



M. S. Engineering Works

Quality & Reliability

Solution for Wire World

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Vision

We envision an atmosphere of corporate excellence & profitable growth by adoption of latest technology to give quality product with a timely delivery of goods & perpetual innovations . At the very heart of our enterprise lies the integral quest to build enduring client & employee relationships.

Mission

- ❑ We aim to provide the best quality so our customer could trust our reliability.
- ❑ In order to accomplish our goal we have installed a complete range of machineries like Power Presses (Capacity: 20 to 350 Tons), Hydraulic Presses (Capacity: 30 to 300 Tons), Shearing Machine, Dynamic Balancing, etc. and all other Tool Room equipment's and facilities capable of handling any challenge in design, manufacture and testing of all kinds of tools and components.
- ❑ We aim at becoming, the leader of the market by serving the clients with outstanding quality of products.
- ❑ Our company is also engaged in providing after sales support, installation training, operational training and user manual sales for the esteemed clients.

Introduction

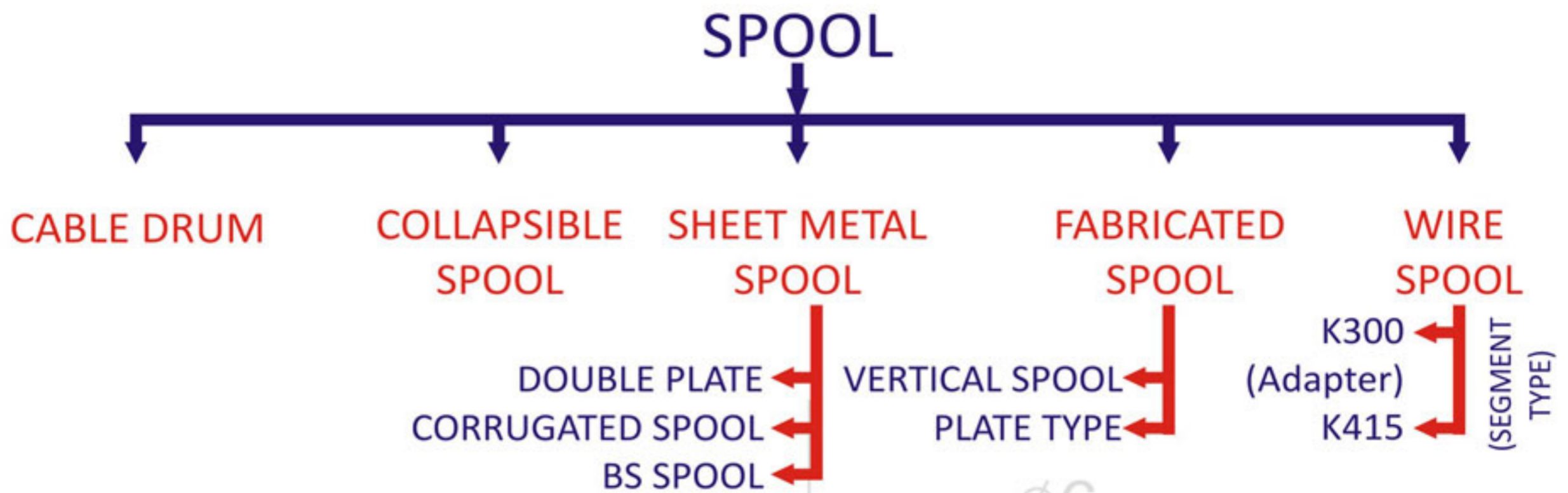
We work with an aim to manufacture and provide end to end solutions for special Sheet Metal Press Parts and Tooling components for various applications. The products are widely used in the Steel Wire Mfg. Automotive, Electrical and Hardware Industries. We are reckoned as established manufacturers of **Wire Winding Spools, Cable Winding Spools**, Hardware Items, Deep Drawn Components, Fire Fighting Equipments, Steel Block Pallets and Automotive Parts. Being an ISO 9001 certified company, we believe in serving the clients with outstanding quality of products.

Backed by robust manufacturing facility installed, with large production capacity and with a diligent team of professionals, M S Engineering Works gradually offers an unbeatable quality of products. The company is located at Tarapur MIDC (Maharashtra Industrial Development Corporation) - a prominent industrial development zone, well equipped with modern infrastructure and telecommunication facilities. Tarapur is strategically located at about 100 kilometers from Mumbai which is the Industrial and Financial capital of India. It is also well connected by road and rail to all the other major business hubs within the country.

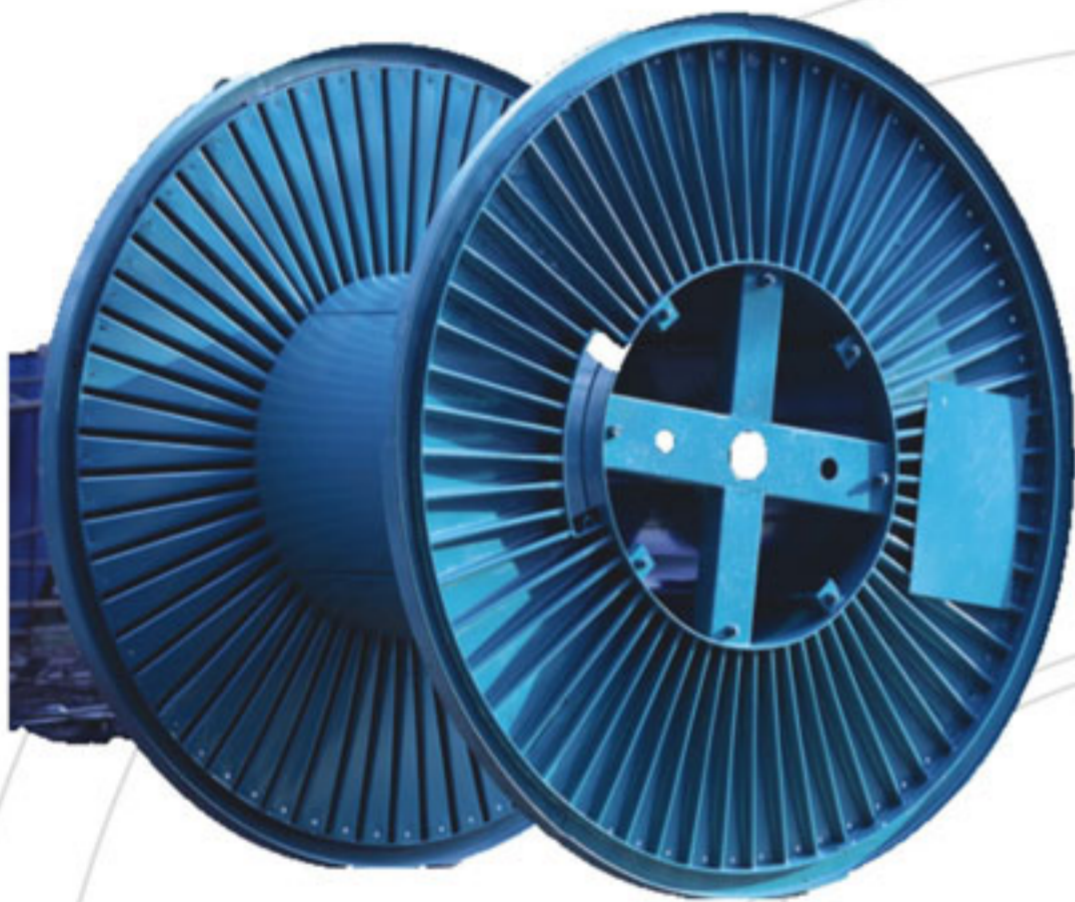
The Boisar (Tarapur) would soon be blessed with a major port in Maharashtra (Varor Port Yard) & another goody that Boisar soon would be blessed with is Bullet train station.



Classification Of Spool



Cable Drum



1. Reusable.
2. No nails.
3. Weather proof.
4. Environmental friendly.
5. Easily disposable.
6. Better safety of cable / conductor.
7. Recover at least 35% value of the drums by scrapping it.
8. Higher reliability,
9. Better strength & more durability than wooden drum.

Collapsible Spool



1. The spool is designed in such a way that one of its flanges can be easily removed.
2. After flange is removed the barrel gets collapsed by some mm on one side, which makes it easy to remove the coil.
3. Strap slots are available for easy strapping of coil.

Sheet Metal Spool

Double Plate Flange Type



1. These are fixed spool with double plate flange available in various sizes.
2. The reason behind double plate flange is to provide **flat surface** for wire and there by reducing contact between wire and air so as to **reduce corrosion** & other reason is to increasing the **warping resistant strength** of spool.
3. Some readily available or could be arranged in short while are $\varnothing 760$, $\varnothing 800$. $\varnothing 6$
4. These spools are statically balanced.
5. These spools are strong and durable.

Corrugated Spool

1. These are fixed spool available in various sizes.
2. Some readily available or could be arranged in short while are $\varnothing 760$, $\varnothing 630$, $\varnothing 550$, $\varnothing 500$.
3. These spools are statically balanced.
4. These spools are strong and durable.



Bs Spool



1. Replacement for Wooden /Plastic Spool
2. Eco-Friendly
3. Sustains Maximum Pressure
4. Damage Free
5. Can be recycled 5-8 times
6. Disposable Value
7. Safe
8. Economical



Fabricated Spool

Vertical Spool



1. This is a type of heavy capacity process spool.
2. This was primarily developed for TATA .
3. This design proved to be a much hit design in TATA, where a foreign company failed in his quality proved an opportunity for MSEW to prove the task.

Plate Type

1. This is generally used as Process Reel in light weight Capacity.
2. Made up of Single Plate.
3. Optimum Strength is obtained.
4. Dynamically Balanced.
5. Available in various Plate thickness & sizes as per consumer requirement.



Basket Spool



K300 Spool With Adaptor



Plastic Adaptor

1. The spool made up of wire generally used to load Co2 wire, is being named as wire spool.
2. These are strong durable and long lasting.
3. These spools till now are available in two standard sizes i.e. **K300 & K415**
4. These are generally known by 'K' series spool in market.
5. A plastic attachment for k300 spool has been developed so as to make the spool workable in Mig welding machine.

Spool Lifter



1. This is a lifting device for easy vertical handling of spools.
2. A ball lock mechanism is engulfed for easy & safe handling of spools.
3. This was primarily introduced for vertical spool but now is customized as per customer requirement.
4. Automatic Locking/un-locking onto reel arbor.
5. No manual intervention needed from operator to grab or release reel.
6. Lifting up to 4 tons.
7. Special locking jaws shape for safe and durable reel lifting.

1. A machine which turns the coils in 90° so as to change its orientation in air for handling is known as **Coil Tilter**.
2. Sturdy steel construction with expandable arbor locking mechanism.
3. Tilting capability up to 800 mm (32") reels
4. Customized arbor locking.
5. Unit is operated with overhead crane or forklift
6. Safe tilting of reel from horizontal to vertical axis
7. Higher capacity coil tilter's could be designed as per customer requirement.
8. These are available in two models electro-mechanically operated & manually operated.

Coil Tilter (Crane Operated)

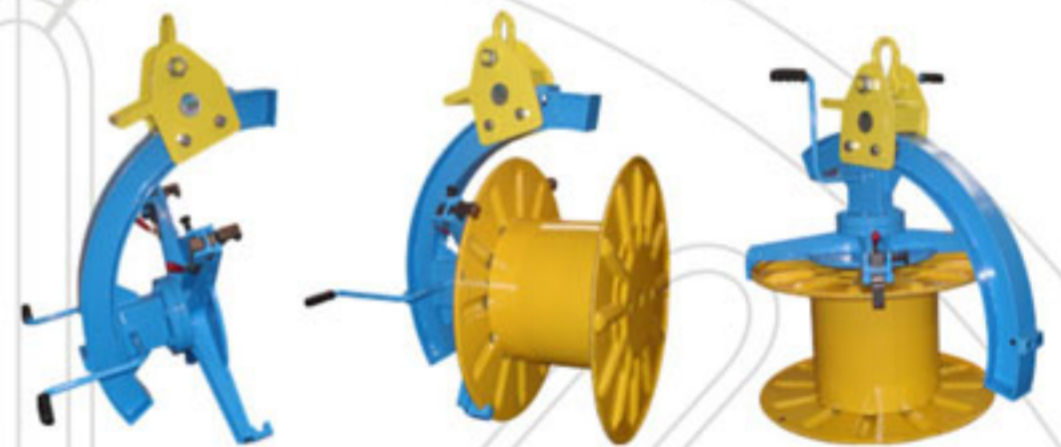
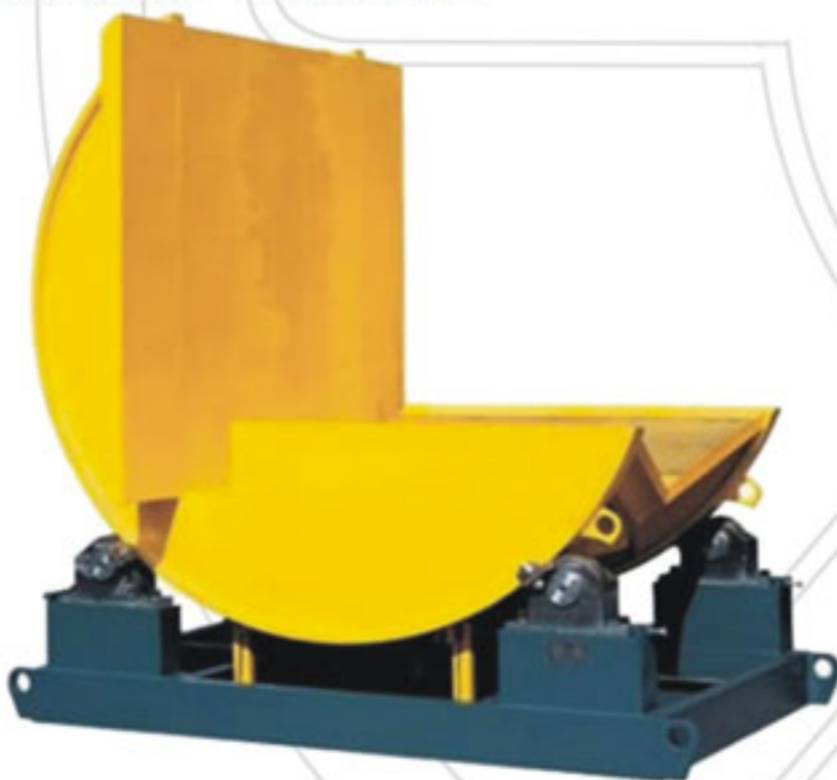


Table Tilter



1. A machine which turns the heavy coils in 90° so as to change its orientation on ground for handling is known as **Table tilter**.
2. Sturdy steel construction built upon ground.
3. Motorized or activated tilting mechanism.
4. Built to suit reel size and weight requirements.
5. Safe tilting of reel from horizontal to vertical axis
6. Designed for coils weighing up to 3(T).
7. Higher capacity coil tilters could be designed as per customer requirement.



Wire Solutions

Layer Winding Machine

(Indexing Type)



1. M/C Type: Indexing Type Spooling with layer winding.
2. Spindle RPM: 50 - 1000 rpm.
3. Length Control Sensor: Proximity Type.
4. Spindle Drive Motor : 2 hp indexing control.
5. Layer Winding Motor: 1/2 hp.
6. Total power consumption : 2.5hp.
7. Type coil suited: Cheese Coil.
8. Type of Wire Suited: Lashing Wire (Soft Wire)
9. Coil Dia.: 140mm
10. Wire dia.: 1.5mm

Packing Solutions

1. A easy wire packing solution developed for wire Industries.
2. Machine Specification
 - i) Coil: OD x ID X Thk.
Minimum 350 x 150 x 125
Maximum 750 x 550 x 150
 - ii) Coil Wt.: 500kg.
 - iii) Packing RPM: 100 - 227 with Variable Raping Pitch.
 - iv) Coil Rotation: 30mm/sec - 315mm/sec.
 - v) Coil Clamping adjustment : 50- 150mm
 - vi) Power consumption: 1.5 hP
 - vii) Controller Type: PLC OR Electric.

Packing Machine



Steel Pallet



1. A part of export worthy packaging material made of steel known by steel pallet.
2. These are made up of steel
3. These are strong & durable.
4. These are eco-friendly in nature.
5. It is safe, and fire proof.
6. Least repair and maintenance expense on a metal pallet.
7. Easy cleanliness.
8. No product and damage cost.
9. These are designed to carry heavy dynamic load.
10. It has more carrying capacity to bear loads, and can resist water and dust.

Fire Fighting Equipments



Fire Extinguisher



Hose Reel



Hose Box

Electrical Components



Junction Box



Extension Reel

Deep Drawing Components



Hardware Items



& Many More....

Please Visit us www.msew.in
for further inquiry

Our Esteem Customers



Macro Bars and Wires





DIN 46397

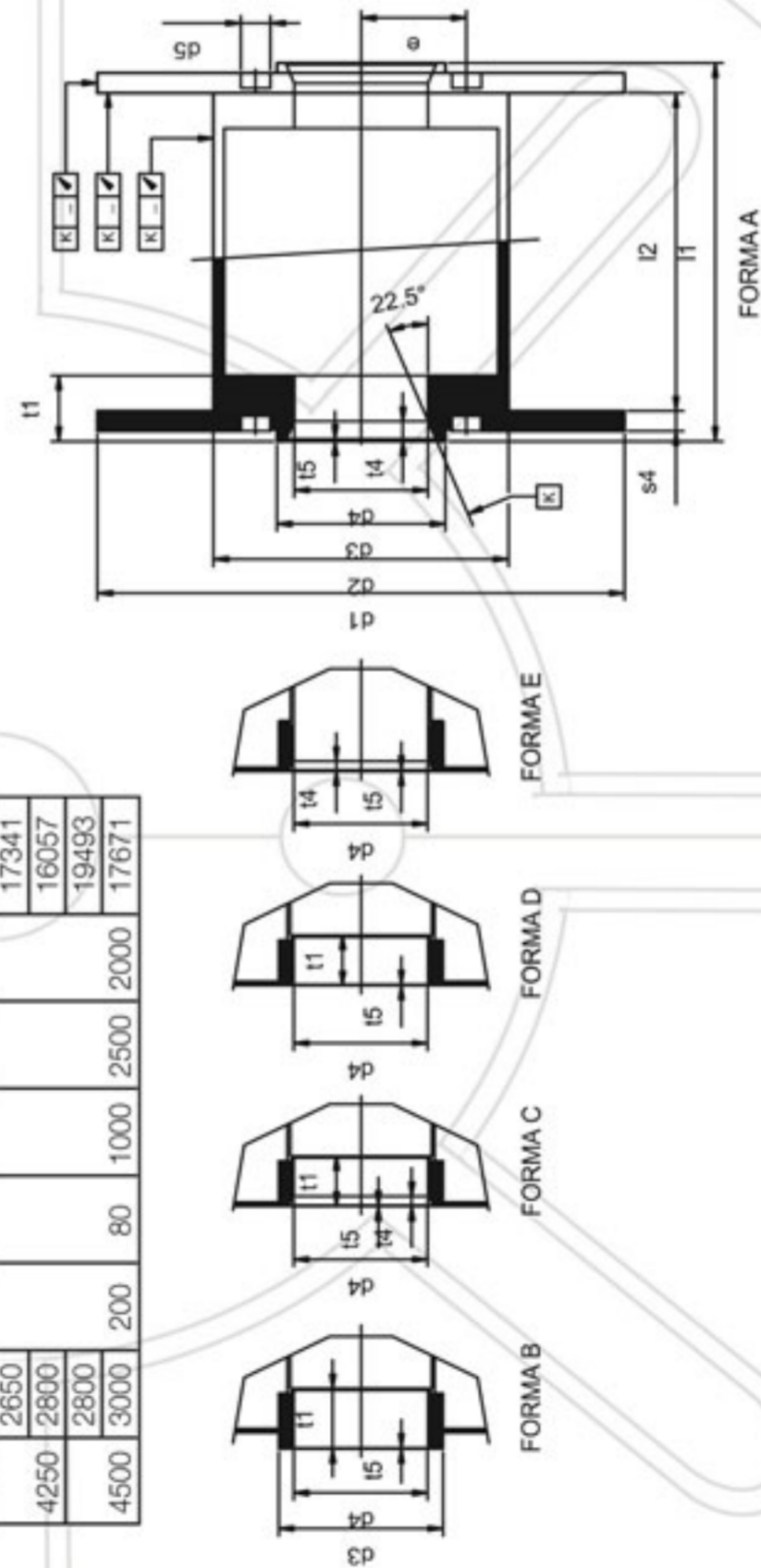
d1	d2	d3	d4	d5	e	t1	t4	t5	Winding volume [dm ³]
160	90		80		-	40	13	1	1
	112								3
200	140		100						2
	125								2
	140								4
	140								3
224	160		100		-	50	16	2	3
	140								5
	160								5
	180		127						4
250	180		160						11
	180								9
	200								8
315	224		127						12
	200								15
	200								13
	224								11
355	250		127		100	63	20	2	17
	224								22
	224								19
	250								16
400	280		127						25
	250								31
	250								27
	280								23
450	315		127						34
	280								43
	280								38
500	315		127						31
	355								47
	315								60
	355								52
560	400		127						43
	355								67
	400								86
	400								74
630	450		127		100	63	20	2	61
	400								96
	400								122
	450								107
710	500		250						90
	450								137
	450								172
	500								153
800	560		250		170	125	40	3	128
	560								340
	630								298
1000	710		250						245
	710								665
1250	900		250		250	125	40	3	580
	900								473

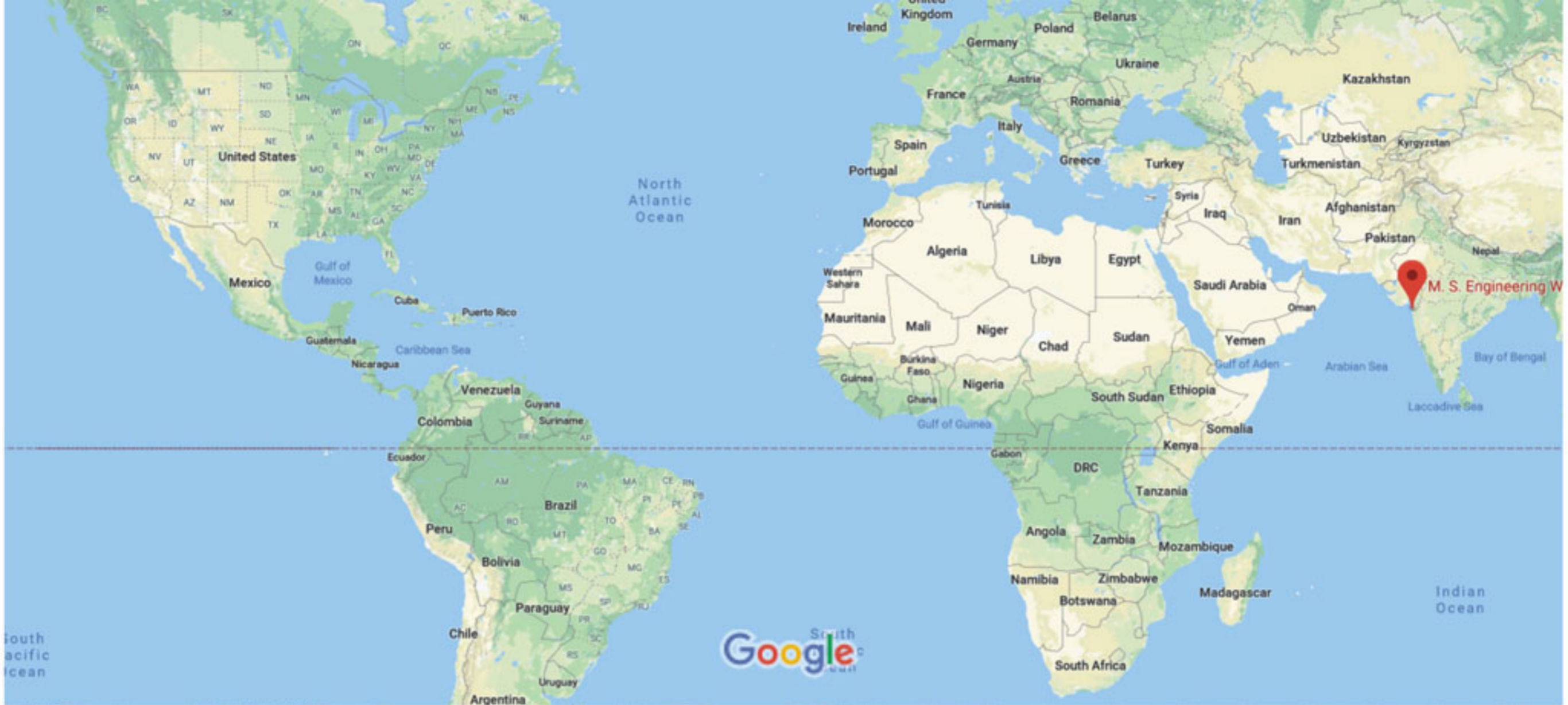
DIN 46395

d1	d2	d3	d4	d5	e	l1	l2	Winding volume [dm ³]
125						236	200	13
315	160	71	36	8 bis 16	71	190	160	9
	140					265	224	19
	180					215	180	13
	160					300	250	26
	200					236	200	19
	180					335	280	37
	224				112	265	224	27
	200					375	315	52
	250					300	250	37
	224					425	355	73
	280					335	280	52
	250			16 bis		475	400	105
	315	112	56	32	140	375	315	73
630	315					530	450	134
710	355					600	500	189
800	400					670	560	267
900	450				160	750	630	371
1000	500					850	710	525
1120	560			28 bis		950	800	732
1250	630			40		1060	900	1029
1400	710					1180	1000	1508
1600	800					1320	1120	1970
1800	1000					1500	1250	2696
2000	1120					1700	1400	3799
2240	1250					1900	1600	5027
2500	1500			40 bis		2120	1800	6503
2800	1800			63	300			

DIN 46391

d1	d2	d4	d5	e	l1	l2	Winding volume [dm ³]
710	355		30				119
800	400		40	100	550	400	151
900	450		50		710	560	267
1000	500						330
1250	630			160	900	710	650
1400	710						812
1600	800	80					1357
1800	1000				1120	900	1583
	1000						2638
2000	1250			300			2144
	1120				1360	1120	3309
2240	1400				1450	1220	2928
	1250				1360	1120	4121
2500	1400						4109
	1600			400	1450	1220	3534
1800	1800	125			1690	1380	4983
2800	1800						7238
3000	2000						6283
1800	1800						8397
3150	2000						7442
2000	2000						9076
3390	2360						7103
2000	2000						10810
3550	2360	140	65	600	2000	1600	8837
2360	2360						12006
3750	2650						9952
	2650				2240	1800	12691
4000	2800						11535
	2650						17341
4250	2800						16057
	2800						19493
4500	3000	200	80	1000	2500	2000	17671





Quality & Reliability

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