

XL-SERIES LONG LENGTH REELING HOSE



Stackertech® XL Series Long Length Reeling hoses are specifically designed for use in mining stackers and reclaimers, providing effective dust suppression in coal and iron ore mining operations.

Constructed with seamless joins every 120 meters, our unique manufacturing process minimizes the risk of hose failure saving costly downtime. Stackertech® is the proven choice for stackers and reclaimers across Australia.



TECHNICAL SPECIFICATIONS

| | |
|--------------------|--|
| Hose size | DN 50, 65, 80 |
| Length | 20m to 2,000m |
| Pressure rating | -100kPa - +8000kPa |
| End connections | Plain Internally swaged male BSP thread Fixed flange Camlock Threaded barrel union Custom may be available on request |
| Temperature rating | -30 to +70 C |

MATERIAL SPECIFICATIONS

| | |
|---------------------|---|
| Inner Liner | NEOTECH FRAS (FRAS rated for use in coal mining) |
| Reinforcement | Spiralled synthetic fabric |
| Outer cover | NEOTECH FRAS (FRAS rated with good weathering properties) |
| Connection material | Stainless steel (as standard) Custom |

TECHNICAL PROPERTIES

| HOSE SIZE | | OUTSIDE DIAMETER | STANDARD LINER THICKNESS | TENSILE STRENGTH | MAX ELONGATION AT WORKING PRESSURE | MAX WORKING PRESSURE | | SAFETY FACTOR | WEIGHT | MINIMUM BEND RADIUS |
|-----------|------|------------------|--------------------------|------------------|------------------------------------|----------------------|-----|---------------|--------|---------------------|
| DN | mm | mm | mm | kg | % | kPa | PSI | Ratio | Kg/mt | X Dia |
| 50 | 50.8 | 72 | 3 | 1000 | 1.5 | 1720 | 250 | 4:1 | 2.62 | 10 |
| 65 | 63.5 | 85 | 3 | 1000 | 1.5 | 1720 | 250 | 4:1 | 3.16 | 10 |
| 80 | 76.2 | 97 | 3 | 1000 | 1.5 | 1720 | 250 | 4:1 | 3.69 | 10 |

Key notes

1. Max elongation refers to the maximal amount of radial and longitudinal deformation at maximum working pressure
2. Tensile strength relates to maximum load on hose before break