FROM THE CONCENTRATE SHED TO THE CASTHOUSE

NON-FERROUS SMELTING

Liners, chutes and fabricated wear parts for aluminum, copper, zinc and lead smelters, from raw material handling through the carbon plant and slag. Built in Birmingham to your drawing.


SHOP-BUILT ALLOY CHUTES

WHAT TASSCO® BUILDS

Built off your spare set, or measured on the machine

01 Raw material receiving

- Ship and rail unloading hopper liners
- Concentrate and alumina transfer chutes
- Stockpile reclaim feeder liners

02 Alumina and bath handling

- Pneumatic conveying elbows and wear backs
- Alumina silo discharge cones
- Bath crusher and screen liners

03 Carbon and anode plant

- Coke and pitch handling chutes
- Paste mixer liners and paddles
- Butt crusher and anode cleaning liners

04 Concentrate and flux

- Concentrate dryer and feed chutes
- Flux and reverts bins and hoppers
- Bucket elevator and screw liners

05 Slag, dross and skims

- Slag pot handling and bucket liners
- Dross and skim bin liners
- Slag granulation launder liners

06 Fume, dust and yard

- Baghouse hoppers and screw conveyors
- ID fan housing and blade liners
- Loader bucket liners and cutting edges

SHOP-BUILT, FIELD-PROVEN


Fabricated transition chute


Lined chute sections, ready to ship


Fabricated hopper, ready to ship

PRODUCTS AND SOLUTIONS · NON-FERROUS SMELTING

RIGHT GRADE, RIGHT WEAR ZONE.

Every grade ships from stock as plate, cut to size, or fully fabricated.

FLAGSHIP GRADE · MELTED AND MADE IN USA

TASSCO XT

HARD FROM FACE TO CENTERLINE. CONSISTENT FROM HEAT TO HEAT.

XT is low-carbon, alloy-rich plate that's hard through its full thickness. Chromium, molybdenum and boron carry hardness to the core, nickel adds toughness, and your shop welds it with standard procedure.

477 BHN HARDNESS · 450–514	**.20–.23** % CARBON, ALLOY-RICH
3/16"–1" STOCKED THICKNESS	**170 ksi** YIELD, TYPICAL

COMP-C

Welded chromium carbide overlay

60 HRC | 1L / 2L | 3/8"–1½"

- Alumina and coke elbows
- Butt crusher and paste mixer liners

FUSED ALLOY

Fusion-bonded CCO, smooth and bead-free

700 BHN | 2:1 VS WELDED CCO | ½"–1¼"

- Concentrate and alumina chutes
- Smooth face so fines keep moving

TASSCO HD

Through-hardened Q&T plate, heavy sections

450 BHN | 27 FT-LB @ –50°F | 1¼"–5"

- Slag and dross handling impact zones
- Crusher and reclaim feeders

CORRHARD

Martensitic stainless, abrasion plus corrosion

314 BHN | 12% CR | 3/16"–1"

- Wet concentrate and scrubber zones
- Upgrade from 304 stainless

HOW WE WORK

One supplier, one number to call

01 MEASURE
Off your spare set, off the machine, or with LiDAR scanning and DEM modeling.

02 DRAW
Grade, thickness, holes and bends. Kept on file for next time.

03 FABRICATE
Cut, formed, rolled, beveled and drilled in our Birmingham shop.

04 DELIVER
Marked and kitted for the change-out, ready to bolt up or weld in.

TALK TO A WEAR SPECIALIST

BRING A DRAWING, A WORN PART, OR A PHOTO.

We'll take it from there.

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TASSCO.COM