

FLITECH® HELICOID FLIGHTING

Falcon offers a wide range of high quality helicoid products tailored to meet your specific requirements. Our cone rolling process hardens the flight and provides an integral band of wear resistant steel at the outer edge. The tougher, reinforced edge ensures superior durability and a longer product life. This extra strength is achieved with no increase in weight or cost, ensuring maximum performance and value.

- ⬡ Ability to form coils in widths of up to 8" wide
- ⬡ Ability to form in thicknesses of up to 1"
- ⬡ Pitch designs of ½ to 2x the OD
- ⬡ Capacity of 18 roll forming machines to roll a variety of materials and sizes
- ⬡ Scale free surface finish to reduce prep prior to painting
- ⬡ Flight blade can have a lean up to 25 degrees
- ⬡ Anti wear edge feature, applying up to an 1/8" x 1/2" bead of Tungsten coating, for improved life
- ⬡ Strained hardened outer third of flight face



SR-Type Helicoid Flighting

- ⬡ Manufactured from Carbon Steel or 304/316 Stainless Steel
- ⬡ Available with RH or LH pitch

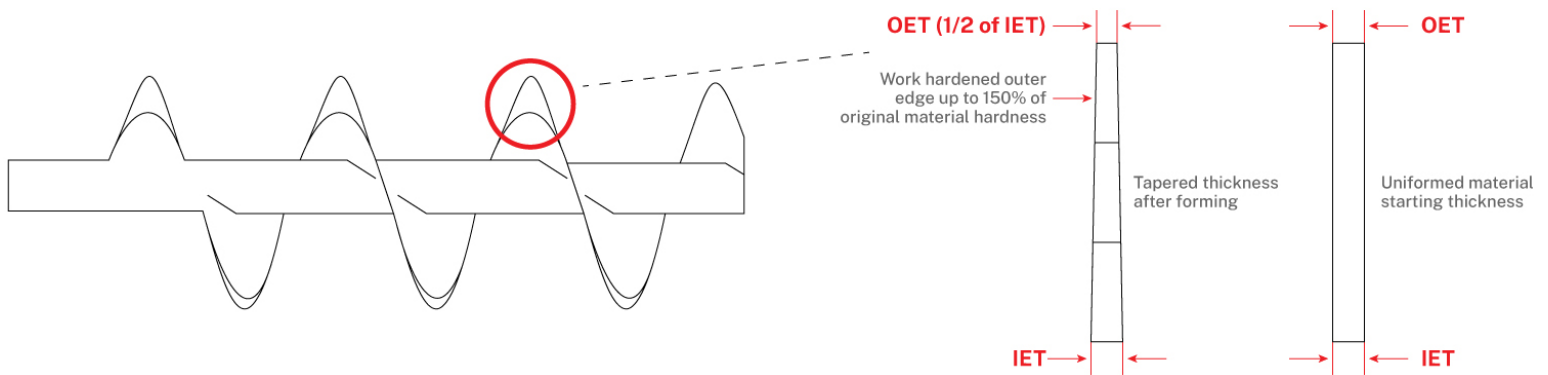


Helicoid Flighting Type SH FLIHARD®

- ⬡ Superior performance compared to traditional carbon steels
- ⬡ Options from 200 to +300 HB available in material thickness up to a 1/2"

BENEFITS OF HELICOID FLIGHT

- ⬢ Higher productivity for assembled augers
- ⬢ Enhanced mechanical strength, seamless continuous flights
- ⬢ Economical: a cost-effective solution when compared to sectional flighting
- ⬢ Reduced manufacturing time: fewer assembly hours, leading to quicker operational readiness
- ⬢ Perfectly straight screws, free from pitch to pitch deformities caused by welding



FLIHARD® / Mild Steel vs. Competition

Technology	Material	Hardness HB			Spiral Thick (mm)	
		Base	Center	Head	Base	Head
Roll Formed	FLIHARD® 210	155 to 165	190 to 200	210 to 220	3 to 15	1.5 to 8
Roll Formed	FLIHARD® 240	170 to 180	210 to 220	230 to 240	4 to 12	2 to 7
Roll Formed	FLIHARD® 280	200 to 210	240 to 250	260 to 275	4 to 12	2 to 7
Roll Formed	FLIHARD® 340	220 to 230	280 to 300	320 to 350	4 to 10	2 to 6
Roll Formed	Mild Steel	131	163	191	4.5	2.1
Competition	Mild Steel	118	140	170	5.1	2.9