



Build what the world
builds on.

70+

Export markets

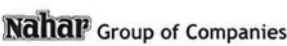
15,000

MT annual
capacity

3rd

Generation
business

Clientele:

Why BK Global

A workshop floor with a global view.

Global by default

Your work ships to the Middle East, Europe, Africa and Southeast Asia. Export documentation, mill certificates and overseas buyers are everyday vocabulary here, not a special project.

Engineering you can hold

M10 to M32, property class 4.6 to 10.9, hot-dip galvanized to stainless. Precision is the product, and our in-house lab certifies every batch.

Room to own things

A mid-sized, family-run company means less hierarchy and more responsibility. Good ideas reach the people who decide quickly and you see them go out the gate.

Built to last

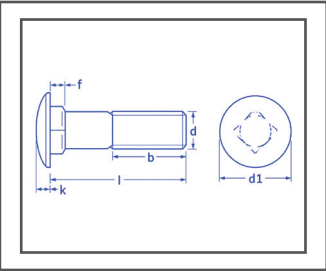
Three generations and five decades in, we grow steadily and reinvest in our plant and our people. It's a place to build a career, not just take a job.

Where You'd Fit

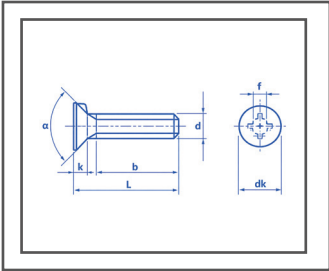
- **Manufacturing & Quality** thread rolling, finishing, galvanizing and the testing lab.
- **Export Sales & Business Development** overseas buyers, RFQs, quotations and Incoterms.
- **Design & Engineering** CAD and the formwork & scaffolding spec library.
- **Logistics & Documentation** freight, CHA, B/L, COO and LC compliance.
- **Digital & Marketing** web presence, catalogue and the B2B lead pipeline.
- **Finance & Administration** costing, banking, compliance and people.

Din Standards

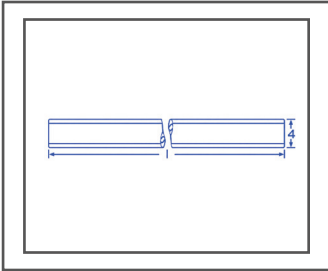
Bolts



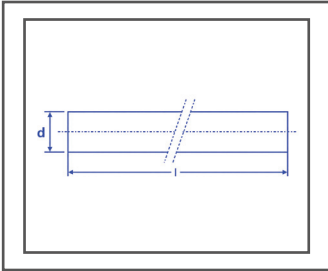
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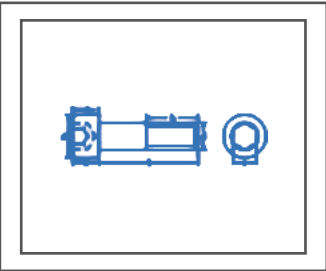
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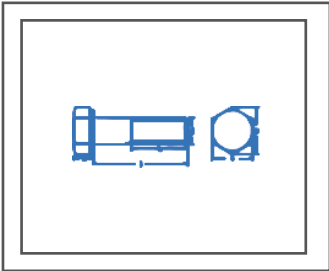
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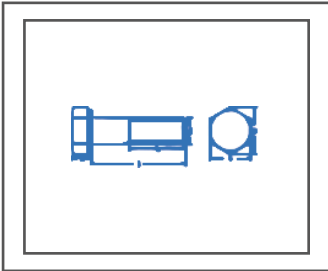
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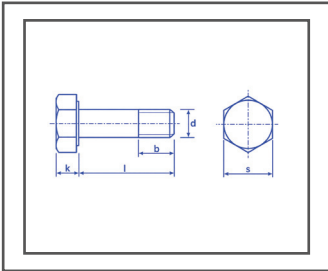
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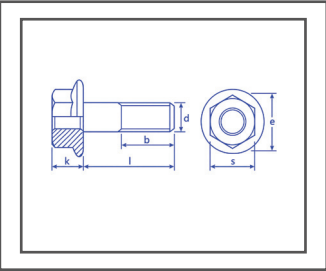
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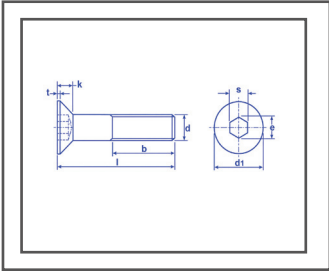
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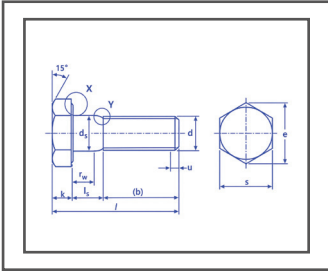
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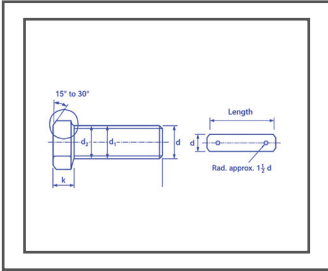
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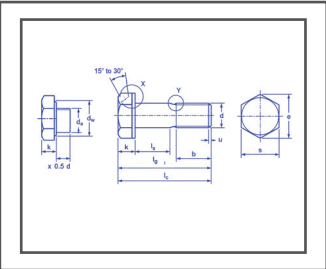
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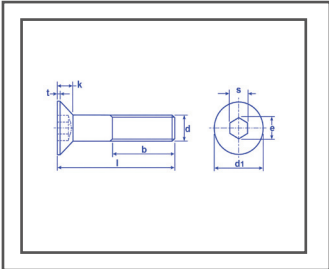
EN-14399



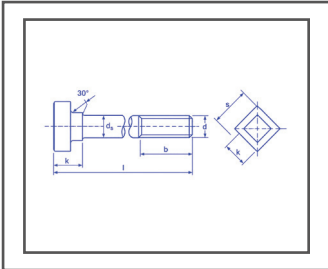
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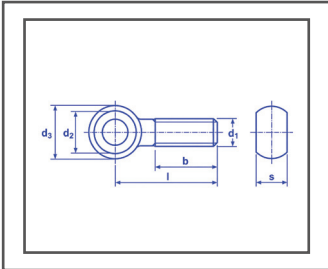
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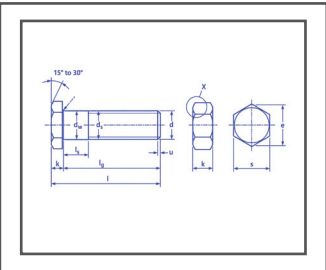
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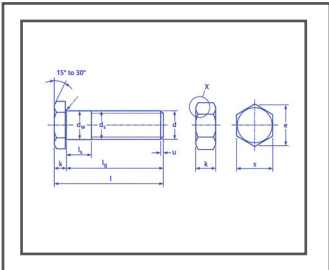
BS 7419



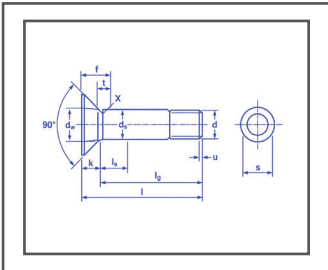
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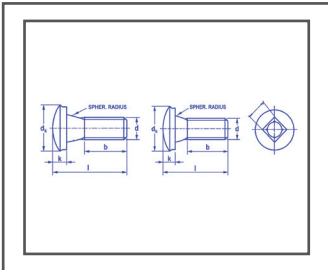
IS 1363 - 1



IS 1363 - 2



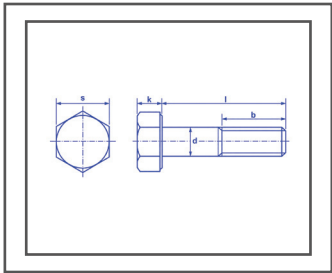
IS 2269



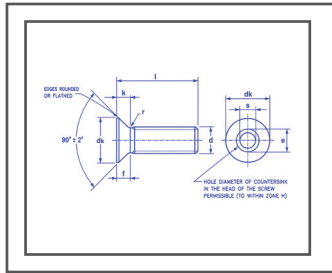
IS 2609

Din Standards

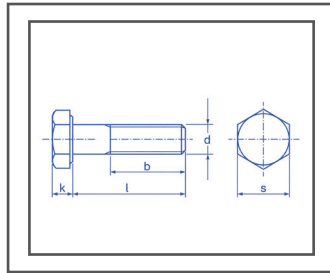
Bolts



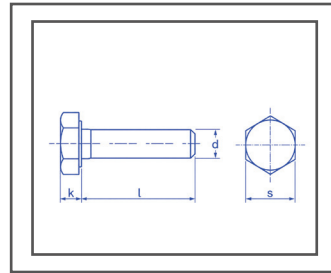
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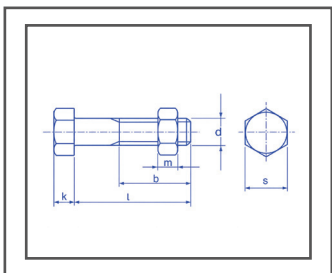
IS 6761



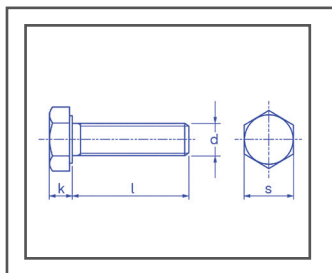
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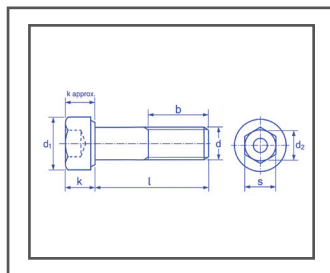
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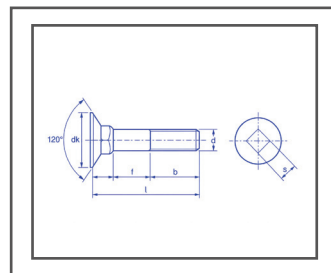
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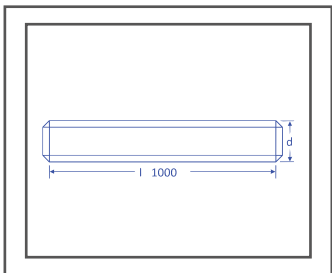
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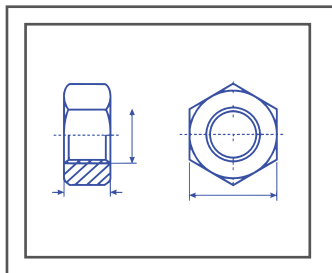
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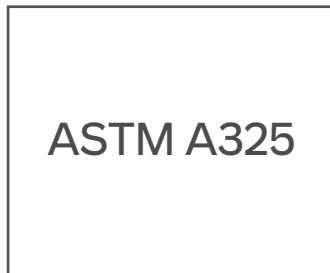
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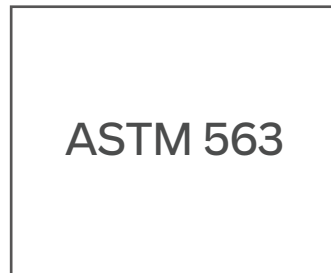
ASTM A 193



ASTM A 194

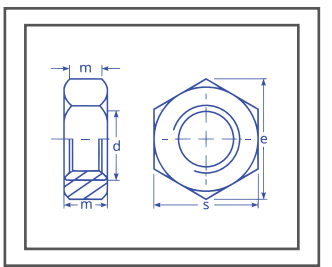


ASTM A325

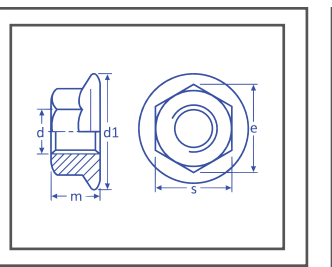


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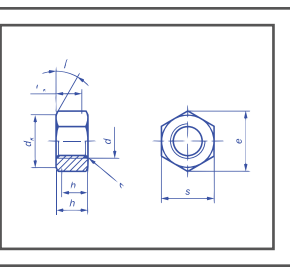
Nuts:



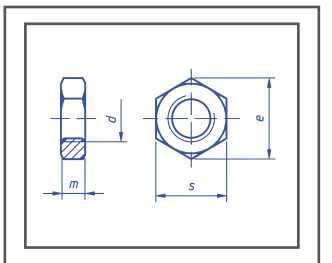
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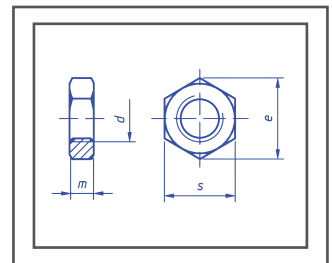
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IS 1363-3

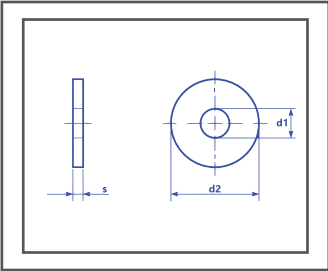


IS 1364-5

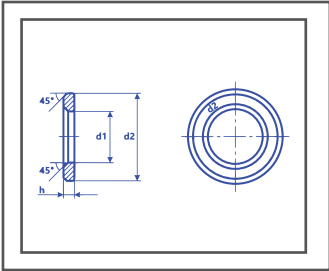


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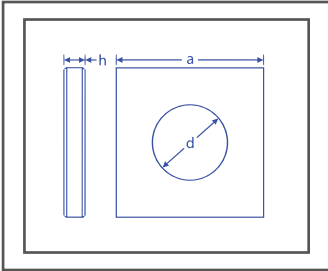
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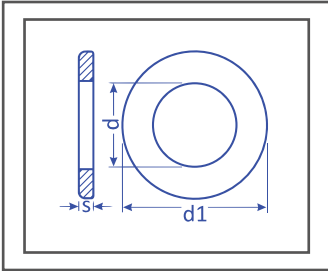
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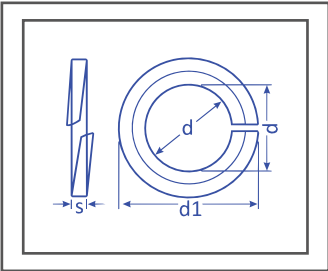
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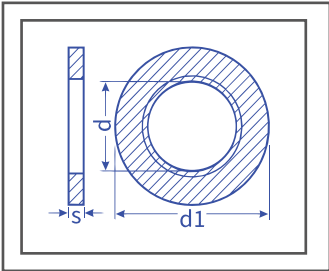
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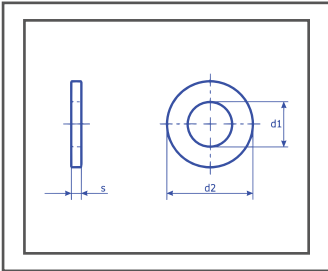
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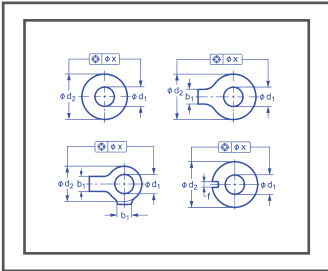
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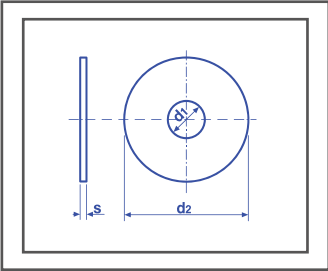
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BS 4320



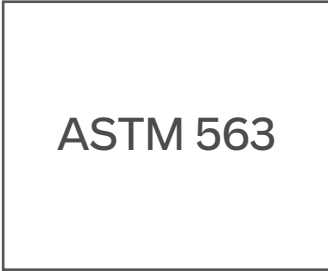
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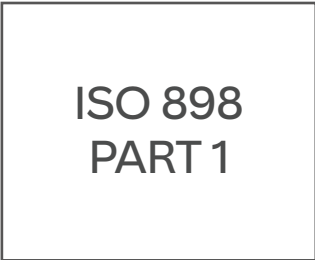
NFE 25513



ISO 898
SPECIFICATION



ISO 898 Specification



Nuts:

(A.) Hex nuts



Our Hex Nuts are manufactured with precision to provide secure, reliable, and high-strength fastening solutions for a wide range of industrial, structural, and construction applications. Produced in compliance with international standards, they offer excellent dimensional accuracy, durability, and corrosion resistance.

Grades: 4, 5, 6, 8, 10 & 12 | **Material:** Mild Steel, Carbon Steel, Alloy Steel, Stainless Steel (SS304/SS316) | **Surface Finish:** Plain, Zinc Plated, Hot Dip Galvanized (HDG), Mechanical Galvanized, Black Oxide, Geomet, and Dacromet Coated.

SIZE RANGE:

Metric: M2 to M42
Inches: 1/4" to 2"

D1D1	K	E	S
M3	2	6.01	5.5
M4	2.8	7.66	7
M5	3.5	8.79	8
M6	4	11.05	10
M8	5.3	14.38	13
M10	6.4	18.9	17
M12	7.5	21.1	19
M14	8.8	24.49	22
M16	10	26.75	24
M18	11.5	30.14	27
M20	12.5	33.53	30
M22	14	35.72	32
M24	15	39.98	36
M27	17	45.2	41
M30	18.7	50.85	46
M33	21	55.37	50
M36	22.5	60.79	55
M42	26	71.3	65
M48	30	82.6	75

(B.) Wheel nuts



At **BK Global Synergies Pvt. Ltd.**, we offer precision-engineered Wheel Nuts designed to provide safe, secure, and long-lasting wheel fastening solutions for automotive, commercial vehicle, and industrial applications. Manufactured from premium-quality materials and subjected to stringent quality controls, our wheel nuts ensure superior strength, dimensional accuracy, and excellent resistance to wear and corrosion.

Grades: 8, 10 & 12 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 |
Surface Finish: Zinc Plated, Chrome Plated, Nickel Plated, Black Oxide, Phosphate, and Geomet Coated.

Available in a wide range of thread sizes, seat profiles, and specifications to meet OEM, aftermarket, and custom application requirements.

(C.) Nylock nuts

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THREAD SIZE D	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24
	-	-	-	M8x1	M10x1	M12x1,5	M14x1,5	M16x1,5	M18x2	M20x2	M22x2	M24x2
	-	-	-	-	M10x1,25	M12x1,25	-	-	M18x1,5	M20x2	M22x2	-
P	0,8	1	1	1,25	1,5	1,75	2	2	2,5	2,5	2,5	3
da	min. 5	6	7	8	10	12	14	16	18	20	22	24
	max. 5,75	6,75	7,75	8,75	10,8	13	15,1	17,3	19,5	21,6	23,7	25,9
dw	min. 6,9	8,9	9,6	11,6	15,6	17,4	20,5	22,5	24,9	27,7	29,5	33,2
e	min. 8,79	11,05	12,12	14,38	18,9	21,1	24,49	26,75	29,56	32,95	35,03	29,55
h	max = nominal size 6,3	8	8,5	9,5	11,5	14	16	18	20	22	25	28
	min. 6	7,7	8,2	9,14	11,14	13,64	15,3	17,3	19,16	20,7	23,7	26,7
m	min. 4,4	4,9	6,14	6,44	8,04	10,37	12,1	14,1	15,1	16,9	18,1	20,2
m'	min. 3,52	3,92	4,91	5,15	6,43	8,3	9,68	11,28	12,08	13,52	14,48	16,16
s	max = nominal size 8	10	11	13	17	19	22	24	27	30	32	36
	min. 7,78	9,78	10,73	12,73	16,73	19,67	21,67	23,67	26,16	29,16	31	35
Weight (7,85 kg/dm ³) kg/1000 ppcs	1,4	3,1	3,2	6	11,7	16,6	21	37,8	51,6	68	86	127

(D.) Flange nuts

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Thread size d		M5	M6	M8	M10	M12	M14	M16	M20
		–	–	M8x1	M10x1,2 5	M12x1,5	M14x1,5	M16x1,5	M20x1,5
		–	–	–	(M10x1)	(M12x1, 5)	–	–	–
P		0,8	1	1,25	1,5	1,75	2	2	2,5
c	min.	1	1,1	1,2	1,5	1,8	2,1	2,4	3
da	min.	5	6	8	10	12	14	16	20
	max.	5,75	6,75	8,75	10,8	13	15,1	17,3	21,6
dc	max.	11,8	14,2	17,9	21,8	26	29,9	34,5	42,8
dw	min.	9,8	12,2	15,8	19,6	23,8	27,6	31,9	39,9
e	min.	8,79	11,05	14,38	16,64	20,03	23,36	26,75	32,95
m	min.	5	6	8	10	12	14	16	20
		4,7	5,7	7,6	9,6	11,6	13,3	15,3	18,9
m'	min.	2,2	3,1	4,5	5,5	6,7	7,8	9	11,1
s	nominal	8	10	13	15	18	21	24	30
	=max.								
	min.	7,78	9,78	12,73	14,73	17,73	20,67	23,67	29,67
r	max.	0,3	0,36	0,48	0,6	0,72	0,88	0,96	1,2



Bolts:

Hex Bolts:

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M8	5.3	14.38	13
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M27	17	45.2	41
M30	18.7	50.85	46
M33	21	55.37	50
M36	22.5	60.79	55
M42	26	71.3	65
M48	30	82.6	75

Hex Phillips Head Bolts:

At **BK Global Synergies Pvt. Ltd.**, we offer high-quality Hex Phillips Head Bolts designed to provide the convenience of dual-drive installation with the strength and reliability required for industrial and commercial applications. Featuring a hexagonal head with a Phillips recess, these bolts enable easy tightening using either a wrench or screwdriver, ensuring efficient assembly and secure fastening.

Grades: 4.6, 5.6, 8.8 & 10.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Plain, Zinc Plated, Hot Dip Galvanized (HDG), Black Oxide, Nickel Plated, Geomet, and Dacromet Coated.

Available in a wide range of metric and imperial sizes, our Hex Phillips Head Bolts are widely used in automotive components, electrical assemblies, machinery, furniture, appliances, and general engineering applications requiring durable and versatile fastening solutions.



Screw Nominal	Cross Hole Number	s		e	k		m	q		r
		Reference Dimensions	Tolerance	Reference	Reference Dimensions	Tolerance	Reference	Maximum	Minimum	Minimum
M3	2	5.5	0 -0.2	6.05	2.0	±0.1 ±0.15	3.5	1.43	0.91	0.1
M3.5		6.0		6.6	2.4		3.5	1.43	0.91	0.1
M4		7.0		7.7	2.8		4.0	1.93	1.40	0.2
M5		8.0		8.7	3.5		4.8	2.73	2.19	0.2
M6	3	10.0	0	10.9	4.0	±0.15	6.2	2.86	2.30	0.25
M8		13.0		14.1	5.5		7.2	3.86	3.20	0.4
M10	4	17.0	-0.25	18.9	7.0	±0.2	9.25	4.95	4.15	0.4

Flange Bolts:

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Grades: 4.6, 5.6, 8.8 & 10.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Plain, Zinc Plated, Hot Dip Galvanized (HDG), Black Oxide, Nickel Plated, Geomet, and Dacromet Coated.

Available in a wide range of metric and imperial sizes, our Hex Phillips Head Bolts are widely used in automotive components, electrical assemblies, machinery, furniture, appliances, and general engineering applications requiring durable and versatile fastening solutions.

THREAD		M5	M6	M8	M10	M12	(M14)	M16	M20
size d		-	-	M8 x 1	M10 x 1,25	M12 x 1,5	(M14x1,5)	M16 x 1,5	M20 x 1,5
		-	-	-	(M10 x 1)	(M10 x 1,25)	-	-	-
P		0,8	1	1,25	1,5	1,75	2	2	2,5
C	Min.	1	1,1	1,2	1,5	1,8	2,1	2,4	3
	Max.	5	6	8	10	12	14	16	20
da	Min.	5,75	6,75	8,75	10,8	13	15,1	17,3	21,6
dc	Max.	11,8	14,2	17,9	21,8	26	29,9	34,5	42,8
dw	Min.	9,8	12,2	15,8	19,6	23,8	27,6	31,9	39,9
e	Min.	8,79	11,05	14,38	16,64	20,03	23,36	26,75	32,95
h	Max.	6,2	7,3	9,4	11,4	13,8	15,9	18,3	22,4
m	Min.	4,7	5,7	7,6	9,6	11,6	13,3	15,3	18,9
m'	Min.	2,2	3,1	4,5	5,5	6,7	7,8	9	11,1
s	Nominal size = max.	8	10	13	15	18	21	24	30
	Min.	7,78	9,78	12,73	14,73	17,73	20,67	23,67	29,16
r	Max.	0,3	0,36	0,48	0,6	0,72	0,88	0,96	1,2

Step Bolts:

Types:

Hot Dipped Galvanized .
Phosphate Coated .
Teflon Coated
Xylon Coated
Zinc Coated
Cadmium Coated
Electro Zinc plated
Electro Cadmium Plated

Size:

M16 (35OD & 50OD)

Finishing:

Plain

Specification

IS:10238 / DRAWING

Grade:

4.6, 5.6

Bolt Diameter	D	F	H
	Body Diameter Max	Head Diameter	Head Height
5/8	0.652	2" $\pm 1/8$ "	1/2" $\pm 1/8$ "
3/4	0.75	2" $\pm 1/8$ "	1/2" $\pm 1/8$ "



Wheel bolt:

At **BK Global Synergies Pvt. Ltd.**, we offer precision-engineered Wheel Bolts designed to provide secure and dependable wheel fastening solutions for passenger vehicles, commercial vehicles, and industrial equipment. Manufactured from high-quality materials and subjected to stringent quality controls, our wheel bolts ensure superior strength, dimensional accuracy, and excellent resistance to wear, fatigue, and corrosion.

Grades: 8.8, 10.9 & 12.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Zinc Plated, Chrome Plated, Nickel Plated, Black Oxide, Phosphate, Geomet, and Dacromet Coated.

Available in various thread sizes, lengths, and seat configurations, our Wheel Bolts are suitable for OEM, aftermarket, and custom automotive applications, delivering reliable performance under demanding road and operating conditions.



Structural Bolts:

Bolt Product Line

- F3125 Heavy Hex Bolts
 - A325 Bolts
 - A490 Bolts
- F3125 Tension Control Bolts
 - F1852 TC Bolts
 - F2280 TC Bolts
- F436 Washers
- DH Nuts



Bolt Diameter	D	F				C		H			T
	Body Diameter	Width Across Flats				Width Across Corners		Height			Thread Length
	Max	Basic	Max	Min	Max	Min	Basic	Max	Min	Basic	
1/2	0.515	7/8	0.875	0.85	1.01	0.969	5/16	0.323	0.302	1	
5/8	0.642	1 1/16	1.062	1.031	1.227	1.175	25/64	0.403	0.378	1.25	
3/4	0.768	1 1/4	1.25	1.212	1.443	1.383	15/32	0.483	0.455	1.38	
7/8	0.895	1 7/16	1.438	1.394	1.66	1.589	35/64	0.563	0.531	1.5	
1	1.022	1 5/8	1.625	1.575	1.876	1.796	39/64	0.627	0.591	1.75	
1 1/8	1.149	1 13/16	1.812	1.756	2.093	2.002	11/16	0.718	0.658	2	
1 1/4	1.277	2	2	1.938	2.309	2.209	25/32	0.813	0.749	2	
1 3/8	1.404	2 3/16	2.188	2.119	2.526	2.416	27/32	0.878	0.81	2.25	
1 1/2	1.531	2 3/8	2.375	2.3	2.742	2.622	15/16	0.974	0.902	2.25	

Shoulder bolts:

At **BK Global Synergies Pvt. Ltd.**, we offer precision-engineered Shoulder Bolts designed to provide accurate alignment, smooth rotational movement, and reliable fastening in high-performance mechanical assemblies. Featuring a precision-ground shoulder with a threaded end, these bolts are ideal for applications requiring pivoting, guiding, or bearing surfaces while ensuring superior strength and dimensional accuracy.

Grades: 8.8, 10.9 & 12.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Plain, Zinc Plated, Black Oxide, Nickel Plated, Geomet, and Dacromet Coated.

Available in various shoulder diameters, lengths, and thread sizes, our Shoulder Bolts are widely used in machinery, automotive components, moulds and dies, conveyors, robotics, and precision engineering applications requiring dependable motion control and secure fastening solutions.



Standards	Sizes
ASME B18.2.1	3/8 inch to 3 inch
BS 1769	½ inch to 2 inch
ASME B18.2.3.6M	M12 to M36
ASME B18.2.3.7M	M16 to M36
DIN 6914	M12 to M36
ISO 7412	M12 to M36
UNI 5712	M12 to M36
DIN-EN 14399-4	M12 to M36

Carriage Bolt:

At **BK Global Synergies Pvt. Ltd.**, we offer premium-quality Carriage Bolts designed to provide secure, tamper-resistant fastening solutions for structural, industrial, and woodworking applications. Featuring a smooth domed head and a square neck beneath the head, these bolts prevent rotation during installation, ensuring easy assembly and a neat finished appearance.

Grades: 4.6, 5.6, 8.8 & 10.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Plain, Zinc Plated, Hot Dip Galvanized (HDG), Mechanical Galvanized, Black Oxide, Geomet, and Dacromet Coated.

Available in a wide range of diameters, lengths, and thread configurations, our Carriage Bolts are widely used in steel structures, timber construction, fencing, scaffolding, machinery, agricultural equipment, and general engineering applications requiring durable and reliable fastening solutions.



Timber Bolt:

At BK Global Synergies Pvt. Ltd., we offer premium-quality Carriage Bolts designed to provide secure, tamper-resistant fastening solutions for structural, industrial, and woodworking applications. Featuring a smooth domed head and a square neck beneath the head, these bolts prevent rotation during installation, ensuring easy assembly and a neat finished appearance.

Grades: 4.6, 5.6, 8.8 & 10.9 | **Material:** Carbon Steel, Alloy Steel, SS304 & SS316 | **Surface Finish:** Plain, Zinc Plated, Hot Dip Galvanized (HDG), Mechanical Galvanized, Black Oxide, Geomet, and Dacromet Coated.

Available in a wide range of diameters, lengths, and thread configurations, our Carriage Bolts are widely used in steel structures, timber construction, fencing, scaffolding, machinery, agricultural equipment, and general engineering applications requiring durable and reliable fastening solutions.





Standard Thread Length



Bolt lengths $\leq 6"$: Thread length = (2 X diameter) + 1/4"



Bolt lengths $> 6"$: Thread length = (2 X diameter) + 1/2"

Diameter	D Body Diameter Max	F Head Diameter	H Head Height
1/2	0.515	1 1/2	1/4
5/8	0.642	1 15/16	5/16
3/4	0.768	2 1/4	3/8
7/8	0.895	2 5/8	7/16
1	1.022	2 7/8	1/2
1 1/8	1.149	2 7/8	1/2
1 1/4	1.277	2 7/8	1/2
1 3/8	1.404	3	3/8
1 1/2	1.531	3	3/8

TIMBER BOLTS LENGTH

Length	Diameter 3/4" Galv.
8	18549
10	18553
12	18557
14	18561
16	18565
18	18569
20	18573
22	18577
24	18581
26	18583
28	18585
30	18587
32	18589
36	18595

Washer:

Pack Washer:



Fender Washer:



For Screw	d1 min	d2 max	s	Pkg.	Order #
M3	3.2	9	0.8	100	W017-003-
M4	4.3	12	1	100	W017-004-
M5	5.3	15	1.2	100	W017-005-
M6	6.4	18	1.6	100	W017-006-
M8	8.4	24	2	100	W017-008-
M10	10.5	30	2.5	100	W017-010-
M12	13	37	3	100	W017-012-
M14	15	44	3	100	W017-014-
M16	17	50	3	100	W017-016-



Uss Flat Washers:



USS WASHERS - LOW CARBON STEEL										ASME B18.2.1-2009
Bolt Size	Outside Diameter			Inside Diameter			Thickness			Approximate Number of USS Washers per 50 Pounds
	Nominal	Max	Min	Nominal	Max	Min	American Standard (Gauge)	Max	Min	
3/16	9/16	0.577	0.557	1/4	0.265	0.245	18 (3/64)	0.065	0.036	18050
1/4	3/4	0.749	0.727	5/16	0.327	0.307	16 (1/16)	0.080	0.051	7450
5/16	7/8	0.905	0.868	3/8	0.390	0.370	14 (5/64)	0.104	0.064	4350
3/8	1	1.030	0.993	7/16	0.453	0.433	14 (5/64)	0.104	0.064	3350
7/16	1-1/4	1.280	1.243	1/2	0.515	0.495	14 (5/64)	0.104	0.064	2050
1/2	1-3/8	1.405	1.368	9/16	0.577	0.557	12 (7/64)	0.132	0.086	1300
9/16	1-1/2	1.499	1.462	5/8	0.640	0.620	21 (7/64)	0.132	0.086	1100
5/8	1-3/4	1.780	1.743	11/16	0.718	0.681	10 (9/64)	0.160	0.108	650
3/4	2	2.030	1.993	13/16	0.842	0.805	9 (5/32)	0.177	0.122	455
7/8	2-1/4	2.280	2.243	15/16	0.968	0.931	8 (11/64)	0.192	0.136	325
1	2-1/2	2.530	2.493	1-1/16	1.092	1.055	8 (11/64)	0.192	0.136	265
1-1/8	2-3/4	2.780	2.743	1-1/4	1.280	1.243	8 (11/64)	0.192	0.136	225
1-1/4	3	3.030	2.993	1-3/8	1.405	1.368	8 (11/64)	0.192	0.136	190
1-3/8	3-1/4	3.295	3.240	1-1/2	1.545	1.490	7 (3/16)	0.213	0.153	150
1-1/2	3-1/2	3.545	3.490	1-5/8	1.670	1.615	7 (3/16)	0.213	0.153	130
1-5/8	3-3/4	3.795	3.740	1-3/4	1.795	1.740	7 (3/16)	0.213	0.153	115
1-3/4	4	4.045	3.990	1-7/8	1.920	1.865	7 (3/16)	0.213	0.153	100
1-7/8	4-1/4	4.295	4.240	2	2.045	1.990	7 (3/16)	0.213	0.153	90
2	4-1/2	4.545	4.490	2-1/8	2.170	2.115	7 (3/16)	0.213	0.153	79
2-1/4	4-3/4	4.795	4.740	2-3/8	2.420	2.365	5 (7/32)	0.248	0.193	60
2-1/2	5	5.045	4.990	2-5/8	2.670	2.615	4 (15/64)	0.280	0.210	52
2-3/4	5-1/4	5.315	5.240	2-7/8	2.940	2.865	3 (1/4)	0.310	0.228	45
3	5-1/2	5.565	5.490	3-1/8	3.190	3.115	2 (5/32)	0.327	0.249	43

Plain Washers:



Threaded Rods:

Threaded rods are manufactured in various strengths for specific applications:

Mild Steel (Class 4.6/4.8): Standard low-strength rod for light-duty, general-purpose anchoring.

High Tensile (Class 8.8): Commonly used in construction and machinery, often Bright Zinc Plated (BZP).

Stainless Steel (A2/304 or A4/316): Corrosion-resistant for outdoor, marine, or chemical applications.

ASTM A193 B7: High-temperature/high-pressure alloy steel, common in industrial applications.

ASTM A307/A36: Standard low-carbon steel for general fastening.





Uss Flat Washers:

Thread Standards	ISO 724, ISO 268, ISO 68-1, ASME B1.13M, ASME B1.1, BS 3643, BS 84
Inch Sizes	¼" to 8"
Metric Sizes	M6 – M152
Imperial Threads	BSW, ASME, BSF
Metric Threads	ASME, ISO

Identifying	Min Thickness, in (Inches.)
5	0.0002
12	0.0005
8	0.0003
3	00.000

Threaded Rods:

Treaded Rod Finishes & Formats

Plain/Bare Steel: No plating, often with a slight oil coating.

Zinc Plated (BZP/ZP): Most common finish for interior, dry applications.

Hot Dip Galvanized (HDG): Thick zinc coating for superior corrosion resistance, ideal for outdoor or coastal use.

Stainless Steel: Natural finish (304 or 316)

Size	Major Diameter (mm)	Coarse Pitch (mm)	Stress Area (mm²)
M3	3.0	0.50	5.03
M4	4.0	0.70	8.78
M6	6.0	1.00	20.1
M8	8.0	1.25	36.6
M10	10.0	1.50	58.0
M12	12.0	1.75	84.3
M16	16.0	2.00	157
M20	20.0	2.50	245

Inches and Threads Per Inch (TPI), UNC (Unified Coarse)

Nominal Diameter (Inches)	UNC (Coarse) TPI	UNF (Fine) TPI	Major Diameter (Inches)
10	24	32	0.190
1/4"	20	28	0.250
5/16"	18	24	0.3125
3/8"	16	24	0.375
7/16"	14	20	0.4375
1/2"	13	20	0.500
5/8"	11	18	0.625
3/4"	10	16	0.750
7/8"	9	14	0.875
1"	8	12	1.000



UNC and UNF Thread Sizes

Nominal Diameter (Inches)	UNC (Coarse) TPI	UNF (Fine) TPI	Major Diameter (Inches)
10	24	32	0.190
1/4"	20	28	0.250
5/16"	18	24	0.3125
3/8"	16	24	0.375
7/16"	14	20	0.4375
1/2"	13	20	0.500
5/8"	11	18	0.625
3/4"	10	16	0.750
7/8"	9	14	0.875
1"	8	12	1.000

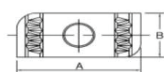
Strut Accessories

PART#	SIZE	A(mm)	B(mm)	C(mm)
AI06N	M5	34.5	19	6
AI08N	M8	34.5	19	6(8)
AI10N	M10	34.5	19	9
AI12N	M12	34.5	19	9(11.8)
AI16N	M16	34.5	28.5	11.8
AI20N	1/4"	34.5	19	6
AI25N	5/16"	34.5	19	6(8)
AI30N	3/8"	34.5	19	9
AI40N	1/2"	34.5	19	9(11.8)
AI50N	5/8"	34.5	28.5	11.8
AI60N	3/4"	34.5	28.5	11.8

Short Spring Channel Nuts

PART#	SIZE	A(mm)	B(mm)	C(mm)
AI06L	M6	34.5	19	6
AI08L	M8	34.5	19	6(8)
AI10L	M10	34.5	19	9
AI12L	M12	34.5	19	9(11.8)
AI16L	M16	34.5	28.5	11.8
AI20L	1/4"	34.5	19	6
AI25L	5/16"	34.5	19	6(8)
AI30L	3/8"	34.5	19	9
AI40L	1/2"	34.5	19	9(11.8)
AI50L	5/8"	34.5	28.5	11.8
AI60L	3/4"	34.5	28.5	11.8

Long Spring Channel Nuts



PART#	SIZE	A(mm)	B(mm)	C(mm)
AI06H	M6	34.5	19	6
AI08H	M8	34.5	19	6(8)
AI10H	M10	34.5	19	9
AI12H	M12	34.5	19	9(11.8)
AI16H	M16	34.5	28.5	11.8
AI20H	1/4"	34.5	19	6
AI25H	5/16"	34.5	19	6(8)
AI30H	3/8"	34.5	19	9
AI40H	1/2"	34.5	19	9(11.8)
AI50H	5/8"	34.5	28.5	11.8
AI60H	3/4"	34.5	28.5	11.8

Scaffolding

1. Tie Rod



Formwork Cold Rolled Tie Rod

	Material	Q235, 45# Steel, Special mixture Steel
	Diameter	D12mm/ D15mm/ D20mm
	Weight	0.75kg/meter (D12mm) 1.50kg/meter (D15mm) 2.32kg/meter (D20mm)
	Ultimate Load	70kn-260kn
	Surface Treatment	Galvanized or as Nature
	Packing	Bundles
	Related Products	Tie Nut, Wing Nut, Water Stop, Climbing Cone Nut, Hex Nut and etc.

2. Wing Nuts

Features

- Casted
- Thread 2.5 TPI
- 15/17 mm OD
- Finish - Golden Electroplated or Self Finish
- Std. Packing - 100 Pcs/Bag

Categories: All Products, Scaffolding & Forwork Accessories, Scaffholdings



Material	Ductile Iron Casting	Packing	Bags or Pallets
Diameter	D15mm D20mm	Ultimate Load	Over 180kn
Feature	One Arm Two Arms	Color	Gold, Silver or Black
Surface Treatment	Galvanized or as Nature	Capacity	300tons per month
Application	Formwork Tie Rod System	Related Products	Tie Rod, Wing Nut, Climbing Steel Cone Nut, Hex Nut and etc.

3. Anchor Nuts



- Casted
- Thread 2.5 TPI
- 15/17 mm OD
- Finish - Golden Electroplated or Self Finish
- Std. Packing - 100 Pcs/Bag

Categories: All Products, Scaffolding & Forwork Accessories, Scaffholdings

4. Waller Plate



Features

- Sizes –
- 120 × 120 × 5 mm / 6 mm / 7 mm / 8 mm
- Hole Size – 17 mm
- Finish – Golden Electroplated or Self Finish
- Std. Packing – 25 Pcs/Bag

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

5. Water Stopper



- Casted with Thread 2.5 TPI
- Finish – Electroplated or Self Finish
- Std. Packing – 50 Pcs/Bag

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

6. Dropped Forged Top Cup

Features

- 4 Leg
- Weights available – 430, 500 grams
- Self Finish
- Std Packing – 50 Pcs/Bag, 2000 Pcs/Pallet

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings



7. Pressed Bottom Cup



- Self Finish
- Sizes (mm): 30 x 5, 29 x 4

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

8. Dropped Forged Ledger Blade



Features

- Weights available – 200, 225, 240 grams
- Std Packing – 100 Pcs/Bag, 4000 Pcs/Pallet
- Self Finish
- Also Available without Hole

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

9. Prp Nut 76mm with Handle



- Nut Dia 76mm
- Handle 188 × 16mm
- Finish – Zinc Plated

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

Couplers:

Drop Forged Swivel Coupler



Features

- Used for connection of 2 tubes (48.3) at any angle
- Nut Size – 1/2" BSW × 21mm AF
- Flange Nut 22, 23 mm AF available
- Tee Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

PRODUCT	TYPE	SIZE / DIAMETER	STANDARD
Double Coupler	Drop forged	48.3/60	EN 74-B
Double Coupler	Drop forged	48.3/48.30	EN 74-B
Swivel Coupler	Drop forged	48.3/60	EN 74-B
Swivel Coupler	Drop forged	48.3/48.3	EN 74-B
Single/Putlog Coupler	Drop forged	48.30mm	BS1139
Girder Coupler	Drop forged	50mm	BS1139
Board Retaining Clamps	Drop forged	38mm	EN 74
Sleeve Coupler	Pressed	48.30mm X 48.30mm	EN 74-B
Toe Board Clamps	Pressed	Various	BS1139
Ladder Clamps	Pressed	Various	BS1139
Universal Clamps	Pressed	Various	BS1139

Drop Forged Single Coupler (Put Log)



Features

- Used for connection of 2 tubes at any angle
- Flange Nut – 1/2" BSW Thread × 22 mm AF available
- Eye Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 / 42.0 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Drop Forged Dual Coupler (American) - Right Angle



- Used for connection of 2 tubes at any angle
- Flange Nut – 1/2" BSW Thread × 22 mm AF available
- Eye Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 / 42.0 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Drop Forged Swivel Coupler



Features

- Used for connection of 2 tubes (48.3) at any angle
- Nut Size – 1/2" BSW × 21mm AF
- Flange Nut 22, 23 mm AF available
- Tee Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Item Name	Weight (kg)	Capacity (slip/min/comp)	Tube Diameter	Manufacturing Process	British Standards	Finishing Options
Drop Forged Swivel	1.10–1.20 kg	8.5 kN (slip)	48.3 mm	Forged	BS EN 74 /	HDG/ZP
Pressed Right Angle / Fixed	0.82–0.95 kg	10.0 kN (slip)	48.3 mm	Pressed	BS EN 74 / BS1139	ZP/PC
Pressed Swivel	0.90–1.05 kg	8.0 kN (slip)	48.3 mm	Pressed	BS EN 74	ZP/PC
Sleeve Coupler (End-to-End)	0.70–0.85 kg	N/A (compression)	48.3 mm	Forged/Pressed	BS EN 74	HDG/ZP
Putlog / Single Coupler	0.50–0.65 kg	1.2 kN (min slip)	48.3 mm	Pressed	BS 1139	ZP/PC
Girder / Beam Coupler	1.50–2.20 kg	Per load chart	48.3 mm	Forged	BS EN 74	HDG
Board Retaining Coupler	0.35–0.50 kg	N/A	48.3 mm	Pressed	BS 1139	ZP
Ladder Clamp	0.50–0.70 kg	N/A	48.3 mm	Forged	BS 1139	ZP/HDG

Finish Key: HDG = Hot-Dip Galvanized | ZP = Zinc Plated / Gold Passivated | PC = Powder Coated

Finish Key: HDG = Hot-Dip Galvanized | ZP = Zinc Plated / Gold Passivated | PC = Powder Coated

Drop Forged Dual Coupler (American) – Swivel



Features

- Used for connection of 2 tubes at any angle
- Flange Nut – 1/2" BSW Thread × 22 mm AF available
- Eye Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 / 42.0 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Drop Forged Dual Coupler (American) - Right Angle



- Used for connection of 2 tubes at any angle
- Flange Nut – 1/2" BSW Thread × 22 mm AF available
- Eye Bolts – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 / 42.0 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Drop Forged Half Coupler

Features

- UVersatile range of half couplers for a variety of applications requiring the clamping of a single tube
- Nut Size – 1/2" BSW Thread × 21 mm AF
- Available Nut Sizes – 22 / 23 mm AF
- Available Flange Nut Sizes – 22 / 23 mm AF
- Tee Bolt – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 50 Pcs/Bag, 2000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers



Features

- Size – 48.3 mm
- Finish – Hot Dip Galvanised
- Flange Nut – 22 mm
- Tee Bolts – M14 × 85 mm

Categories: All Products, Drop Forged Couplers



Forged Half Coupler with Ladder Hook

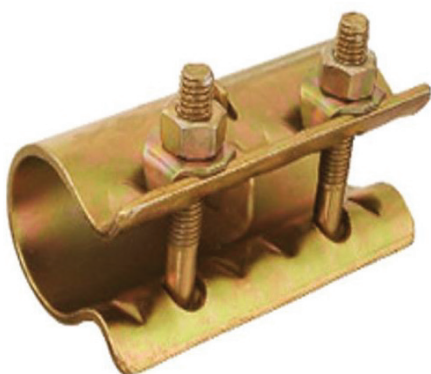


Features

- Size – 48.3 mm
- J – 140 × 68 × 70 × 14 mm
- Finish – Hot Dip Galvanised
- Flange Nut – 22 mm
- Tee Bolts – M14 × 85 mm

Categories: All Products, Drop Forged Couplers

Pressed Sleeve Coupler



Features

- UVersatile range of half couplers for a variety of applications requiring the clamping of a single tube
- Nut Size – 1/2" BSW Thread × 21 mm AF
- Available Nut Sizes – 22 / 23 mm AF
- Available Flange Nut Sizes – 22 / 23 mm AF
- Tee Bolt – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 50 Pcs/Bag, 2000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Pressed Parallel / Fence Coupler



Features

- UVersatile range of half couplers for a variety of applications requiring the clamping of a single tube
- Nut Size – 1/2" BSW Thread × 21 mm AF
- Available Nut Sizes – 22 / 23 mm AF
- Available Flange Nut Sizes – 22 / 23 mm AF
- Tee Bolt – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 50 Pcs/Bag, 2000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Jack:

Solid Universal Jack



Features

- With MCI Cup Nut
- Sizes available:
- 460 × 32 mm
- 670 × 32 mm
- 750 × 32 mm
- 460 × 36 mm
- 670 × 36 mm
- 750 × 36 mm
- Finish – Self Finish or Zinc Plated

Categories: All Products, System & Scaffoldings

Solid Base Jack:

Features

- With MCI Cup Nut
- Sizes available:
- 460 × 32 mm
- 670 × 32 mm
- 750 × 32 mm
- 460 × 36 mm
- 670 × 36 mm
- 750 × 36 mm
- Plate – 150 × 150 × 6 mm, 120 × 120 × 5 mm
- Finish – Self Finish or Zinc Plated

Categories: All Products, System & Scaffoldings



Solid U Head Jack:



Features

- With MCI Cup Nut
- Sizes available:
 - 460 × 32 mm
 - 600 × 32 mm
 - 670 × 32 mm
 - 750 × 32 mm
 - 460 × 36 mm
 - 670 × 36 mm
 - 750 × 36 mm
- U Size – 100 × 100 × 100 × 5 mm (Thickness)
- Finish – Zinc Plated

Categories: All Products, System & Scaffoldings

Hollow Base Jack:



Features

- With Drop Forged Jack Nut
- Sizes available:
 - 450 × 38 × 4 mm
 - 600 × 38 × 4 mm
 - 660 × 38 × 4 mm
 - 760 × 38 × 4 mm
- Plate – 150 × 150 × 5 mm
- Finish – Zinc Plated

Categories: All Products, System & Scaffoldings

Clamps:

Drop Forged Beam Clamp – Fixed



Features

- Used for connection of 2 tubes at any angle
- Flange Nut – 1/2 BSW Thread × 23 mm AF available
- Tee Bolts – 1/2 BSW Thread, available in Mild Steel or Boron Steel
- For 51.0 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 25 Pcs/Bag, 1000 Pcs/Pallet

Categories: All Products, Drop Forged Couplers

Drop Forged Beam Clamp – Swivel:

Features

- Nut Size – 1/2" BSW Thread × 21 mm AF
- Available Flange Nut Sizes – 22 / 23 mm AF
- Tee Bolt – 1/2" BSW Thread, available in Mild Steel or Boron Steel
- Hex Bolt – 5/8" × 76 mm (Mild Steel), Head 21 mm AF
- For 48.3 OD Tube size
- Finish – Zinc Plated
- Std. Packing – 20 Pcs/Bag, 800 Pcs/Pallet

Categories: All Products, Drop Forged Couplers





Saddle Clamp:



Features

- Forged Cap
- Half T Bolt Assembly
- Finish – Zinc Plated

Categories: All Products, Pressed Couplers

Gogo Clamp:



Features

- Casted with a Hex Bolt of 5/8
- Self Finish
- Std. Packing – 100 Pcs/Bag

Categories: All Products, Scaffolding & Formwork Accessories, Scaffoldings

Shuttering Clamp:

Features

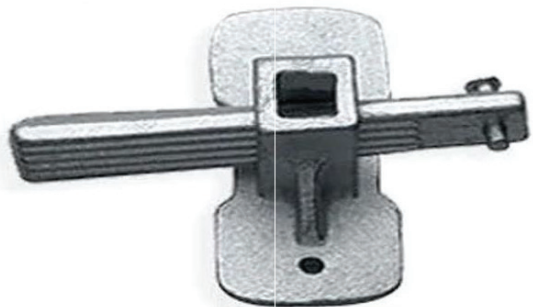
- Mild Steel for Column Formwork
- Sizes – 2.1/2”, 3”, 4”
- Finish – Painted Black or Self Finish
- Std. Packing – Bundles only



Rapid Clamp:

Features

- Wedge Drop Forged
- Body Malleable Casting
- For 6 mm to 8 mm Rod
- Finish – Painted / Electroplated
- Std. Packing – 50 Pcs/Bag





BK GLOBAL
SYNERGIES

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CIN: U32909PB2025PTC064085

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