



Beattys

POWERING GLOBAL
INDUSTRY WITH
**OPTIMAL
PERFORMANCE.**



INDUSTRIAL

BEATTYS END TO END SOLUTION.

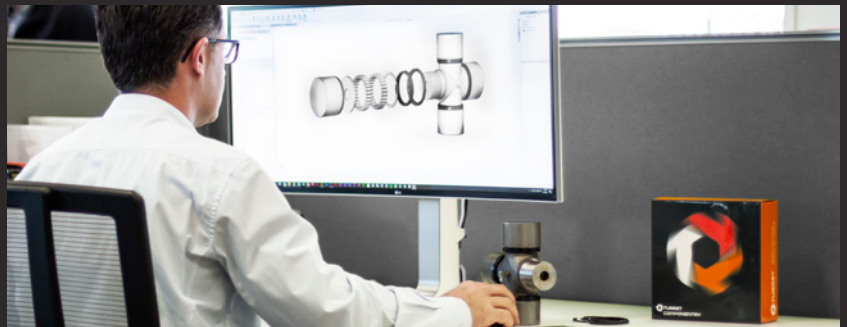
1. ASSESS

Beattys will scope out the project, identifying any critical parameters and challenges that we need to overcome to ensure we deliver a premium product.



2. DESIGN

Our team of technical engineers will then design a custom solution using state of the art CAD systems and technical expertise to ensure that our solution will meet all the clients needs.



3. MANUFACTURE

Throughout our driveshaft manufacturing process, you can be guaranteed the highest level of engineering excellence and commitment to quality.



4. BALANCE

All driveshafts are then balanced in one of our four, multi plane balancing machines. We spot-weld any weights to reduce stress on driveshaft tube. Beattys also offers balancing services for other industrial rotating equipment.



5. REVIEW

Once a driveshaft has been balanced and painted it goes through a series of rigorous inspections and quality control measures to ensure the products we deliver will fit our commitment to premium quality.





“ BEATTYS DESIGN AND MANUFACTURING
TEAM EXCEL THROUGH THEIR SYSTEMATIC
APPROACH COMPLEMENTED BY QUALITY
COMPONENTRY AND WORKMANSHIP. ”



PREMIUM DRIVESHAFT SOLUTIONS.



Sliding spline assemblies have heavy-duty housings and an integral seal system that protects from contamination and wear.

European involute style splines that are larger in diameter with finer tolerances and less clearance result in quieter operation, increased capacity and longer service life.

Rilsan® coated splines reduce axial load and provide electrical isolation between shaft ends.

High grade tubing increasing the resistance to high shock loadings.



NZ | DESIGNED & MANUFACTURED

OUR SERVICES YOU CAN COUNT ON.



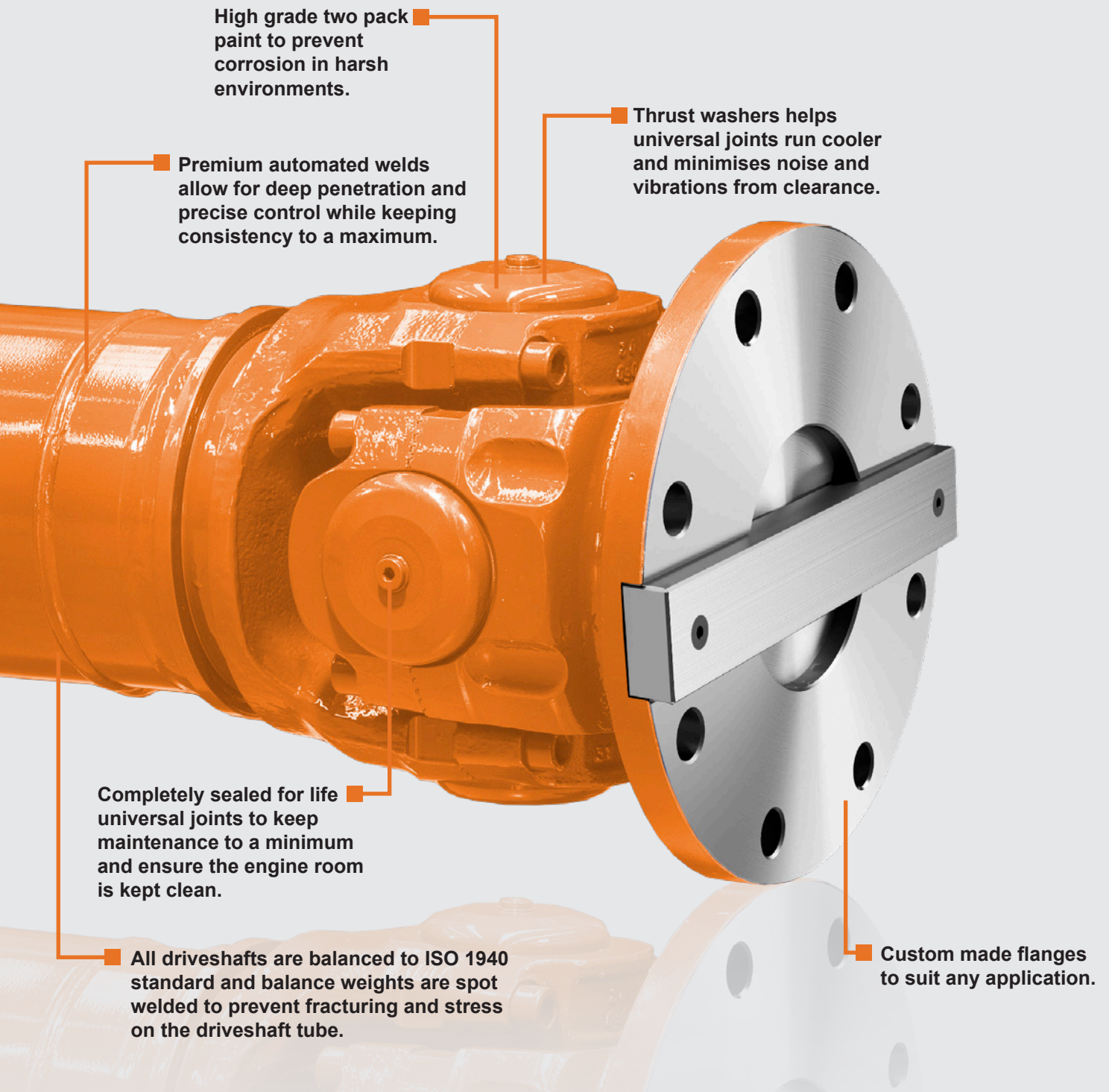
MANUFACTURE.

Throughout our driveshaft manufacturing process, you can be guaranteed the highest level of engineering excellence and commitment to quality.



REPAIR.

Beattys have the skills and componentry to repair all driveshafts. Our large capacity allows us to complete urgent jobs with minimal operational down time.



High grade two pack paint to prevent corrosion in harsh environments.

Premium automated welds allow for deep penetration and precise control while keeping consistency to a maximum.

Thrust washers help universal joints run cooler and minimise noise and vibrations from clearance.

Completely sealed for life universal joints to keep maintenance to a minimum and ensure the engine room is kept clean.

All driveshafts are balanced to ISO 1940 standard and balance weights are spot welded to prevent fracturing and stress on the driveshaft tube.

Custom made flanges to suit any application.



MODIFY.

Beattys can modify all types of driveshafts whether it be shortening, lengthening or changing drive ends. All modifications are designed to meet OEM specification.



MAINTAIN.

With scheduled inspections and routine maintenance our clients have been able to reduce plant downtime and emergency repairs.



BALANCE.

At Beattys we use eight industrial balancing machines to provide accurate readings by carrying out a simultaneous 4-plane balance at speeds of up to 5000 rpm.

SHORT COUPLED SHAFTS.

Sealed or greasable universal joint options.

Greasable splines for easy maintenance and extended life span.

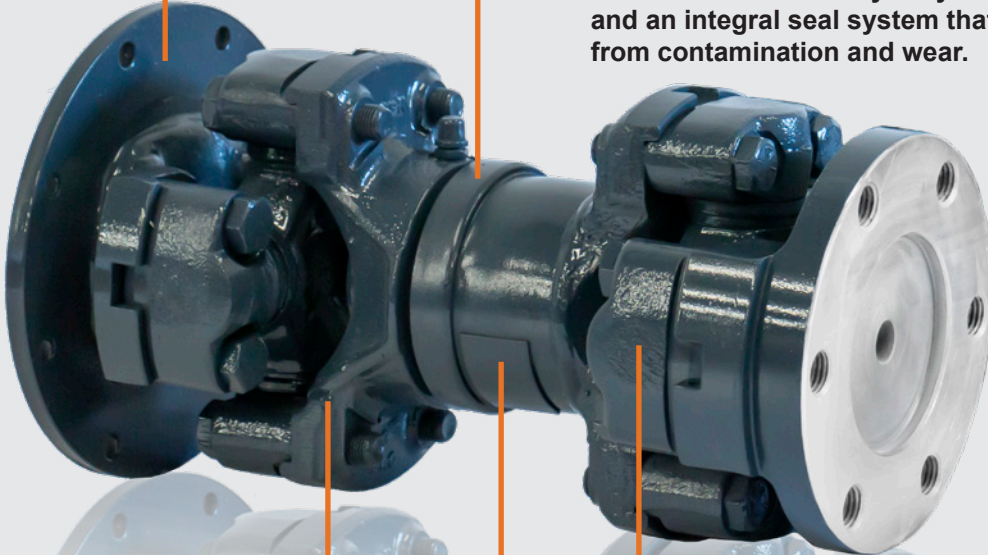


Ideal for small industrial applications like wood planers.

Stocked models for common applications.

Custom designed and manufactured flanges to suit any drive system, gearbox or coupling.

Sliding coated involute spline assemblies have heavy-duty housings and an integral seal system that protects from contamination and wear.



Custom designed yokes to suit specialty high torque and angle applications.

Completely sealed universal joints to keep maintenance to a minimum and ensure the engine room is kept clean.

Balanced to ISO 1940 standard with balance weights spot welded to prevent fracturing and stress on the driveshaft.

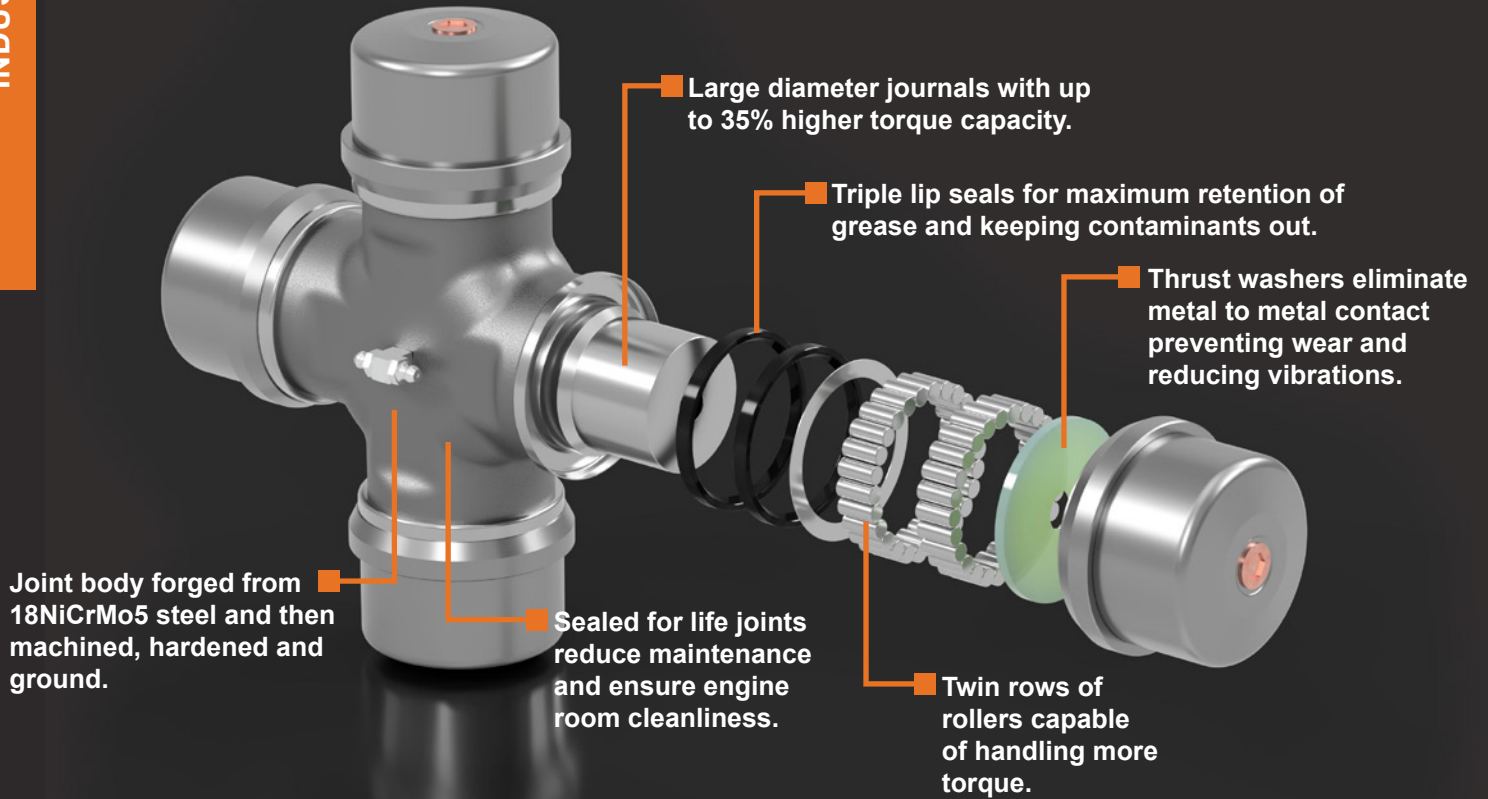
DISTANCES FROM 100MM WITHOUT ANY COMPROMISE IN PERFORMANCE OR DURABILITY.



“ THE THING TO ME THAT SETS BEATTYS APART IS THEIR SERVICE AND QUALITY. THEY ALWAYS GET BACK TO YOUR ENQUIRY PROMPTLY AND CARRY OUT ALL WORK TO AN EXCEPTIONAL STANDARD. ”

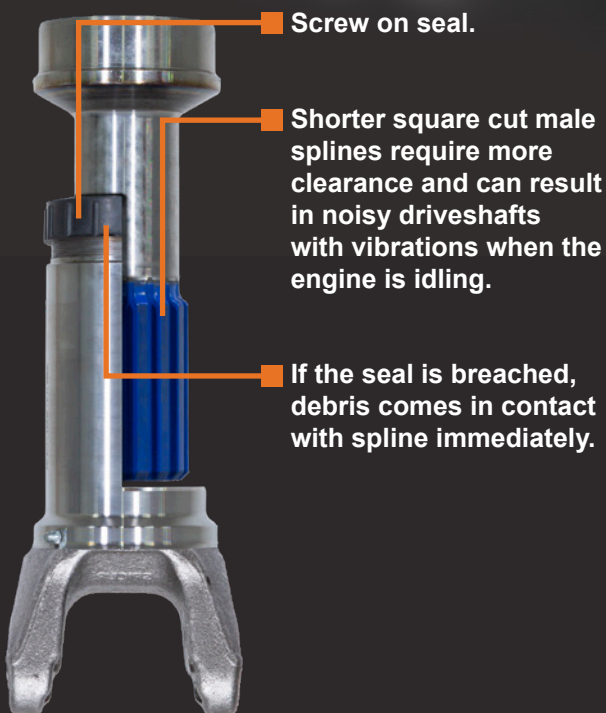


UNIVERSAL JOINTS.

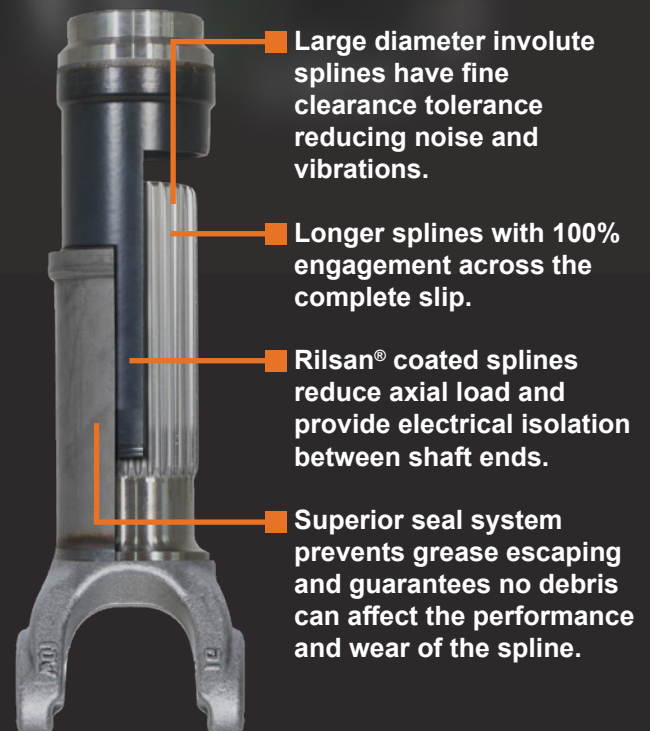


PREMIUM SPLINES.

SAE SPLINE



DIN SPLINE



LAYRUB COUPLINGS.

Different rubber inserts available on some models to perfect the torsional stiffness to any application.

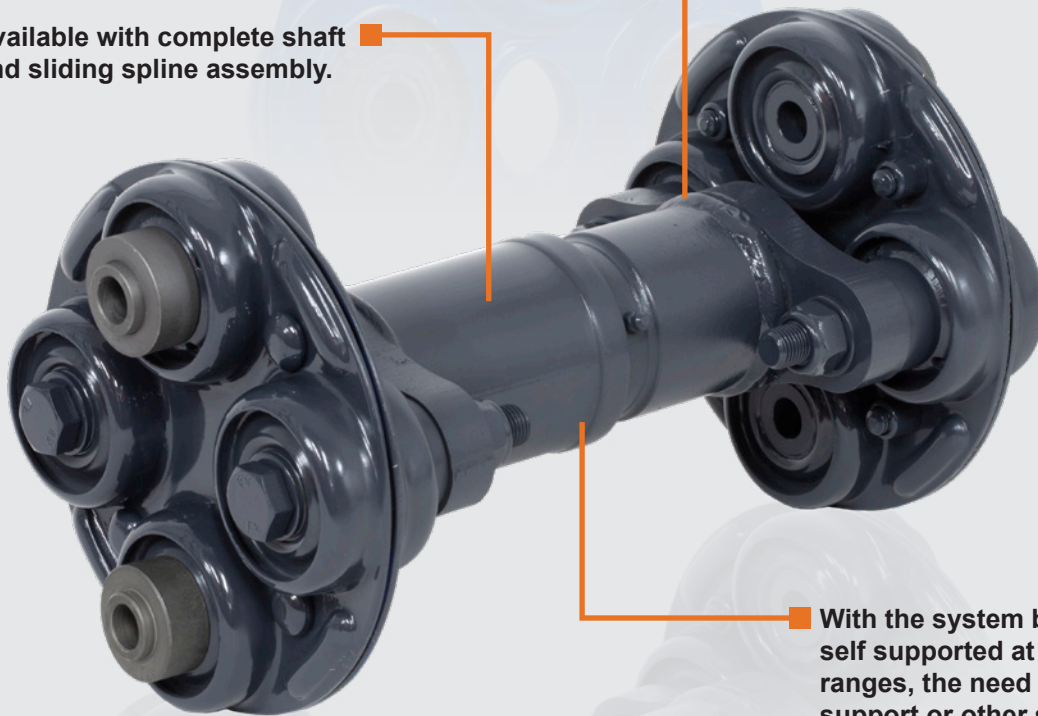


A metal housing and high grade rubber inserts mean we can rate our layrub couplings up to 5,000 rpm for high speed applications.

A robust design with a metal housing extends the service life while ensuring maximum performance.

Rubber inserts are designed to handle initial startup shock load.

Available with complete shaft and sliding spline assembly.



Best suited to low angle applications below 3°.

With the system being fully self supported at all rpm ranges, the need for a centre support or other supports is removed.

PRECISION COUPLINGS.

Over 150 different styles and sizes available.

Double joint options for high angle situations up to 50°.

Models rated from 3.5Nm to 720Nm.

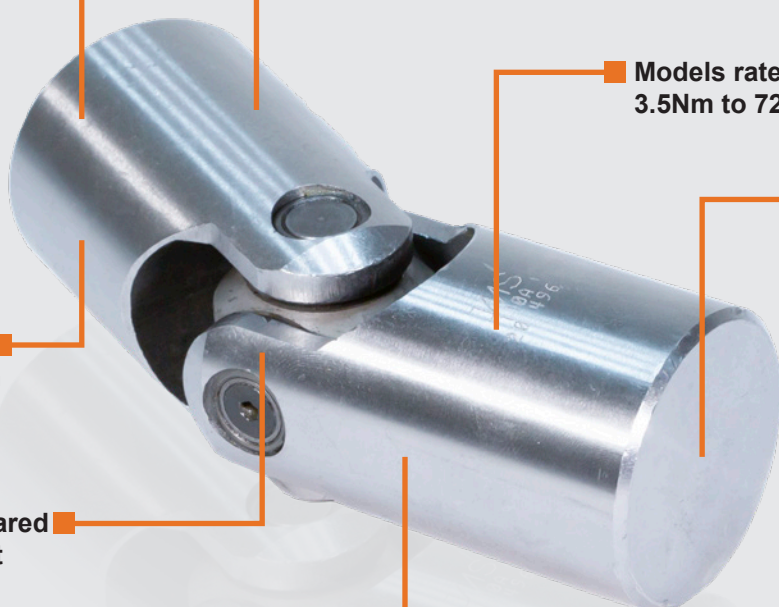
Solid or pre-machined options available.

Tight tolerances reduce wear, noise and results in a longer service life.

Compact design compared to traditional driveshaft alternatives.

Available with precision sliding splines for applications with variable lengths.

Rubber boot kits available for protection from abrasive materials.



3 DIFFERENT STYLES.



Hardened Bush.

With joint extremely tight tolerances and a proven hardening process, these joints are built to perform 24/7 giving the operator peace of mind.



Needle Roller.

By adding needle rollers to the joints, the couplings expected life can be increased by up to 500% in demanding applications.



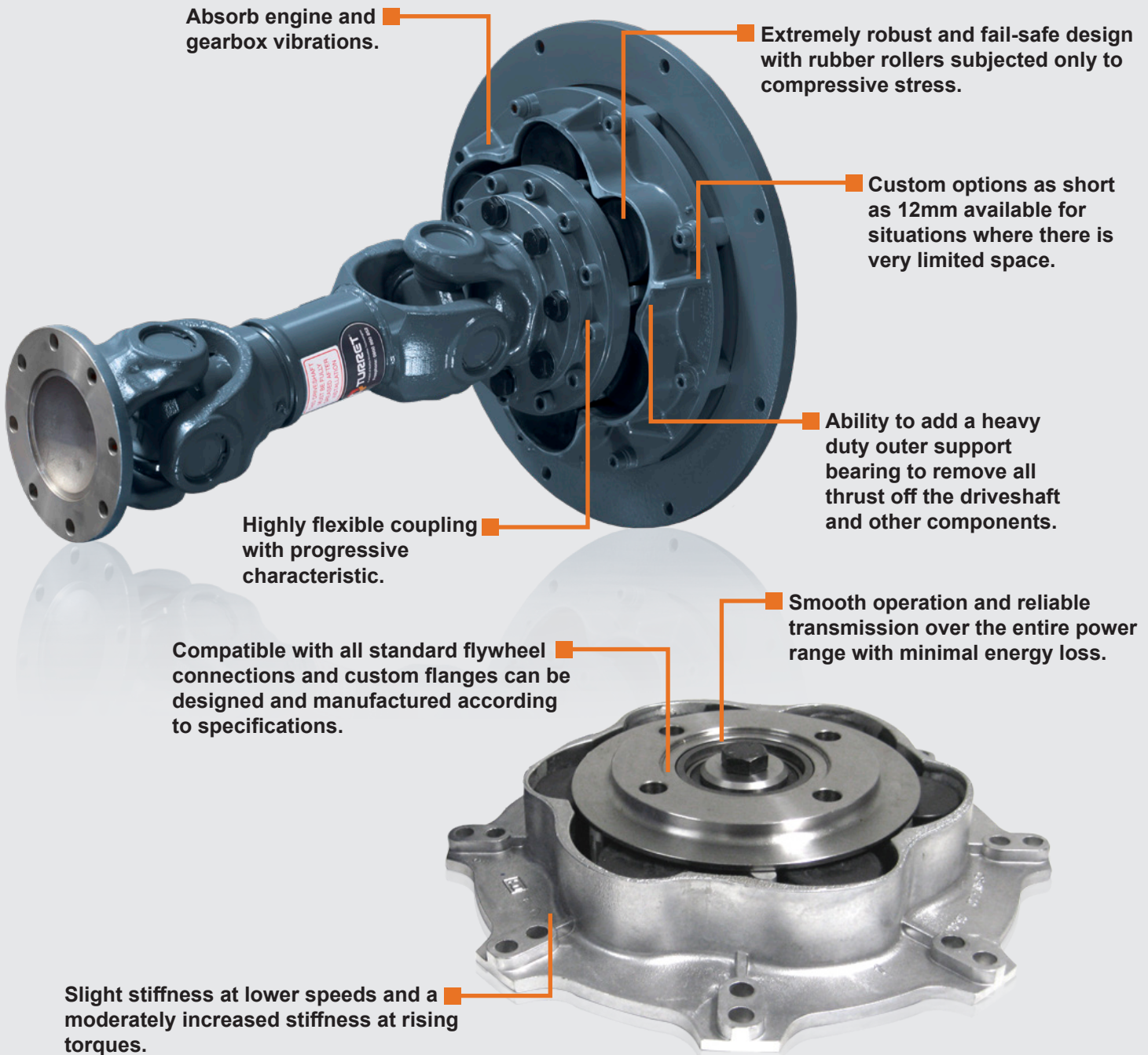
Stainless Steel.

Extended the life of the driveline in corrosive applications by opting for a full stainless steel precision coupling.

TORSIONAL COUPLINGS.

ABSORB SHOCK LOAD AND DAMPEN TORSIONAL VIBRATIONS.

1. Low torsional stiffness providing low stiffness at low torque which shifts the torsional resonance below idle speed.
2. Extremely robust and fail-safe design with rubber rollers subjected only to compressive stress.
3. Compact design and build makes for easy handling, installation and servicing.
4. Allows for softer engine mounts which further reduces vibrations and noise
5. Smooth operation and reliable transmission over the entire power range.
6. Fail-safe design with rubber rollers yields smooth operation and reliable transmission.





Beattys



Optimal Performance
Whatever the Challenge

0800 800 852

beattys.com

enquiries@beattys.com

