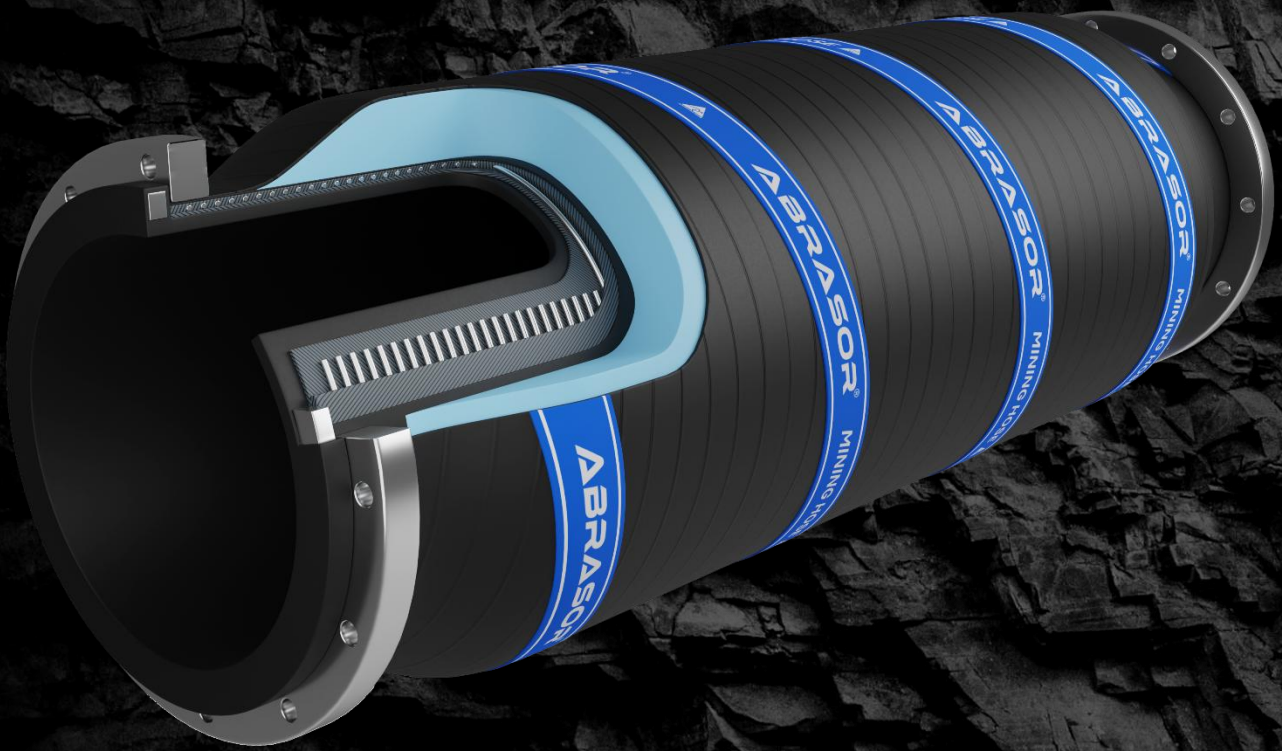


# ABRASOR<sup>®</sup>

XD20 Series Hard Wall Self Floating Dredge Hose



**Longer life.**  
**Less Downtime.**

## World Leading Dredge Hose Performance

Dredging places unique demands on hose, combining highly abrasive slurry, continuous movement and harsh operating conditions. Abrasor Dredge Hoses are purpose built for these environments, delivering exceptional wear resistance, flexibility and durability.

Manufactured in Australia using premium abrasion resistant rubber compounds, our heavy duty rubber wear liners consistently outlast conventional HDPE pipe in abrasive slurry service, extending pipeline life and reducing maintenance requirements.

Every Abrasor hose is manufactured under our ISO 9001 certified quality management system and inspected and tested to strict documented standards. With premium materials, controlled manufacturing and application-specific construction, Abrasor delivers dependable performance where it matters most.

Longer wear life. Fewer changeouts. Less downtime. Lower total cost of ownership.



### Superior Materials

Our exclusive Abrasatech compound is one of the lowest abrasion loss rubber compounds used in dredge hose applications worldwide. We only select the most premium quality materials for our manufacturing process.



### ISO9001 Quality System

ISO9001 approved quality management system ensures less variation, meaning fewer failures and longer, reliable service life.



### Manufacturing Capacity

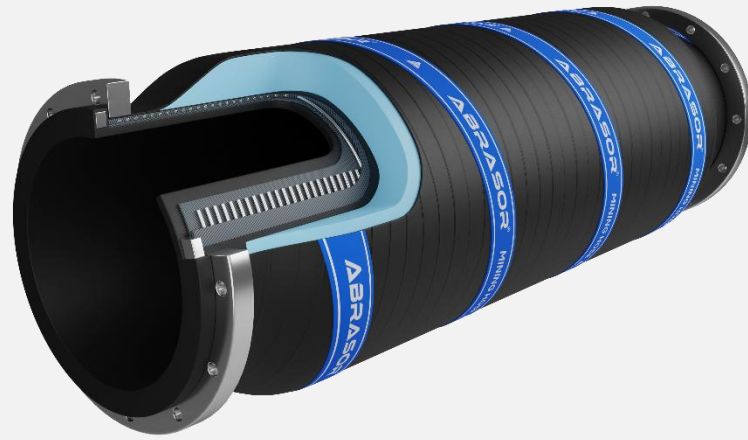
We have one of the largest hose manufacturing capacities in the country, an extensive mandrel inventory, and full in-house production control ensuring repeatable quality across every hose we produce.

# XD20-SERIES HARD WALL SELF FLOATING DREDGE HOSE

# ABRASOR<sup>®</sup>

Abrasor XD20 Series Hard Wall Self Floating Dredge Hoses are designed to replace traditional hose floats and pontoons in dredging operations. Our floating hose is constructed with closed cell foam and double carcass technology, preventing damage and water ingress into the hoses foam layer.

Incorporating our proprietary Abrasatech tube liner, these hoses provide industry leading abrasion loss. Abrasor self floating hose is Ideal for use in floating discharge dredging operations. Manufactured in Australia, Abrasor dredge hoses are the product of choice for contractors and mine sites across the world.



## TECHNICAL SPECIFICATIONS

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Hose size</b>          | DN50 – DN1200                                                                                                             |
| <b>Length</b>             | Up to 20mt                                                                                                                |
| <b>Pressure rating</b>    | -100kPa - +8000kPa                                                                                                        |
| <b>End connections</b>    | Swivel flange(beaded)<br>Flanged spigot (swivel or fixed)<br>Custom                                                       |
| <b>Flange patterns</b>    | AS2129, ASME B16.5, ASME B16.47, AWWA C207,<br>AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123,<br>DIN ISO 7005, custom |
| <b>Safety factor</b>      | 4:1                                                                                                                       |
| <b>Temperature rating</b> | -30 to +80 (ABRASATECH)                                                                                                   |
| <b>Optional extras</b>    | Anti-static wire<br>Wear monitor<br>ID tagging                                                                            |

## MATERIAL SPECIFICATIONS

|                            |                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inner Liner</b>         | ABRASATECH (for high wear slurry)<br>QUARRYTECH (for fine sands slurry)<br>ROCKTECH (for large rock slurry)<br>NITRILE (for high temp abrasive slurry or slurry containing hydrocarbons)<br>BUTATECH (for high acidic slurry)<br>HYPATECH (for high acidic or high temp media) |
| <b>Reinforcement</b>       | Spiralled synthetic fabric<br>Steel wire helix                                                                                                                                                                                                                                 |
| <b>Outer cover</b>         | ABRASATECH (for abrasion and UV resistance)<br>NEOTECH FRAS (for FRAS or oily environments)<br>FLOWTECH (for extreme UV or seawater)                                                                                                                                           |
| <b>Connection material</b> | Hot dipped gal (as standard)<br>Stainless steel (SS316, SS304)<br>Carbon steel<br>Painted<br>Custom                                                                                                                                                                            |

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## TECHNICAL PROPERTIES

| HOSE SIZE |        | STANDARD LINER THICKNESS | MAX LINER THICKNESS | VACUUM RATING | STANDARD WORKING PRESSURE |     | MAX WORKING PRESSURE |      | SAFETY FACTOR | MINIMUM BEND RADIUS |
|-----------|--------|--------------------------|---------------------|---------------|---------------------------|-----|----------------------|------|---------------|---------------------|
| DN        | mm     | mm                       | mm                  | %             | kPa                       | PSI | kPa                  | PSI  | Ratio         | X Dia               |
| 50        | 50.8   | 6                        | 6                   | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 80        | 76.2   | 6                        | 9                   | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 100       | 101.6  | 6                        | 12                  | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 125       | 127    | 6                        | 12                  | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 150       | 152.4  | 6                        | 12                  | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 200       | 203.2  | 6                        | 12                  | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 250       | 254    | 9                        | 15                  | 100           | 1000                      | 145 | 8000                 | 1160 | 4:1           | 8                   |
| 300       | 304.8  | 9                        | 19                  | 100           | 1000                      | 145 | 6000                 | 870  | 4:1           | 8                   |
| 350       | 355.6  | 9                        | 19                  | 100           | 1000                      | 145 | 6000                 | 870  | 4:1           | 8                   |
| 400       | 406.4  | 12                       | 19                  | 100           | 1000                      | 145 | 5000                 | 725  | 4:1           | 8                   |
| 450       | 457.2  | 12                       | 19                  | 100           | 1000                      | 145 | 4000                 | 580  | 4:1           | 10                  |
| 500       | 508    | 12                       | 19                  | 100           | 1000                      | 145 | 4000                 | 580  | 4:1           | 10                  |
| 550       | 558.8  | 12                       | 19                  | 100           | 1000                      | 145 | 4000                 | 580  | 4:1           | 10                  |
| 600       | 610    | 12                       | 19                  | 100           | 1000                      | 145 | 4000                 | 580  | 4:1           | 10                  |
| 650       | 660.4  | 15                       | 19                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 700       | 711.2  | 15                       | 19                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 750       | 762    | 15                       | 19                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 800       | 812.8  | 15                       | 25                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 850       | 863.6  | 15                       | 25                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 900       | 914.4  | 15                       | 25                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 950       | 965.2  | 15                       | 25                  | 100           | 1000                      | 145 | 2500                 | 363  | 4:1           | 12                  |
| 1000      | 1016   | 18                       | 30                  | 100           | 700                       | 102 | 2500                 | 363  | 4:1           | 12                  |
| 1050      | 1066.8 | 18                       | 30                  | 100           | 700                       | 102 | 2500                 | 363  | 4:1           | 12                  |
| 1100      | 1117.2 | 18                       | 30                  | 100           | 700                       | 102 | 2500                 | 363  | 4:1           | 12                  |
| 1150      | 1168.4 | 18                       | 32                  | 100           | 700                       | 102 | 2500                 | 363  | 4:1           | 12                  |
| 1200      | 1219.2 | 18                       | 32                  | 100           | 700                       | 102 | 2500                 | 363  | 4:1           | 12                  |

### Key notes

1. Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
2. Max liner thickness and working pressure will not be compatible with all end configurations, please get in contact with us to find out more

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