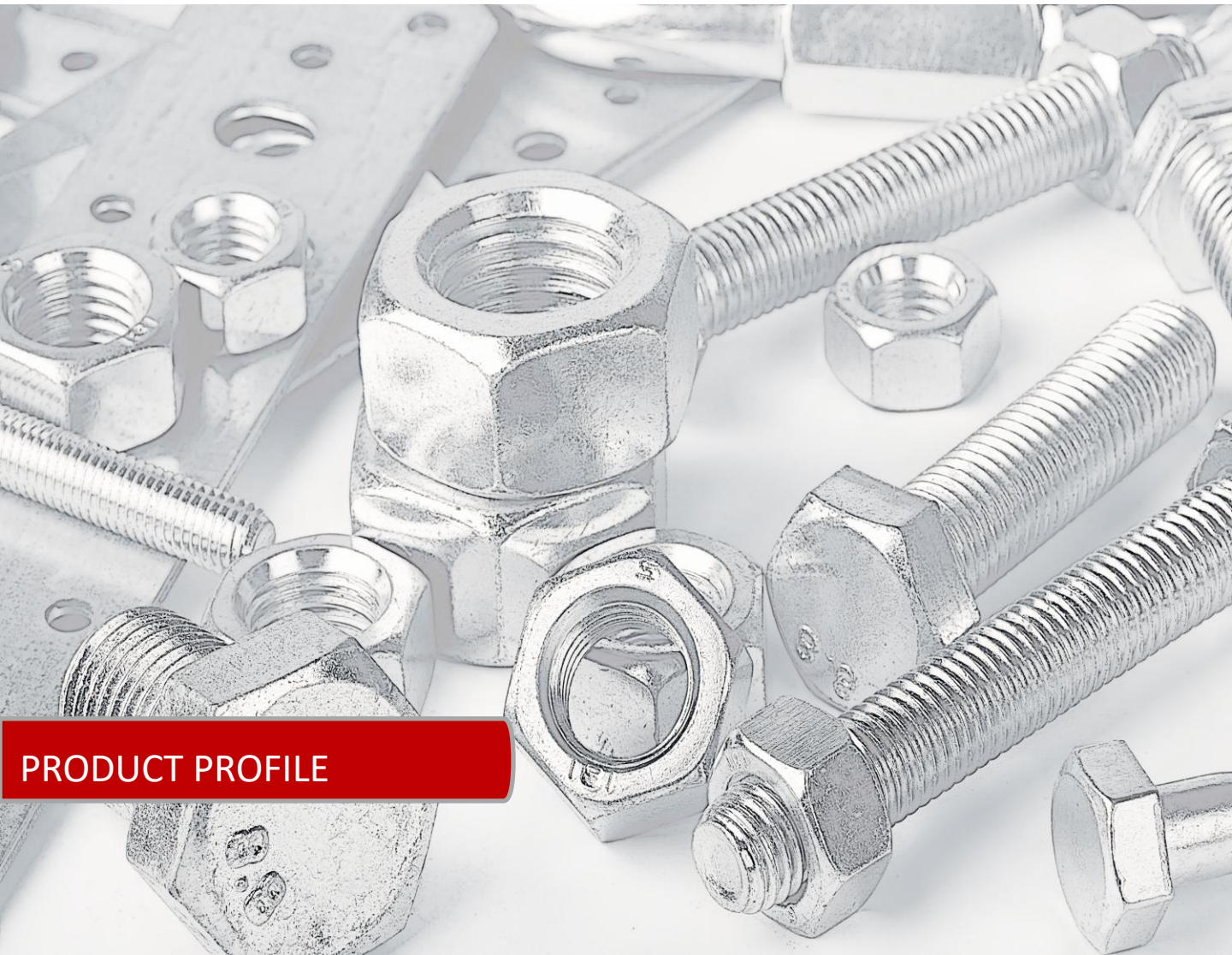
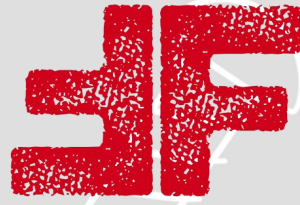




FORGED BOLTS



PRODUCT PROFILE



FORGED BOLTS

QUALITY ASSURED

ECONOMICAL SOLUTIONS

TECHNICAL ASSISTANCE

OIL & GAS

CONSTRUCTION

INDUSTRIAL

WOOD WORKS

MEP WORKS

ROADS AND RAILWAYS

STANDARDS



GRADES

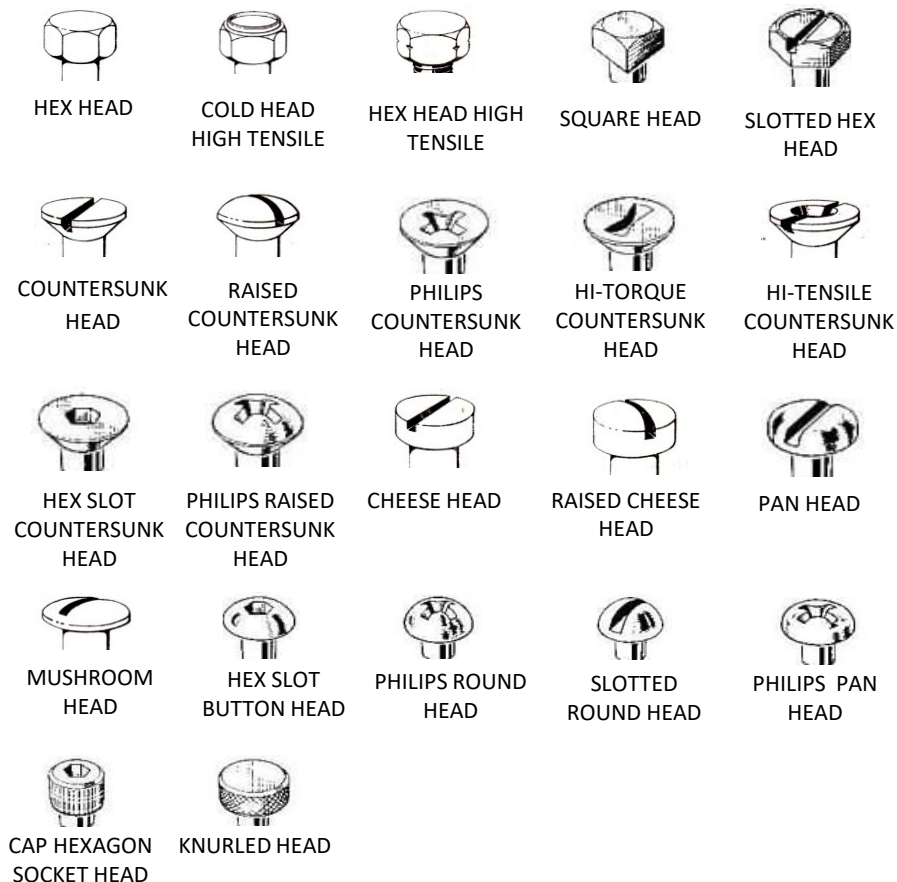
GRADE	TENSILE Strength (MIN)	Yield Stress (min)
4.6	390.00	230.00
4.8	390.00	310.00
5.6	490.00	290.00
5.8	490.00	390.00
6.6	580.00	350.00
6.8	580.00	470.00
8.8	780.00	620.00
10.9	980.00	880.00
12.9	11700.00	1050.00
14.9	1370.00	1230.00
A2-50	500.00	450.00
A2-70	700.00	450.00
A4-70	700.00	600.00
A4-80	800.00	600.00

All strength and stress values are in N/mm2

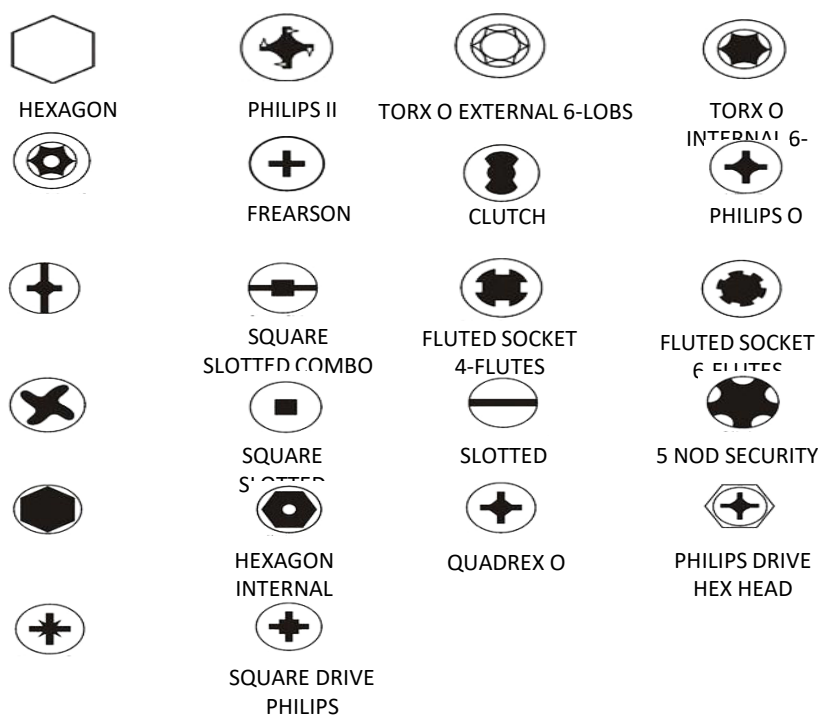
FINISHES

STEEL	STAINLESSSTEEL A4
BLACK ZINC PLATED	STAINLESSSTEEL A2
GALVANIZED	WHITE ZINC PLATED
BLUE GALVANIZED	ZINC PLATED
	HOT DIP GALVANIZED
NICKEL PLATED	
CHROME PLATED	ALUMINIUM

HEAD TYPES



DRIVE TYPES





BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 84 / ISO 1207***			GRADE			FINISH		
Slotted Cheese Head Screw			4.8	5.8	8.8	NP	CR	ZP
			A2	A4				

DIN 85 / ISO 1580**			GRADE			FINISH		
Slotted Pan Head Screw			4.8	5.8	8.8	NP	CR	ZP
			A2	A4				

ISO 7380			GRADE			FINISH		
Mushroom Head Screw			4.8	5.8	8.8	NP	CR	ZP
			10.9	A2	A4			

ISO 14583			GRADE			FINISH		
Cup Head Screw		 	4.8	5.8	8.8	NP	CR	ZP
			A2	A4				

DIN 95			GRADE			FINISH		
Slotted Raised Countersunk Head Wood Screw			STD			NP	CR	ZP
			A2	A4	HDG			

DIN 96			GRADE			FINISH		
Slotted Round Head Wood Screw			STD			NP	CR	ZP
			A2	A4	HD G			

DIN 97		  	GRADE			FINISH		
Slotted Countersunk Head Wood Screw			STD			NP	CR	ZP
			A2	A4	HDG			

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.

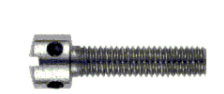


BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 186 A T-Head Bolts with Square Neck			GRADE STD A2 A4	FINISH HD G ZP
DIN 188 T-Head Bolts With Double Nip			GRADE STD A2 A4	FINISH HDG ZP
DIN 188 / HALFEN T-Headed Bolts Hook Type for Profiles			GRADE STD A2 A4	FINISH HDG ZP
DIN 261 T-Headed Bolt			GRADE STD A2 A4	FINISH HDG ZP
DIN 404 Slotted Capstan Screw	 		GRADE STD A2 A4	FINISH NP CR ZP
DIN 444 Eye Bolts			GRADE STD A2 A4	FINISH ZP
DIN 478 Square Headed Bolts With Collar			GRADE 4.8 5.8 8.8 10.9	FINISH ZP

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 479 Square Headed Bolt With dog point end			GRADE 4.8 5.8 8.8 10.9	FINISH ZP
DIN 480 T-Head Bolts With Double Nip			GRADE 4.8 5.8 8.8 10.9	FINISH ZP
DIN 558 / ISO 4018*** HEX Head Full Threaded Screw			GRADE 4.6 5.6	FINISH HDG ZP
DIN 571 HEX Head Wood Screws			GRADE 4.6 A2 A4	FINISH HDG ZP
DIN 601 / ISO 4016*** HEX Head Bolt			GRADE 4.6	FINISH HDG ZP
DIN 603 / ISO 8677 Cup Head Square Neck Bolt			GRADE 4.6 8.8 A2 A4	FINISH HDG ZP
DIN 604 Flat Countersunk Nib Bolt			GRADE 4.6 8.8	FINISH ZP

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 605			GRADE	FINISH
Flat Countersunk Square Neck Bolt			4.6	ZP
DIN 607			GRADE	FINISH
Cub Head Nib Bolt			4.6	ZP
DIN 608			GRADE	FINISH
Flat Countersunk Square Neck Bolt With Short Square			4.6	8.8
				ZP
DIN 609			GRADE	FINISH
HEX Head Fix Bolt with Long Thread			5.6	
			A2	A4
DIN 610^			GRADE	FINISH
HEX Head Fix Bolt With Short Thread			5.6	
			A2	A4
DIN 787 / ISO 229*			GRADE	FINISH
T-Slot Screw			12.9	
DIN 792			GRADE	FINISH
Countersunk Cheese Head Screw			4.6	8.8
			5.6	HDG
				ZP

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 912 / ISO 4762* Hexagon Socket Head Cap Screw	 	 <table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>8.8</td><td>10.9</td><td>NP</td><td>CR</td><td>ZP</td></tr><tr><td>12.9</td><td>A2</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			8.8	10.9	NP	CR	ZP	12.9	A2			
GRADE		FINISH															
8.8	10.9	NP	CR	ZP													
12.9	A2																

DIN 913 / ISO 4026* Hexagon Socket Set Screw With Flat point	 	<table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>45 H</td><td></td><td></td><td></td><td>ZP</td></tr><tr><td>A2</td><td>A5</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			45 H				ZP	A2	A5			
GRADE		FINISH															
45 H				ZP													
A2	A5																

DIN 914 / ISO 4027* Hexagon Socket Set Screw With Cone Point	 	<table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>45 H</td><td></td><td></td><td></td><td>ZP</td></tr><tr><td>A2</td><td>A5</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			45 H				ZP	A2	A5			
GRADE		FINISH															
45 H				ZP													
A2	A5																

DIN 915 / ISO 4028* Hexagon Socket Set Screw With Full Dog point	 	<table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>45 H</td><td></td><td></td><td></td><td>ZP</td></tr><tr><td>A2</td><td>A5</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			45 H				ZP	A2	A5			
GRADE		FINISH															
45 H				ZP													
A2	A5																

DIN 916 / ISO 4029* Hexagon Socket Set Screw With Cup Point	 	<table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>5.6</td><td></td><td></td><td></td><td>ZP</td></tr><tr><td>A2</td><td>A4</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			5.6				ZP	A2	A4			
GRADE		FINISH															
5.6				ZP													
A2	A4																

DIN 920 Slotted Small Cheese Head Screw	 	 <table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>5.8</td><td></td><td>NP</td><td>CR</td><td>ZP</td></tr><tr><td>A2</td><td>A5</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			5.8		NP	CR	ZP	A2	A5			
GRADE		FINISH															
5.8		NP	CR	ZP													
A2	A5																

DIN 921 Slotted Large Cheese Head Screw	 	 <table><tr><th colspan="2">GRADE</th><th colspan="3">FINISH</th></tr><tr><td>5.8</td><td></td><td>NP</td><td>CR</td><td>ZP</td></tr><tr><td>A2</td><td>A5</td><td></td><td></td><td></td></tr></table>	GRADE		FINISH			5.8		NP	CR	ZP	A2	A5			
GRADE		FINISH															
5.8		NP	CR	ZP													
A2	A5																

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 922 Slotted Mushroom Head Screw			GRADE 5.8 A1 A5	FINISH NP ZP
DIN 923 Slotted Cheese Head Shoulder Screw			GRADE 5.8 A1 A5	FINISH NP CR ZP
DIN 924 Slotted Raised Countersunk Screws with Cone			GRADE 5.8 A1 A5	FINISH NP ZP
DIN 925 Slotted Countersunk Head Screw with cone			GRADE 5.8 A1 A5	FINISH NP ZP
DIN 926 Slotted Threaded Pins With Cone			GRADE 14 H A2 A5	FINISH NP ZP
DIN 927 Slotted Shoulder Screw			GRADE 14 H A2 A5	FINISH NP ZP
DIN 931 / ISO 4014*** Hex Head Bolt With Shank			GRADE 5.6 8.8 10.9 12.9 A2 A4	FINISH NP CR ZP HDG

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 933 / ISO 4017***

Full Threaded Hex Head Bolt



GRADE

5.6

8.8

10.9

FINISH

NP

CR

ZP

12.9

A2

A4

HDG

DIN 960 / ISO 8765***

Hex Head Bolt
With shank
Fine pitch Threaded



GRADE

5.6

8.8

10.9

FINISH

ZP

12.9

A2

A4

DIN 961 / ISO 8676***

Full Threaded Hex Head Bolt
With Fine pitch Threaded



GRADE

5.6

8.8

10.9

FINISH

ZP

12.9

A2

A4

DIN 963 / ISO 2009***

Slotted Countersunk Head Screw



GRADE

4.8

5.8

8.8

FINISH

NP

CR

ZP

A2

A4

DIN 964 / ISO 2010***

Slotted Raised Countersunk Head Screw



GRADE

4.8

5.8

8.8

FINISH

NP

CR

ZP

A2

A4

DIN 965

Countersunk Head Screw
With Torx Drive



GRADE

4.8

8.8

FINISH

NP

CR

ZP

A2

A4

DIN 966 / ISO 7047***

Raised Countersunk Head Screw
With Torx Drive



GRADE

4.8

5.8

8.8

FINISH

NP

CR

ZP

A2

A4

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.



BOLTS & SCREWS

DIN / ISO / EN / ASTM



FORGED BOLTS

DIN 967 Pan Head Screw With Collar			GRADE 4.8 5.8 8.8 A2 A4	FINISH NP CR ZP
				

DIN 968 Pan Head Tapper Screw With Collar			GRADE 4.8 5.8 8.8 A2 A4	FINISH NP CR ZP
				

DIN 5903 Fish Bolt With oval Neck Round / Square head			GRADE 4.8	FINISH ZP
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DIN 5914 Base Plate Screw With Square Head			GRADE St	FINISH HDG
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DIN 6332 Grub Screw With Thrust Point			GRADE 5.8 8.8	FINISH ZP
---	---	---	--	---------------------------------

DIN 6900 / 6901 Ready to Install Screw and Washer assembly			GRADE 4.8 8.8 A2 A4	FINISH NP CR ZP
				

DIN 6912 Hex Socket Head Cap Screw with low Head & Centre			GRADE 8.8 10.9 A2 A4	FINISH NP ZP
				

*Interchangeable DIN / ISO / EN
*** Standards converted

** Almost interchangeable DIN / ISO / EN
^ DIN standard withdrawn without replacement.

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Our expertise in Pre-Installed anchor bolts shall help you identifying the best options for your requirements



U-BOLTS AND EYE BOLTS

We can supply custom made U Bolts and Eye-Bolts.



STEEL DOWELS

Steel Dowels of any finish can be machined.



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Hi- Quality Lifting Bolts and Hooks



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We can supply a wide range of threaded rods with variety of materials and finishes.

M8 – M52



THREADED RODS

Economical threaded rods of 3m and 6m for all your MEP requirements.



FASTENERS



CONNECTORS





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www.powerbuildtrading.com



POWER BUILD
STEEL TRADING COMPANY.

Dubai, United Arab Emirates
www.powerbuildtrading.com

+971 4 257 5836
sales@powerbuildtrading.com