

MINING

OTR produces and supplies standard and custom rims, wheels and components for surface mining applications, ranging in diameter from 25" to 63" in 3-, 5- and 7-piece configurations, as well as underground mining wheels from 15" to 24", in 3- and 4-piece configurations.

CONFIGURATION	TYPE	RIM SIZES	LEGEND FOR WHEEL TYPE
SURFACE MINING APPLICATIONS			
25" 3-Piece	T, TD	25X10.00/1.5, 25X12/00/1.3, 25X14.00,1.5, 25X17.00/1.7	T: Standard rim assembly with valve hole, general-duty. TD: Standard demountable rim with vale hole, for hub interface.
25" 3-Piece	HD	25X19.50/2.5, 25 X 22.00/3.0, 25X25.00/3,5	HD: Heavy duty design (see notes).
25" 5-Piece	STG, STN	25X11.25/2.0, 25X13.00/2.5, 25X15.00/3.0	STG: Standard rim assembly; STN: Standard rim assembly, with notch.
25" 5-Piece	HTG, HTN, HTM	25X17/00/2.0, 25X19.50/2.5, 25X22.00/3.0, 25X25.00/3.5	HTG: Heavy duty rim assembly, no driver pocket; HTN: Heavy duty rim assembly, do driver pocket, with notch; HTM: Heavy duty rim assembly, with driver pocket system.
29" 5-Piece	HTHG, HTHM	29X17.00/3.5, 29X22.00/3.0, 29X24.00/3.0, 29X24.00/3,5, 29.00X25.00/3.5	HTHG: Heavy duty rim assembly, no driver pocket. HTHM: Heavy duty rim, with driver pocket.
33"-45" 5-Piece	RTEL, RHTHM	33.00X22.00/4.0, 33X22.00/4.0, 33X28.00/3.5, 33X28.00/4.0, 33X32.00/4.5, 35X27.00/3.5, 35X31.00/4.0, 39X28.00/4.0, 39X32.00/4.0, 39X32.00/4.5, 39X32.00/4.5, 45X36.00/4.5	RTEL: Standard "R" style rim, with driver pocket. RHTHM: Heavy duty "R" style rime, with driver pocket.
33"-49" 5-Piece	RW	33X13.00/2.5, 35X15.00/3.0, 35X17.00/3.5, 49X17/00/3.5, 49X19.50/4.0	RW: Standard "RW" style rim, with reinforced back, bead seat and lip for easy demounting.
35"-49" 5-Piece	MRW	35X15.00/3.0, 35.00X17.00/3.5, 49X17.00/3.5, 49X19.50/4.0, 49X19.50/4.0	MRW: Standard "MRW" style rim with machined gutter and "W" style lock ring.
51"-57" 5-Piece	STD	51X22.00/4.5, 51X24.00/5.0, 51X26.00/5.0, 51X32.00/4.5, 51X40.00/4.5, 57X27.00/6.0, 57X29.00/6.0	Standard duty rim assembly.
51"-57" 5-Piece	HD	51X22.00/4.5, 51X24.00/5.0, 51X26.00/5.0, 51X32.00/4.5, 51X40.00/4.5, 57X27.00/6.0, 57X29.00/6.0	Heavy duty rim assembly (see notes).
63" 5-Piece	STD	63X36.00/5.0	STD: Standard duty rim assembly.
63" 5-Piece	HD	63X36.00/5.0, 63X41.00/5.0, 63X44.00/5.0	HD: Heavy duty rim assembly.
63" 5-Piece	HDT	63X36.00/5.0, 63X41.00/5.0, 63X44.00/5.0	HDT: Heavy duty rim assembly, tapered.
51"-63" 5-, 6-, and 7-Piece	TLS HD, STD	51X22.00/4.5, 51X24.00/5.0, 51X26.00/5.0, 51X40.00/4.5, 57X27.00/6.0, 57X29.00/6.0, 57X32.00/5.0, 57X32.00/6.5, 57X34.00/5.0, 57X44.00/5.0, 57X47.00/6.0, 57X52.00/5.0, 57X60.00/6.0, 63X36.00/5.0, 63X41.00/5.0, 63X44.00/5.0	TLS HD: Tapered locking system for heavy-duty wheels, with a double-gutter (DG) design for 7-piece assemblies (for easy demounting and quick changeover), and 6-piece units also featuring an integrated lock ring. STD: Standard rim assembly.
UNDERGROUND MINING APPLICATIONS			
15"-24" 4-Piece	HD	15X11, 20X8.50, 20X11.00, 24X11.00	HD: Heavy duty rim assembly (see notes).

MINING RIM & COMPONENT HIGHLIGHTS

STANDARD OTR WHEELS

- Designs and sizes compliant with industry standards; compatible as replacements for all wheel brands used in market.
- Full penetration welds, with 100% phased array ultrasonic (PA) inspection to assure weld integrity and long-life.
- OTR wheels produced in ISO 9001 registered facilities.



HEAVY-DUTY WHEELS

- Fully machined lock ring grooves for precise fitment and stress relief.
- Fully machined O-ring grooves for optimal sealing and air pressure retention.
- Heavy-duty back sections for extreme loads and duty cycles.
- Notched rim bases, outdoor driver pocket options available.
- Special alloy steel option for wheels used in high-pressure applications. Consult with your OTR salesperson for more information.
- Valve hole size/placement options for select rim bases.

LARGER DIAMETER WHEELS (51"-63"):

- HSLA grade steel used for critical components
- Seamless forged gutters and fully machined sections.
- Integrated bead seat-Sur-Loc design-to prevent inflation when using incorrect mounting ring.

6- AND 7-PIECE QUICK-CHANGE WHEELS

- Designs enable demount and vertical mounting and without having to remove inside dual tire.
- Designs compatible with popular fitments and replacements of other brands used in market.

UNDERGROUND MINING WHEELS

- Seamless forged sections for all critical components.
- Fully machined flanges, gutter and back sections ensure mating component parts have exact fitment needed, with evenly distributed stress for reduced wear.

COMPLIANCE:

- Assemblies and components manufactured according to Tire & Rim Association (TRA) standards.
- USA-ASTM Standard: A36/A1011M; A529; A572
- DIN Standards: ST 37-2, ST42-2, ST52-3
- China Standards: Q235, Q275, Q345

ADDITIONAL NOTES:

- NHS referenced in tire size: Not for Highway Service.
- Sur-Loc side rings available for 25"-29" diameter wheels.

