

# REDCO™ UHMW

Our most diversified product with extensive properties designed to enhance production and save you maintenance costs.

SHEET, ROD, TUBE & CUSTOM PARTS



- ABRASION RESISTANT
- ABSORBS NOISE
- SMOOTH & NON-SLIP SURFACES
- HIGH LOAD CAPACITY
- CORROSION RESISTANT
- ABSORBS IMPACT
- MINIMIZE MAINTENANCE
- OUTSTANDING DURABILITY
- CHEMICAL RESISTANCE
- WET OR DRY APPLICATIONS
- FDA, USDA & CFIA GRADES
- DETECTABLE MATERIALS
- SELF LUBRICATING



## REDCO™ VIRGIN UHMW

Redco™ UHMW polyethylene offers a combination of high impact strength, excellent machinability and low surface friction with outstanding wear and corrosion resistance. FDA, CFIA and USDA compliant Redco™ UHMW reduces material hang ups and enhances material flow; increasing your production and your profits.

STANDARD COLOR: Natural (white) & Black

### TYPICAL APPLICATIONS:

Wear strip, channel, diverter arms, bearing blocks, scraper blades, wear rails, star wheels, chute liners, hopper liners, bunk pads, slider blocks, low pressure gears, light duty pulleys, dock fenders/pads, metal detector troughs, trimmer lugs, sprockets, conveyor flights, wear shoes/guides, forklift hose sheaves, skate wheels, rollers, hold down wheels, slides, cutting boards, outrigger pads, etc.

## REDCO™ REPROCESSED UHMW

Redco™ Reprocessed UHMW is a blend of Virgin and Reprocessed polyethylene resulting in a cost effective alternative to Virgin UHMW. Redco™ Reprocessed UHMW is recommended for wear strip applications that do not require FDA approval.

STANDARD COLORS: Black, Green & Yellow

### TYPICAL APPLICATIONS:

Wear strip, channel, hold down wheels, slides, bearing blocks, wear rails, chute liners, hopper liners, wear shoes/guides, low pressure gears, flights, light duty pulleys, dock fenders/pads, skate wheels, rollers, slider blocks, outrigger pads, etc.

## REDCO™ BLUE

Contaminants within the food and beverage industry are an ever-present fear. Being able to identify if a contaminate has entered into production is paramount to avoid costly fines or shutdowns.

Redco™ Blue UHMW possess all the properties expected of Virgin UHMW with increased visibility to identify potential part contaminants at a comparable cost to standard materials.

Redco™ Blue UHMW is FDA, USDA, and CFIA compliant.

STANDARD COLOR: Blue

### TYPICAL APPLICATIONS:

Wear liners, guides, wear strips, valves, bearings, bushings, sprockets, rollers, gaskets, guide rails, mixer paddles, scraper blades, baffles, star wheels, seals, custom parts, etc.



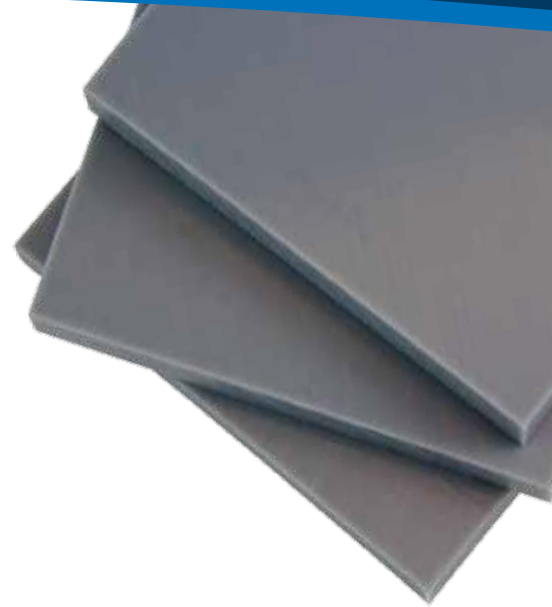
## REDCO™ TITANIUM ●

Redco™ Titanium is specially formulated to be the slickest, strongest and toughest with superior abrasion resistance and the lowest thermal expansion. Developed for the most demanding applications involving impact and sliding, Redco™ Titanium will withstand the most severe environments.

STANDARD COLOR: Grey

TYPICAL APPLICATIONS:

Bin liners, hopper liners, flume liners, belt scrapers, skirt boards, chutes, conveyors, silos, cyclones, spoon liners, bunkers, wear strips, feeder liners, etc.



## REDCO™ SURE GLIDE ●

Redco™ Sure Glide has remarkable durability with significant abrasion resistance and dimensional stability. It has a low coefficient-of-friction with a surface slickness that rivals PTFE, while also having good tensile strength, impact resistance and load-bearing properties.

Redco™ Sure Glide excels in demanding applications such as guides for heavy-duty conveyor chains, wear strips, and anywhere else a non-stick, extended-wear, liner surface is desired to reduce clogging and bridging in hoppers and chutes.

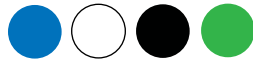
STANDARD COLOR: Dark Grey

TYPICAL APPLICATIONS:

Aggregate chutes, bin liners, hopper liners, flume liners, belt scrapers, skirt boards, chutes, conveyors, silos, cyclones, spoon liners, bunkers, wear strips, feeder liners, etc.

**Sheet is available up to 4' x 10' | Tube and Rod are available up to 10' lengths | Cut-to-Size**  
(Dimension availability varies by grade)

## REDCO™ TIVAR®



The Redco™ Tivar®\* product line has a variety of custom formulations to suit many applications to reduce noise, prevent hang ups, bridging and ratholing, eliminate static and decrease wear on equipment. Specialty formulations include:

### **Redco™ Tivar® 88**

A premium lining material for bulk material handling, Redco™ Tivar® 88 promotes flow of cohesive or non-free flowing materials due to its low surface friction. Redco™ Tivar® 88 liners are the perfect solution to reduce or eliminate arching, ratholing and erratic material flow challenges.

### **Redco™ Tivar® 88 BurnGuard™\***

Redco™ Tivar® 88 with BurnGuard™ has flame retardant properties. When the source of the combustion is removed, TIVAR® 88 with BurnGuard™ self extinguishes and experiences no further impact. Redco™ Tivar® 88 with BurnGuard™ meets MSHA 1C-112/1 for underground mining and has a UL94 V-0 flammability rating.

### **Redco™ Tivar® Dryslide**

Ideal for dusty environments, Redco™ Tivar® Dryslide is electro static dissipative which eliminates shock due to friction. Redco™ Tivar® Dryslide is also corrosion-resistant, self-lubricating (dry lubricant formulation) with no moisture absorption.

### **Redco™ Tivar® H.O.T.**

Formulated to maintain key performance properties in a variety of industrial manufacturing environments where temperatures range up to 275°F. In many applications, Redco™ Tivar® H.O.T will last up to 10 times longer in higher temperature environments and has excellent wear and release characteristics.

### **Redco™ Tivar® Ceram P®**

The ultimate material for high load, high speed and severe sliding abrasion applications. Composed of virgin polymer and premium additives, Redco™ Tivar® Ceram P® is a shatter-resistant alternative to ceramics, reducing wear and machine maintenance downtime.

STANDARD COLORS: Blue, White & Black

Fusion welded Redco™ UHMW sheets are available to eliminate lifting; up to 144" x 1200".

#### TYPICAL APPLICATIONS:

Belt skirting, chute liners, conveying components, bearings, belt guides, chain guides, curves, guide rails, wear strip, dead plates, diverter bars, guide rollers, hitch plates, hopper liners, liners for gravity flow applications, roller covers, transfer plates, under belt wear strips, belt scrapers, bunker liners, chain conveyor flights, chute liners, conveyor skirting, cyclones, drag chain conveyor liners, dragline buckets, dust collection hopper liners, front end loader bucket liners, hopper liners, off-road truck beds, truck bed lining for asphalt hauling, pugmill paddles, railcar liners, reclaimer buckets, screw conveyor liners, self-unloading ships, silo liners, slider beds, storage bin liners surge bin liners, transfer chute liners, under chain guides, vibrating bin, dischargers, vibratory feeder liners, etc.

\*Tivar & BurnGuard are registered trademarks of The Quadrant Group of Companies



## REDCO™ METAL DETECTABLE ●

Food processors and packaging facilities face the ever present risk of contamination finding its way into their product. The risks and potential financial losses can be significant if they are not detected early. The unique additives in this product allow it to be easily traced by standard metal detectors while continuing to provide the outstanding wear resistance and sliding properties you would expect from UHMW.

Redco™ Metal Detectable UHMW complies with FDA and 3A-Sanitary-Dairy-Standard regulations concerning direct contact with food.

STANDARD COLOR: Blue

TYPICAL APPLICATIONS:

Scraper blades, fillers, mixer components, wear plates, hopper guides, baffles, pillow blocks, cups and sleeves, dividers, etc.

## REDCO™ X-RAY DETECTABLE ●

Today's processors are turning to x-ray inspection equipment especially in post-package inspection. The need for traceable plastic machined parts for filling, sorting, and packaging machinery is critical due to strict FDA regulations regarding foreign materials and contaminants.

Redco™ X-Ray Detectable UHMW is ideal for a variety of parts within the production line and has proven to be detected with a particle size as small as a 3mm cube at running speeds as fast as 250 feet-per-minute.

STANDARD COLOR: Blue

TYPICAL APPLICATIONS:

Scraper blades, fillers, mixer components, wear plates, hopper guides, baffles, pillow blocks, cups and sleeves, dividers, etc.

**Sheet is available up to 4' x 10' | Tube and Rod are available up to 10' lengths | Cut-to-Size**  
(Dimension availability varies by grade)



## REDCO™ HIGH SPEED ●

Specially developed for systems to be operated at higher speeds and therefore higher productivity, Redco High Speed has exceptionally good sliding properties and exhibits a very low temperature development which results in lower wear and a longer lifespan of the entire system.

- Reduced energy consumption
- Less stress on all parts of the conveyor system
- Significantly reduced temperature development
- Long life
- Increased process stability
- Lower noise emission
- Shorter run-in phase
- Longer maintenance intervals

STANDARD COLOR: Blue

TYPICAL APPLICATIONS:

Sliding and conveyor parts for conveyor technology, automation, food industry applications, etc.



## REDCO™ X-STATIC ●

Redco™ X-Static eliminates static electricity hazards common in bulk material applications.

Redco™ X-Static is a special combination of virgin UHMW compounded with Carbon Black to provide anti-static properties while retaining corrosion and wear resistance, low surface friction and high impact strength.

STANDARD COLOR: Black

TYPICAL APPLICATIONS:

Bulk material liners, wear strip, chute, bin, hopper, and silo liners, etc.



## REDCO™ ANTI-SKID

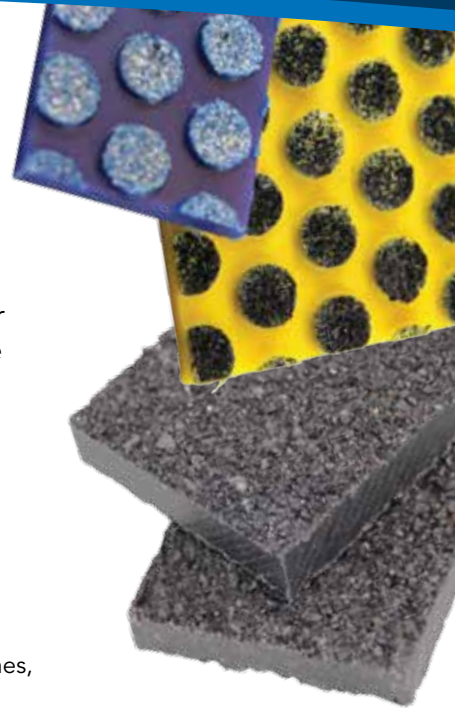
Redco™ Anti-Skid UHMW Sheet is a partially sand, partially slag impregnated, or fully slag anti-skid UHMW-PE anti-skid material. It is ideal for safeguarding pedestrian and vehicular slip hazard areas with much longer life than non-skid tapes or paints.

Not only is the product a tactile warning surface, it also has a contrasting color theme (dark on light or light on dark) for added safety.

STANDARD COLOR: Black on Yellow (Slag), Gray on Blue (Sand) or Black (Aggressive Slag)

### TYPICAL APPLICATIONS:

Steps, stair-treads, gangways, walkways, ramps, boat decks, dock plates, low-light areas, inclines, anti-slip areas, etc.



## REDCO™ SYNSTEEL

Redco™ Synsteel is a “pulp safe” UHMW engineered to remedy concerns with plastic contamination. Redco™ Synsteel has a specific gravity >2, is attracted to magnets, has a melting point > 180°C and will trigger metal detectors. Synsteel also carries the benefit of twice the compression strength of virgin UHMW, reduced thermal expansion, improved abrasion resistance and UV stabilization.

STANDARD COLOR: Black

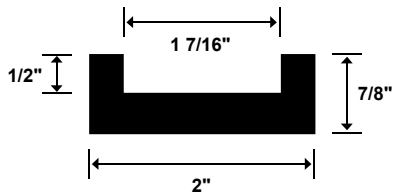
### TYPICAL APPLICATIONS:

Debarker outfeed, wear strip, hog fuel handling, chip handling, sharp chain wear strip, conveyor systems, cyclone liners, bin liners, flat backs on blow systems, resaw line bars, chip screens, conveyor flights, mast guides in forklifts, shaft support bearings, chipper infeed spouts, chute liners, oregon bends, transition sections, line bars, etc.

**Sheet is available up to 4' x 10' | Tube and Rod are available up to 10' lengths | Cut-to-Size**  
(Dimension availability varies by grade)

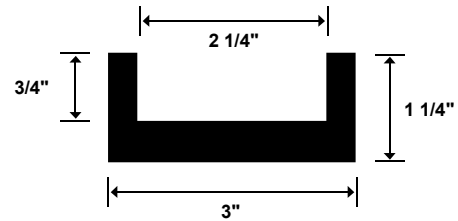
## CHAIN CHANNEL PROFILES

Prolong Chain Life | Reduce Noise | Reduce Power Consumption



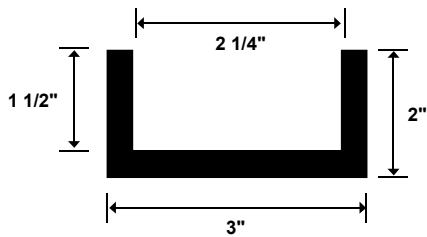
**Redco™ C2060 Channel**

Part #: R-13858



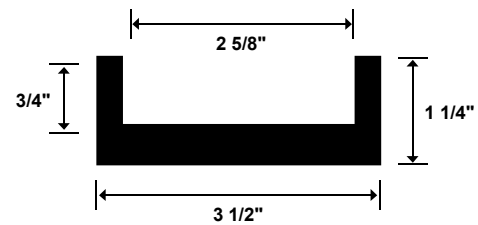
**Redco™ 81X Channel**

Part #: R-5007



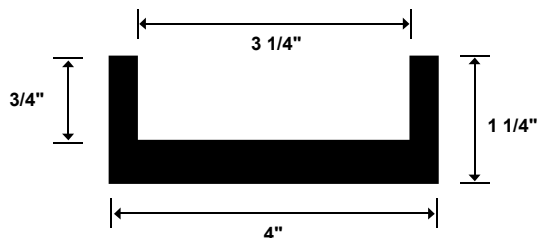
**Redco™ 81X High-Side Channel**

Part #: R-9087



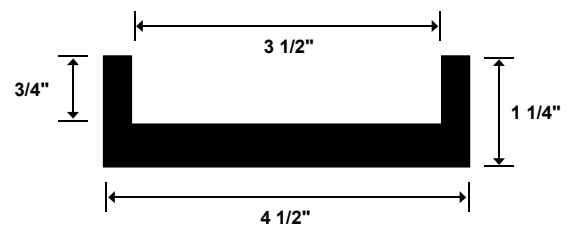
**Redco™ HD-81X Channel**

Part #: R-10576



**Redco™ H78 Channel**

Part #: R-10148



**Redco™ H82 Channel**

H82, WR78HD, WR82

Part #: R-4540

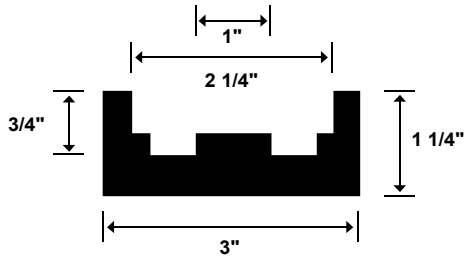
**Channel Stocked in 10' Lengths Standard Color: Yellow**

**Also Available:** Other colors, custom profiles, and specialty grades for excessive wear or high load applications.  
Plug welding, standard fastening hardware, and tools.



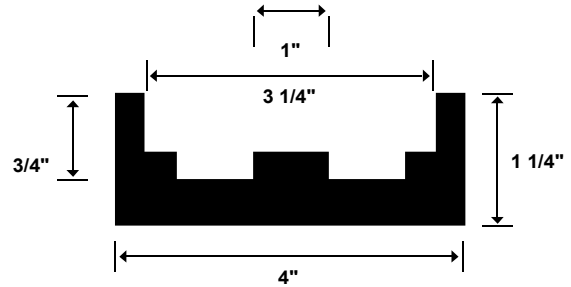
# CHAIN CHANNEL PROFILES

Easy to Install | Lightweight | Custom Sizes Available



**Redco™ 81X E Trak Channel**

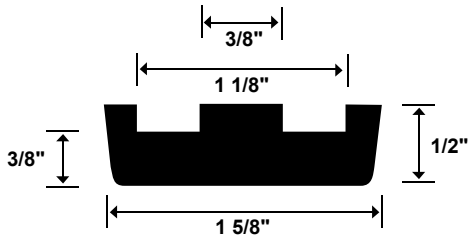
Part #: R-5007-E



**Redco™ 81XHH/C188/H78**

**E Trak Channel**

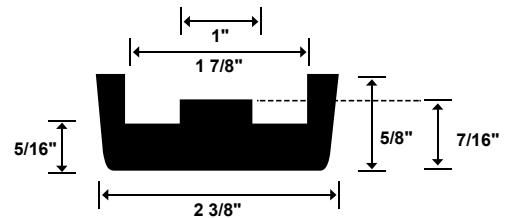
Part #: R-10148-E



**Redco™ C2060**

2" Steel Channel Insert

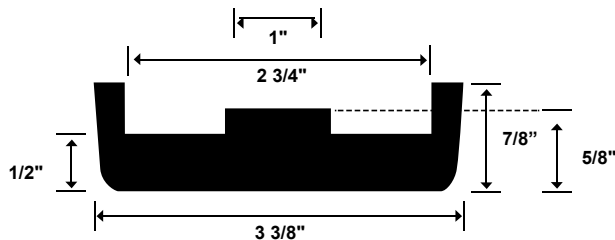
Part #: R-28853



**Redco™ 81X**

3" Steel Channel Insert  
(For 3 x 4.1lb Steel Channel)

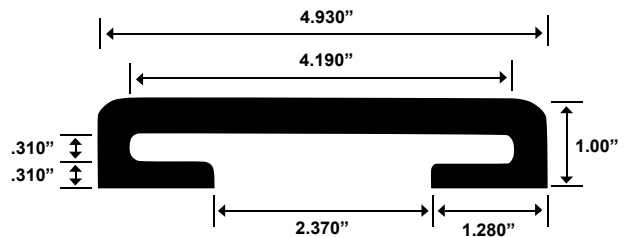
Part #: R-28855



**Redco™ 81XHH**

4" Steel Channel Insert

Part #: R-28857



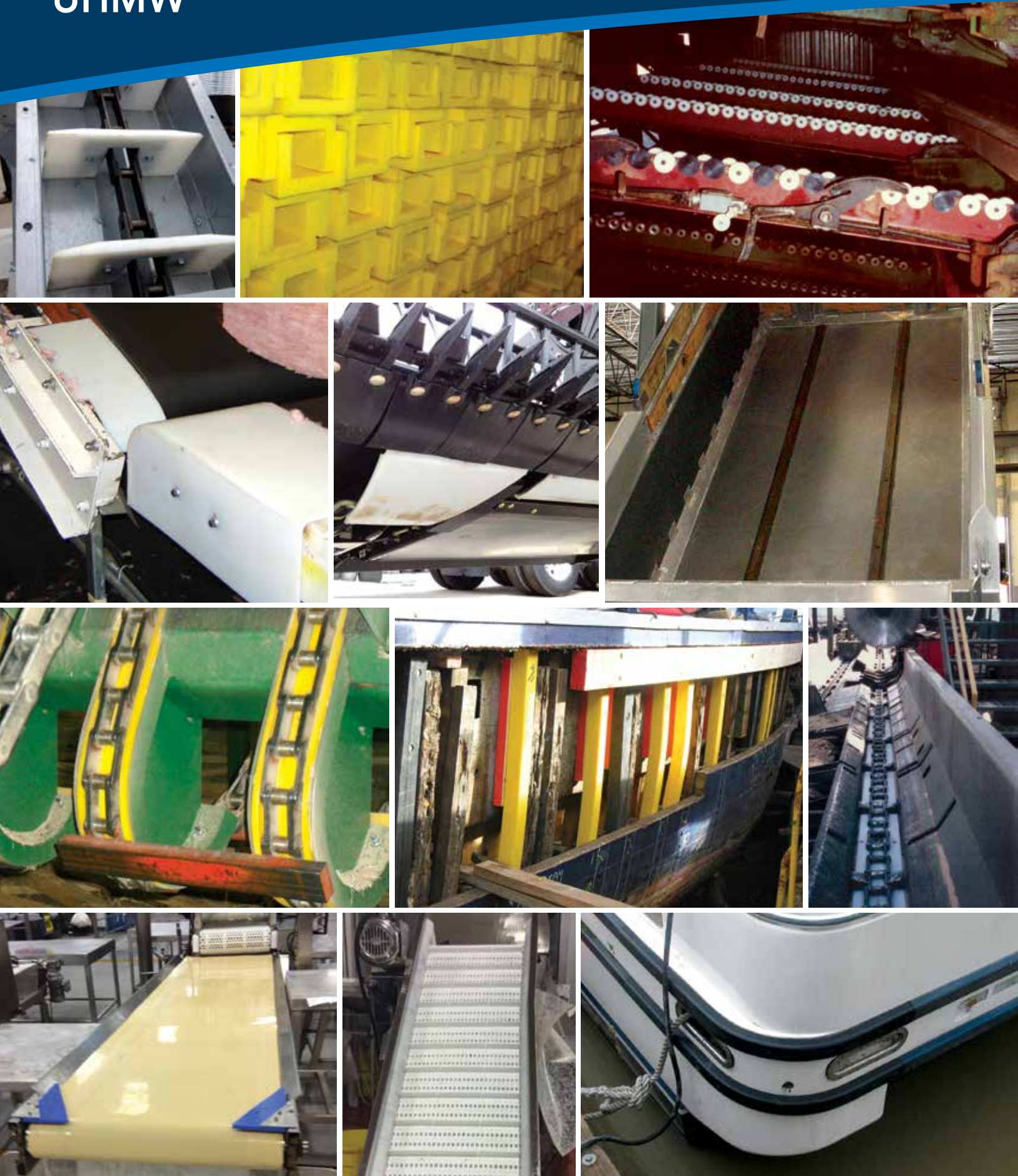
**Redco™ Flange Cap**

Part #: R-32521

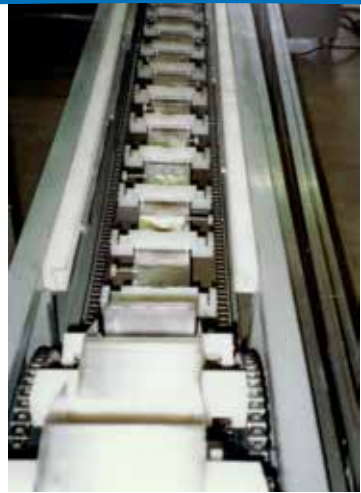
**Custom Profiles Available on Request**

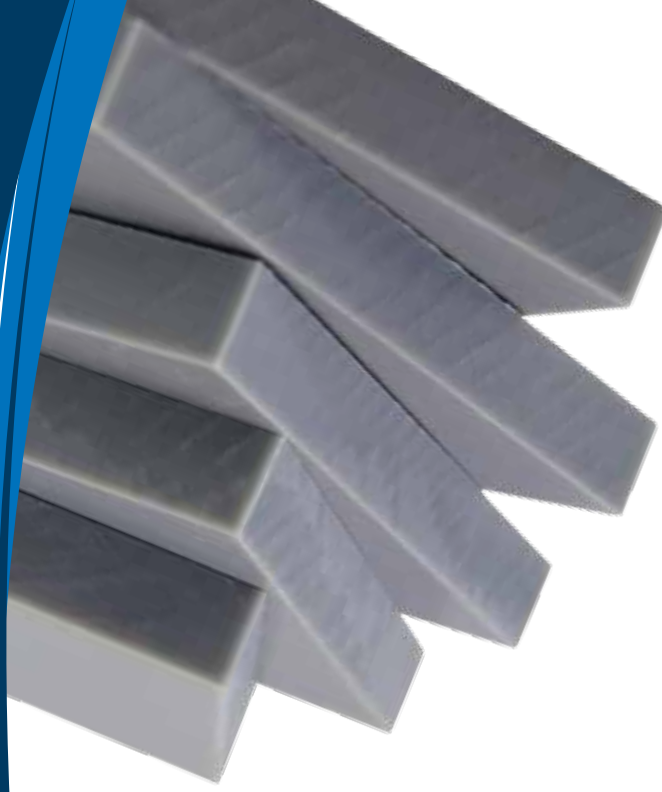
Dimensions are for reference and vary by location.

Redco™  
UHMW









## MORE THAN SHEET, ROD & TUBE FABRICATION AND MACHINING SERVICES IN EVERY LOCATION

Our custom plastic fabrication shops are fully equipped and we have **trained and experienced** plastic machinists to produce quality parts from many types of plastic materials.

From **intricate parts to simple cut-to-size** projects, we can help you select the most optimal material for your application and produce the final parts in a timely manner.

We can **design, machine, mill, weld, route, and drill** to produce prototypes, short runs, production runs or maintenance parts. Save time and money by utilizing our experienced plastic fabricators and plastic specialists.

ASK  
AN  
EXPERT

[www.redwoodplastics.com](http://www.redwoodplastics.com)

CDN 1 800 667 0999 USA 1 866 733 2684

[sales@redwoodplastics.com](mailto:sales@redwoodplastics.com)



**REDWOOD  
PLASTICS**

INNOVATIVE SOLUTIONS IN PLASTIC

