

## Screw Flights

The largest and professional screw flight manufacturer, with patents for spiral manufacturing process.

Backed with three manufacturing technology to produce the different types including **Continuous Cold Rolled Screw Flight**, **Sectional Screw Flight** and **Continuous Equal Thickness Screw Flight** which almost meet all the market demand on the types and sizes.

Equipped with 23 screw flight forming machines, we have an annual production capacity up to 7000 tons.



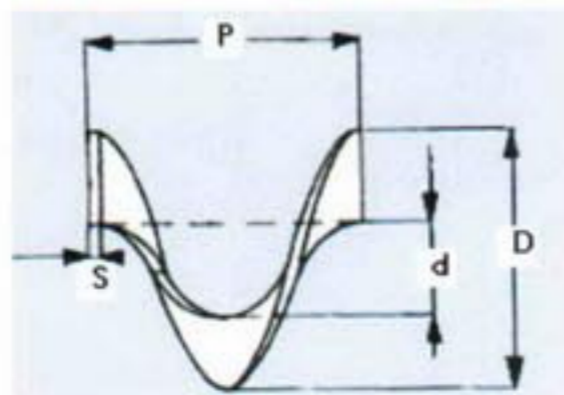
### WIDE APPLICATIONS

- Screw Conveyor
- Grain Harvester
- Water Treatment
- Construction Machinery
- Farm Machinery
- Holes Piling
- Concrete Mixer
- Planting & Cultivation
- Mining

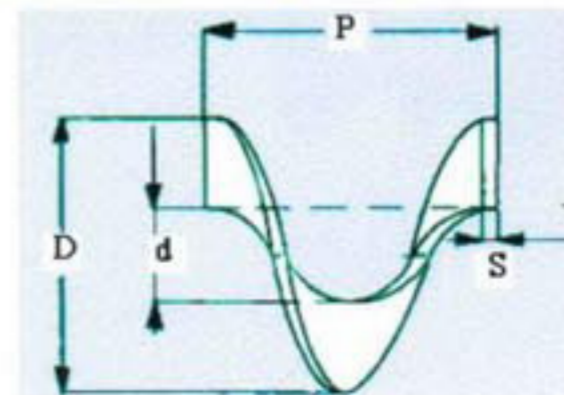
*and many more...*



Sectional Flight left hand



Sectional Flight right hand



## Continuous Cold Rolled Screw Flights



### FEATURES

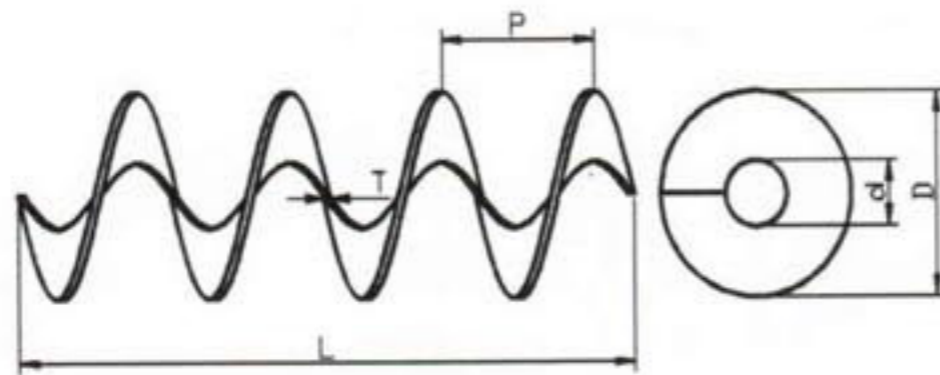
- High accuracy, low material wastage.
- Smooth surface finish, good rigidity, easy to weld and assemble.

### MATERIAL

Carbon Steel

### SPECIFICATIONS

Any screw flight with size coming in the range of the following table can be made.



P—Pitch  
D—Outside Dia  
d—Inner Dia  
T—Thickness

Band Thickness (mm)	Min. I.D. (mm)	Max. O.D. (mm)	Max. Band Width (mm)	Ratio of Pitch and O.D.	Ratio of I.D. and O.D.
3.0	20	500	165	0.6-1.3	4.0
3.5	20	500	165	0.6-1.3	4.0
5.0	28	500	165	0.8-1.3	4.0
6.0	40	500	165	0.8-1.2	4.0

Note: When the inner diameter is within the range of Min. I.D. + 5mm, then the max. O.D. should not exceed the triple of I.D.

Minimum order quantity of 15 tonnes exists for custom manufactured Continuous Screw Flights if the thickness required is not listed in above chart.

## Continuous Equal Thickness Screw Flights

### FEATURES

- Continuous equal thickness is another proprietary process patented and developed by our own in-house engineers with the purpose of overcoming problems like difficult forming, material wastage for small lot production.
- Continuous formed pitch construction with consistent cross sectional thickness between inner and outer edges, high precision, high output and high material usage.
- Manufactured in the same fashion as the screws manufactured by continuous cold rolled forming methods with the difference being consistent material thickness from inner to outer edge of the screw flight.

## Sectional Screw Flights

### FEATURES

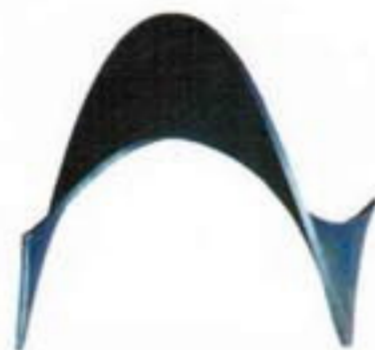
- A proprietary process coming into its own when material type, material thickness, big diameters, hard controlled special gauge are considerations and can't be accomplished by conventional continuous rolled forming process.
- A single pitch construction with consistent cross sectional thickness between inner and outer edges. Every screw flight section is formed accurately up to the customers' size.
- A wide range of sizes up to 2000mm in diameter, 40mm in thickness, 1500mm in pitch are available.
- Ribbon, Tapered and Variable Pitch Flights are available on application. Flights can also be hard faced or coated with wear protection materials.
- High precision, with no minimum order quantity requirement and customized size can be met.

### MATERIAL

Carbon Steel, Low Alloy Steel, Wear Resistant Steel, Stainless Steel, etc.

### SPECIFICATIONS

Any screw flight with size coming in the range of the following table can be made.



P—Pitch  
D—OD  
d—ID  
T—Thickness

Pitch (mm)	I.D. (Min.) (mm)	O.D. (Max.) (mm)	Ratio of Min. O.D.	Min O.D. (mm)	Thickness Range (mm)
60~100	30	480	1.0	Min O.D. = Pitch Customized x Ratio	3~16
100~150	35	480	0.8		3~18
150~200	50	520	0.75		3~20
200~250	60	630	0.7		3~25
250~300	65	670			3~25
300~350	90	900			3~30
350~400	90	950			3~30
400~450	95	950			3~30
450~500	135	1150			3~35
500~550	150	1300			3~40
550~650	150	1350			3~40
650~750	200	1400			3~45
750~850	200	1400			3~45
850~900	250	1450	3~50		
900~950	250	1450	3~50		
950~1050	300	1500	3~50		
1050~1200	350	1600	0.8		3~50
1200~1250	400	1800		3~50	
1250~1300	450	2000		3~50	

Note: Plate Thickness from 20mm to 30mm: Max Plate Width should be no more than 400mm.  
 Plate Thickness from 30mm to 40mm: Max Plate Width should be no more than 370mm.  
 Plate Thickness from 40mm to 50mm: Max Plate Width should be no more than 350mm.