Mining & Mineral Processing Oil Sands Steel Aluminum Cement Rail Oil & Gas Power Ground Engaging & Heavy Equipment Crushing Smelters

Mining & Mineral Processing

Edmonton Office

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Mining & Mineral Processing Oil Sands Steel Aluminum Cement Rail Oil & Gas Power



Areas of

Interest

- About Us
- Design, Engineering & Testing
- General Terms
 & Conditions of Sale
- Contact Us

View our extensive product information.

TIME OUT MODE

We provide
worldwide
innovative
engineering,
custom solutions
and
superior service
and support.

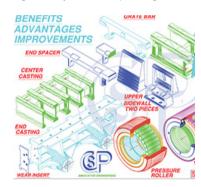
About Us

Cast Steel Products LP (CSP) is a leading worldwide supplier to OEM and aftermarket of state of the art and innovatively engineered **cast**, **forged** and fabricated wear, abrasion and heat resistant products. We have a successful track record of supplying global **mining and mineral processing**, **oil sands**, **oil & gas**, **steel**, **aluminum**, **cement**, **power** and **railway** industries, **ground engaging & heavy equipment**, **smelting** and **crushing** application sectors. CSP has sales, engineering and fabrication facilities in Edmonton and Montreal, Canada, St. Petersburg, United States, Beijing, China and Brazil and South Africa. Our head office is in Edmonton.





For over 25 years our worldwide customers: designers, engineers, project managers, purchasing, production and maintenance departments and contractors have relied on CSP to deliver innovative engineered, market leading, quality cast, forged and fabricated wear, abrasion and heat resistant products with best in class performance and proven industry leading high wear, extended service life, ease of maintenance and significantly reduced operating and maintenance costs.





Our experienced sales and engineering departments work closely with the end user to determine exactly what is required in order to supply an innovative engineered custom solution manufactured to the highest industry standards including ISO 9000, ASTM, AISI, DIN, JIS, SAE or proprietary standards. In addition CSP cast, forged and fabricated products are designed to provide customers with fast lead times, high levels of safety, reliability, maintainability and to minimize downtime and withstand the harshest wear environments.

CSP is committed to meeting and exceeding our customer's expectations with excellence in supplying proven reliable quality custom cast, forged and fabricated wear, abrasion and heat resistant products and value pleasing service. We continually invest in research and development to take full advantage of industry advancements in order to supply market leading and innovative new products. In doing so; we shall adhere to the highest standards of integrity and commitment to our customers, employees and communities.

Cast Steel Products LP is committed to supplying innovatively engineered and market leading cast, forged and fabricated wear, abrasion and heat resistant products and services which will enhance the value of your project!





Please explore our web site to review our extensive product information and product and project photos and contact us via phone or email to discuss your custom requirements and to obtain pricing and delivery information for our extensive CSP product range.





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product information.

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We provide worldwide innovative engineering, custom solutions superior service and support.

Design, Engineering & Mesting



Proven Reliability For over 25 years our worldwide customers: engineers, project managers, production and maintenance departments and

17,683,216.0

contractors have relied on CSP to deliver proven quality cast, forged and fabricated metal products with innovative engineering custom solutions for wear, replacement and abrasion and heat resistant requirements. **Innovative**

Customized **Engineering** Our experienced sales and engineering departments utilizing

Solid Works, FEA, Solid Modeling, Rapid Prototyping and Solidification analysis) work closely with the end user to determine exactly what is required in order to supply an innovative engineered custom solution. CSP uses SolidWorks 3D modeling software to design and simulate all of our products. This software allows us to visualize our products before they are built, target any potential problems, and relay accurate information to our foundries and machine shops. uality

CSP supplied products provide our customers with high levels of safety, reliability, maintainability and to

minimize downtime and withstand the harshest wear environments. Our products meet or exceed the highest industry standards including ISO 9000, ASTM, AISI, DIN, JIS, SAE or proprietary standards, and are subject to stringent Quality Assurance programs to ensure consistent quality. CSP products meet or exceed:

Carbon Steel ASTM A-27

- Mild Steel ASTM A-36
- Low Alloy Steel ASTM A-148
- Gray Iron ASTM A-319

14.0

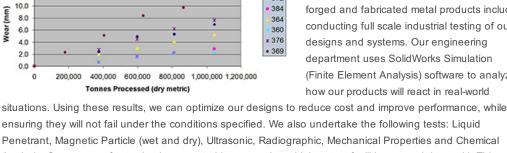
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- Ductile Iron ASTM A-536
- Manganese Steel ASTM A-128

Stainless Steel ASTM A-297

White Iron ASTM A-532

Inspection and Testing to Provide Reliable and Predictable Performance Our commitment to meeting and exceeding



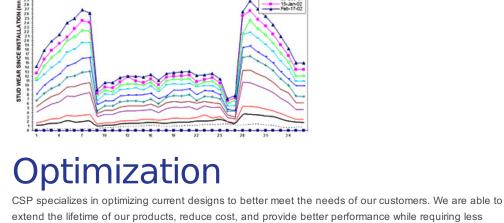
forged and fabricated metal products includes conducting full scale industrial testing of our designs and systems. Our engineering department uses SolidWorks Simulation (Finite Element Analysis) software to analyze how our products will react in real-world

our customer's expectations with excellence

in supplying reliable quality custom cast,

Analysis. Our program for testing is supported by research and laboratory facilities around the world. This testing provides a wealth of operating data to ensure reliable and predictable industry leading performance. CSP also issues comprehensive engineering standards for all critical components and assembly including thorough review of all dimensional and tolerance requirements. WEAR PROFILE - FIXED ROLL (North

• 372



maintenance and down time. Some of the ways we achieve these goals are by reducing weight, choosing better-suited materials, optimizing designs, and using our knowledge of in-field usage to find better ways of doing things.

Development

CSP is committed to meeting and exceeding our customer's expectations with excellence in supplying reliable quality custom cast, forged and fabricated metal wear, replacement and abrasion and heat resistant products and value pleasing service. We

"There's a way to do it better – find it." – Thomas Edison **Product**

continually invest in research and development to take full advantage of industry advancements in order to supply market leading and innovative new products. Forging Capabilities & Machine Shops

CSP utilizes an extensive network of forging and machine shop facilities to provide the following capabilities and performance: SIZE 0.025 kilograms to 120,000 kilograms (120 MT)

Can range from one each, to several thousand. Open and closed die forging. **MOLDING**

Shell, Pit-Molding (for large castings), Auto Molding, Investment Casting, Green Sand, No Bake

ALLOYS

your project!

LOT SIZE

Our castings using Electric Arc or Induction Furnace sand Vacuum Degassing (if required) are manufactured to ASTM, AISI, DIN, JIS, SAE or proprietary standards:

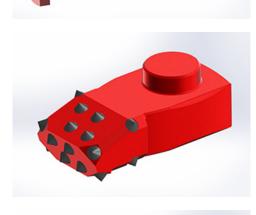
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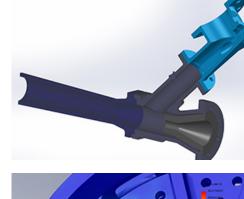
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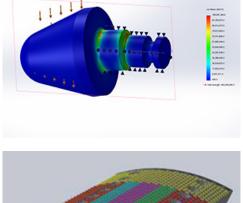
CSP NON FERROUS ALLOYS

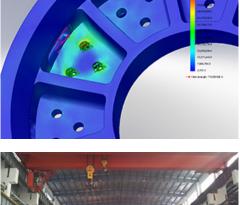
CSP FERROUS ALLOYS

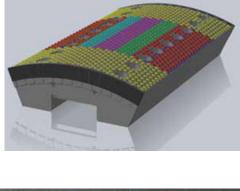
Cast Steel Products LP is committed to supplying innovative engineered cast, forged and fabricated metal wear, replacement and abrasion and heat resistant products and services which will enhance the value of













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Areas of

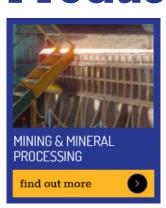
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We provide worldwide innovative engineering, custom solutions and superior service and support.

Products







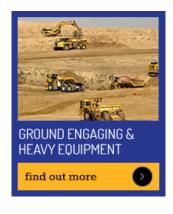


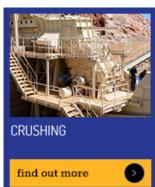














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FIND OUT MORE

CSP Mining & Mineral Processing Products



Cast Steel Products LP (CSP) for over 25 years has been a leading worldwide supplier to OEM and aftermarket of high quality cast, forged and fabricated metal wear, replacement and abrasion and heat resistant products to the Mining and Mineral Processing industries.

Our CSP high pressure grinding rolls (HPGR's) have many successful working applications in mining and mineral processing plants worldwide including Iron Ore, Diamond, Molybdenum, Gold and Copper. We have supplied many thousands of Pallet Cars used in the processing of iron ore pellets for blast furnace use and Sinter Cars used in sintering as well as parts and components to support our Pallet and Sinter cars.

CSP products for Mining and Mineral Processing are innovatively engineered using unique state of-the-art wear technology to provide high wear and extended lifetime in operating conditions of high thermal loads, high temperatures and the subsequent cooling from ambient air, as well as high wear abrasion environments. Our worldwide customers: designers, engineers, project managers, production and maintenance departments and contractors have relied on CSP to deliver proven quality cast, forged and fabricated metal products with innovative engineering solutions. Our experienced sales and engineering departments work closely with the end user to determine exactly what is required in order to supply an innovative engineered custom solution manufactured to the highest industry standards including ISO 9000, ASTM, AISI, DIN, JIS, SAE or proprietary standards. In addition CSP cast, forged and fabricated metal products are designed to provide customers with fast lead times, high levels of safety, reliability, maintainability and to minimize downtime and withstand the harshest wear environments.

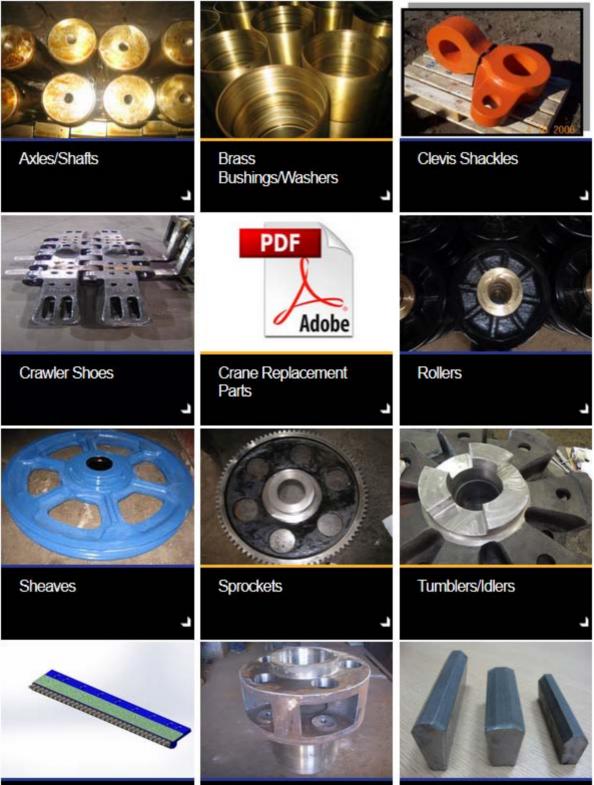
CSP issues comprehensive engineering standards for all critical components of assemblies and individual components. Once they are reviewed thoroughly with the client, assembly and component drawings are done electronically where all tolerances and dimensions are reviewed and confirmed. Strict QA and QC programs are in place at many levels to insure quality.



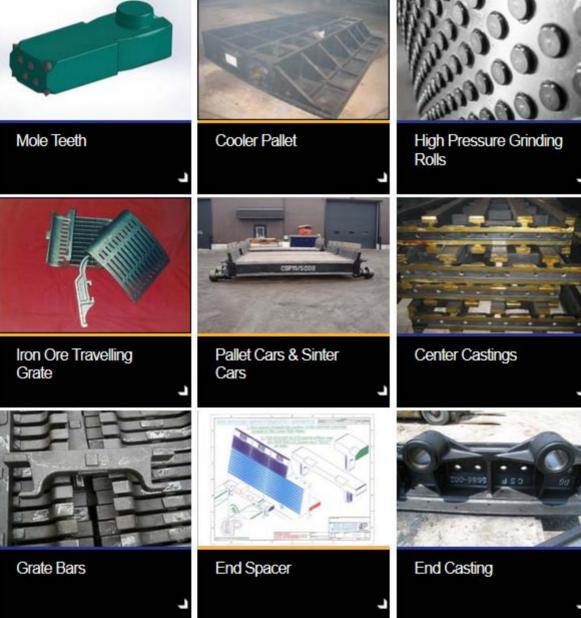


Contact us via phone or email to discuss your custom product requirements and to obtain pricing and delivery information for our extensive CSP Mining and Mineral Processing product range including:





Grouser ice lugs **Grader Boards** Planetary Drive



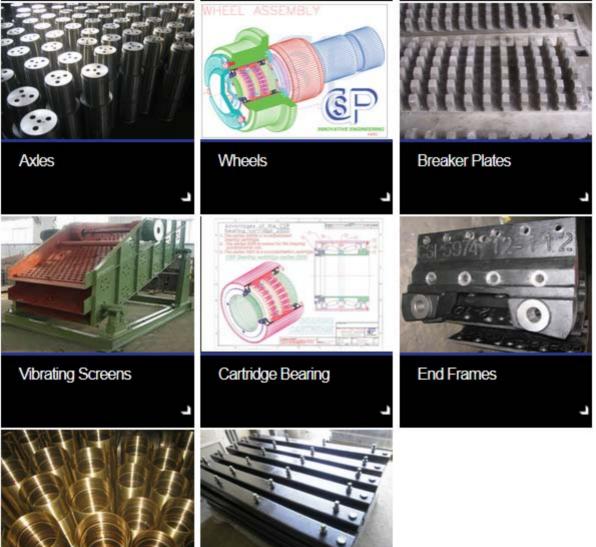


Upper & Lower

Sidewalls

Pressure Roll

Wear Inserts



Seal Bars

Bushings