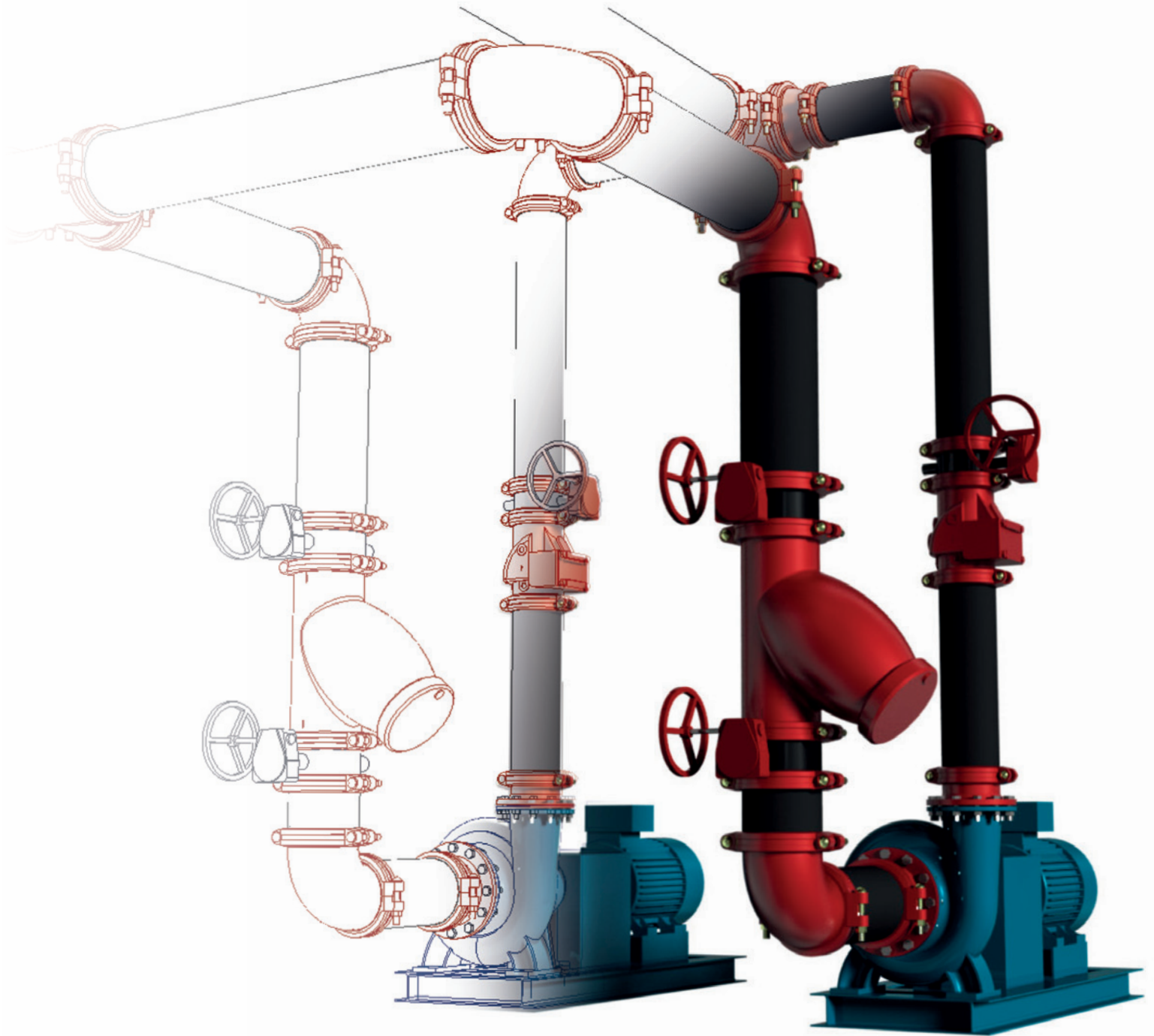




**Grinnell**

**Making Connections...  
Building Solutions**



**Mechanical  
Grooved Piping  
Systems**

***tyco***

# GRINNELL

## Mechanical Systems



### Why Use Grooved Mechanical Products?

GRINNELL Mechanical Products, a premier brand of Tyco, represents a complete suite of mechanical products for HVAC. With more than 160 years of experience, GRINNELL Mechanical Products has a reputation for offering solutions that allow contractors, engineers, and distributors faster, more effective tools for joining pipe over traditional methods. GRINNELL Mechanical Products is synonymous with great service,

offering professional engineering and planning support services. In addition, its knowledgeable sales support and timely technical services ensure quality customer care to all global customers. Best of all, GRINNELL Mechanical Products are backed by a 10-year Limited Warranty – the industry's longest and strongest.

**GRINNELL Mechanical Products has a solution for your mechanical needs.**

# Why do Professionals Turn to GRINNELL?

## Universal Rigid Coupling

// The GRINNELL Rigid Coupling has a universal tongue-and-groove design, which grips the entire circumference of the pipe grooves and ensures trouble free installation.

## The Best Warranty in the Industry

// GRINNELL Mechanical Products offers a unique, industry leading 10-year Limited Warranty on most of its products.

## GRINNELL Mechanical Services

// The GRINNELL Mechanical Services group works seamlessly with engineers and contractors to create the most cost-effective and time-efficient piping solutions from design to build.

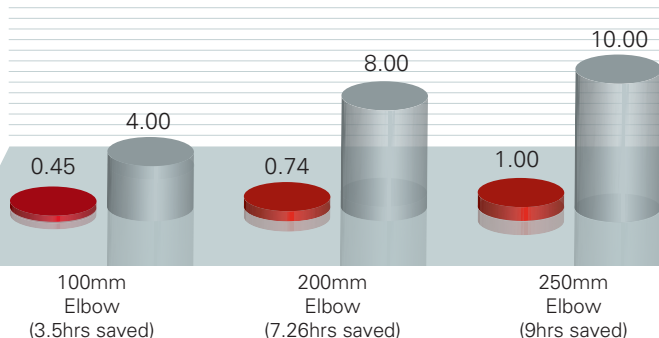
// Our experts specialize in CAD blocks, cost comparisons, thermal movement analysis and BIM.

# Luckins Mechanical Labour Hours

## Labour Hours Comparison

Using Luckins Mechanical labour calculations, the chart shows a comparison of the time required to install a single grooved 90 degree fitting to the time required to install a single weld 90 degree fitting. Installing GRINNELL Products provides savings, reducing installation time and cutting labour costs.

Installation Time Comparison  
Grooved versus Weld



● Grooved  
● Weld Fittings

# GRINNELL Product Benefits

## Couplings



### Quick Installation Couplings

GRINNELL Rapid Installation Pivot-bolt (GRIP) Couplings provide a rigid joint in one tenth the time of traditional joining methods and half the time of standard grooved couplings without losing the ability to properly inspect the gasket seal.



### Mechanical Outlet Couplings

GRINNELL Mechanical Outlet Couplings combine the features of a pipe-joining coupling and an integral reducing outlet. This design eliminates the need for mechanical or reducing tees and associated couplings.

## Fittings & Adaptors

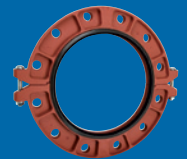
### Cast and Fabricated Fittings

GRINNELL Ductile Iron and Fabricated Steel Grooved Fittings provide an economical and efficient method of changing direction, adding an outlet, and reducing or capping piping systems.



### Flange Adaptors

GRINNELL Flange Adaptors allow a direct transition from flanged connections to GRINNELL Grooved Components.



## Valves

### Balancing, Butterfly, and Triple Duty Valves

GRINNELL Valves are designed to achieve the following functions: throttling, measuring pressure and temperature, positive shutoff, flow control, and draining and filling.



## Accessories

### Suction Diffusers and Tee and "Y" Strainers

GRINNELL Accessories remove foreign particles, provide proper flow conditions to the pump, minimize water hammer caused by flow reversal, and keep debris from damaging piping equipment.



## Professionals choose GRINNELL

**“Exceptional service, we will definitely use GRINNELL Mechanical Products again in the future.”**

Richard Plain, Project Manager for Denne Mechanical Ltd.

# Augustine House Canterbury, UK.

Contractor Denne Mechanical Ltd. partnered with GRINNELL Mechanical Products to develop a unique heating and cooling system for the Augustine House – a new library and office building for the prestigious Canterbury University. The use of a grooved system proved to be economical, efficient and environmentally responsible by eliminating the need to weld pipe and reducing the use of flanged components. It increased the speed of installation, reduced the overall project time and lowered costs.



# Grinnell

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