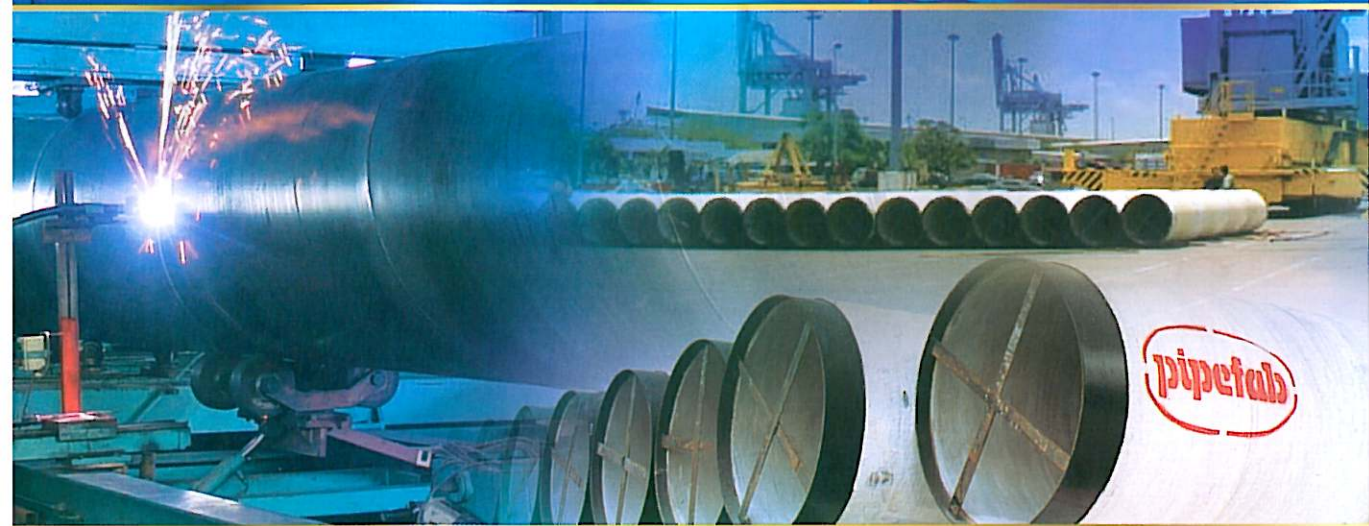


pipefab



pe specialists



03 INTRODUCTION

04 OUR SERVICES & EXPERTISE

06 PRODUCTION PROCESS

09 IT'S ALL ABOUT QUALITY

10 SPECIFICATIONS

12 STEEL PIPES SPECIALS & FITTINGS

13 STEEL PIPES JOINTING SYSTEM

14 PROJECT AT SITE & ACHIEVEMENT

Contents

BUILDING **DREAMS** – WHERE IT ALL **BEGAN.**

PIPEFAB INDUSTRIES SDN BHD

was established in 1984. Building our reputation on consistency, **PIPEFAB** has long since been producing pipes for various industrial uses in strict accordance to local and international standards.

Our strong commitment to maintaining persistent high standards has helped our range of products gain approval from **IKRAM** and other water authority boards. Generally, our standard of manufacturing steel pipes conforms to BS534, BS3601 and JKR/JBA Standards.

PIPEFAB aims to become the key player in pipe manufacturing. Whether locally or regionally, we are poised with the winning edge. For years, we have created a solid foundation in providing quality products, excellent workmanship, strong teamwork and ability to meet our industry's quality management standards of **ISO 9001:2000**.



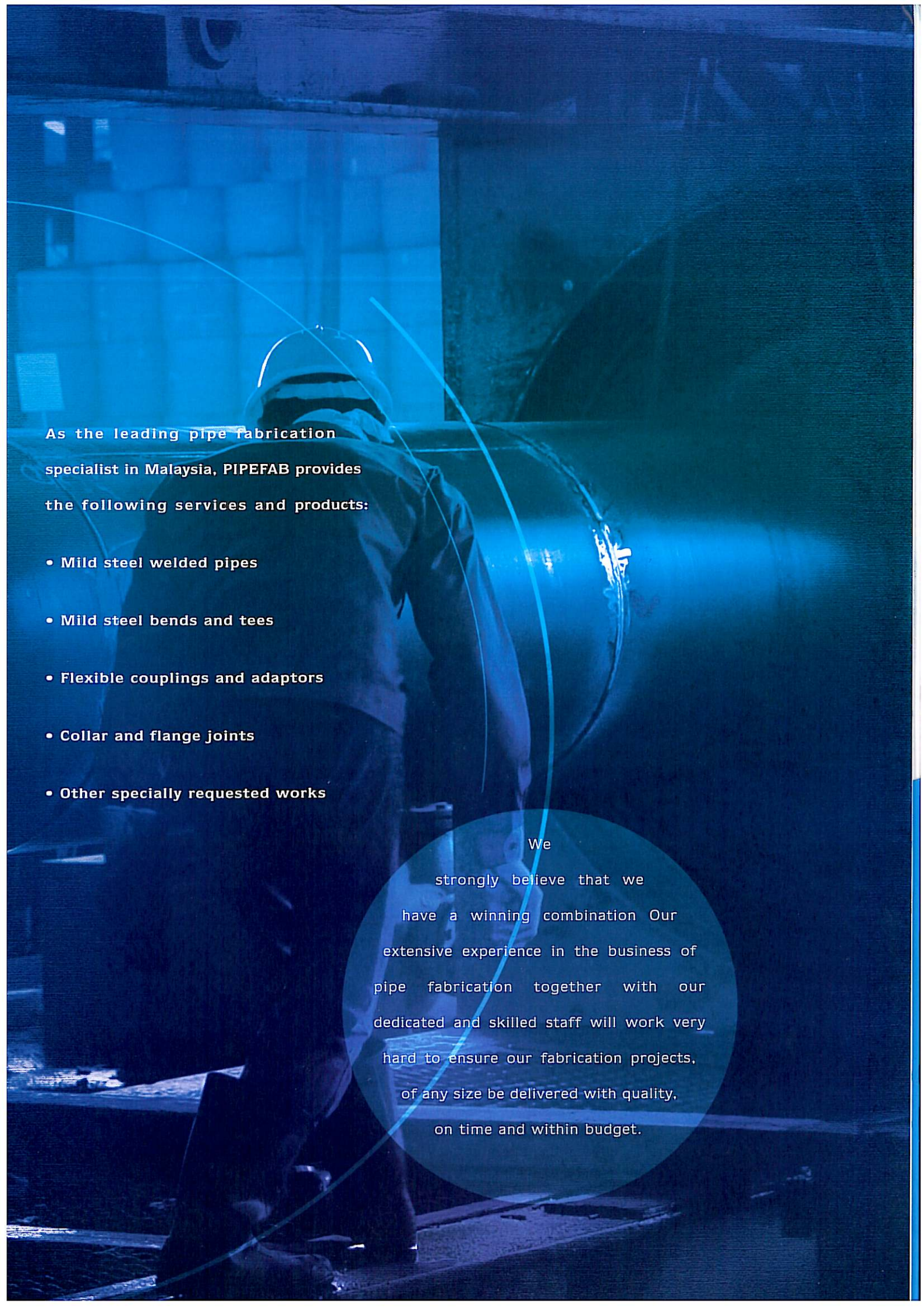
Our Services & Expertise

COMMITTED AND EXPERIENCED RESOURCES WE CAN'T DO WITHOUT.

PIPEFAB has earned an enviable reputation amongst competition as a reliable manufacturer of quality mild steel pipes and fittings that meet diverse needs and specifications. Our modern factory premises, located on Subang Industrial Park's 8-acre site boasts 2 state-of-the-art production lines. This is an added advantage as it is strategically located close to highways, airports and seaports. **PIPEFAB** is staffed with skilled workers that are capable of delivering our Clients' requirements together with the quality and specifications.

PIPEFAB's current minimal annual production capacity of mild steel pipes is approximately 25,000 tons. Nevertheless, we are planning to expand in order to double our current production capacity.





As the leading pipe fabrication specialist in Malaysia, PIPEFAB provides the following services and products:

- **Mild steel welded pipes**
- **Mild steel bends and tees**
- **Flexible couplings and adaptors**
- **Collar and flange joints**
- **Other specially requested works**

We strongly believe that we have a winning combination. Our extensive experience in the business of pipe fabrication together with our dedicated and skilled staff will work very hard to ensure our fabrication projects, of any size be delivered with quality, on time and within budget.

Production Process

SPIRAL PROCESS

START

Plate Thickness Inspection

Decoiling

Circumferential Length Inspection

Roll Leveling

Skelp End Welding

External Welding

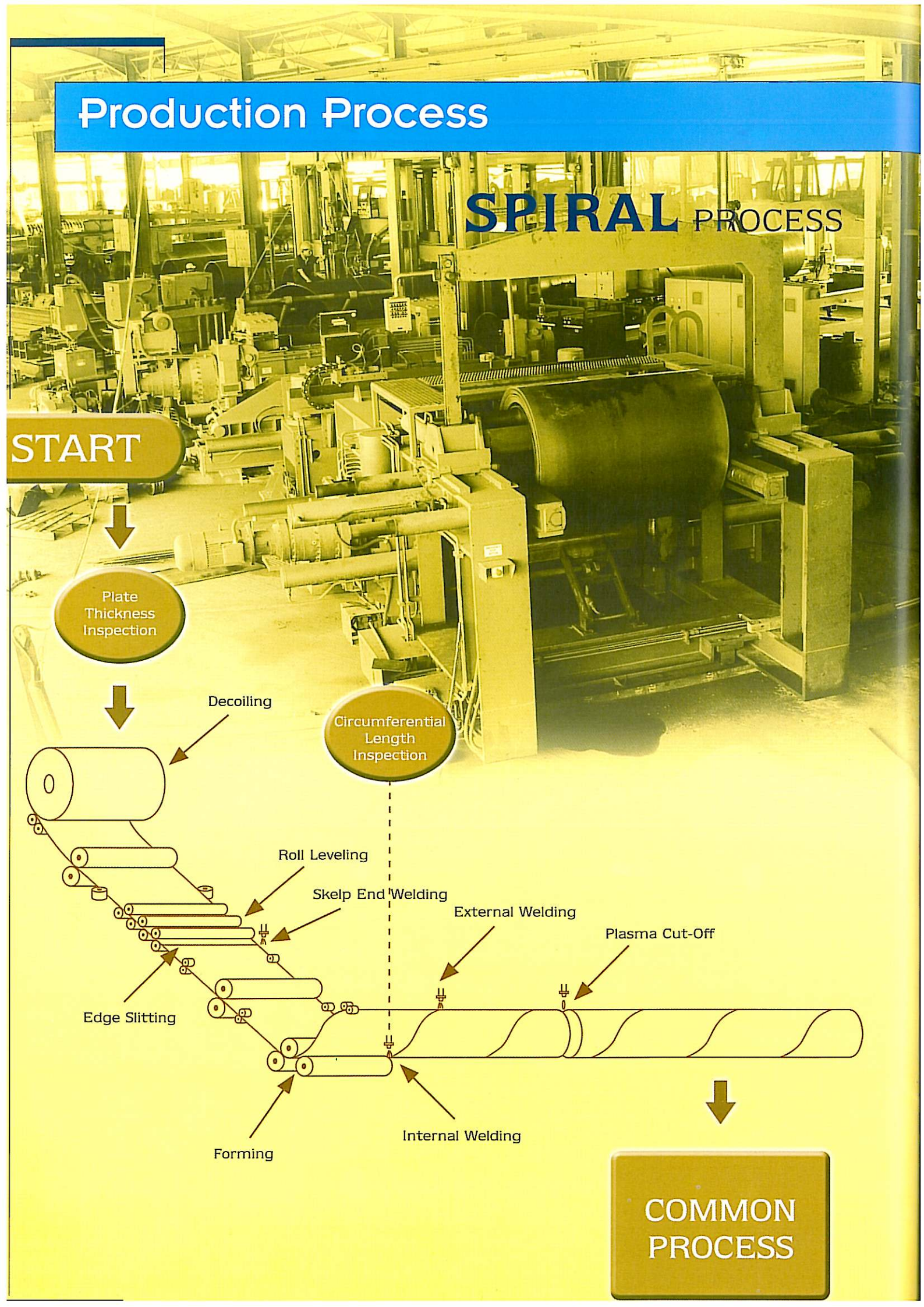
Plasma Cut-Off

Edge Slitting

Forming

Internal Welding

COMMON PROCESS



START

SECTIONAL PROCESS

Plate Thickness Inspection

Plate Shearing

Decoiling

Roll Leveling

Plate Diagonal Length Inspection

Bend Rolling

Edge Setting

Internal & External Longitudinal Welding

Assembly

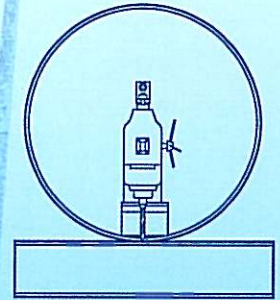
Internal & External Circumferential Welding

COMMON PROCESS

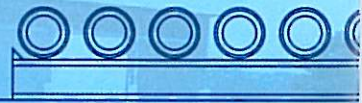
SPIRAL PROCESS

SECTIONAL PROCESS

Grit Blasting Inspection



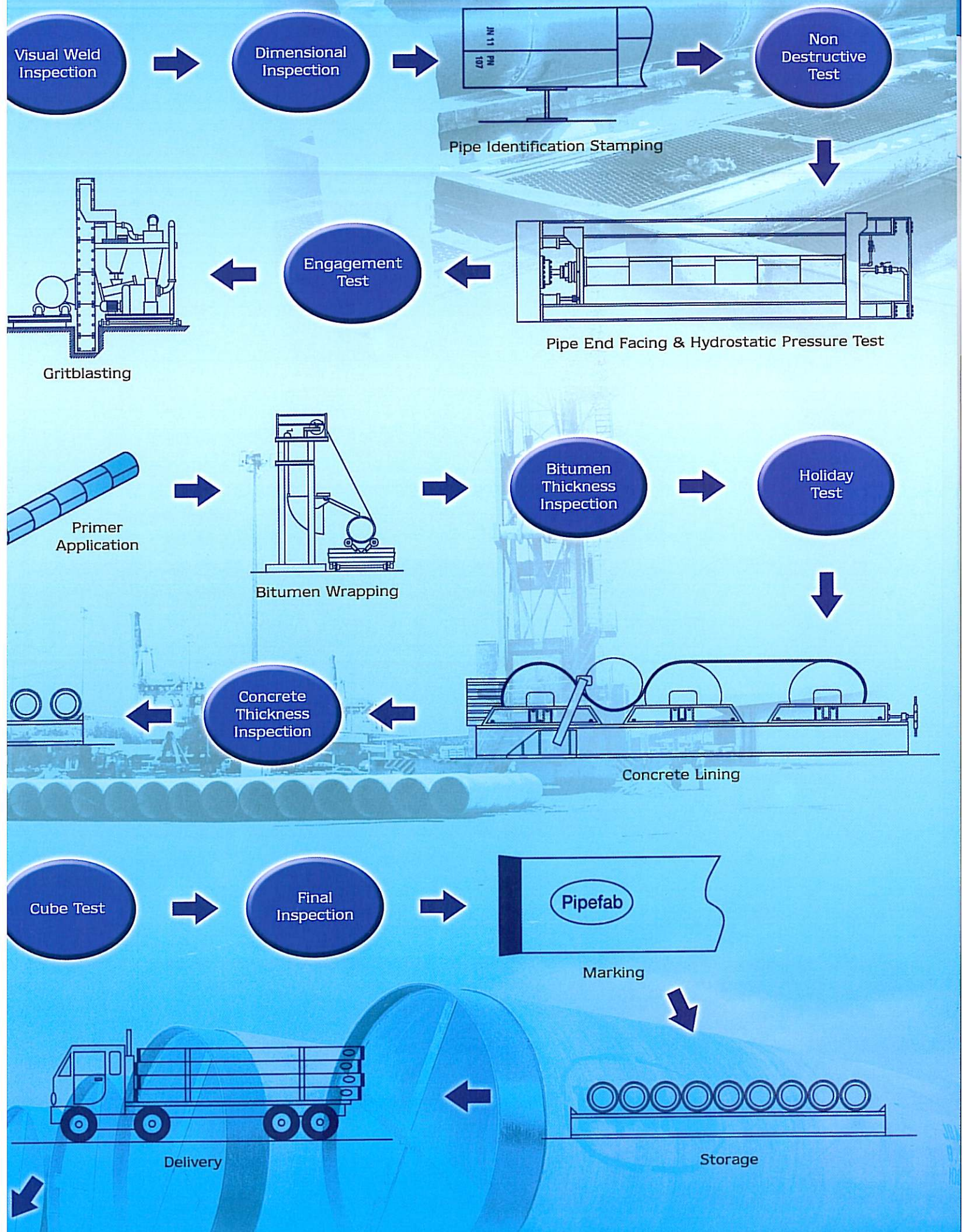
Tap Hole Drilling



Curing

Peel Test

COMMON PROCESS



It Is All About Quality

• Dimensional Inspection

It is our policy to provide excellent quality products to our customers with a management system that has been properly established, implemented and maintained in our company.

We comply with all statutory, regulatory and customers' requirements by strictly adhering to quality objectives and effective control of processes and inspection activities.

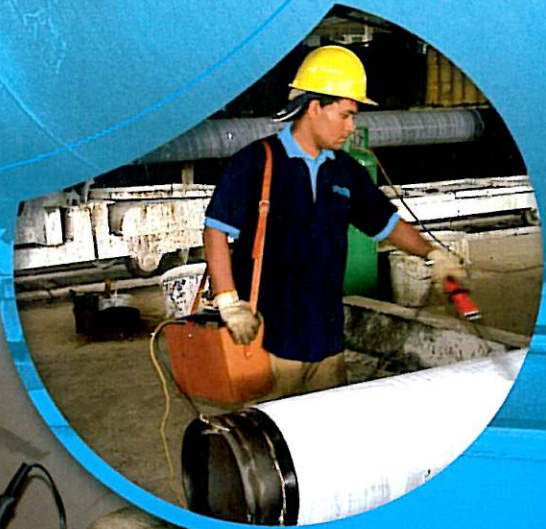
But most importantly, we shall continue to improve our effective management system to enhance our customers' satisfaction.

This quality policy will be consistency communicated and shared within our company to demonstrate our commitment to total quality management of

ISO 9001:2000. It will also be reviewed from time to time to ensure its effectiveness and suitability.

• Holiday Test

Peel Test •



Thickness Inspection •



Specifications

SPECIFICATIONS TO JKR/JBA STANDARD

NOMINAL DIAMETER	INTERNAL DIAMETER	STEEL SHELL THICKNESS	CEMENT LINING THICKNESS	FINISHED EXTERNAL DIAMETER	TESTING PRESSURE	APPROXIMATE MASS		
						STEEL SHELL kg/m	CEMENT LINING kg/m	BITUMEN WRAPPING kg/m
(mm)	(mm)	(mm)	(mm)	(mm)	(BAR)			
100	93.7	4.1	10	121.9	70	11.9	7.5	2.4
150	149.1	4.1	10	177.3	70	17.5	11.6	3.5
200	204.0	4.1	10	232.2	70	23.1	15.6	4.5
250	257.8	4.1	10	286.0	70	28.5	19.5	5.5
300	313.8	5.8	10	345.4	70	48.6	23.6	6.7
350	361.7	5.8	13	399.3	63	56.3	35.5	10.3
400	415.5	5.8	13	453.1	56	64.0	40.6	11.7
450	469.4	5.8	13	507.0	50	71.7	45.7	13.1
500	522.7	5.8	13	560.3	45	79.3	50.7	14.4
600	628.0	6.5	13	667.0	42	105.9	60.7	17.1
650	651.2	7.4	13	692.0	47	124.9	62.9	17.8
700	701.2	7.4	19	754.0	43	136.2	99.6	19.3
750	751.2	7.4	19	804.0	40	145.4	106.5	20.6
800	801.2	7.4	19	854.0	38	154.5	113.5	21.9
850	851.2	7.4	19	904.0	36	163.6	120.4	23.2
900	901.2	7.4	19	954.0	34	172.7	127.3	24.4
1000	1000.0	8	19	1054.0	32	206.4	140.9	27.0
1050	1050.0	9.5	19	1107.0	31	257.1	147.9	28.3
1100	1100.0	9.5	19	1157.0	30	268.8	154.8	29.6
1150	1150.0	9.5	25	1219.0	28	283.3	213.9	31.2
1200	1200.0	10	25	1270.0	29	310.7	223.0	32.5
1300	1300.0	11	25	1372.0	29	369.2	241.2	35.1
1400	1400.0	11	25	1472.0	27	396.3	259.4	37.6
1500	1500.0	13	25	1576.0	30	501.1	277.6	40.2
1600	1600.0	13	25	1676.0	28	533.1	295.8	42.8
1700	1700.0	13	25	1776.0	26	565.2	314.0	45.3
1800	1800.0	13	25	1876.0	26	597.2	332.2	47.9
1900	1900.0	13	25	1976.0	24	629.3	350.4	50.4
2000	2000.0	14	30	2088.0	24	716.0	443.4	53.3
2100	2100.0	14.5	30	2189.0	24	777.5	465.2	55.8
2200	2200.0	15	30	2290.0	24	841.5	487.0	58.4

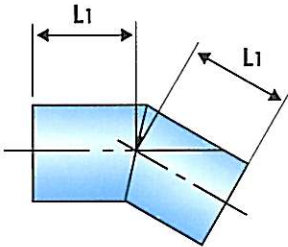
SPECIFICATIONS TO BS 534: 1990

OUTSIDE DIAMETER	STEEL SHELL THICKNESS	CEMENT LINING THICKNESS	TESTING PRESSURE	APPROXIMATE MASS		
				STEEL SHELL kg/m	CEMENT LINING kg/m	BITUMEN WRAPPING kg/m
(mm)	(mm)	(mm)	(BAR)			
114.3	3.6	6	70	9.8	4.4	1.5
139.7	3.6	6	70	12.1	5.5	1.8
168.3	3.6	6	70	14.6	6.8	2.2
193.7	4.0	6	70	18.7	7.8	3.8
219.1	4.0	6	70	21.2	9.0	4.3
244.5	4.0	6	70	23.7	10.1	4.8
273.0	4.0	6	64	26.5	11.3	5.3
323.9	4.0	6	54	31.6	13.5	6.3
355.6	4.5	7	56	39.0	17.3	9.2
406.4	4.5	7	49	44.6	19.9	10.5
457.0	5.0	7	48	55.7	22.4	11.8
508.0	5.0	7	43	62.0	25.0	13.1
559.0	6.3	7	50	85.9	27.5	14.4
610.0	6.3	7	45	93.8	30.1	15.7
660.0	6.3	9	42	102	41.8	16.9
711.0	6.3	9	39	109	45.2	18.2
762.0	6.3	9	36	117	48.5	19.5
813.0	7.1	9	38	141	51.7	20.8
864.0	7.1	9	36	150	55.1	22.1
914.0	7.1	9	34	159	58.4	23.4
1016.0	7.1	9	31	177	65.0	26.0
1219.0	8.0	9	29	239	78.2	31.2
1422.0	8.8	12	27	307	121.6	36.3
1626.0	10.0	12	27	399	139.3	41.5
1829.0	11.0	12	26	493	156.8	46.7
2032.0	12.5	12	27	623	174.3	51.8
2235.0	14.2	12	28	778	191.7	57.0

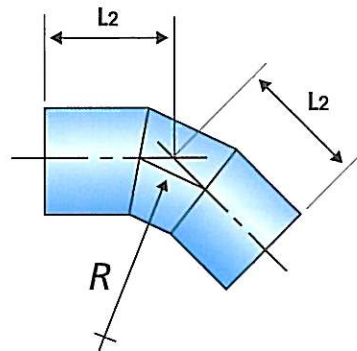
- 1) O.D., wall thickness are based on Table 1 of B.S. 534 - 1990.
- 2) Mass for bitumen enamel is based on thickness specified on Table 10 of B.S. 534 - 1990.
- 3) Cement lining thickness is based on Table 14 of B.S. 534 - 1990.
- 4) Pipe sizes and dimensions other than stated above can be manufactured upon request.
- 5) The steel thickness given are the minimum considered suitable for general use under normal condition.

Steel Pipes Specials / Fittings

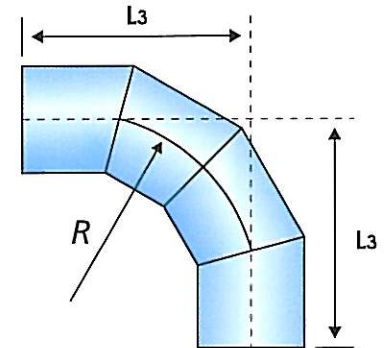
Gusseted Bends



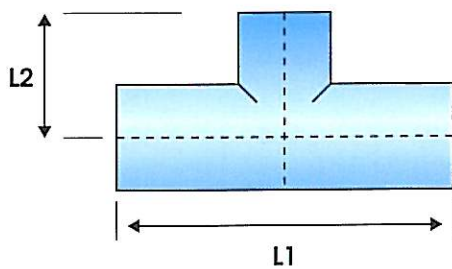
- Gusseted bend not more than 30°



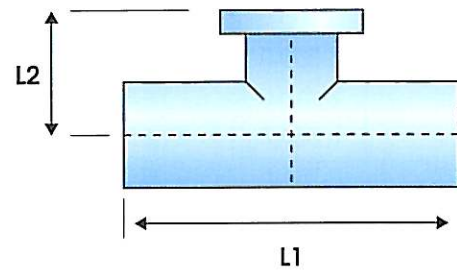
- Gusseted bend over 30° up to 60°



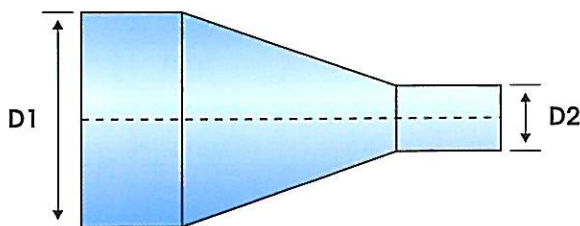
- Gusseted bend over 60° up to 90°



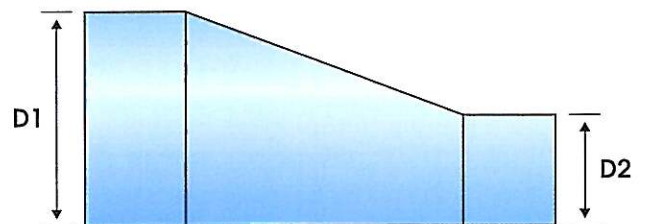
Plain Ended Tee



Flanged Off-Take Tee

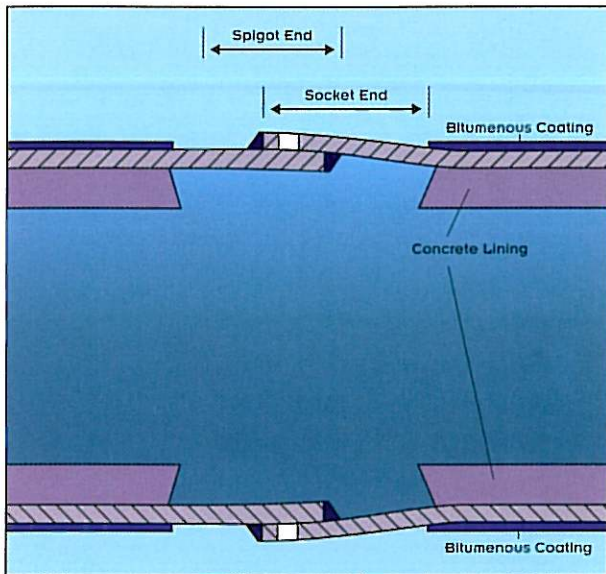


Concentric Tapers



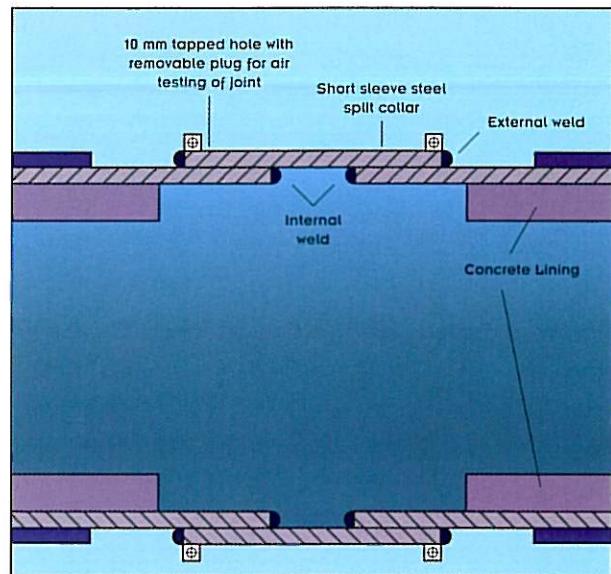
Eccentric or Flat Taper

Steel Pipes Jointing System



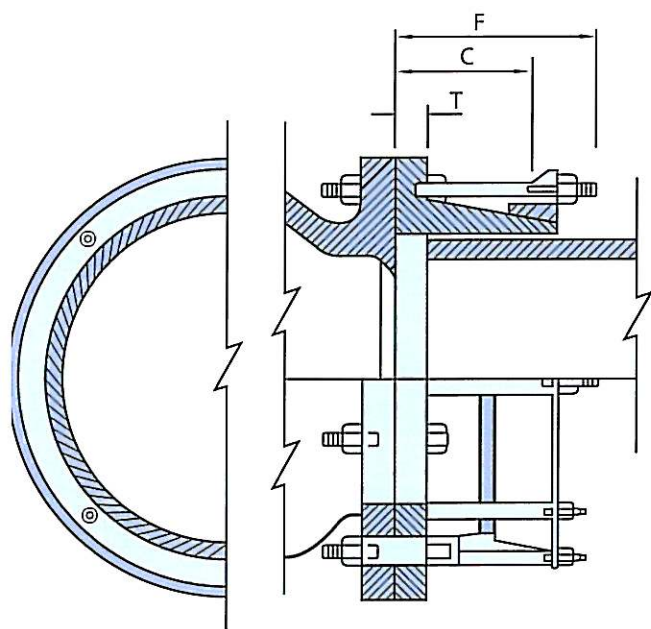
Welded Spigot & Socket Joint

Available in all sizes of steel pipes and very commonly used in Malaysia. Able to accommodate an angular deflection of at least to 2° per joint. For diameters 700mm and above both internal and external fillet welding at site required.

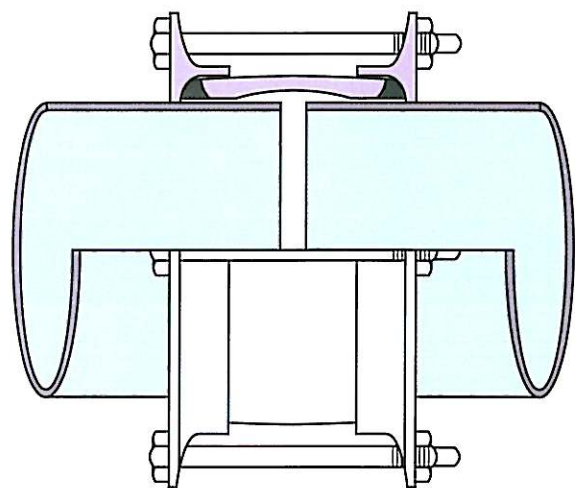


Collar Joint

Suitable for jointing plain ended pipelines and provide rigid joints. Available in split type and makes it easier to align pipes for welding. Both internally and externally fillet welded for 700mm diameter and above.



Flange Adaptor



Mechanical Coupling


Project At Site & Achievement

• 1500mm dia. pipe
at Setia Alam.




• Pipes & Fittings to
Labuan






• 1800mm dia. at Shah Alam



• 400mm dia. to
Kota Kinabalu



• 1200mm dia. x 45°
Plain Ended Bends at
Lestari Puchong

Project At Site & Achievement

• 1800mm dia. pipes



• 1000 mm dia. pipes
for Papua New Guinea
Project

CAPE HOWE
HONG KONG