

## Tub Replacement Options Dragline Services

### Overview

Komatsu has the engineering and manufacturing expertise to provide tubs adhering to a customer's design preference. Along with the Radial and Grid designs traditionally found on most of the draglines operating globally, we also provide our own unique Gradiat Tub design which has proven itself with an excess of 800,000 trouble-free operating hours. We have been involved with more than 40 tub designs and/or installations and our experienced personnel are available to assist you with finalizing your scope definitions and cost/benefit exercises.

### Tub Replacements

In addition to these standard designs we will also work with our customers on any customization that may be required to reduce or ease maintenance, such as:

- Bolted/sealed manhole covers
- Man-way through roller circle diaphragm
- External man-way access through outside radial wall
- Custom pinion removal stands
- Thicker center section top plates
- Stress relieve complete
- No drain holes / rat-holes
- Thicker bottom plates



Gradiat Tub design



Radial tub design



Grid tub design

For more information, contact  
a local Komatsu Mining Corp.  
representative or visit  
[mining.komatsu](http://mining.komatsu)

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