

PRODUCT



● FLANGES ●

Stainless Steel: 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 904L, etc.

Carbon Steel: ASTM / ASME A 350 LF 2 / A516 Gr.70, ASTM / ASME A/SA 105

Alloy Steel: ASTM A182 P1 / P5 / P9 / P11 / P22 / P91, etc.

Duplex Steel: F51, F53, F55, F60, F61, etc

Copper Alloys: Cupronickel Cu70Ni30 (C-71500), Cu90Ni10 (C-70600), Brass, etc.

Nickel Alloys: Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 800, 825, etc.

Types: Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, etc.

Size: Forged Flange 600 NB / Plate Flange 1200 NB

Class: 150#, 300#, 400#, 600#, 900#, 1500# & 2500#

DIN: 2527, 2576, 2633, 2634, 2635, ND-6, ND-10, ND-16, ND-40

BS-10: TABLE D, E, F, H, J



SLIP ON FLANGES

RING TYPE JOINT FLANGES

BLIND FLANGES

WELD NECK FLANGES

SPECTACLE BLIND FLANGES

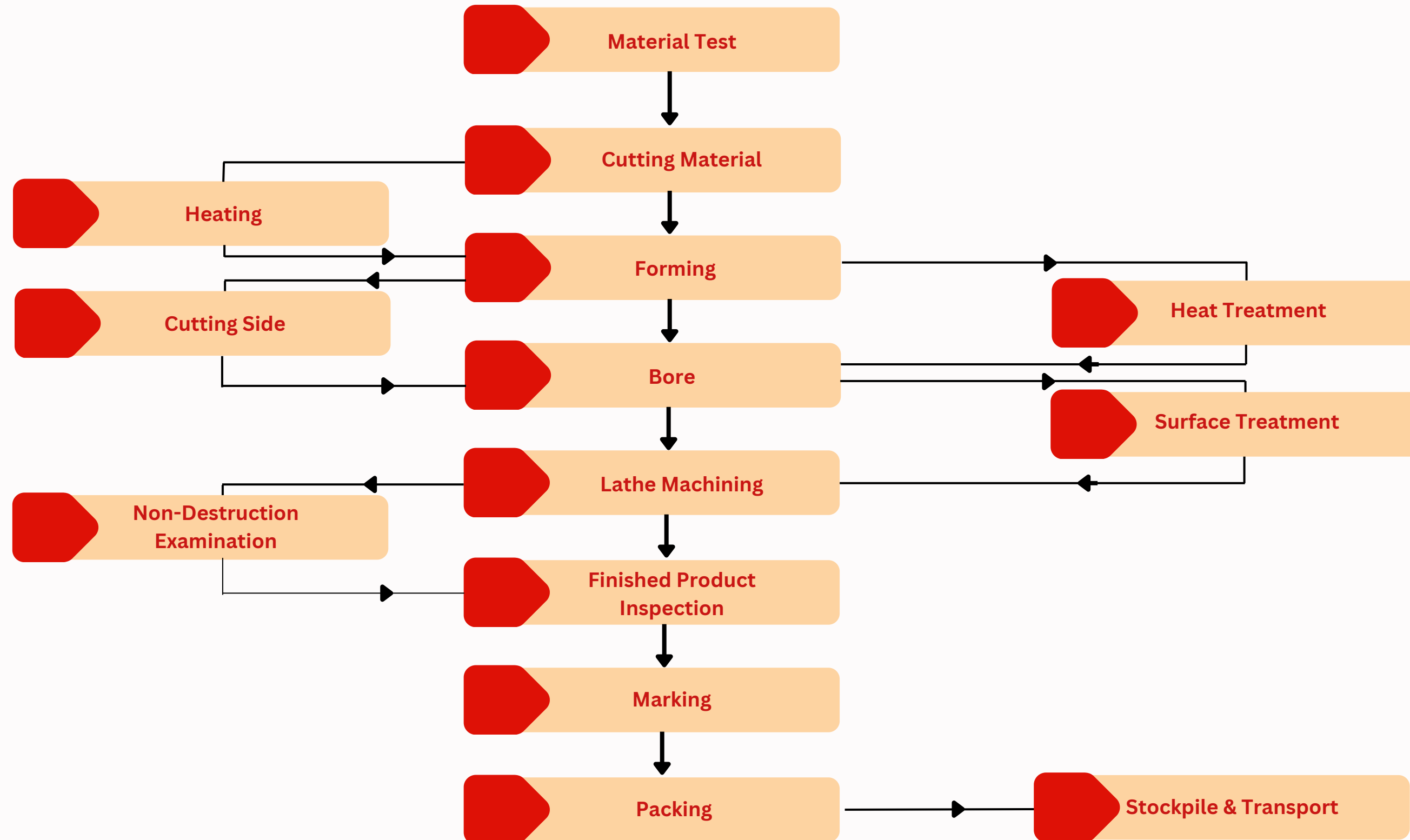
ORIFICE FLANGES

SOCKET WELD FLANGES

LAP JOINT FLANGES

REDUCING FLANGES

MANUFACTURING PROCEDURE - FLANGES



MACHINERY-FLANGES

Sr. No.	NAME OF THE MACHINERY	QTY
A	Forging	
1	Forging infrastructure includes:	01 No.
2	Closed Die Forging Hammer 3MT Capacity	01 No.
3	Open Forging Hammer (Steam) 10 MT Capacity	02 Nos.
4	Furnace to heat raw material	02 Nos.
5	Heat Treatment	01 No.
6	We perform Normalizing, Tempering, Hardening, Quenching	01 No.
7	Solution Annealing etc.	01 No.
8	HT Furnace with 6 point Temp. Recorder & Temp	01 No.
9	Controller 10 MT Capacity	01 No.
10	Precision Machining	02 Nos.
11	VMC M/C	01 No.
12	VTL M/C	01 No.
13	DRILLM/C	01 No.
14	BORING	01 No.
15	CNC M/C	01 No.
16	LATHEM/C	01 No.
17	PLANERMILLER	01 No.
18	BAND-SAW	01 No.



● FITTINGS ●

Butt-Weld Fittings

Stainless Steel: ASTM A403 WP 202, 303, 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 904L, etc.

Carbon Steel: ASTM / ASME A234 WPB, ASME / ANSI B16.9

Alloy Steel: ASTM A234 WP P1 / P5 / P9 / P11 / P22 / P91, etc.

Duplex Steel: ASTM A815 UNS S31803, S32205, S32750, S32760, etc

Copper Alloys: C-101, C-101, C-102, C-103, C-120, C-122, Cupronickel Cu70Ni30 (C-71500), Cu90Ni10 (C-70600), Brass, Beryllium Copper, Phosphor Bronze, Gunmetal Nickel Alloys: Nickel 200, 201, Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 718, 800H/T, 825, etc.

Type: Long Radius / Short Radius 90 Elbow & Bend, Long radius / Short Radius 45 Elbow, Long Radius / Short Radius 180 Elbow / U Bend / Return Bend, Reducing Elbow, Equal / Unequal Tee, Crosses, Concentric / Eccentric Reducer, Long / Short Stubend, Collar, Pipe Cap / End Cap, Full & Half Couplings, Full & Half Socket, Plug, Etc

Size: ¼" NB to 72" NB (Seamless & Welded)

Wall Thickness: Sch 5S to Sch XXS

Screwed & Forged Fittings

Stainless Steel: ASTM A182 WP 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, etc.

Carbon Steel: ASTM / ASME A105 / A234 WPB ASME / ANSI B16.11 Alloy Steel: ASTM AWP P1 / P5 / P9 / P11 / P22 / P91, etc.

Duplex Steel: ASTM A182 F51, F53, F55, F60, F61, etc

Copper Alloys: C-101, C-101, C-102, C-103, C-120, C-122, Cupronickel Cu70Ni30 (C-71500), Cu90Ni10 (C-70600), Brass, Beryllium Copper, Phosphor Bronze, Gunmetal Nickel Alloys: Nickel 200, 201, Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 800, 825, etc.

Type: Elbow, Tee, Union, Cross, Coupling, Plug, Swage Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, insert, Etc

Size: ¼" NB to 32" NB (Socket-Weld & Threaded)

Class: 3000#, 6000# & 9000#

ELBOW

REDUCER

TEE

PIPE CAP

CROSS

COUPLING



PRODUCT



● FITTINGS ●

Bend

Size: 2" NB to 18" NB

Wall Thickness: Sch 5S to Sch XXS

Type: Seamless, Welded, Fabricated

Form: Long Radius Bend, Piggable Bend, Hot bend, With R=3D, 5D, 6D, 8D, 10D & Customized Bend

Materials

Stainless Steel - ASTM A 403 WP TP304, 304L, 309, 310, 316, 316L, 317, 321, 410, 904L, etc.

Duplex Stainless Steel - ASTM A 815 UNS S31803, S32760, S31500

Alloy Steel - ASTM A 234 WP-P5, P9, P11, P12, P21, P22 & P91

Carbon Steel - ASTM A 234 WPB

Nickel Alloy: Nickel 200, 201, Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 800, 718, 800H/T, 825, etc.

Copper Alloys: C-101, C-101, C-102, C-103, C-120, C-122, Cupronickel Cu70Ni30 (C-71500), Cu90Ni10 (C-70600), Brass, Beryllium Copper, Phosphor Bronze, Gunmetal

Outlet Fittings

Stainless Steel: 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, etc.

Carbon Steel: ASTM / ASME A/SA 105, ASTM / ASME A/SA 350 LF2, LF3

Alloy Steel: ASTM A182 P1 / P5 / P9 / P11 / P22 / P91, etc.

Duplex Steel: F51, F53, F55, F60, F61, etc.

Copper Alloy: Cupronickel Cu70Ni30 (C-71500), Cu90Ni10 (C-70600), Brass

Nickel Alloy: Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 800, 825, etc.

Types: Elbolet, Weldolet, Thredolet, Socklet, Nipolet, Branzolet, Couplet, Sweepolet, etc.

Size: 1/4" NB to 24" NB

Class: 3000#, 6000#, 9000#

Schedule: Sch 5 to Sch XXS

ELBOW

REDUCER

TEE

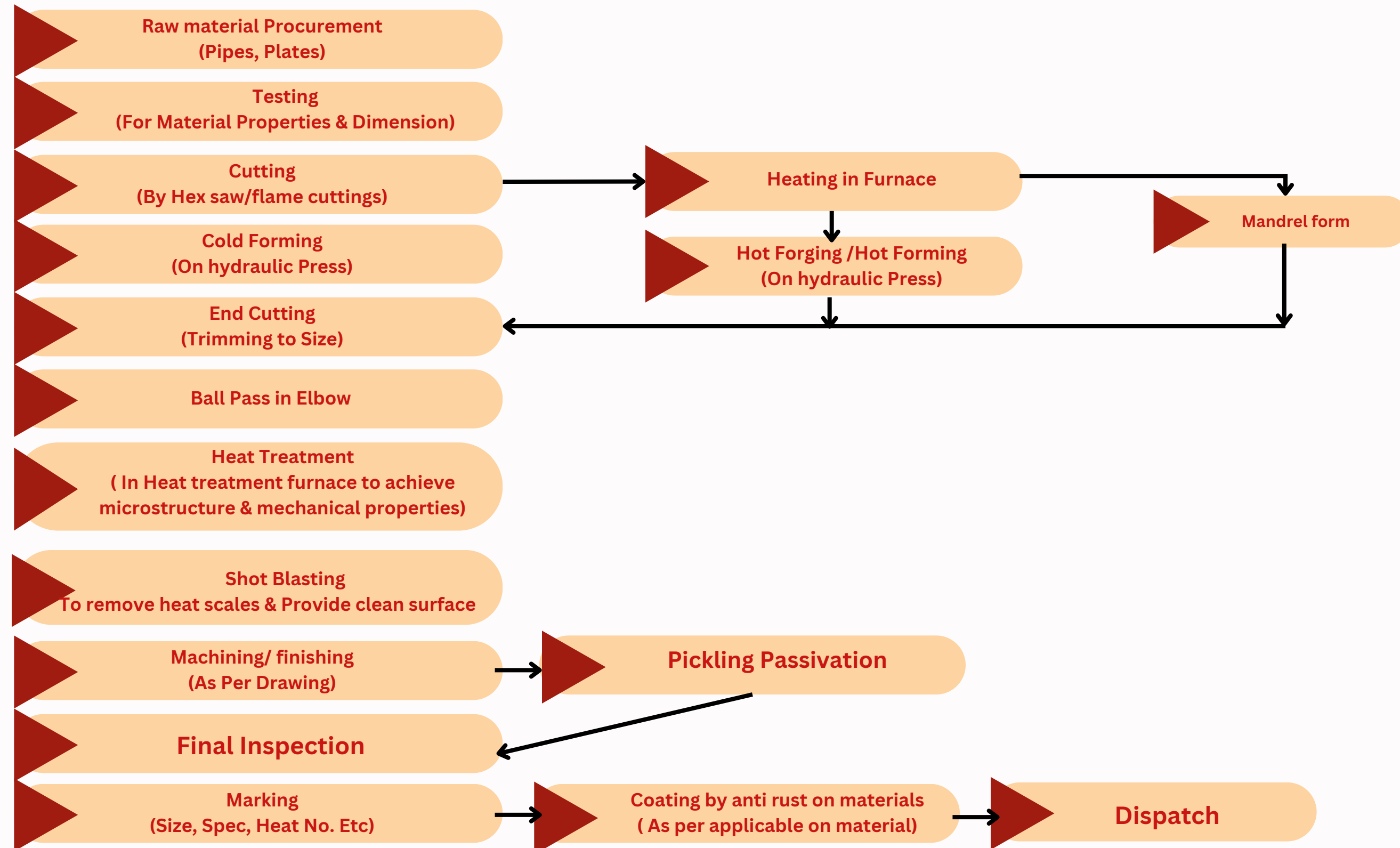
PIPE CAP

CROSS

COUPLING



MANUFACTURING PROCEDURE - FITTINGS



MACHINERY-FITTINGS

Sr. No.	NAME OF THE MACHINERY	QTY
1	1000 Tons Hydraulic Press	01 No.
2	750 Tons Hydraulic Press	01 No.
3	450 Tons Hydraulic Press	01 No.
4	350 Tons Hydraulic Press	01 No.
5	100 Tons Hydraulic Press	01 No.
6	Heat Treatment Furnace with Auto Temperature - Controller and Temperature	02 Nos.
7	Machining lathe (4 feet long)	02 Nos.
8	Machining lathe (8 feet long)	04 Nos.
9	Machining lathe (6 feet long)	02 Nos.
10	Machining lathe (16 feet long)	02 Nos.
11	Induction Elbow Hot Forming Machine Upto 8"	01 No.
12	CNC Plasma Cutting Machine	01 No.
13	Computerised Marking Machine	01 No.
14	Radial Drill Machine 50 MM	02 Nos.
15	Drill Machine 40 MM	02 Nos.
16	Drill Machine 32 MM	03 Nos.
17	Plate Bending Machine {25mm THK}	01 No.
18	Plate Bending Machine (50mm THK)	01 No.
19	Plate Bending Machine {60mm THK}	01 No.
20	125 KVA Captive Power Generator	03 Nos.



MACHINERY-FITTINGS

Sr. No.	NAME OF THE MACHINERY	QTY
21	160 KVA Captive Power Generator	01 No.
22	MiG Welding Set	06 Nos.
23	TIG Welding equipment	06 Nos.
24	Welding Rectifiers	18 Nos.
25	SAW Welding	03 Set.
26	Pug Machine	03 Nos.
27	Plasma Cutting Machine (Manual)	01 No.
28	Bend saw machine	03 Nos.
29	Various Tools, Fixtures,Jigs etc	-
30	Various Dies and Moulds	-
31	Various other portable Drills I Cutting and Grinding equipment and Electrodes Baking&Holding Ovens etc.	-
32	Shot/Sand Blasting Machine	02 Nos.
33	Over Head Crane 3 Tons	02 Nos.
34	Over Head Crane 20 Tons	01 No.
35	Over Head Crane 10 Tons	01 No.
36	Over Head Crane 5 Tons	03 Nos.
37	Over Head Crane 7.5 Tons	01 No.
38	Heating Coils with Temperature Recorders	02 Sets.
39	Air Compressor	-



PRODUCT



FASTENERS

- FASTENERS**

High Tensile: ASTM A 193 GR B6, B7, B7M, B16, ASTM A 193 GR 2H, 2HM, IS (GR.6, 6.8, 6.9,8.8, 10.9, 12.9,) BS (GR. R, S, T) ASTM A320

Stainless Steel - ASTM / ASME A 193 B 8 (304), B 8C (SS 347), B 8M (SS 316), B 8 T (SS 321),A 2, A 4, 304, H, L, 316, L, Ti, 309 310, 317L, 321, 347, 904L

Duplex Stainless Steel - ASTM A 815 UNS S31803, S32760, S31500

Nickel Alloy - Nickel 200, 201, Hastelloy C-22, C-276, Monel 400, K-500, Inconel 600, 625, 800,718, 800H/T, 825, Etc.

Copper Alloys: C-101, C-101, C-102, C-103, C-120, C-122, Cupronickel Cu70Ni30 (C-71500),Cu90Ni10 (C-70600), Brass, Beryllium Copper, Phosphor Bronze, Gunmetal.

Size: M10 to M100

Length from 15 mm to 5 Mtrs Long

Form: Stud Bolts, Hex Head Bolts, Anchor Bolts, U-Bolts, J Bolts, Mushroom Head Square Neck Bolts, T Head Bolts, Eye Bolt, Foundation Bolts, Structural Bolts, Hexagon Nuts, Hex Coupling Nuts, Square Nut, Self Locking Nut, Hexagon Domed Cap Nuts, Plain Washer, Plain Big OD Washer, Plain Small OD Washer, Spring Lock Washer, Spring Washer Heavy Duty Washer, Socket Head Allen Cap Screws, Threaded Rod (Stud), Split Pin, Etc.



BOLT

NUT

WASHER

SCREW

STUD BOLT

ANCHOR BOLT

MANUFACTURING PROCEDURE - FASTENERS



MANUFACTURING PROCESS WORK FLOW - HEX BOLT

- RAW MATERIAL INSPECTION & STORAGE
- ROUND BAR CUTTING
- CENTRE AND CHAMFER
- FORGING
- TURNING
- FACING
- THREAD ROLLING
- POLISHING
- BUFFING
- INSPECTION OF HEX BOLT
- LASER MARKING
- PACKING

MANUFACTURING PROCESS WORK FLOW - NUT

- RAW MATERIAL INSPECTION & STORAGE
- ROUND / HEX BAR CUTTING
- CENTRE DRILL AND CHAMFER
- FORGING
- HEAT TREATMENT (IF REQUIRED)
- TAPPING
- POLISHING
- BUFFING
- INSPECTION OF NUT (ROUND)
- LASER MARKING
- PACKING

MANUFACTURING PROCESS WORK FLOW - STUD

- RAW MATERIAL INSPECTION & STORAGE
- ROUND BAR CUTTING
- CENTRE AND CHAMFER
- TURNING
- FACING
- THREAD ROLLING
- POLISHING
- BUFFING
- INSPECTION OF STUD
- LASER MARKING
- PACKING

MACHINERY-FASTENERS

1. FURNACES
2. HAMMERS
3. HEAVY-DUTY PRECISION LATHES
4. LIGHT-DUTY PRECISION LATHES
5. DRILLS
6. BAND SAWS
7. THREAD ROLLING MACHINE
8. BELT-GRINDING MACHINE
9. BENCH-GRINDING MACHINE
10. POLISHING MACHINE
11. TRAUB MACHINE
12. LASER MARKING
13. QUALITY CONTROL LAB

