

UZIN
GROUP

IPROLAM SA



HPML ESSAR Ltd. India

Mechanical Expander $\text{Ø } 16'' \div \text{Ø } 60''$
Commissioning & Acceptance August 2010

GENERAL TECHNICAL CHARACTERISTICS

Longitudinally welded steel pipes:

1. Pipe characteristics before expanding				
	Expander 42"	Expander 48"	Expander 56"	Expander 60"
Material	Up to X70	Up to X70	Up to X80	Up to X80
OD	18" ÷ 42"	18" ÷ 48"	16" ÷ 56"	16" ÷ 60"
Wall thickness	6.4 ÷ 16 mm	6.4 ÷ 25.4 mm	6.4 ÷ 31.8 mm	6.4 ÷ 34.9 mm
Length	6 ÷ 12.1 m	6 ÷ 12.7 m	6 ÷ 12.7 m	6 ÷ 12.5 m
Ovality	max. 3% OD	max. 3% OD	max. 3% OD	max. 3% OD
Straightness	max. 0.25% pipe length	max. 0.25% pipe length	max. 0.25% pipe length	max. 0.25% pipe length
Welding seam temperature	max. 60°	max. 60°	max. 60°	max. 60°
Pipe having double welding seam are accepted (180° between the welding seam). The pipes should not have transversal welding seam.				
Pipe weight	5.2 to	10 to	13.2 to	16 to
2. Characteristics of expanded pipe – according to API 5L				
3. Expanding force	1200 tf	1200 tf	1200 tf	1200 tf
4. Start-up year	2000	2004 2010 2013	2009 2013	2005; 2010

REFERENCE LIST

- ArcelorMittal Galați – Romania – Mechanical expander 56"
- Start-up year 1987
- MAN INDUSTRIES Ltd. INDIA – Mechanical expander 42"
- Start-up year 2000
- JINDAL SAW Ltd – INDIA – Mechanical expander 48"
- Start-up year 2004
- MAN INDUSTRIES Ltd. INDIA – Mechanical expander 60"
- Start-up year 2005
- JINDAL SAW Ltd – INDIA – Mechanical expander 56"
- Start-up year 2009
- JINDAL SAW Ltd – INDIA – Mechanical expander 48"
- Start up year 2010
- ESSAR Steel Ltd – INDIA – Mechanical expander 60"
- Start up year 2010
- EEW – MALAYSIA – Mechanical expander 48"
- Start-up year 2013
- HUNAN SHENGLI XIANGGANG – CHINA – Mechanical expander 56"
- Start-up year 2013