

BK

B.K AUTOMATICS

COMMITMENT | VALUE ADDITION | EXCELLENCE

FFI

FORGE HI INDIA

B.K Automatics

Commitment | Value addition | Excellence

B.K Automatics group of companies, founded in 1995 is one of the leading manufacturers and exporter of automotive components and industrial fasteners from India, serving the needs of various sectors like automobiles, electronics, agricultural equipment's and machine building.

We have exceptional, in house manufacturing facilities, that includes machining, hot forging, surface finishing, heat treatment and our in house cold forging facility, Forge Fit India (FFI). We are an IATF 16949:2016 certified company and we follow TPM approach religiously.



The company achieved an annual sales turnover of INR 75 crores, in the financial year 2020-2021 and by growing with a growth rate of 10% we prove to be the most reliable business by always standing by our motto, i.e. Commitment, Value addition and Excellence. We aim at expanding our business across the globe through continuous improvement and technological advancements.

Our Vision

To be the leader amongst the automotive manufacturing companies, by constantly evolving and by being ready to encounter the challenges of the global market with high commitment and passion.

Our Mission

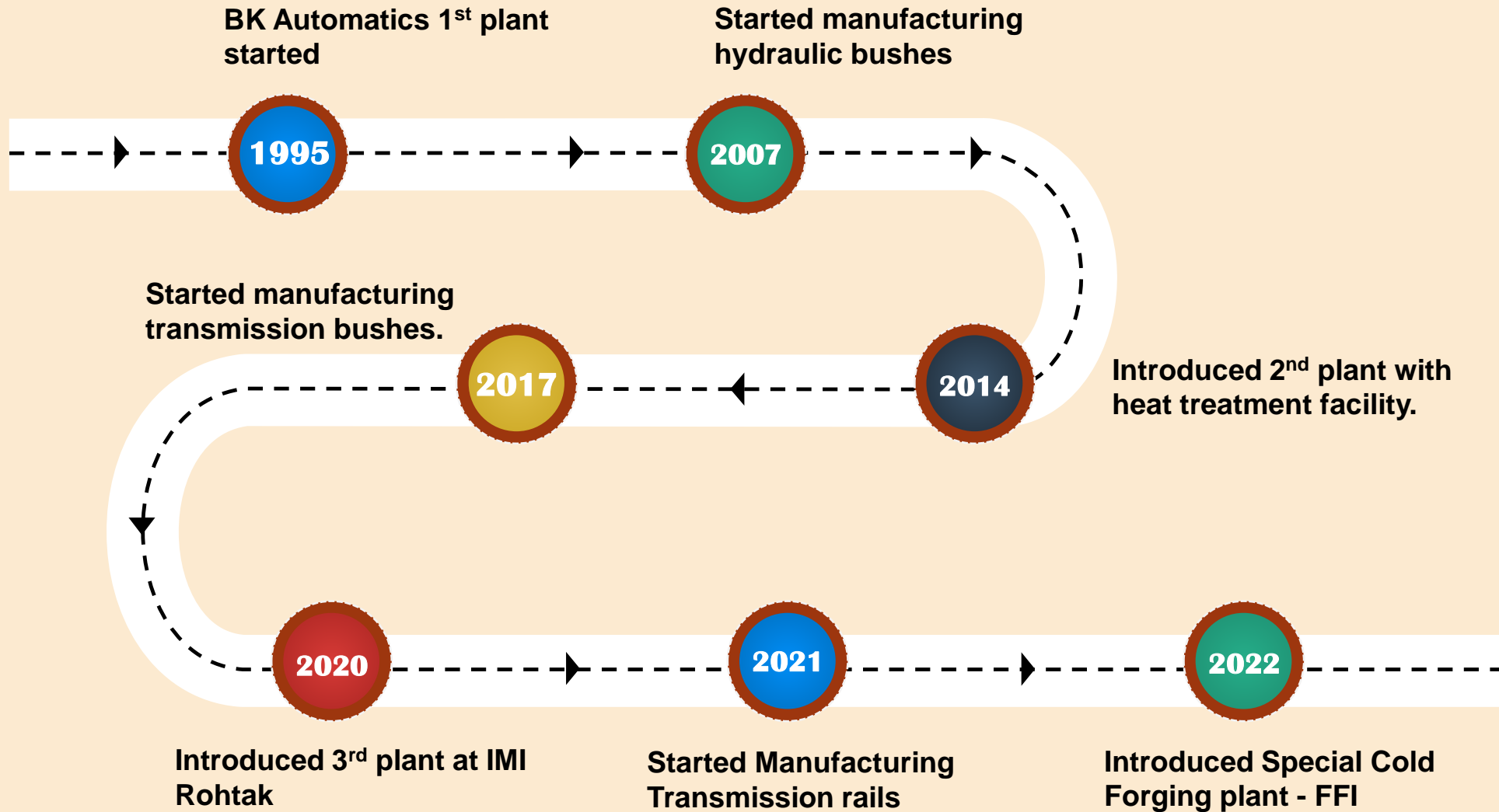
1. To work efficiently by meeting total customer satisfaction for the prosperity and growth of our associates as well as for us, as a company.
2. To create jobs by continuing to develop the human resources that are beneficial to the company, the community and the nation by providing a safe and healthy environment.

Our Policy

We achieve total customer satisfaction through, Total Productive Maintenance (TPM) policy, for the elimination of defect and waste.

We Follow TPM (Total Productive Maintenance); a holistic approach to equipment maintenance that strives to achieve perfect production that values safe working environments.

Ranjan Dhall
M.D. B.K Group



B.K Auto
Plant 1



World class Machining facilities for manufacturing precision machined parts.

B.K Auto
Plant 2



Extra ordinary Machining and plating facilities for manufacturing precision machined parts.

Forge Fit
India (FFI)



FFI is our major strength for forging parts and we manufacture both standard and special fasteners.

Certifications



Quality System



E.M.S.



OHSAS

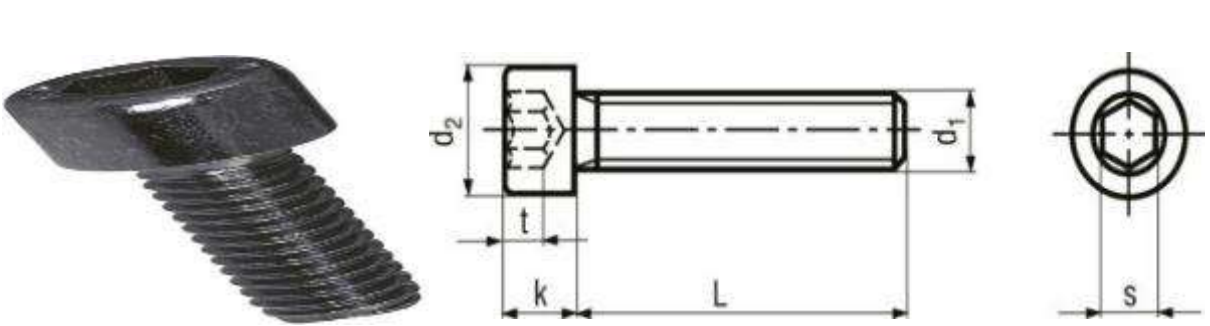
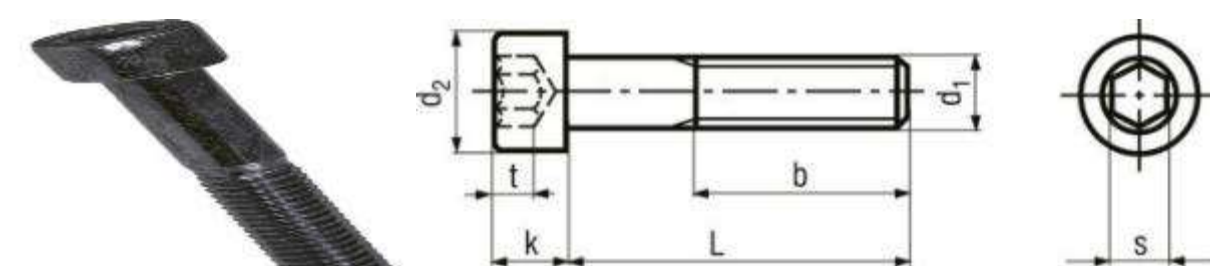
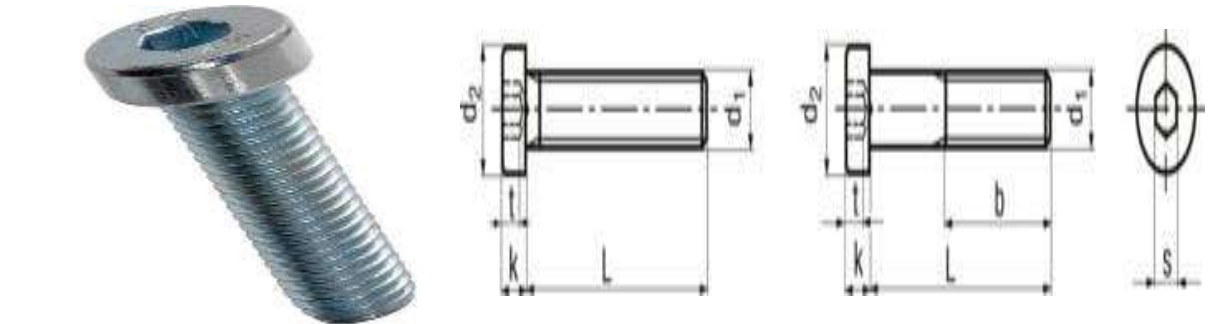
We are certified for IATF 16949 quality standard, ISO 14001 E.M.S. and ISO 45000 for OHSAS.

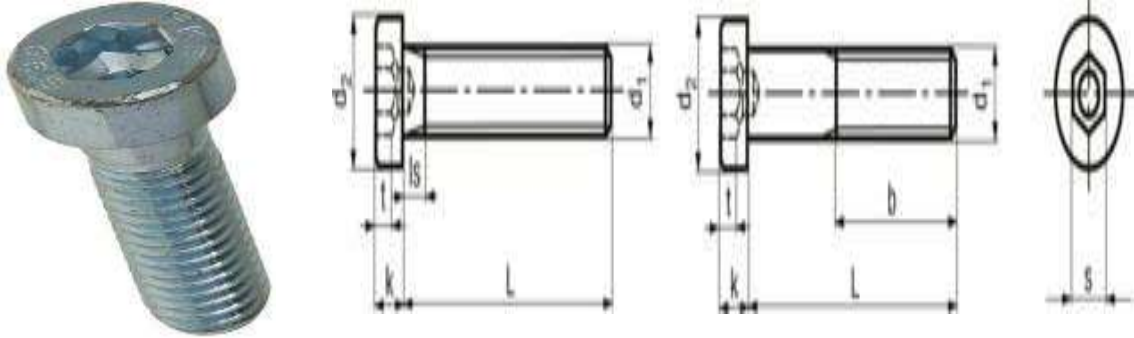
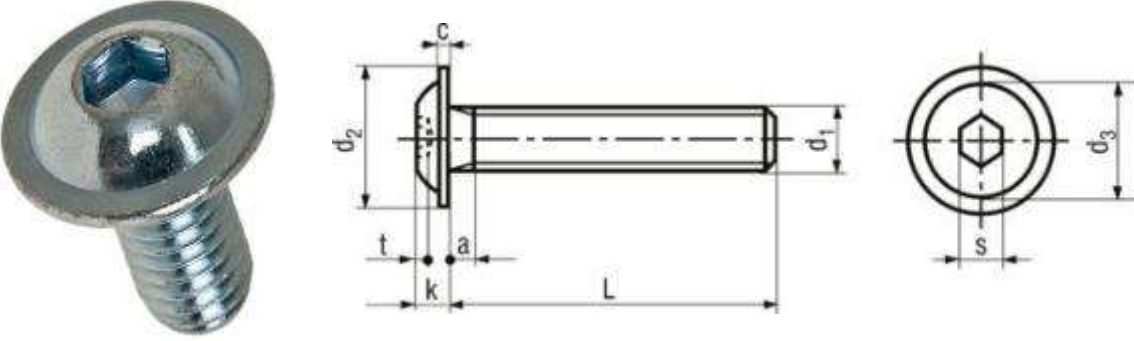
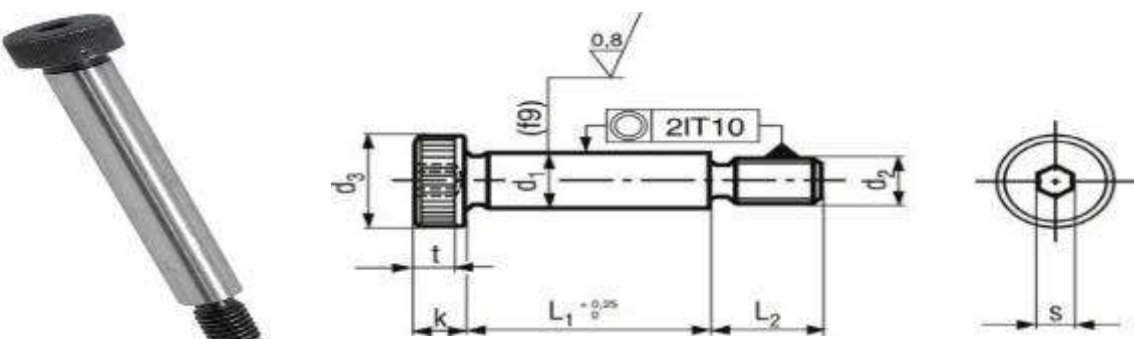
Valuable Customers



Quality Audits with Detail QAV Check sheet has been cleared for below customers



Description	Details	Range	Ref. Std.
Hex Socket Head Cap Screws Fully Threaded		Dia - M3 to M36 Length - up to 100mm	Din 912 - ISO 4762
Hex socket head cap screws partially threaded		Dia - M3 to M36 Length - up to 200mm	DIN-912, ISO-4762
Hex socket head cap screws with low head, partially / fully threaded		Dia - M3 to M16 Length - up to 40mm	DIN-7984

Description	Details	Range	Ref. Std.
Hex socket head cap screws with low head and pilot recess, partially / fully		Dia - M4 to M10 Length - up to 30 mm	DIN 6912
Hex socket button head cap screws with collar fully threaded		Dia - M4 to M10 Length - up to 40 mm	ISO-7380-1, ISO-7380-2
Hex socket head shoulder bolt		Dia - M5 to M20 Length - up to 120 mm	BN 1359

Description	Details	Range	Ref. Std.
Hex socket flat countersunk head screws fully threaded		Dia - M4 to M16 Length - up to 50 mm	DIN-7991, ISO-10642, ISO-14581
Hex socket button head cap screws with collar fully threaded		Dia - M3 to M10 Length - up to 40 mm	ISO-7380-1
Hexalobular (6 Lobe) socket head cap screws with low head, fully threaded		Dia - M3 to M8 Length - up to 50 mm	ISO-14580

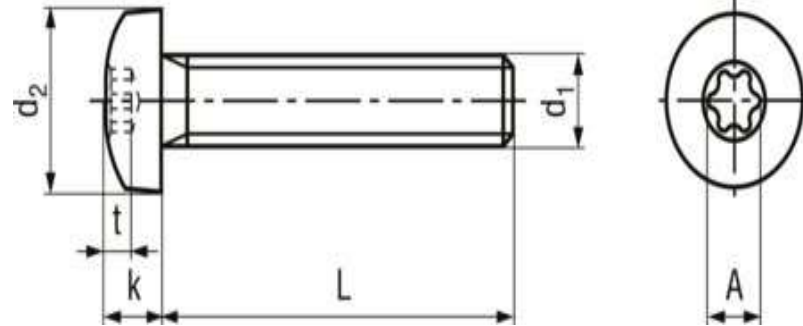
Description

Details

Range

Ref. Std.

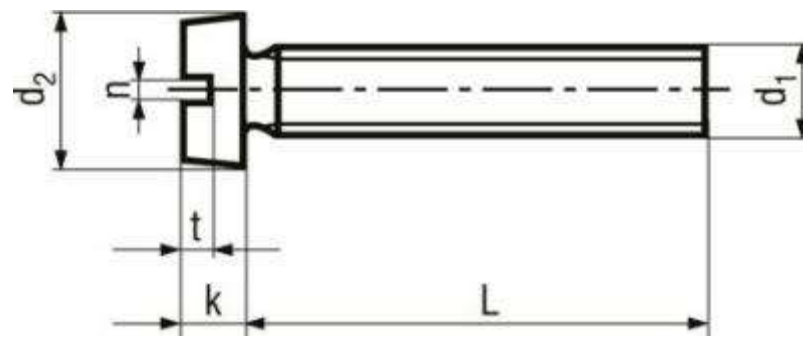
Hexalobular (6 Lobe) socket pan head screws fully threaded



Dia - M2 to M8
Length - up to 40mm

ISO-14583

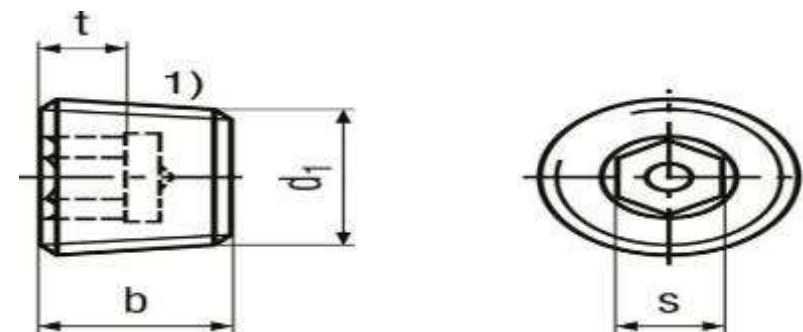
Slotted cheese head machine screws



Dia - M1.6 to M10
Length - up to 60mm

DIN-84A, ISO-1207

Hex socket pipe plugs metric fine thread BN 40



Dia - M8x1 to M20x1.5
Length - up to 60mm

DIN-906

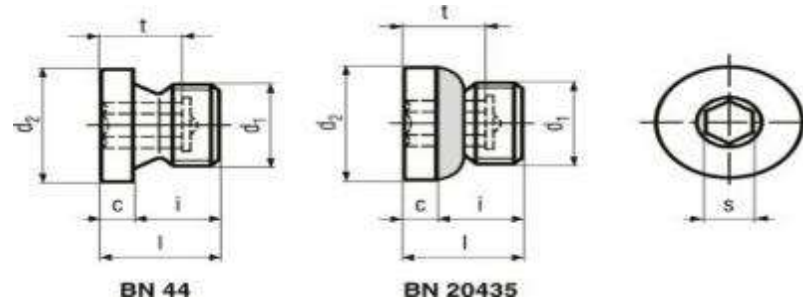
Description

Details

Range

Ref. Std.

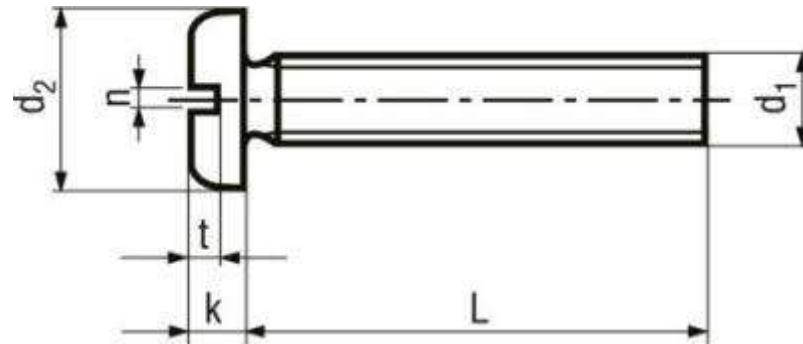
Hex socket screw
plugs metric fine
thread



Dia - M8x1 to
M36x1,5
Length - up to 5mm

DIN-908

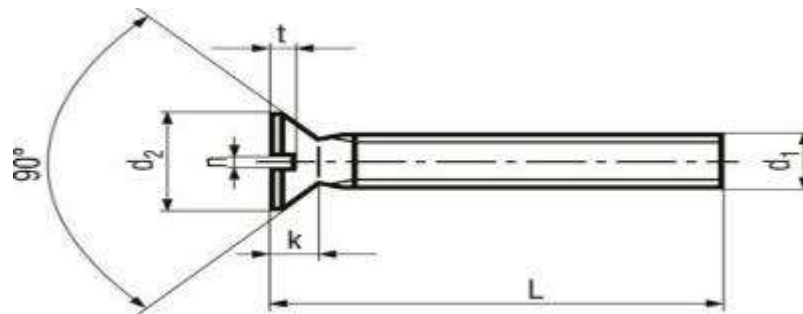
Slotted pan head
machine screws



Dia - M2,5 to(M8)
Length - up to 90mm

ISO-1580, DIN-85A

Slotted flat
countersunk head
machine screws

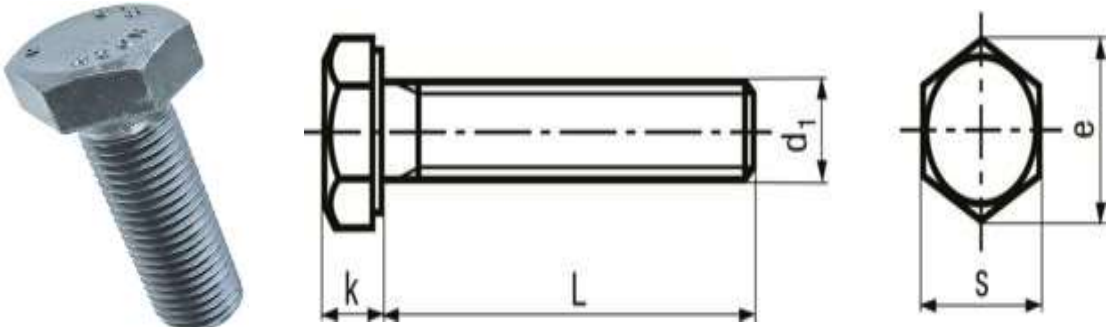
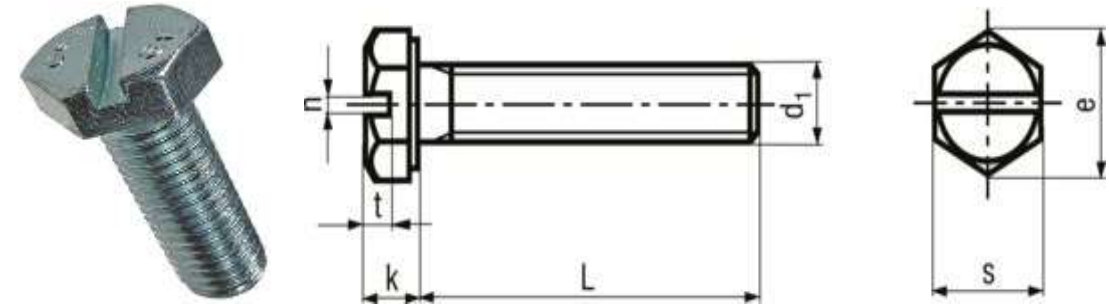
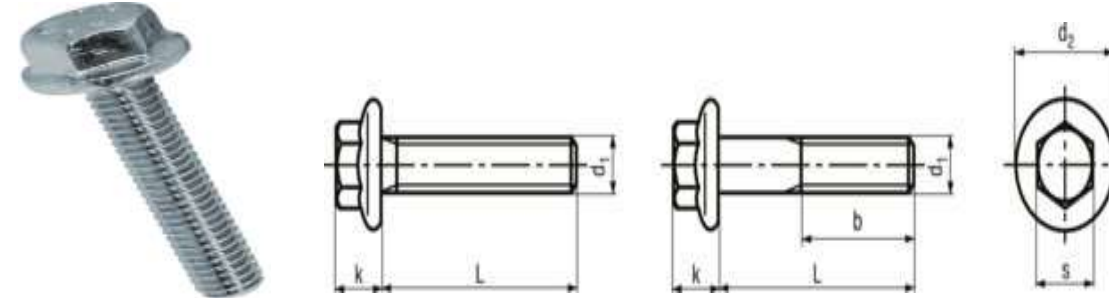


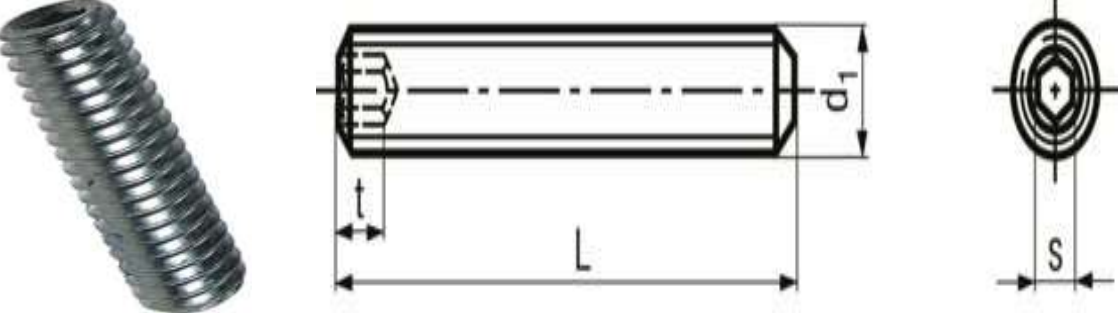
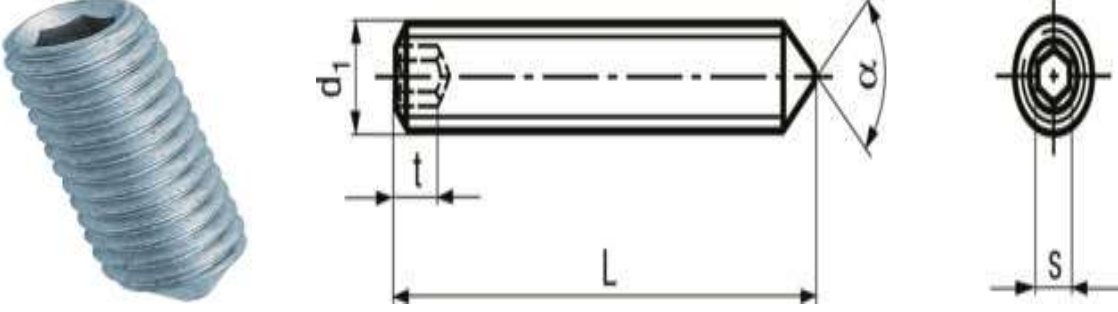
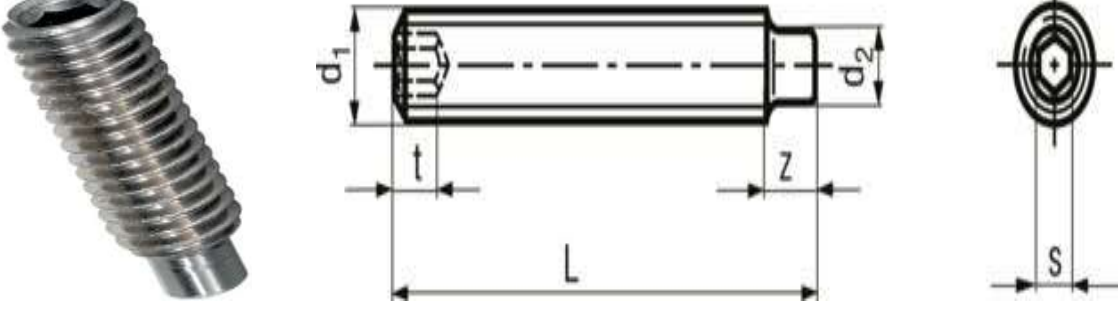
Dia - M1,6 to M8
Length - up to

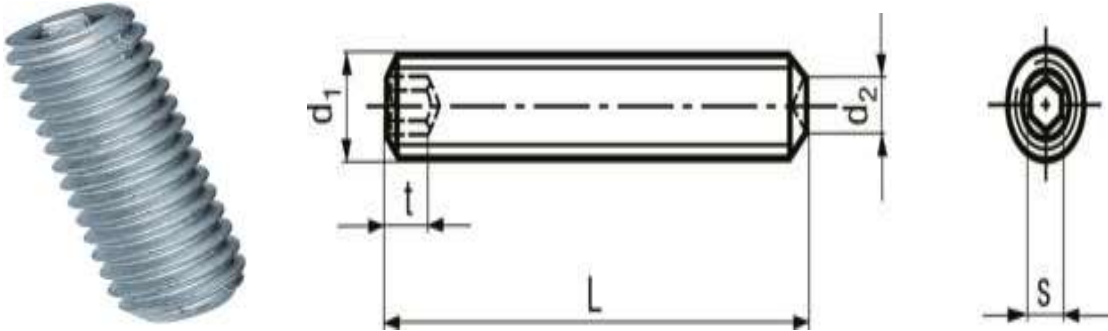
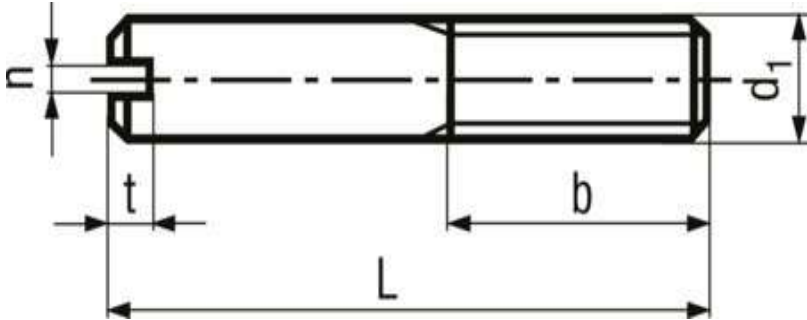
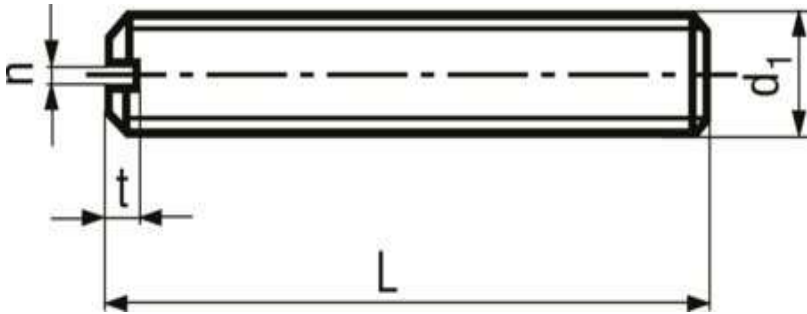
ISO-2009, DIN-963A

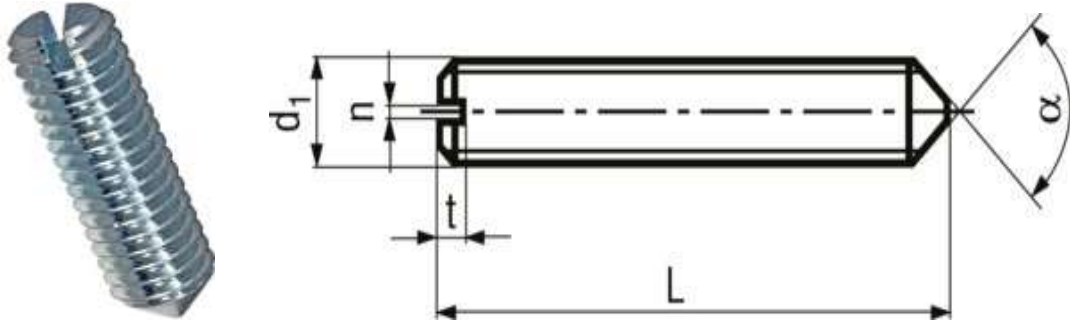
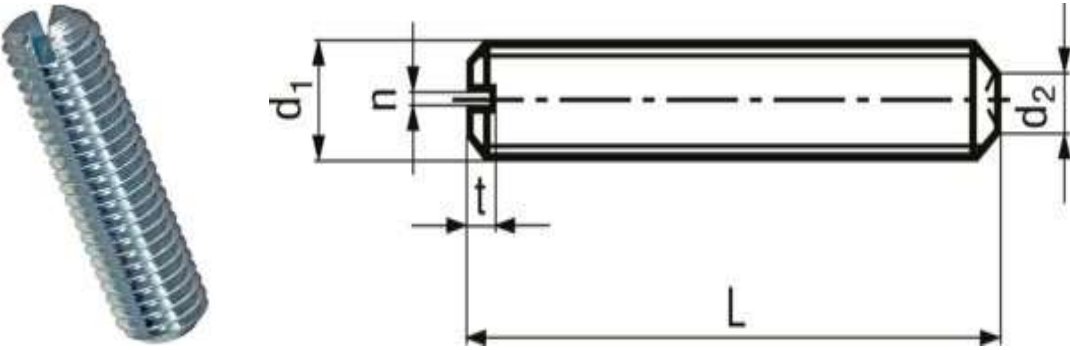
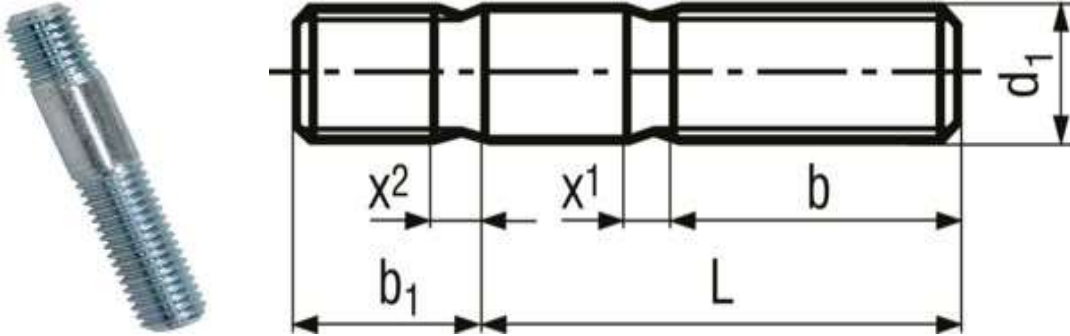
Description	Details	Range	Ref. Std.
Slotted oval countersunk head machine screws		Dia - M2 to M8 Length - up to 80mm	DIN-964A, ISO-2010
Phillips cheese head machine screws form H		Dia - M2 to 6M Length - up to 60mm	ISO-7048
Phillips flat countersunk head machine screws form H		Dia - M2 to M8 Length - up to 80	DIN-965A

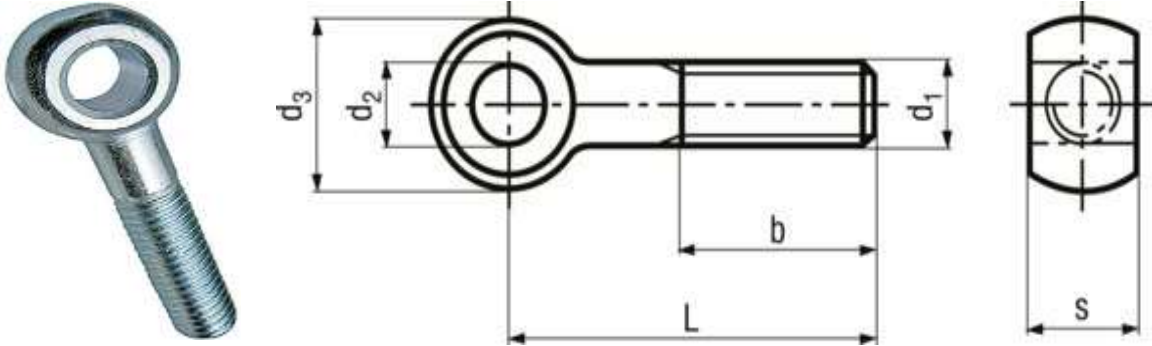
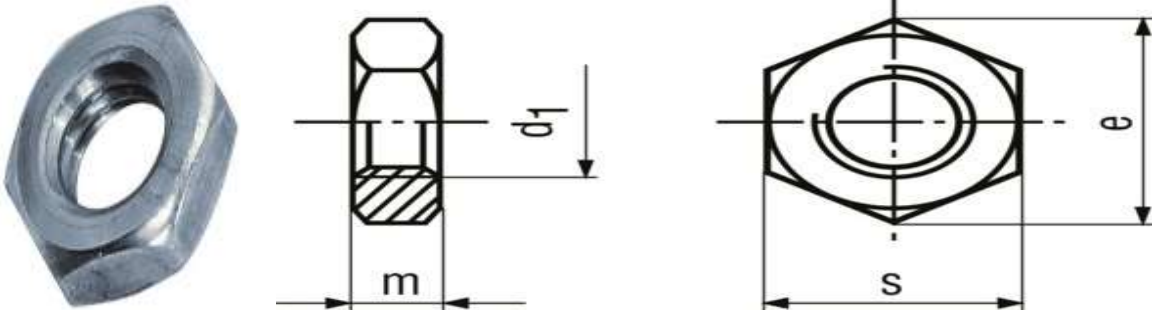
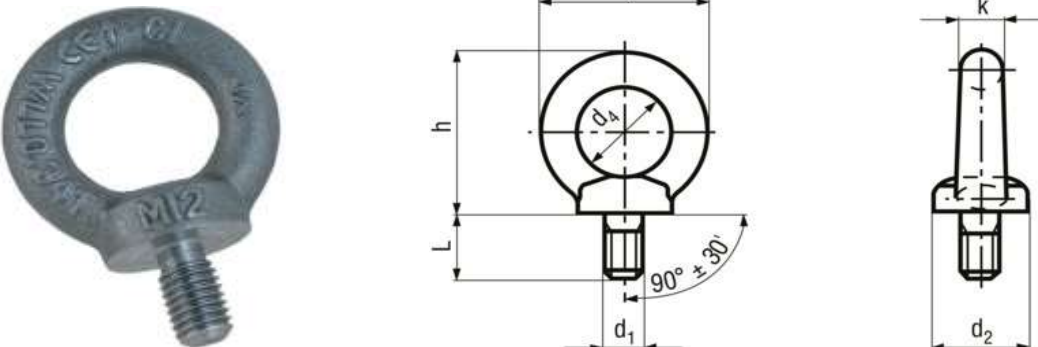
Description	Details	Range	Ref. Std.
Phillips oval countersunk head machine screws form H		Dia - M2 to M8 Length - up to 40mm	BN 392
Hex head screws fully threaded		Dia - M3 to M30 Length - up to 220mm	BN 56
Banjo bolts standard design		Dia - M8 to M22 Length - up to 50mm	DIN-7643

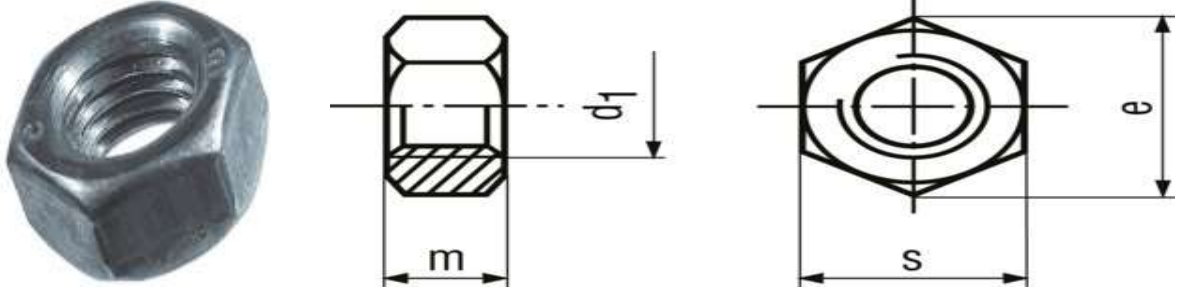
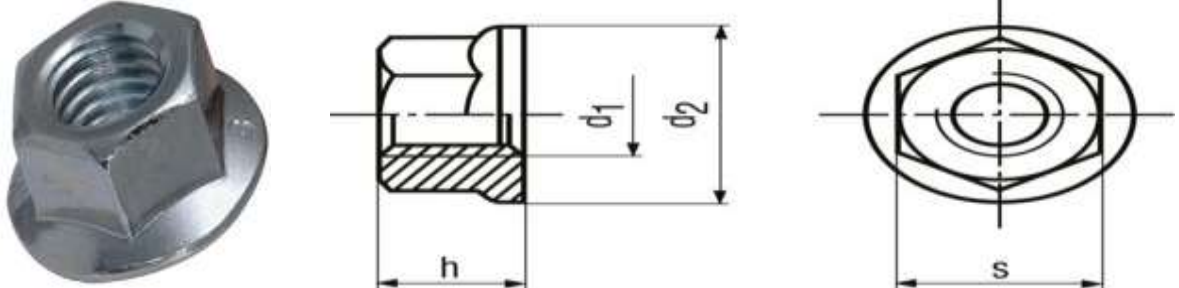
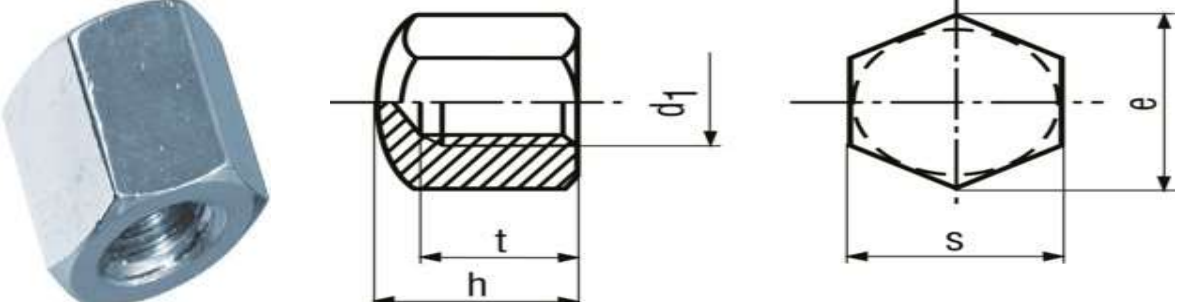
Description	Details	Range	Ref. Std.
Hex head screws fully threaded, with metric fine thread		Dia - M8 to M14 Length - up to 40mm	DIN-961, ISO-8676
Slotted hex head screws fully threaded		Dia - M4 to M8 Length - up to 40mm	DIN-933 Sz, ISO-4017
Hex head flange screws / bolts partially / fully threaded		Dia - M6 to M16 Length - up to 80mm	DIN-6921

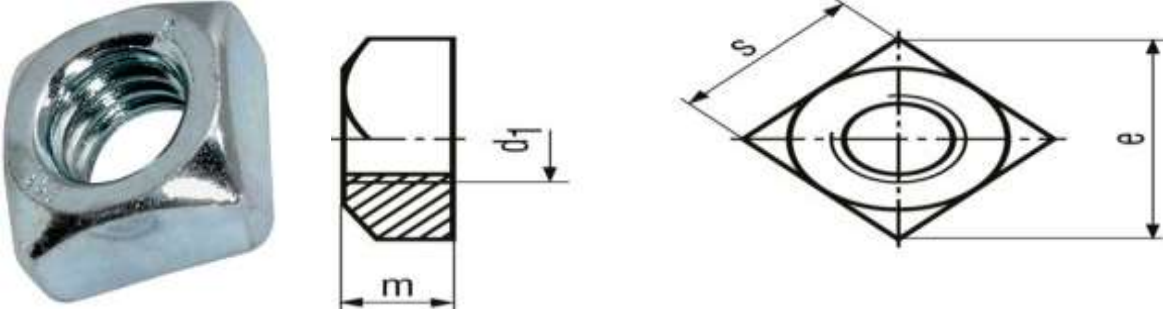
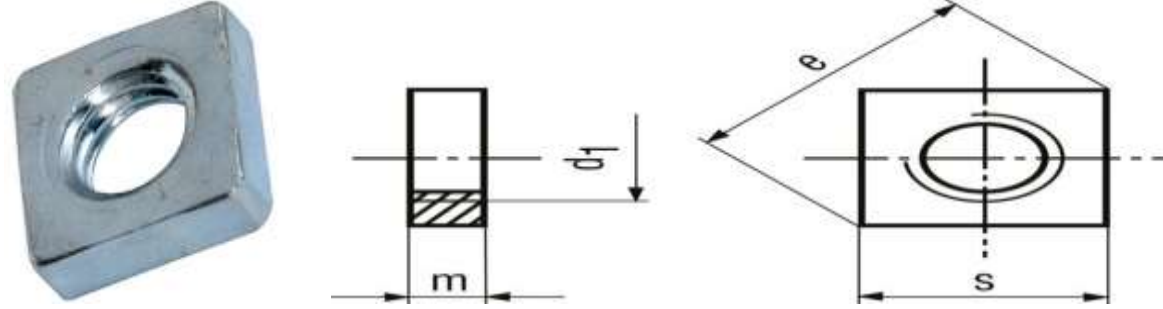
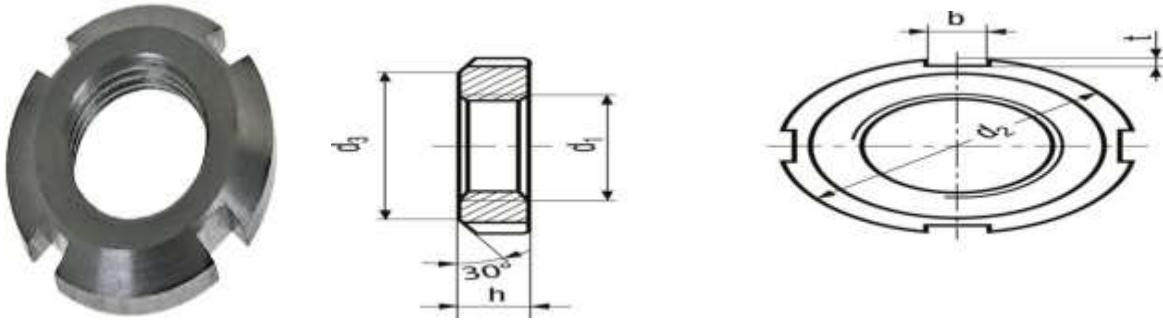
Description	Details	Range	Ref. Std.
Hex socket set screws with flat point		Dia - M3 to M6 Length - up to 60mm	BN 28
Hex socket set screws with cone point		Dia - M3 to M6 Length - up to 50mm	BN 29
Hex socket set screws with dog point		Dia - M3 to M12 Length - up to 40mm	BN 619

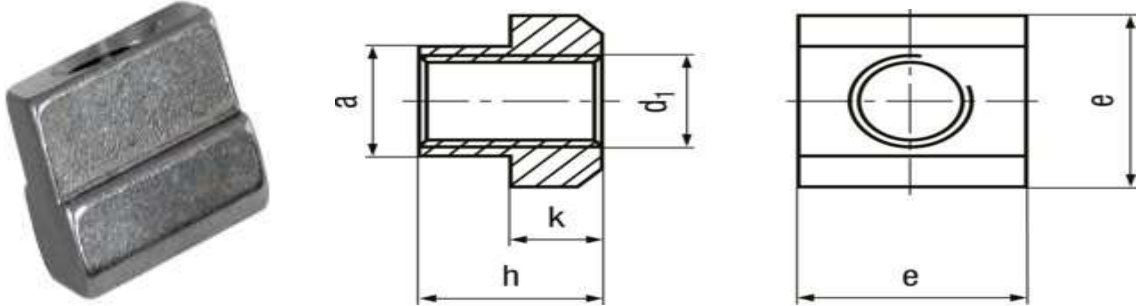
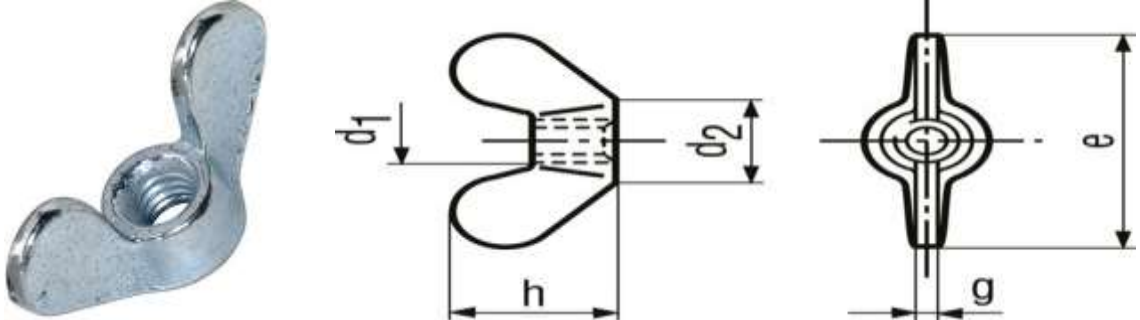
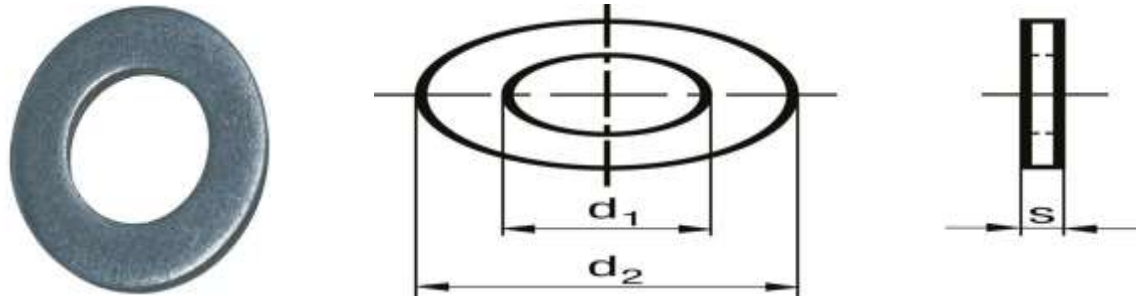
Description	Details	Range	Ref. Std.
Hex socket set screws with cup point		Dia - M3 to M6 Length - up to 25mm	ISO-4029, DIN-916
Slotted set screws partially threaded with chamfered end		Dia - M3 to M12 Length - up to 40mm	BN 433
Slotted set screws with flat point, chamfered		Dia - M2 to M16 Length - up to 60mm	BN 427

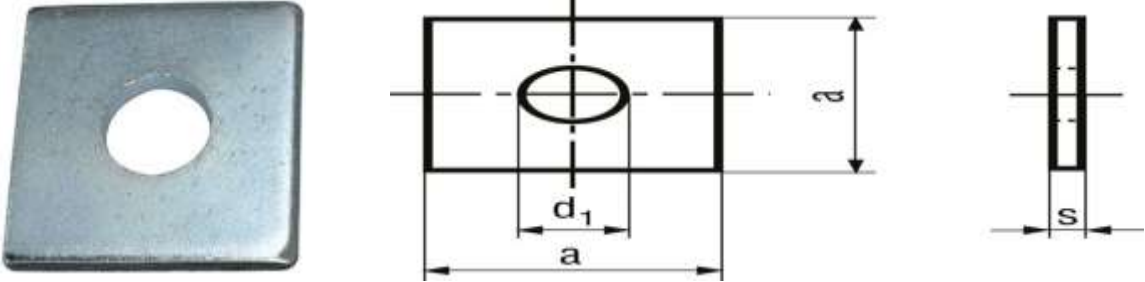
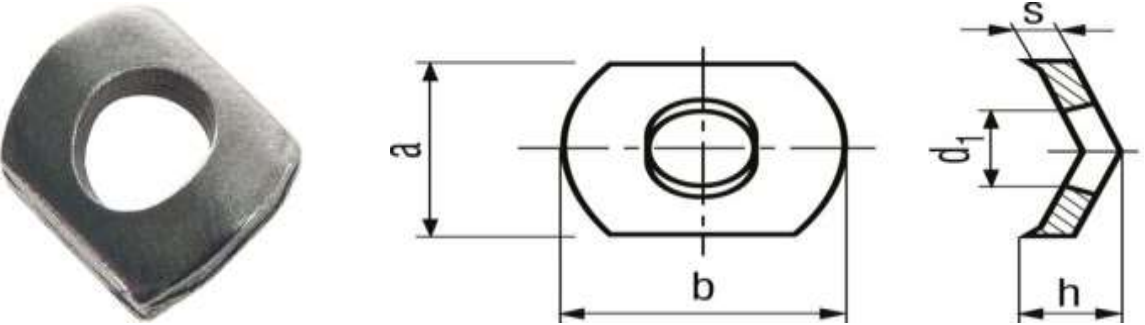
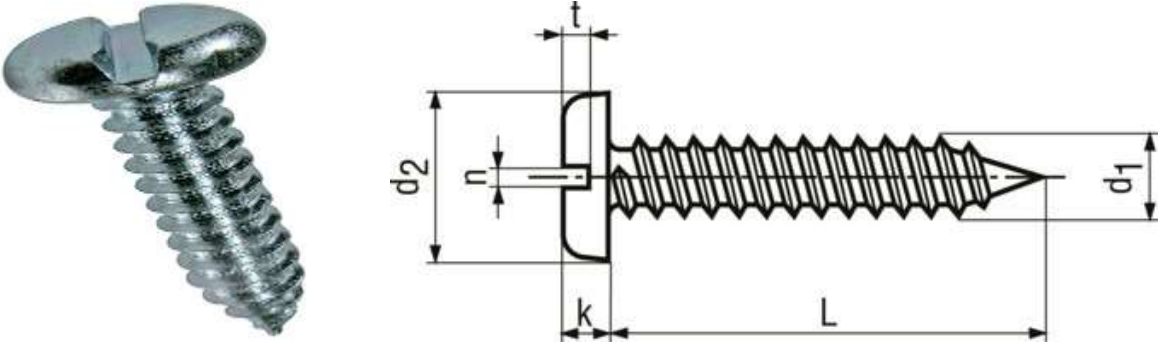
Description	Details	Range	Ref. Std.
Slotted set screws with cone point		Dia - M2 to M8 Length - up to 60mm	BN 429
Slotted set screws with cup point		Dia - M3 to M6 Length - up to 10mm	BN 431
Stud bolts tap end without interference fit, length ~1,25d		Dia - M5 to M16 Length - up to 60mm	BN 1434

Description	Details	Range	Ref. Std.
Eye bolts		Dia - M6 to M16 Length - up to 180mm	BN 1940
Hex jam nuts ~0,5d		Dia - M2 to M39 Length - up to 66.44mm	DIN-580, ISO-3266
Hexagon nuts type 1		Dia - M6 to M16 Length - up to 80mm	ISO-4027, DIN-914

Description	Details	Range	Ref. Std.
Hexagon nuts type 1		Dia - M5 to M24 Length - up to 3955mm	DIN-934, ISO-4033
Hex flange nuts		Dia - M3 to M20 Length - up to 42.8mm	DIN-6923, EN-1661
Hex cap nuts low type		Dia - M16 to M24 Length - up to 39.55mm	DIN-917

Description	Details	Range	Ref. Std.
Square nuts		<p>Dia - M4 to M24 Length - up to 45.5mm</p>	<p>DIN-557</p>
Square thin nuts		<p>Dia - M3x6x2 to M10 Length - up to 21.5mm</p>	<p>DIN-562</p>
Slotted round nuts		<p>Dia - M10x0,75 to M90x2 Length - up to 18km</p>	<p>DIN-981, DIN-1804W, ISO-2982</p>

Description	Details	Range	Ref. Std.
Nuts for T-slots		Dia - M5 to M16 Length - up to 18mm	DIN-508
Wing nuts		Dia - M20 to M24 Length - up to 44mm	DIN-315
Flat washers without chamfer		Dia - M1.6 to M36 Length - up to 50mm	IN-125A

Description	Details	Range	Ref. Std.
<p>Square washers for wood construction</p>		<p>Dia - M10 to M22 Length - up to 80mm</p>	<p>DIN-436, DIN-434, DIN-435</p>
<p>Connecting washers for terminals</p>		<p>Dia - M3 to M6 Length - up to 6.4mm</p>	<p>DIN-7500</p>
<p>Slotted pan head tapping screws with cone end type C</p>		<p>Dia - ST 2.2 to ST6.3 Length - up to 32mm</p>	<p>BN 941</p>

Description	Details	Range	Ref. Std.
Slotted pan head tapping screws with cone end type C		Dia - ST2.2to ST 6.3 Length - up to 32mm	DIN-7972
Slotted oval countersunk head tapping screws with cone end type C		Dia - ST 2.9 to ST 4.2 Length - up to 25mm	DIN-7973
Pozi flat countersunk head tapping screws form Z, with cone end type C		Dia - ST 2.2to MST6.3 Length - up to 50mm	DIN-7982



Adaptors



Filler peg



Roller bolt



Socket head long body bolt



Special Studs



Cylinder head bolts



Ball joint housing



Special Ball studs



Hydraulic Bushes



Hydraulic Spools



Hydraulic Spool



Transmission Rail



Stopper bolt straight type



Dowells



Engine spacers



Special Machined parts



Collar bushes



Transmission Bushes



Engine spacers



Washers



Ball Races



Bearing Races



Drill bushes Flange DIN-172



Spacer primary



Dowels



Aluminum Plugs



Shaft Gear Shifter



Axles



Special machining items



Rocker arms



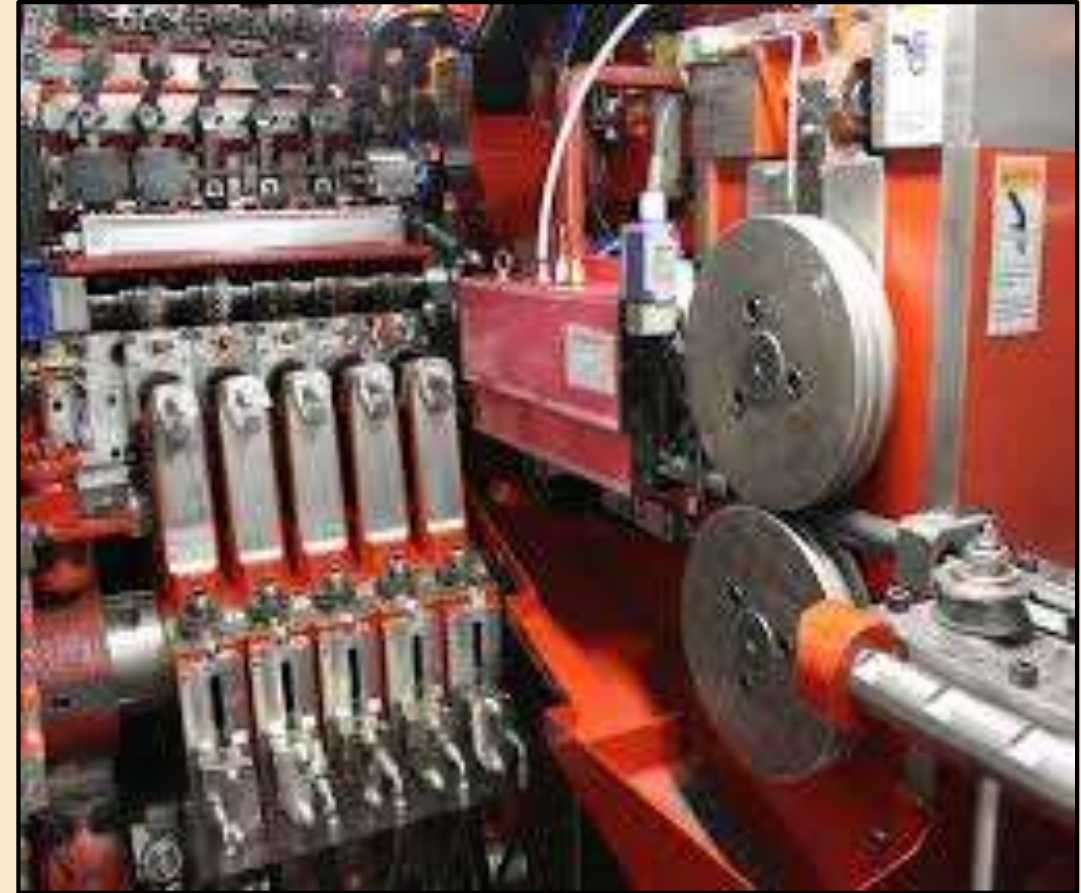
Washers



Special Machined parts



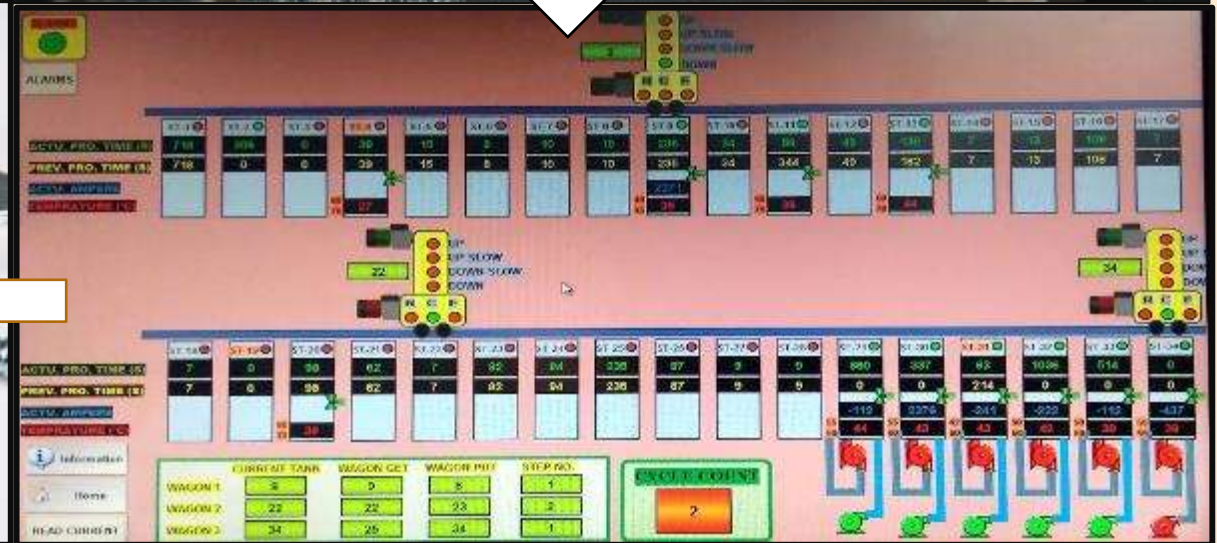
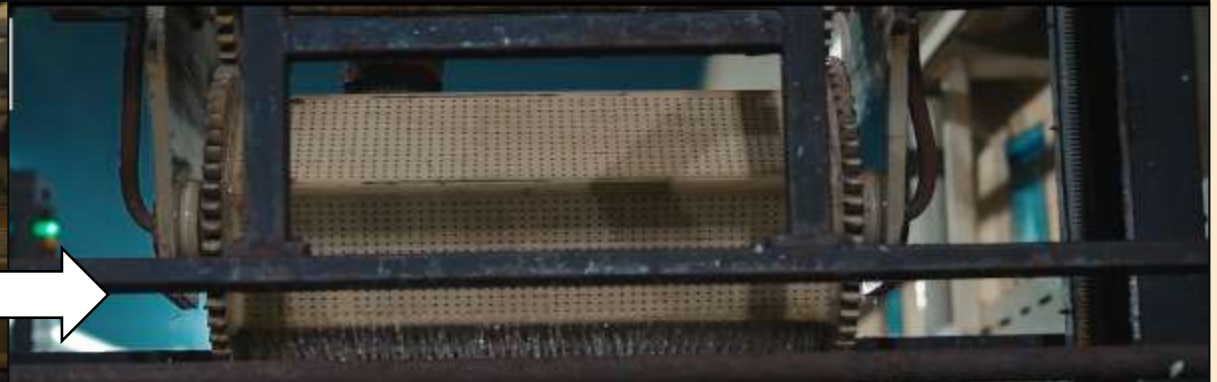
6 station cold forging machines with ranges from M4 to M18



6 station cold forging machines with ranges from M4 to M18



8 hot forging presses with range from 100 tons to 400 tons equipped with pyrometers for under/over heat auto control

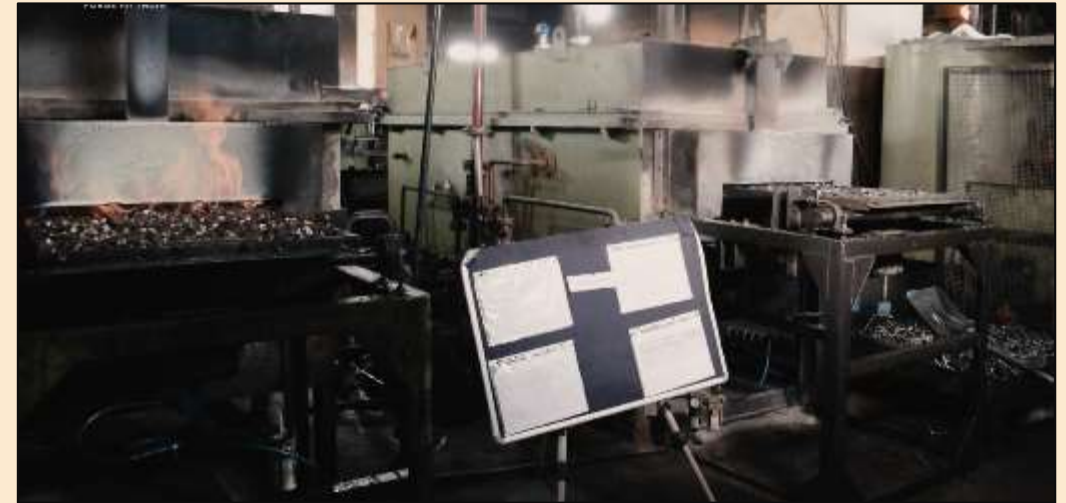


Fully automatic plating plant with SCADA control.

Commitment | Value addition | Excellence



SCADA Controlled Heat treatment plant for all types of heat treatments (alloy steel) completed with fully equipped lab.

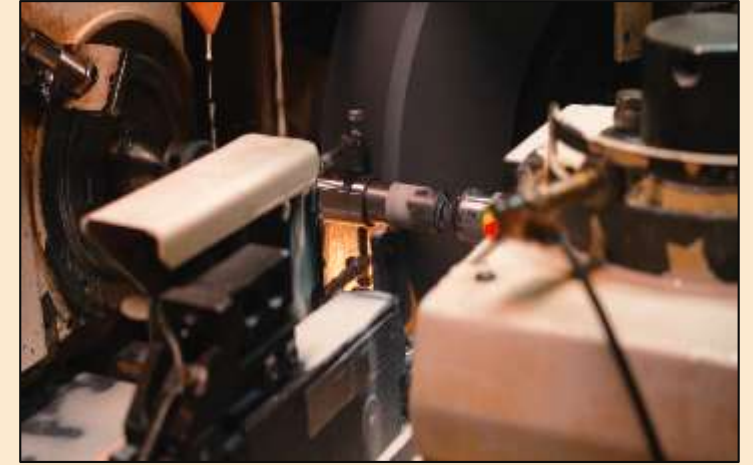




CNC turning machines (60 nos)



Vertical Milling center (10 nos)



CNC cylindrical grinding (05 nos)



Cylindrical grinding (10 nos)



Internal vourmard grinding (10 nos)



Centreless grinding (15 nos)

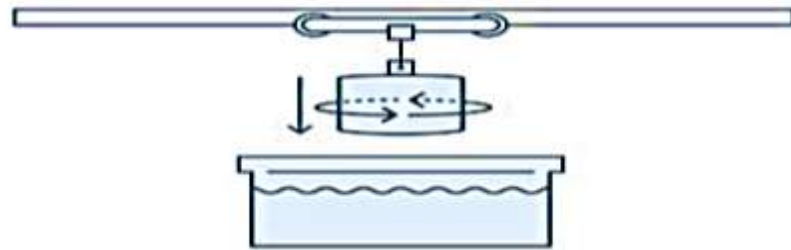
L'BESTE GAT is developing eco-friendly organic and inorganic hybrid coatings that DO NOT include the four major heavy metals and volatile organic solvents. The high performance organic anti-corrosive agent that we are currently developing USES WATER as a solvent to promote ECO-Green products and adopts an ideal organic-inorganic hybrid new material binder that maintains its advantage as an inorganic binder and at the same time, its work-ability as an organic binder.

GEOCOTE™ is the name for our metal coating material that excels in anti-corrosion and is comprised of organic-inorganic hybrid coatings for lower temperature curing systems than traditional metal coating systems as water-based and chrome-free material.

FOUR-WAY CORROSION PROTECTION

- Barrier Protection: Overlapping zinc and aluminium flakes provide an excellent barrier
- Galvanic Action: Zinc corrodes to protect steel
- Passivation: Metal oxides slow down the corrosion reaction of zinc and steel
- Self-Repairing: Carbonates migrate to damaged areas to actively repair and restore the coating

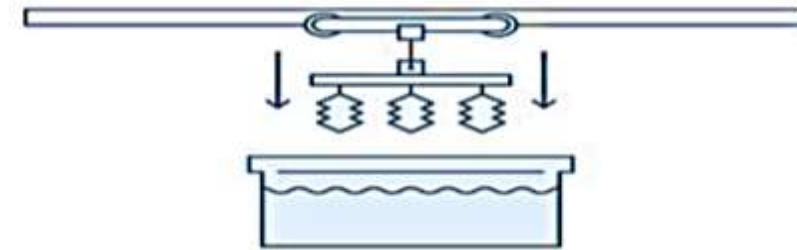
APPLICATION TECHNOLOGY



dip-spin



spray



dip-drain

We provide a complete range of Loctite Dri-Loc®, Dri-Seal®, Dri-Loc Plastic® and Anti-Seize Pre-Applied Coatings, for locking and sealing threaded parts. Threaded parts are effectively pre-coated with a solvent-free locking medium that is dry-to-touch and will only cure on assembly ensuring clean, efficient and user-friendly assembly. No longer is there a need to apply any other locking/sealing devices during assembly. Save time and money. Improve productivity and quality.

LOCTITE DRI-LOC	
Dri-Loc is a dry-to-the-touch Preapplied film for threaded fasteners. It remains inert on the fastener until assembly of the threads releases a quick curing resin. The resin fills all the voids in the threads and cures to securely lock and seal the assembly.	
DRI 200™ ECO	
DRI 201™ ECO	
DRI 202™ ECO	
DRI 203™ ECO	
DRI 204™	
DRI 2045™	
DRI STS™	
DRI 2020™	
DRI LOC® PLASTIC	

LOCTITE DRI / VIBRA-SEAL	
This is a pre-applied, water based sealant that when dried become a resilient, tight clinging, non-curing sealant for tapered or straight threads. The products provide excellent solvent and vibration resistance. Effective for use on sealing applications where re-adjustments are required.	
DRI 503™	
DRI 513™	
DRI 516™	
DRI 5061™	
LOCTITE ANTI-SEIZE	
Dry to the touch, anti-galling, thread lubricant	
Preapplied Anti-Seize ECO	

(1) Zinc Flake Product List (GEOCOTE™)

Product	Characteristic	Coating method	Coating conditions and Curing condition (Curing Temp.)	Color
GEOCOTE™ X-250	Energy Saving	Dip-spin, Drain, Spray	2C/2B (270°C)	Silver-Gray
GEOCOTE™ S-870D	For Brake Disc	Spray	1C/1B (270°C)	Silver-Gray
GEOCOTE™ S-870C	For Casting metal	Dip-spin, Drain, Spray	2C/2B (320°C)	Silver-Gray
GEOCOTE™ S-570	Normal type	Dip-spin, Drain, Spray	2C/2B (320°C)	Silver-Gray
GEOCOTE™ S-TOP	Top coating on electroplating	Dip-spin, Drain, Spray	2C/2B (230°C)	Silver-Gray
GEOCOTE™ S-BOS	Black base coating	Dip-spin, Drain	2C/2B (320°C)	Dark Silver-Gray
GEOCOTE™ MT, RT	For Maintenance, Repair	Spray, Touch up	Room Temp.	Silver-Gray

(2) Top Coating Product List (GEOCOTE™)

Product	Characteristic	Coating method	Coating conditions and Curing condition (Curing Temp.)	Color
GEOCOTE™ Black DC	For Brake Disc	Spray	1C/1B (230°C)	Black
GEOCOTE™ Black DR	For Brake Drum	Spray	1C/1B (230°C)	Black
GEOCOTE™ Black EC	For Fastener, Bracket	Dip-spin, Spray	2C/2B (180°C)	Black
GEOCOTE™ Black MW	For Fastener, Bracket	Dip-spin, Spray	2C/2B (180°C)	Matt Black
GEOCOTE™ MG	For ND Magnet	Spray	1C/1B (250°C)	Black, Red, Blue
GEOCOTE™ AF	Fluorine-based coating	Spray	1C/1B (230°C)	Tailor made color available
GEOCOTE™ LUB Series	For Fastener	Dip-spin, Spray	1C/1B (180°C)	Tailor made color available
GEOCOTE™ CT Series	For Fastener, Bracket	Dip-drain, Dip-spin, Spray	1C/1B (120~180°C)	Clear

(3) GEOMARINE™ Product List

Product	Characteristic	Coating method	Coating conditions and Curing condition (Curing Temp.)	Color
GEOMARINE™ Base	For Fastener, Bracket	Dip-spin, Spray	2C/2B (320°C)	Silver-Gray
GEOMARINE™ TOP	For Fastener, Bracket	Dip-spin, Spray	1C/1B (180°C)	white translucent

Everlube® coatings are a range of tough coatings known as dry film lubricants that provide low frictional resistance between two mating parts.

Dry film lubricant coatings have different properties depending on their structure and composition. These properties can be for high load bearing, very low coefficient of friction, high temperature and also increased resistance to chemical attack, abrasion and corrosion.

The Everlube® coatings range includes environmentally friendly and REACH compliant coatings as well as air cured, high temperature and PTFE.

WHEN ARE DRY FILM LUBRICANTS LIKE EVERLUBE® COATINGS USED

Dry film lubricants are often used when other lubricants such as grease and oil cannot be used due to temperature load, wear, migration and debris when the liquid can change fluid state and will no longer provide protection. In these conditions a dry film lubricant will remain intact and provide continuous lubrication.

TYPICAL APPLICATIONS OF EVERLUBE® COATINGS

- Fasteners, springs, bearings, cams, gears and seals
- Aerospace hydraulic fittings, valve components and non-intrusive medical instruments
- Shafts, splines and bushes
- Rubber and other non-metallic substrates
- Saw blades and secateurs
- Automotive fasteners, seat slides and rails
- Petrochemical, oil and gas subsea and topside components

EVERLUBE® COATING MATRIX

Coating	Solid Lubricant	Resin Type	Coefficient of Friction	Service Temperature	Dry Film Thickness (µm)	Inad. Capacity	Corrosion Protection ASTM B-117	Wear Life ASTM 2625 Method A	Abrasion Resistance	VOC's, Pb, Sb, Chromate, NMP	Pre-treatment GB = Geti Blast Ph = Phosphate	Application method Sp = Spray DpSn = Dip SpIn = Spin Br = Brush	Cure Type	Colour/ Appearance	Specifications/ Approvals	Typical Applications
Everlube 9005	MoS ₂	W/R Epoxy	0.04-0.06	-73 °C to 204 °C	7-18µm	250,000 psi	100 hrs	365	Excellent	183g/l, Pb Free, Cr Free, Sb Free	GB and or Ph	Sp/DpSn/Br	1hr 200 °C	Gray/black matte		Low VOC & friction coating developed to reduce seizure on fasteners, bearings, cams, gears, splines & engine ring seals (until assembly and running in).
IPX1	MoS ₂	Phenolic	0.04-0.08	-73 °C to 150 °C	7-18µm	175,000 psi	100 hrs	200	Good	N/A, Pb Free, Cr Free, Sb Free	GB and or Ph	Sp/DpSn/Br	1hr 150 °C	Gray/black matte		Low friction coating reduces galling, pick up, corrosion on rotating & sliding components where conventional lubricants are not practical e.g. flanges, valves, loadstretches, hydraulic/pneumatic bearings.
Everlube 644	MoS ₂	Epoxy	0.04-0.08	-73 °C to 200 °C	7-18µm	250,000 psi	100 hrs	375	Excellent	668g/l, Pb Free, Cr Free, Sb Free	GB and or Ph	Sp/Br	1hr 200 °C	Gray/black matte		MoS ₂ lead and antimony free dry-film bonded lubricant with good chemical resistance. Typical applications- fuelances, bearings, cams, gears, splines.
Everlube 9002	MoS ₂	W/R Epoxy	0.04-0.06	-73 °C to 200 °C	7-18µm	250,000 psi	100 hrs	450	Excellent	183g/l, Pb Free, Cr Free	GB and or Ph	Sp/DpSn/Br	1hr 200 °C	Gray/black matte	Mil-PRF-46010, AS3272 tyIII	Low VOC dry film bonded MoS ₂ coating. Lead free lubricant with high molecular weight resin. Good chemical, wear, friction & abrasion resistance. developed for high load bearing applications.
Ecoalube 643	MoS ₂	Epoxy	0.04-0.08	-73 °C to 200 °C	7-18µm	250,000 psi	100 hrs	450	Excellent	695g/l, Pb Free, Cr Free	GB and or Ph	Sp/DpSn/Br	1hr 200 °C	Gray/black matte	AS5272 ty II	Low friction dry film bonded MoS ₂ coating. Lead free high load bearing lubricant with high molecular weight resin. Good chemical, wear, friction & abrasion resistance. Ideal for threaded components.
Everlube 620C	MoS ₂	Phenolic	0.04-0.08	-73 °C to 150 °C	7-18µm	250,000 psi	100 hrs	250	Good	632g/l, Pb Free	GB and or Ph	Sp/DpSn/Br	1hr 150 °C	Gray/black matte	AS5272 tyII MIL-L-8937D, MIL-L-46010E ty I	Everlube 620C is an MoS ₂ dry-film bonded heavy duty coating. Developed for the aerospace/defense industries. Typical uses are hydraulic fittings, valve components and non-intrusive medical instruments.
Everstik 1301	MoS ₂	Phenolic	0.04-0.08	-73 °C to 150 °C	7-18µm	250,000 psi	100 hrs	250	Good	686g/l, Pb Free	GB and or Ph	Sp/DpSn/Br	1hr 150 °C	Gray/black matte		Everstik 1301 is an MoS ₂ dry-film bonded heavy duty coating. Developed for the petrochemical markets to prevent pick up, galling & seizure. Ideal for threaded components e.g. jackscrews, valve stems, ball & butterfly valves.
PermaSlik G1 F	MoS ₂	AD Epoxy	0.04-0.08	-73 °C to 120 °C	7-18µm	250,000 psi	100 hrs	120	Fair	737g/l, Pb Free, Cr Free	GB and or Ph	Sp/DpSn/Br	24 hrs AD	Gray/black matte	Mil-PRF-46147	Air drying MoS ₂ coating applied from an aerosol, easy to apply and ideal for use in the field as a repair or permanent coating. Used to aid assembly on threaded components, shafts, splines & bushes, etc.
PermaSlik RMAC	MoS ₂	Titanate	0.04-0.08	-225 °C to 400 °C	7-18µm	250,000 psi	N/R	160	Fair	646g/l	GB and or Ph	Sp/DpSn/Br	Air Dry 1-6 hrs 50% RH	Gray/black matte		High temperature & load bearing MoS ₂ coating. Also available in an aerosol so ideal for applying in the field. Quick drying and is used on slides, rails, threads to prevent pick up and galling.
PermaSlik RGAC	Graphite	Titanate	0.02-0.08	-225 °C to 600 °C	7-18µm	40,000 psi	N/R	N/A	Fair	702g/l	GB and or Ph	Sp/DpSn/Br	Air Dry 1-6 hrs 50% RH	Black matte		High temperature & load bearing Graphite coating. Also available in an aerosol so ideal for applying in the field. Quick drying and is used on slides, rails, threads to prevent pick up and galling.
Flurene 212	PTFE	Epoxy	0.02-0.08	-15 °C to 150 °C	10-25µm	20,000 psi	N/R	N/A	Good	15.4g/l, Pb Free, Cr Free, Sb Free	GB and or Ph	Sp/DpSn/Br	40mins 80 °C (or air cure)	Blue/black matte/any		PTFE coating based on lubricating solids dispersed in a waterdriftable resin binder. Its designed to offer low friction and dry lubrication and is particularly suited to application on rubber and other non-metallic substrates due to its excellent flexibility.
LubeLok 2006	MoS ₂ / Graphite	Silicone	0.02-0.08	-100 °C to 400 °C	7-18µm	100,000 psi	N/R	60	Fair	702g/l	GB	Sp/DpSn/Br	1hr 260 °C	Gray/black matte		Graphite/MoS ₂ solid film bonded lubricant with silicon resin system. The coating was designed to provide lubrication at higher temperatures, than an extremely low coefficient of friction & good chemical resistance.
FormKote T-50	Graphite	Silicone	0.02-0.08	-55 °C to 800 °C	7-18µm	40,000 psi	N/R	N/A	Fair	N/A	GB	Sp/DpSn/Br	1hr 260 °C	Gray/black matte		Mould release for die casting of titanium, aluminium and zinc for temperature exceeding 800 °C. It can also be used in tube bending and extruding. The coating is available in aerosols, quarts, galfan & palls.
Everlube 6102G	PTFE/MoS ₂	Phenolic	0.02-0.08	-73 °C to 150 °C	7-18µm	40,000 psi	600 hrs	N/A	Good	680g/l	GB and or Ph	Sp/DpSn/Br	1hr 150 °C	Semi-Gloss Black		PTFE/MoS ₂ solid film lubricant. It enhances torque/efficiency and is applied to small springs, slides and fasteners for the automotive and domestic markets.
Flurene 611	PTFE	PAI	0.02-0.08	-250 °C to 250 °C	7-25µm	20,000 psi	100 hrs	N/A	Excellent	709g/l	GB and or Ph	Sp/DpSn	1hr 200 °C	Semi-Gloss Black		Resin based fluoropolymer coating giving a combination of low friction and wear resistance. Will operate in temperature from -250 °C to +250 °C and is suitable for many industrial applications e.g. saw blades, sealants and bearings.
Everlube 6108	PTFE	Phenolic	0.02-0.08	-73 °C to 150 °C	7-25µm	20,000 psi	1000 hrs	N/A	Good	689g/l	GB and or Ph	Sp/DpSn/Br	1hr 150 °C	Semi-Gloss Black		PTFE based thermally cured solid film lubricant with a phenolic binder system. It has good anti-corrosive properties, good abrasion & chemical resistance. Developed for fasteners in the automotive industry for use on fasteners, seat slides and rails.
Flurene 177	PTFE	PVDF	0.02-0.08	-15 °C to 200 °C	20-25µm	20,000 psi	100 hrs	N/A	Excellent	553g/l	GB and or Ph	Sp	30mins 270 °C	Semi-Gloss Black		Flurene 177 is a unique fluoropolymer coating that offers low friction combined with superb chemical and abrasion resistance. The coating is both flexible and formable and offers outstanding wear resistance properties.

The following table can be used to give a guide to some of the different coatings available within the range. Should the potential field or coating not be shown, as only the more popular grade are listed below, then for further information on any particular product please consult the relevant Xylan Product Data Sheet, website or get in touch with a technical representative from SOLEOS.

Type	Solvent/Water borne	Colour	Corrosion Resistance rating	Low friction rating	Abration resistance rating	Working temps °C	General Comments and uses
Xylan 1010	S	No pastel shades	4	10	7	-195 to +260	General-purpose coating for dry lubrication in high-speed and/or low-temperature environments. Typical applications include rotary actuators, bearings, carburetors and garden tools.
Xylan 1014	S	No pastel shades	5	8	8	-195 to +260	Improved abrasion resistance over Xylan 1010. Typical applications include hinge pins, piston casings, compressors, fasteners, etc.
Xylan 1052	S	Dark only	4	6	6	-195 to +250	Extreme pressure low speed capability. Coating contains MoS ₂ /PTFE. Typical applications include bearings, valve springs, sealing rings, etc.
Xylan 1070	S	No pastel shades	8	8	7	-195 to +260	Stud-bolt coating used over phosphate or other pretreatment to achieve up to 3,000 hours salt spray. Typical applications include threaded fasteners.
Xylan 1270	S	Range	8	5	5	-50 to +200	Tough coating offering excellent protection against atmospheric corrosion. Ideal for fasteners, saw blades, industrial files, etc.
Xylan 1331	W	Dark Only	6	NNS	9	-20 to +260	Dry-film lubricant containing PPS and PTFE for outstanding wear, abrasion and chemical resistance. Typical applications: offshore down-hole tools.
Xylan 1424	W	No pastel shades	9	8	5	-20 to +180	Low-friction coating with excellent corrosion resistance. Designed for fasteners, piston casings, compressors, etc.
Xylan 1514	S	Range incl white	3	9	4	-40 to +220	Decorative coating with low friction properties. Good UV and abrasion resistance. Typical applications: cooling fans, light fittings, personal-care products, etc.
Xylan 5230	S	Black	8	4	5	-50 to +200	Dip/Spin and spray: controlled friction to suit torque tension 0.12- 0.18 μ Dip spun 480 hours salt spray over phosphate: Automotive applications, fasteners.
Xylan 5420	W	Black	9	4	5	-50 to +100	Dip/Spin and spray: controlled friction to suit torque tension 0.12- 0.18 μ Dip spun 480 hours salt spray over phosphate: Automotive applications, fasteners.
Xylan 8110	S	No pastel shades	4	10	7	-195 to +260	Food safe version of 1010. Typical applications: food chutes, sweet moulds, knife blades

Less Corrosion

Wide Temperature Range

Chemical Resistance

More Visible

Less Torque

Fasteners resist corrosion with Xylan 1424 & 1070

Valves actuate easily, don't gal, with Xylan 1425 & 1062

Components resist corrosion and move freely with Xylan 1212 and 1213

Riser bolts make up to precise loads with Xylan 1010

Connectors are highly visible, corrode less with Xylan 1514

Blowout preventers actuate more quickly, resist chemical attack with Xylan 1331

Fasteners are more visible, more easily replaced with Xylan 1424 & 1070

Down-hole tools resist paraffin fouling and chloride chemical attack with Xylan 1331

Misting systems resist corrosion, are easier to locate with Xylan 1427 & 1070

- Roundness & Cylindrical tester.
- Contour with roughness testing.
- Profile projectors with Digital DRO system.
- Stereo zoom microscope.
- Digital calipers and micrometers.
- Digital air gages with 0.1 micron least count.
- Auto compensation gages.



- Fisher make XRF tester
- Micro vicker hardness tester.
- 1000X microscope.
- Spectrometer.
- Rockwell hardness tester.
- SST chamber.
- Coating testers.
- Trinickel plating tester
- Millipore testing



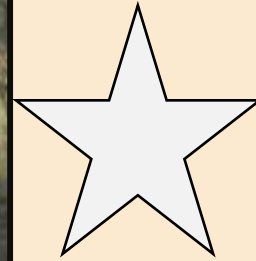
Our major focus is on robust inbuilt controls on processes to prevent and eliminate defects, through all probable root cause analysis, via brain storming.

In-house developed auto-offset gauging system is installed on all the machines that gives automatic feedback to the machines, directly on each & every part.

Machine cycle is interlocked with the gauging system so that the inspection does not by pass.

All the machines are equipped with interlocking systems for variable and attribute gauges.





Recent awards and appreciation from our prestigious customers for **PQCDSM** improvements.



Employee motivation and engagement through regular motivational events, health checkups and awards distribution.

- **Over 30 years of experience in manufacturing industries (Specially in ball races & transmission bushes), with the best quality products at very economical prices.**
- **Exceptional in-house inspection facilities.**
- **Fully automatic alkaline-zinc plating plant with SCADA control.**
- **Auto-offset gauge was developed with interlocking concept here at B.K Automatics.**
- **Machining accuracy level is maintained between 3 micron and 10 micron, by using Sunnen machinery.**



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