



48" Mechanical Expander for EEW Malaysia 2013

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