

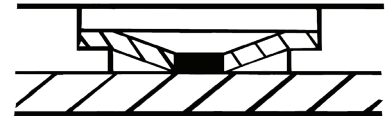
## Redco™ UHMW WEAR PLATE MATERIAL

### FASTENING:

Although available with a fiber-backed coating, to accept epoxy cement, the slick, virtually inert surface of Redco™ UHMW makes bond fastening impractical in the majority of industrial applications. Therefore, it is important to select the proper mechanical fasteners for individual applications.

### PLUG WELDING:

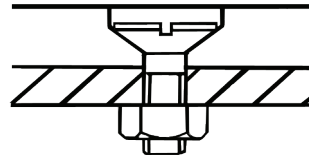
Where it is not practical or possible to drill through existing support, the plug weld system of fastening is provided. A shaped metal plug is dropped into a pre-drilled hole and spot welded in place. A pre-cut Redco™ UHMW plug is supplied to be driven flush with the strip surface. This system provides the largest hold down area of any fastening technique, while also allowing for expansion-contraction factors inherent to UHMW materials.



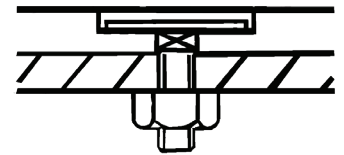
Plug Welding

### NUT & BOLT - ELEVATOR PARTS:

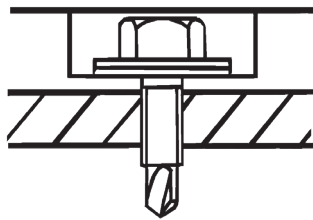
Redco™ UHMW elevator bolts have been used extensively for applications requiring a 1/4" thick bolt. The large flat head of each bolt should be counter-sunk "slightly" into the surface of the Redco™ UHMW. Redco™ UHMW caps are also available.



Nut & Bolt



Elevator Bolts



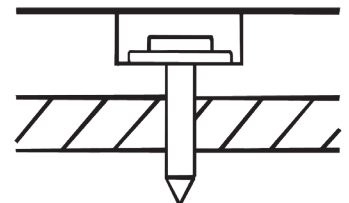
Tex Screw System

### Redco™ TEX SCREW SYSTEM:

Redco™ tex screws are a hex head self-drilling, self-tapping fastener. Tex screws are supplied complete with a bonded galvanized-neoprene washer, which is inserted between the Tex screw and the Redco™ UHMW to compensate for the difference in expansion and contraction factors between the substrate and the Redco™ UHMW wear plate. Redco™ wear strip, that is to be fastened using the Tex screw method, is drilled and counterbored in our shop and is recommended in most applications for Redco™ UHMW plate 3/8" thick and over. Redco™ UHMW can be centre-drilled for channel and stagger drilled for "I" beam applications.

### POWER ACTUATED FASTENERS:

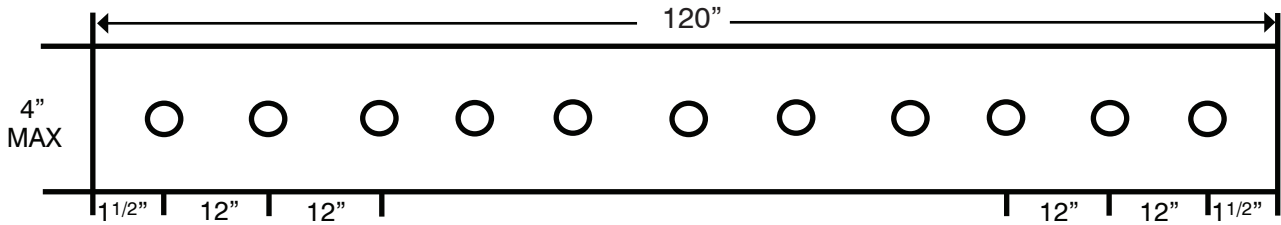
A fast and versatile system of fastening Redco™ UHMW is the "HILTI" or "RAMSET" Pin Fire Method. With some experimentation, the correct charge and fastener length can be determined for both concrete and steel substrates. A 1/4" to 1/2" long stud, with a R23 washer, using a Red charge, is the normal suggested recommendation. Pre-drilling is not required with this type of fastener.



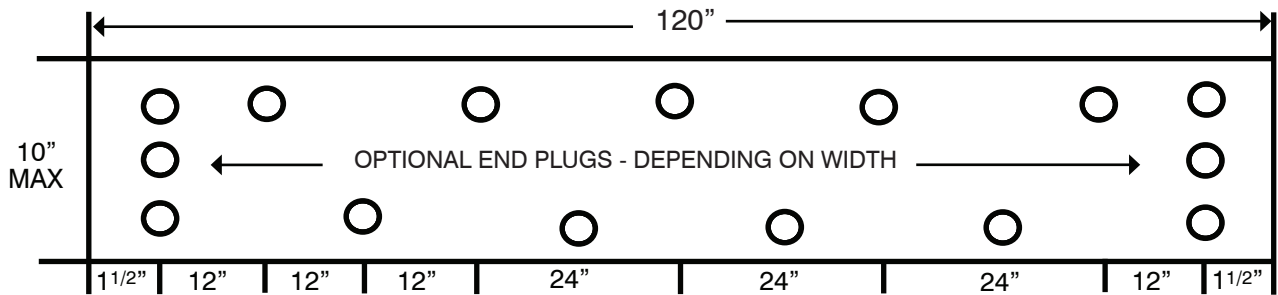
Power Actuated Fasteners

## STANDARD UHMW STRIP FASTENING RECOMMENDATIONS

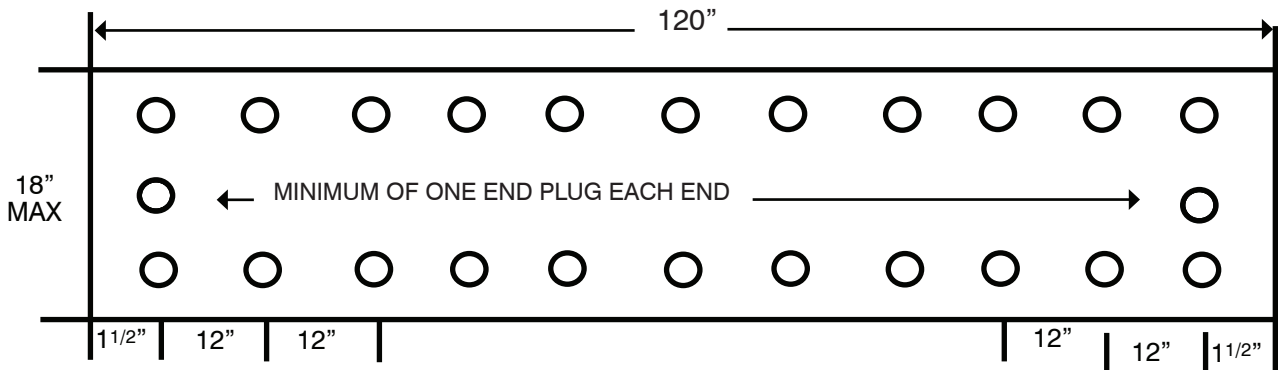
#1) Under 4" wide: 12" apart straight down center of strips



#2) 4" to 10" wide: staggered on 12" centers



#3) 11" to 18" wide: 12" apart down each edge



#4) Over 18" wide: 12" apart down each edge with intermediates every 24" down center of strip

