

Belt Skiving Increases Belt and Fastener Life



To improve the compatibility of fasteners used with belt cleaners, skirt boards or return idlers – and to reduce fastener wear – fasteners can be countersunk below the belt surface. This process is called skiving and requires a belt top cover thickness of at least 3/16" (5 mm).



Installing the splice below the belt top cover eliminates opportunities for cleaner blades or other conveyor components to catch and remove the leading edge of fastener top plates.

Skiving a belt in order to countersink mechanical fasteners is often recommended on conveyor belts with heavy top covers (3/16" [5 mm] or more). Advantages include:

- Countersunk top plates can be installed closer to belt carcass for a stronger grip.
- Lower profile results in improved fastener interface with cleaner blades, skirt boards and return idlers.
- Smaller-sized fasteners may be used resulting in less belt flex and extended splice life over small diameter pulleys.

Special tools simplify the process

Skiving requires removing rubber from the belt top cover at the edge of the belt. With the material removed, the installed fastener holds the belt below the top cover. On the next page you'll find a number of easy-to-operate tools specifically designed to simplify the skiving process.



FLExCO

Skiving Tools from Flexco

A selection of specially designed, portable skiving tools makes skiving a fast and simple operation that greatly extends splice life.

FSK™ Belt Skiver

Portable and lightweight, the FSK™ Belt Skiver is ideal for heavy-duty applications. It adjusts easily for a variety of skiving depths.

FSK™ Belt Skiver

Description	Ordering Number
Skiver Complete	FSK-1



Flexco® Belt Groover

For fast and simple single grooving, the Flexco® FBG1 Belt Groover cuts a single groove into your conveyor belt top cover allowing the edge of the fastener to sit below the belt's top cover. This helps prevent any conveyor structure from catching or interfering with the leading edge plates of the mechanical joint. The FBG1 can also be used to cut a series of grooves in order to countersink the entire fastener.

Flexco® Belt Groover

Description	Ordering Number
Belt Groover	FBG1



Light-Duty Application Tools

Achieve quality results fast with the RTBS Hand Skiver (for rough-top belting) or the RB-1 Belt Grinder.

Hand Skiver

Ordering Number
RTBS Rough Top Skiver



RB-1 Belt Grinder

Ordering Number
RB-1 Belt Grinder



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