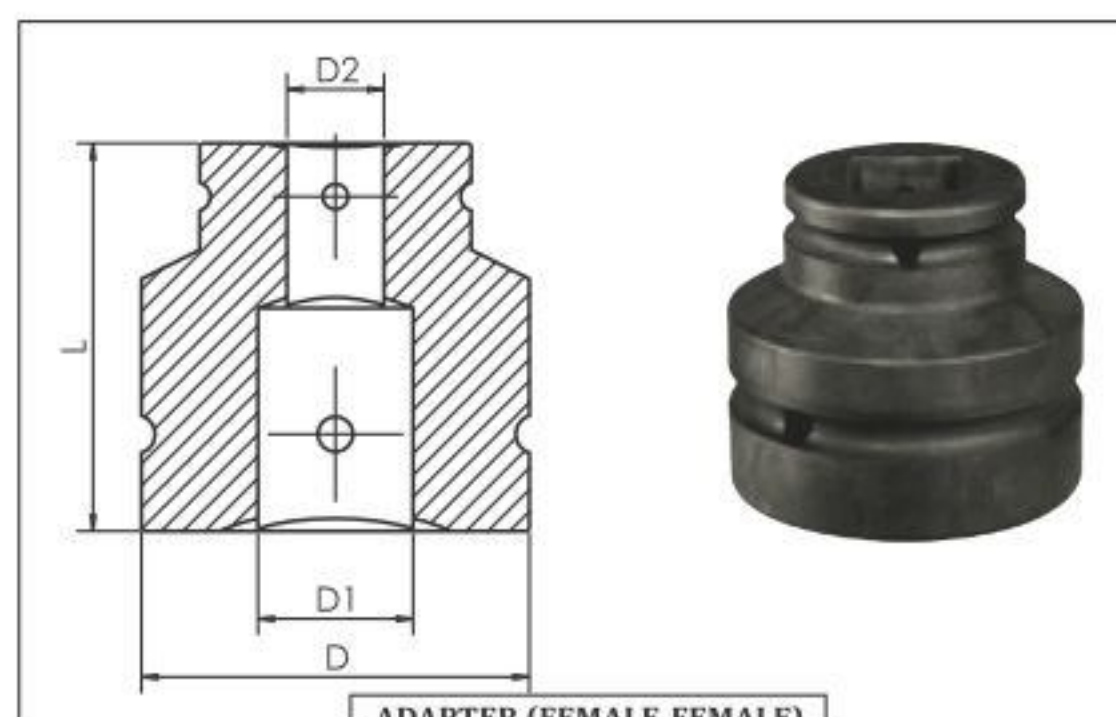
Part No.	Type	Male	D mm	L mm	Wt (gm)
TA401		3/4"	25.4	51	145
TA402		3/4"	25.4	78	285
TA403		3/4"	25.4	101	365
TA404		3/4"	25.4	127	465
TA405	3/4" D	3/4"	25.4	177	645
TA406		3/4"	25.4	254	825
TA407		3/4"	25.4	330	1245
TA408		3/4"	25.4	381	1355
TA409		3/4"			



ADAPTER ( MALE- MALE )

## ADAPTER ( FEMALE-FEMALE)

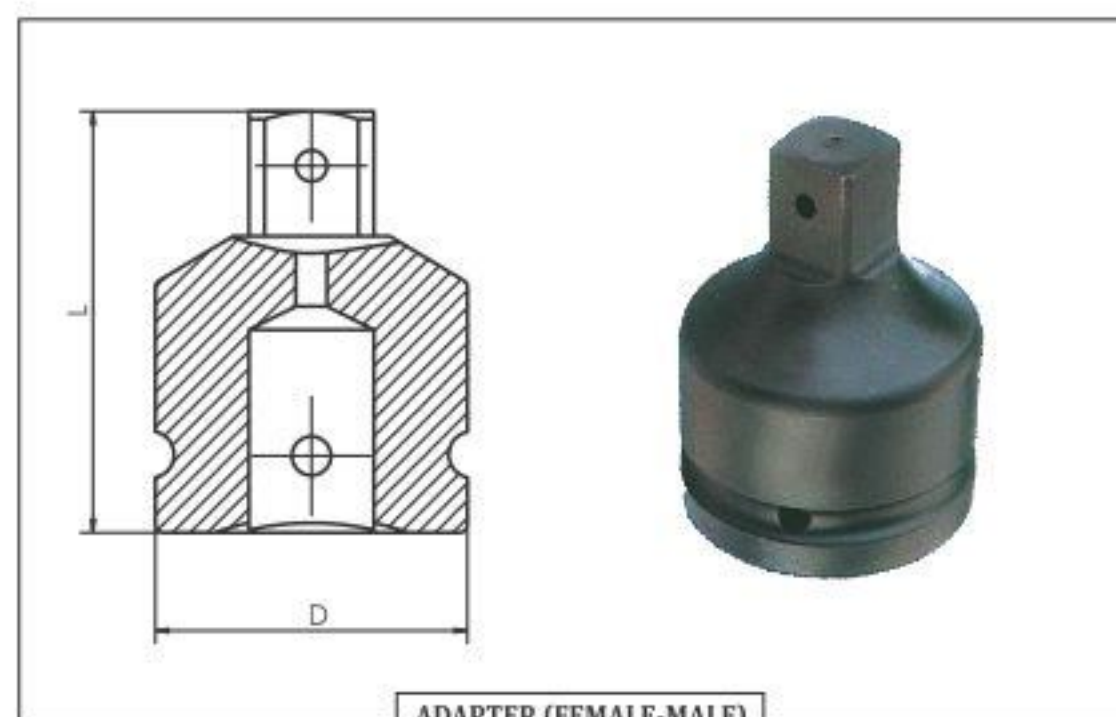
Part No.	Type	D1	D2	D mm	L mm	Wt (gm)
TA410		3/4"	1/2"	44	49	325
TA411	3/4" D	3/4"	5/8"	44	50	375
TA412		3/4"	3/4"	44	49	395
TA413		1"	3/4"	44	63	685



ADAPTER ( FEMALE-FEMALE )

## ADAPTER ( FEMALE-MALE)

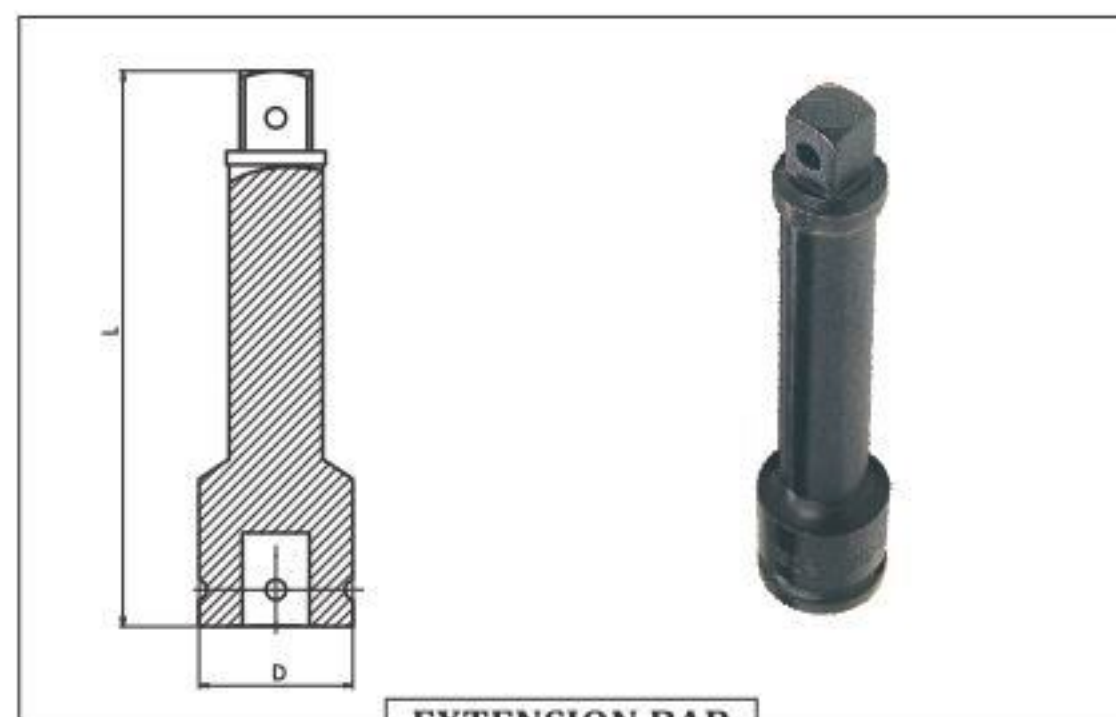
Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA414		3/4"	1/2"	44	55	345
TA415	3/4" D	3/4"	5/8"	44	57	350
TA416		3/4"	1"	44	59	405



ADAPTER ( FEMALE-MALE )

## EXTENSION BAR

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TAE417		3/4"	3/4"	44	75	470
TAE418		3/4"	3/4"	44	100	555
TAE419	3/4" D	3/4"	3/4"	44	125	695
TAE420		3/4"	3/4"	44	175	905
TAE421		3/4"	3/4"	44	250	1205
TAE422		3/4"	3/4"	44	325	1465



EXTENSION BAR

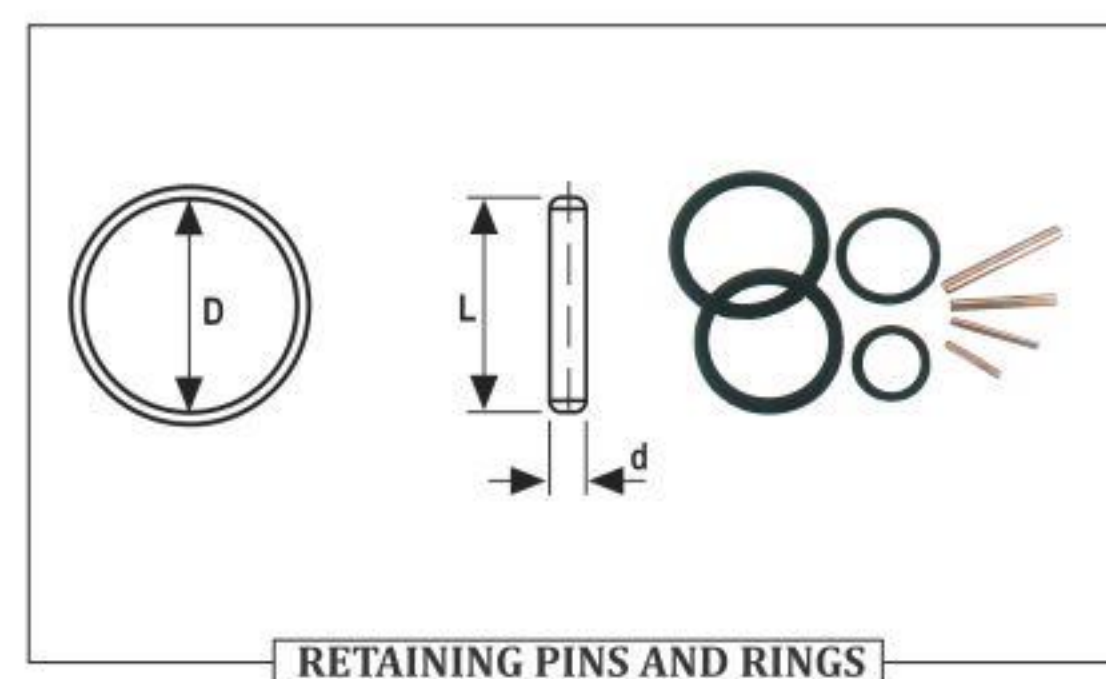
## UNIVERSAL JOINT

Part No.	Square Size	Type	D mm	L mm	Wt (gm)
TAU423	3/4"	3/4" D	44	94	590



## RETAINING PINS AND RINGS

Part No. Retainig		Type	For Socket		Pin		Ring
Pin	Ring		Square Size	Dia. of sq end	D (mm)	L (mm)	D (mm)
TAP424	TAR426	3/4"D	3/4"	44	4	35	36
TAP425	TRA427		3/4"	54	4	45	46



## ACCESSORIES (MANUAL)

Part No.	Type	Description	Overall Length
3/4" D	TSB-4	T-handle	500
	TSH-4	Swivel Handle	580
	TAH-4	L-handle	350

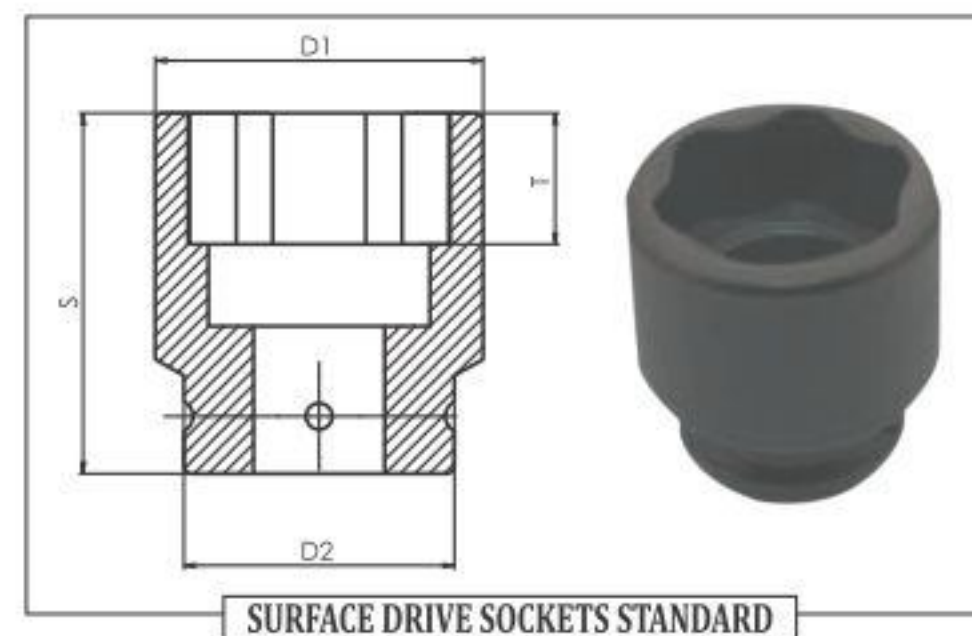


Automotive Purpose

# 1" SQUARE DRIVE

## SURFACE DRIVE SOCKETS STANDARD

PART NO.	A/F mm	D1 mm	D2 mm	S mm	T mm	Weight kg
TS518	18	34	54	59	11	0.61
TS519	19	35	54	59	11	0.63
TS521	21	36	54	59	12	0.62
TS522	22	37	54	59	12	0.63
TS524	24	38	54	59	14	0.62
TS527	27	44	54	59	16	0.65
TS530	30	50	54	61	17	0.69
TS532	32	52	54	61	19	0.65
TS533	33	54	54	61	19	0.68
TS534	34	54	54	61	20	0.65



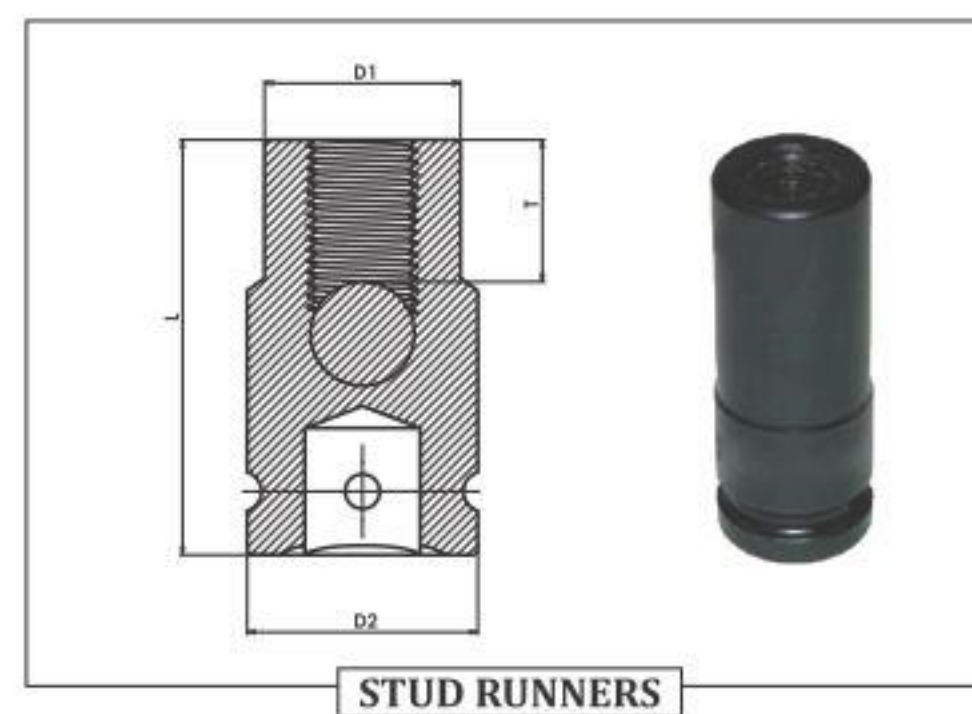
## SURFACE DRIVE SOCKETS LONG

PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	Weight kg
TSL527	27	44	54	100	16	0.97
TSL530	30	50	54	100	17	1.15



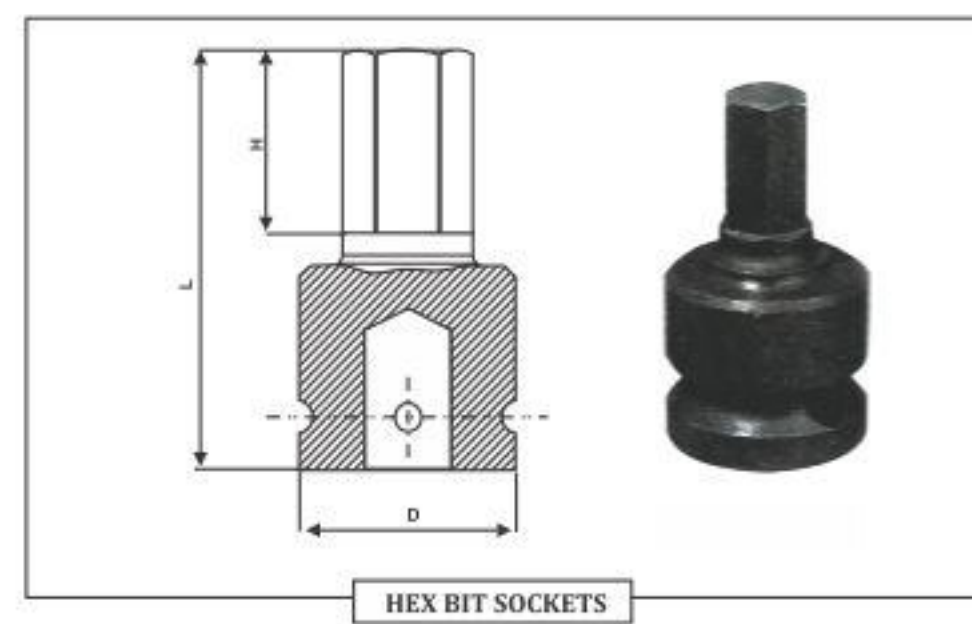
## STUD RUNNERS

PART NO.	A/F mm	PITCH mm	D mm	d mm	L mm	T mm	Weight kg
TR520	20	2.5	38	54	100	25	0.96
TR522	22	2.5	42	54	100	25	1.05
TR524	24	3	44	54	100	25	1.07
TR527	27	3	48	54	100	28	1.19
TR530	30	3.5	52	54	100	30	1.30
TR533	33	3.5	57	54	110	38	1.63
TR536	36	4	60	54	110	40	1.79
TR539	39	4	65	54	110	44	2.00
TR542	42	4.5	68	54	115	47	2.25



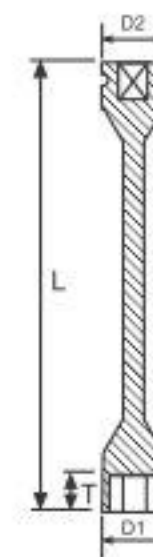
## HEX BIT SOCKET

Part No.	A/F Inch	A/F mm	L mm	H mm
TH510F	3/8	-	81	26
TH512F	1/2	-	84	30
TH514F	9/16	-	86	30
TH516F	5/8	-	98	40
TH517	-	17	100	40
TH519	-	19	107	45
TH519F	3/4	-	107	45
TH522	-	22	107	45
TH522F	7/8	-	112	50
TH524	-	24	120	50
TH524F	15/16	-	120	50
TH525F	1	-	120	50
TH527	-	27	120	50
TH527F	1.1/16	-	120	50
TH530	-	30	120	50
TH530F	1.1/8	-	120	50
TH532	-	32	120	50
		36	120	50

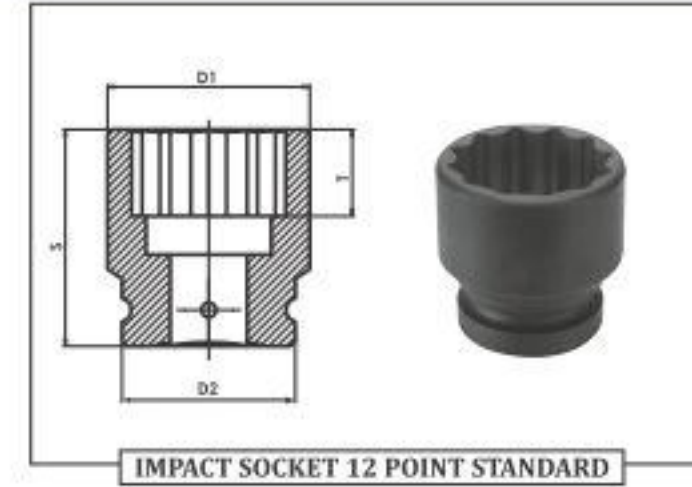
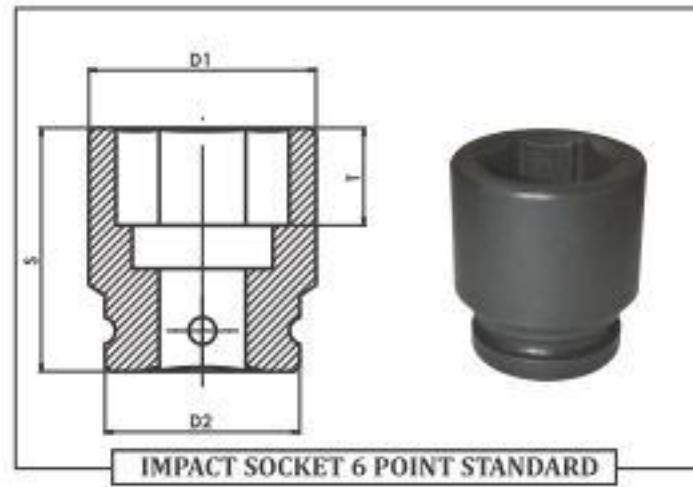


## TORSION BARS

PART No.	MM	A/F Inch	COLOR	D1	D2	L	T mm	Torque (N-M)	Weight
TB524BR	24		BROWN	42.0	54	305	28.0	300.0	1100
TB527G	27		GREEN	46.0	54	305	28.0	350.0	1150
TB527GF		1.1/16	GREEN	46.0	54	305	28.0	350.0	1150
TB527C	27		CREAM	46.0	54	305	28.0	450.0	1200
TB530BL	30		BLUE	50.0	54	305	28.0	450.0	1250
TB530BLF			BLUE	50.0	54	305	28.0	450.0	1250
TB530Y	30	1.3/16	YELLOW	50.0	54	305	28.0	350.0	1300
TB532LB	32		LIGHT BLUE	51.0	54	305	28.0	500.0	1300
TB532R	32		RED	51.0	54	305	28.0	600.0	1350
TB532B	32		BLACK	51.0	54	305	28.0	700.0	1400
TB533W	33		WHITE	54.0	54	305	28.0	500.0	1400
TB533BR	33		BROWN	54.0	54	305	28.0	600.0	1450
TB533GR	33		GREEN	54.0	54	305	28.0	650.0	1500



# 1" SQUARE DRIVE



## IMPACT SOCKET 6 POINT STANDARD

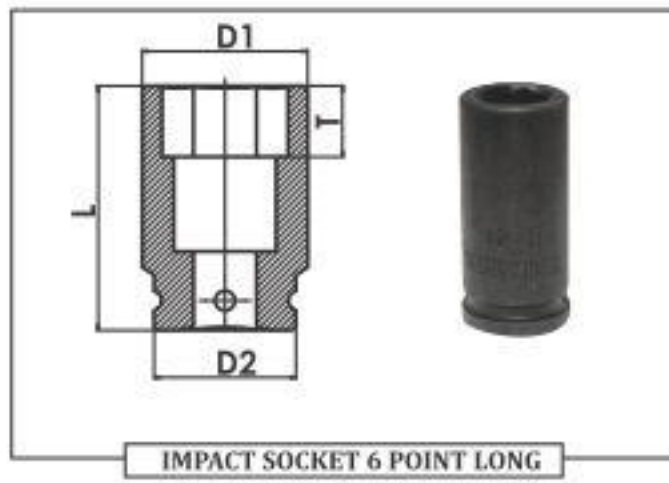
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI519	19		36	54	55	16	605
TI519F		3/4"	36	54	55	13	605
TI520	20		37	54	55	16	605
TI520F		13/16"	38	54	55	16	605
TI521	21		38	54	55	16	605
TI522	22		40	54	55	18	605
TI522F		7/8"	40	54	55	18	605
TI523	23		41	54	55	18	605
TI523F		15/16"	41	54	55	18	605
TI524	24		42	54	55	21	605
TI525	25		43	54	55	21	605
TI525F		1"	43	54	55	21	605
TI526	26		45	54	55	21	605
TI527	27		46	54	55	23	605
TI527F		1.1/16"	46	54	55	23	605
TI528	28		47	54	55	23	605
TI528F		1.1/8"	48	54	57	23	635
TI529	29		48	54	57	23	635
TI530	30		50	54	57	24	635
TI530F		1.3/16"	50	54	57	24	635
TI531	31		51	54	57	24	635
TI531F		1.1/4"	51	54	57	24	635
TI532	32		51	54	57	26	635
TI533	33		54	54	57	26	635
TI533F		1.5/16"	54	54	60	26	655
TI534	34		54	54	60	26	655
TI535	35		54	54	60	26	655
TI535F		1.3/8"	54	54	60	26	655
TI536	36		54	54	60	28	655
TI536F		1.7/16"	54	54	60	28	655
TI537	37		54	54	60	28	655
TI538	38		60	54	64	30	765
TI538F		1.1/2"	60	54	64	30	765
TI539	39		60	54	64	30	765
TI539F		1.9/16"	60	54	64	30	765
TI540	40		63	54	64	30	805
TI541	41		63	54	64	36	805
TI541F		1.5/8"	63	54	64	36	805
TI542	42		63	54	64	36	805
TI543	43		67	54	69	36	955
TI543F		1.11/16"	67	54	69	36	955
TI544	44		67	54	69	36	955
TI544F		1.3/4"	70	54	69	36	1005
TI545	45		70	54	69	36	1005
TI546	46		70	54	69	36	1005
TI546F		1.13/16"	70	54	69	36	1005
TI547	47		70	54	69	36	1005
TI547F		1.7/8"	70	54	72	36	1005
TI548	48		73	54	72	36	1085
TI549	49		73	54	72	36	1085
TI549F		1.15/16"	73	54	72	36	1085
TI550	50		73	54	72	36	1085
TI551	51		73	54	72	39	1085
TI551F		2"	73	54	72	39	1085
TI552	52		78	54	72	39	1205
TI552F		2.1/16"	78	54	76	39	1245
TI554	54						
TI554F		2.1/8"					

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

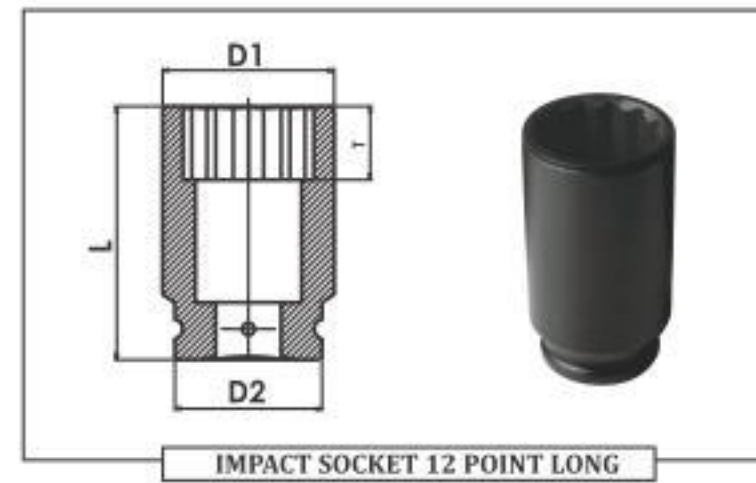
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI555F		2.3/16"	82	54	80	41	1405
TI556	56		82	54	80	41	1405
TI557	57		82	54	80	41	1405
TI557F		2.1/4"	82	54	80	41	1405
TI558	58		86	54	80	41	1505
TI559	59		86	54	82	41	1505
TI559F		2.5/16"	86	54	82	41	1505
TI560	60		86	54	82	45	1505
TI560F		2.3/8"	54	85	35	45	1505
TI561	61		88	54	85	45	1805
TI562	62		92	54	85	45	1805
TI562F		2.7/16"	92	54	85	45	1805
TI563F		2.1/2"	92	54	85	46	1805
TI565	65		92	54	85	46	1805
TI565F		2.9/16"	92	54	85	46	1805
TI567	67		92	54	88	46	1805
TI567F		2.5/8"	92	54	88	46	1805
TI568F		2.11/16"	96	54	88	46	1805
TI570	70		96	54	88	50	1805
TI570F		2.3/4"	96	54	88	50	1805
TI572F		2.13/16"	100	86	92	50	2705
TI573	73		100	86	92	50	2705
TI573F		2.7/8"	100	86	92	50	2705
TI575	75		100	86	92	57	2705
TI575F		2.15/16"	100	86	92	57	2705
TI576	76		105	86	97	57	3205
TI576F		3"	105	86	97	57	3205
TI577	77		105	86	97	57	3205
TI577F		3.1/16"	105	86	97	57	3205
TI579F		3.1/8"	105	86	97	57	3205
TI580	80		105	86	97	62	3205
TI580F		3.3/16"	109	86	100	62	3205
TI581F		3.1/4"	109	86	100	62	3205
TI582F		3.5/16"	109	86	100	62	3205
TI585	85		115	86	100	62	3505
TI586	86		115	86	104	62	3505
TI586F		3.3/8"	115	86	104	62	3505
TI587F		3.7/16"	121	86	104	62	4125
TI588F		3.1/2"	121	86	104	62	4125
TI590	90		127	86	104	62	4405
TI590F		3.9/16"	127	86	104	62	4405
TI591F		3.5/8"	130	86	104	62	4405
TI592F		3.11/16"	130	86	104	62	4705
TI595	95		135	86	106	62	5205
TI595F		3.3/4"	135	86	106	62	5205
TI596F		3.13/16"	135	86	112	62	5205
TI597F		3.7/8"	135	86	112	62	5205
TI5100	100		135	86	112	62	5205
TI5100F		3.15/16"	135	86	112	62	5205
TI5101F		4"	140	127	112	62	5205
TI5102F		4.1/16"	140	127	112	62	5505
TI5105	105		145	127	112	62	7705
TI5105F		4.1/8"	145	127	112	62	7705
TI5106F		4.3/16"	145	127	122	62	8105
TI5107F		4.1/4"	145	127	122	62	8105
TI5110	110		150	127	122	62	8205
TI5110F		4.5/16"	150	127	122	62	8205
TI5111F		4.3/8"	150	127	122	62	8205
TI5112F		4.7/16"					
TI5113F		4.1/2"					
TI5115	115						



# 1" SQUARE DRIVE



IMPACT SOCKET 6 POINT LONG



IMPACT SOCKET 12 POINT LONG

## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL519	19		36	54	100	9.5	1205
TIL519F		3/4"	36	54	100	9.5	1205
TIL520	20		37	54	100	10.0	1205
TIL520F		13/16"	38	54	100	11.0	1205
TIL521	21		38	54	100	11.0	1205
TIL522	22		40	54	100	11.0	1205
TIL522F		7/8	40	54	100	13.0	1205
TIL523	23		41	54	100	13.0	1205
TIL523F		15/16"	41	54	100	13.0	1205
TIL524	24		42	54	100	13.0	1205
TIL525	25		43	54	100	13.0	1205
TIL525F		1"	43	54	100	13.0	1205
TIL526	26		45	54	100	13.0	1205
TIL527	27		46	54	100	13.0	1205
TIL527F		1.1/16"	46	54	100	13.0	1205
TIL528	28		47	54	100	14.0	1205
TIL528F		1.1/8"	48	54	100	16.5	1205
TIL529	29		48	54	100	16.5	1205
TIL530	30	1.3/16"	50	54	100	16.5	1205
TIL531	31		51	54	100	16.5	1205
TIL531F		1.1/4"	51	54	100	17.0	1205
TIL532	32		51	54	100	17.0	1205
TIL533	33		54	54	100	17.0	1205
TIL533F		1.5/16"	54	54	100	19.0	1205
TIL534	34		54	54	100	19.0	1205
TIL535	35		54	54	100	19.0	1205
TIL535F		1.3/8"	54	54	100	19.0	1205
TIL536	36		54	54	100	19.0	1205
TIL536F		1.7/16"	54	54	100	19.0	1205
TIL537	37		54	54	100	19.0	1205
TIL538	38	1.1/2"	60	54	100	22.0	1305
TIL538F			60	54	100	22.0	1305
TIL539	39		60	54	100	22.0	1305
TIL539F		1.9/16"	60	54	100	22.0	1305
TIL540	40		63	54	100	22.0	1405
TIL541	41		63	54	100	22.0	1405
TIL541F		1.5/8"	63	54	100	22.0	1405
TIL542	42		63	54	100	22.0	1405
TIL543	43		67	54	100	25.0	1505
TIL543F		1.11/16"	67	54	100	25.0	1505
TIL544	44		67	54	100	25.0	1505
TIL544F		1.3/4"	70	54	100	25.5	1605
TIL545	45		70	54	100	25.5	1605
TIL546	46		70	54	100	25.5	1605
TIL546F		1.13/16"	70	54	100	25.5	1605
TIL547	47		70	54	100	25.5	1605
TIL547F		1.7/8"	70	54	100	27.0	1605
TIL548	48		73	54	100	27.0	1705
TIL549	49		73	54	100	27.0	1705
TIL549F		1.15/16"	73	54	100	27.0	1705
TIL550	50		73	54	100	27.0	1705
TIL551	51		73	54	100	27.0	1705
TIL551		2"	73	54	100	27.0	1705
TIL552	52		78	54	100	27.0	1905
TIL552F		2.1/16"	78	54	100	30.0	1905

TIL554 54

TIL554F 2.1/8"

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL555F		2.3/16"	821	54	105	32.0	2205
TIL556	56		82	54	105	32.0	2205
TIL557	57		82	54	105	33.0	2205
TIL557F		2.1/4"	82	54	105	33.0	2205
TIL558	58		86	54	112	33.0	2505
TIL559	59		86	54	105	33.0	2505
TIL559F		2.5/16"	86	54	105	33.0	2505
TIL560	60		86	54	112	33.0	2505
TIL560F		2.3/8"	54	85	112	35.0	2505
TIL561	61		88	54	118	35.0	2805
TIL562	62		92	54	118	35.0	3005
TIL562F		2.7/16"	92	54	118	35.0	3005
TIL563F		2.1/2"	92	54	118	35.0	3005
TIL565	65		92	54	118	35.0	3005
TIL565F		2.9/16"	92	54	118	38.0	3005
TIL567	67		92	54	118	38.0	3005
TIL567F		2.5/8"	92	54	118	38.0	3005
TIL568F		2.11/16"	96	54	124	38.0	3205
TIL570	70		96	54	124	38.0	3205
TIL570F		2.3/4"	96	54	124	38.0	3205
TIL572F		2.13/16"	100	86	124	40.0	4305
TIL573	73		100	86	124	41.0	4305
TIL573F		2.7/8"	100	86	124	41.0	4305
TIL575	75		100	86	124	41.0	4305
TIL575F		2.15/16"	100	86	124	41.0	4305
TIL576	76		105	86	130	44.0	4805
TIL576F		3"	105	86	130	44.0	4805
TIL577	77		105	86	130	44.0	4805
TIL577F		3.1/16"	105	86	130	44.0	4805
TIL579F		3.1/8"	105	86	132	44.0	4805
TIL580	80		105	86	132	44.0	4805
TIL580F		3.3/16"	109	86	132	47.0	5005
TIL581F		3.1/4"	109	86	132	47.0	5005
TIL582F		3.5/16"	109	86	132	47.0	5005
TIL585	85		115	86	132	47.0	5205
TIL586	86		115	86	140	49.0	6005
TIL586F		3.3/8"	115	86	140	49.0	6005
TIL587F		3.7/16"	121	86	140	49.0	7005
TIL588F		3.1/2"	121	86	140	49.0	7005
TIL590	90		127	86	140	49.0	7205
TIL590F		3.9/16"	127	86	140	49.0	7205
TIL591F		3.5/8"	130	86	140	49.0	7405
TIL592F		3.11/16"	130	86	140	49.0	7405
TIL595	95		135	86	140	49.0	7605
TIL595F		3.3/4"	135	86	143	54.0	7605
TIL596F		3.13/16"	135	86	143	54.0	7605
TIL597F		3.7/8"	135	86	143	54.0	7605
TIL5100	100		135	86	143	54.0	7605
TIL5100F		3.15/16"	135	86	143	54.0	7605
TIL5101F		4"	140	127	143	54.0	10405
TIL5102F		4.1/16"	140	127	143	54.0	10405
TIL5105	105		145	127	143	54.0	10505
TIL5105F		4.1/8"	145	127	149	62.0	10505
TIL5106F		4.3/16"	145	127	149	62.0	10505
TIL5107F		4.1/4"	145	127	149	62.0	11205
TIL5110	110		150	127	149	62.0	11205
TIL5110F		4.5/16"	150	127	149	62.0	11205
TIL5111F		4.3/8"	150	127			

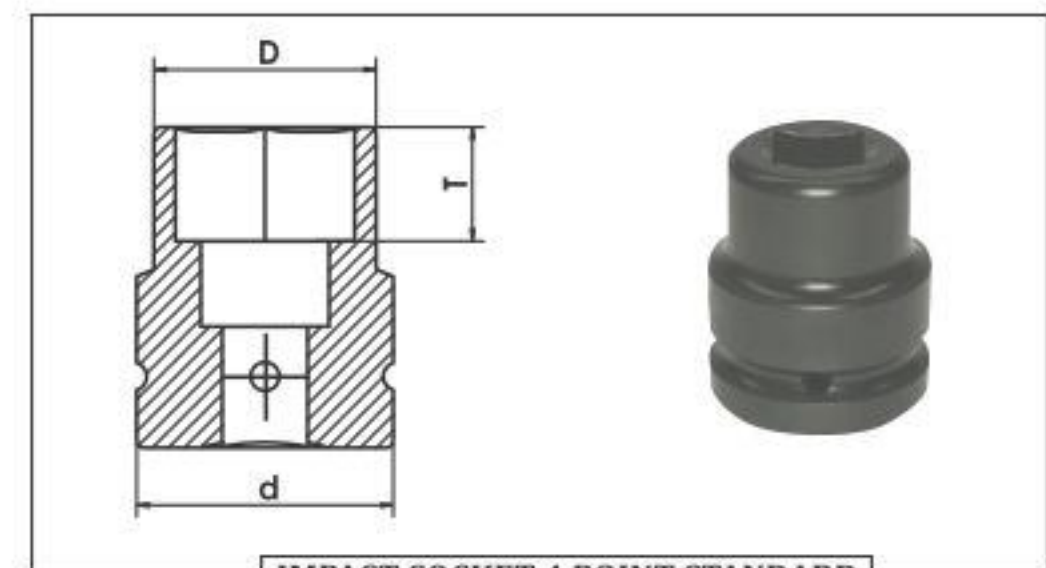
TIL5112F 4.7/16

TIL5113F 4.1/2

TIL5115 115

## IMPACT SOCKET 4 POINT STANDARD

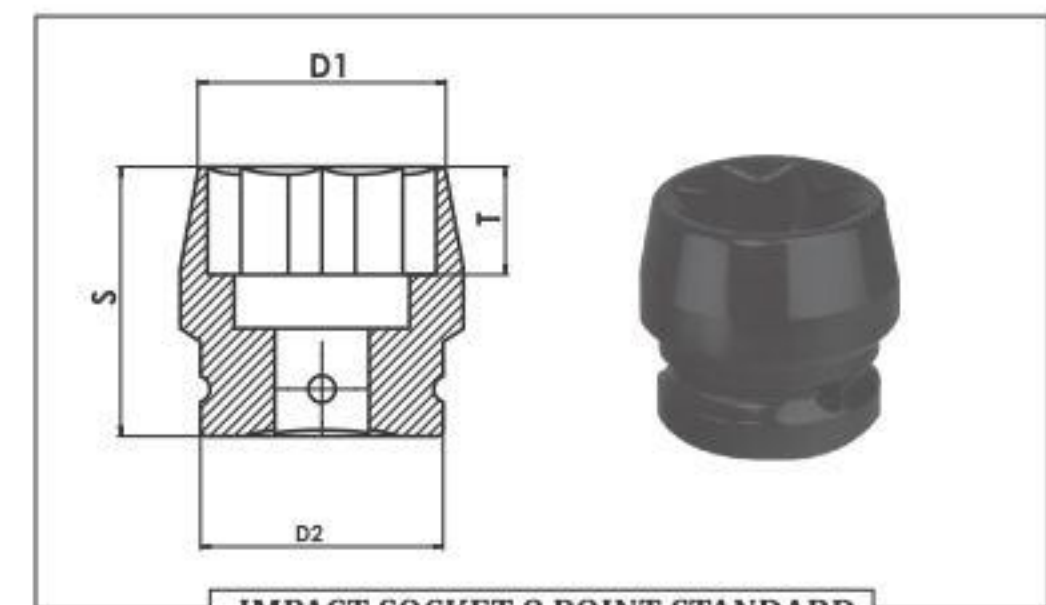
PART NO.	A/F mm	D1 mm	D2 mm	L mm	T mm	Weight kg
T4516	16	35	54	64	16	0.63
T4517	17	36	54	64	17	0.63
T4518	18	38	54	64	18	0.63
T4519	19	40	54	64	19	0.65
T4520	20	42	54	64	20	0.69
T4521	21	44	54	64	20	0.69
T4522	22	46	54	64	20	0.70
T4524	24	52	54	70	35	0.84
T4525	25	53	54	70	37	0.84
T4527	27	54	54	70	40	0.85
T4528	28	57	54	70	25	0.93
T4529	29	57	54	75	25	0.93
T4530	30	58	54	75	30	0.97
T4532	32	62	54	75	30	1.06
T4533	33	64	54	75	30	1.21
T4535	35	67	54	75	30	1.19
T4536	36	69	54	75	30	1.25
T4538	38	72	54	75	30	1.32
T4540	40	76	54	80	35	1.56
T4541	41	78	54	80	35	1.63
T4542	42	80	62	80	35	1.87



IMPACT SOCKET 4 POINT STANDARD

## IMPACT SOCKET 8 POINT STANDARD

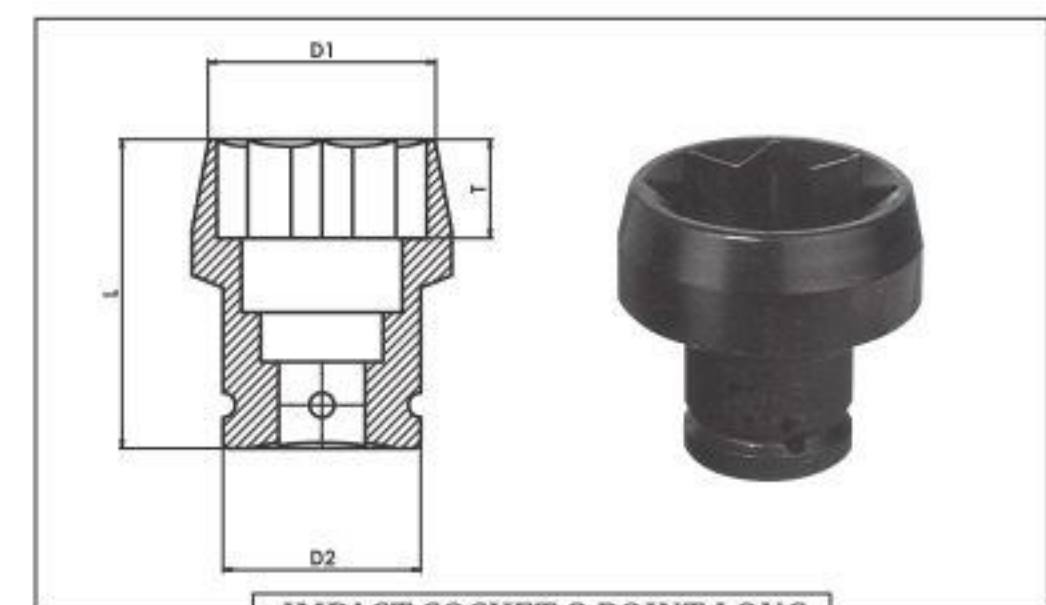
PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
T8532F		1.1/4"	60	54	58	17.0	710
T8533F		1.5/16"	63	54	58	19.0	760
T8535	35		67	60	58	19.0	870
T8535F		1.3/8"	67	60	58	19.0	870
T8536F		1.7/16"	67	60	58	19.0	890
T8538	38		70	60	62	22.0	1000
T8538F		1.1/2"	70	60	62	22.0	1000
T8539F		1.9/16"	78	60	62	22.0	1170
T8541	41		78	60	62	22.0	1660
T8541F		1.5/8"	78	60	62	22.0	1660
T8543	43		82	60	67	25.0	1320
T8543F		1.11/16"	82	60	67	25.0	1320
T8544F		1.3/4"	82	60	67	25.5	1300
T8546	46		86	60	67	25.5	1390
T8546F		1.13/16"	86	60	67	25.5	1390
T8547F		1.7/8"	86	60	70	27.0	1450
T8551	51		92	60	70	27.0	1600
T8551F		2"	92	60	70	27.0	1600
T8554	54		100	60	75	30.0	1780
T8554F		2.1/8"	100	60	75	30.0	1780
T8555F		2.3/16"	100	60	78	32.0	2040
T8557	57		100	60	78	32.0	1970
T8557F		2.1/4"	100	60	78	32.0	1970
T8558F		2.3/8"	105	60	82	35.0	2970



IMPACT SOCKET 8 POINT STANDARD

## IMPACT SOCKET 8 POINT LONG

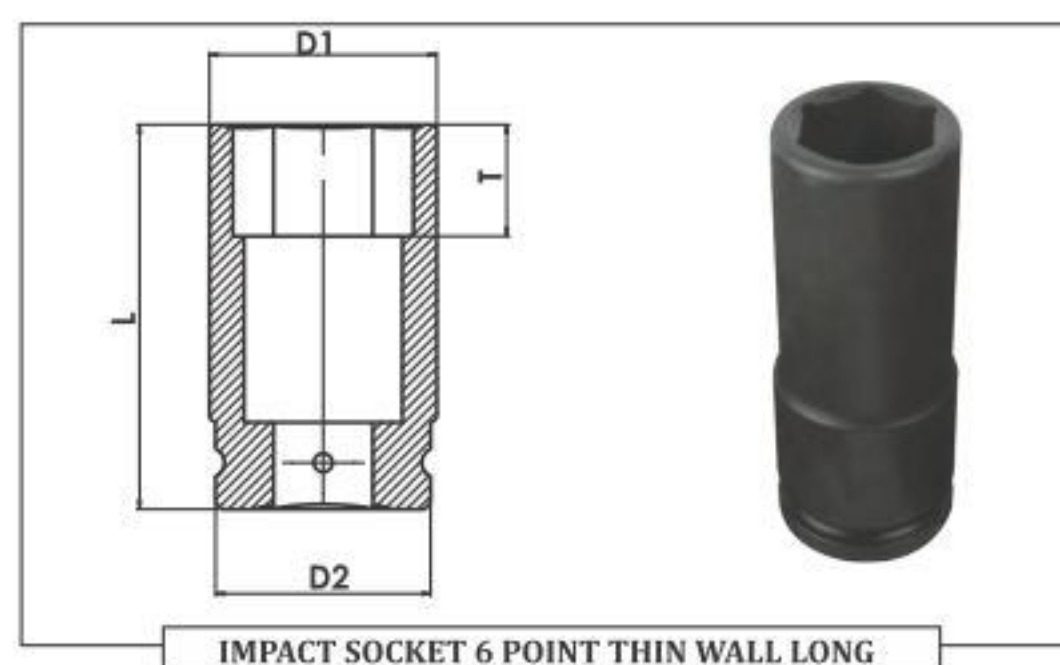
PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
T8L532F		1.1/4"	60	54	81	17.0	1000
T8L533F		1.5/16"	63	54	81	19.0	1040
T8L535	35		67	60	81	19.0	1300
T8L535F		1.3/8"	67	60	81	19.0	1300
T8L536F		1.7/16"	67	60	81	19.0	1260
T8L538	38		70	60	87	22.0	1430
T8L538F		1.1/2"	70	60	87	22.0	1430
T8L539F		1.9/16"	78	60	88	22.0	1670
T8L541	41		78	60	88	22.0	1670
T8L541F		1.5/8"	82	60	88	25.0	1800
T8L543	43		82	60	88	25.0	1800
T8L543F		1.11/16"	82	60	88	25.0	1800
T8L544F		1.3/4"	82	60	88	25.5	1800
T8L546	46		86	60	88	25.5	1900
T8L546F		1.13/16"	86	60	88	25.5	1900
T8L547F		1.7/8"	86	60	88	27.0	1900
T8L551	51		92	60	88	27.0	2000
T8L551F		2"	92	60	88	27.0	2000
T8L554	54		100	60	97	30.0	2350
T8L554F		2.1/8"	100	60	97	30.0	2350
T8L555F		2.3/16"	100	60	97	32.0	2350
T8L557	57		100	60	100	32.0	2270
T8L557F		2.1/4"	100	60	100	32.0	2270
T8L558F		2.3/8"	105	60	100	35.0	2350
T8L559F		2.1/2"					



IMPACT SOCKET 8 POINT LONG

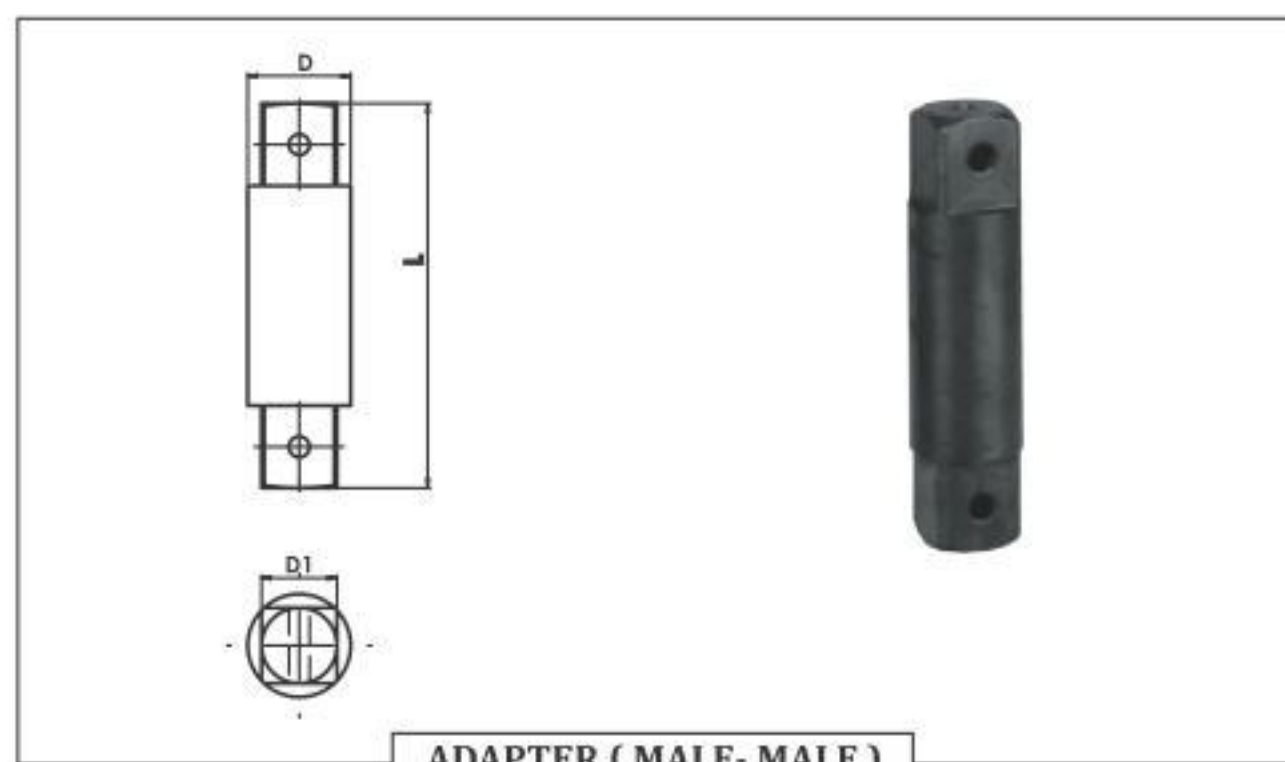
## IMPACT SOCKET 6 POINT THIN WALL LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TTL522	22		38	54	100	10.0	780
TTL522F		7/8"	38	54	100	10.0	780
TTL523	23		38	54	100	13.0	780
TTL523F		15/16"	38	54	100	13.0	780
TTL524	24		38	54	100	13.0	780
TTL525	25		41	54	100	13.0	800
TTL525F		1"	41	54	100	13.0	800
TTL526	26		44	54	100	13.0	800
TTL527	27		44	54	100	13.0	800
TTL527F		1.1/16"	44	54	100	13.0	800
TTL528	28		44	54	100	14.0	800
TTL528F		1.1/8"	44	54	100	16.5	800
TTL529	29		44	54	100	16.5	800
TTL530	30		44	54	100	16.5	800
TTL530F		1.3/16"	44	54	100	16.5	800
TTL531	31		49	54	100	17.0	800
TTL531F		1.1/4"	49	54	100	17.0	800
TTL532	32		49	54	100	17.0	800
TTL533	33		49	54	100	17.0	800
TTL533F		1.5/16"	52	54	100	19.0	800
TTL534	34		52	54	100	19.0	800
TTL535	35		52	54	100	19.0	800
TTL535F		1.3/8"	52	54	100	19.0	800
TTL536	36		54	54	100	19.0	950
TTL536F		1.7/16"	54	54	100	19.0	950
TTL537	37		54	54	100	19.0	1100
TTL538	38		57	54	100	22.0	1100
TTL538F		1.1/2"	57	54	100	22.0	1100
TTL539	39		57	54	100	22.0	1100
TTL539F		1.9/16"	57	54	100	22.0	1100
TTL540	40		60	54	100	22.0	1200
TTL541	41	1.5/8"	60	54	100	22.0	1200
TTL541F			60	54	100	22.0	1200
TTL542	42		60	54	100	22.0	1200
TTL542F		1.11/16"	60	54	100	22.0	1200
TTL543	43		63	54	100	25.0	1300
TTL544	44		63	54	100	25.0	1300
TTL544F		1.3/4"	67	54	100	25.5	1500
TTL545	45		67	54	100	25.5	1500
TTL546	46						
TTL546F		1.13/16"					



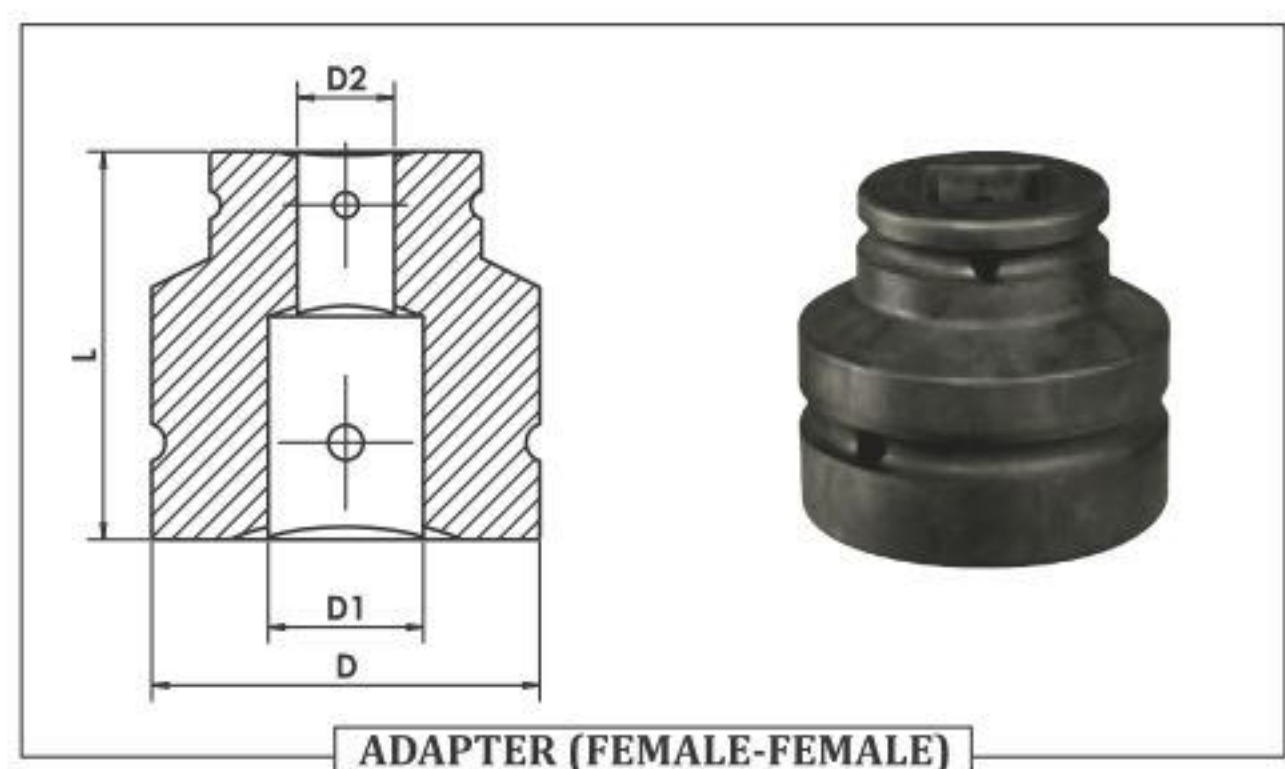
## ADAPTER ( MALE- MALE)

Part No.	Type	Male	D mm	L mm	Wt (gm)
TA501		1"	33	76	405
TA502		1"	33	101	656
TA503		1"	33	127	735
TA504		1"	33	152	875
TA505	1"D	1"	33	177	985
TA506		1"	33	254	1385
TA507		1"	33	330	2105
TA508		1"	33	381	2465
TA809		1"	33	406	2585
TA510		1"			



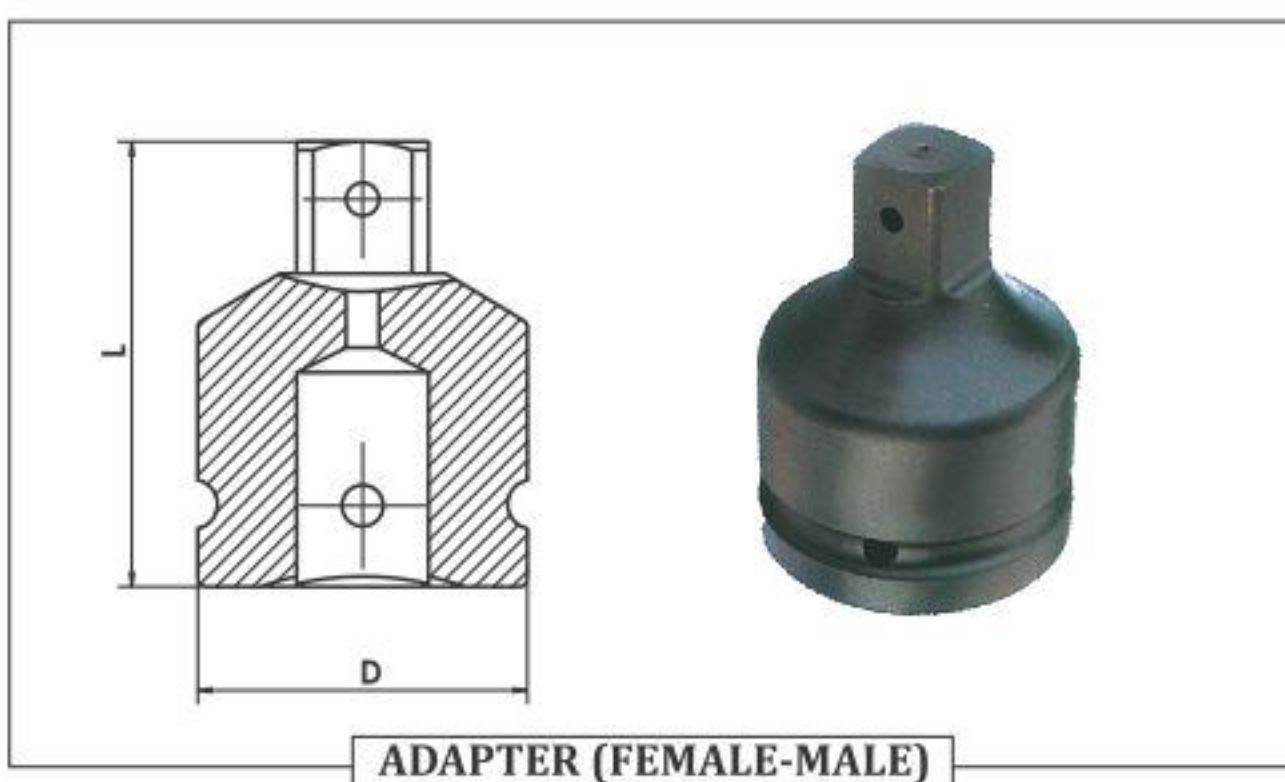
## ADAPTER ( FEMALE- FEMALE)

Part No.	Type	D1	D2	D mm	L mm	Wt (gm)
TA511		1"	3/4"	54	63	685
TA512	1"D	1"	1"	54	59	755
TA513		1.1/2"	1"	86	83	2055



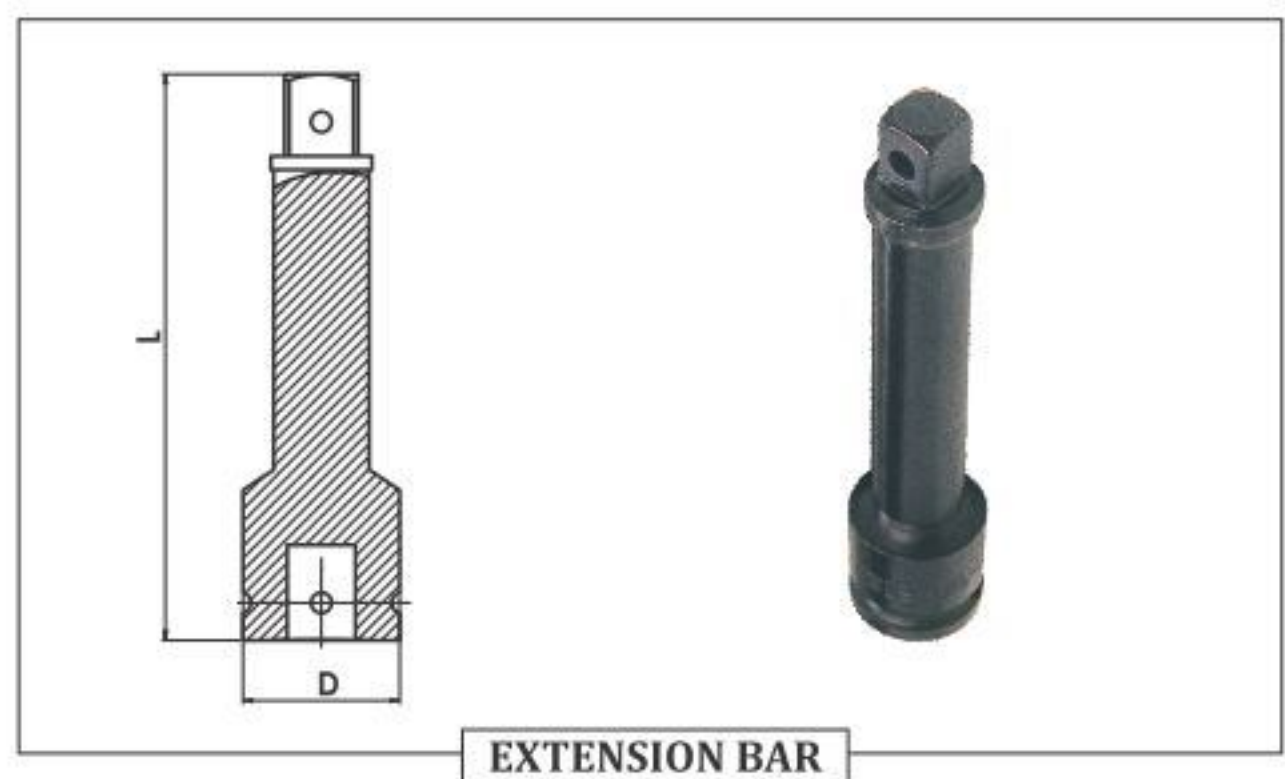
## ADAPTER ( FEMALE- MALE)

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA514		1"	3/4"	54	77	655
TA515	1"D	1"	1.1/2"	54	58	1005
TA515		1"	SPLINE NO.5	54	110	985



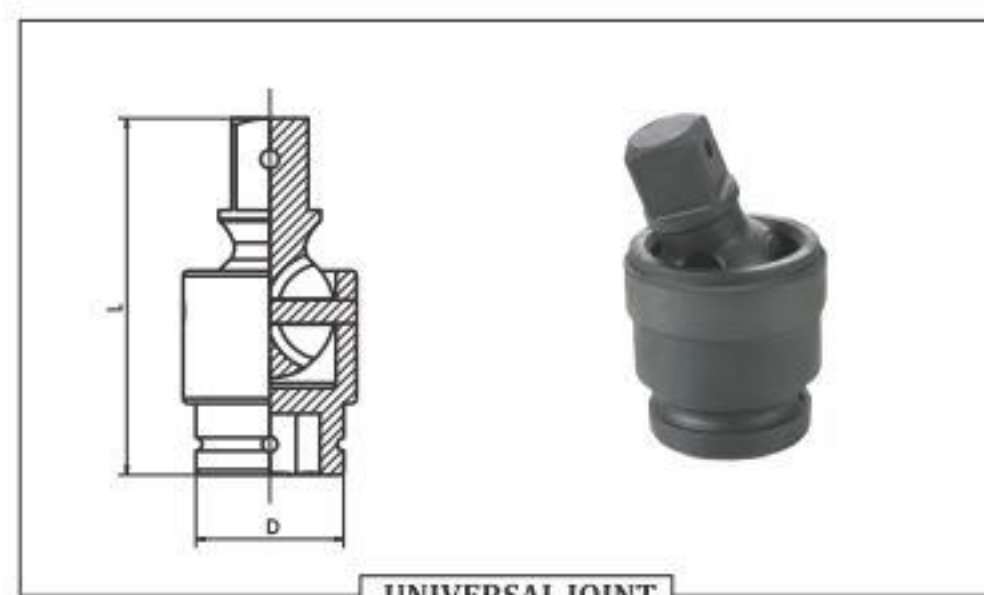
## EXTENSION BAR

Part No.	Type	Male	Female	D (mm)	L (mm)	Wt (gm)
TAE517		1"	1"	54	100	875
TAE518		1"	1"	54	125	1155
TAE519	1"D	1"	1"	54	175	1505
TAE520		1"	1"	54	250	2005



## UNIVERSAL JOINT

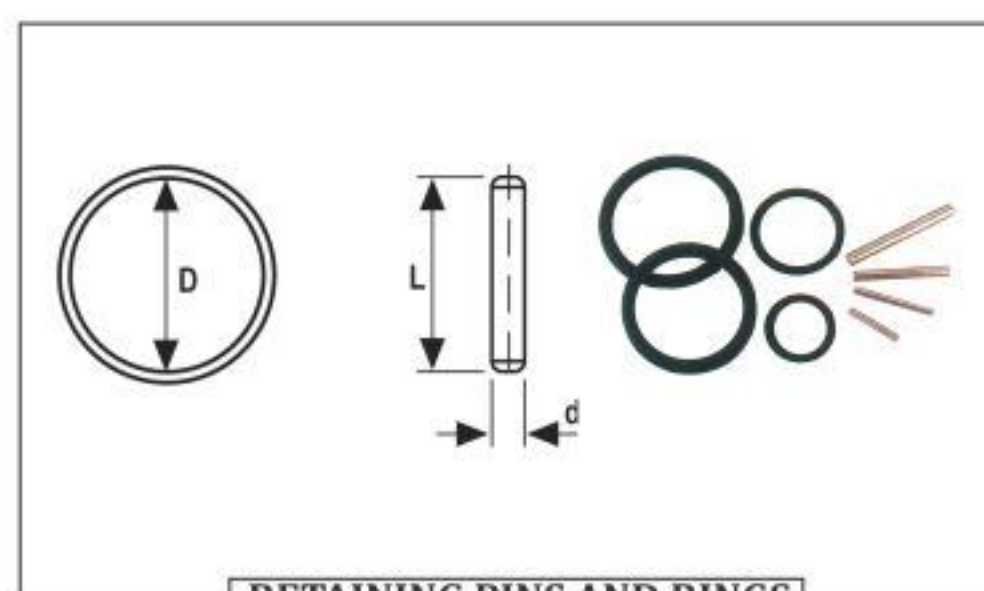
Part No.	Type	Square	D (mm)	L (mm)	Wt (grm)
TAU522	1"D	1"	67	136.5	1600



UNIVERSAL JOINT

## RETAINING PINS AND RINGS

Part No.		Type	For Socket		Ring	Pin
Retainig Pin	Ring		Square size	Dia. of Sq end	D mm	L mm
TAP523	TAR526	1"D	1"	54	5	45
TAP524	TAR527		1"	86	5	77
TAP525	TAR528		1"	127	5	118



RETAINING PINS AND RINGS

## ACCESSORIES (MANUAL)

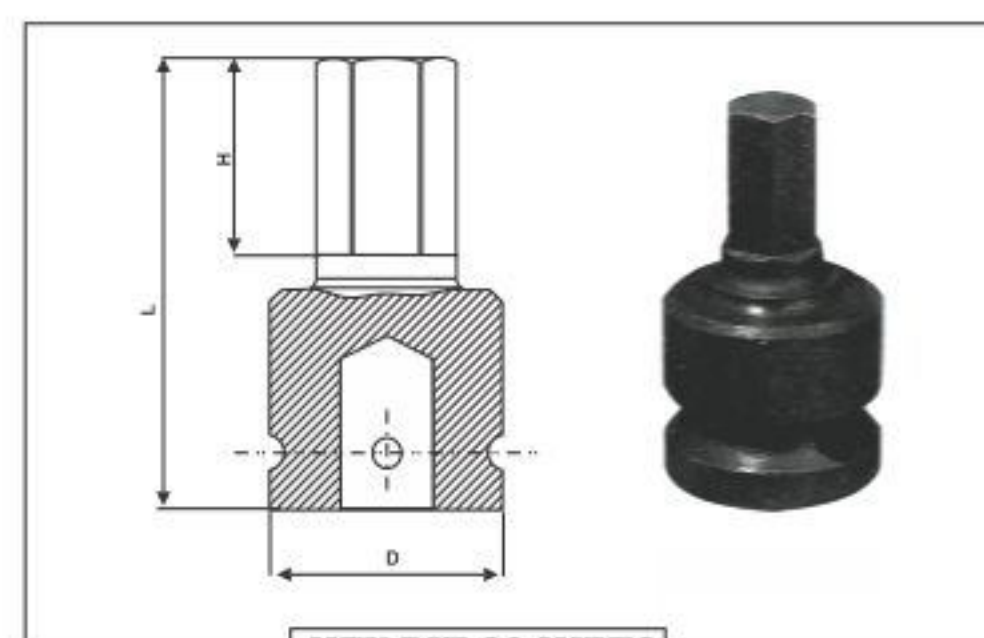
Part No.	Type	Description	Overall Length
TSB-5		T-HANDLE	750
TSH-5	1"D	SWIVEL HANDLE	815
TAH-5		L-HANDLE	600
TRR-5			



ACCESSORIES

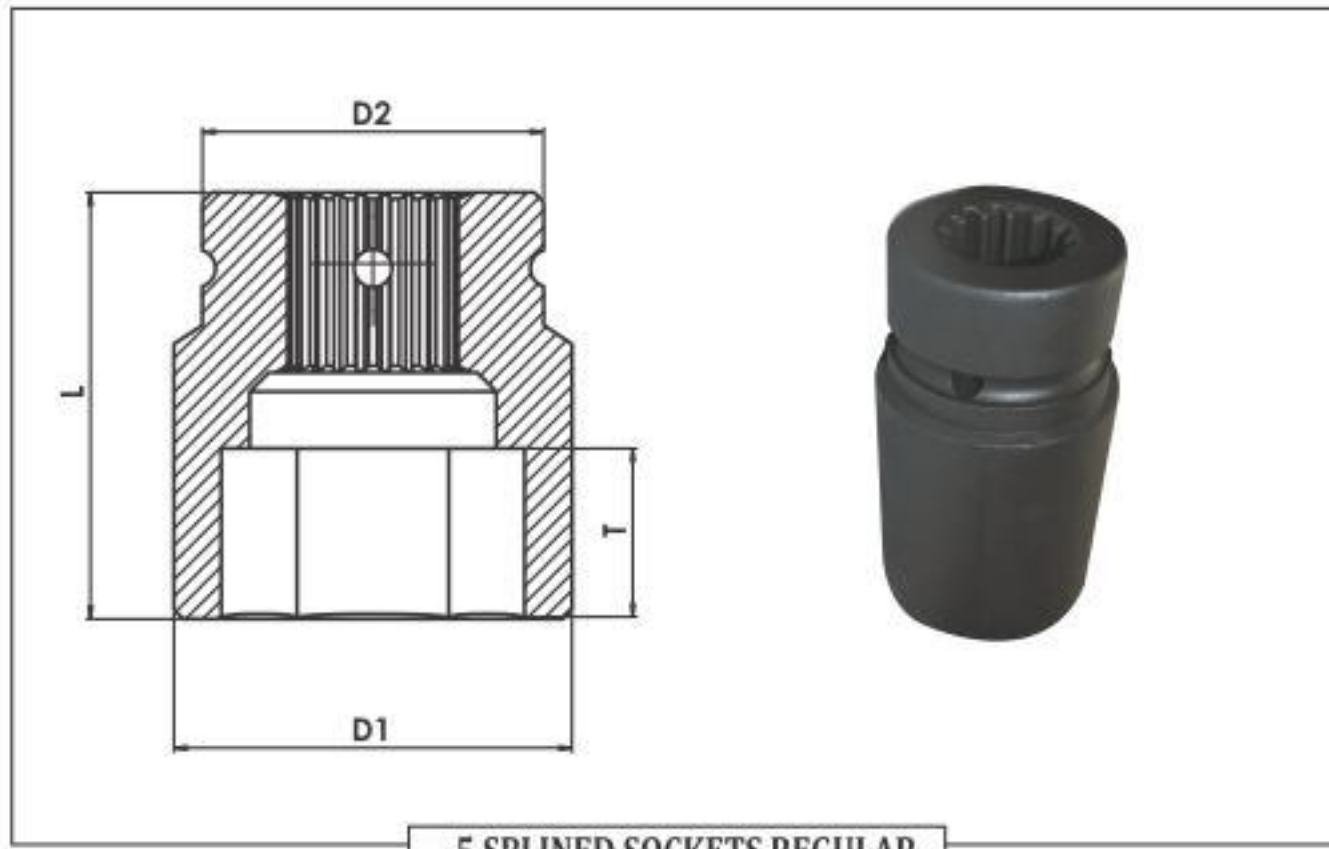
## 1.1/2" SQUARE DRIVE HEX BIT SOCKETS

Part No.	A/F Inch	A/F mm	L mm	H mm
TH625F	1"	-	140	50
TH628F	1.1/16"	-	140	50
TH630		30	140	50
TH630F	1.1/8"		140	50
TH632		32	140	50
TH632F	1.1/4"		140	50
TH636		36	145	55
TH638F	1.1/2"		145	55
TH641		41	160	60
TH641F	1.3/4		170	70
TH646		46	170	70
TH650	2"	50	170	70



HEX BIT SOCKETS

# 5" SPLINED SOCKET



5 SPLINED SOCKETS REGULAR

## 5 SPLINED SOCKETS REGULAR

Part No.	A/F mm	D1 mm	D2 mm	S mm	L mm	T mm
TI919	19	48	56	70	160	14
TI920	20	48	56	70	160	14
TI922	22	48	56	70	160	14
TI924	24	50	56	70	160	16
TI925	25	50	56	70	160	16
TI927	27	52	56	70	160	16
TI928	28	52	56	70	160	16
TI930	30	54	56	70	160	21
TI932	32	60	56	75	160	21
TI933	33	60	56	75	160	21
TI935	35	60	56	77	160	21
TI936	36	63	56	80	160	25
TI938	38	63	56	80	160	25
TI941	41	67	56	80	160	28
TI942	42	73	56	84	160	28
TI944	44	73	56	84	160	28
TI946	46	73	56	84	160	28
TI947	47	73	56	84	160	28
TI948	48	73	56	88	160	28
TI950	50	82	56	88	160	28
TI951	51	82	56	88	160	28
TI955	55	82	56	93	160	30
TI956	56	88	86	96	160	30
TI960	60	88	86	96	160	32
TI962	62	88	86	96	160	32
TI965	65	100	86	100	180	38
TI966	66	100	86	100	180	38
TI970	70	100	86	102	180	40
TI971	71	105	86	102	180	40
TI975	75	105	86	108	180	42
TI976	76	109	86	114	180	42

## UNIVERSAL JOINT

PART No.	Size	Head Dia	OAL mm
TIU95	#5	72	190



UNIVERSAL JOINT

## MALE ADAPTER

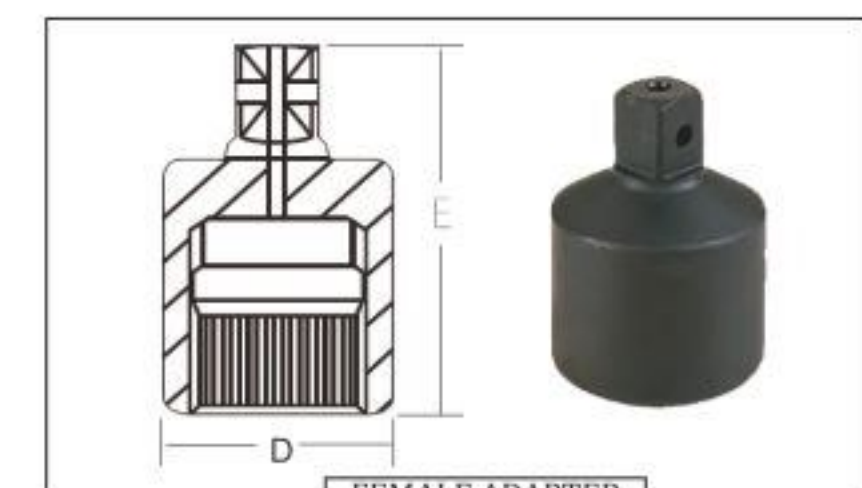
PART No.	Size	D mm	L mm
TSA96	#5 Mx1"F	60	105



FEMALE ADAPTER

## FEMALE ADAPTER

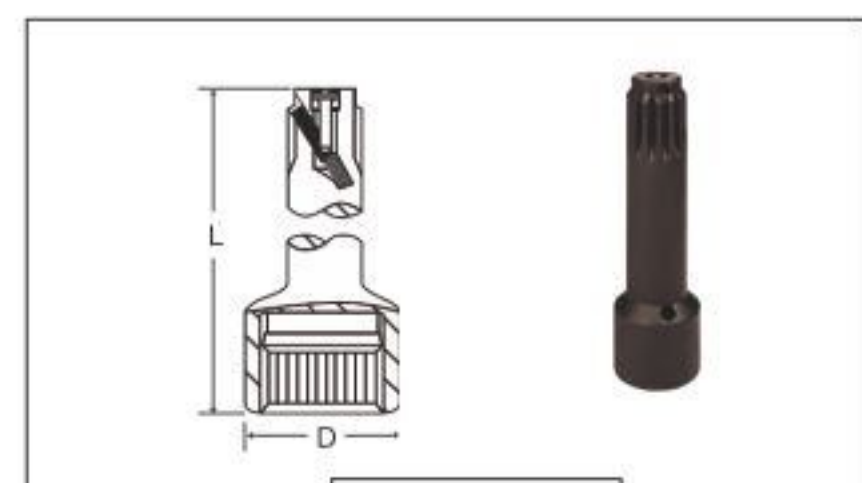
PART No.	Size	D mm	L mm
TA97	#5 Mx1"M	60	90
TA98	#5 Fx1.1/2"M	60	100



FEMALE ADAPTER

## EXTENSION BAR

PART No.	Size	D mm	L mm
TE99	42	60	120
TE100	42	60	380

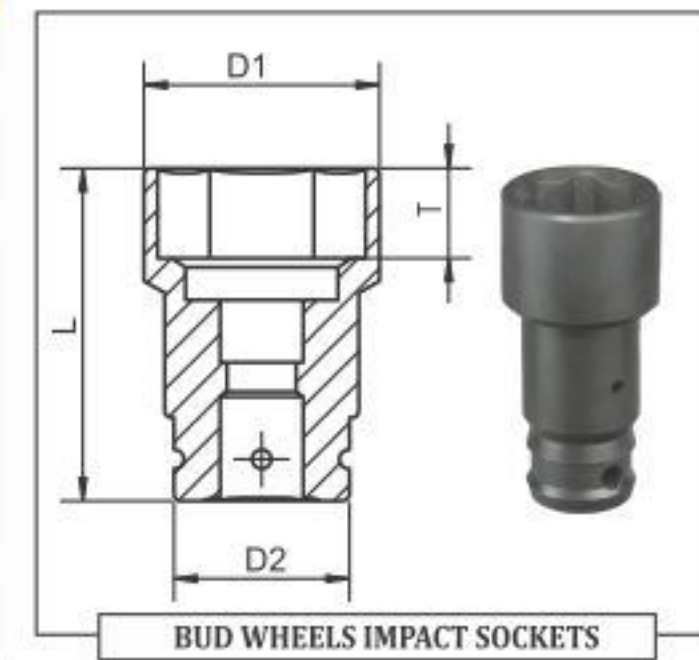


EXTENSION BAR

**Note:** All the above sizes are available in 6 point Long Length Sockets. To order Long Sockets suffix above part numbers with "L"

## BUD WHEELS IMPACT SOCKETS

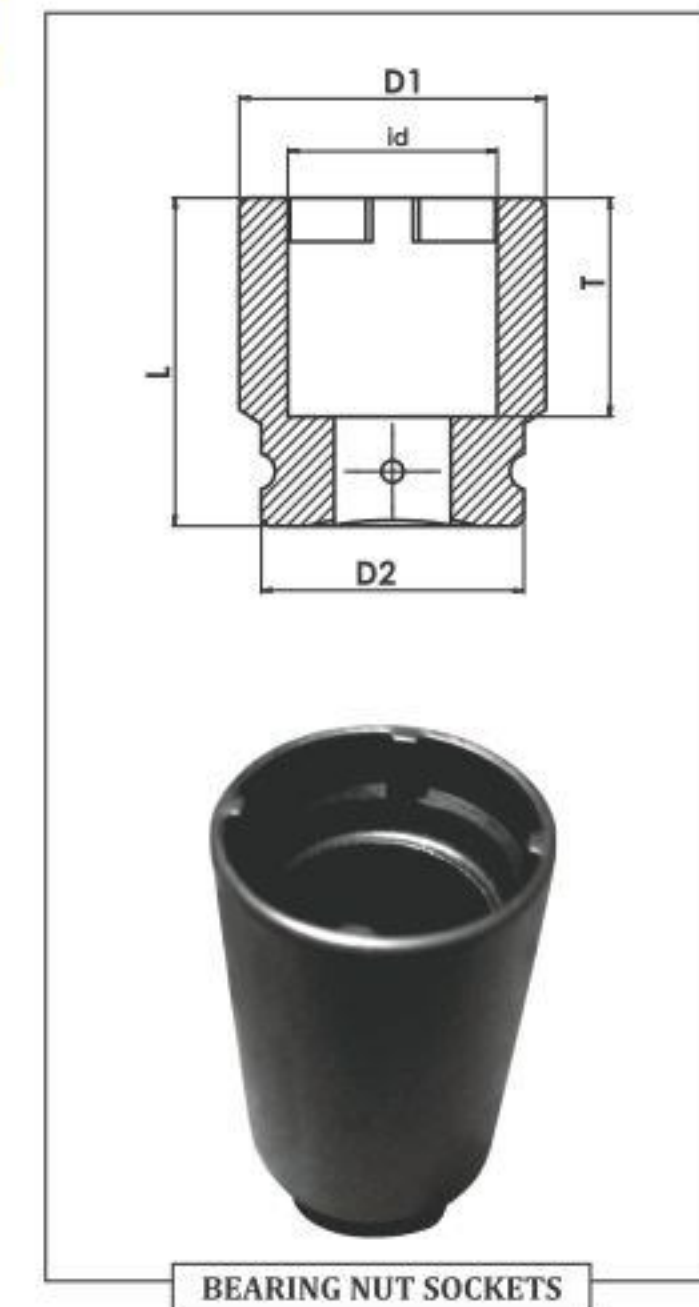
PART NO.	mm	A/F Inch	DRIVE	D1 mm	D2 mm	L mm	T mm	Weight gm
TW420F		13/16"	3/4"	42.0	44	46	12.0	390
TWL420F		13/16"	3/4"	42.0	44	90	12.0	800
TW438	38		3/4"	54.0	44	90	14.5	1000
TW517	17		1"	40.0	54	55	9	590
TW521	21		1"	47.0	54	55	10	620
TW521F		13/16"	1"	47.0	54	55	12.0	620
TW523F		15/16"	1"	52.5	54	60	13.0	720
TWL521F		13/16"	1"	47.0	54	100	12.0	1320
TWL523F		15/16"	1"	52.5	54	100	13.0	1320
TW538	38		1"	57.0	54	100	14.5	1320



# BEARING NUT SOCKETS

## BEARING NUT SOCKETS

PART NO.	SD	A/F mm	D1 mm	D2 mm	T mm	ID mm	Weight gm
TBN22F	3/8"	22	19	57	44	18.1	90
TBN230F	3/8"	30	19	57	44	22.1	110
TBN232F	1/2"	32	30	82	60	25.2	290
TBN335F	1/2"	35	30	82	60	28.2	336
TBN338F	1/2"	38	30	82	60	32.2	389
TBN344F	1/2"	44	35	82	60	38.2	500
TBN352F	1/2"	52	35	82	60	45.2	654
TBN360F	1/2"	60	38	82	60	52.2	849
TBN367F	1/2"	67	38	82	60	58.3	1021
TBN473F	3/4"	73	44	90	62	65.4	1231
TBN478F	3/4"	78	44	90	62	70.4	1300
TBN482F	3/4"	82	54	90	62	75.4	1500
TBN488F	3/4"	88	54	90	62	80.4	1620
TBN496F	3/4"	96	60	90	62	85.4	2000
TBN5103F	1"	103	86	110	74	92.5	3490
TBN5109F	1"	109	86	110	74	98.5	3680
TBN5115F	1"	115	86	110	74	105.6	3810
TBN5121F	1"	121	86	110	74	110.6	3970
TBN5130F	1"	130	86	110	74	120.3	4450
TBN5135F	1"	135	86	110	74	125.6	4540





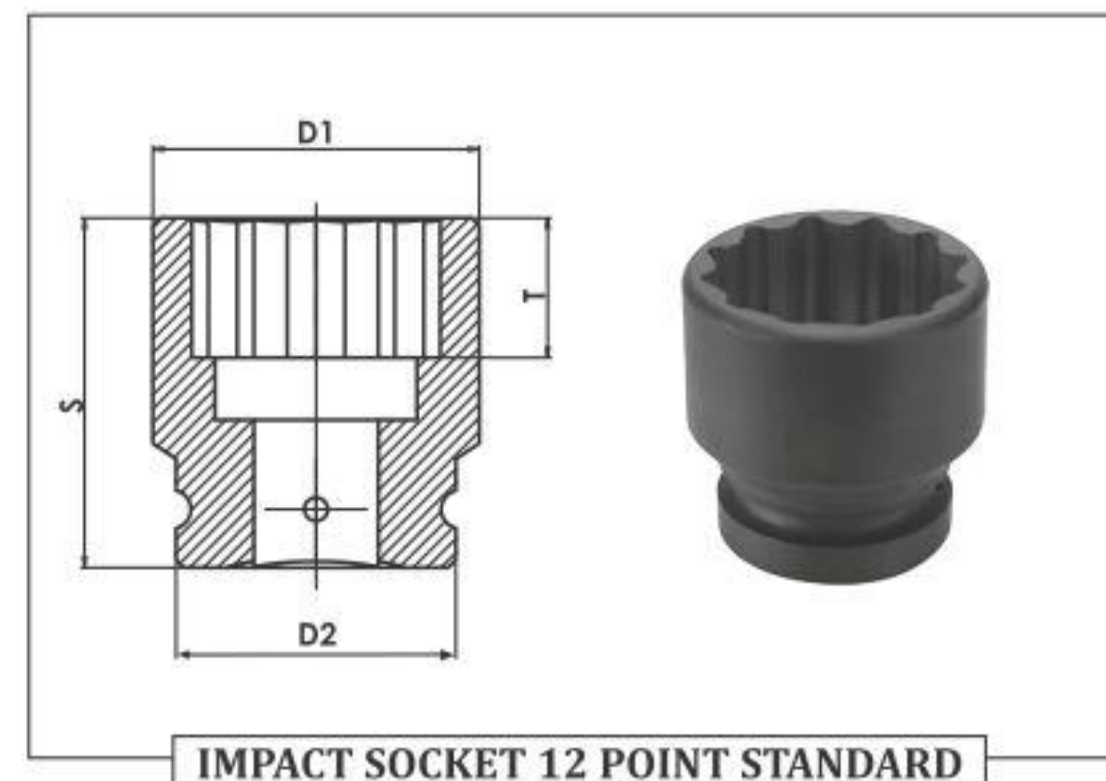
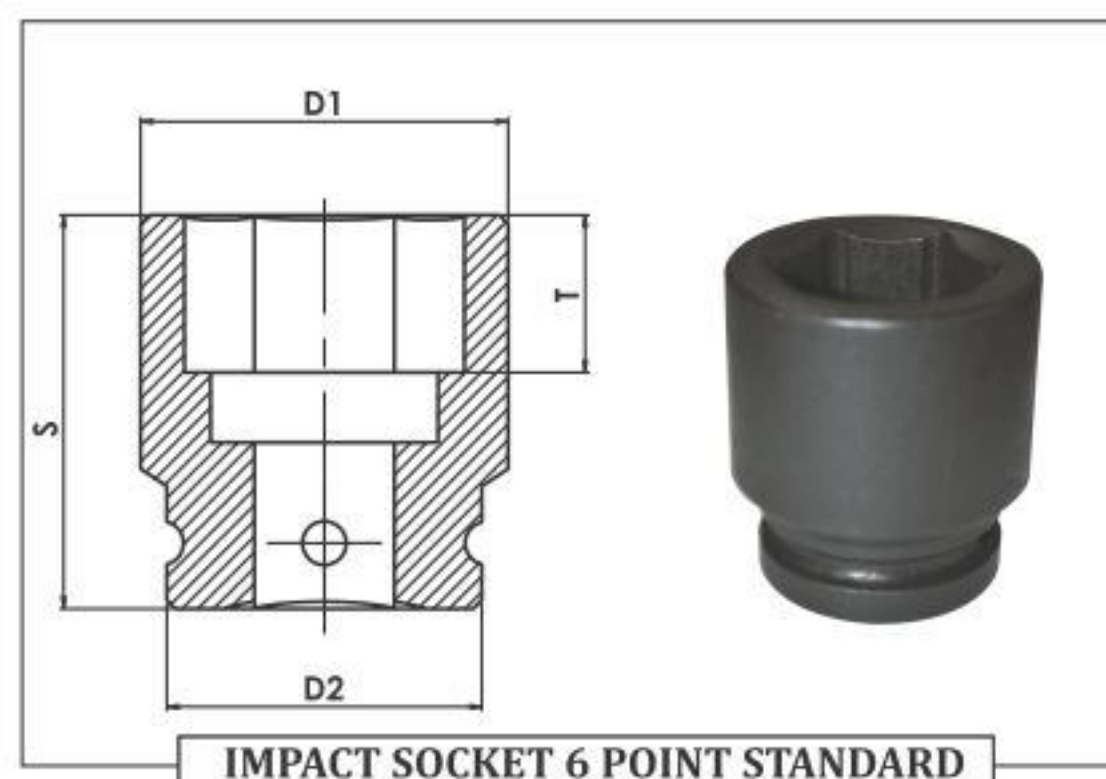
**Impact Sockets & Accessories  
for  
Heavy Duty Purpose**

TRISTAR  
PTC018247  
14-112-251  
INDIA



## IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI627F		1.1/16"	54	86	80	23	1841
TI629F		1.1/8"	58	86	80	23	1841
TI635F		1.3/8"	64	86	80	23	1841
TI636	36		64	86	80	28	2249
TI637F		1.7/16"	64	86	80	28	2249
TI638	38		69	86	80	28	2249
TI638F		1.1/2"	69	86	80	28	2249
TI640F		1.9/16"	69	86	80	30	2249
TI641	41		69	86	83	32	2249
TI641F		1.5/8"	69	86	83	36	2249
TI643F		1.11/16"	69	86	83	36	2249
TI644F		1.3/4"	69	86	83	36	2249
TI646	46		76	86	86	36	2249
TI646F		1.13/16"	76	86	86	36	2249
TI648F		1.7/8"	76	86	86	36	2351
TI650	50		81	86	90	39	2351
TI651F		2"	81	86	90	39	2351
TI652		2.1/16"	81	86	90	39	2351
TI655	55		88	86	95	41	2555
TI655F		2.3/16"	88	86	95	41	2555
TI657F		2.1/4"	88	86	95	41	2861
TI660	60		96	86	98	45	2861
TI660F		2.3/8"	96	86	98	45	3269
TI661F		2.7/16"	96	86	98	45	3269
TI665	65		102	86	102	46	3421
TI665F		2.9/16"	102	86	102	46	3421
TI666F		2.5/8"	102	86	102	46	3421
TI670	70		108	86	102	50	3677
TI670F		2.3/4"	108	86	102	50	3677
TI671F		2.13/16"	108	86	102	50	3677
TI675	75		116	86	108	57	3983
TI675F		2.15/16"	116	86	108	57	3983
TI676F		3"	112	86	108	57	4595
TI680	80		120	86	110	62	4595
TI680F		3.1/8"	120	86	110	62	4595
TI685	85		130	86	115	62	6126
TI685F		3.3/8"	130	86	115	62	6126
TI690	90		135	125	118	65	6726
TI690F		3.1/2"	135	125	118	65	6726
TI695	95		140	125	123	70	9486
TI695F		3.3/4"	140	125	123	70	9486
TI6100	100		148	125	128	75	10206
TI6100F		3.7/8"	148	125	128	75	10206
TI6105	105		155	125	133	80	11406
TI6105F		4.1/8"	155	125	133	80	11406
TI6106F		4.1/4"	155	125	133	80	12246
TI6110	110		161	150	138	85	12486
TI6115	115		161	150	143	94	12606
TI6115F							
TI6120							
TI6120F							

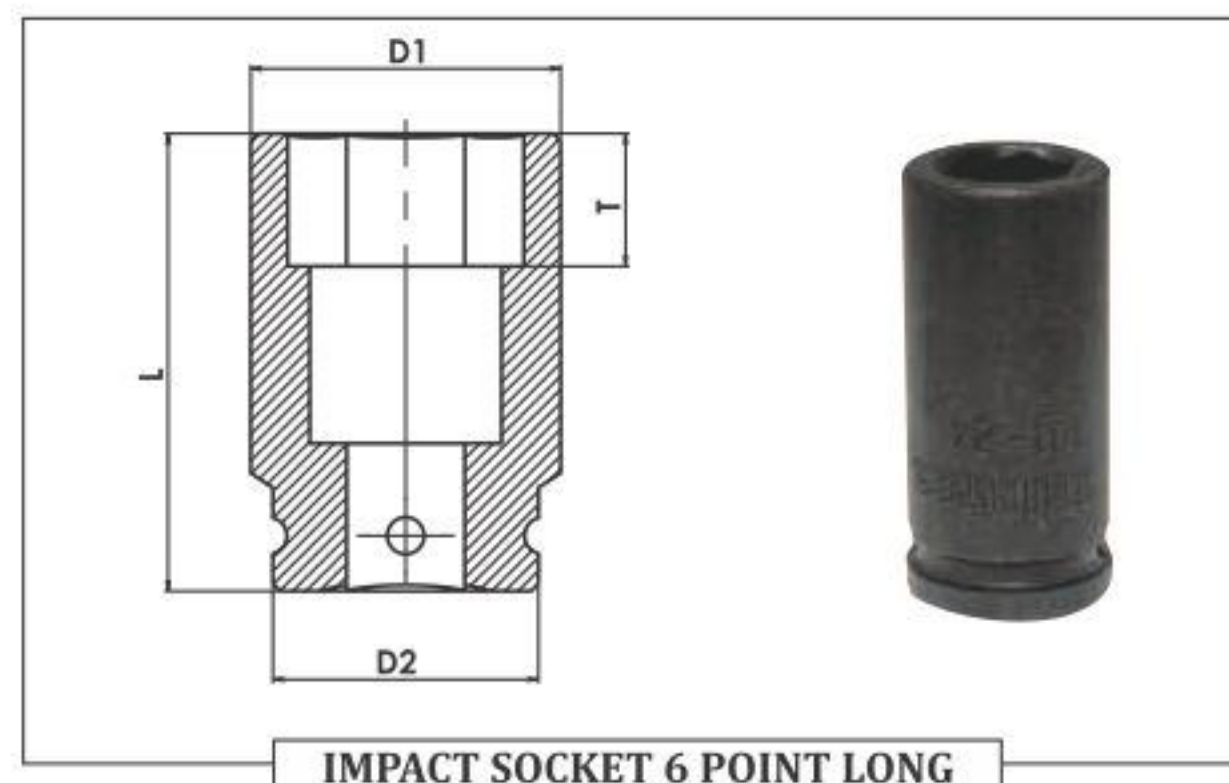


**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

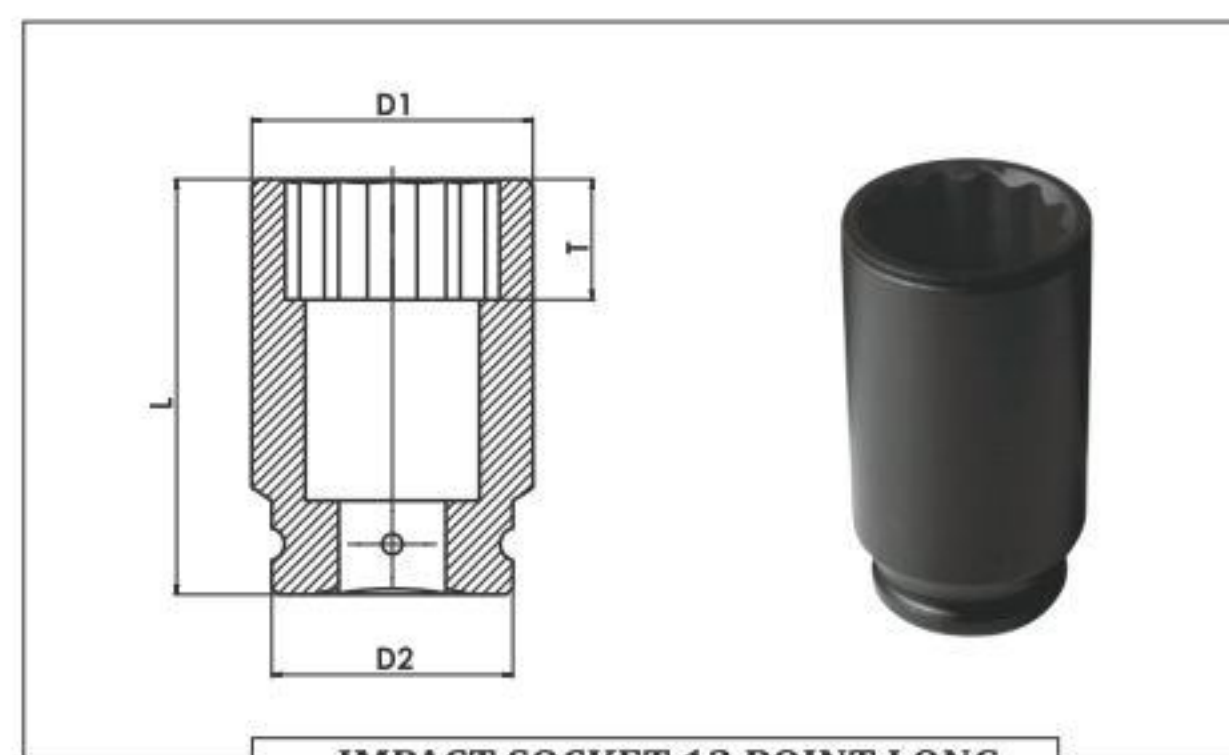
## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL627F		1.1/16"	54	86	130	23	5406
TIL629F		1.1/8"	58	86	130	23	5406
TIL635F		1.3/8"	64	86	130	23	5406
TIL636	36		64	86	130	28	5406
TIL637F		1.7/16"	64	86	130	28	5406
TIL638	38		69	86	130	28	5406
TIL638F		1.1/2"	69	86	130	28	5406
TIL640F		1.9/16"	69	86	130	30	5406
TIL641	41		69	86	130	32	5406
TIL641F		1.5/8"	69	86	130	36	5406
TIL643F		1.11/16"	69	86	130	36	5406
TIL644F		1.3/4"	69	86	130	36	5406
TIL646	46		76	86	130	36	5406
TIL646F		1.13/16"	76	86	130	36	5406
TIL648F		1.7/8"	76	86	130	36	5406
TIL650	50		81	86	130	39	5406
TIL651F		2"	81	86	130	39	5406
TIL652F		2.1/16"	81	86	140	39	5406
TIL655	55		88	86	140	41	5406
TIL655F		2.3/16"	88	86	140	41	5406
TIL657F		2.1/4"	88	86	140	41	5406
TIL660	60		96	86	140	45	5526
TIL660F		2.3/8"	96	86	140	45	5526
TIL661F		2.7/16"	96	86	140	45	5526
TIL665	65		102	86	140	46	5886
TIL665F		2.9/16"	102	86	140	46	5886
TIL666F		2.5/8"	102	86	140	46	5886
TIL670	70		108	86	150	50	6006
TIL670F		2.3/4"	108	86	150	50	6006
TIL671F		2.13/16"	108	86	150	50	6006
TIL675	75		116	86	150	57	6726
TIL675F		2.15/16"	116	86	150	57	6726
TIL676F		3"	112	86	150	57	7086
TIL680	80		120	86	150	62	7086
TIL680F		3.1/8"	120	86	150	62	7086
TIL685	85		130	86	170	62	7446
TIL685F		3.3/8"	130	86	170	62	7446
TIL690	90		135	125	170	65	8166
TIL690F		3.1/2"	135	125	170	65	8166
TIL695	95		140	125	170	70	11886
TIL695F		3.3/4"	140	125	170	70	11886
TIL6100	100		148	125	190	75	12846
TIL6100F		3.7/8"	148	125	190	75	12846
TIL6105	105		155	125	190	80	14286
TIL6105F		4.1/8"	155	125	190	80	14286
TIL6106F		4.1/4"	155	125	190	80	14286
TIL6110	110		161	150	200	85	15006
TIL6115	115		161	150	200	94	15006

TIL6115F  
TIL6120  
TIL6120F



IMPACT SOCKET 6 POINT LONG



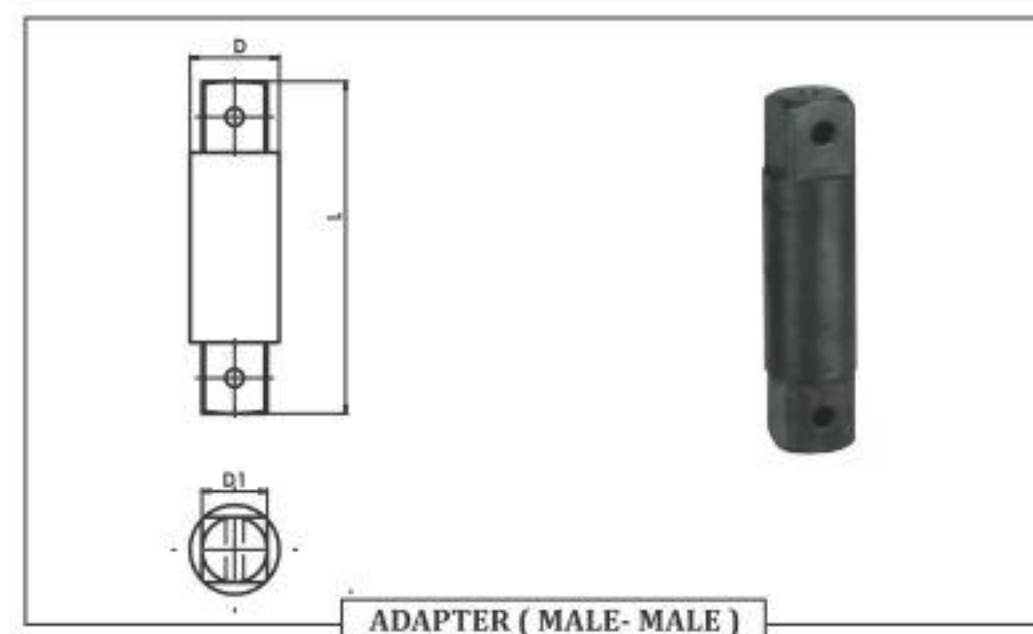
IMPACT SOCKET 12 POINT LONG

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

# 1.1/2" SQUARE DRIVE

## ADAPTER ( MALE-MALE)

Part No.	Type	Mail	D mm	L mm	Wt (gm)
TA601		1.1/2"	49	101	1205
TA602	1.1/2"D	1.1/2"	49	127	1545
TA603		1.1/2"	49	254	3425
TA604		1.1/2"	49	504	6555



ADAPTER ( MALE- MALE )

## ADAPTER ( FEMALE- MALE)

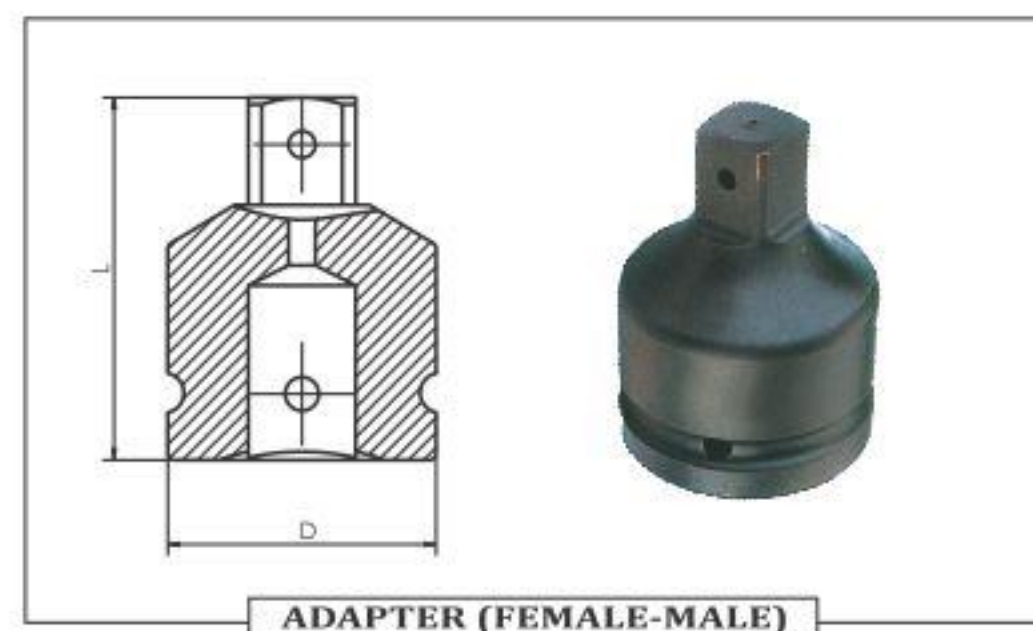
Part No.	Type	D1	D2	D mm	L mm	Wt (gm)
TA605		1.1/2"	1"	86	95	2305
TA606	1.1/2D	1.1/2"	2.1/2"	86	93	2305
TA606		1.1/2"	SPLINE NO.5	86	138	2305



ADAPTER ( FEMALE- FEMALE)

## ADAPTER ( FEMALE-FEMALE)

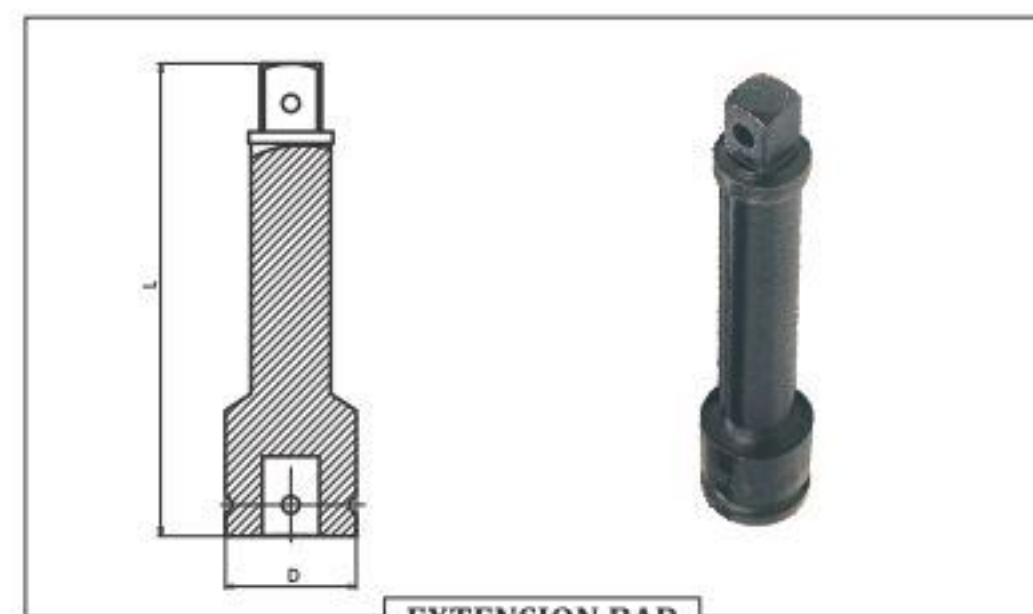
Part No.	Type	D1	D2	D mm	L mm	Wt (gm)
TA607		1.1/2"	1"	86	83	2055
TA608	1.1/2"D	1.1/2"	2.1/2"	86	85	2695
TA609		1.1/2"	SPLINE NO.5	127	115	6505



ADAPTER ( FEMALE- MALE)

## EXTENSION BAR

Part No.	Type	Male	Female	D mm	L mm	Wt (gm)
TAE610		1.1/2"	1.1/2"	86	150	3985
TAE611	1.1/2"D	1.1/2"	1.1/2"	86	225	4545
TAE612		1.1/2"	1.1/2"	86	300	5005
TAE613		1.1/2"	1.1/2"			



EXTENSION BAR

## UNIVERSAL JOINT

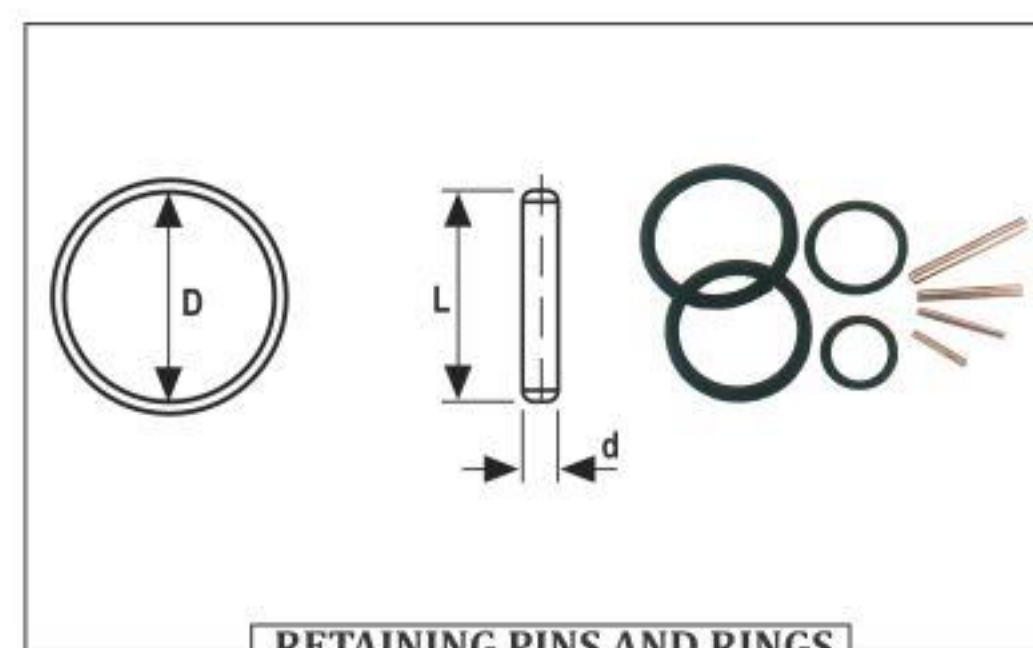
Part No.	Square Size	Type	D mm	L mm	Wt (gm)
TAU614	1.1/2"	1/2"D	86	125	4075



UNIVERSAL JOINT

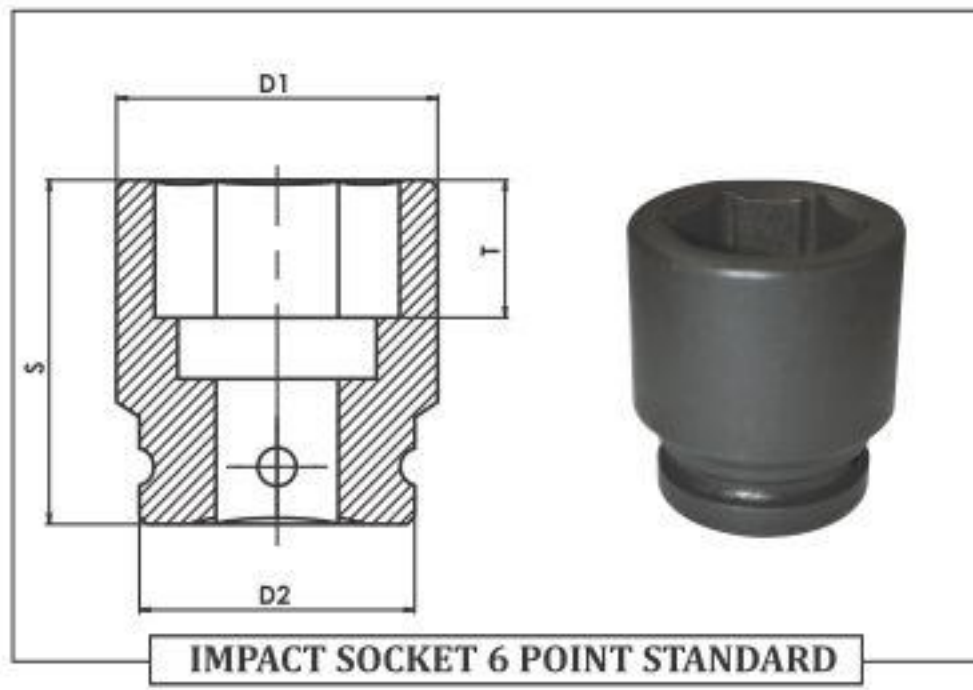
## RETAINING PINS AND RINGS

Part No.	Retainig Ring	Type	For Socket		Pin		Ring
			Square Size	Dia. of sq end	D (mm)	L (mm)	D (mm)
TAP6015	TAR617	1.1/2"D	1.1/2"	86	6	75	75
TAP616	TAR618	1.1/2"	1.1/2"	127	6	116	116

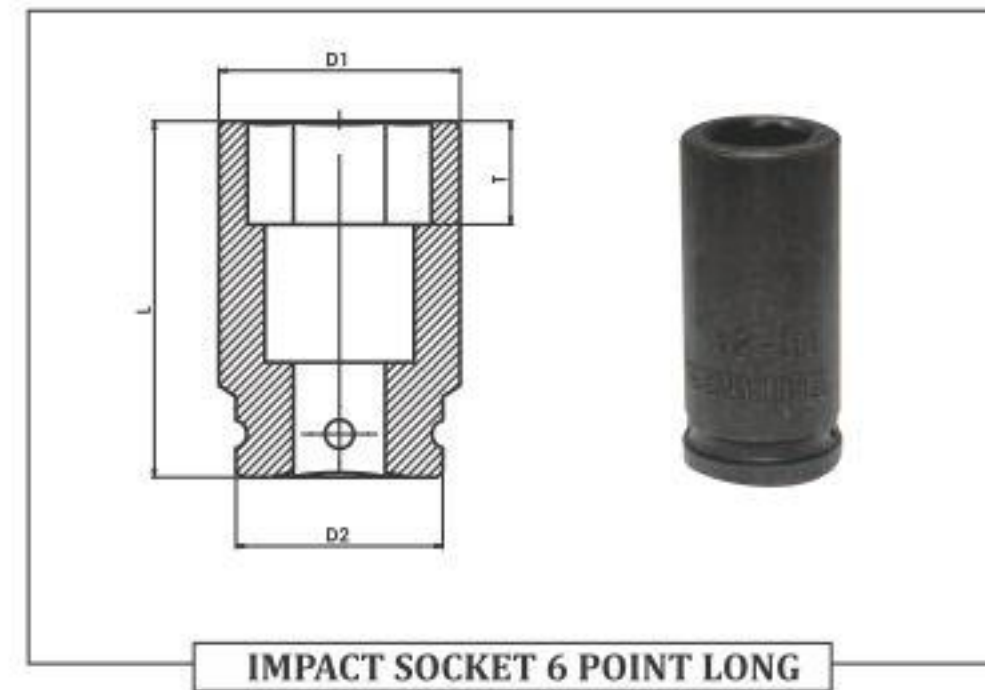


RETAINING PINS AND RINGS

# 2.1/2" SQUARE DRIVE



IMPACT SOCKET 6 POINT STANDARD



IMPACT SOCKET 6 POINT LONG

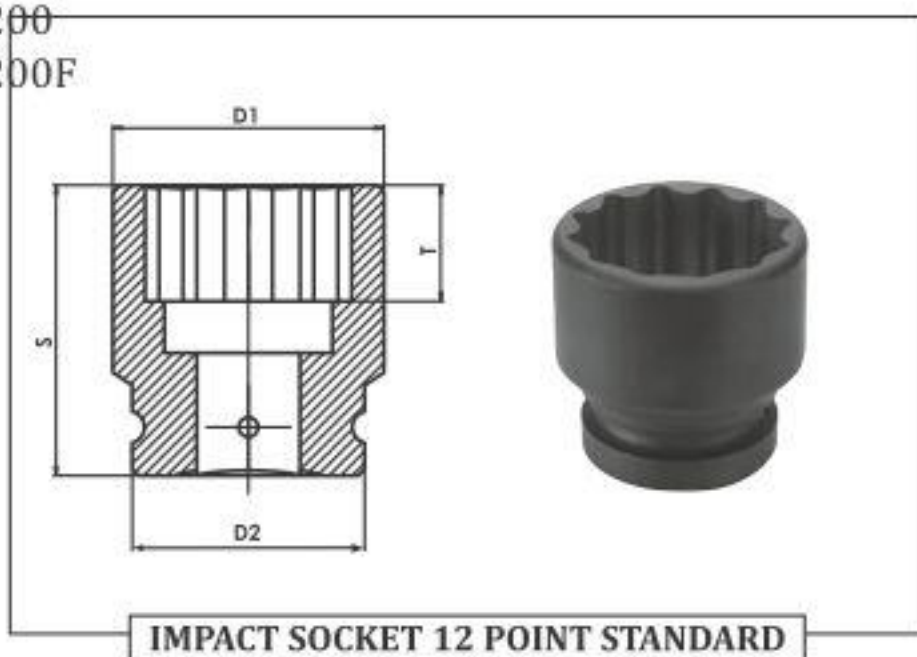
## IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	S mm	T mm	Weight gm
TI760	60		120	125	120	45	8406
TI760F		2.3/8"	120	125	120	45	8406
TI765	65		125	125	120	46	8406
TI765F		2.9/16"	125	125	120	46	8406
TI770	70		130	125	120	50	8406
TI770F		2.3/4"	130	125	120	50	8406
TI775	75		130	125	130	57	9126
TI775F		2.15/16"	130	125	130	57	9126
TI780	80		135	125	140	62	9126
TI780F		3.1/8"	135	125	140	62	9606
TI785	85		140	125	140	62	9606
TI785F		3.3/8"	140	125	140	62	9606
TI790	90		145	125	140	65	9726
TI790F		3.5/8"	145	125	140	65	9726
TI795	95		155	125	150	70	9846
TI795F		3.3/4"	155	125	150	70	9846
TI796F	-	3.7/8"	155	125	150	70	10806
TI7100	100		160	125	150	75	10806
TI7100F		4"	160	125	150	75	10806
TI7105	105		165	125	160	80	10806
TI7105F		4.1/8"	165	125	160	80	10806
TI7110	110		174	150	160	85	13206
TI7110F		4.3/8"	174	150	160	85	13206
TI7115	115		180	150	170	90	13806
TI7115F		4.1/2"	180	150	170	90	13806
TI7116	-	4.5/8"	180	150	175	90	14406
TI7120	120		185	150	175	94	14406
TI7120F		4.3/4"	185	150	175	94	14406
TI7121F	-	4.7/8"	185	150	175	94	14406
TI7125F	-	5"	195	150	175	98	16926
TI7130	130		195	150	175	98	16926
TI7135	135		205	150	180	102	16926
TI7135F		5.3/8"	205	150	180	102	20406
TI7145	145		220	150	180	105	24006
TI7145F		5.3/4"	220	150	180	105	24006
TI7150	150	-	230	180	190	110	26406
TI7155	155		230	180	190	110	26406
TI7155F		6.1/8"	230	180	190	110	26406
TI7160	160	-	240	180	190	110	27606
TI7165	165		240	180	200	120	36006
TI7165F		6.1/2"	240	180	200	120	36006
TI7175	175		255	180	200	120	38406
TI7175F		6.7/8"	255	180	200	120	38406
TI7185	185		270	180	210	130	43206
TI7185F		7.1/4"	270	180	210	130	43206
TI7195	195		275	180	210	130	48006
TI7195F			275	180	210	130	48006

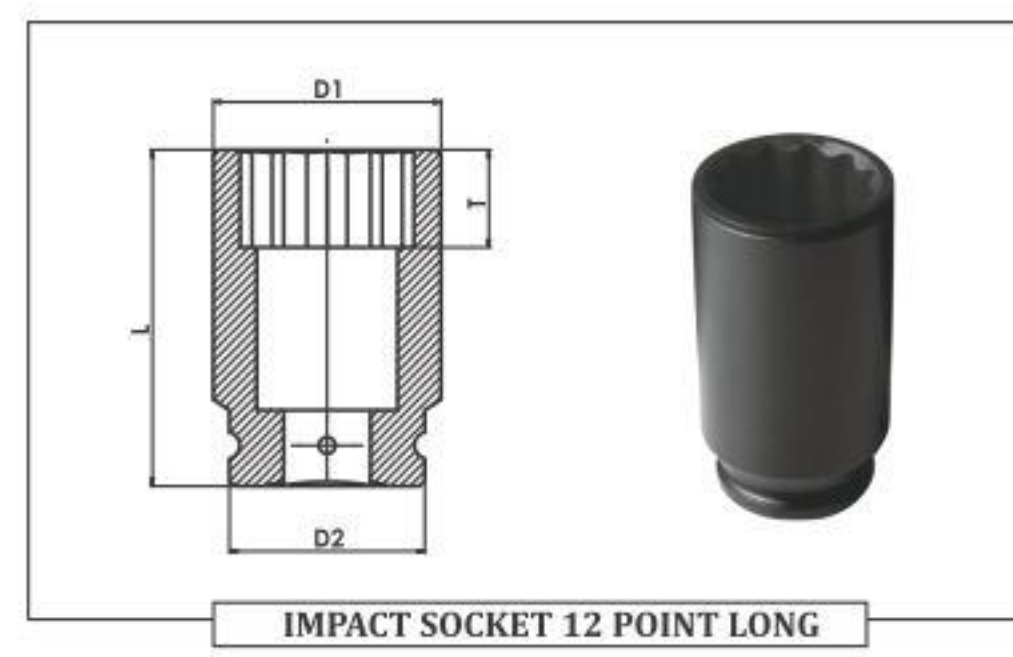
## IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL760	60		120	125	190	45	13206
TIL760F		2.3/8"	120	125	190	45	13206
TIL765	65		125	125	190	46	13206
TIL765F		2.9/16"	125	125	190	46	13206
TIL770	70		130	125	190	50	13206
TIL770F		2.3/4"	130	125	190	50	13206
TIL775	75		130	125	190	57	13206
TIL775F		2.15/16"	130	125	190	57	13206
TIL780	80		135	125	190	62	13206
TIL780F		3.1/8"	135	125	190	62	13206
TIL785	85		140	125	190	62	15006
TIL785F		3.3/8"	140	125	190	62	15006
TIL790	90		145	125	190	65	15006
TIL790F		3.5/8"	145	125	190	65	15006
TIL795	95		155	125	190	70	15606
TIL795F		3.3/4"	155	125	190	70	15606
TIL796F	-	3.7/8"	155	125	190	70	16806
TIL7100	100		160	125	200	75	16806
TIL7100F		4"	160	125	200	75	16806
TIL7105	105		165	125	200	80	18606
TIL7105F		4.1/8"	165	125	200	80	18606
TIL7110	110		174	150	210	85	20406
TIL7110F		4.3/8"	174	150	210	85	20406
TIL7115	115		180	150	210	90	21606
TIL7115F		4.1/2"	180	150	210	90	21606
TIL7116	-	4.5/8"	180	150	220	94	22806
TIL7120	120		185	150	220	94	22806
TIL7120F		4.3/4"	185	150	220	94	22806
TIL7121F	-	4.7/8"	185	150	220	94	22806
TIL7125F	-	5"	195	150	220	98	24006
TIL7130	130		195	150	220	98	24006
TIL7135	135		205	150	220	102	26406
TIL7135F		5.3/8"	205	150	220	102	26406
TIL7145	145		220	150	230	105	31206
TIL7145F		5.3/4"	220	150	230	105	31206
TIL7150	150	-	230	180	250	110	31206
TIL7155	155		230	180	250	110	31206
TIL7155F		6.1/8"	230	180	250	110	31206
TIL7160	160	-	240	180	-	110	39606
TIL7165	165		240	180	-	120	39606
TIL7165F		6.1/2"	240	180	-	120	39606
TIL7175	175		255	180	-	120	49206
TIL7175F		6.7/8"	255	180	-	120	49206
TIL7185	185		270	180	-	130	54006
TIL7185F		7.1/4"	270	180	-	130	54006
TIL7195	195		275	180	-	130	66006
TIL7195F			275	180	-	130	66006
TIL7200							
TIL7200F							

TI7200  
TI7200F



IMPACT SOCKET 12 POINT STANDARD



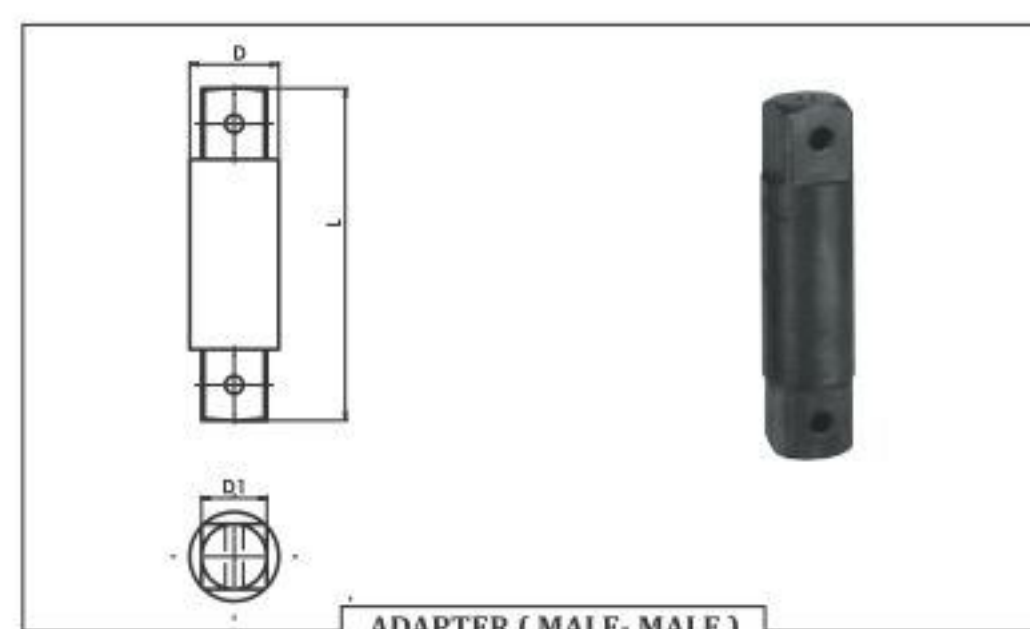
IMPACT SOCKET 12 POINT LONG

**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets. To order Bi-Hex suffix above part numbers with "BH"

# 2.1/2" SQUARE DRIVE

## ADAPTER [MALE-MALE]

Part No.	Type	Square	D (mm)	L (mm)	Wt (grm)
TA701		2.1/2"	84	127	5005
TA702		2.1/2"	84	152	6010
TA703		2.1/2"	84	203	7505
TA704	2.1/2"D	2.1/2"	84	254	9505
TA705		2.1/2"	84	381	15500
TA706		2.1/2"	84	508	20505



ADAPTER (MALE-MALE)

## ADAPTER (FEMALE-FEMALE)

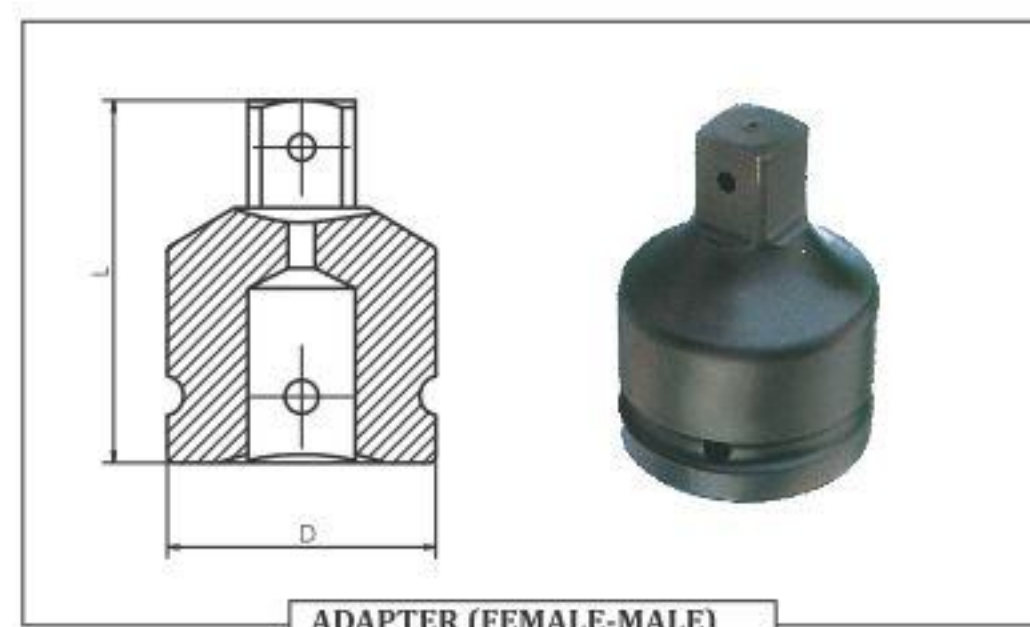
PART No.	Type	D1 mm	D2 mm	D mm	L mm	Weight grm
TA708		2.1/2"	1.1/2"	127	115	6505
TA709	2.1/2"D	2.1/2"	2.1/2"	127	117	7405
TA710		3.1/2"	2.1/2"	175	161	16125



ADAPTER (FEMALE-FEMALE)

## ADAPTER (FEMALE-MALE)

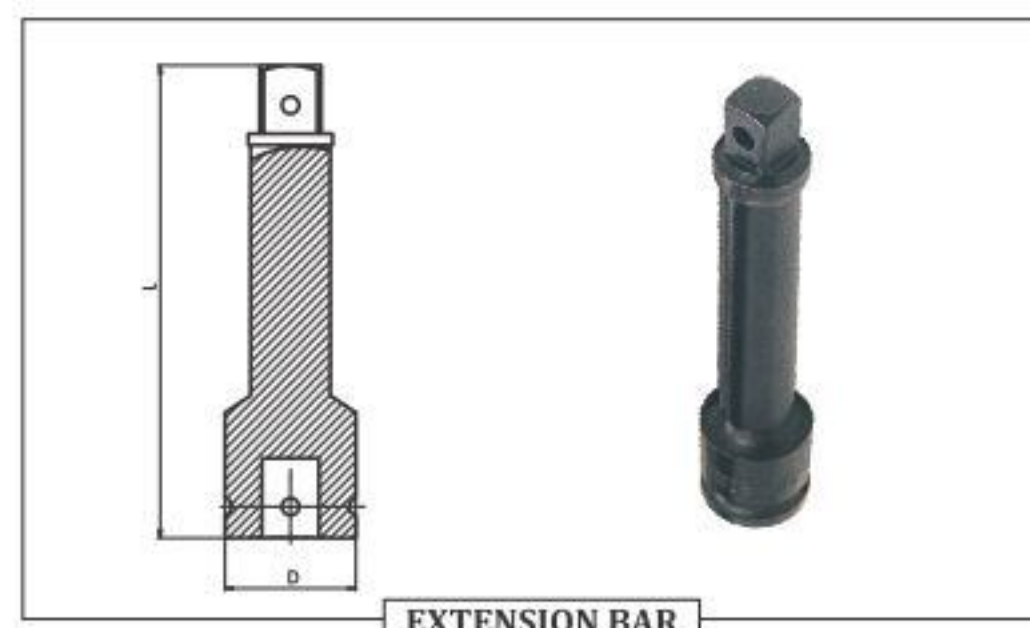
Part No.	Type	Male	Female	D mm	L mm	Wt (gm)
TA711		1.1/2"	2.1/2"	127	138	6565
TA712	2.1/2"D	3.1/2"	2.1/2"			



ADAPTER (FEMALE-MALE)

## EXTENSION BAR

SQUARE SIZE						
Part No.	Type	Male	Female	D mm	L mm	Wt (gm)
TAE713		2.1/2"	2.1/2"	104	255	14025
TAE714	2.1/2"D	2.1/2"	2.1/2"	104	380	21025
TAE715		2.1/2"	2.1/2"	104	510	31025



EXTENSION BAR

## UNIVERSAL JOINT

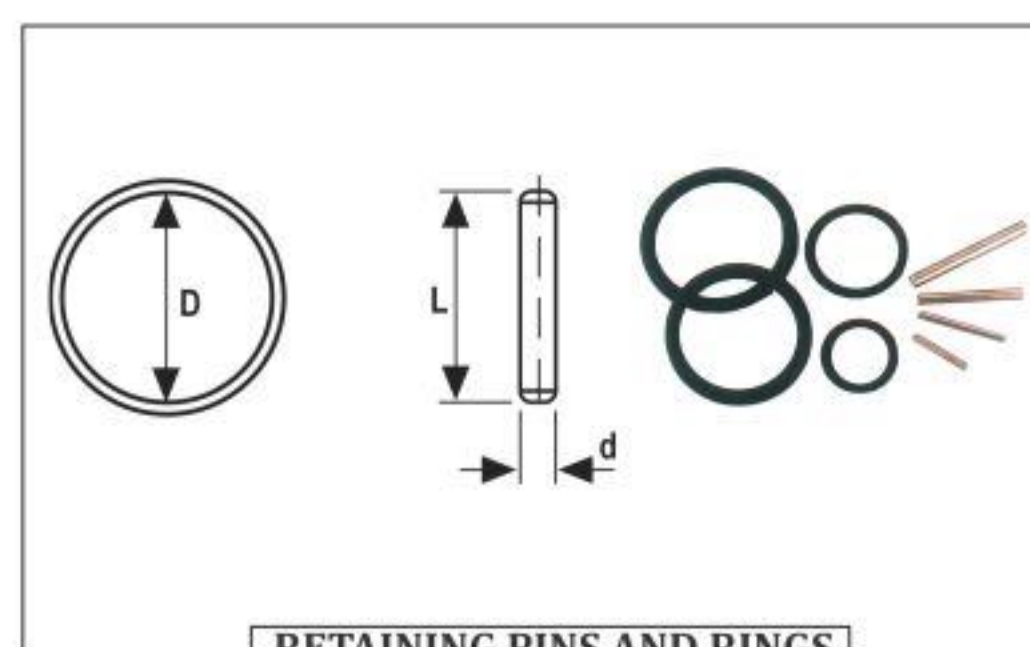
Part No.	Square Size	Type	D mm	L mm	Wt (gm)
TAU716	2.1/2"	2.1/2"D	127	200	12305



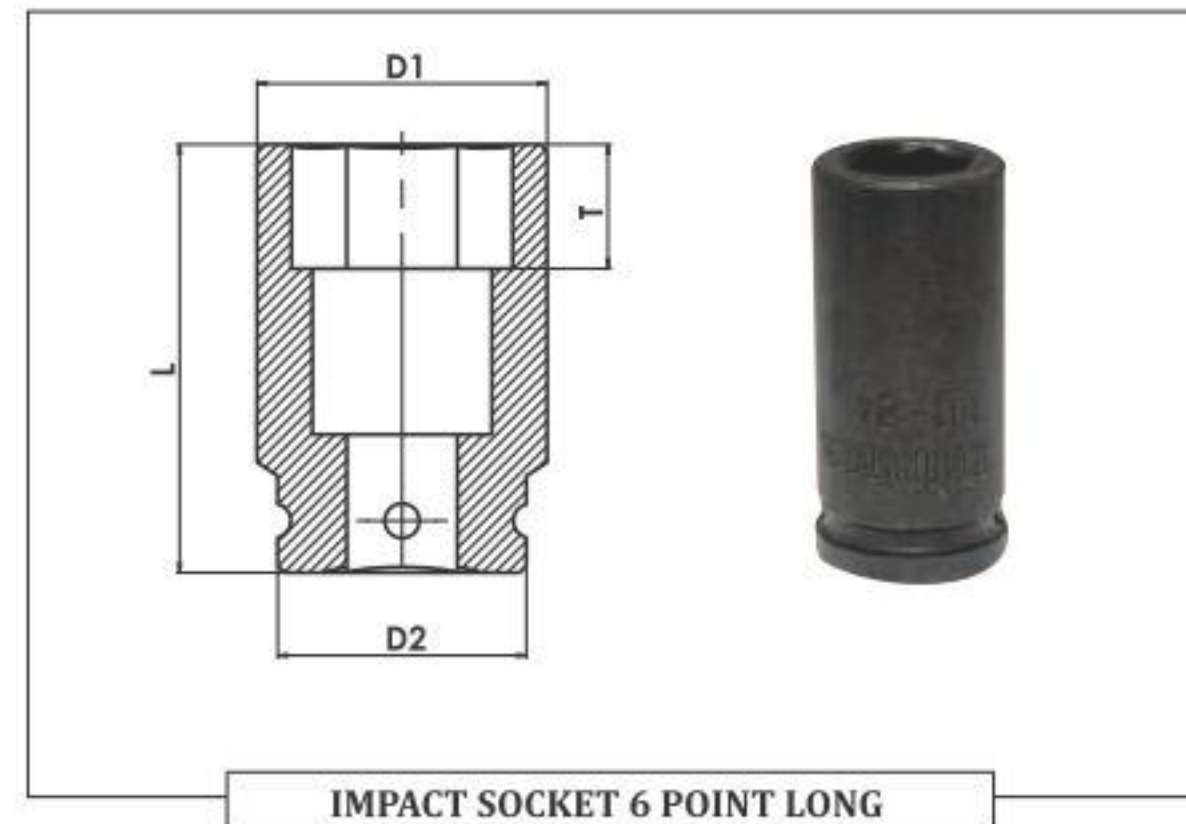
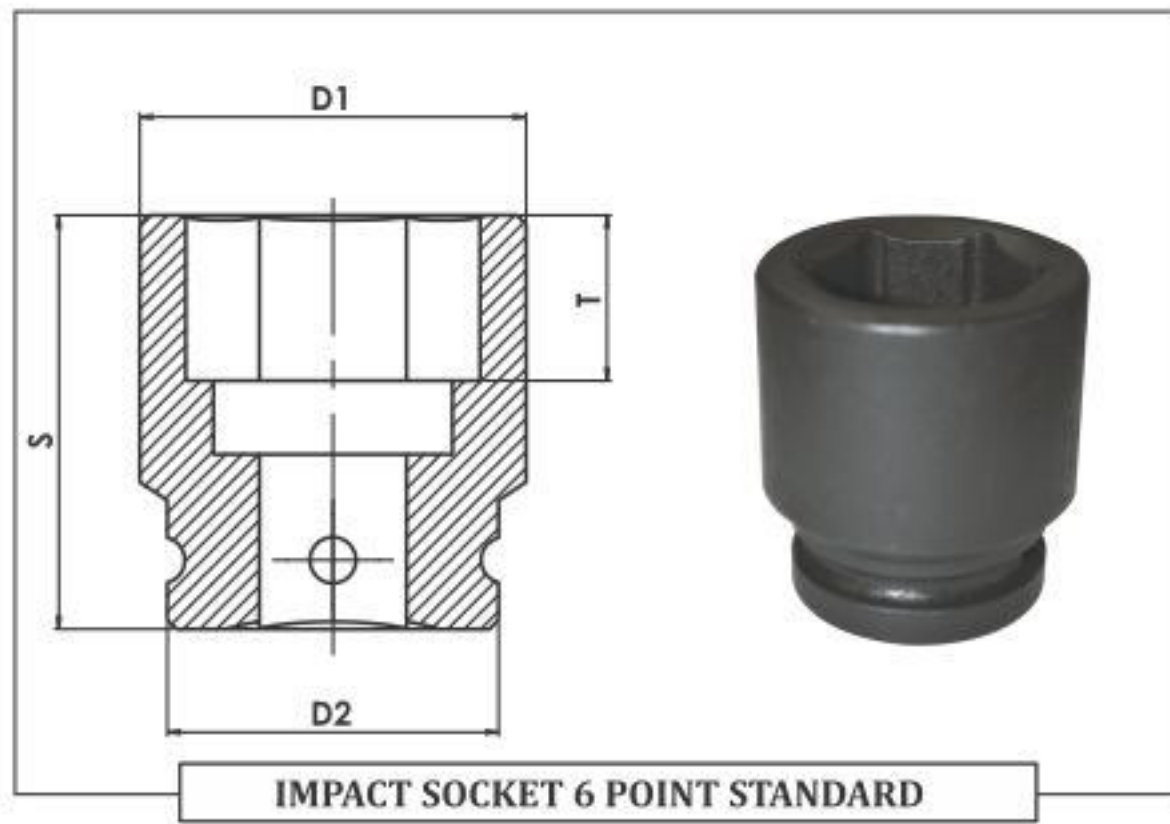
UNIVERSAL JOINT

## RETAINING PINS AND RINGS

Part No.		For Socket			Pin		Ring
Retainig Pin	Ring	Type	Square Size	Dia. of sq end	D (mm)	L (mm)	D (mm)
TAP717	TAR717	2.1/2"D	2.1/2"	127	8	110	114
TAP718	TAR718		2.1/2"	150	8	133	136
TAP719	TAR719		2.1/2"	175	8	158	162



RETAINING PINS AND RINGS

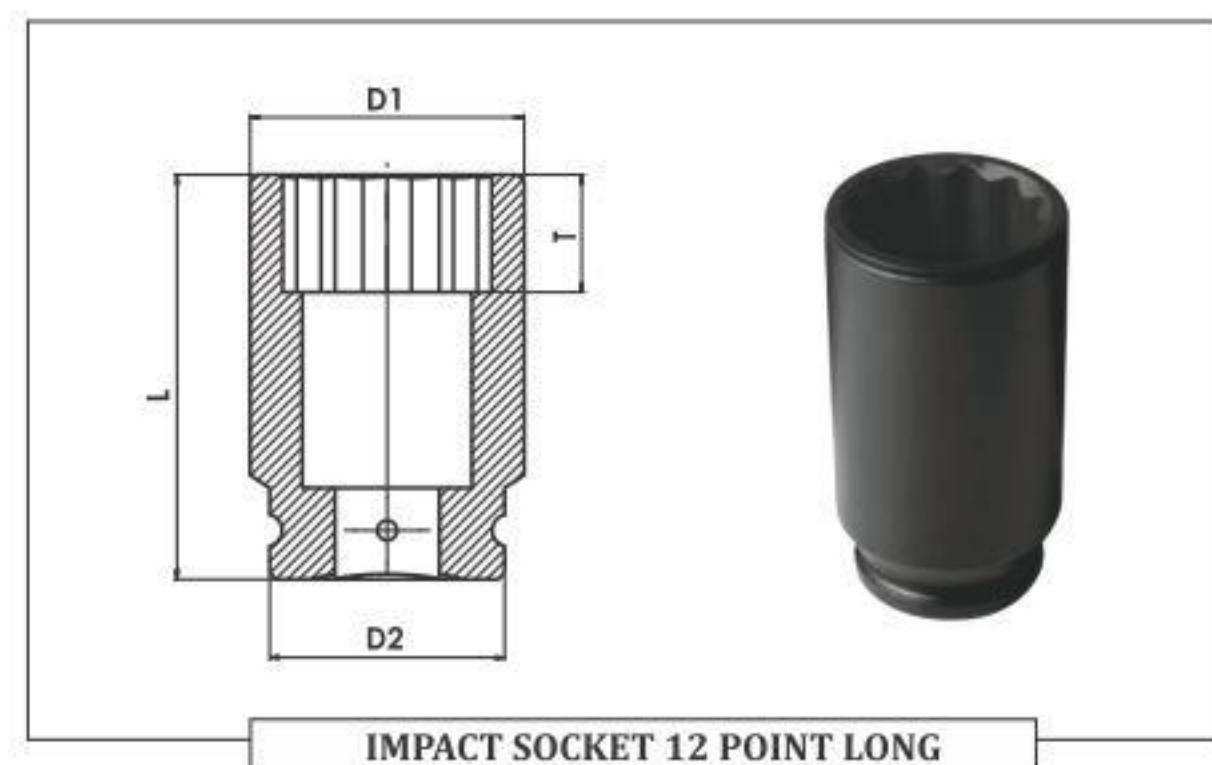
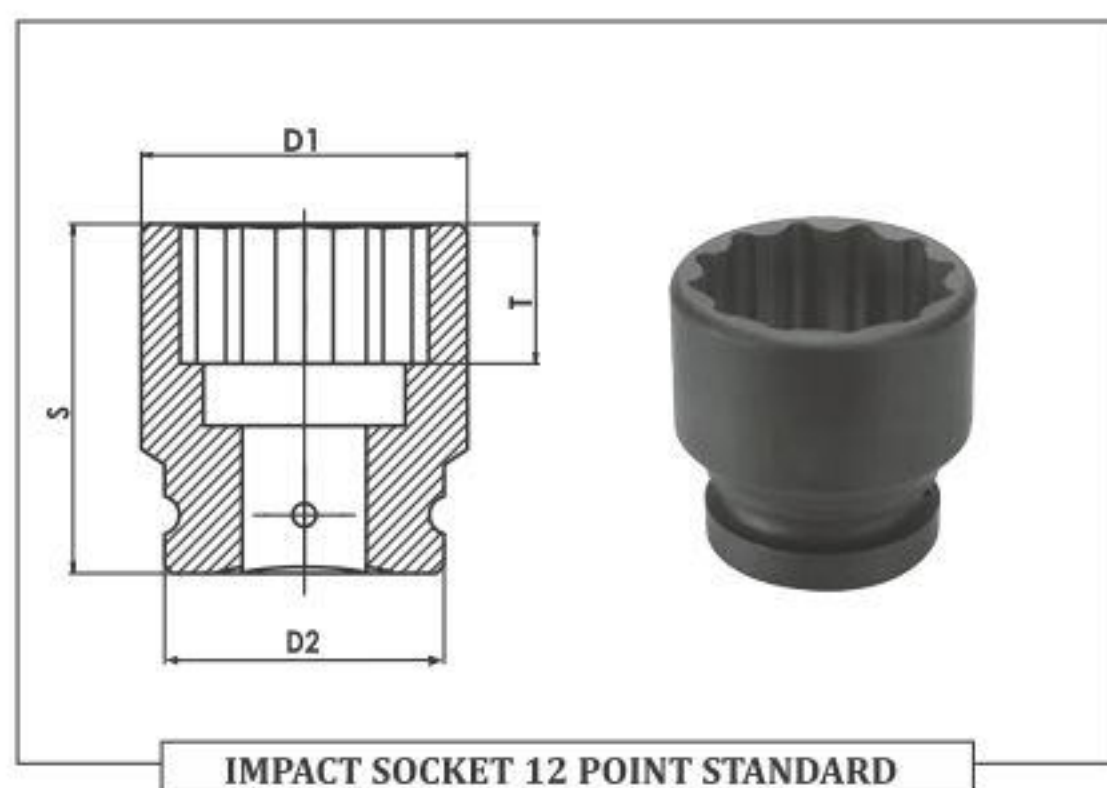


### IMPACT SOCKET 6 POINT STANDARD

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TI8120	120		180	175	182	72	24126
TI8120F		4.5/8"	180	175	182	72	24126
TI8130	130		193	175	190	80	26646
TI8130F		4.7/8"	193	175	190	80	26646
TI8135	135		197	175	198	83	26646
TI8135F		5.1/4"	197	175	198	83	26646
TI8145	145		213	175	214	86	39726
TI8145F		5.3/8"	213	175	214	86	43206
TI8150	150		218	175	214	90	43206
TI8150F		5.5/8"	218	175	214	90	43206
TI8155	155		225	175	214	92	43206
TI8155F		5.3/4"	225	175	214	92	43206
TI8165	165		237	175	231	98	48006
TI8165F		6.1/2"	237	175	231	98	48006
TI8170	170		243	175	231	100	55206
TI8170F		6.3/4"	243	175	231	100	55206
TI8175	175		249	175	231	102	62406
TI8175F		6.7/8"	249	175	231	102	62406
TI8180	180		255	175	237	108	62406
TI8180F		7"	255	175	237	108	62406
TI8195	195		275	175	245	118	70806
TI8195F		7.5/8"	275	175	245	118	70806
TI8200	200		280	175	250	120	84006
TI8200F		8"	280	175	250	120	88806
TI8215	215		298	175	263	125	97206
TI8215F		8.1/2"	298	175	263	125	97206
TI8230	230		317	175	279	132	108006
TI8230F		9"	317	175	279	132	108006
TI8235							
TI8235F							

### IMPACT SOCKET 6 POINT LONG

PART NO.	mm	A/F Inch	D1 mm	D2 mm	L mm	T mm	Weight gm
TIL8120			180	175	277	72	38406
TIL8120F	120	4.5/8"	180	175	277	72	38406
TIL8130			193	175	280	80	42006
TIL8130F	130	4.7/8"	193	175	280	80	42006
TIL8135			197	175	280	83	42006
TIL8135F	135	5.1/4"	197	175	280	83	42006
TIL8145			213	175	295	86	54726
TIL8145F	145	5.3/8"	213	175	295	86	54726
TIL8150			218	175	295	90	54726
TIL8150F	150	5.5/8"	218	175	295	90	54726
TIL8155			225	175	297	92	60246
TIL8155F	155	5.3/4"	225	175	297	92	60246
TIL8165			237	175	313	98	67206
TIL8165F	165	6.1/2"	237	175	313	98	67206
TIL8170			243	175	313	100	74406
TIL8170F	170	6.3/4"	243	175	313	100	74406
TIL8175			249	175	313	102	84006
TIL8175F	175	6.7/8"	249	175	313	102	84006
TIL8180			255	175	320	108	84006
TIL8180F	180	7"	255	175	320	108	84006
TIL8195			275	175	328	118	98406
TIL8195F	195	7.5/8"	275	175	328	118	98406
TIL8200			280	175	332	120	106806
TIL8200F	200	8"	280	175	332	120	106806
TIL8215			298	175	346	125	128406
TIL8215F	215	8.1/2"	298	175	346	125	128406
TIL8230			317	175	359	132	139206
TIL8230F	230	9"	317	175	359	132	139206
TIL8235							
TIL8235F							



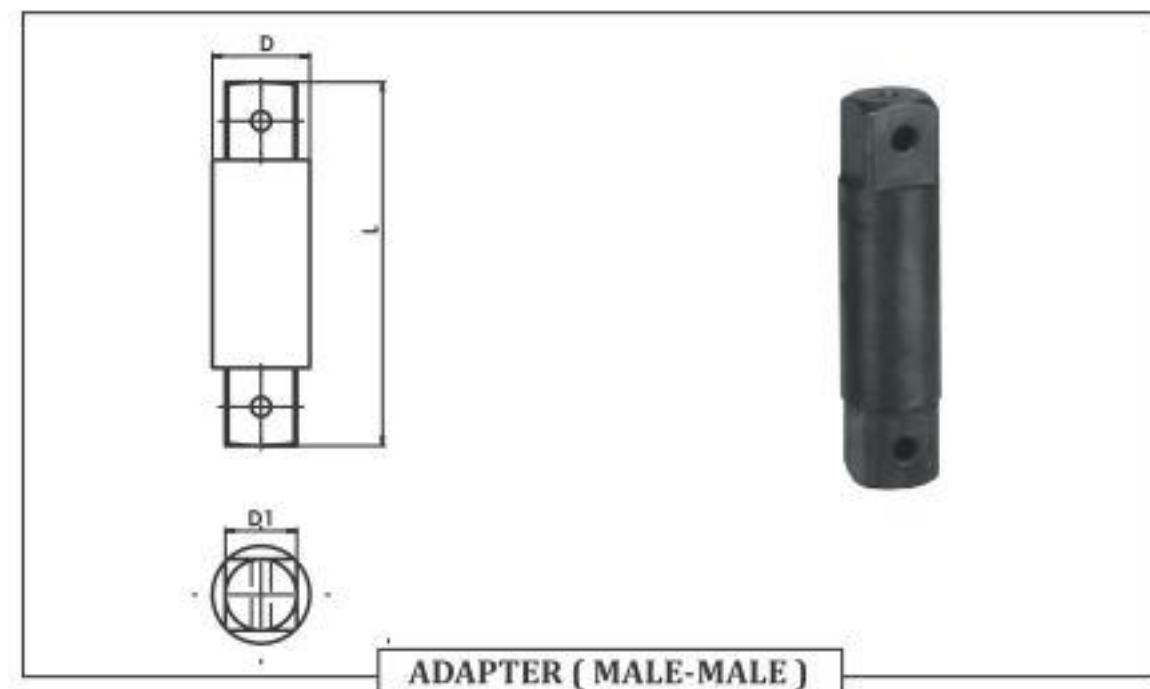
**Note:** All the above sizes are available in 12 point (Bi-Hex) Sockets.  
To order Bi-Hex suffix above part numbers with "BH"

# 3.1/2" SQUARE DRIVE

Heavy Duty Purpose

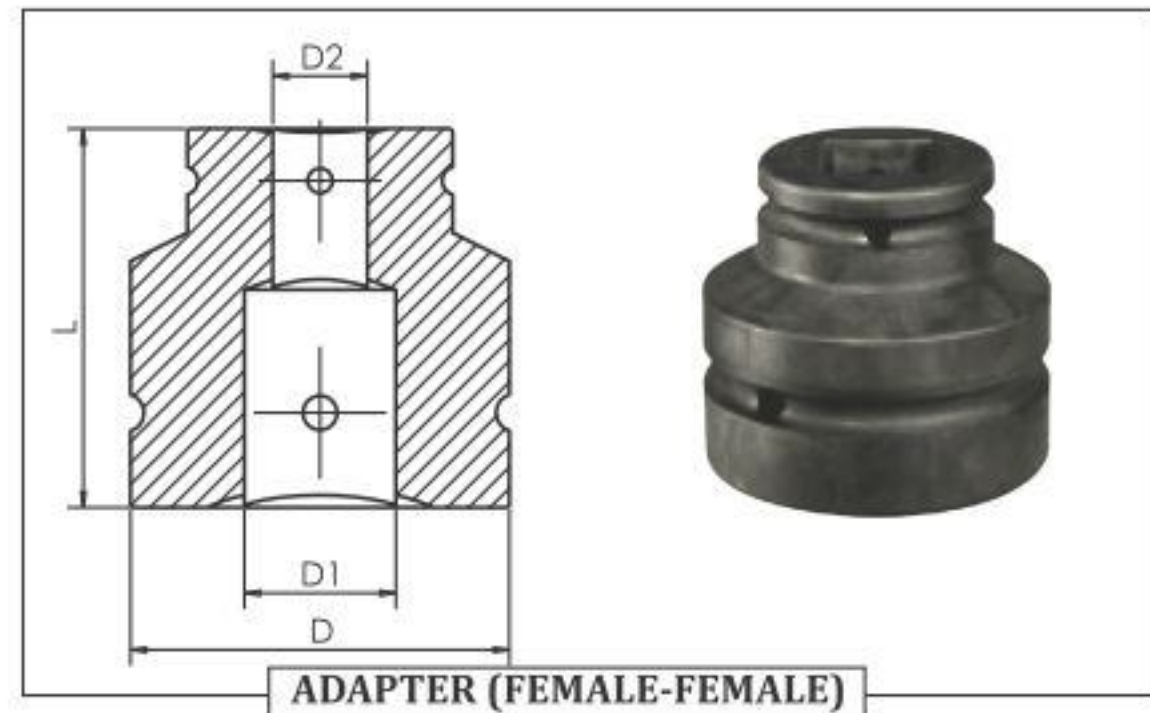
## ADAPTER (MALE-MALE)

Part No.	Type	Male	D mm	L mm	Wt (gm)
TA801		3.1/2"	119	254	23005
TA802	3.1/2"D	3.1/2"	119	508	44005
TA803		3.1/2"	119	1016	88005



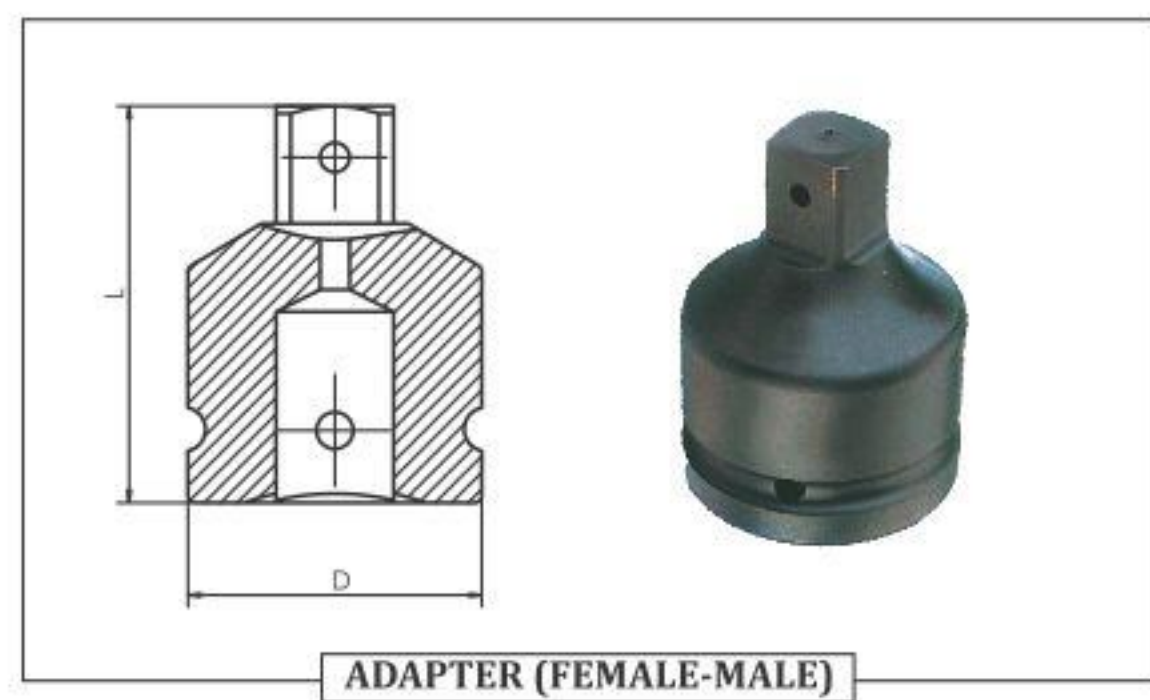
## ADAPTER (FEMALE-FEMALE)

Part No.	Type	D1	D2	D mm	L mm	Wt (gm)
TA804	3.1/2"D	3.1/2"	2.1/2"	175	161	16125
TA805		3.1/2"	3.1/2"	175	167	19425



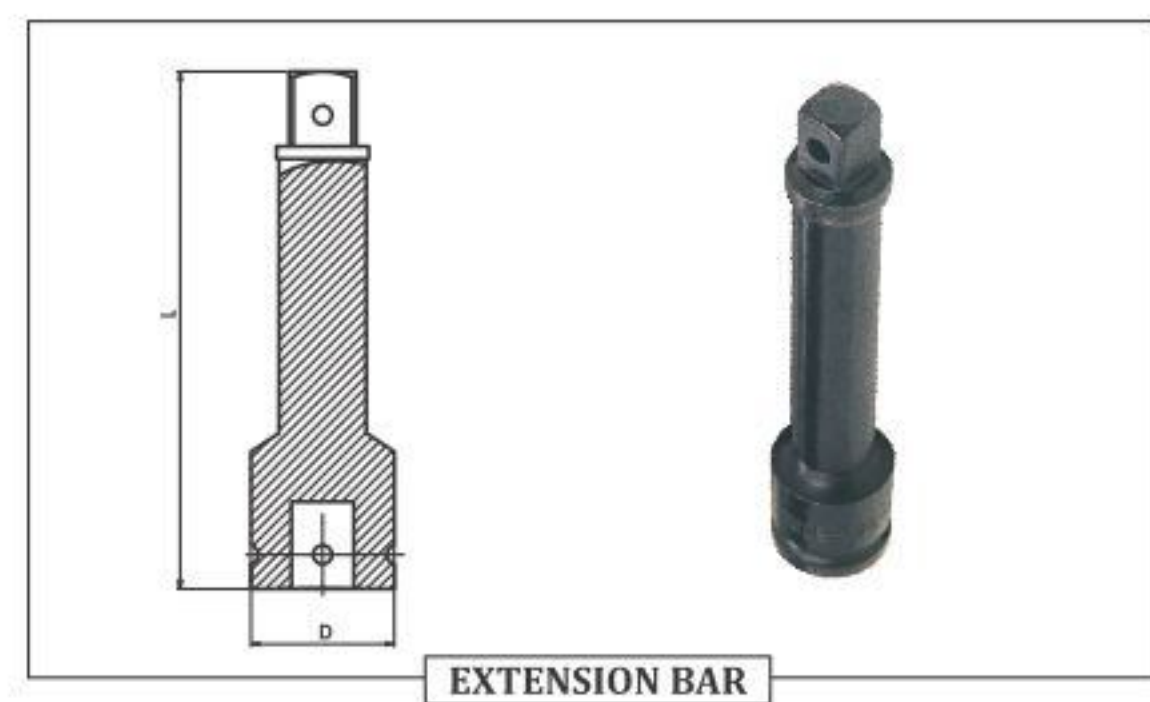
## ADAPTER (FEMALE-MALE)

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TA806	3.1/2"D	3.1/2"	2.1/2"	175	183	15745



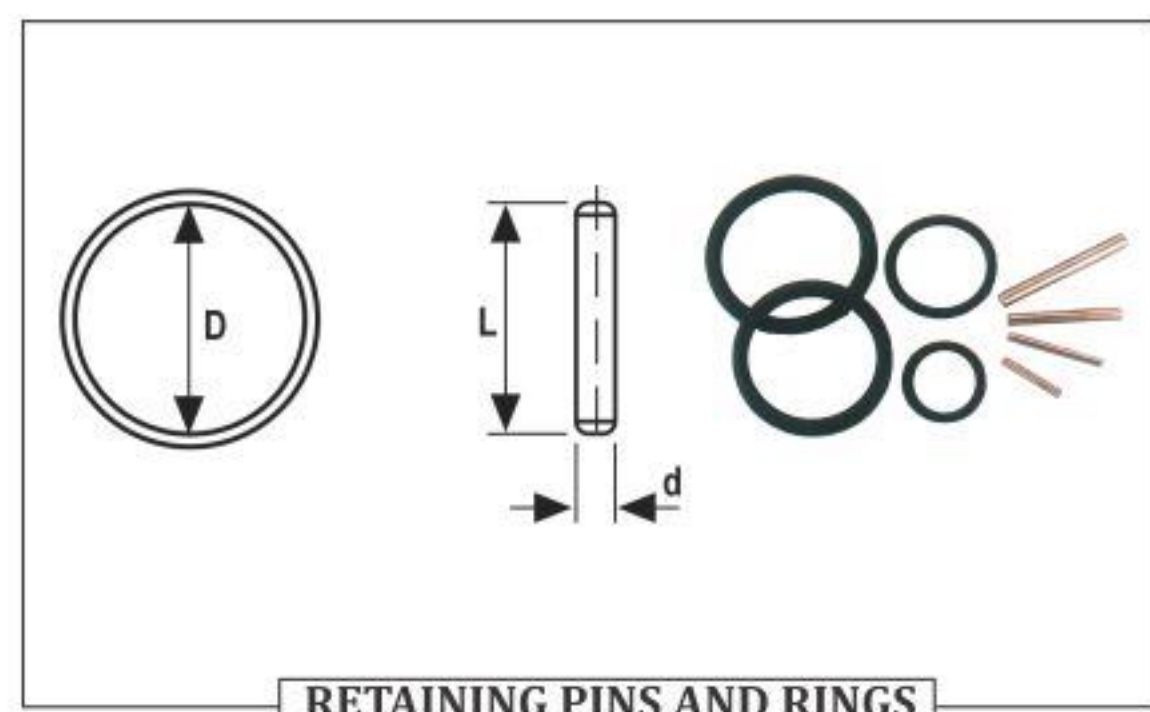
## EXTENSION BAR

Part No.	Type	Female	Male	D mm	L mm	Wt (gm)
TAE807	3.1/2"D	3.1/2"	3.1/2"	175	510	57605
TAE808		3.1/2"	3.1/2"	175	750	79810

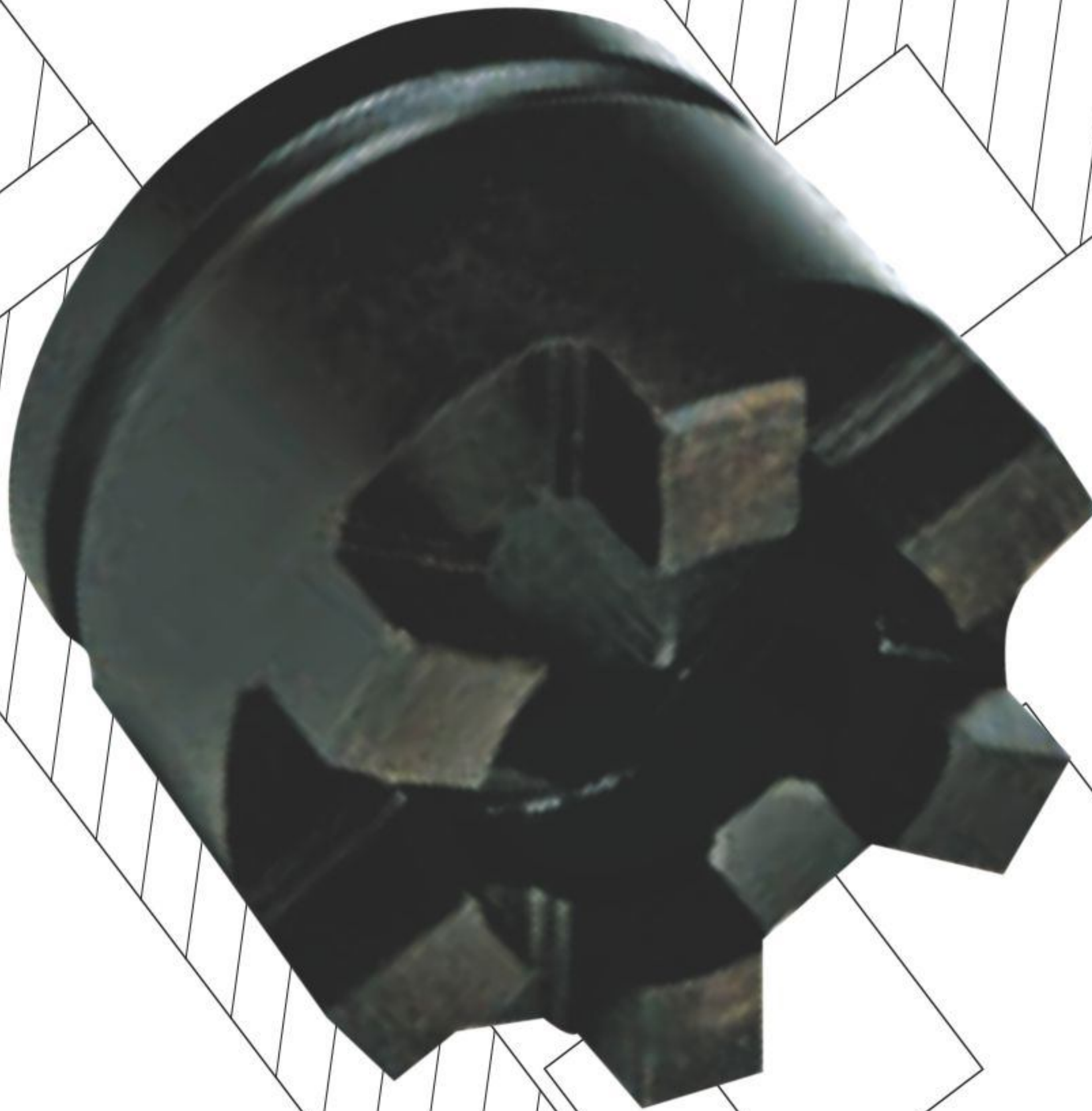


## RETAINING PINS AND RINGS

Part No.	For Sockt	Pin	Ring
Retainig Pin	Square Size	D (mm)	D (mm)
Ring	Dia. of sq end	L (mm)	D (mm)
TAP809	3.1/2"	10	160
TAR810	3.1/2"	160	160



# Turbine Tools



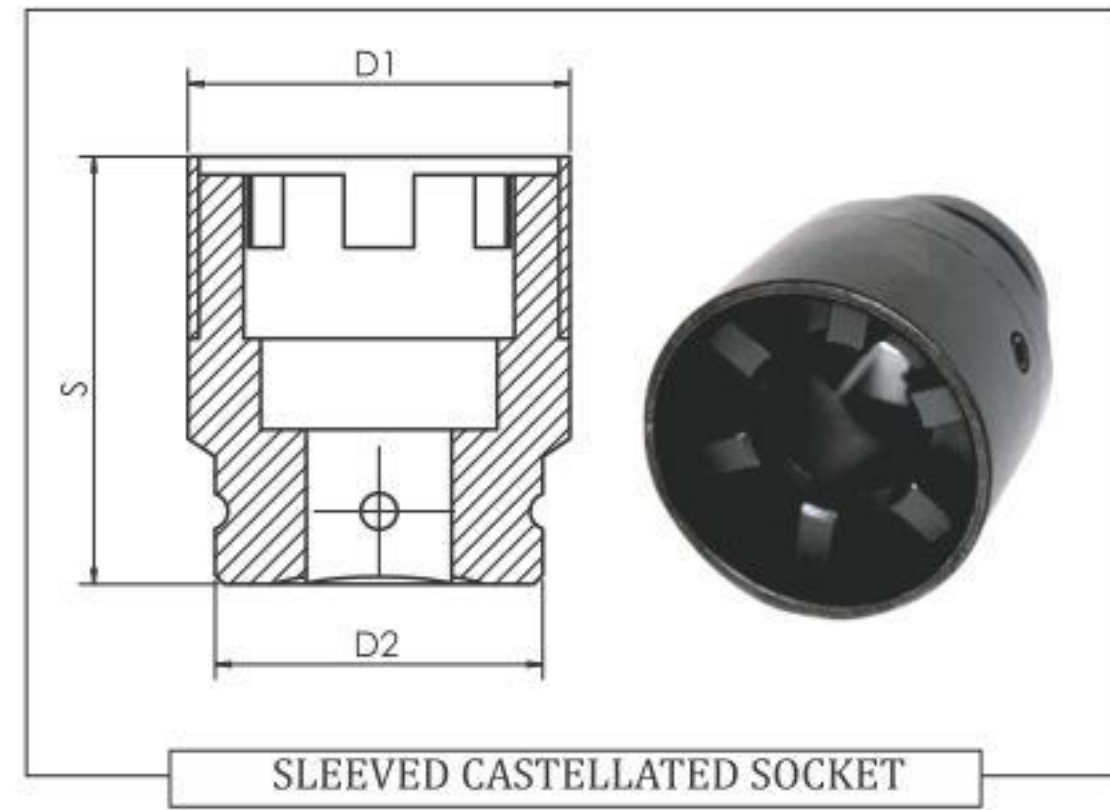
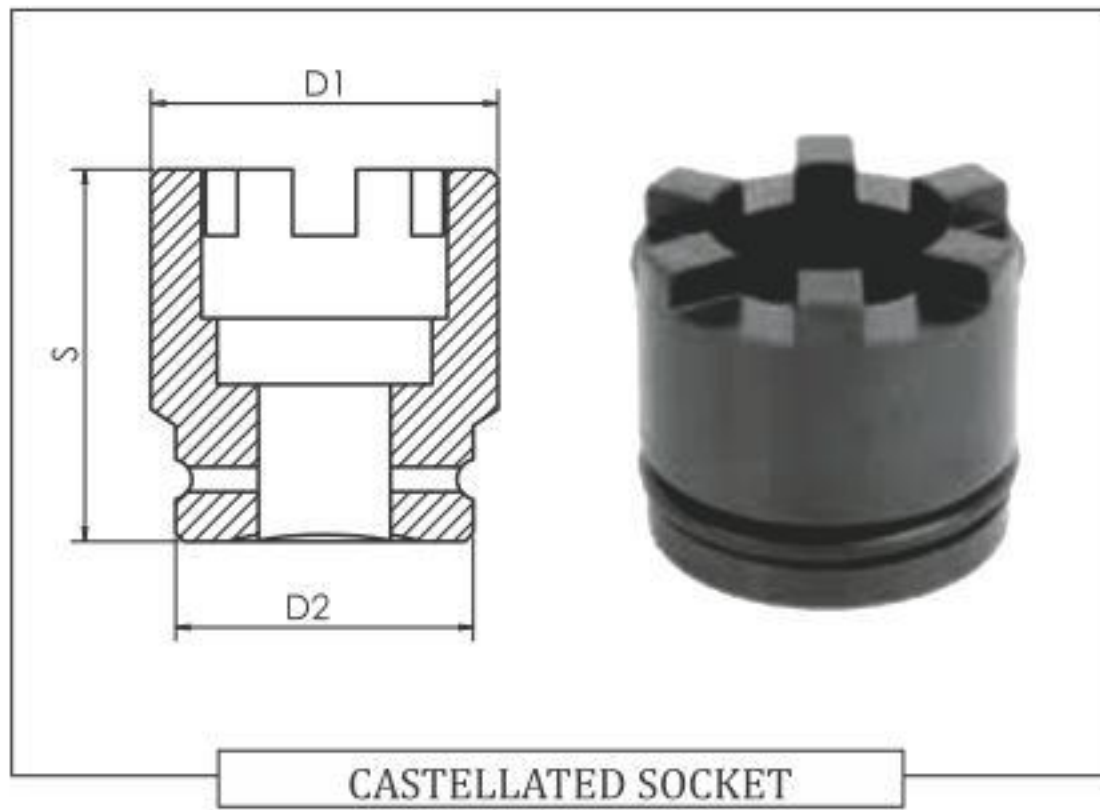
## CASTELLATED SOCKETS/TURBINE TOOLS:

Castellated sockets are special sockets used for GE equipments and turbines & very famous in U.S Market.

The castellated sockets are of different types according to the sizes and the range of its applications

- Castellated socket
- Castellated sockets
- Castellated Sleeved sockets
- Castellated Stack Sockets
- Castellated Slugging Wrench





### 1"SQ DRIVE STANDARD CASTELLATED SOCKET

Part No.	Size Inch	D1*	D2*	S*
TC544F	1.3/4"	3.00"	2.25"	2.25"
TC550F	2"	3.00"	2.25"	2.25"
TC557F	2.1/4"	3.5"	2.25"	2.5"
TC563F	2.1/2"	3.75"	3.0"	2.5"
TC570F	2.3/4"	4.25"	3.0"	2.5"
TC576F	3"	4.5"	3.0"	2.5"

### 1"SQ DRIVE STANDARD CASTELLATED SOCKET - SLEEVED

Part No.	Size Inch	D1*	D2*	S*
TCS544F	1.3/4"	3.00"	2.25"	2.5"
TCS550F	2"	3.25"	2.25"	2.75"
TCS557F	2.1/4"	3.75"	2.25"	3.0"
TCS563F	2.1/2"	4.0"	2.75"	3.0"
TCS570F	2.3/4"	4.5"	3.0"	3.25"
TCS576F	3"	5.0"	3.0"	3.25"

### 1.1/2"SQ DRIVE STANDARD CASTELLATED SOCKET

Part No.	Size Inch	D1*	D2*	S*
TC650F	2"	3.25"	3.25"	2.75"
TC657F	2.1/4"	3.5"	3.25"	2.75"
TC663F	2.1/2"	4.0"	3.25"	2.75"
TC670F	2.3/4"	4.5"	3.25"	3.0"
TC676F	3"	4.5"	3.25"	3.25"
TC689F	3.1/2"	5.25"	3.25"	3.25"
TC6102F	4"	6.0"	3.75"	3.5"
TC6114F	4.1/2"	7.0"	4.75"	3.75"
TC6127F	5"	7.50"	4.75"	3.75"
TC6140F	5.1/2"	8.50"	4.75"	4.0"
TC6152F	6"	9.0"	5.0"	4.0"

### 1.1/2" SQ DRIVE STANDARD CASTELLATED SOCKET - SLEEVED

Part No.	Size Inch	D1*	D2*	S*
TCS650F	2"	3.25"	3.25"	3.0"
TCS657F	2.1/4"	3.5"	3.25"	3.0"
TCS663F	2.1/2"	4.0"	3.25"	3.25"
TCS670F	2.3/4"	4.5"	3.25"	3.5"
TCS676F	3"	4.75"	3.25"	3.5"
TCS689F	3.1/2"	5.25"	3.25"	3.25"
TCS6102F	4"	6.25"	3.75"	4.25"
TCS6114F	4.1/2"	7.0"	4.75"	4.5"
TCS6127F	5"	7.75"	4.75"	4.5"
TCS6140F	5.1/2"	8.50"	4.75"	5.0"
TCS6152F	6"	9.25"	4.75"	5.0"

### 2.1/2"SQ DRIVE STANDARD CASTELLATED SOCKET

Part No.	Size Inch	D1*	D2*	S*
TC757F	2.1/4"	3.5"	5.0"	3.75"
TC763F	2.1/2"	4.0"	5.0"	3.75"
TC770F	2.3/4"	4.25"	5.0"	3.75"
TC776F	3"	4.5"	5.0"	3.75"
TC789F	3.1/2"	5.25"	5.0"	4.25"
TC7102F	4"	6.0"	5.0"	4.25"
TC7114F	4.1/2"	7.0"	5.0"	4.75"
TC7127F	5"	7.50"	5.0"	4.75"
TC7140F	5.1/2"	8.25"	5.0"	4.75"
TC7152F	6"	9.0"	5.0"	4.75"
TC7178F	7"	9.75"	5.0"	4.75"

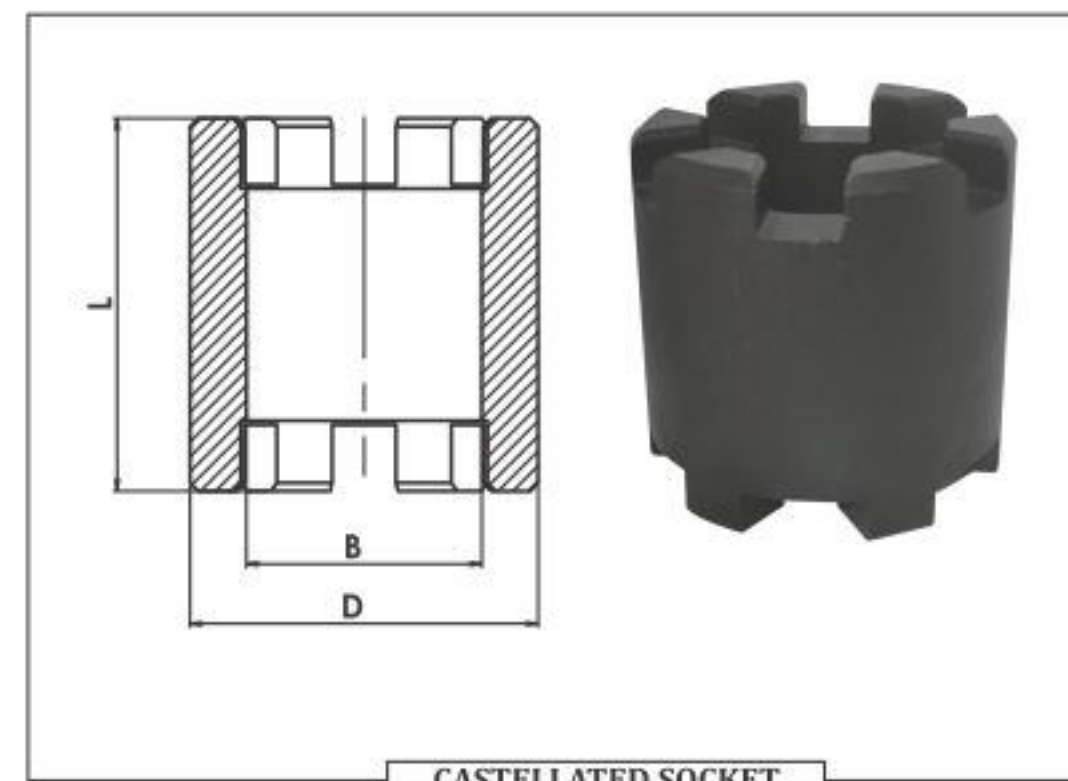
### 2.1/2" SQ DRIVE STANDARD CASTELLATED SOCKET - SLEEVED

Part No.	Size Inch	D1*	D2*	S*
TCS757F	2.1/4"	3.5"	5.0"	4.25"
TCS763F	2.1/2"	4.0"	5.0"	4.25"
TCS770F	2.3/4"	4.5"	5.0"	4.5"
TCS776F	3"	5.0"	5.0"	4.5"
TCS789F	3.1/2"	5.5"	5.0"	5.25"
TCS7102F	4"	6.5"	5.0"	5.25"
TCS7114F	4.1/2"	7.0"	5.0"	5.75"
TCS7127F	5"	8.0"	5.0"	5.75"
TCS7140F	5.1/2"	8.75"	5.0"	6.0"
TCS7152F	6"	9.5"	5.0"	6.0"
TCS7178F	7"	6.0"	5.0"	6.0"

## CASTELLATED STACK SOCKETS

PART No.	GE MODEL	Size Inch	B Inch	D1 Inch	L Inch
TCSS44	141B8880P0016	1.3/4	1.5/8	2.3/4	2.5/8
TCSS50	141B8880P0017	2	1.7/8	3.1/8	2.7/8
TCSS57	141B8880P0001	2.1/4	2.1/8	3.1/2	3.5/8
TCSS63	141B8880P0002	2.1/2	2.3/8	3.7/8	3.7/8
TCSS63-18	141B8880P0011	2.1/2	2.3/8	3.7/8	18
TCSS63-24	141B8880P0012	2.1/2	2.3/8	3.7/8	24
TCSS70	141B8880P0003	2.3/4	2.5/8	4.1/4	4.3/8
TCSS76*	141B8880P0004	3	1.7/8	4.5/8	4.3/8
TCSS89	141B8880P0020	3.1/2	3.3/8	5.3/8	5.3/8
TCSS89*	141B8880P0025	3.1/2	1.7/8	5.3/8	5.3/8
TCSS95*	141B8880P0013	3.3/4	1.13/16	5.3/4	5.5/8
TCSS101	141B8880P0019	4	3.7/8	6.1/8	5.7/8
TCSS101*	141B8880P0006	4	1.7/8	6.1/8	5.7/8
TCSS101-24	141B8880P0018	4	3.7/8	6.1/8	23.5/8
TCSS101-24*	141B8880P0014	4	1.7/8	6.1/8	23.5/8
TCSS114	141B8880P0007	4.1/2	4.3/8	6.7/8	6.5/8
TCSS127*	141B8880P0008	5	2.1/8	7.5/8	7.1/8
TCSS140*	141B8880P0009	5.1/2	3.5/8	8.3/8	8.1/8
TCSS152*	141B8880P0010	6	3.7/8	9.1/4	8.5/8

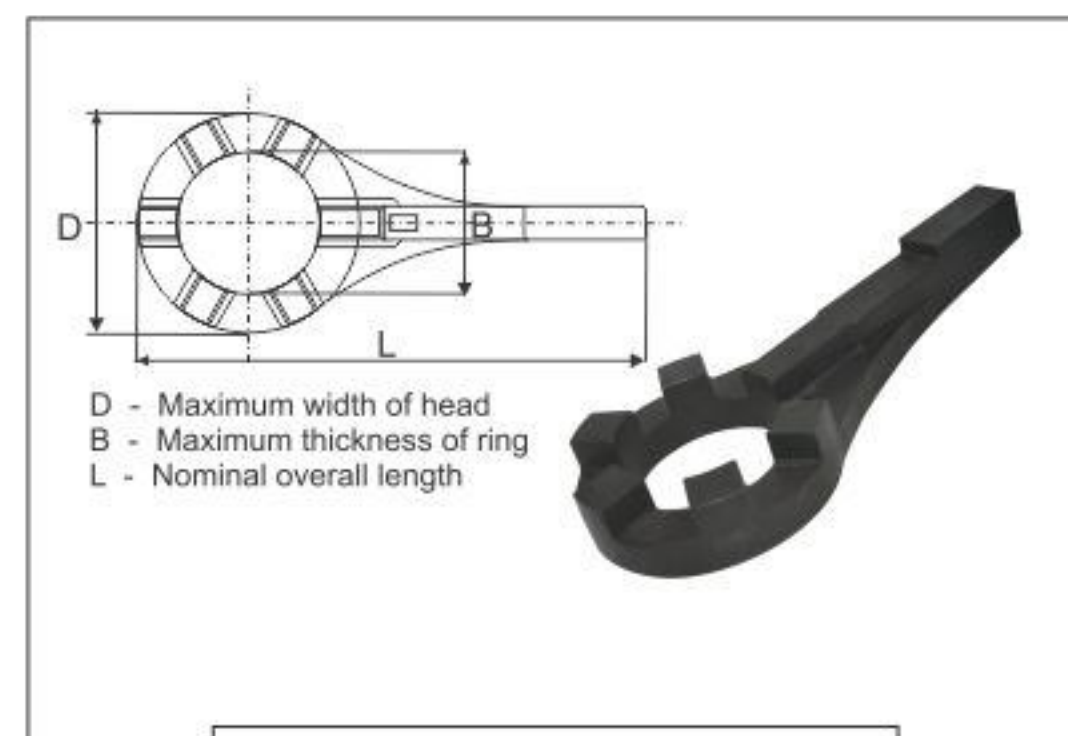
**Note :** \* threaded fastening holes are included in the models



CASTELLATED SOCKET

## CASTELLATED SLUGGING WRENCHES

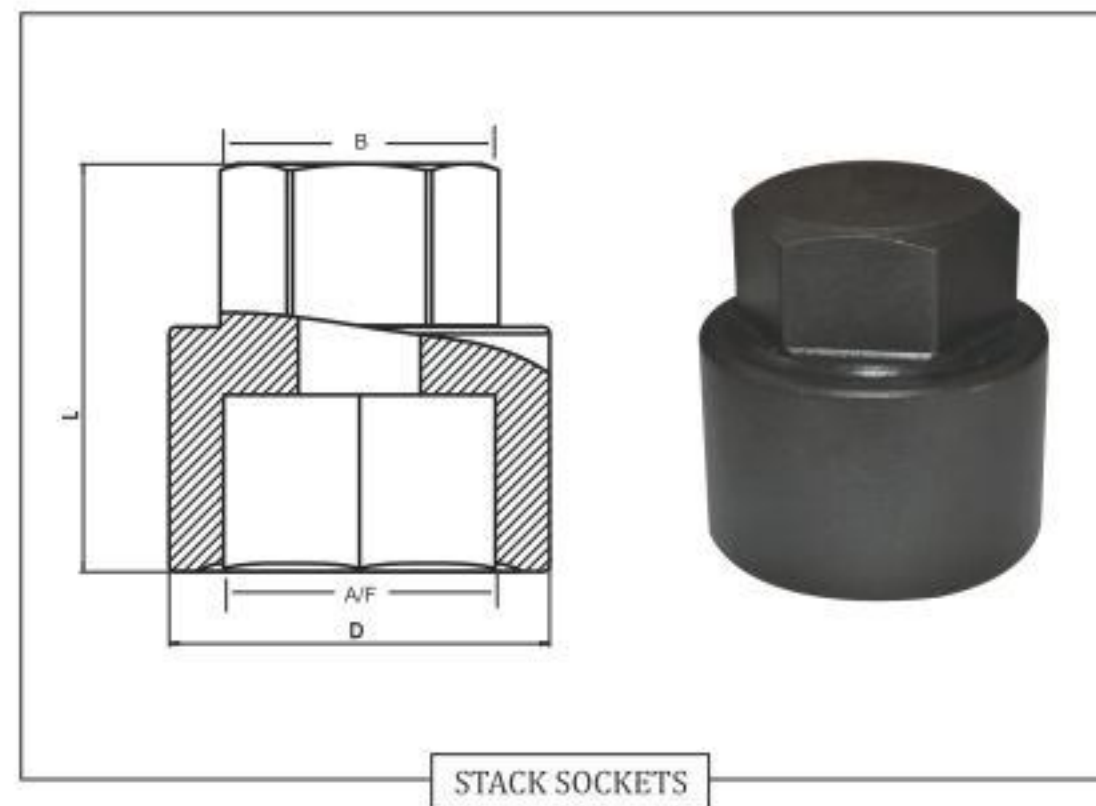
PART No.	GE MODEL	Size Inch	B Inch	D Inch	L Inch
TCSW44	141B8881P0012	1.3/4	1.5/8	2.3/4	8.13/16
TCSW50	141B8881P0013	2	1.7/8	3.1/8	10.1/2
TCSW57	141B8881P0009	2.1/4	2.1/8	3.1/2	10.1/8
TCSW63	141B8881P0010	2.1/2	2.3/8	3.7/8	10.1/4
TCSW70	141B8881P0001	2.3/4	2.5/8	4.1/4	11.1/8
TCSW76	141B8881P0002	3	2.7/8	4.5/8	12.5/16
TCSW89	141B8881P0001	3.1/2	3.3/8	5.3/8	13.7/8
TCSW95	141B8881P0011	3.3/4	3.13/16	5.3/4	14.3/8
TCSW101	141B8881P0004	4	3.7/8	6.1/8	15.1/16
TCSW114	141B8881P0005	4.1/2	4.3/8	6.7/8	16.7/16
TCSW127	141B8881P0006	5	4.7/8	7.5/8	18.1/18
TCSW140	141B8881P0007	5.1/2	5.3/8	8.3/8	19.3/16
TCSW152	141B8881P0008	6	5.7/8	9.1/4	20.5/8



D - Maximum width of head  
B - Maximum thickness of ring  
L - Nominal overall length

CASTELLATED SLUGGING WRENCHES

Turbine Tools



STACK SOCKETS

## FRACTIONAL BIHEXAGON

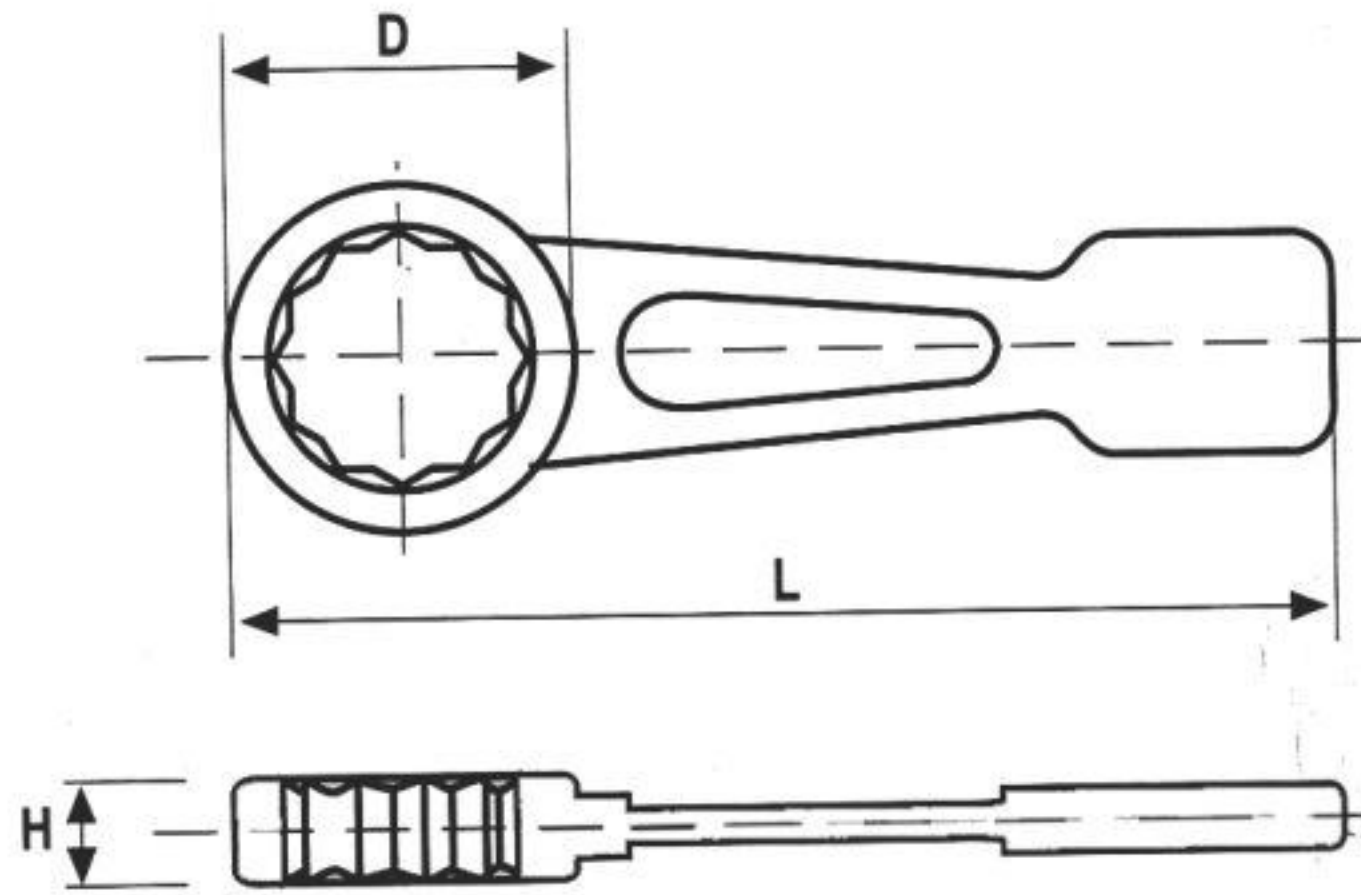
PART No.	A/F Inch	T Inch	B Inch	D Inch	L Inch
TSS19	3/4	0.5	0.43	1.35	1.5
TSS20	13/16	0.5	0.5	1.45	1.5
TSS22	7/8	0.5	0.6	1.5	1.5
TSS24	15/16	0.591	0.629	1.535	1.61
TSS25	1	0.591	0.629	1.535	1.61
TSS27	1.1/16	0.63	0.787	1.693	1.69
TSS28	1.1/8	0.669	0.864	1.85	1.81
TSS30	1.3/16	0.669	0.864	1.85	1.81
TSS31	1.1/4	0.709	0.995	1.929	1.93
TSS33	1.5/16	0.748	0.945	2.047	2.01
TSS35	1.3/8	0.787	1	2.126	2.09
TSS36	1.7/16	0.787	1	2.126	2.09
TSS38	1.1/2	0.827	1.102	2.244	2.17
TSS40	1.9/16	0.827	1.102	2.244	2.17
TSS41	1.5/8	0.906	1.181	2.402	2.4
TSS43	1.11/16	984	1.181	2.522	2.64
TSS44	1.3/4	0.984	1.181	2.522	2.64
TSS46	1.13/16	0.984	1.299	2.638	2.64
TSS47	1.7/8	1.065	1.299	2.75	2.91
TSS49	1.15/16	1.065	1.299	2.75	2.91
TSS51	2	1.063	1.417	2.913	2.91
TSS52	2.1/16	1.142	1.417	3	3.15
TSS54	2.1/8	1.142	1.417	3	3.15
TSS55	2.3/16	1.142	1.496	3.15	3.15
TSS57	2.1/4	1.142	1.496	3.15	3.15
TSS58	2.5/16	1.142	1.496	3.15	3.15
TSS60	2.3/8	1.26	1.6	3.485	3.39
TSS62	2.7/16	1.26	1.6	3.485	3.39
TSS63	2.1/2	1.26	1.6	3.485	3.39
TSS65	2.9/16	1.339	1.77	3.622	3.66
TSS67	2.5/8	1.339	1.7	3.72	3.66
TSS68	2.11/16	1.339	1.89	3.72	3.66
TSS70	2.3/4	1.378	1.95	3.898	3.9
TSS72	2.13/16	1.378	1.95	3.998	3.9
TSS73	2.7/8	1.378	2	3.998	3.9
TSS75	2.15/16	1.535	2.1	4.134	4.06
TSS76	3	1.535	2.1	4.235	4.06
TSS78	3.1/16	1.535	2.1	4.235	4.06
TSS79	3.1/8	1.575	2.15	4.37	4.25
TSS81	3.3/16	1.575	2.15	4.37	4.25
TSS83	3.1/4	1.575	2.15	4.37	4.25
TSS84	3.5/16	1.654	2.45	4.72	4.41
TSS86	3.3/8	1.654	2.45	4.72	4.41
TSS87	3.7/16	1.654	2.45	4.72	4.41
TSS89	3.1/2	1.654	2.45	4.921	4.69
TSS90	3.9/16	1.772	2.45	4.95	4.921
TSS92	3.5/8	1.772	2.45	4.95	4.921
TSS94	3.11/16	1.89	2.7	5.157	4.92

## FRACTIONAL BIHEXAGON(cont.)

PART No.	A/F Inch	T Inch	B Inch	D Inch	L Inch
TSS100	3.15/16	1.969	2.7	5.394	5.12
TSS102	4.0	1.969	2.7	5.394	5.12
TSS103	4.1/16	2.008	2.9	5.63	5.28
TSS105	4.1/8	2.008	2.9	5.63	5.28
TSS106	4.3/16	2.008	2.9	5.63	5.28
TSS108	4.1/4	2.087	3	6.906	5.55
TSS109	4.5/16	2.087	3	6.906	5.55
TSS111	4.3/8	2.087	3	6.906	5.55
TSS113	4.7/16	2.16	3	6.142	5.79
TSS114	4.1/2	2.16	3	6.142	5.79
TSS116	4.9/16	2.16	3	6.142	5.79
TSS118	4.5/8	2.224	3.196	6.378	6.06
TSS119	4.11/16	2.224	3.196	6.378	6.06
TSS120	4.3/4	2.224	3.196	6.378	6.06
TSS122	4.13/16	2.362	3.446	6.75	6.34
TSS124	4.7/8	2.362	3.446	6.75	6.34
TSS125	4.15/16	2.362	3.446	6.75	6.34
TSS127	5	2.362	3.446	6.82	6.34
TSS128	5.1/16	2.362	3.446	6.82	6.34
TSS130	5.1/8	2.362	3.446	6.82	6.34
TSS132	5.3/16	2.48	3.62	7.13	6.61
TSS133	5.1/4	2.52	3.725	7.13	6.61
TSS135	5.5/16	2.52	3.735	7.25	6.61
TSS136	5.3/8	2.52	3.735	7.25	6.61
TSS138	5.7/16	2.52	3.735	7.25	6.61
TSS139	5.1/2	2.52	3.735	7.25	6.61
TSS141	5.9/16	2.667	3.885	7.64	6.89
TSS143	5.5/8	2.667	3.885	7.64	6.89
TSS144	5.11/16	2.667	3.885	7.64	6.89
TSS147	5.3/4	2.677	3.985	7.78	6.89
TSS148	5.13/16	2.677	3.985	7.78	6.89
TSS149	5.7/8	2.677	4	7.78	6.89
TSS151	5.15/16	2.677	4	7.78	6.89
TSS152	6	2.75	4	8	7
TSS154	6.1/16	2.75	4.25	8	7
TSS155	6.1/8	2.75	4	8	7
TSS157	6.3/16	2.75	4	8	7
TSS159	6.1/4	2.75	4	8	7
TSS160	6.5/16	2.9	4.5	8.5	7.25
TSS162	6.3/8	2.9	4.5	8.5	7.25
TSS163	6.7/16	2.9	4.5	8.5	7.25
TSS165	6.1/2	2.9	4.5	8.5	7.25
TSS167	6.9/16	3	4.75	8.8	7.5
TSS168	6.5/8	3	4.75	8.8	7.5
TSS170	6.11/16	3	4.75	8.8	7.5
TSS171	6.3/4	3.1	4.75	9	7.8
TSS173	6.13/16	3.1	5	9	7.8
TSS175	6.7/8	3.1	5	9	7.8
TSS177	7	3.2	5	9.35	8
TSS181	7.1/8	3.3	5	9.35	8.2

# Slugging Wrenches





### STRAIGHT RING TYPE WRENCH SIZE (A/F)

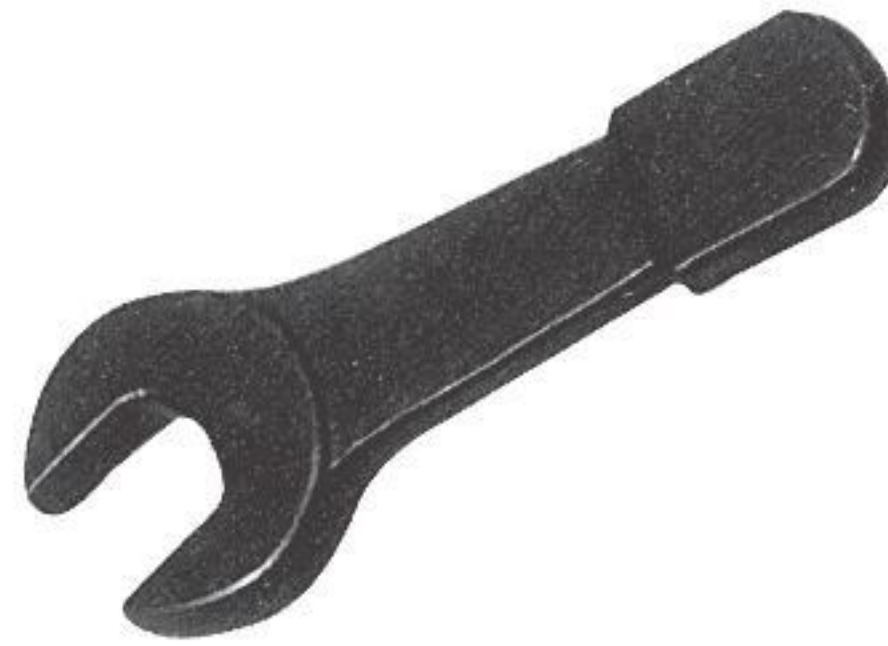
METRIC SIZE		SAE SIZE				
Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TTSM-19	19	TTS-25	3/4"	54	18	175
TTSM-22	22	TTS-28	7/8"	54	18	175
TTSM-24	24	TTS-29	15/16"	54	18	175
TTSM-27	27	TTS-31	1.1/16"	54	18	175
TTSM-29	29	TTS-32	1.1/8"	54	18	175
TTSM-30	30	TTS-33	1.3/16"	68	22	210
TTSM-32	32	TTS-34	1.1/4"	68	22	210
TTSM-33	33	TTS-35	1.5/16"	68	22	210
TTSM-35	35	TTS-36	1.3/8"	68	22	210
TTSM-36	36	TTS-37	1.7/16"	68	22	210
TTSM-38	38	TTS-38	1.1/2"	68	22	210
TTSM-41	41	TTS-39	1.5/8"	80	28	245
TTSM-43	43	TTS-40	1.11/16"	80	28	245
TTSM-44	44	TTS-41	1.3/4"	80	28	245
TTSM-46	46	TTS-42	1.13/16"	80	28	245
TTSM-47	47	TTS-43	1.7/8"	80	28	245
TTSM-50	50	TTS-45	2"	80	28	245
TTSM-52	52	TTS-46	2.1/16"	102	35	285
TTSM-55	55	TTS-47	2.3/16"	102	35	285
TTSM-57	57	TTS-48	2.1/4"	102	35	285
TTSM-60	60	TTS-50	2.3/8"	102	35	285
TTSM-62	62	TTS-51	2.7/16"	102	35	285
TTSM-63	63	TTS-52	2.1/2"	102	35	285
TTSM-65	65	TTS-53	2.9/16"	102	35	285
TTSM-67	67	TTS-54	2.5/8"	122	40	322
TTSM-70	70	TTS-56	2.3/4"	122	40	322
TTSM-71	71	TTS-57	2.13/16"	122	40	322
TTSM-75	75	TTS-59	2.15/16"	122	40	322
TTSM-76	76	TTS-60	3"	122	40	322
TTSM-80	80	TTS-61	3.1/8"	122	40	322
TTSM-85	85	TTS-63	3.1/8"	130	40	340
TTSM-90	90	TTS-64	3.5/8"	136	45	350
TTSM-95	95	TTS-65	3.3/4"	140	45	375

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
-	-	TTS-66	3.7/8"	158	50	415
TTSM-100	100	TTS-67	4"	158	50	415
TTSM-105	105	TTS-68	4.1/8"	164	50	450
TTSM-110	110	TTS-69	4.1/4"	170	55	450
TTSM-115	115	TTS-70	4.1/2"	175	55	465
TTSM-120	120	TTS-72	4.3/4"	190	60	490
TTSM-125	125	TTS-73	4.7/8"	200	60	510
TTSM-130	130	TTS-74	5"	210	65	515
TTSM-135	135	TTS-75	5.3/8"	222	65	540
TTSM-140	140	TTS-76	5.1/2"	230	70	550

Specially Designed for most rugged industrial application. Straight handle design resists springing while allowing the fastener to turn easier.

### Wrench Size (A/F)

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TTSM-145	145	TTS-78	5.3/4"	230	70	565
TTSM-150	150	TTS-80	6"	230	70	565
TTSM-155	155	TTS-81	6.1/8"	230	70	565
TTSM-160	160	TTS-82	6.1/4"	270	70	635
TTSM-165	165	TTS-84	6.1/2"	270	70	635
TTSM-170	170	TTS-86	6.3/4"	270	70	635
TTSM-175	175	TTS-87	6.7/8"	270	70	635
TTSM-180	180	TTS-89	7.1/8"	270	70	635
TTSM-185	185	TTS-90	7.1/4"	295	75	680
TTSM-190	190	TTS-92	7.1/2"	295	75	680
TTSM-195	195	TTS-93	7.5/8"	295	75	680
TTSM-200	200	TTS-95	7.7/8"	295	75	680
TTSM-205	205	TTS-97	8.1/8"	295	75	680
TTSM-210	210	TTS-98	8.1/4"	325	80	725
TTSM-215	215	TTS-100	8.1/2"	325	80	725
TTSM-220	220	TTS-101	8.5/8"	325	80	725
TTSM-225	225	TTS-103	8.7/8"	325	80	725
TTSM-230	230	TTS-105	9.1/8"	325	80	725



### OFFSET HANDLE RING TYPE SLUGGING WRENCH

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TTOM-19	19	TTOS-25	3/4"	56	22	250
TTOM-22	22	TTOS-28	7/8"	56	22	250
TTOM-24	24	TTOS-29	15/16"	56	24	265
TTOM-27	27	TTOS-31	1.1/16"	56	24	265
TTOM-30	30	TTOS-33	1.3/16"	56	24	265
TTOM-32	32	TTOS-34	1.1/4"	58	25	270
TTOM-33	33	TTOS-35	1.5/16"	59	25	270
TTOM-35	35	TTOS-36	1.3/8"	62	32	310
TTOM-36	36	TTOS-37	1.7/16"	64	28	290
TTOM-38	38	TTOS-38	1.1/2"	66	28	290
TTOM-41	41	TTOS-39	1.5/8"	68	28	290
TTOM-43	43	TTOS-40	1.1/16"	68	28	290
TTOM-44	44	TTOS-41	1.3/4"	68	28	290
TTOM-46	46	TTOS-42	1.13/16"	76	32	340
TTOM-47	47	TTOS-43	1.7/8"	76	35	340
TTOM-50	50	TTOS-45	2"	82	36	340
TTOM-52	52	TTOS-46	2.1/16"	85	38	360
TTOM-55	55	TTOS-47	2.3/16"	90	38	360
TTOM-57	57	TTOS-48	2.1/4"	90	38	360
TTOM-60	60	TTOS-50	2.3/8"	96	41	380
TTOM-62	62	TTOS-51	2.7/16"	100	44	380
TTOM-63	63	TTOS-52	2.1/2"	102	44	380
TTOM-65	65	TTOS-53	2.9/16"	105	45	380
TTOM-67	67	TTOS-54	2.5/8"	108	44	380
TTOM-70	70	TTOS-56	2.3/4"	112	48	400
TTOM-71	71	TTOS-57	2.13/16"	112	50	400
TTOM-75	75	TTOS-59	2.15/16"	120	55	400
TTOM-76	76	TTOS-60	3"	122	50	400
TTOM-80	80	TTOS-61	3.1/8"	126	60	435
TTOM-85	85	TTOS-63	3.3/8"	132	60	435
TTOM-90	90	TTOS-64	3.5/8"	142	60	440
TTOM-95	95	TTOS-65	3.3/4"	150	60	465
TTOM-98	98	TTOS-66	3.7/8"	158	60	465
TTOM-100	100	TTOS-67	4"	164	60	465
TTOM-105	105	TTOS-68	4.1/8"	172	65	540
TTOM-110	110	TTOS-69	4.1/4"	180	65	540
TTOM-115	115	TTOS-70	4.1/2"	186	65	540
TTOM-120	120	TTOS-72	4.3/4"	194	70	540

### OPEN JAW TYPE SLUGGING WRENCH

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TTDM-19	19	TTDS-25	3/4"	54	18	190
TTDM-22	22	TTDS-28	7/8"	54	18	190
TTDM-24	24	TTDS-29	15/16"	54	18	190
TTDM-27	27	TTDS-31	1.1/16"	54	18	190
TTDM-29	29	TTDS-32	1.1/8"	54	18	190
TTDM-30	30	TTDS-33	1.3/16"	54	18	190
TTDM-32	32	TTDS-34	1.1/4"	80	18	210
TTDM-33	33	TTDS-35	1.5/16"	80	18	210
TTDM-35	35	TTDS-36	1.3/8"	80	18	210
TTDM-36	36	TTDS-37	1.7/16"	80	18	210
TTDM-38	38	TTDS-38	1.1/2"	80	18	210
TTDM-41	41	TTDS-39	1.5/8"	110	22	275
TTDM-43	43	TTDS-40	1.11/16"	110	22	275
TTDM-44	44	TTDS-41	1.3/4"	110	22	275
TTDM-46	46	TTDS-42	1.13/16"	110	22	275
TTDM-47	47	TTDS-43	1.7/8"	110	22	275
TTDM-50	50	TTDS-45	2"	110	22	275
TTDM-52	52	TTDS-46	2.1/16"	135	25	325
TTDM-55	55	TTDS-47	2.3/16"	135	25	325
TTDM-57	57	TTDS-48	2.1/4"	135	25	325
TTDM-60	60	TTDS-50	2.3/8"	135	25	325
TTDM-62	62	TTDS-51	2.7/16"	150	32	362
TTDM-63	63	TTDS-52	2.1/2"	150	32	362
TTDM-65	65	TTDS-53	2.9/16"	150	32	362
TTDM-67	67	TTDS-54	2.5/8"	150	32	362
TTDM-70	70	TTDS-56	2.3/4"	150	32	362
TTDM-71	71	TTDS-57	2.13/16"	172	36	405
TTDM-75	75	TTDS-59	2.15/16"	172	36	405
TTDM-76	76	TTDS-60	3"	172	36	405
TTDM-80	80	TTDS-61	3.1/8"	172	36	405
TTDM-85	85	TTDS-63	3.3/8"	180	38	430
TTDM-90	90	TTDS-64	3.5/8"	195	40	455
TTDM-95	95	TTDS-65	3.3/4"	195	40	455
TTDM-98	98	TTDS-66	3.7/8"	206	40	455
TTDM-100	100	TTDS-67	4"	210	47	500
TTDM-105	105	TTDS-68	4.1/8"	220	47	500
TTDM-110	110	TTDS-69	4.1/4"	226	47	500
TTDM-115	115	TTDS-70	4.1/2"	238	56	550

**Note:** Offset handle designed close to head to provide clearance in confined areas. A complete range of offset striking wrenches up to Confirmed provides the most extensive line on the market.

Slugging Wrenches

## TAPERED HANDLE OFFSET RING TYPE Wrench Size (A/F)

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TSOSM-21	21	TSOS-27	13/16"	36	16	370
TSOSM-23	23	TSOS-28	7/8"	38	16	370
TSOSM-24	24	TSOS-29	15/16"	38	16	370
TSOSM-26	26	TSOS-30	1"	42	18	400
TSOSM-27	27	TSOS-31	1.1/16"	42	18	400
TSOSM-28	28	TSOS-32	1.1/8"	42	21	415
TSOSM-32	32	TSOS-34	1.1/4"	49	21	435
TSOSM-34	34	TSOS-35	1.5/16"	49	24	485
TSOSM-36	36	TSOS-37	1.7/16"	58	24	485
TSOSM-38	38	TSOS-38	1.1/2"	58	26	515
TSOSM-41	41	TSOS-39	1.5/8"	62	29	540
TSOSM-43	43	TSOS-40	1.11/16"	62	29	540
TSOSM-46	46	TSOS-42	1.13/16"	69	31	565
TSOSM-48	48	TSOS-43	1.7/8"	69	31	590
TSOSM-50	50	TSOS-45	2"	76	34	590
TSOSM-55	55	TSOS-47	2.3/16"	82	37	660
TSOSM-60	60	TSOS-50	2.3/8"	90	40	680
TSOSM-65	65	TSOS-54	2.9/16"	98	38	740



## TAPERED HANDLE STRAIGHT RING TYPE Wrench Size (A/F)

Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TSSM-27	27	TSS-31	1.1/16"	42	18	400
TSSM-28	28	TSS-32	1.1/8"	42	21	415
TSSM-30	30	TSS-33	1.3/16"	45	22	415
TSSM-32	32	TSS-34	1.1/4"	49	22	435
TSSM-34	34	TSS-35	1.5/16"	49	24	485
TSSM-36	36	TSS-37	1.7/16"	58	24	485
TSSM-38	38	TSS-38	1.1/2"	58	26	515
TSSM-41	41	TSS-39	1.5/8"	62	29	540
TSSM-43	43	TSS-40	1.11/16"	62	29	565
TSSM-46	46	TSS-42	1.13/16"	69	32	590
TSSM-48	48	TSS-43	1.7/8"	69	32	590
TSSM-50	50	TSS-45	2"	76	34	625
TSSM-52	52	TSS-46	2.1/16"	76	37	660
TSSM-55	55	TSS-47	2.3/16"	82	37	660
TSSM-57	57	TSS-48	2.1/4"	82	38	680
TSSM-60	60	TSS-50	2.3/8"	90	38	680
TSSM-62	62	TSS-51	2.7/16"	90	38	740
TSSM-65	65	TSS-54	2.9/16"	98	38	740
TSSM-67	67	TSS-53	2.5/8"	98	38	740
TSSM-70	70	TSS-56	2.3/4"	106	40	740
TSSM-72	72	TSS-57	2.13/16"	106	40	800
TSSM-75	75	TSS-59	2.15/16"	114	40	800



## TAPERED OFFSET HANDLE OPEN JAW TYPE

Wrench Size (A/F)

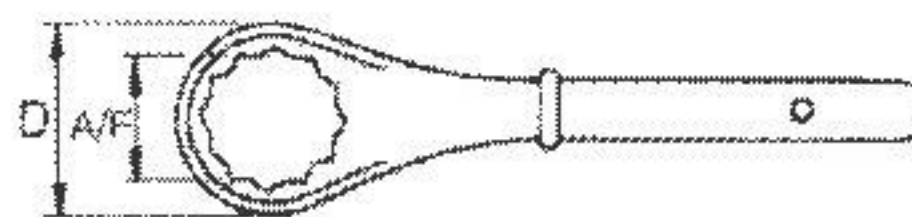
Part No.	Size	Part No.	Size	Head Dia.	Head Thk.	Length (mm)
TSDOM-16	16	TSDO-23	5/8"	35	12	305
TSDOM-17	17	TSDO-24	11/16"	38	12	305
TSDOM-19	19	TSDO-25	3/4"	42	12	305
TSDOM-22	22	TSDO-27	13/16"	56	16	445
TSDOM-23	23	TSDO-28	7/8"	56	16	445
TSDOM-24	24	TSDO-29	15/16"	56	16	445
TSDOM-26	26	TSDO-30	1"	56	16	445
TSDOM-27	27	TSDO-31	1.1/16"	56	16	445
TSDOM-28	28	TSDO-32	1.1/8"	56	16	445
TSDOM-30	30	TSDO-33	1.3/16"	56	16	445
TSDOM-32	32	TSDO-34	1.1/4"	84	24	648
TSDOM-36	36	TSDO-37	1.7/16"	84	24	648
TSDOM-38	38	TSDO-38	1.1/2"	84	24	648
TSDOM-41	41	TSDO-39	1.5/8"	112	27	775
TSDOM-43	43	TSDO-40	1.11/16"	112	22	775
TSDOM-46	46	TSDO-42	1.13/16"	112	24	775
TSDOM-48	48	TSDO-43	1.7/8"	112	24	775
TSDOM-50	50	TSDO-44	1.15/16"	112	27	775
TSDOM-55	55	TSDO-45	2"	160	30	850



## OFFSET BOX WRENCH TUBULAR

Wrench Size (A/F)

Part	A/F	Part	A/F	φ	TD	H	L1	L2
TTOMHM-24	24	TTOMH-29	15/16"	38	17	30	95	180
TTOMHM-27	27	TTOMH-31	1.1/16"	41	17	32	100	190
TTOMHM-30	30	TTOMH-33	1.3/16"	48	18	34	105	200
TTOMHM-32	32	TTOMH-34	1.1/4"	49	18	34	119	235
TTOMHM-36	36	TTOMH-37	1.7/16"	54	20	36	125	245
TTOMHM-41	41	TTOMH-39	1.5/8"	62	22	40	138	265
TTOMHM-46	46	TTOMH-42	1.13/16"	69	23	40	151	280
TTOMHM-50	50	TTOMH-45	2"	76	26	43	161	290
TTOMHM-55	55	TTOMH-47	2.3/16"	81	28	46	164	300
TTOMHM-60	60	TTOMH-50	2.3/8"	90	31	49	189	345
TTOMHM-65	65	TTOMH-53	2.9/16"	98	33	53	197	355
TTOMHM-70	70	TTOMH-56	2.3/4"	105	36	55	205	365
TTOMHM-75	70	TTOMH-59	2.15/16"	110	38	58	208	375
TTOMHM-80	80	TTOMH-61	3.1/8"	125	41	59	215	385
TTOMHM-85	85	TTOMH-63	3.3/8"	125	41	59	215	385
TTOMHM-90	90	TTOMH-64	3.1/2"	140	45	63	240	410
TTOMHM-95	95	TTOMH-65	3.3/4"	140	45	63	240	410
TTOMHM-100C	100	TTOMH-66	3.7/8"	143	45	63	242	412





## A PRECISION TOOL CUM INSTRUMENT:

Tritorc Click type Torque Wrenches are of an innovation design concept, providing consistently accurate readings and rugged, (Trouble Free) Performance. Our Torque Wrenches have a proven performance record and we offer a **Free Replacement Guarantee** on our complete range of Torque Wrenches, against any premature failure



MODEL NO.		TORQUE WRENCHES				SQUARE DRIVE	OVERALL LENGTH	UNIT WEIGHT
Non-Ratcheting	Ratcheting	Nm	Kgf.m	Lbf.in	Lb.ft	Inches	mm	kgs.
TRT-100A	TRTR-100A	2.5-11	0.3-1.1	20-100	2-8	3/8	320/360	0.65
TRT-300A	TRTR-300R	5-35	0.5-3.5	40-300	4-25	3/8	430/465	0.85
TRT-600A	TRTR-600R	12-68	1.2-7	100-600	10-50	1/2	485/530	1.5
TRT-1200A	TRTR-1200A	25-135	3-14	200-1200	20-100	1/2	545/595	2.0
TRT-2000A	TRTR-2000A	50 - 225	5-23	400-2000	40-160	1/2	610/660	3.0
TRT-3000A	TRTR-3000A	70 - 330	7-35	600-3000	50 - 250	1/2	835/890	4.0
TRT-5000A	TRTR-5000A	140 -560	14-57	1200-5000	100-410	3/4	1120/1195	7.0
TRT-8400A	TRTR-8400A	480 - 940	49-95	4200-8400	350-700	1	1400/1485	12.0
TNT-14	TNT-14/R	135-540	14-56	1200-4800	100-400	3/4	1120/1195	6.5
TNT-14S	TNT-14S/R	135-780	14-78	1200-6640	100-500	3/4	1110/1195	7.0
TNT-49	TNT-49/R	475-1050	49-105	4200-9300	350-750	3/4	1390/1480	15.0
TNT-55	TNT-55/R	540-1380	55-140	4800-12250	400-1000	1	1305/1340	18.0
TNT-105	TNT-105/R	1000-1900	105-195	8800-16820	750-1400	1	1305/1340	18.0

## We also offer Torque Wrenches of following types:

### Open Jaw Fixed Head Type

These types of Torque Wrenches available in standard Across Flat sizes from 10 mm to 46 mm with torque preset to one value as per bolt torque capacity or customer requirement. These torque wrenches can be used directly on bolt, there is no need of sockets.



### Bi-Hex Ring Type

These types of Torque Wrenches available in standard Across Flat sizes from 10 mm to 46 mm with torque preset to one value as per bolt torque capacity or customer requirement. These torque wrenches can be used directly on bolt, there is no need of sockets.



### Preset Torque Production Type

These types of Torque Wrenches are designed specifically for use on production lines where many fasteners to be tightened to the same torque value. It improves working efficiency of workman and the production works will complete



## FEATURES

- Light weight manual torque wrenches
- Adjustable drive heads.
- Micrometer adjustable
- Higher accuracy for torque adjustment

## TQL TORQUE WRENCH TORQUE Industrial Torque



ITEM NO.	Square Drive	RangeL	mm	kg
TQL-30N	1/4" or 3/8"	6-30 Nm	350	0.74
TQL-110N	3/8"	19-110 Nm	385	0.96
TQL-210N	1/2"	40-210 Nm	535	1.70
TQL-330N	1/2"	70-350 Nm	645	2.54
TQL-500N	3/4"	100-500 Nm	865	3.66
TQL-700N	3/4"	140-700 Nm	1092	5.94
TQL-980N	3/4" or 1"	140-980 Nm	1230	6.46
TQL-1500N	1"	300-1500Nm	1700	11.58

ITEM NO.	Square Drive	RangeL	mm	kg
TQL-250i	1/4" or 3/8"	40-250 in.lb	350	0.74
TQL-80F	3/8"	15-80 ft.lb	385	0.96
TQL-150F	1/2"	30-150 ft. lb.	535	1.70
TQL-250F	1/2"	50-250 ft. lb.	645	2.54
TQL-300F	3/4"	50-300 ft. lb.	865	3.66
TQL-600F	3/4"	100-600 ft. lb.	1092	5.94
TQL-700F	3/4" or 1"	100-700 ft. lb.	1230	6.46
TQL-1000F	1"	200-1000 ft. lb.	1700	11.58

## TSP TORQUE WRENCH Pre-Set Torque



ITEM NO.	Square Drive	RangeL	mm	kg
TSP-12N	1/4"	2.12 Nm	193	0.22
TSP-50N	3/8"	5-50 Nm	298	0.56
TSP-100N	3/8"	15-100 Nm	365	0.76
TSP-200N	1/2"	50-200 Nm	508	1.38

ITEM NO.	Square Drive	RangeL	mm	kg
TSP-120i	1/4"	20-120 in.lb	193	0.22
TSP-40F	3/8"	4-40 ft.lb	298	0.56
TSP-80F	3/8"	10-80 ft.lb	365	0.76
TSP-150F	1/2"	40-150 ft.lb	508	1.38

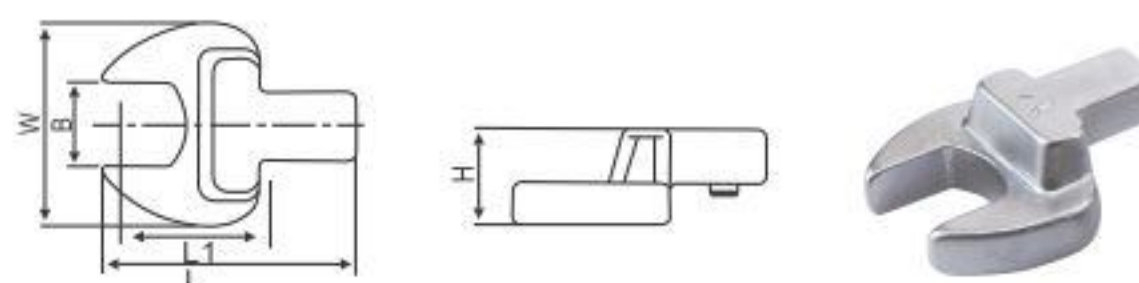
## TAP INTERCHANGEABLE TORQUE HANDLE TORQUE WRENCH



ITEM NO.	mm	RangeL	mm	kg
TAP-30N	9x12	6-30 Nm	280	0.75
TAP-80N	9x12	15-80 Nm	355	0.88
TAP-80NS	14x18	15-80 Nm	360	0.90
TAP-110N	9x12	19-110 Nm	368	0.94
TAP-110NS	14x18	19-110 Nm	373	0.96
TAP-210N	14x18	40-210 Nm	509	1.50

ITEM NO.	mm	RangeL	mm	kg
TAP-250i	9x12	50-250 in.lb	280	0.75
TAP-60F	9x12	10-60 ft.lb	355	0.88
TAP-60FS	14x18	10-60 ft.lb	360	0.90
TAP-80F	9x12	15-80 ft.lb	368	0.94
TAP-80FS	14x18	15-80 ft.lb	373	0.96
TAP-150F	14x18	30-150 ft.lb	509	1.50

## TSH INTERCHANGEABLE OPEN ENDED HEADS



ITEM NO.	B mm	mm	W mm	H mm	L mm	L1 mm	kg
TSH0912-7m	7	9x12	24.0	5.5	37.0	17.5	38
TSH0912-8m	8	9x12	24.0	5.5	37.0	17.5	38
TSH0912-9m	9	9x12	24.0	6.0	37.5	17.5	39
TSH0912-10m	10	9x12	30.0	6.0	38.5	17.5	42
TSH0912-11 m	11	9x12	30.0	6.0	38.5	17.5	43
TSH0912-12m	12	9x12	30.0	7.0	39.5	17.5	48
TSH0912-13m	13	9x12	30.0	7.0	42.0	20.0	52
TSH0912-14m	14	9x12	30.0	7.0	42.0	20.0	59
TSH0912-15m	15	9x12	35.0	8.0	43.0	20.0	59
TSH0912-16m	16	9x12	38.0	8.0	44.5	20.0	67
TSH0912-17m	17	9x12	38.0	8.5	44.5	20.0	67
TSH0912-18m	18	9x12	42.0	8.5	44.5	22.0	75
TSH0912-19m	19	9x12	42.0	8.5	46.0	22.0	75

ITEM NO.	B mm	mm	W mm	H mm	L mm	L1 mm	kg
TSH1418-13m	13	14x18	35.0	7.0	62.5	32.0	148
TSH1418-14m	14	14x18	35.0	8.0	63.0	32.0	154
TSH1418-15m	15	14x18	35.0	8.5	64.0	32.0	154
TSH1418-16m	16	14x18	38.0	9.0	64.0	32.0	173
TSH1418-17m	17	14x18	38.0	9.0	64.0	32.0	173
TSH1418-18m	18	14x18	42.0	10.0	65.0	32.0	192
TSH1418-19m	19	14x18	42.0	10.5	65.0	32.0	193
TSH1418-21m	21	14x18	50.0	11.0	66.0	32.0	217
TSH1418-22m	22	14x18	52.5	11.0	66.0	32.0	222
TSH1418-24m	24	14x18	53.0	11.0	67.0	32.0	225
TSH1418-26m	26	14x18	60.0	12.5	70.0	34.0	273
TSH1418-27m	27	14x18	60.0	12.5	70.0	34.0	281
TSH1418-29m	29	14x18	66.0	14.0	74.0	36.0	312
TSH1418-30m	30	14x18	66.0	14.0	74.0	36.0	312
TSH1418-32m	32	14x18	66.0	14.5	76.5	37.5	322

# TRITORC TORQUE MULTIPLIERS

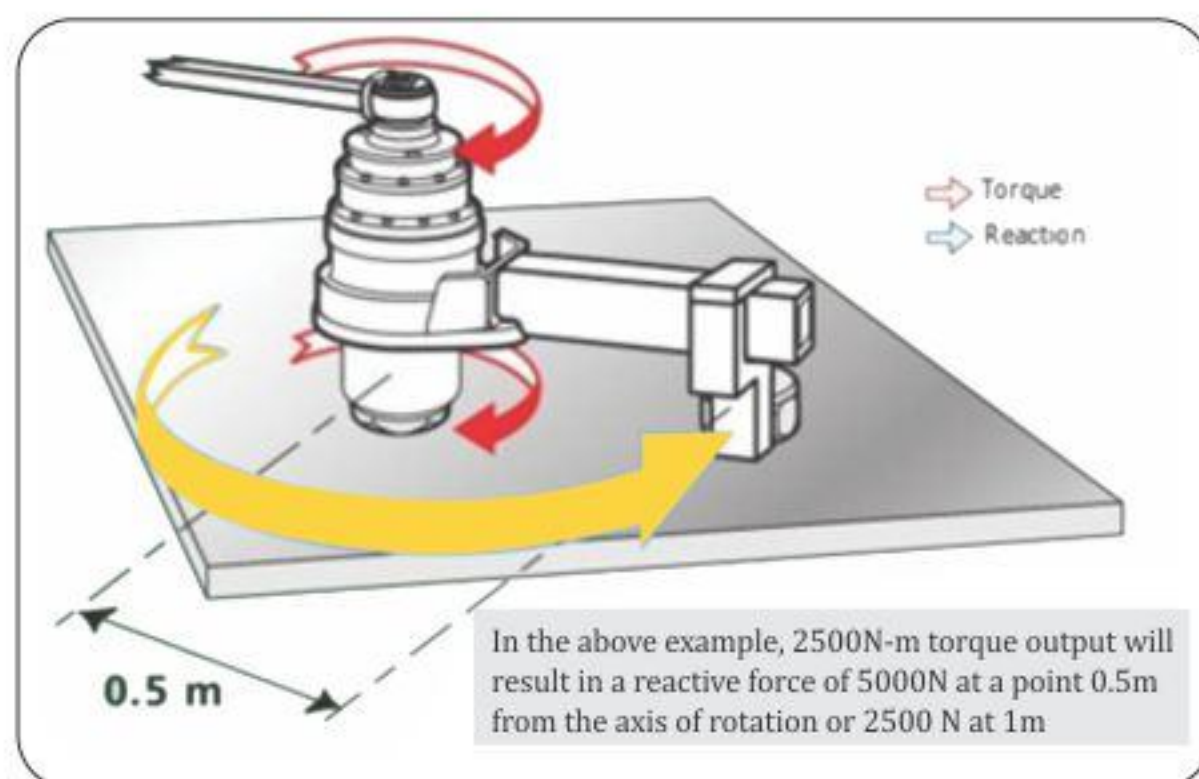
## A Powerful Robust, Versatile, Portable and Accurate Tool:

Tritorc Torque Multipliers provide extra mechanical advantage needed to tighten or loosen stubborn nuts and bolts located in cramped or (in accessible) positions. A Manual Tool, particularly recommended where no compressed air/electric power available for use of Power Tools.

Tritorc Torque Multipliers increase the Torque capacity of Torque wrenches, Hand Ratchets/Wheel Braces at the Input end by a factor depending on the model selected. This enables the operator to achieve high levels of Torque safely and easily.

With continuous R&D efforts, we have two variety of Torque multipliers in our product range, The Conventional 'AM' series and a more compact and lightweight 'TVR' series.

## Torque Reaction:



## Principles of Torque Reaction:

Newton's law dictates that for every applied force there is an equal and opposite reactive force. For applications requiring relatively low torques that can be applied with a torque wrench this does not present a problem as the reactive force is absorbed by the operator. However, if the desired torque necessitates the use of a multiplier, the resultant reactive force can only be absorbed using an appropriate reaction device.

For this reason all Tritorc multipliers are supplied with reaction plate or reaction foot.

The hand torque multiplier is a device that multiplies the input torque by a specified ratio by using a gear system. In hand torque multiplier

there is a planetary gear system which is used to perform the function of torque multiplication. A reaction arm is fitted to the torque multiplier which resists the opposite motion of the annulus (the outer case of the multiplier) to the input torque. Thus without the reaction arm no torque is applied through the square drive.

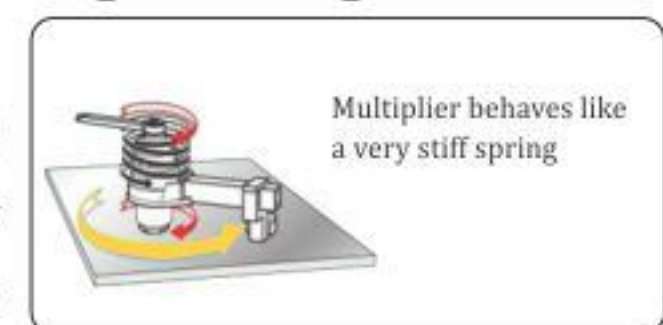
Hand torque multipliers with a high ratio gearbox (25:1 or more) require a certain amount of windup (backlash) to be taken up before any useful tightening work is applied to the nut. In this instance an Anti Wind-Up Ratchet (AWUR) is fitted to retain all of the wind up forces.

## AWUR: Anti Wind Up Ratchet:

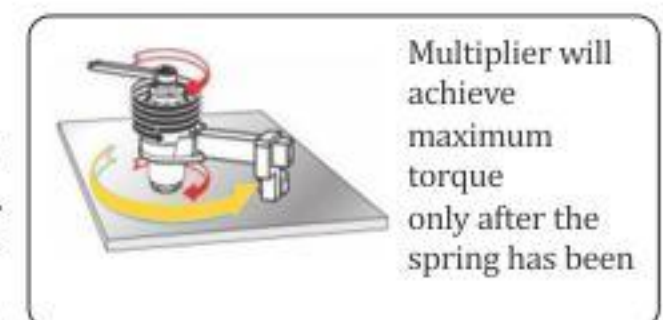
The high gear ratio hand torque multipliers i.e. more than 25:1 are provided with anti wind up ratchet feature. The Anti Wind Up Ratchet acts like a spring which has to be completely wound before the operation of tightening or loosening of the bolt can be performed.

The use of AWUR in higher ratios of torque multiplication has the following advantages.

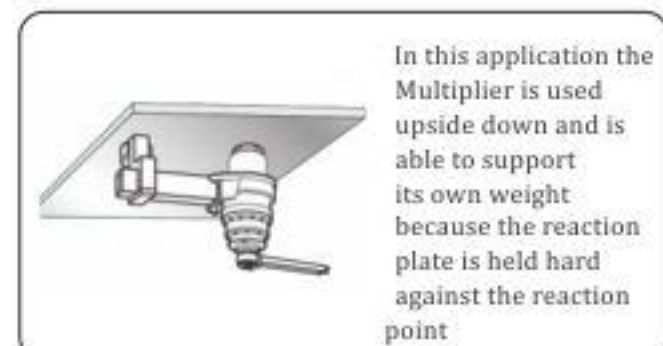
- AWUR ensures that the spring remains completely wound and the torque is directly transmitted to the bolt.



- AWUR facilitates the complete transmission of the input torque without any backlash.

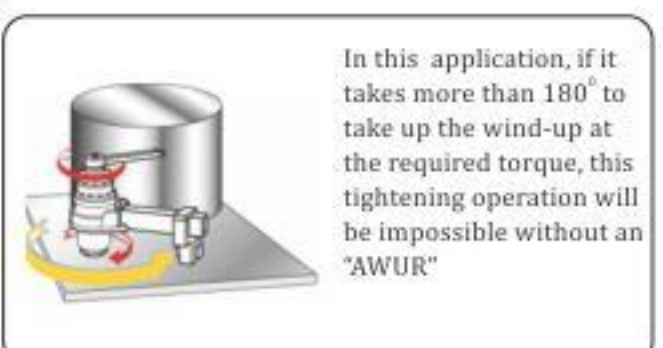


- AWUR enables the user to use the manual torque multiplier in upside down position. This is because the reaction arm holds the multiplier firmly at the reaction point and the torque multiplier gets locked on to the nut.

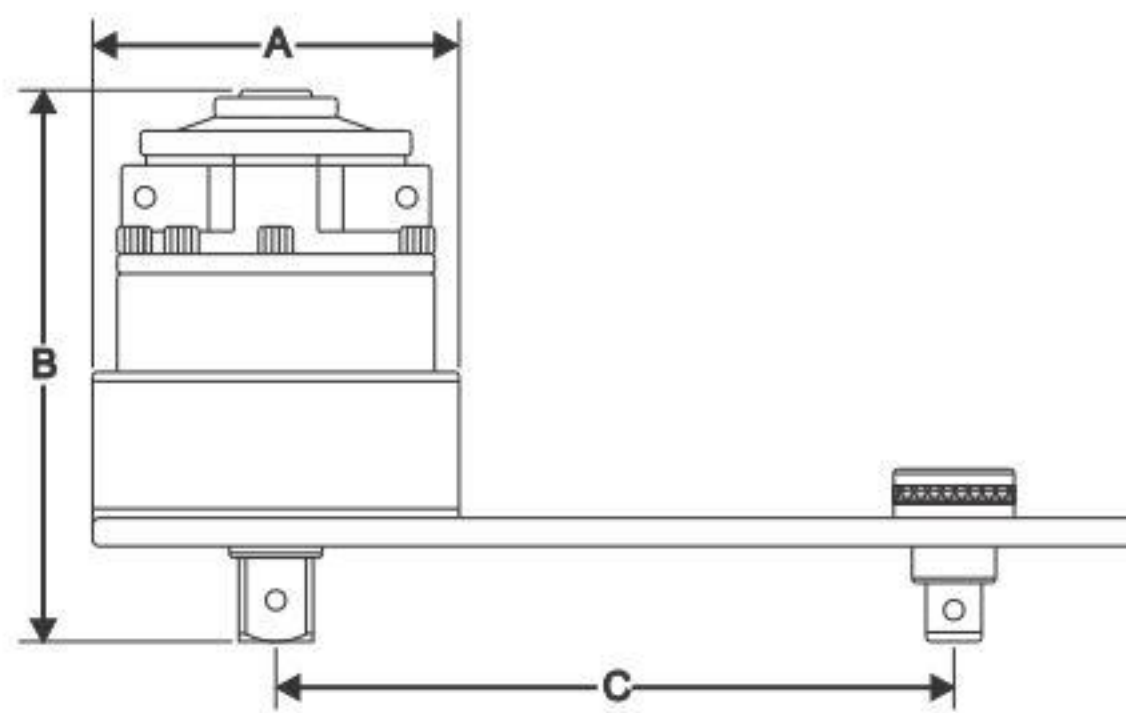


**Safety Note:**  
Additional support is recommended as a failure in the bolt, socket or multiplier will release the wind-up forces and cause the multiplier to drop

- It is not necessary to sweep the multiplier with a torque input device a full 360 degrees. Thus enabling efficient torque



# MANUAL TORQUE MULTIPLIER



## SPECIFICATION:

HAND TORQUE MODEL NO.	MAXIMUM OUTPUT TORQUE			ESTIMATED CAPACITY (S. QUALITY)		MULTIPLICATION FACTOR	FEMALE INPUT SQUARE.	MALE OUTPUT SQUARE	MAJOR DIA A	DEPTH B	MIN C	MAX C	RECOMMEN TORQUE WRENCH No.	APPROX. WEIGHT WITH REACTION PLATE (kg.)
	lbft	Nm.	Kgf.m	In.	mm									
TAM-1	1250	1700	170	1.1/8	27	5	1/2	3/4	115	87	75	164	TRT-3000A	4.5
TAM-2	1250	1700	170	1.1/8	27	5	3/4	1	115	90	75	164	TRT-3000A	5.0
TAM-2/25 <small>Fitted with AWUR</small>	1250	1700	170	1.1/8	27	25	1/2	1	115	120	75	164	TRT-600A	7.0
TAM-5	2000	2700	275	1.3/8	36	5	3/4	1	136	135	89	260	TRT-5000A	11.0
TAM-5/25 <small>Fitted with AWUR</small>	2000	2700	275	1.3/8	36	25	1/2	1	136	163	89	260	TRT-1200A	11.0
TAM-6	2500	3400	345	1.1/2	38	5	3/4	1.1/2	136	149	105	260	TRT-8400A	8.5
TAM-6/25	2500	3400	345	1.1/2	38	25	1/2	1.1/2	136	176	105	260	TRT-1200A	11.5
TAM-7	4500	6000	622	1.7/8	48	5	3/4	1.1/2	168	174	115	310	TNT-55	18.0
TAM-7/25R <small>Fitted with AWUR</small>	4500	6000	622	1.7/8	48	25	1/2	1.1/2	168	226	115	310	TRT-3000A	22.0
TAM-9/25R <small>Fitted with AWUR</small>	7000	9500	965	2.1/4	56	25	3/4	1.1/2	195	256	150	350	TRT-5000A	33.0
TAM-9/125 <small>Fitted with AWUR</small>	7000	9500	965	2.1/4	56	125	1/2	1.1/2	195	301	150	350	TNT-14/S	35.5
TAM-11/25 <small>Fitted with AWUR</small>	12500	17000	1735	3.3/4	95	25	3/4	2.1/2	220	360	164	480	TNT-14/S	52.0
TAM-11/125 <small>Fitted with AWUR</small>	12500	17000	1735	3.3/4	95	125	1/2	2.1/2	220	404	164	480	TRT-2000A	57.0

## AWUR-Anti Wind Up Ratchet



## MANUAL TORQUE MULTIPLIER-SLIM TYPE:

MODEL NO.	Gear Ratio	Torque Capacity Max.		Height mm (C)	Diameter mm (D)	Weight Kgs.	Input Drive (A)	Output Drive (B)	Suitable for Bolt Size	
		Ft. lbs	Nm						Thd. Size	A/F
TTVR:15	4.5:1	1000	1355	175	80	3.0	3/4"	1"	M16-M27	24-41
TTVR:25	12:1	1350	1630	310	80	5.2	3/4"	1"	M20 - M30	30-46
TTVR:35	15:1	2125	2880	285	80	5.1	3/4"	1"	M20 - M36	30-55
TTVR:40	15:1	2360	3200	245	95	6.1	3/4"	1.1/2"	M20 - M39	30-60
TTVR:65	21:1	3660	4960	240	114	8.4	3/4"	1.1/2"	M27 - M42	41-65

# LOAD BALANCERS & TOOL KITS

## Load Balancers

- \* Reduces operator fatigue and improves working efficiency.
- \* Enables an increase in working area, Utilizing space.
- \* Provides Tool Stability and Damage.
- \* Can be used Vertically up and down.
- \* Increases productivity Dramatically.
- \* Does not require any Electric or Pneumatic Power.

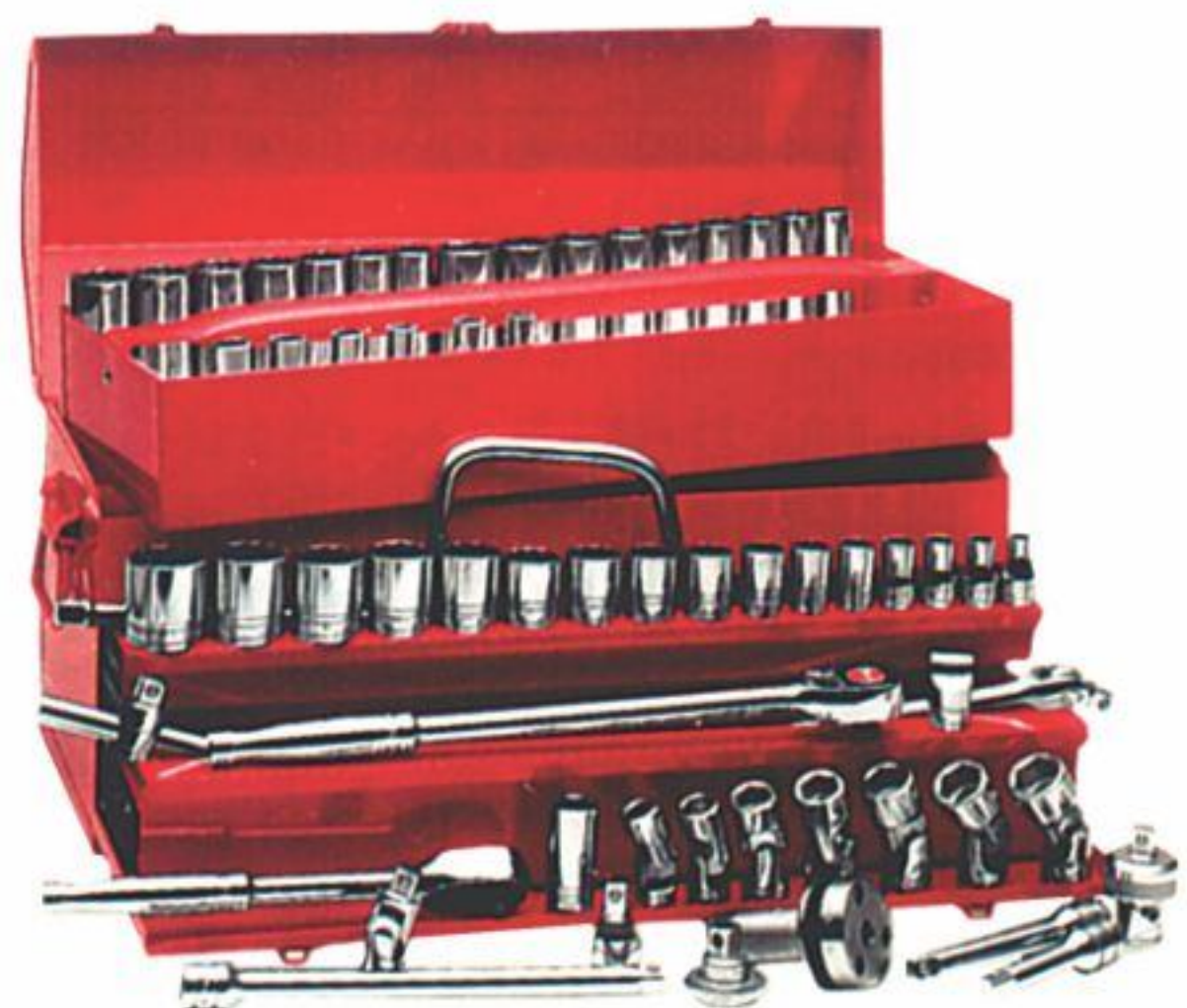
TRITORC Tool Balancers have been designed specially to reduce Operator Fatigue when working with Heavy Tools. The Tool Balancer carries the load making it easy for the Operator to Concentrate on his work more effectively.



**TOOL KITS** are known for their Best Quality & Durability. The tool kits are fabricated after stringent quality control and each tool kits matches the best of its kind from anywhere in the world. Due to the tool kits the technicians have no problems while concentrating on any job, major or minor. Each tool is designed and manufactured keeping safety factor in mind. The tool kits not only enables the operator to perform skillfully any types of repair and maintenance jobs but it also helps to complete the job in the shortest possible time.

The technicians feel proud of being in possession of TRITORC TOOL KITS and it helps the Technicians to know their true potential and further display their impeccable skills.

We are catering to the OEM requirements of companies like Hindustan Motors Ltd., Larsen & Toubro Ltd., Earth moving equipments manufacturers for tool kits that go with their





TOOL KIT MODEL	DESCRIPTION
TTR-46-M	TRITORC GENERAL ALL PURPOSE HANDYMAN'S TOOLKIT
TTR-47-M	TRITORC MECHANICS BREAKDOWN TOOL KIT
TTR-47-A	TRITORC MECHANICS BREAKDOWN TOOL KIT
TTR-78-AM	TRITORC MECHANICS BREAKDOWN TOOL KIT
TTR-70-M	TRITORC VEHICLE MECHANICS TOOL KIT
TTR-35-M	TRITORC CAR SERVICE TOOL KIT
TTR-75-M	TRITORC ELECTRICIAN TOOL KIT
TTR-76-M	TRITORC ELECTRICIAN TOOL KIT
TTR-90-M	TRITORC BASIC SERVICE TOOL KIT
TTR-90-A	TRITORC BASIC SERVICE TOOL KIT
TTR-131-AM	TRITORCBASIC SERVICE TOOL KIT
TTR-94-M	TRITORC GARAGE MAINTENANCE TOOL KIT
TTR-94-A	TRITORC GARAGE MAINTENANCE TOOL KIT
TTR-141-AM	TRISTAR GARAGE MAINTENANCE TOOL KIT
TTR-103-M	TRITORC FITTERS TOOL KIT
TTR-103-A	TRITORC FITTERS TOOL KIT
TTR-161-AM	TRISTAR FITTERS TOOL KIT
TTR-112-AM	TRITORC MACHINE SHOP MAINTENANCE TOOL KIT
TTR-142-M	TRITORC MAINTENANCE TOOL KIT

TOOL KIT MODEL	DESCRIPTION
TTR-205-AM	TRITORC MAINTENANCE TOOLKIT
TTR-143-M	TRITORC SUPER MAINTENANCE BREAKDOWN TOOL KIT
TTR-143-A	TRITORC SUPER MAINTENANCE BREAKDOWN TOOL KIT
TTR-221-AM	TRITORC SUPER MAINTENANCE BREAKDOWN TOOL KIT
TTR-151-M	TRITORC INDUSTRIAL HEAVYDUTY TOOL KIT
TTR-151-A	TRITORC INDUSTRIAL HEAVYDUTY TOOL KIT
TTR-220-AM	TRITORC INDUSTRIAL HEAVYDUTY TOOL KIT
TTR-158-M	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-158-A	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-237-AM	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-179-M	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-179-A	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-276-AM	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-160-AM	TRITORC UNIVERSAL SERVICE TOOL KIT
TTR-60-M	TRITORC ELECTRICIAN'S TOOL KIT
TTR-180-M	TRITORC MAINTENANCE SERVICE TOOL KIT
TTR-180-A	TRITORC MAINTENANCE SERVICE TOOL KIT
TTR-287-AM	TRITORC MAINTENANCE SERVICE TOOL KIT

**Note:** Beside the above range, we can also supply toolkits made to customer specifications and for OEM requirements



## TOOL BALANCERS

MODEL NO	.BALANCING CAPACITY		TRAVEL IN MTR.	ROPE DIA. MM.	UNIT WEIGHT ksg
	MIN. KGS.	MAX. KGS.			
TE-1	0.25	1.5	1.5	2.0	1.0
TE-2	1.0	2.0	1.5	2.0	1.0
TE-3	1.0	3.0	2.0	2.5	1.8
TE-5	2.5	5.0	2.0	2.5	1.8
TE-9	4.5	9.0	1.5	4.0	4.2
TE-15	9.0	15.0	1.5	4.0	4.5
TE-22	15.0	22.0	1.5	5.0	9.0
TE-30	22.0	30.0	1.5	5.0	9.5
TE-40	30.0	40.0	1.5	5.0	10.5
TE-50	40.0	50.0	1.5	5.0	11.2
TE-60	50.0	60.0	1.5	5.0	12.6
TE-70	60.0	70.0	1.5	5.0	13.2
TE-85	70.0	85.0	1.5	8.0	25.0
TE-100	85.0	100.0	1.5	8.0	27.5
TE-120	100.0	120.0	1.5	8.0	30.5
TE-150	120.0	150.0	1.5	8.0	32.0
TE-180	150.0	180.0	1.5	8.0	35.0
TE-200	180.0	200.0	1.5	8.0	36.0
TE-225	200.0	225.0	1.5	10.0	48.0
TE-250	225.0	250.0	1.5	10.0	50.0
TE-275	250.0	275.0	1.5	12.0	52.0



### T3007UJ

- 7pc 3/8" Dr. Impact Universal Socket Sets (ANSI/DIN ; CR-V / CR-MO)
- 7PC
- Metric: 10, 11, 12, 13, 14, 16, 17mm
- Packing: Blow Case

### T3007UJ

7pc 3/8" Dr. Impact Universal Socket Sets (ANSI/DIN ; CR-V / CR-MO)  
7PC  
SAE: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16  
Packing: Blow Case



### T4007

7pc 3/8" Dr. Impact Universal Socket Sets (ANSI/DIN ; CR-V / CR-MO)  
7PC Metric: 10, 11, 12, 13, 14, 16, 17mm  
Packing: Blow Case



### T4004 COLOR

4pc 1/2" Dr. Deep Thin Wall Impact Socket Sets 4pc 6point Metric: 17(Blue), 19(Gold), 21(Red), 22(Green) mm Packing: Blow Case

### T4004S COLOR

4pc 1/2" Dr. Deep Thin Wall Impact Socket Sets 4pc 6point Metric: 11/16, 3/4, 13/16, 7/8 Packing: Blow Case



### T4005 COLOR

5pc 1/2" Dr. Deep Thin Wall Impact Socket Sets 5pc 6point Metric: 15(Green), 17(Blue), 19(Gold), 21(Red), 22(Purple) mm  
Packing: Metal Case



### T4012 COLOR

12pc 1/2" Dr. Impact Socket Sets 3pc 6point Deep Thin Wall Socket 17(Blue), 19(Gold), 21(Red) mm 9pc 6point Socket 10, 11, 13, 14, 17, 19, 22, 24, 27 mm  
Packing: Metal Case



### T4013

13pc 1/2" Dr. Impact Bit Socket Sets (ANSI/DIN ; CR-V/CR-MO) 5pc Hex: 5, 6, 8, 10, 12 mm 8pc Star: TX30, TX40, TX45, TX50, TX55, TX60, TX70, TX80  
Packing: Metal Case



### T3018UJ

8pc 1/2" Dr. Impact Universal Socket Sets (ANSI/DIN ; CR-V/CR-MO)  
8pc Metric: 13, 14, 15, 16, 17, 18, 19, 21mm

### T3018SUJ

8pc 1/2" Dr. Impact Universal Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc  
SAE: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Packing: Blow Case N.W  
22.8 G.W(kgs) 23.8 (16 SET) M'EAST(Cuft) 0.89'



### T4015

15pc 1/2" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 12pc 6point Deep Socket 10, 12, 13, 15, 16, 17, 18, 19, 21, 22, 24, 27 mm 1pc Universal Joint 2pc Ext. Bar 125, 250 mm  
Packing: Metal Case



### T4006

6pc 1/2" Dr. Impact Socket Bit Sets (ANSI/DIN ; CR-V/CR-MO) 3pc 12point Deep Socket 30, 32, 36 mm 3pc Hex Bit Socket 14, 17, 19mm  
Packing: Metal Case



### T4011

11pc 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 11pc 6point Metric: 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, mm  
Packing: Metal Case

### T4011S

11pc 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 11pc 6point 10, 12, 13, 15, 16, 17, 18, 19, 21, 22, 24, 27 mm SAE: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"  
Packing: Blow Case



### T4010

10pc 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 10pc 6point Metric: 11, 13, 14, 16, 17, 19, 21, 22, 24, 25 mm  
Packing: Blow Case

### T4010S

10pc 1/2" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 10pc 6point SAE: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"  
Packing: Blow Case



### T4013A

6pc 1/2" Dr. Impact Socket Bit Sets (ANSI/DIN ; CR-V/CR-MO) 12pc 6point Deep Socket 10, 12, 13, 15, 16, 17, 18, 19, 21, 22, 24, 27 mm 1pc Universal Joint 2pc Ext. Bar 125, 250 mm  
Packing: Metal Case

### T4013SA

6pc 1/2" Dr. Impact Socket Bit Sets (ANSI/DIN ; CR-V/CR-MO) 12pc 6point Deep Socket 10, 12, 13, 15, 16, 17, 18, 19, 21, 22, 24, 27 mm 1pc Universal Joint 2pc Ext. Bar 125, 250 mm  
Packing: Metal Case



### T4014

14pc 1/2" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 14pc 6point Metric: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27mm  
Packing: Blow Case

### T4014S

14pc 1/2" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 14pc 6point SAE: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-3/16  
Packing: Blow Case





### T4019

19pc 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 14pc 6point Socket 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27mm 3pc Ext. Bar 50, 150, 250 mm 1pc Adapter 1/2"F x 3/8"M 1pc Universal Joint  
Packing : Metal Case



### T4008HEX

8pc 1/2" Dr. Impact Hex Bit Socket Sets (ANSI/DIN ; CR-V/CR-MO)  
8pc 5, 6, 7, 8, 10, 12, 14, 17mm  
Packing: Injection Case



### T4008STAR

8pc 1/2" Dr. Impact Star Bit Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc T25, T30, T40, T45, T50, T55, T60, T70  
Packing: Injection Case



### T4013B

13pc 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 10pc 6point Socket 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 mm 1pc Universal Joint 1pc Ext. Bar 5" 1pc Bit Adapter  
Packing : Injection Case



### T4041

13pc 1/2" Dr. Impact Socket & Bit Sets (ANSI/DIN ; CR-V/CR-MO) 10pc 6point Socket 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, mm 1pc Adapter 1/2"F x 1/4"M 1pc Socket Adapter 1/2" x 75mm 1pc Stainless Bit HOLDER W/Quick Change 60mm 28pc Bit Set 25mm Phillips: 1, 2, 3 Pozi: 1, 2, 3 Hex: 3, 4, 5, 6 mm Slotted: 3, 4, 5, 6 mm Star: T10, T15, T20, T25, T27, T30, T40 Tamper Torx: TH10, TH15, TH20, TH25, TH27, TH30, TH40  
Packing : Injection Case



### T4037

37pc 3/8" Dr. & 1/2" Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 16pc 3/8" 6point Deep Socket 8, 10, 11, 12, 13, 14, 17, 19mm 9/16, 1/2, 7/16, 3/8, 5/16, 3/4, 11/16, 5/8 20pc 1/2" 6point Socket 10, 11, 12, 13, 14, 17, 19, 21, 22, 24mm 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" 1pc Adapter 1/2"F x 3/8"M  
Packing : Blow Case



### T4007 TORC

7pc 1/2" Dr. Impact Socket Star Bit Sets (ANSI/DIN ; CR-V/CR-MO) 7pc TX30, TX40, TX45, TX50, TX55, TX60, TX70  
Packing : Blow Case



### T4007 HEX

7pc 1/2" Dr. Impact Hex Bit Socket Sets (ANSI/DIN ; CR-V/CR-MO) 7pc H5, H6, H7, H8, H10, H12, H14  
Packing : Blow Case



### T6008

8pc 3/4" Dr. Impact Sockets (ANSI/DIN ; CR-V/CR-MO)

8pc 6point Metric: 19, 21, 22, 24 26, 27, 29, 32 mm

Packing: Metal Case

### T6008S

8pc 3/4" Dr. Impact Sockets (ANSI/DIN ; CR-V/CR-MO) 8pc

6point SAE: 3/4, 13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-1/4

Packing: Metal Case



### T6008-2

8pc 3/4" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc 6point

Metric: 25, 27, 29, 32, 34, 35, 37, 38 mm

Packing: Blow Case

### T6008S-2

8pc 3/4" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc 6point

Metric: 25, 27, 29, 32, 34, 35, 37, 38 mm

Packing: Blow Case



### T6008-1

8pc 3/4" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc 6point

Metric: 22, 24, 27, 28, 30, 32, 36, 38 mm

Packing: Blow Case

### T6008S-1

8pc 3/4" Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc

6point SAE: 7/8, 15/16, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-7/16, 1-1/2

Packing: Blow Case



### T7009

9pc 1 " Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 9pc 6point Metric:

21, 22, 24, 25, 27, 29, 30, 32, 38mm

Packing: Blow Case

### T7009S

9pc 1 " Dr. Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 9pc

6pointSAE: 13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-1/2

Packing: Blow Case



### T7008

8pc 1 " Dr. Deep Impact Socket Sets (ANSI/DIN ; CR-V/CR-MO) 8pc 6point

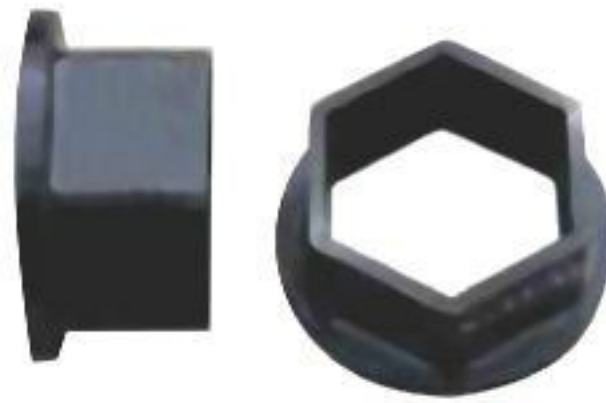
Metric: 24, 27, 30, 32, 33, 36, 38, 41 mm

Packing: Metal Case

## PRECISION QUALITY TOOLS AND COMPONENTS AS PER CUSTOMER SPECIFICATIONS



**CROW FOOT WRENCHES  
SPECIAL NON MAGNETIC SPANNERS**



**HEX AND SQUARE REDUCER SLEEVES**



**LARGE SIZE STUDS  
MADE FROM ALLOY STEEL  
SAE-4140/4340**



**CUSTOMBUILT COMPONENTS AS PER DRAWINGS FOR HYDRAULIC  
BOLT TENTIONERS ETC**



**U BOLT AS PER DRAWING MADE FROM  
ALLOY STEEL SAE-4140/4340**

### ANTI-MAR SOCKETS



NOTE : Tools As Per Drawing Can Be Provided

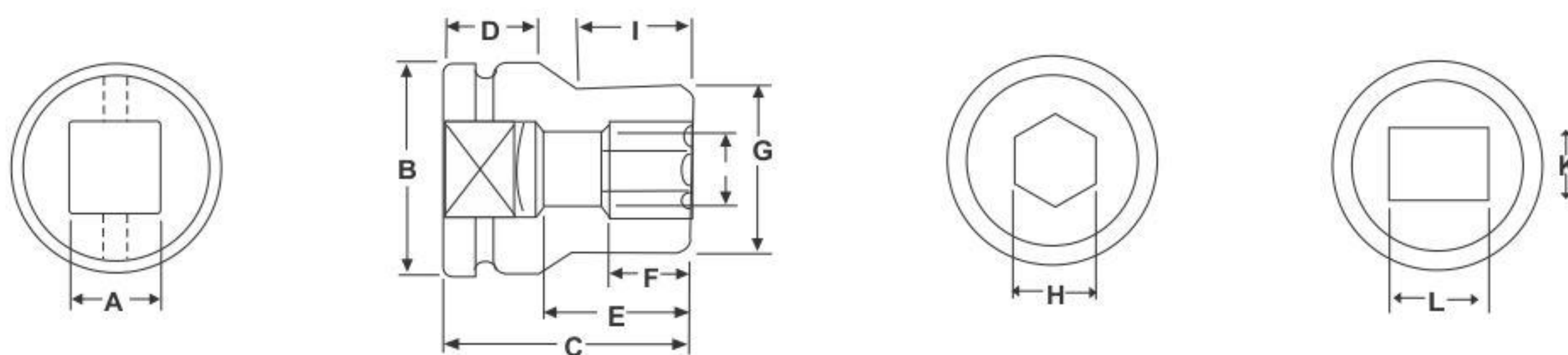
### Specify Driver Opening Type (Check One)

- |                                     |                                     |                                     |  |  |                                |
|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--------------------------------|
|                                     |                                     |                                     |  |  |                                |
| <input type="checkbox"/> Single Hex | <input type="checkbox"/> Single Hex | <input type="checkbox"/> Double Hex | <input type="checkbox"/> Single Square | <input type="checkbox"/> Double Square | <input type="checkbox"/> Other |

### Specify Socket Type (Check One)

- |                                 |                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                                 |                                 |                                 |                                 |
| <input type="checkbox"/> TYPE A | <input type="checkbox"/> TYPE B | <input type="checkbox"/> TYPE C | <input type="checkbox"/> TYPE D |

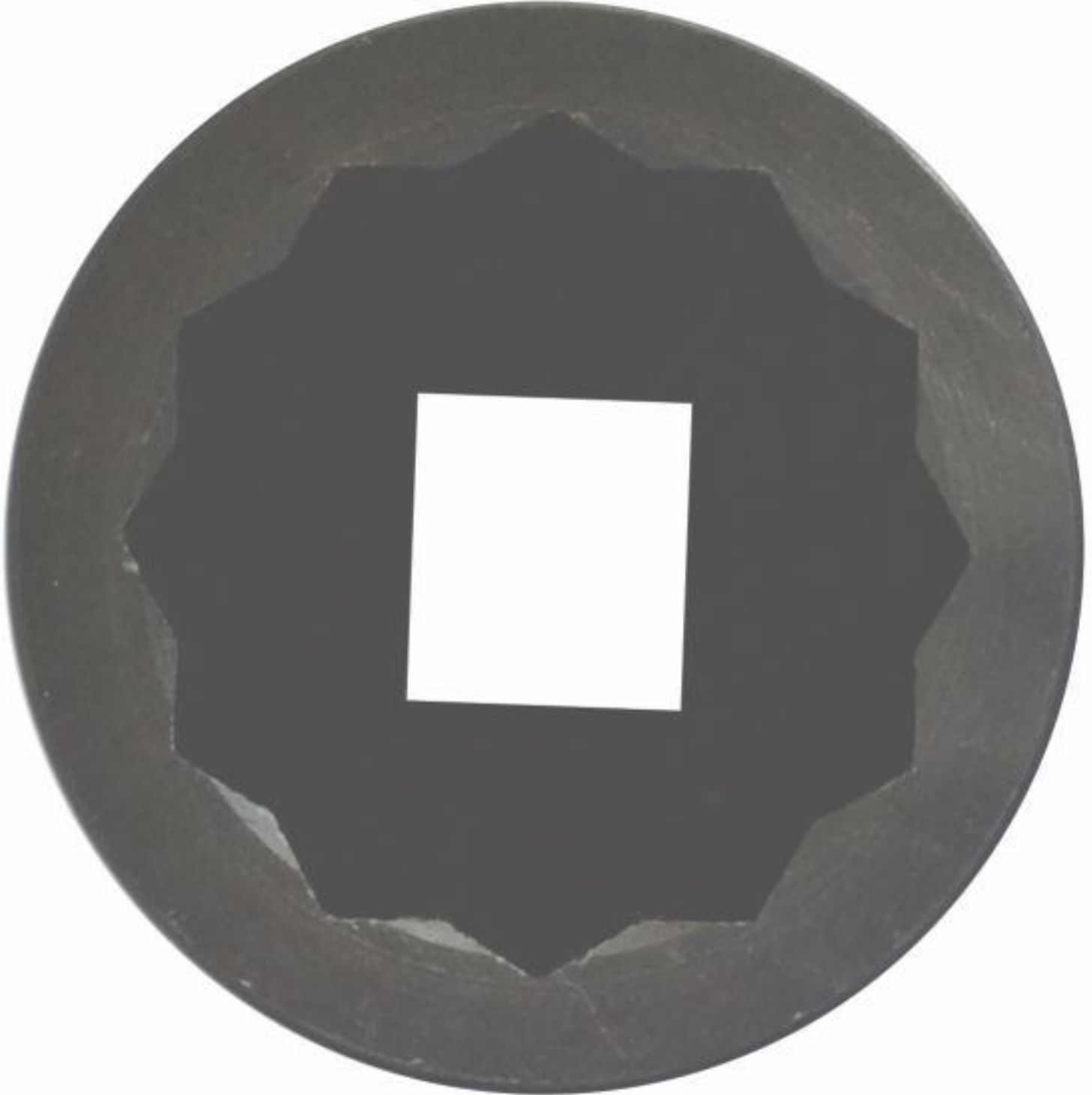
### Specify Critical Dimensions, if necessary. (Leave Blank for default)



A	SQUARE DRIVE _____	G	OUTSIDE DIAMETER SOCKET END _____
B	OUTSIDE DIAMETER SQ. END _____	H	ACROSS FLATS SIZE _____
C	OVERALL LENGTH _____	I	TAPER DEPTH _____
D	SHOULDER LENGTH _____	J	BOLT CLEARANCE DIAMETER _____
E	BOLT CLEAR DEPTH _____	K/L	REC SIZE _____
F	MIN DEPTH OF SOCKET FORM _____		OTHER INFO _____



**TRITORC**  
B O L T O N T R U S T



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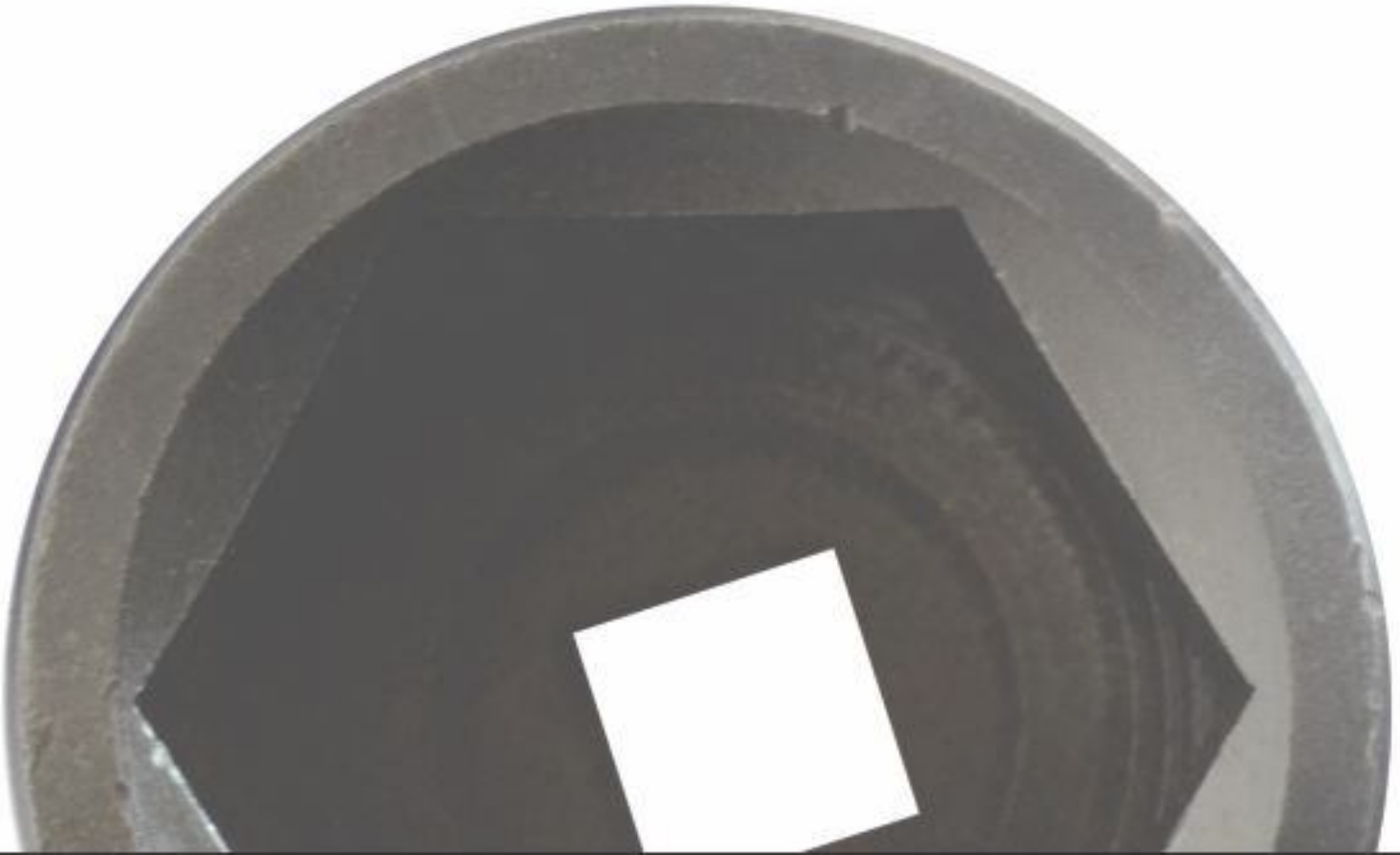
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