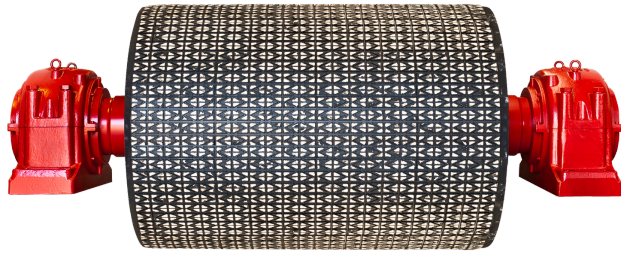
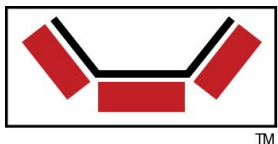


Design  
Engineer  
Innovate



# Pulleys



**DYNA Engineering**

Your Conveyor Partner

11 Rio St Bayswater WA 6053

PO Box 84 Bayswater WA 6933

Telephone: 08 9473 4300 Fax: 08 9473 4399 Freecall: 1800 801 558 [www.dynaeng.com.au](http://www.dynaeng.com.au)

## Pulley Design and Manufacture

DYNA-TRAC® engineered pulleys are designed and manufactured to the highest engineering standards to ensure long, reliable, fatigue-resistant service life. Locally manufactured right here in Perth, Australia, our pulleys are constructed from either pipe or rolled steel shells, and incorporate steel plate end-discs and quality shaft material.

**All DYNA Engineering pulleys are manufactured to the following standards:**

- Machined high-tensile steel shafts
- Rolled steel shells
- Steel plate end-discs (Grade Q235)
- Key-less shaft to hub locking rings
- Dynamically balanced after assembly
- Machined keyway for motor

### Optional:

- Crowned or non-crowned pulley surface
- Lagged or non-lagged
- Bearings and housings
- Full penetration welding
- Non-destructive testing of shafts, shell and welding



### Applicable Standards:

AS 1065	Non-destructive testing of shafts, shell and welding
AS 1210	Stress-relieving of pulley shells
AS 1403	Design of rotating steel shafts for infinite life
AS 1554	Structural Steel Welding Code
Part 1	Welding of steel structures: General Purpose (GP) or Special Purpose (SP)
Part 5	Welding of steel structures subject to high levels of fatigue loading
AS 1627	Metal finishing - preparation and pre-treatment of surfaces
AS 2207	Non-destructive ultrasonic testing of fusion-welded joints
AS 2729	Rolling bearings - dynamic load ratings and rating life
AS 3678	Steel plate materials
AS 4171	Rolling bearing - static load rating
AS 4235	Keys and keyways

## Quality Control

DYNA Engineering pulleys are manufactured under ISO 9001 : 2000 Quality Management System. We provide full documentation of conformity under agreed Inspection and Test Plans (ITP) to Australian and/or International Standards.

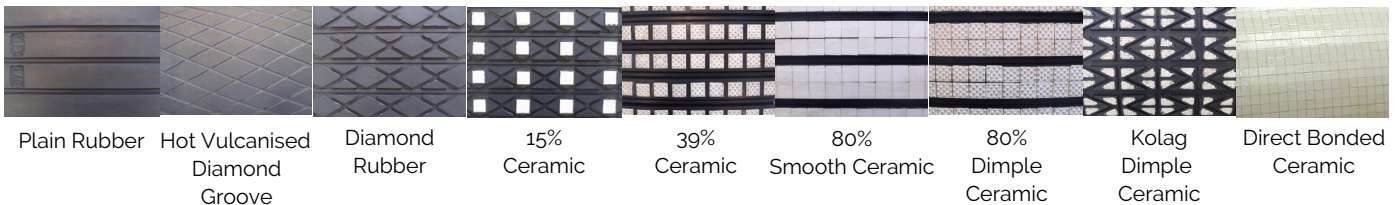
## Pulley Lagging

DYNA Engineering has a wide range of highly wear-resistant lagging products meeting Australian Standards.

### Our pulley lagging options include:

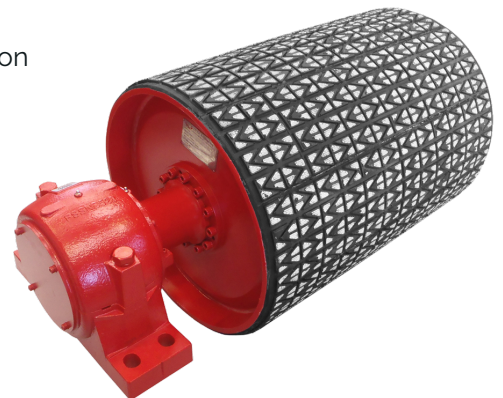
- Hot vulcanised rubber lagging
- Cold bonded rubber lagging
- Cold bonded rubber-backed ceramic lagging
- Direct bonded ceramic lagging
- Alternate lagging thicknesses available
- A variety of groove patterns, profiles, and pitches available
- Additional rubber grades/properties available

### Common lagging types:



### Lagging options:

- Additional rubber grades or properties available to suit any application
- Alternative lagging thicknesses available from 8mm to 16mm
- A variety of groove patterns, profiles and pitches available
  - eg. herringbone, axial groove, diamond, plain and more
- Cold bonded rubber lagging or cold bonded rubber backed ceramic lagging options include: Flexco, Kolag, and other brands
- Direct bonded ceramic lagging available in smooth or dimpled



## Pulley Reconditioning

DYNA Engineering offers reconditioning services to extend the life of an old pulley. Reconditioning is recommended when the pulley shell and shaft are in good condition, but the bearings, locking assembly or lagging may be worn.

### Our pulley reconditioning services include:

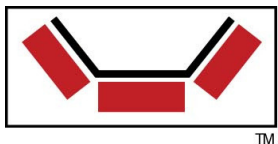
- Complete pulley inspection including shell, shaft, welds, bearing and housings, seal components
- Crack testing of pulley shell/shaft
- Bearing and locking assembly replacement
- Shell re-lagging
- External finishes and more.





# Pulleys

For a quote or further information, contact us at [dyna@dynaeng.com.au](mailto:dyna@dynaeng.com.au)



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