



**AL-FAHAD FOR BOLTS & NUTS**

**Industrial Fasteners & Hardware Solutions**

# **FEST** **HARDWARE CATALOG**

**Trusted Since 1982**

Reliable Supplier of Industrial Fasteners, Bolts, Nuts, Anchors, Washers, Stud Bolts, Threaded Rods & Hand Tools.

[festhardware@yahoo.com](mailto:festhardware@yahoo.com)

# ABOUT COMPANY

**AL-FAHAD FOR BOLTS & NUTS** is a trusted supplier of industrial fasteners, hardware products, and engineering tools with decades of industry experience. We specialize in providing high-quality fastening solutions for construction, oil & gas, petrochemical, marine, fabrication, infrastructure, and industrial maintenance sectors.

Our product range includes bolts, nuts, washers, threaded rods, stud bolts, anchors, screws, hand tools, and industrial accessories manufactured according to international standards.

With a strong commitment to quality, reliability, and customer satisfaction, we ensure timely delivery and dependable service for every project requirement.



## OUR VISION

To become a leading supplier of industrial fasteners and hardware products by delivering reliable quality, competitive pricing, and excellent customer support.



## OUR MISSION



Deliver high-quality industrial products



Maintain international quality standards



Build long-term customer relationships



Ensure timely supply and service



Provide cost-effective industrial solutions

**35 years of experience in this field since the year 1982.**



## WHY CHOOSE US



### Wide Product Range

Complete range of industrial fasteners, hardware products, anchors, and tools.



### Quality Assurance

Products manufactured according to DIN, ASTM, ISO, and international standards



### Reliable Supply

Consistent stock availability with prompt delivery support.



### Competitive Pricing

Best quality products at industry-competitive prices.



### Experienced Service

Serving industrial customers with trusted expertise since 1982.

We are pleased to introduce ourselves as one of the leading suppliers of "HARDWARE" in Jubail, Kingdom of Saudi Arabia.

# OUR SUPPLIES

Your Trusted Source for Quality Nuts, Bolts & Industrial Hardware



Centre Bolt / Nut



Square Bolt



Hex Cap Screw-Hex Bolt (Half Thread)



Hex Cap Screw-Hex Bolt (Full Thread)



Hex Flange Bolt



Carriage Bolt



Hex Socket Cap Screw-Allen Bolt



Hex Socket Cap Screw-Countersunk



Anchor Bolt



Stud Bolt



Allen Key



High Tensile Structural Bolt / Nut & Washers A 325



Plow Bolt



Allen Head Set Screw



Wheel bolt



Hub Bolt / Nut



Hook Bolt / Nut / Washer



Hook Bolt



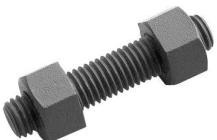
U Bolt / Nut



Hub Bolt / Nut For Truck



Stud Bolt / Hex Nuts



Threaded Bar



Wing Bolt & Wing Nut



Eye Bolt & Eye Nut



Rivet  
(Round, Flat Head)



Tapping screw  
(Flat, Hex, Slotted Head)



Phillips Tapping screw  
(Flat, Pan Head)



Slotted Machine Screw  
(Flat, Round Head)



Phillips Machine Screw  
(Flat, Round Head)



Slotted Wood Screw  
(Flat, Round Head)



Phillips wood screw  
(Round, Flat Head)



Roofing Bolt / Square Nut



Multi Anchor  
(Hilti Type)



Hook-Expanding Bolt



Eye-Expanding Bolt



Hex Lag Bolt



Set Anchor



Expanding Shell



Self Drilling Screw/rubber Washer



Dry Wall Screw



Self Drilling Anchor



Expanding Bolt



Square Head Set Screw



Slotted Set Screw



Hex Socket Head Tapping Screw



Cotter Pin

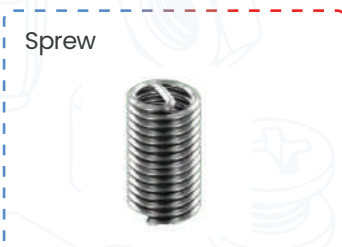
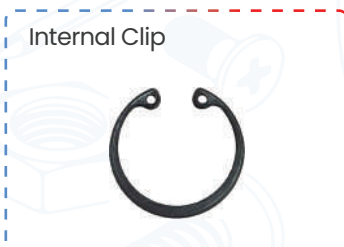
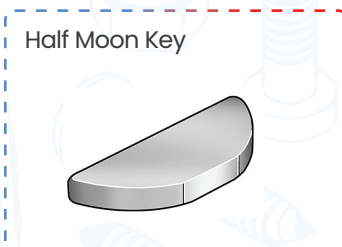
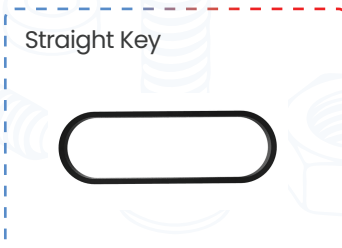
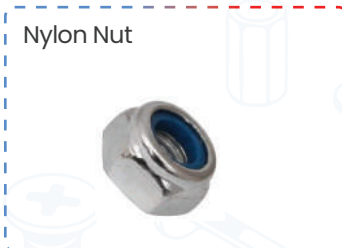
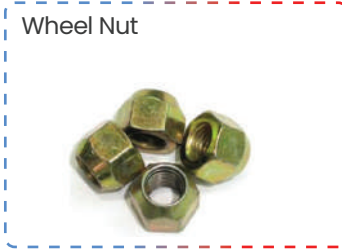







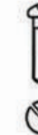


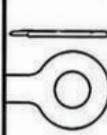













































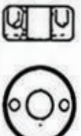



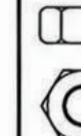















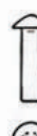


















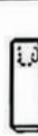


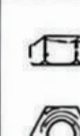



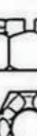

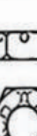

Tapper Pin & Straight Pin




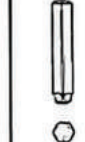











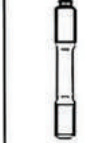



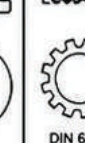
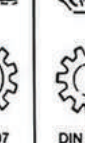
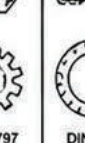
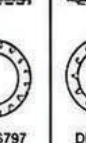
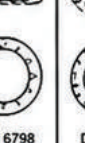









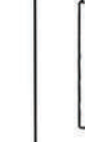







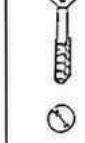
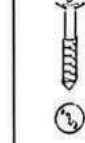











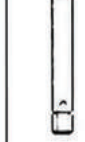













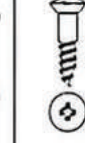










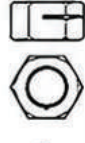






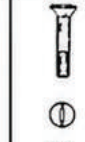








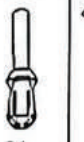


Security Screw

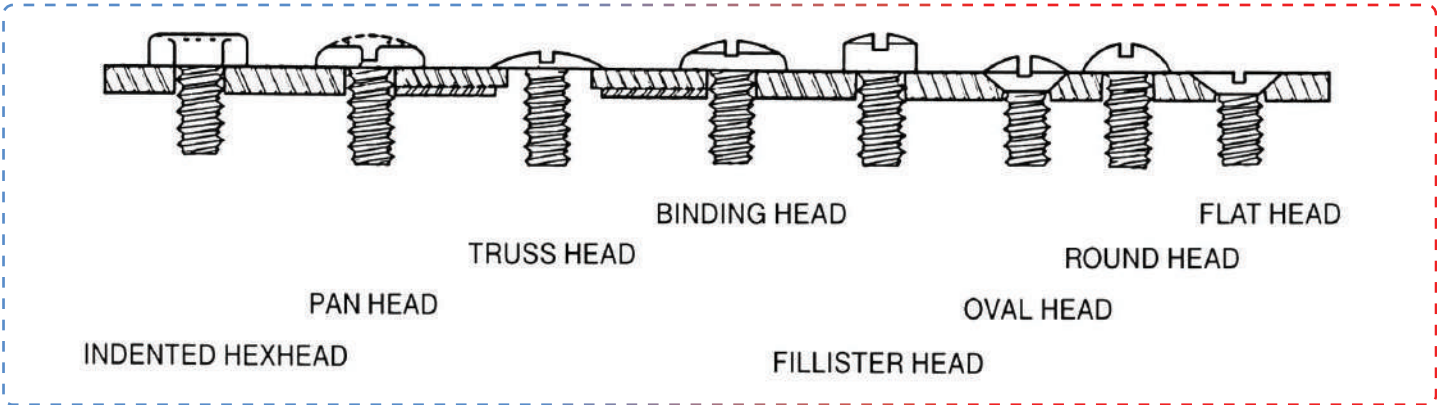




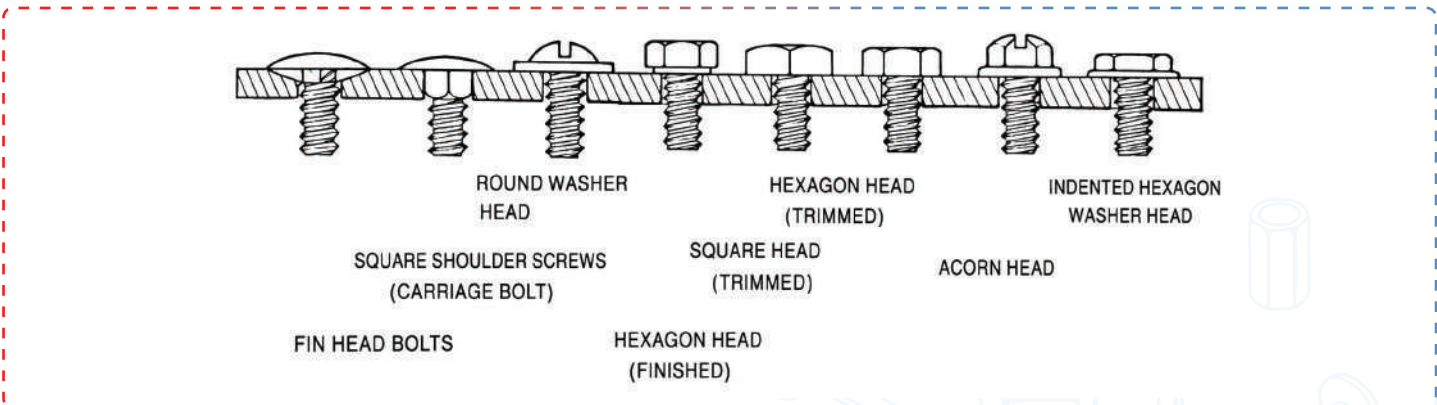
												
												
												
												
												
												
												
												

 DIN 1440	 DIN 1441	 DIN -7	 DIN 997	 DIN 1473	 DIN 1474	 DIN 1475	 DIN 1476	 DIN 1477	 DIN 1479	 DIN 1481	 DIN 1543	 DIN 1544	
 DIN 2093	 DIN 2098	 DIN 2203	 DIN 6335	 DIN 55525	 DIN 9400	 DIN 6797 AZ	 DIN 6797 J	 DIN 6797 AZ	 DIN 6798 Z	 DIN 6798 J	 DIN 6799	 DIN 6932	
 DIN 6793	 DIN 982	 DIN 985	 DIN 431	 DIN 988	 DIN 89	 DIN 7 p. A.	 DIN 7 p. B.	 DIN 7344	 DIN 7980	 DIN 7973 A	 DIN 7973 B	 DIN 7976 C	
 DIN 79711	 DIN 7971 E	 DIN 7972	 DIN 7973	 DIN 7984	 DIN 7985	 DIN 7987	 DIN 7987	 DIN 7991	 DIN 7992	 DIN 7996	 DIN 7997	 DIN 7998	
 DIN 7999	 DIN 79 B	 DIN 7976	 DIN 7977	 DIN 7982	 DIN 7983	 DIN 7989	 DIN 7989 A	 DIN 7989 C	 DIN 7989 E(A)	 DIN 7989 E(B)	 DIN 7990	 DIN 7984	
 DIN 7966	 DIN 7988	 DIN 7986	 DIN 7987	 DIN 7987	 DIN 7977	 DIN 6885	 DIN 125	 DIN 125 A	 DIN 125/1B				
<b>SOME OTHER NON STANDARD FASTENERS</b>										 1	 2	 3	 4
										 5	 6	 7	 8
 19	 20	 21	 22	 23	 24	 25	 27	 28	 29	 30	 31	 32	

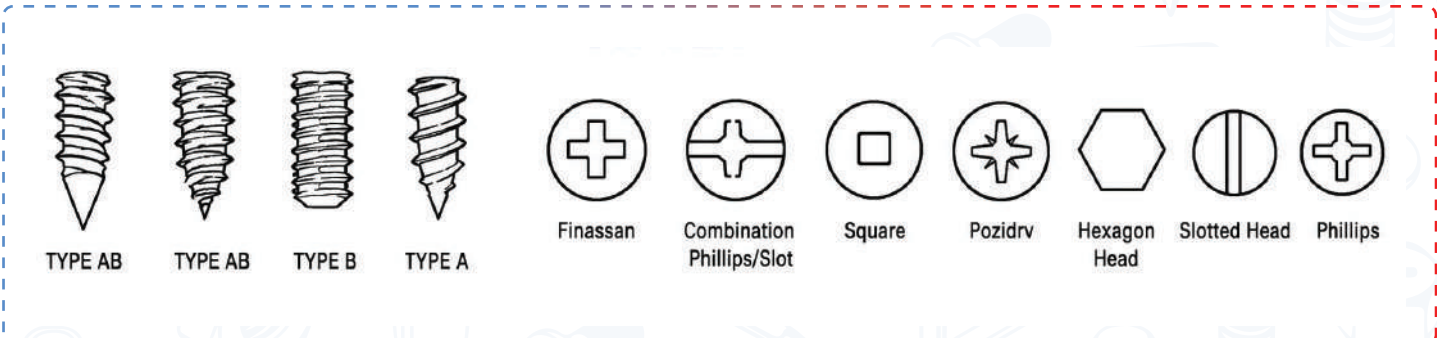
# ALL KINDS OF SCREWS



## HEAD STYLES



## SCREW THREAD AND DRIVERS



## GRADE MARKINGS

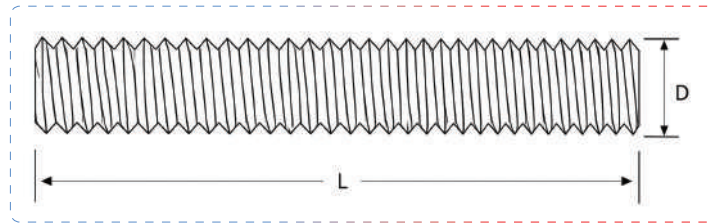
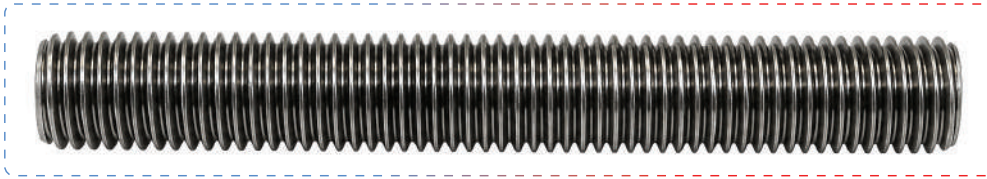
	GR.2	GR.5	GR.8	
INCH				
METRIC	4.6	8.8	10.9	12.9

# FULLY THREADED ROD

Length Available: 1, 2 & 3 Mtr.

Available In: 1 Electro Galv, Hotdip Galv, Stainless Steel

Grade: ASTM A-36, S.S. 304, S.S. 316

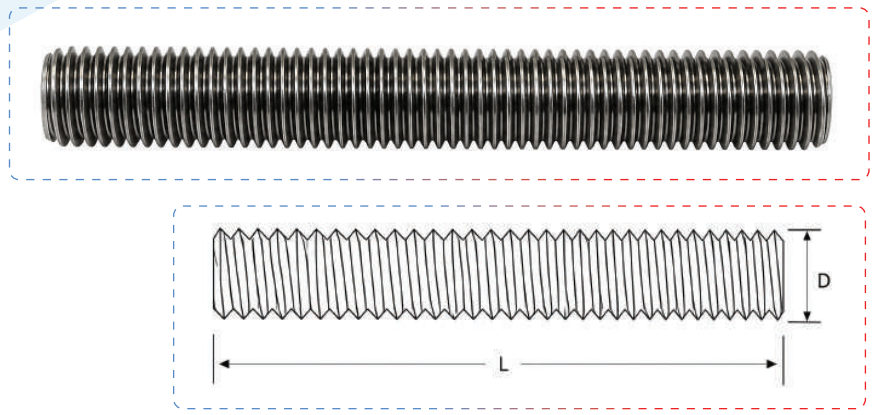


MM	Pitch
06	1.00
08	1.25
10	1.50
12	1.75
14	2.00
16	2.00
18	2.50
20	2.50
22	3.00
24	3.00
27	3.00
30	3.50
33	3.50
36	4.00
39	4.00
42	4.50
45	4.50
48	5.00
52	5.00

MM	Pitch
1/4"	20
5/16"	18
3/8"	16
1/2"	13
5/8"	11
3/4"	10
7/8"	9
1"	8
1-1/8"	7
1-1/4"	7
1-1/2"	6
1-3/4"	5
2"	4

# STUD BOLTS

## ASTM A 193 B7



### Note:

1. The stud bolts will generally conform to ASTM A193 Gr: B7, B7M, B16 & L-7, B8, B8M.
2. Threads will conform to Class 2A of unified coarse threads as per ANSI B1.1.
3. Material: Medium carbon chromium molybdenum steel. CR-Mo alloy steel (Cr-Mo).
4. Heat treatment: As per grade "B7".
5. All dimensions are in inches.

### STUD BOLTS ASTM A 193 B7

Inch Series, UNC/UN-Dimensions

Nominal Thread Size 'D'	TPI		Length 'L'	Nominal Thread Size 'D'	TPI		Length 'L'
	UNC	UN			UNC	UN	
1/2"	13	-	up to 230"	2-3/8"	-	8	up to 50"
5/8"	11	-	up to 230"	2-1/2"	-	8	up to 60"
3/4"	10	-	up to 230"	2-5/8"	-	8	up to 60"
7/8"	9	-	up to 230"	2-3/4"	-	8	up to 60"
1"	8	-	up to 120"	2-7/8"	-	8	up to 60"
1-1/8"	-	8	up to 120"	3"	-	8	up to 48"
1-1/4"		8	up to 120"	3-1/8"	-	8	up to 48"
1-3/8"		8	up to 120"	3-1/4"	-	8	up to 48"
1-1/2"		8	up to 120"	3-3/8"	-	8	up to 48"
1-5/8"		8	up to 120"	3-1/2"	-	8	up to 48"
1-3/4"		8	up to 120"	3-5/8"	-	8	up to 48"
1-7/8"		8	up to 120"	3-3/4"	-	8	up to 48"
2"		8	up to 120"	3-7/8"	-	8	up to 48"
2-1/8"		8	up to 60"	4"	-	8	up to 48"
2-1/4"		8	up to 60"				

- Length also available in 3.66 MTRS each sizes.
- Longer length other than specified could be supplied against special order.

# STUD BOLTS

## ASTM A 193 GR. B7 & B16



Inch Series, UNC/UN-Dimensions

PHYSICAL PROPERTIES		DIAMETER RANGE	GRADE "B7"	GRADE "B16"
Tensile Strength (Min.)	Rm N/mm <sup>2</sup>	1/2" to 2-1/2" dia	125,000 (860)	125,000 (860)
		2-5/8" to 4" dia	115,000 (795)	110,000 (760)
Yield Strength (Min.)	Re N/mm <sup>2</sup>	1/2" to 2-1/2" dia	105,000 (725)	105,000 (725)
		2-5/8" to 4" dia	95,000 (655)	95,000 (655)
Elongation in 50.8 mm (Min.)	%	2-1/2" dia and under	16%	18%
		2-1/2" dia and over	18%	18%
Reduction of Area (Min.)	%	2-1/2" dia and under	50%	50%
		2-1/2" dia and over	40%	45%
Hardness	HB	—	35 HRC Max	35 HRC Max

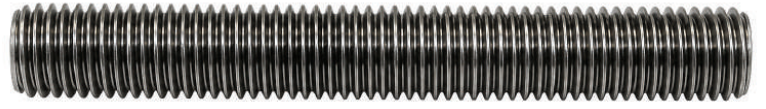
### Recommended Tightening Torques and Induced Loads

NORMAL THREAD SIZE-D	STRESS AREA (in <sup>2</sup> )	GRADE "B7 & B16"		NORMAL THREAD SIZE-D	STRESS AREA (mm <sup>2</sup> )	GRADE "B7 & B16"	
		UNLUBRICATED FINISH	INDUCED LOAD			UNLUBRICATED FINISH	INDUCED LOAD
1/2"-13NC	0.142	84.89	14,877	1-7/8"	2.419	7,553.47	177,135
5/8"-11NC	0.226	172.89	19,311	2"	2.770	8,716.50	203,355
3/4"-10NC	0.334	376.86	24,597	2-1/4"	3.560	9,812.25	261,650
7/8"-9NC	0.462	475.21	33,757	2-1/2"	4.490	13,597.50	33,757
1"-8NC	0.606	742.53	44,541	2-3/4"	5.430	16,550.19	361,095
1-1/8"-8	0.763	1,088.72	58,366	3"	6.531	21,445.75	432,915
1-1/4"-8	0.969	1,531.26	73,530	3-1/4"	7.659	27,700.02	511,385
1-3/8"-8	1.155	2,072.82	90,625	3-1/2"	8.860	34,757.33	575,840
1-1/2"-8	1.405	2,741.55	109,642	3-3/4"	10.340	42,975.63	687,610
1-5/8"-8	1.760	3,543.11	3,543.11	4"	11.810	52,357.47	785,155
1-3/4"-8	0.142	4,590.00	152,180				

### Note:

1. The tightening torques are calculated to induce stress equal to approximately 70% of Yield Stress.
2. The tightening torques lubricated finish is 75% of the values stated for unlubricated finish.

# STUDS BOLT - ASTM A 193 GR. B7M



Inch Series, UNC/UN

PHYSICAL PROPERTIES		DIAMETER RANGE	GRADE "B7"
Tensile Strength (Min.)	Psi (N/mm <sup>2</sup> )	7" and under	100,000 (690)
Yield Strength (Min.)	Psi (N/mm <sup>2</sup> )	4" and under	80,000 (550)
		Over 4" to 7"	75,000 (515)
Elongation on GL = 4D (Min.)	%	7" and under	16%
Reduction of Area (Min.)	%	7" and under	50%
Hardness	HRC	All Sizes	HB93 – HB99

## Recommended Tightening Torques and Induced Loads

NORMAL THREAD SIZE-D	STRESS AREA (in <sup>2</sup> )	GRADE "B7 & B16"		NORMAL THREAD SIZE-D	STRESS AREA (mm <sup>2</sup> )	GRADE "B7 & B16"	
		UNLUBRICATED FINISH	INDUCED LOAD			UNLUBRICATED FINISH	INDUCED LOAD
1/2"-13UNC	0.142	66.27	7.952	1-7/8"	2.410	4,217.50	134.960
5/8"-11UNC	0.226	131.83	12.656	2"	2.770	5,170.66	155.120
3/4"-10UNC	0.334	233.60	18.704	2-1/4"	3.560	7,476.00	199.360
7/8"-9UNC	0.462	377.30	25.872	2-1/2"	4.440	10,350.00	248.640
1"-8UNC	0.606	565.60	33.936	2-3/4"	5.430	13,937.00	304.080
1-1/8"	0.790	829.50	44.240	3"	6.510	18,228.00	364.560
1-1/4"	1.000	1,166.66	56.000	3-1/4"	7.690	23,326.33	430.640
1-3/8"	1.233	1,582.35	69.048	3-1/2"	8.960	29,269.33	501.760
1-1/2"	1.492	2,088.80	83.552	3-3/4"	10.340	35,190.00	579.040
1-5/8"	1.780	2,699.66	99.680	4"	11.810	44,090.67	661.360
1-3/4"	2.080	3,397.33	116.480				

### Note:

1. The tightening torques are calculated to induce stress equal to approximately 70% of Yield Stress.
2. The tightening torques lubricated finish is 75% of the values stated for unlubricated finish.

# STUDS BOLT - ASTM A 320 GR. L7

Inch Series, UNC/UN



PHYSICAL PROPERTIES		DIAMETER RANGE	GRADE "B7"
Tensile Strength (Min.)	Psi (N/mm <sup>2</sup> )	2-1/2" and under	125,000 (860)
Yield Strength (Min.)	Psi (N/mm <sup>2</sup> )	2-1/2" and under	105,000 (720)
Elongation on GL = 4D (Min.)	%	2-1/2" and under	16%
Reduction of Area (Min.)	%	2-1/2" and under	50%

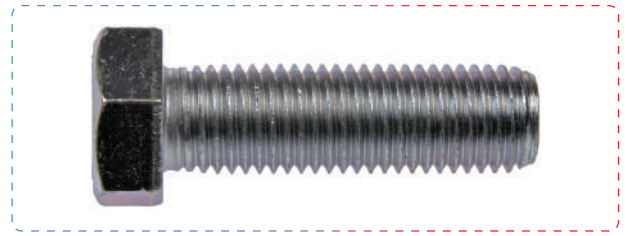
SIZE OF SPECIMEN (mm)	MINIMUM IMPACT VALUE REQUIRED FOR AVERAGE OF EACH SET OF THREE SPECIMEN		MINIMUM IMPACT VALUE REQUIRED FOR ONE SPECIMEN	
	(FT-LBF)	(J)	(FT-LBF)	(J)
10 × 10	20	27	15	20
10 × 7.50	16	22	12	16

NORMAL THREAD SIZE-D	STRESS AREA (in <sup>2</sup> )	GRADE "B7 & B16"		NORMAL THREAD SIZE-D	STRESS AREA (mm <sup>2</sup> )	GRADE "B7 & B16"	
		UNLUBRICANT FINISH	INDUCED FINISH			UNLUBRICANT FINISH	INDUCED FINISH
1/2"-13UNC	0.142	86.98	10.437	1-1/2"-8UN	1.492	2,741.55	109.662
5/8"-11UNC	0.226	173.03	16.611	1-5/8"-8UN	1.780	3,543.31	130.830
3/4"-10UNC	0.334	306.86	24.549	1-3/4"-8UN	2.080	4,459.00	152.880
7/8"-9UNC	0.462	495.21	33.957	1-7/8"	2.410	5,535.47	177.135
1"-8UNC	0.606	742.35	44.541	2"	2.770	6,786.50	203.595
1-1/8"-8UN	0.790	1,088.72	58.065	2-1/4"	3.560	9,812.25	261.660
1-1/4"-8UN	1.000	1,531.25	73.500	2-1/2"	4.440	13,597.50	326.340
1-3/8"-8UN	1.233	2,076.82	90.625				

## Note:

1. The tightening torques are calculated to induce stress equal to approximately 70% of Yield Stress.
2. The tightening torques lubricated finish is 75% of the values stated for unlubricated finish.

# HEX HEAD SCREW FULL THREAD DIN 933

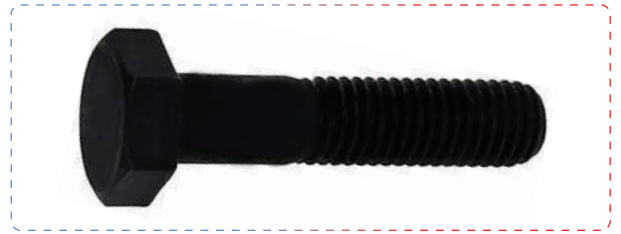


L	M05	M06	M08	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45
M 08																		
M 10																		
M 12																		
M 16																		
M 20																		
M 25																		
M 30																		
M 35																		
M 40																		
M 45																		
M 50																		
M 55																		
M 60																		
M 65																		
M 70																		
M 75																		
M 80																		
M 90																		
M 100																		
M 110																		
M 120																		
M 125																		
M 130																		
M 140																		
M 150																		
M 160																		
M 170																		
M 175																		
M 180																		
M 190																		
M 200																		

**Available In:** Electro Galv, Yellow Passivision, Black, Hotdip Galv

**Grade:** 4.8, 5.8, 6.8, 8.8, A307 A Stainless Steel, Brass & Silicone Bronze

# HEX HEAD SCREW FULL THREAD DIN 933



L	M05	M06	M08	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45
M 20																		
M 25																		
M 32																		
M 35																		
M 40																		
M 45																		
M 50																		
M 55																		
M 60																		
M 65																		
M 70																		
M 75																		
M 80																		
M 90																		
M 100																		
M 110																		
M 120																		
M 125																		
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M 170																		
M 175																		
M 190																		
M 195																		
M 200																		
M 225																		
M 250																		
M 275																		
M 300																		
M 350																		
M 400																		

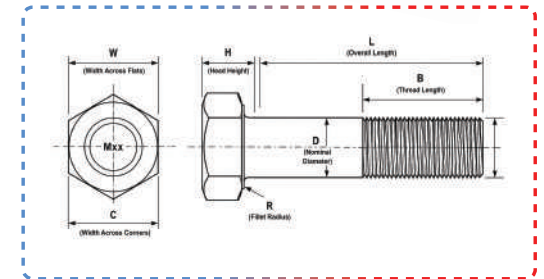
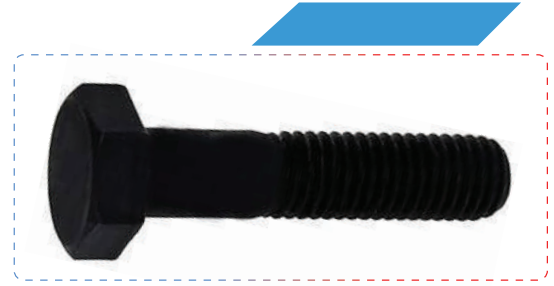
Available In: Electro Galv, Yellow Passivision, Black, Hotdip Galv

Grade: 4.8, 5.8, 6.8, 8.8, 10.9, A307 A

# HEXAGON HEAD BOLT / SCREW DIN 931

## Note:

1. The bolts will generally conform to ISO 4014, ISO 4017 and DIN 931/933.
2. Threads will conform to class 6g of ISO 965/2, Coarse Series.
3. Material: EN8 grade carbon alloy steel.
4. Heat Treatment: Property Class 8.8 or 10.9.
5. Thread Length: LT1 for  $L \leq 125$ , LT2 for  $L > 125$  to 200, LT3 for  $L > 200$
6. Screw length equal to or shorter than those listed in column "LT1" will be fully threaded.
7. All dimensions are in millimeters.

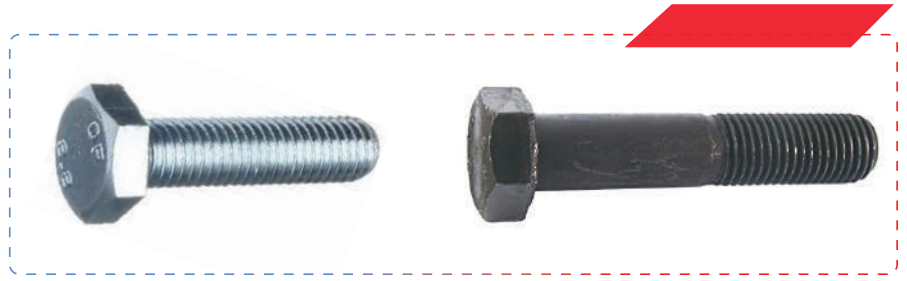


## METRIC SERIES – DIMENSIONS

NORMAL THREAD SIZE-D	PITCH	W MAX.	C MIN.	B NOM.	H NOM.	R MIN.	LENGTH OF THREAD				LENGTH OF RANGE "L"
							LT1	LT2	LT3	LT4	
M6	1.0	10.0	11.05	6.0	4.0	0.25	18	24	-	18	10-150
M8	1.25	13.0	14.99	8.0	5.3	0.4	22	28	-	22	12-150
M10	1.5	17.0-18.0	18.97-17.89	13.0	6.4	0.4	26	32	45	26	12-150
M12	1.75	19.0-18.0	21.90-20.82	12.0	7.5	0.6	30	36	49	30	15-150
M14	2.0	22.0-21.0	24.37-23.25	14.0	8.8	0.6	34	40	53	34	15-200
M16	2.0	24.0	26.75	16.0	10.0	0.6	38	44	57	34	15-200
M18	2.5	27.0	30.14	18.0	11.5	0.6	42	48	61	42	15-200
M20	2.5	30.0	33.53	20.0	12.5	0.8	46	52	65	46	15-400
M22	2.5	32.0-34.0	35.72-37.72	22.0	14.0	0.8	50	56	69	50	20-400
M24	3.0	36.0	39.98	24.0	15.0	0.8	54	60	73	54	20-500
M27	3.0	41.0	45.20	27.0	17.0	1.0	60	66	79	60	25-500
M30	3.5	46.0	50.85	30.0	18.7	1.0	66	72	85	66	25-600
M33	3.5	50.0	55.37	33.0	21.0	1.0	72	78	91	72	25-500
M36	4.0	55.0	60.79	36.0	22.5	1.0	78	84	97	78	30-500
M39	4.0	60.0	66.44	39.0	25.0	1.0	84	90	103	84	30-500
M42	4.5	65.0	72.02	42.0	26.0	1.2	90	96	109	90	30-500

1. Dimensions in accordance with revised standards are in the process of being implemented.
2. Also can be supplied in 4.8, 5.6, 6.8, 8.8, 10.9.

# HEXAGON HEAD BOLT/SCREW DIN 931/933



PROPERTY CLASS	5.8	6.8	8.8 ( $\leq$ M16)		10.9
DIAMETER	All Diameters	All Diameters	< M16	> M16	All Diameters
UNIT	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>
TENSILE STRENGTH (MIN.)	520	600	800	800	1040
YIELD STRENGTH 0.2 % OFFSET (MIN.)	420	480	640	640	940
PROOF LOAD STRESS	380	440	580	580	830
SHEAR STRENGTH (MIN.)	300	360	480	480	624
HARDNESS ROCKWELL HR	B82-B99.5	B89-B99.5	C22-C23	C22-C23	C37-C39
ELONGATION % ON G1 5.65 A (MIN.)	10	8	12		9

## Recommended Tightening Torques and Induced Loads

NORMAL THREAD SIZE-D	STRESS AREA (mm <sup>2</sup> )	5.8		6.8		8.8		10.9	
		TORQUE (Nm)	INDUCED LOAD(N)	TORQUE (Nm)	INDUCED LOAD(N)	TORQUE (Nm)	INDUCED LOAD(N)	TORQUE (Nm)	INDUCED LOAD(N)
M6	20.1	6.42	M6	M6	M6	M6	M6	M6	M6
M8	36.6	15.57	M8	M8	M8	M8	M8	M8	M8
M10	58.0	30.85	M10	M10	M10	M10	M10	M10	M10
M12	84.3	53.82	M12	M12	M12	M12	M12	M12	M12
M14	115.0	85.65	M14	M14	M14	M14	M14	M14	M14
M16	157.0	133.64	M16	M16	M16	M16	M16	M16	M16
M18	192.0	183.86	M18	M18	M18	M18	M18	M18	M18
M20	245.0	268.68	M20	M20	M20	M20	M20	M20	M20
M22	303.0	354.63	M22	M22	M22	M22	M22	M22	M22
M24	353.0	450.24	M24	M24	M24	M24	M24	M24	M24
M27	459.0	657.77	M27	M27	M27	M27	M27	M27	M27
M30	561.0	894.60	M30	M30	M30	M30	M30	M30	M30
M33	694.0	1,219.68	M33	M33	M33	M33	M33	M33	M33
M36	817.0	1,567.40	M36	M36	M36	M36	M36	M36	M36
M39	976.0	2,025.66	M39	M39	M39	M39	M39	M39	M39
M42	1120.0	2,502.53	M42	M42	M42	M42	M42	M42	M42

### Note:

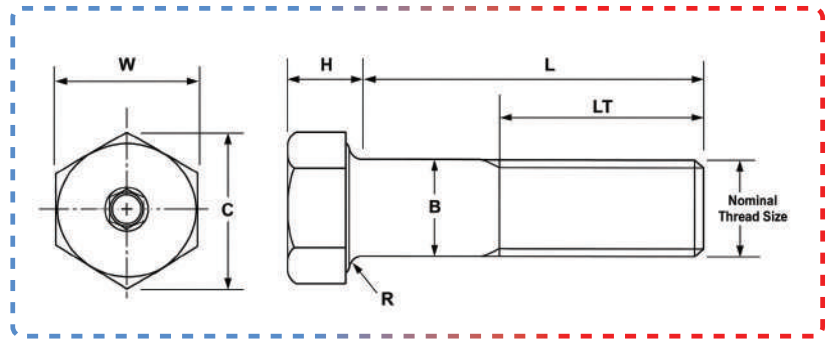
- The tightening torques are calculated to induce approximate stresses as detailed below:
- 266 N/mm<sup>2</sup> for Property Class 5.8
- 308 N/mm<sup>2</sup> for Property Class 6.8
- 448 N/mm<sup>2</sup> for Property Class 8.8 dia < M16
- 462 N/mm<sup>2</sup> for Property Class 8.8 dia > M16
- 658 N/mm<sup>2</sup> for Property Class 10.9

# HEAVY HEX HEAD BOLT UNC THREAD A307B



LENGTH	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/7"
1"								
1-1/4"								
1-1/2"								
1-3/4"								
2"								
2-1/4"								
2-1/2"								
2-3/4"								
3"								
3-1/4"								
3-1/2"								
3-3/4"								
4"								
4-1/4"								
4-1/2"								
5"								
6"								
7"								
8"								
9"								
10"								
11"								
12"								
14"								
16"								

# HEAVY HEX BOLT/SCREWS ASTM A307, Gr.B

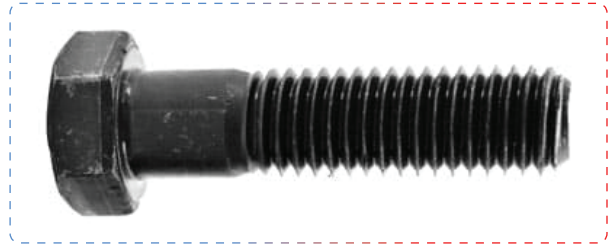


NOMINAL THREAD SIZE	TPI UNC	W MAX.	C MAX.	B MAX.	H NOM.	R MIN.	LENGTH OF THREAD		LFT	LENGTH RANGE
							L < 6"	L ≥ 6"		
1/2"	13	0.875	1.010	0.515	11/32"	0.01	1.25	1.50	1.500	3/4" - 8"
5/8"	11	1.062	1.227	0.642	27/64"	0.02	1.50	1.75	1.750	1" - 8"
3/4"	10	1.250	1.443	0.768	1/2"	0.02	1.75	2.00	2.000	1-1/2" - 8"
7/8"	9	1.438	1.660	0.895	37/64"	0.02	2.00	2.25	2.250	1-1/2" - 8"
1"	8	1.625	1.876	1.022	43/64"	0.03	2.25	2.50	2.500	1-1/2" - 8"
1-1/8"	8UN	1.812	2.093	1.149	3/4"	0.03	2.50	2.75	2.750	2" - 8"
1-1/4"	8UN	2.000	2.309	1.277	27/32"	0.03	2.75	3.00	3.000	2" - 8"
1-3/8"	8UN	2.188	2.526	1.404	29/32"	0.03	3.00	3.25	3.250	2-1/2" - 8"
1-1/2"	8UN	2.375	2.742	1.531	1"	0.03	3.25	3.50	3.500	2-1/2" - 8"

## Note:

1. The bolt will generally conform to ANSI/ASME B18.21 Heavy Hex Bolts.
2. Thread will conform to Class 2A of ANSI B1.1 Coarse Series.
3. Material: Low Carbon Steel.
4. Bolt lengths equal to or shorter than those listed in column/LFT will be fully threaded.
5. All dimensions are in inches.

# HEAVY HEX STRUCTURAL BOLTS - ASTM A325M



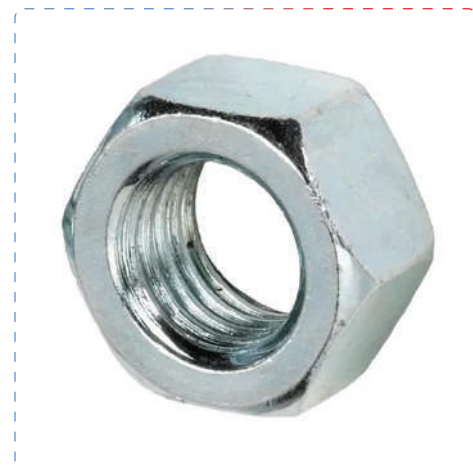
NOMINAL THREAD SIZE	M 12	M16	M20	M22	M24	M27	M30
30							
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
90							
100							
110							
115							
120							
125							
130							
140							
150							
160							

# HEXAGON NUTS ISO 934/DIN 555

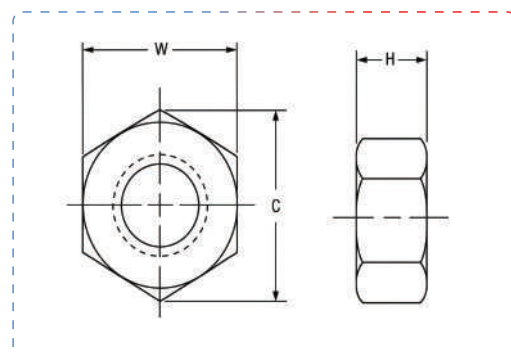
## Metric Series

### Note:

1. The nut will generally conform to DIN 934, DIN 555 & BS 3692
2. Threads will conform to class 6H of DIN - 13 Coarse Series
3. Heat Treatment to achieve mechanical properties of Property Class 8 to 10
4. Nuts of Property Class 8 are used with bolts of Property Class 8.8
5. Nuts of Property Class 10 are used with bolts of Property Class 10.9
6. (In general nuts of a higher property class can replace nuts of a lower property class in a joint).
7. In Bolt/Nut assembly tightening should be done by rotation of nuts.
8. All dimensions are in millimeters.



Thread Size	TPI UNC / UNF	W Max.	C Max.	H Nom.
M 6	1.00	10.00	11.05	5.00
M 8	1.25	13.00	14.38	6.50
M 10	1.50	17.00	18.90	8.00
M 12	1.75	19.00	21.08	10.00
M 14	2.00	22.00	24.49	11.00
M 16	2.00	24.00	26.75	13.00
M 18	2.50	27.00	29.56	15.00
M 20	2.50	30.00	32.95	16.00
M 22	2.50	32.00	35.03	18.00
M 24	3.00	36.00	39.55	19.00
M 27	3.00	41.00	45.20	22.00
M 30	3.50	46.00	50.85	24.00
M 33	3.50	50.00	55.37	26.00
M 36	4.00	55.00	60.79	29.00
M 39	4.00	60.00	66.44	31.00
M 42	4.50	65.00	71.30	34.00



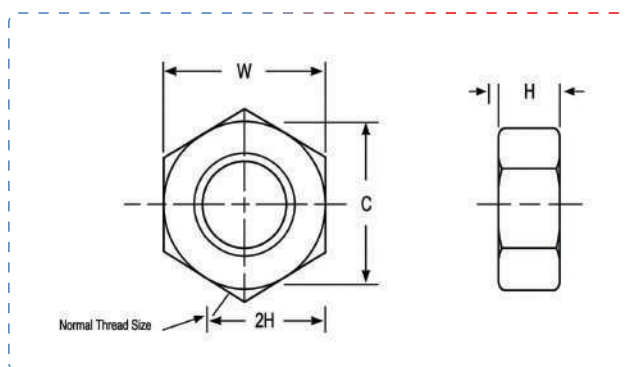
## Physical Properties

NUT SIZE	Property Class 5		Property Class 6		Property Class 8		Property Class 10		Property Class 12	
	Proof Load Stress	Hard Load Max.	Proof Load Stress	Hard Load Max.	Proof Load Stress	Hard Load Max.	Proof Load Stress	Hard Load Max.	Proof Load Stress	Hard Load Max.
	N/mm <sup>2</sup>	[ HR ]	N/mm <sup>2</sup>	[ HR ]	N/mm <sup>2</sup>	[ HR ]	N/mm <sup>2</sup>	[ HR ]	N/mm <sup>2</sup>	[ HR ]
M 6-M 42	500	C 30	600	C 30	800	C 30	1000	C 36	1200	C 36
For use with bolt of Property Class	4.6, 4.8, 5.6, 5.8		4.6, 5.6, 5.8, 6.8		4.6, 4.8, 5.6, 5.8, 6.8 and 8.8		8.8 and 10.9		10.9 and 12.9	

# HEAVY HEXAGON NUTS ASTM A-194 GR 2H, 4 & 7

## Note:

1. The nut will generally conform ANSI/ASME B 18.2.2 heavy hex nuts.
2. Threads will conform to class 2B of ANSI B1.1.
3. Material and heat treatment : To achieve mechanical properties of grade 2H, 4 and 7 which conform the requirements of ASTM A194.
4. In bolts/nut assembly, tightening should be done by rotation of nut. Torque values as recommended in tables for bolts.
5. All dimensions are in inches.



## Inch Series, UNC/UNF - Dimensions

Thread Size	PTI UNC /UN	W Max.	C Max.	H Nom.
1/2"	13	0.875"	1.010"	0.454"
9/16"	12	0.938"	1.083"	0.547"
5/8"	11	1.062"	1.229"	0.629"
3/4"	10	1.250"	1.443"	0.736"
7/8"	9	1.438"	1.660"	0.857"
1"	8	1.625"	1.875"	0.938"
1-1/8"	8	1.812"	2.093"	1.000"
1-1/4"	8	2.000"	2.309"	1.125"
1-3/8"	8	2.188"	2.526"	1.344"
1-1/2"	8	2.375"	2.742"	1.406"
1-5/8"	8	2.562"	2.959"	1.596"
1-3/4"	8	2.750"	3.175"	1.719"
1-7/8"	8	2.938"	3.392"	1.844"
2"	8	3.125"	3.608"	1.969"
2-1/4"	8	3.500"	4.041"	2.203"
2-1/2"	8	3.875"	4.474"	2.453"
2-3/4"	8	4.250"	4.907"	2.703"
3"	8	4.625"	5.340"	2.953"
3-1/4"	8	5.000"	5.774"	3.188"
3-1/2"	8	5.375"	6.207"	3.438"

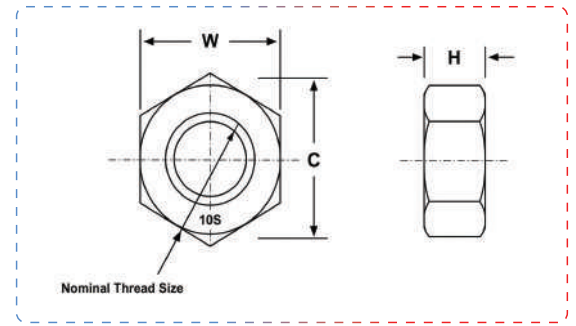
Available In: Electro Galv, Black, Hotdip Galv.

# HEAVY HEX BOLT/SCREWS

## ASTM A307, Gr.B

### Note:

1. The nut will generally conform to ANSI B18.2.4.6M metric heavy hex nuts.
2. Threads will conform to Class 6H of ANSI B1.1.13M for coarse series. Material & heat treatment.
3. To achieve mechanical properties of Property Class 8S or 10S of ASTM A563M.
4. Nuts of Property Class 8S are used with bolts of ASTM A325M Type 1 and 2 (non-coated).  
Nuts of Property Class 10S are used with bolts of ASTM A325M Type 1 and 2 (zinc-coated).  
(In general, nuts of a higher property class can replace nuts of a lower property class in a joint.)
5. In bolts/nuts assembly, tightening should be done by rotation of nuts.
6. Sizes in brackets are non-preferred standards.
7. All dimensions are in millimeters.



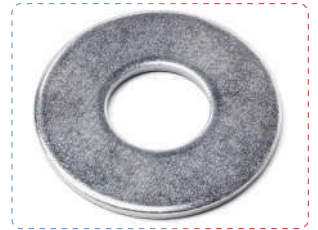
### Dimensions

THREAD SIZE	PITCH	W MAX.	C MAX.	H NOM.
M12	1.75	21.00	24.25	12.10
M14	2.00	24.00	27.71	13.95
M16	2.00	27.00	31.18	16.75
M20	2.50	34.00	39.26	20.05
M22	2.50	36.00	41.57	22.95
M24	3.00	41.00	47.34	23.55
M27	3.00	46.00	53.12	26.95
M30	3.50	50.00	57.74	29.90
M33	3.50	56.00	65.00	32.90
M36	4.00	61.00	71.00	35.90
M39	4.00	66.00	77.00	38.90
M42	4.50	71.00	83.00	41.90
M45	4.50	76.00	89.00	44.90
M48	5.00	82.00	95.00	42.90

# PLAT WASHER DIN 125 / DIN 126

M5	M6	M8	M10	M12	M14	M16	M18	M20	M22
M24	M27	M30	M33	M36		M39	M42	M45	M48
M52	M56	M60	M60			M70	M75		M80

**Available In:** Black, Electro Galv, Yellow, Hotdip Galv, SS 304, SS 316, Brass, Silicon Bronze



## FENDER WASHER

M6	M8	M10	M12	M16	M20	M24
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**Available In:** Black, Electro Galv, Yellow, Hotdip Galv, SS 304, SS 316.



## FLAT WASHER F-436

M12	M16	M20	M22	M24	M27	M30
M33	M36	M39	M42	M45	M48	M52

**Available In:** Black, Electro Galv, Hotdip Galv.



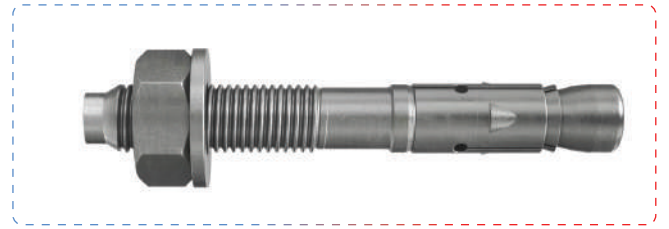
## SPRING WASHER DIN 127

M6	M8	M10	M12	M14	M16	M18	M20
M22	M24	M27	M30	M33	M36	M39	M42
M45	M48	M52					

**Available In:** Black, Electro Galv, Yellow Passivation, Hotdip Galv, SS 304, SS 316, & Brass.

# STUD ANCHOR

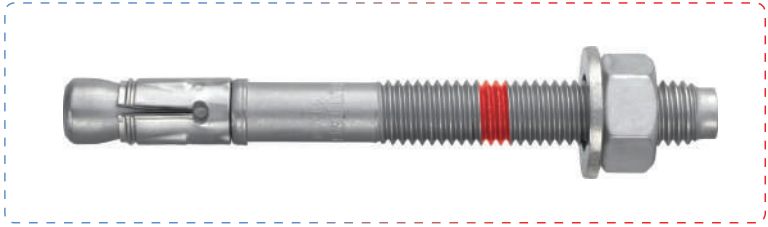
High-strength stud anchors for secure concrete fastening.



LENGTH	M06	M08	M10	M12	M16	M20	M24
M40							
M45							
M50							
M60							
M70							
M80							
M90							
M100							
M110							
M120							
M130							
M140							
M150							
M160							
M170							
M180							
M190							
M200							
M210							
M220							
M230							
M240							
M250							
M275							
M300							

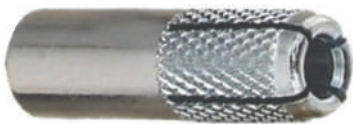
# SLEEVE ANCHOR

Reliable sleeve anchors for strong and secure wall fastening.



LENGTH	M06	M08	M10	M12	M16	M20
M40						
M45						
M50						
M60						
M70						
M80						
M90						
M100						
M110						
M120						
M130						
M140						
M140						

Available In: SS 304, Yellow



## DROP IN ANCHOR

MM 06	✓
MM 08	✓
MM 10	✓
MM 12	✓
MM 16	✓
MM 20	✓

Available In: SS 304, Yellow



## EXPANSION ANCHOR

MM 06	✓
MM 08	✓
MM 10	✓
MM 12	✓
MM 16	✓
MM 20	✓

Available In: SS 304, Yellow

Rockwell "C" scale	Brinell hardness number	Approx tensile strength		Rockwell "C" scale	Rockwell "B" scale	Brinell hardness number	Approx tensile strength	
		MPa	KSI				MPa	KSI
56	651	2300	336	34		318	1030	150
55	624	2200	326	33		309	1010	147
55	615	2200	319	32		301	950	142
56	695	2140	310	31		294	960	139
56	577	2080	301	30		285	940	136
55	560	2010	290	29		279	910	132
54	543	1850	283	28		272	890	129
53	524	1890	274	27		265	870	126
52	512	1830	265	26		259	850	123
51	500	1770	257	25		253	830	120
50	488	1720	249	24		247	810	118
49	476	1660	241	23		241	790	115
48	464	1610	233	22	100	235	770	112
47	453	1550	225	21	99	230	760	110
46	442	1510	219	20	98	225	740	107
45	430	1460	212	(19)		220	720	104
44	418	1420	206	(18)		215	710	103
43	408	1380	200	(17)	97	210	700	102
42	366	1340	194	(16)	96	206	690	100
41	387	1300	188	(15)		201	680	99
40	377	1250	181	(14)	95	197	670	97
39	367	1210	176	(13)	94	193	660	96
38	357	1170	170	(12)	93	190	640	93
37	347	1140	165	(11)		186	630	91
36	337	1100	160	(10)	92	183	620	90
35	327	1070	155	(8)	90	179	600	87

Values in ( ) are beyond the normal range and are given for information only

## SI UNITS & CONVERSION FOR CHARACTERISTICS OF MECHANICAL FASTENERS

Property	Unit	Symbol	Conversion			Approximate Equivalent
			From	To	Multiply By	
Length	metre centimetre millimetre	m cm mm	inch inch foot	mm cm mm	25.4 2.54 304.8	25mm = 1in. 300mm = 1ft. 1m = 39.37in
mass	kilogram gram tonne (megagram)	kg g t	ounce pound ton (2240 lb.)	g kg kg	28.35 0.4536 907.2	28g = 1 oz 1kg = 2.2 lb = 35oz 1t = 2200lbs
density	kilogram per cubic metre	kg/m <sup>3</sup>	pounds per cu. ft	kg/m <sup>3</sup>	16.02	16 kg/m <sup>3</sup> = 1 lb/ft <sup>3</sup>
temperature	deg Celsius	°C	deg Fahr.	°C	(°F-32) × 5/9	°C × 32°F 100°C = 212°F
area	square metre square millimetre	m <sup>2</sup> mm <sup>2</sup>	sq inch sq ft	mm <sup>2</sup> m <sup>2</sup>	645.2 0.0929	645 mm <sup>2</sup> = 1 in <sup>2</sup> 1m <sup>2</sup> = 11ft <sup>2</sup>
volume	cubic metre cubic centimetre cubic millimetre	m <sup>3</sup> cm <sup>3</sup> mm <sup>3</sup>	cu in cu ft cu yd	mm <sup>3</sup> m <sup>3</sup> m <sup>3</sup>	16387 0.02832 0.7645	16400mm <sup>3</sup> = 1 in <sup>3</sup> 1 m <sup>3</sup> = 35 ft <sup>3</sup> 1 m <sup>3</sup> = 1.30 yd <sup>3</sup>
force	newton kilonewton meganewton	N kN MN	ounce(force) pound(force) kg	N kN MN	0.278 0.00445 0.00445	1 N = 3 ozf 1 kN = 1 lbf 1 kN = 225 lbf
stress	megapascal newtons/mm <sup>2</sup>	MPa N/mm <sup>2</sup>	pound(force) psi kp/in <sup>2</sup> (psi)	MPa MPa	0.0069 6.895	1 MPa = 145 psi 7 MPa = 1 ksi
torque	newton metres	N-m	inch-ounce inch- pound foot pound	N-m N- m N-m	0.00706 0.113 1.356	1 N-m = 140 in oz 1 N-m = 0.75 ft lbs 14 N-m = 1 ft lb

Note : 1 MPa = 1N/mm<sup>2</sup> 1KSI = 1.000 lb/in<sup>2</sup> 1N = 0.1019 kgf

## COMBINATION PLIERS

(WITH THICK INSULATION)

Reference Standard IS:  
3650-1981 & IS:  
2615-1989



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-906	155	141.00	5 Pcs.	100 Pcs.
PYE-907	180	149.00	5 Pcs.	100 Pcs.
PYE-908	205	157.00	5 Pcs.	100 Pcs.

## CIRCLIP PLIER INTERNAL – ST. NOSE

(WITH THICK INSULATION)

Reference Standard IS:  
7989-1976



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-927	180	156.00	5 Pcs.	100 Pcs.

## COMBINATION PLIER

(WITH THICK INSULATION)

Reference Standard IS: 3650-1981 & IS: 2615-1989

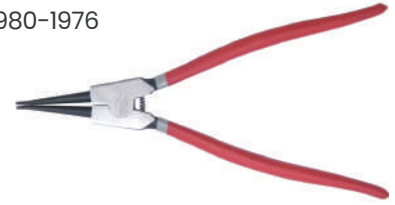


Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-903	205	170.00	5 Pcs.	100 Pcs.

## CIRCLIP PLIER EXTERNAL – ST.

(WITH THICK INSULATION)

Reference Standard IS: 7980-1976



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-928	180	156.00	5 Pcs.	100 Pcs.

## LONG NOSE PLIERS

(WITH THICK INSULATION)

Reference Standard IS:  
3552-1989



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-905	130	129.00	5 Pcs.	200 Pcs.
PYE-911	155	140.00	5 Pcs.	100 Pcs.

## ADJUSTABLE WRENCHES

Reference Standard IS:  
6149-1984 & ISO:  
6787-2001(E)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-1108	155	129.00	5 Pcs.	100 Pcs.
PYE-1109	205	153.00	5 Pcs.	100 Pcs.
PYE-1110	255	201.00	5 Pcs.	80 Pcs.
PYE-1112	305	283.00	5 Pcs.	40 Pcs.

## SIDE CUTTING PLIER

(WITH THICK INSULATION)

Reference Standard IS:  
3650-1981



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-910	155	132.00	5 Pcs.	100 Pcs.

## PIPE WRENCHES

Reference Standard IS:  
4003-1978



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-912	300	257.00	5 Pcs.	30 Pcs.
PYE-914	350	300.00	5 Pcs.	30 Pcs.
PYE-918	450	458.00	4 Pcs.	20 Pcs.
PYE-924	600	986.00	1 Pcs.	10 Pcs.

## WATER PUMP PLIER



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-981	250	93.00	5 Pcs.	80 Pcs.

## WIRE STRIPPER AND CUTTER (INSULATED)

(Useful For T.V. Technician, Wireman, Cable Operator & Hobbyist etc.)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-950	130	42.00	10 Pcs.	300 Pcs.

## NIPPER (INSULATED)

(Suitable For Electronics, Automobile, Telecommunication & Other Assembly Industries)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-951	115	50.00	10 Pcs.	300 Pcs.

## CABLE CUTTER

(Useful For Cable Wireman & Electrician)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-952	180 (with Cutting Capacity of 10mm)	103.00	5 Pcs.	100 Pcs.

## WIRE STRIPPER AND CUTTER (INSULATED)

(Use for Cutting & Stripping thicker wires. Available in Blister Packing)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-954	130	45.00	10 Pcs.	200 Pcs.

## MICRO SHEAR (INSULATED)

(Suitable to Shear wires in delicate and hard to reach places)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-955	115	74.00	10 Pcs.	200 Pcs.

## PRUNING SECATEUR (ANVIL TYPE)

(Suitable for cutting flower buds, live or soft branches and stems upto 15 mm thickness)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-2101	200	280.00	5 Pc.	50 Pcs.

## PRUNING SECATEUR (SHEARING TYPE)

(Suitable to Shear wires in delicate and hard to reach places)



Product No.	Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-2102	180	120.00	10 Pc.	200 Pcs.

## CHISELS (OCTAGONAL)

Reference Standard IS : 402 - 1990



Product No.	Length (mm)	Cutting Edge (mm)	Rs Per Pc.	Standard Packing in Boxes.
PYE-771	150	16	71.00	10 Pcs.
PYE-772	200	22	104.00	6 Pcs.
PYE-773	200	25	143.00	6 Pcs.
PYE-774	250	30	203.00	4 Pcs.
PYE-775	300	32	247.00	2 Pcs.

## CENTRE PUNCHES

Reference Standard  
IS : 7177 - 1974



Product No.	Description Dia x Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-943	8 x 100	28.00	10 Pcs.	600 Pcs.
PYE-944	10 x 100	33.00	10 Pcs.	400 Pcs.
PYE-945	12 x 125	43.00	10 Pcs.	200 Pcs.
PYE-946	12 x 150	53.00	10 Pcs.	200 Pcs.

## BALL PEIN HAMMERS (DROP FORGED)

Reference Standard IS : 841 - 1983 & ISO : 15601 - 2000(E)



Product No.	Weight (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-750	100	87.00	4 Pcs.	100 Pcs.
PYE-751	200	114.00	4 Pcs.	72 Pcs.
PYE-755	300	135.00	4 Pcs.	72 Pcs.
PYE-752	500	173.00	4 Pcs.	56 Pcs.
PYE-753	600	203.00	4 Pcs.	40 Pcs.
PYE-754	800	248.00	4 Pcs.	40 Pcs.

## CROSS PEIN HAMMERS (DROP FORGED)

Reference Standard IS : 841 - 1983 & ISO : 15601 - 2000(E)



Product No.	Weight (gms)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-760	100	87.00	4 Pcs.	100 Pcs.
PYE-761	200	114.00	4 Pcs.	72 Pcs.
PYE-765	300	135.00	4 Pcs.	72 Pcs.
PYE-762	500	173.00	4 Pcs.	56 Pcs.
PYE-763	600	203.00	4 Pcs.	40 Pcs.
PYE-764	800	254.00	4 Pcs.	40 Pcs.

## CLAW HAMMER

Reference Standard IS : 6546 - 1989 &  
ISO : 15601 - 2000(E)



Product No.	Weight (gms)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-759	300	162.00	4 Pcs.	72 Pcs.

## HACKSAW FRAME (RECTANGULAR PIPE)

(SPECIAL NYLON HANDLE, DESIGN PATENT NO. 212322)



Product No.	Description	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-801	With Blade 300 mm	280.00	5 Pcs.	50 Pcs.

## SPARE MALLET

(FOR SOFT FACED PLASTIC HAMMERS)

Reference Standard IS :  
10838 - 1984



Product No.	Mallet Dia (mm)	Cutting Edge (mm)	Rs Per Pc.	Standard Packing in Boxes.
PYE-650	20	16.50	20 Pcs.	2000 Pcs.
PYE-651	25	25.50	10 Pcs.	1300 Pcs.
PYE-652	30	41.50	10 Pcs.	930 Pcs.
PYE-653	40	77.00	10 Pcs.	430 Pcs.
PYE-654	50	126.00	10 Pcs.	300 Pcs.

## POKER

Reference Standard IS : 10375 - 1982



Product No.	Stem Dia x Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-558-P	6.0 x 100	40.25	20 Pcs.	500 Pcs.

## DOUBLE OPEN END JAW SPANNERS

(CHROME-VANADIUM STEEL)



Size (MM)	Rs. Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
6 × 7	11.00	10 Pcs.	600 Pcs.
8 × 9	16.00	10 Pcs.	600 Pcs.
10 × 11	17.00	10 Pcs.	500 Pcs.
12 × 13	21.00	10 Pcs.	500 Pcs.
14 × 15	21.50	10 Pcs.	300 Pcs.
16 × 17	29.00	10 Pcs.	250 Pcs.
18 × 19	36.00	10 Pcs.	200 Pcs.
20 × 22	45.00	5 Pcs.	150 Pcs.
21 × 23	59.00	5 Pcs.	125 Pcs.
24 × 27	70.00	5 Pcs.	100 Pcs.
25 × 28	81.00	5 Pcs.	80 Pcs.
30 × 32	100.50	5 Pcs.	60 Pcs.

## DOUBLE OPEN END JAW SPANNER SETS

(CHROME-VANADIUM STEEL)



PYE - 1151

Size	Set Contents	Rs. Per Set	Standard Packing in Cartons
Set of 6	6×7, 8×9, 10×11, 12×13, 14×15, 16×17	112.00	60 Sets
Set of 8	6×7, 8×9, 10×11, 12×13, 14×15, 16×17, 18×19, 20×22	187.00	40 Sets
Set of 10	6×7, 8×9, 10×11, 12×13, 14×15, 16×17, 18×19, 20×22, 21×23, 24×27	321.00	20 Sets
Set of 12	6×7, 8×9, 10×11, 12×13, 14×15, 16×17, 18×19, 20×22, 21×23, 24×27, 25×28, 30×32	492.00	15 Sets

## TOOL KIT

Designed As Per  
"DO-IT-YOURSELF" Concept  
With Attractive Bag



Product No.	Description	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PYE-105	205 mm Combination Plier 100 gms Cross Pein Hammer 130 mm Wire Stripper & Cutter 255 mm Adjustable Wrench Screw Driver Kit with Neon Bulb	710.00	1 Pc.	15 Pcs.

## SCREW DRIVERS - SLOTTED HEAD

ENGINEER'S PATTERN

Reference Standard IS : 844 - 1979 (Part II)



Product No.	BS Dia × Length (mm)	Tip Dimension (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-551	2.5 × 50	2.5 × 0.4	13.00	20 Pcs.	1000 Pcs.
PTL-532	2.5 × 50	1.6 × 0.4	15.50	20 Pcs.	1000 Pcs.
PTL-533	2.5 × 75	1.6 × 0.4	16.50	20 Pcs.	1000 Pcs.
PTL-552	3.25 × 65	3.25 × 0.4	14.25	20 Pcs.	1000 Pcs.
PTL-553	3.25 × 75	3.25 × 0.5	21.00	20 Pcs.	1000 Pcs.
PTL-556	4.5 × 75	4.5 × 0.6	26.50	20 Pcs.	1000 Pcs.
PTL-557	4.5 × 100	4.5 × 0.6	28.50	20 Pcs.	1000 Pcs.
PTL-609	6.0 × 75	6.0 × 0.9	33.75	20 Pcs.	500 Pcs.
PTL-558	6.0 × 100	6.0 × 0.9	37.50	20 Pcs.	500 Pcs.
PTL-610	6.0 × 125	6.0 × 0.9	39.25	20 Pcs.	500 Pcs.
PTL-559	6.0 × 150	6.0 × 0.9	44.00	20 Pcs.	500 Pcs.
PTL-560	6.0 × 200	6.0 × 0.9	47.50	20 Pcs.	400 Pcs.
PTL-613	6.0 × 250	6.0 × 0.9	52.00	20 Pcs.	400 Pcs.
PTL-611	8.0 × 125	8.0 × 1.2	64.50	10 Pcs.	200 Pcs.
PTL-561	8.0 × 150	8.0 × 1.2	67.00	10 Pcs.	200 Pcs.
PTL-612	8.0 × 175	8.0 × 1.2	69.25	10 Pcs.	200 Pcs.
PTL-562	8.0 × 200	8.0 × 1.2	70.50	10 Pcs.	200 Pcs.
PTL-563	8.0 × 250	8.0 × 1.2	76.00	10 Pcs.	200 Pcs.
PTL-564	8.0 × 300	8.0 × 1.2	80.50	10 Pcs.	200 Pcs.
PTL-565	10.0 × 200	10.0 × 1.5	118.00	6 Pcs.	60 Pcs.
PTL-566	10.0 × 250	10.0 × 1.5	122.50	6 Pcs.	60 Pcs.
PTL-567	10.0 × 300	10.0 × 1.5	131.00	6 Pcs.	60 Pcs.
PTL-568	10.0 × 350	10.0 × 1.5	140.00	6 Pcs.	60 Pcs.
PTL-569	10.0 × 400	10.0 × 1.5	146.50	6 Pcs.	60 Pcs.
PTL-570	10.0 × 450	10.0 × 1.5	155.50	6 Pcs.	60 Pcs.

## SCREW DRIVERS – PHILLIP HEAD

Reference Standard IS : 844 - 1979 (Part III)



Product No.	BS Dia × Length (mm)	Point No.	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-503	2.5 × 50	00	16.25	20 Pcs.	1000 Pcs.
PTL-505	3.0 × 60	0	24.00	20 Pcs.	1000 Pcs.
PTL-506	3.0 × 100	0	27.25	20 Pcs.	1000 Pcs.
PTL-507	3.0 × 150	0	29.75	20 Pcs.	1000 Pcs.
PTL-508	4.5 × 100	1	36.50	20 Pcs.	500 Pcs.
PTL-509	4.5 × 150	1	38.50	20 Pcs.	500 Pcs.
PTL-510	4.5 × 200	1	41.00	20 Pcs.	500 Pcs.
PTL-511	5.0 × 75	1	37.25	20 Pcs.	500 Pcs.
PTL-519	5.0 × 200	1	43.50	20 Pcs.	400 Pcs.
PTL-520	5.0 × 250	1	52.00	20 Pcs.	400 Pcs.
PTL-521	5.0 × 300	1	53.00	20 Pcs.	300 Pcs.
PTL-512	6.0 × 100	2	55.00	20 Pcs.	500 Pcs.
PTL-513	6.0 × 150	2	59.50	20 Pcs.	500 Pcs.
PTL-514	6.0 × 200	2	60.50	20 Pcs.	400 Pcs.
PTL-515	8.0 × 150	3	80.50	10 Pcs.	200 Pcs.
PTL-516	8.0 × 200	3	84.75	10 Pcs.	200 Pcs.
PTL-517	8.0 × 250	3	89.50	10 Pcs.	200 Pcs.

## SCREW DRIVERS – SLOTTED HEAD

ELECTRICIAN'S PATTERN (INSULATED)

Reference Standard IS : 844 - 1979 (Part II)



Product No.	BS Dia × Length (mm)	Tip Dimension (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-554	3.25 × 100	3.25 × 0.5	24.00	20 Pcs.	1000 Pcs.
PTL-606	3.25 × 150	3.25 × 0.5	26.50	20 Pcs.	1000 Pcs.
PTL-502	3.25 × 200	3.25 × 0.5	27.25	20 Pcs.	1000 Pcs.
PTL-607	4.5 × 150	4.5 × 0.6	33.25	20 Pcs.	500 Pcs.
PTL-608	4.5 × 200	4.5 × 0.6	37.25	20 Pcs.	500 Pcs.
PTL-600	5.0 × 100	5.0 × 0.8	38.50	20 Pcs.	500 Pcs.
PTL-601	5.0 × 125	5.0 × 0.8	39.25	20 Pcs.	400 Pcs.
PTL-602	5.0 × 150	5.0 × 0.8	45.00	20 Pcs.	400 Pcs.
PTL-603	5.0 × 200	5.0 × 0.8	48.50	20 Pcs.	400 Pcs.
PTL-604	5.0 × 250	5.0 × 0.8	49.50	20 Pcs.	400 Pcs.
PTL-605	5.0 × 300	5.0 × 0.8	51.00	20 Pcs.	300 Pcs.

## SCREW DRIVERS – TORX (BLACK TIP)

Reference Standard ISO : 10664



Product No.	BS Dia × Length (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-T4	2.5 x 100	23.00	20 Pcs.	1000 Pcs.
PTL-T5	3.0 x 150	24.00	20 Pcs.	1000 Pcs.
PTL-T6	3.0 x 150	35.00	20 Pcs.	1000 Pcs.
PTL-T8	3.25 x 150	36.00	20 Pcs.	1000 Pcs.
PTL-T10	3.25 x 150	38.00	20 Pcs.	1000 Pcs.
PTL-T15	5.0 x 150	54.00	20 Pcs.	500 Pcs.
PTL-T20	5.0 x 200	55.00	20 Pcs.	400 Pcs.
PTL-T25	6.0 x 200	69.00	20 Pcs.	400 Pcs.
PTL-T30	6.0 x 200	68.00	20 Pcs.	400 Pcs.
PTL-T40	8.0 x 200	82.00	10 Pcs.	200 Pcs.

## SCREW DRIVERS TWO IN ONE



Product No.	BS Dia × Length (mm)	Tip Dimension (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-573	5.0 × 65	Phillip No. 1 / 5.0 × 0.8	43.00	20 Pcs.	500 Pcs.
PTL-574	5.0 × 200	Phillip No. 0 / Phillip No. 1	55.00	20 Pcs.	400 Pcs.
PTL-575	6.0 × 200 Insulated	Phillip No. 2	72.00	20 Pcs.	400 Pcs.
PTL-576	6.0 × 100	Phillip No. 2 / 6.0 × 0.9	47.50	20 Pcs.	500 Pcs.
PTL-577	6.0 × 250 Insulated	Phillip No. 2 / 6.0 × 0.9	65.00	20 Pcs.	400 Pcs.
PTL-578	8.0 × 150	8.0 × 1.2	77.00	20 Pcs.	200 Pcs.

## SCREW DRIVERS - STUBBY

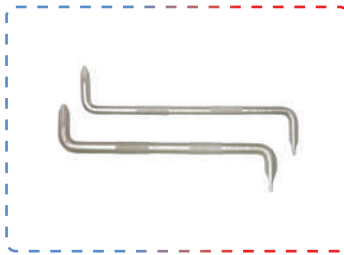
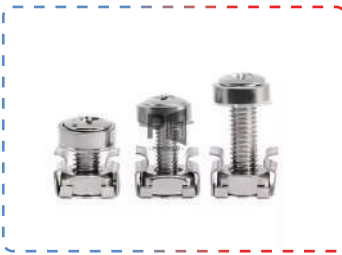
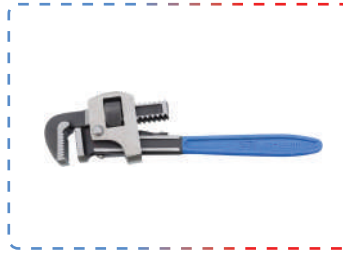
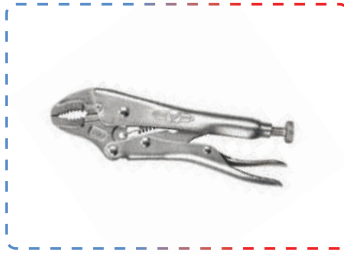
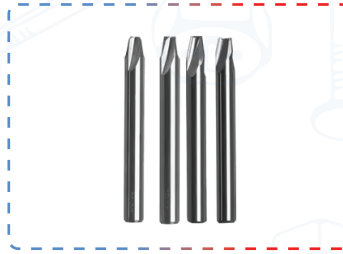
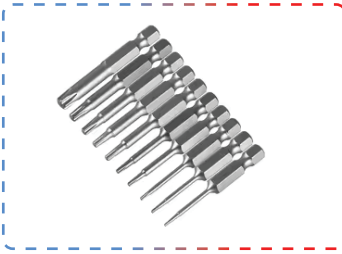


Product No.	BS Dia x Length (mm)	Tip Dimension (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-581 (2 IN 1)	6 x 30 (2-in-1)	Philip No. 2 / 6.0 x 0.9	45.25	10 Pcs.	500 Pcs.
PTL-571	6 x 50	6.0 x 0.9	35.25	10 Pcs.	500 Pcs.
PTL-572 (PH)	6 x 50	Phillip No. 2	38.50	10 Pcs.	500 Pcs.

## SCREW DRIVERS - SLOTTED HEAD - STRIKING



Product No.	BS Dia x Length (mm)	Tip Dimension (mm)	Rs Per Pc.	Standard Packing in Boxes.	Standard Packing in Cartons
PTL-561-S	8 x 150	8.0 x 1.2	85.00	10 Pcs.	200 Pcs.
PTL-562-S	8 x 200	8.0 x 1.2	87.25	10 Pcs.	200 Pcs.
PTL-563-S	8 x 250	8.0 x 1.2	90.50	10 Pcs.	200 Pcs.
PTL-564-S	8 x 300	8.0 x 1.2	93.00	10 Pcs.	200 Pcs.





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