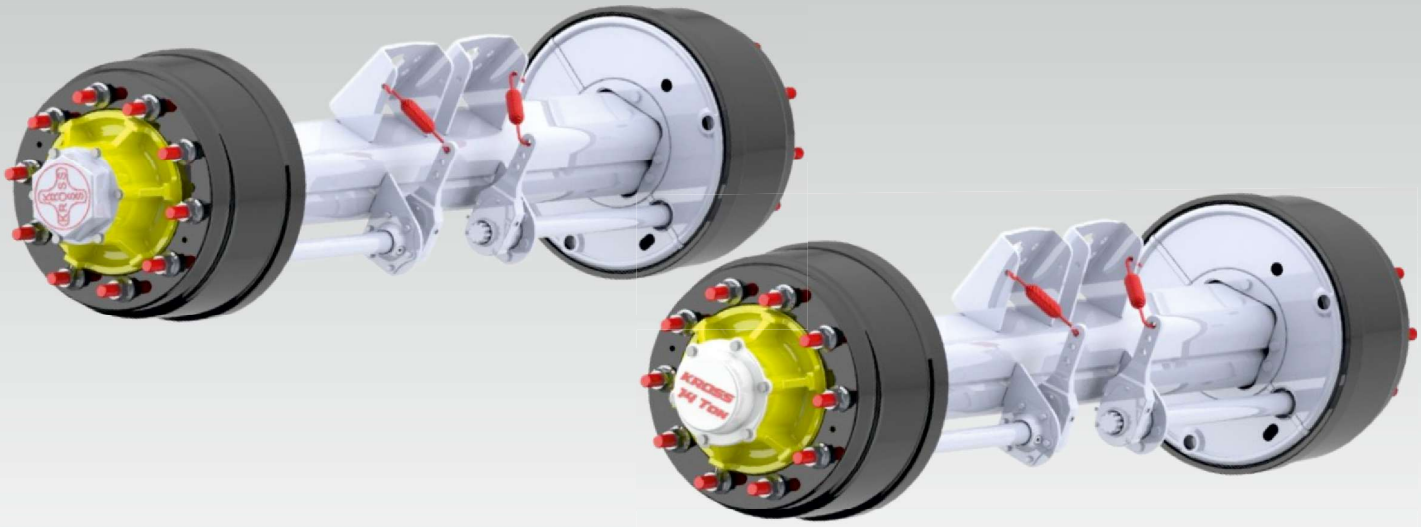
TRAILER AXLE



Axle Capacity	Beam Size	Beam Manufacturing	Bearing Size Inboard	Bearing Size Outboard	Wheel Stud Size	Brake Size	Track Length
12 T	150 x 150 Sq 14mm thk	Welded	90 mm ID	65 mm ID	M22x105	420 x 180 mm	1850 / 1950
13 T	150 x 150 Sq 14mm thk	Welded	88.9 mm ID	88.9 mm ID	M22x105	420 x 180 mm	1850 / 1950
14 T	150 x 150 Sq 14mm thk	Seamless	88.9 mm ID	88.9 mm ID	M22x105	420 x 180 mm	1850 / 1950
15 T	150 x 150 Sq 16mm thk	Seamless	88.9 mm ID	88.9 mm ID	M22x105	420 x 180 mm	1850 / 1950
16 T	150 x 150 Sq 22mm thk	Welded	88.9 mm ID	88.9 mm ID	M24x105	420 x 180 mm	1850 / 1950
18 T	150 x 150 Sq 22mm thk	Welded	100 mm ID	88.9 mm ID	M24x105	420 x 180 mm	1850 / 1950
20 T	150 x 150 Sq 22mm thk	Welded	100 mm ID	88.9 mm ID	M24x105	420 x 220 mm	1850 / 1950

BUILT TO LAST

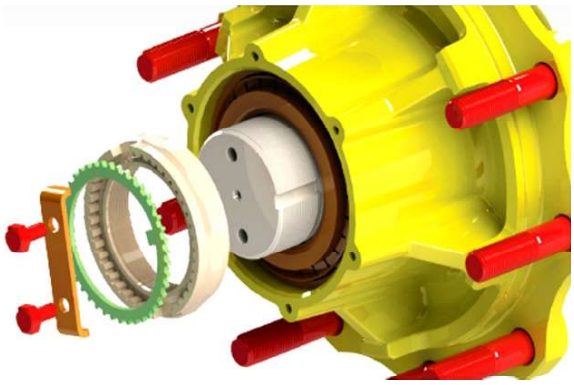
KROSS axles are designed and built to withstand the challenging Indian road and loading conditions. Our designs go through extensive simulation testing and are physically tested at our in-house test facility:

- Heavy Duty Tapered roller bearing for long service life
- Hardened and Ground Spindles
- Lithium Based high performance grease
- Seamless beam with 650 Mpa high tensile material for 14T and 15T axles





BEARING PRELOAD ADJUSTMENT (BPA) SYSTEM



KROSS axles use a unique Bearing Preload Adjustment (BPA) system on its wheel-end. Other axle manufacturers use conventional dial measurements or torque based measurements to tighten the wheel nut, reducing tire life and increasing maintenance cost of the axle. Our Unique BPA system has the following advantages:

- Improves Tire Life
- Increases bearing life
- Increases Wheel-Seal life
- Long Hub Greasing Life



THREE-PIECE WHEEL- SEAL

Other axle manufacturers use radial seals that have a short service life and are prone to cuts and leakages. Our Three-piece Wheel- seal construction ensures a long Hub greasing life and that bearings will last longer giving our customers a low axle maintenance cost.

SUPERIOR QUALITY

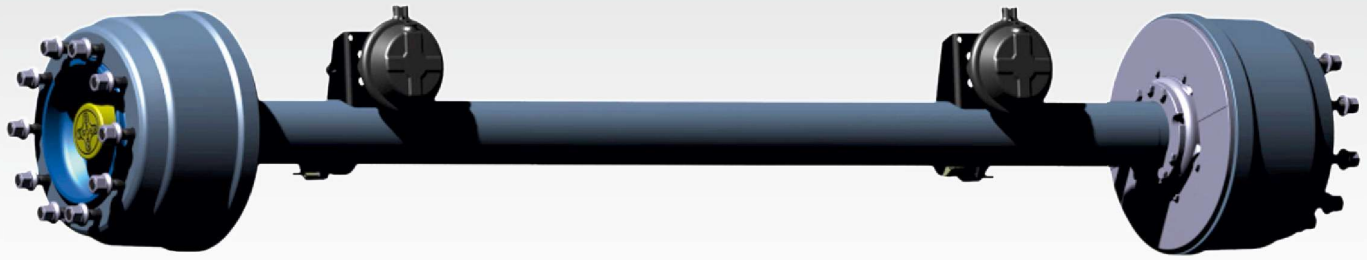
For over 25 years KROSS has been known is the insdustry for maintaining the highest quality and manufacturing standards.We have taken our rich experience of manufacturing and are producing ALL MAJOR components of the axle, giving us complete control over quality.

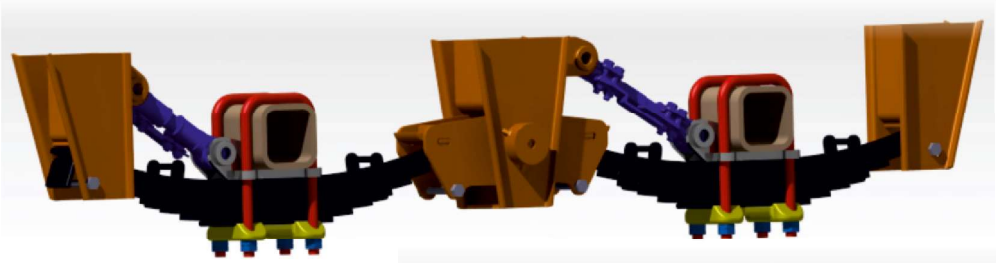
- High pressure moulding line casting facility
- Upto 2500T mechanical press for forging
- Inhouse sheet metal processing plant

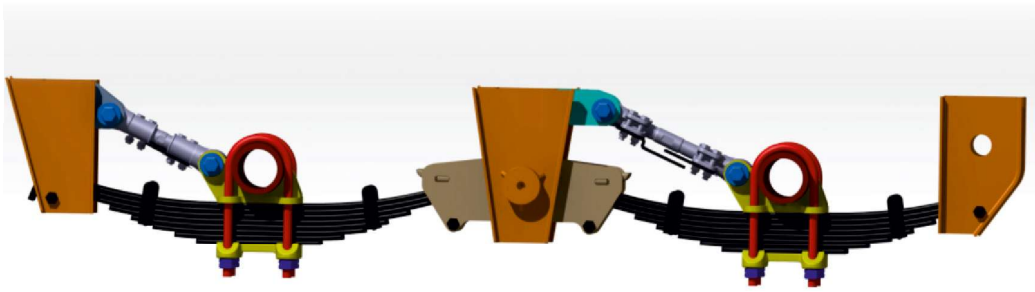




BIKE CARRIER &
CAR CARRIER







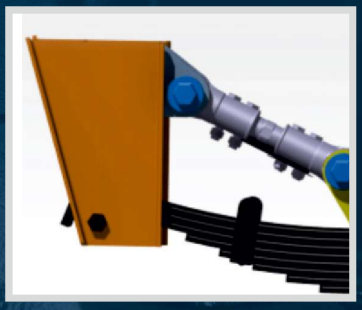
Axle Model	Beam Size	Beam Manufacturing	Bearing Size Inboard	Bearing Size Outboard	Wheel Stud Size	Brake Size	Track Length
Car Carrier	127 mm OD 19mm thk	Seamless	90 mm ID	65 mm ID	M22x105	420 x 180 mm	2400 mm
Bike Carrier	150 x 150 Sq 14mm thk	Welded	88.9 mm ID	88.9 mm ID	M22x105	420 x 180 mm	2050 mm

Suspension Model	Hanger Thickness	Equalizer Pin Size	Leaf Spring	Torque Arm Pins	Ride Height
Car & Bike Carrier	6 / 8 mm	53 mm OD	90 x 13 mm 9 Leaf (2 Main Leaf)	28 mm OD	210 mm

Key Features

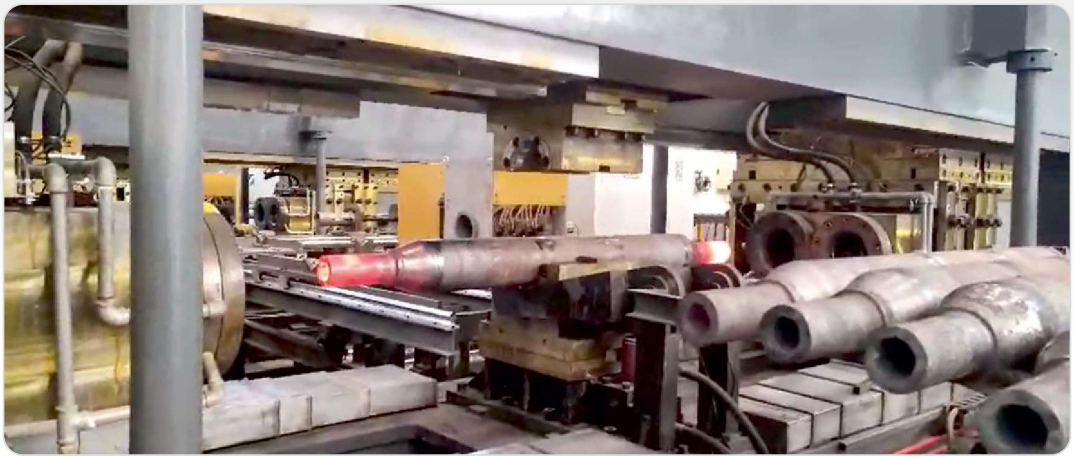
- 90mm wide leaf spring
- 210mm ride height
- 20Mn2 grade seamless tube axle
- Axle available with auto-slack adjuster





Single Piece Axle Beam





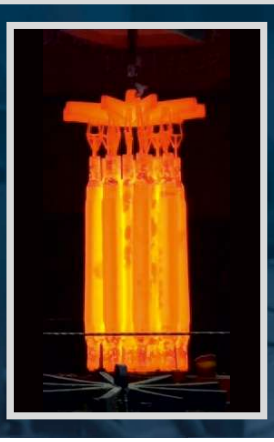
INDIA'S FIRST AND ONLY EXTRUSION MANUFACTURING PLANT FOR AXLES

STRONGER



- Single pc axle beams are stronger than welded design
- Axle beam is heat treated to 260 BHN increasing durability
- Tensile strength greater than 650 Mpa
- Life time warranty on axle beam

IMPROVE TIRE LIFE



- Stiffer than welded axles and less deflection
- Better straightness of axle
- Increased durability ensures axle maintains it shape throughout its life time