

AFRA NOJAN PIPE

SAW pipes are manufactured by welding the edges of steel plates or by spiral welding of hot rolled coil (HR coil). The Saw Pipes manufactured from plates are called Longitudinal Submerged Arc Welded (LSAW) and are mainly used for transporting oil and gas (onshore/offshore). While, Helical Submerged Arc Welded (HSAW) pipes are made from HR coil, where the coil is welded spirally to give a shape of pipe and are mainly used for transporting oil and gas (onshore) and water transport. Apart from these, both the category of pipes can be used for structural applications also.



Helical Submerged Arc Welded (HSAW) Pipes

Capability	
Capacity	275,000 TPA
Diameter	406 – 2,540 mm
Thickness	6 – 25.4 mm
Grade	Up to API 5L – X-80
Pipe length (max)	12,500 mm
Coil width range	900 – 2,000 mm
Coil weight	30 MT (max)
Forming speed	4 – 8 m / min

- ### Application
- Onshore and offshore oil & gas pipelines
 - Project/Terminal piping water and sewage distribution and transmission lines
 - Irrigation system
 - Refineries
 - Power plants
 - Pipes for potable water

Longitudinal Submerged Arc Welded (LSAW) Pipes

Capability	
Capacity	325,000 TPA
Diameter	406 – 1,524 mm
Thickness	6 – 65 mm
Grade	Up to APL 5L – X-80
Pipe length (max)	12,500 mm

- ### Application
- Onshore and offshore oil & gas pipelines
 - Pipes for portable water
 - Refineries
 - Power plants
 - Structural pipes for offshore structures and piles

HSAW Dimensions

Pipe Diameter	Wall thickness										
	6.4	8.7	10.3	12.7	14.3	15.9	19.1	20.6	22.2	23.8	25.4
406	X-80	X-80	X-70	X-70							
457	X-80	X-80	X-70	X-70							
508	X-80	X-80	X-70	X-70							
559	X-80	X-80	X-70	X-70	X-65						
610	X-80	X-80	X-80	X-70	X-65						
660	X-80	X-80	X-80	X-70	X-65	X-60					
711	X-80	X-80	X-80	X-70	X-65	X-60					
762	X-80	X-80	X-80	X-70	X-70	X-70	X-65				
813	X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65			
864	X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65			
914	X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65	X-60		
965	X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65	X-60		
1,016	X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65	X-65		
1,067		X-80	X-80	X-80	X-70	X-70	X-70	X-65	X-65	X-65	
1,118		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,168		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,219		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,270		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,321		X-80	X-80	X-80	X-70	X-70	X-65	X-70	X-65	X-65	
1,372		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,422		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,473		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,524		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	
1,575		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,626		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,676		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,727		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,778		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,829		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-60
1,880		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
1,930		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
1,981		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,032		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,083		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,134		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,184		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,235		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,286		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,337		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,388		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,438		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,489		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65
2,540		X-80	X-80	X-80	X-70	X-70	X-65	X-65	X-65	X-65	X-65

Grade : API 5L

X-60 ■

X-65 ■

X-70 ■

X-80 ■



www.afranojan.com

info@afranojan.com

AFRA NOJAN Co.

Unit 3, 2nd Floor, No.56, Corner of Amir Alley, After Sohrevardi
Cross, Motahari Ave. Tehran, IRAN.

Zip Code : 1566785653

Tel : +98 21 88470125 , 88470140

Fax : +98 21 88470218