

YOUR SEARCH
FOR QUALITY
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SCREW FLIGHT MANUFACTURER

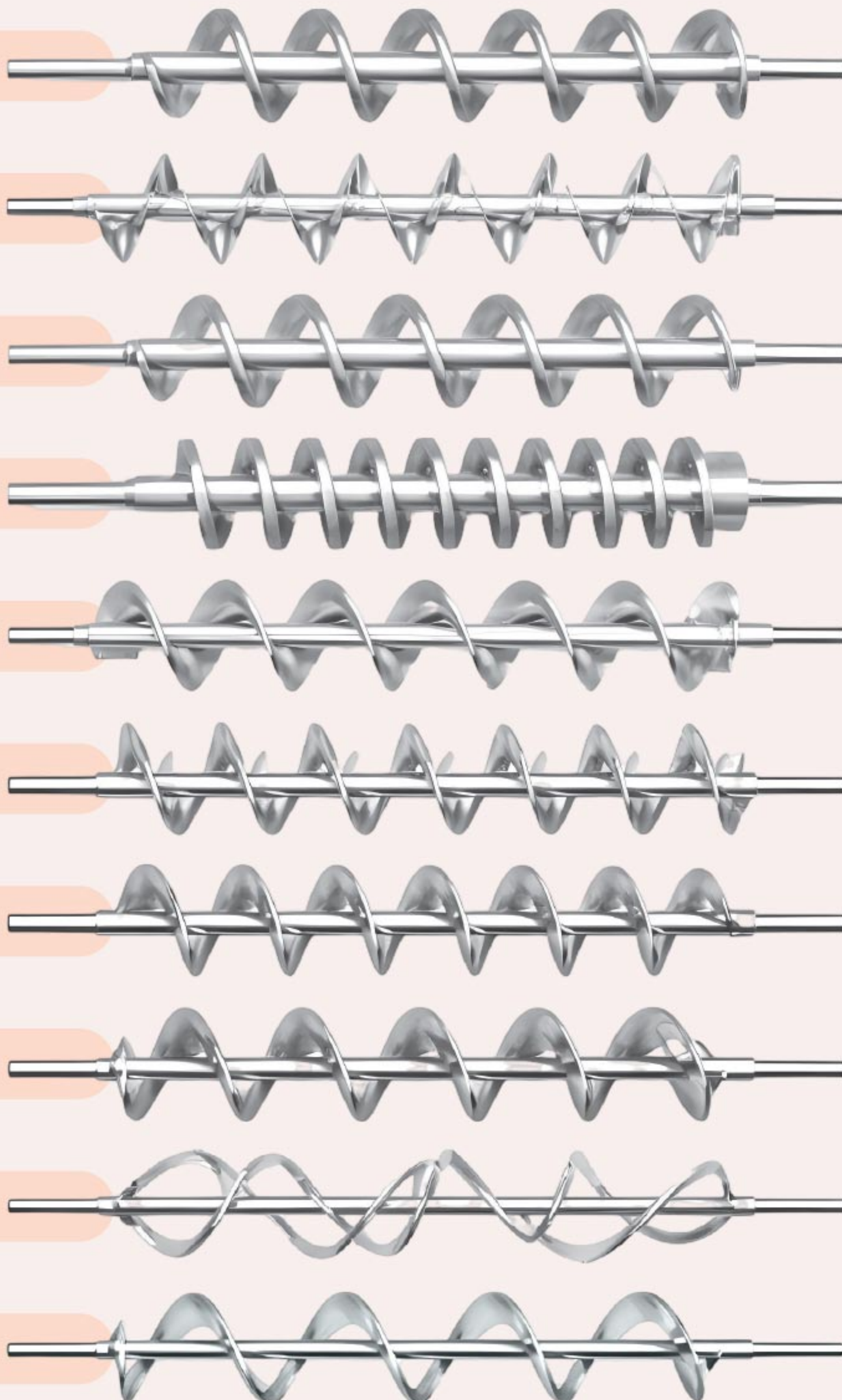


www.trivellaconveyors.com



Established in the year 2020, Trivella Conveyors is a joint venture of two manufacturing MGMT Tools & Hardware PVT. LTD. (Leading Manufacturer of Tool box, Tool Trolley, Industrial Trolley, Vibration Motor & Agro Process machinery Spares,) based in Sidhpur, Gujarat State of INDIA. and Makwel Industries (Leading Manufacturer of Agriculture Implement under the Brand name of SAMRAT) based in Gujarat State of INDIA.

Trivella Begins its journey with an Idea of Mr. M B Unjhawala's to provide expertise in screw augers and screw segments which are widely used in industrial sectors such as Agro Processing, Pharmaceuticals, Construction, Mining, Metal Industries, Minerals as well as chemical Industries. Their utility comes handy especially at cement plants, sewage treatment plant, sand washing and mineral plants as well.



Facts & Figure



30 +
Year of Experience



ISO 9001:2008
Certified Compny



800 +
Satisfied Customers



100 %
Quality Test Products

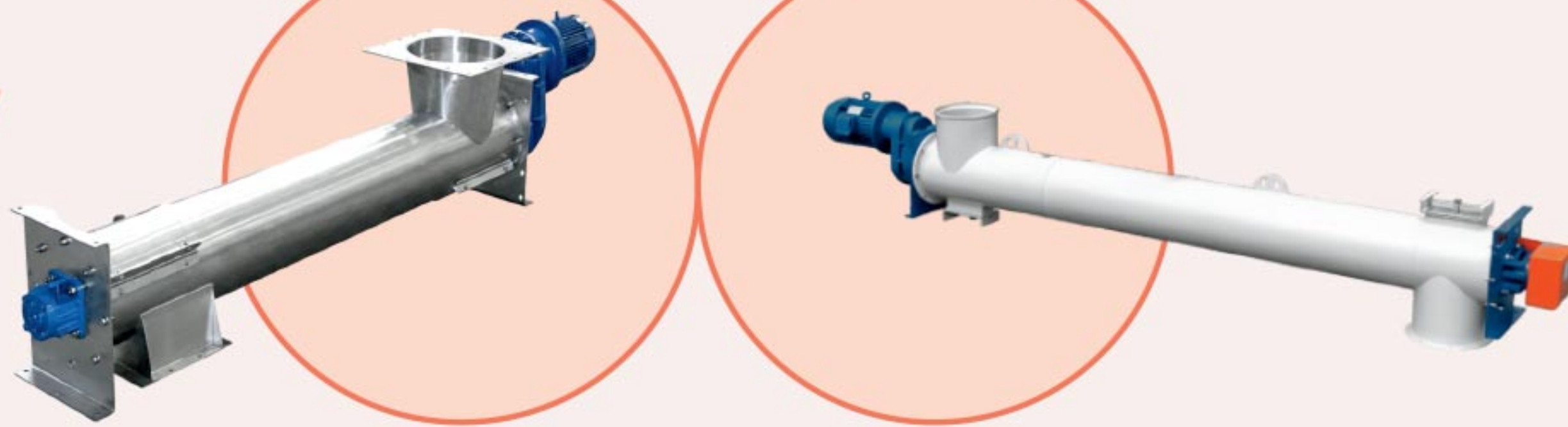


40 +
Our Employee



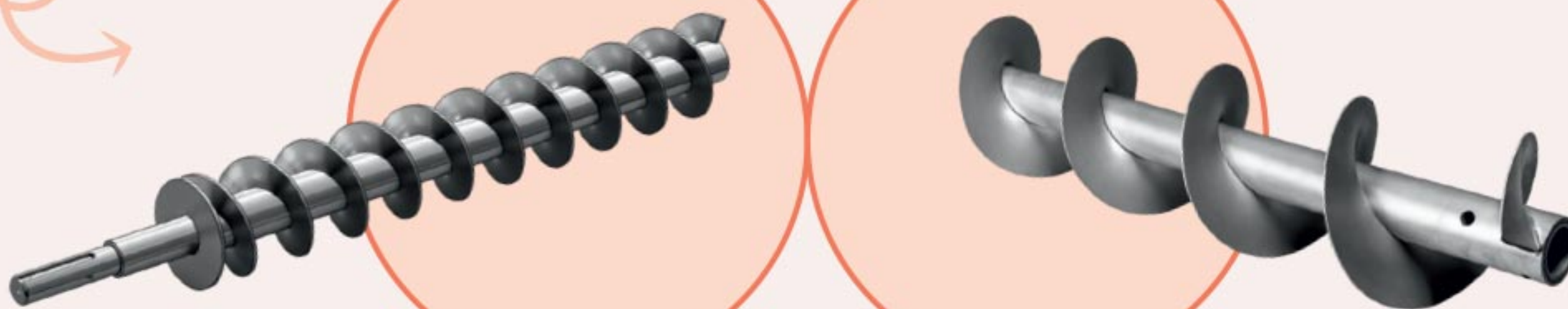
20000 +
Sq.Ft. Factory Premises

Tubular Screw Conveyors



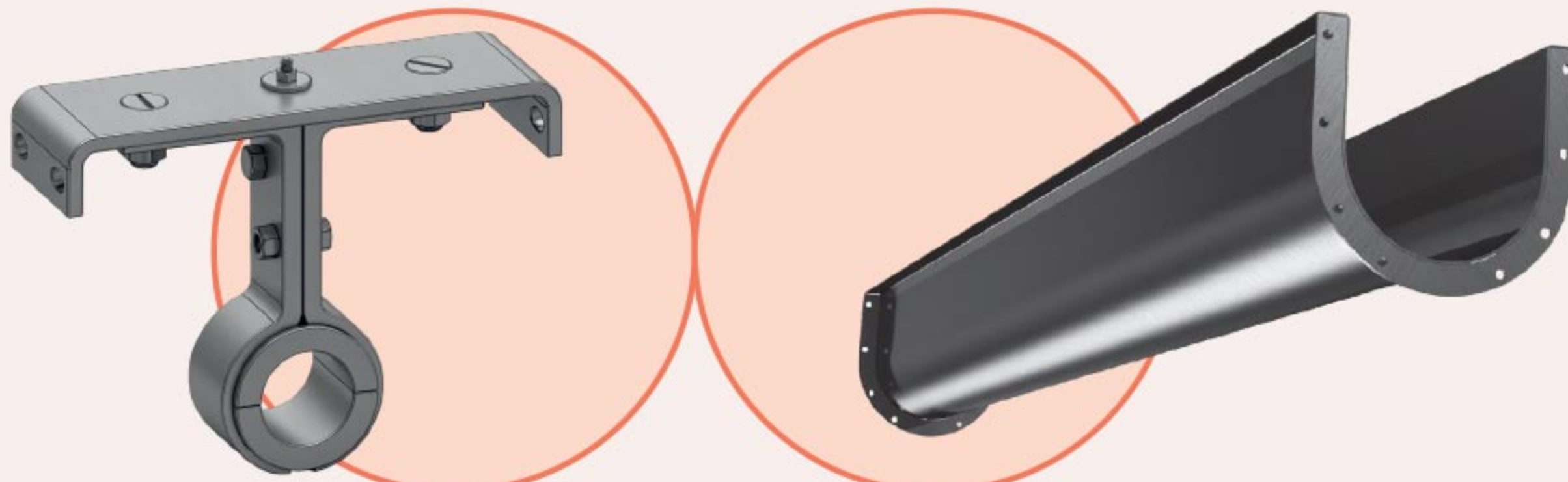
A Tubular Type Screw Conveyor is a fully enclosed conveyor used to transport powders and granular materials horizontally or at an incline. The screw rotates inside a circular tube, preventing material spillage and dust emission. It is ideal for hygienic, dust-free handling in agro, food, chemical, and industrial applications.

Screw Conveyor Shafts



A Screw Conveyor Shaft consists of screw flights permanently welded to a central shaft, forming a rigid single-piece assembly. This design ensures high strength, accurate alignment, and reliable torque transmission. It is commonly used for handling heavyduty, abrasive, or high-capacity materials in industrial applications.

Screw Conveyor Accessories



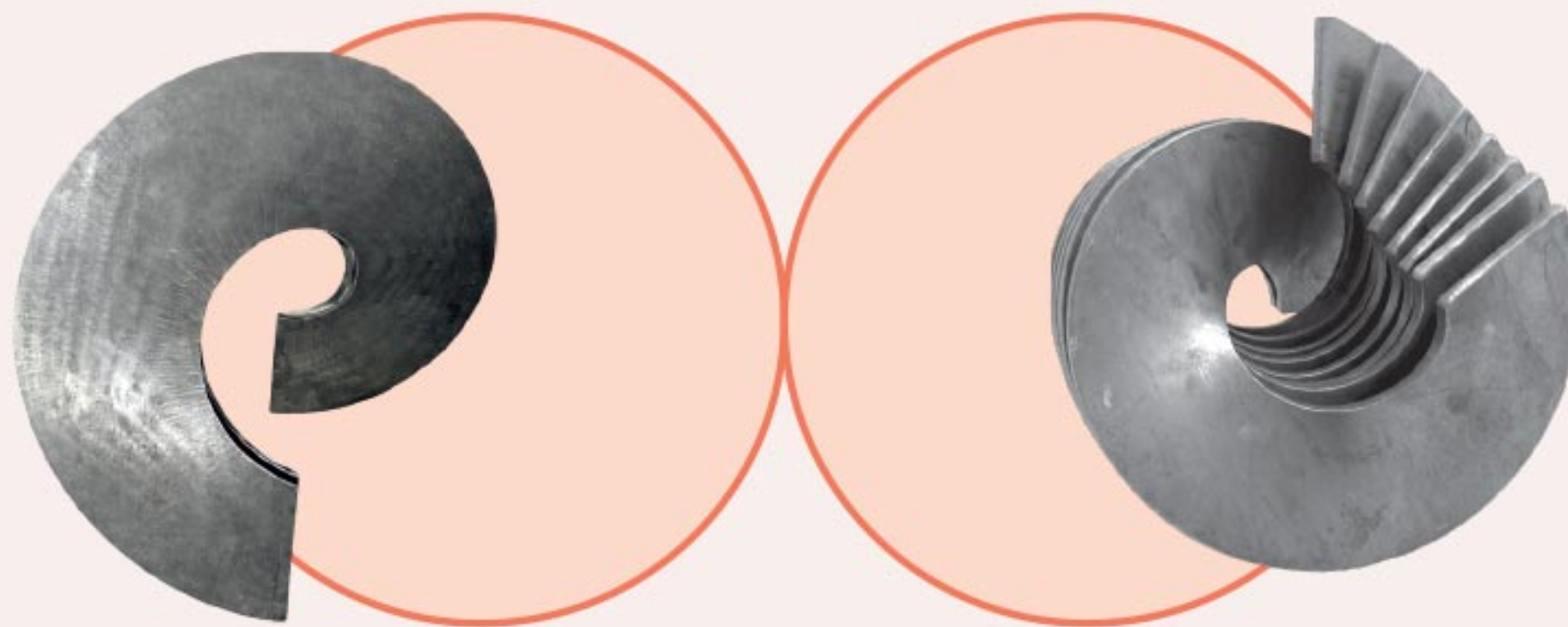
Screw Conveyor Accessories include components such as Utroughs and hanger bearings that support efficient operation. The U trough houses the screw assembly and allows easy access for inspection and cleaning. Hangers provide intermediate support for long screw conveyors, ensuring proper alignment, smooth rotation, and reduced shaft deflection during material handling.

Continuous Screw Flight



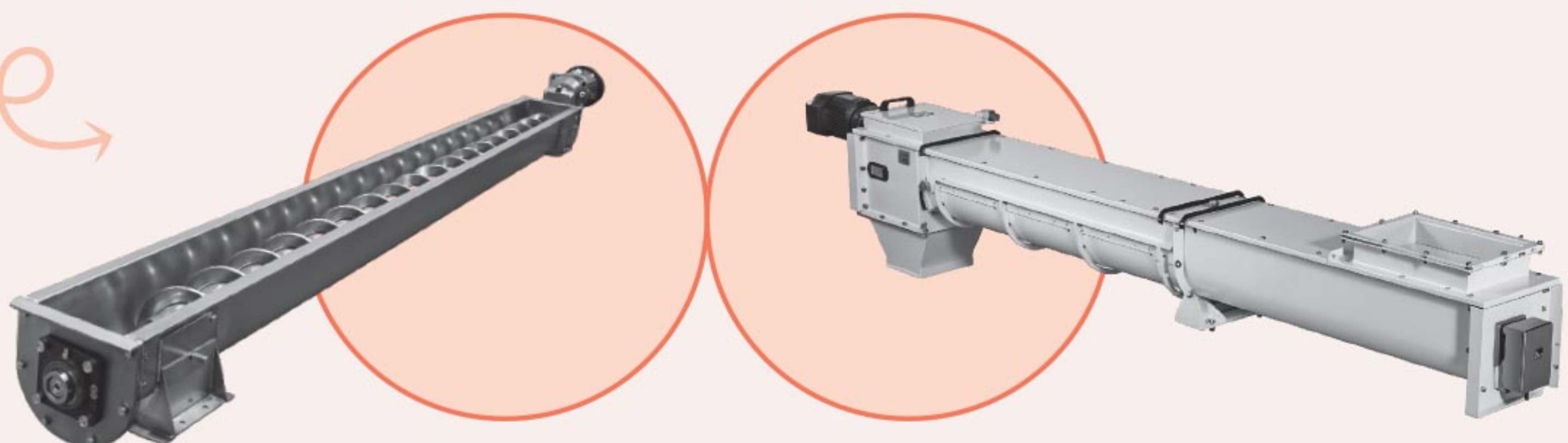
Continuous screw conveyor flights are spiral blades mounted on a central shaft to move bulk materials like powders, grains, and chemicals horizontally or on an incline. Their size, pitch, and material (such as carbon steel or stainless steel) are selected based on the material handled and required capacity.

Segmented Screw Flight



A screw segment is a single piece of screw flight with a helical shape, used in machines like conveyors and extruders to move materials along a fixed path. Mounted inside a tube or housing, it rotates to transport material and is made in various sizes and designs, typically from metal, for strength and durability across industries.

U-Trough Screw Conveyors

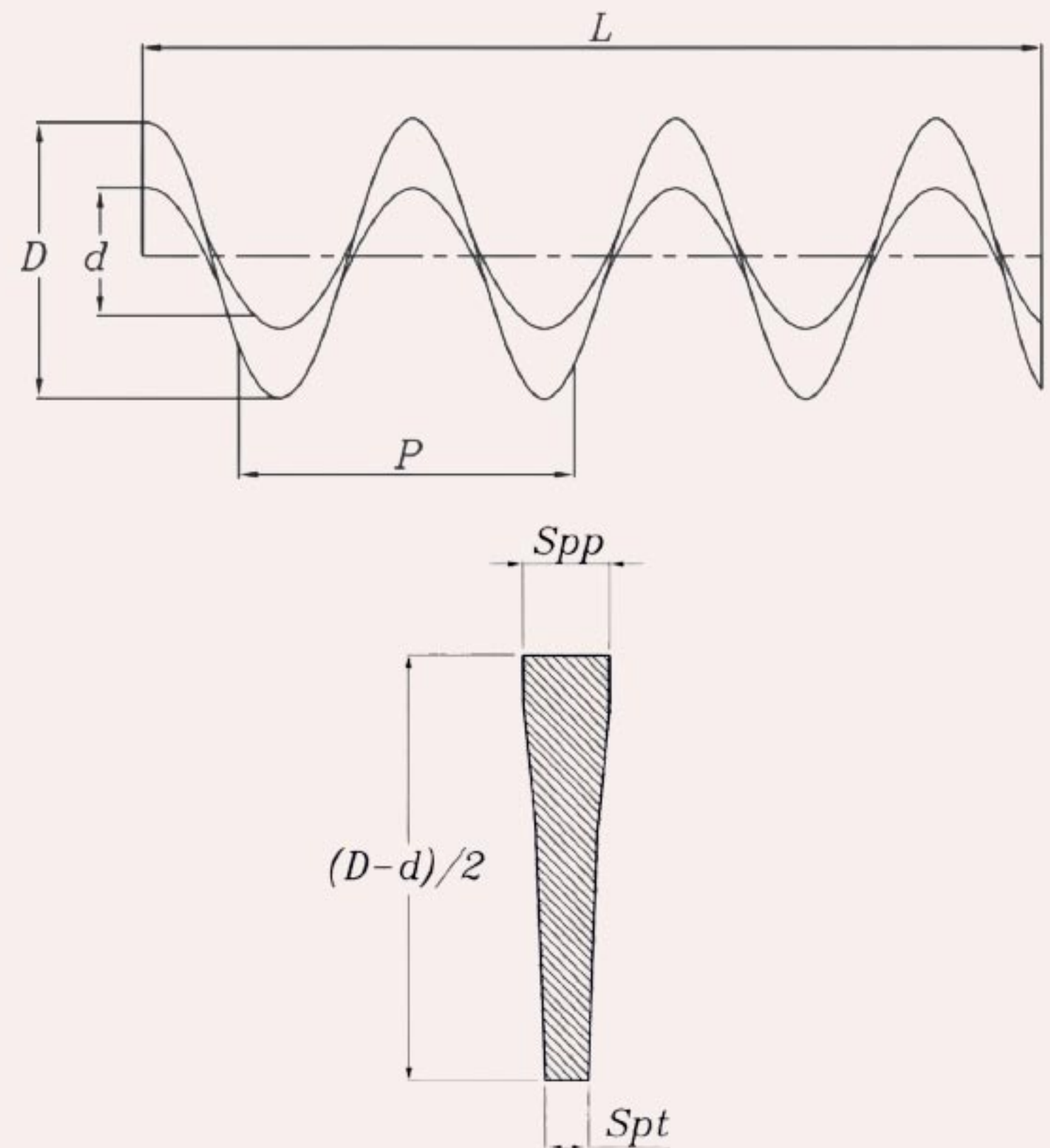


A U-Trough Type Screw Conveyor is a bulk material handling device used to convey powders, granules, and semi-solid materials horizontally or at a slight incline. It consists of a rotating screw mounted inside a U-shaped trough, allowing easy inspection, cleaning, and maintenance. It is widely used in agro, food, chemical, and industrial applications for efficient and controlled material transfer.

Available Sizes

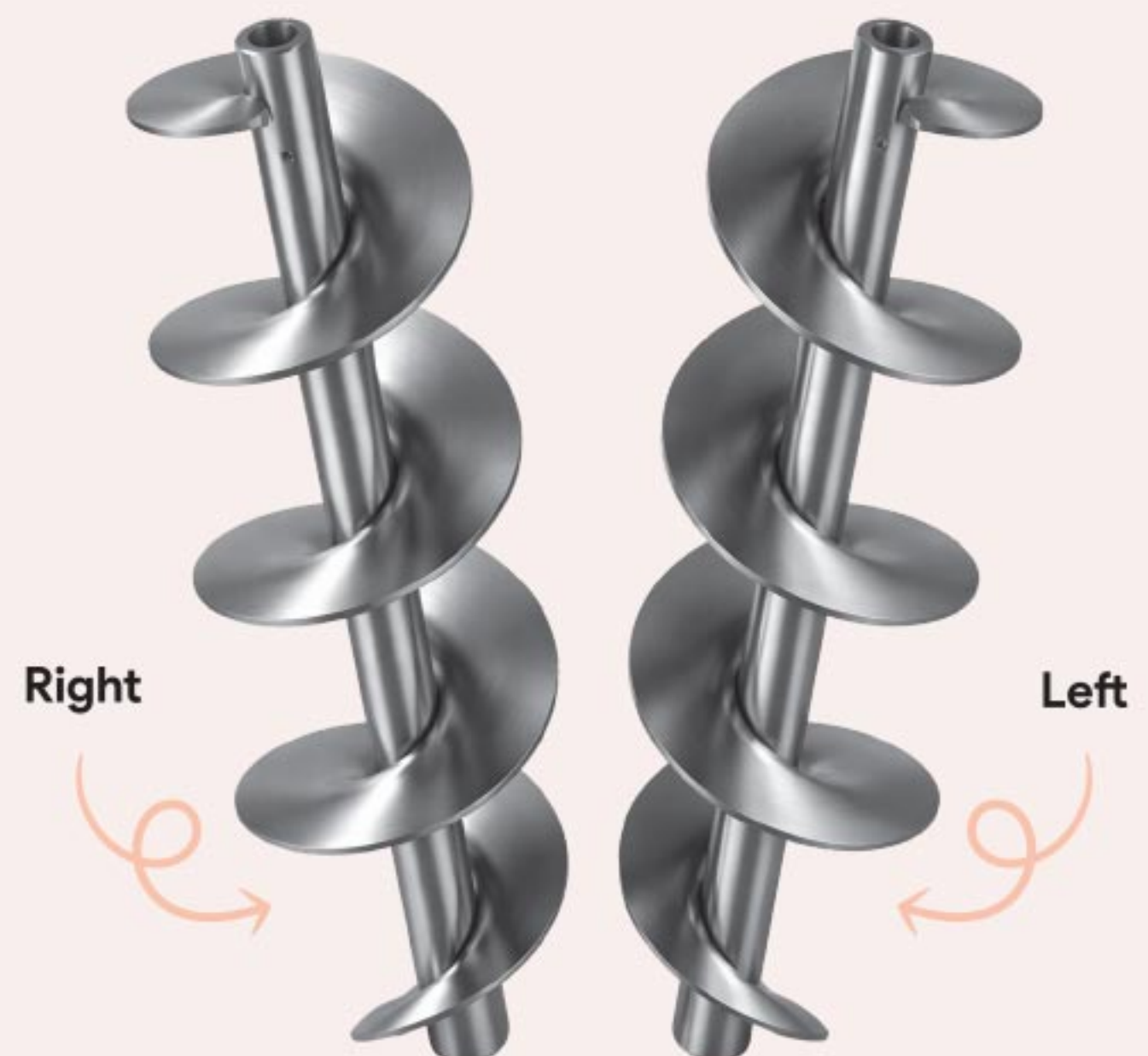
MS CONTINUOUS SCREW FLIGHT SIZE CHART

NO.	TYPE	OD	ID	PITCH	THICKNESS
1	RIGHT / LEFT	70	33	70	3-4
2	RIGHT / LEFT	100	33	100	3-4
3	RIGHT / LEFT	125	42	125	3-4
4	RIGHT / LEFT	150	42	150	4-5
5	RIGHT / LEFT	175	42	175	4-5
6	RIGHT / LEFT	200	48-60	200	4-5
7	RIGHT / LEFT	250	60-76	250	4-5
8	RIGHT / LEFT	300	76	300	5
9	RIGHT / LEFT	320	89	320	5
10	RIGHT / LEFT	350	114	350	5
11	RIGHT / LEFT	400	114	400	5
12	RIGHT / LEFT	450	141	450	5
13	RIGHT / LEFT	500	141	500	5



SS CONTINUOUS SCREW FLIGHT SIZE CHART

NO.	TYPE	OD	ID	PITCH	THICKNESS
1	RIGHT / LEFT	70	33	70	3
2	RIGHT / LEFT	90	33	90	4
3	RIGHT / LEFT	100	42	100	4
4	RIGHT / LEFT	125	42	125	4
5	RIGHT / LEFT	150	42	150	4
6	RIGHT / LEFT	175	42	175	4
7	RIGHT / LEFT	190	60	190	4
8	RIGHT / LEFT	200	48-60	200	4
9	RIGHT / LEFT	240	76	240	4
10	RIGHT / LEFT	250	76	250	4
11	RIGHT / LEFT	300	76	300	4

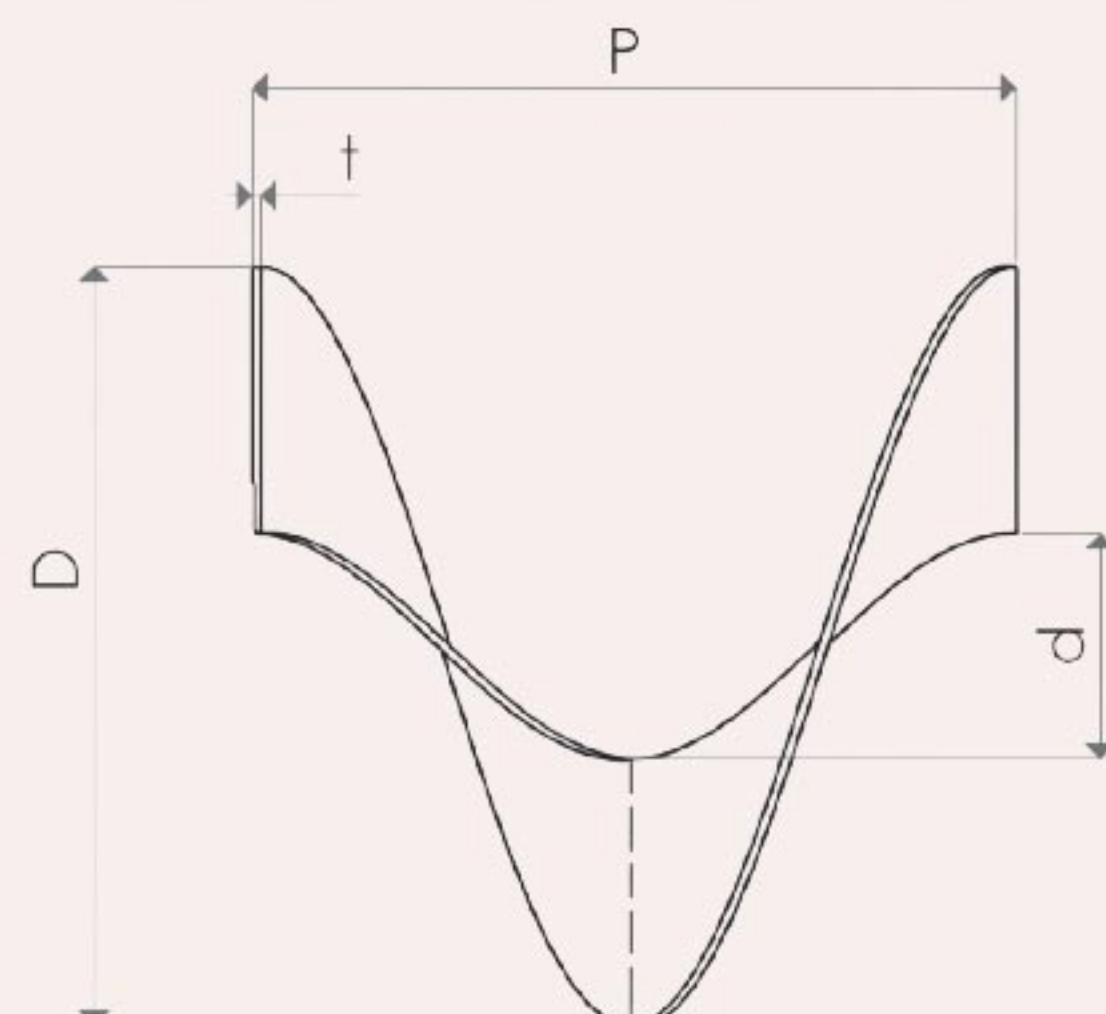


SCREW SEGMENT / AUGER

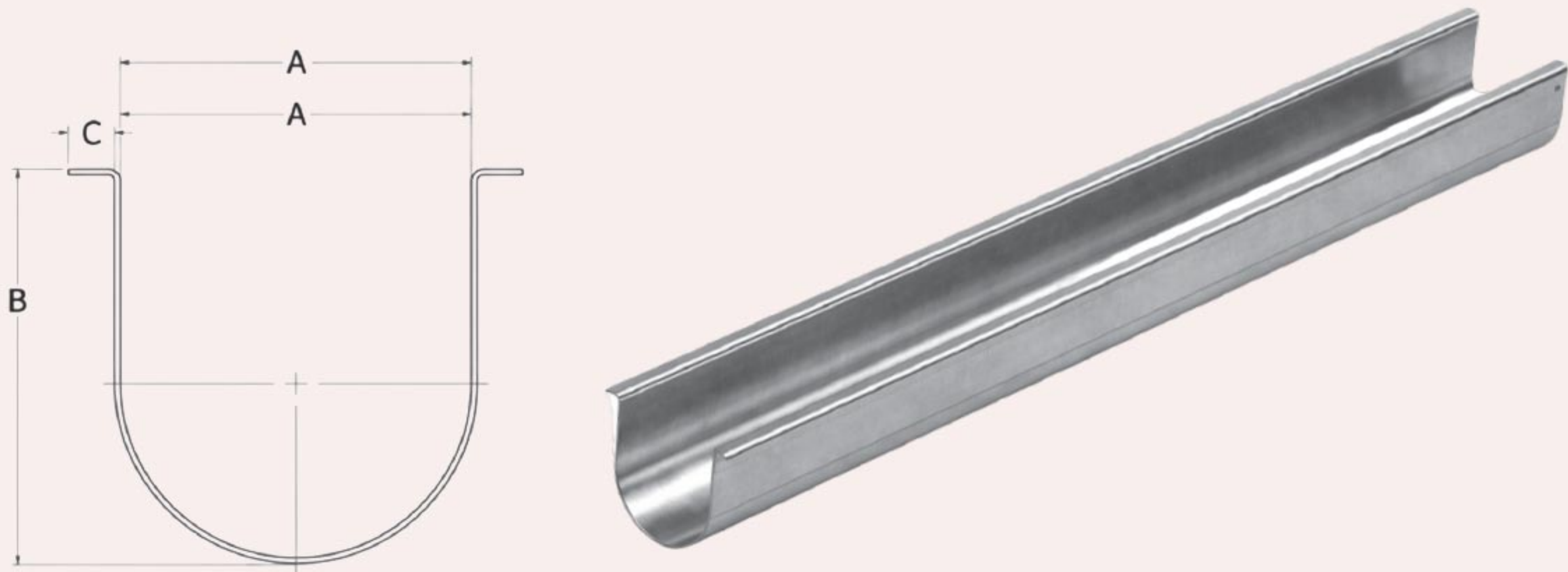
PARTICULAR	OD	ID	PITCH	THICKNESS	TYPE
MINIMUM	50	20	50	3	RIGHT / LEFT
MAXIMUM	1800	1200	1200	40	RIGHT / LEFT

MATERIAL OF CONSTRUCTION (MOC)

Mild Steel (MS)	Stainless Steel (SS) 410
Stainless Steel (SS) 202	Stainless Steel (SS) 310
Stainless Steel (SS) 304/304L	MS Carbon Steel
Stainless Steel (SS) 316/316L	Hardox



U TROUGH SIZE CHART							
Model	Helical Diameter (mm)	Trough Length (mm)	Thickness (mm)	A (mm)	B (mm)	C (mm)	D (mm)
TC-150	150	2440	2	180	120	30	240
TC-175	175	2440	2	205	150	30	265
TC-200	200	2440	2/2.5/3	230	150	40	310
TC-250	250	2440	2/2.5/3	280	225	40	360
TC-300	300	2440	3/4	330	250	40	410
TC-350	350	2440	3/4	380	250	60	500
TC-400	400	2440	4/5	440	275	60	560
TC-450	450	2440	4/5	490	300	60	610
TC-500	500	2440	4/5	540	325	60	660
TC-550	550	2440	4/5/6/8	590	375	60	710
TC-600	600	2440	4/5/6/8	640	400	60	760



Capability to Handle Special & Challenging Materials



Powdered Milk



Copper Sulfate



Drilling Sludge



Ammonium Sulfate



Bread Crumbs



Silica Gel



Hay



Quartz



Almonds



Grass

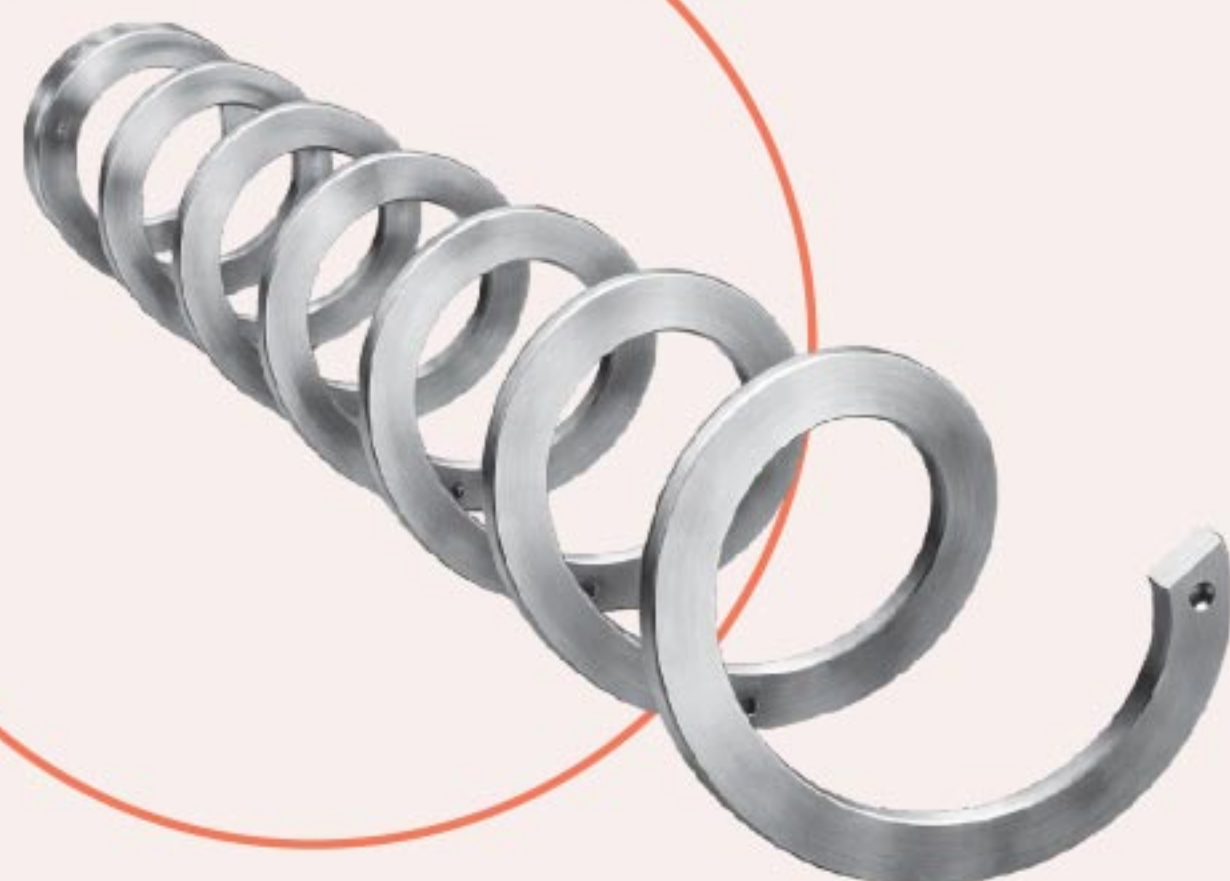
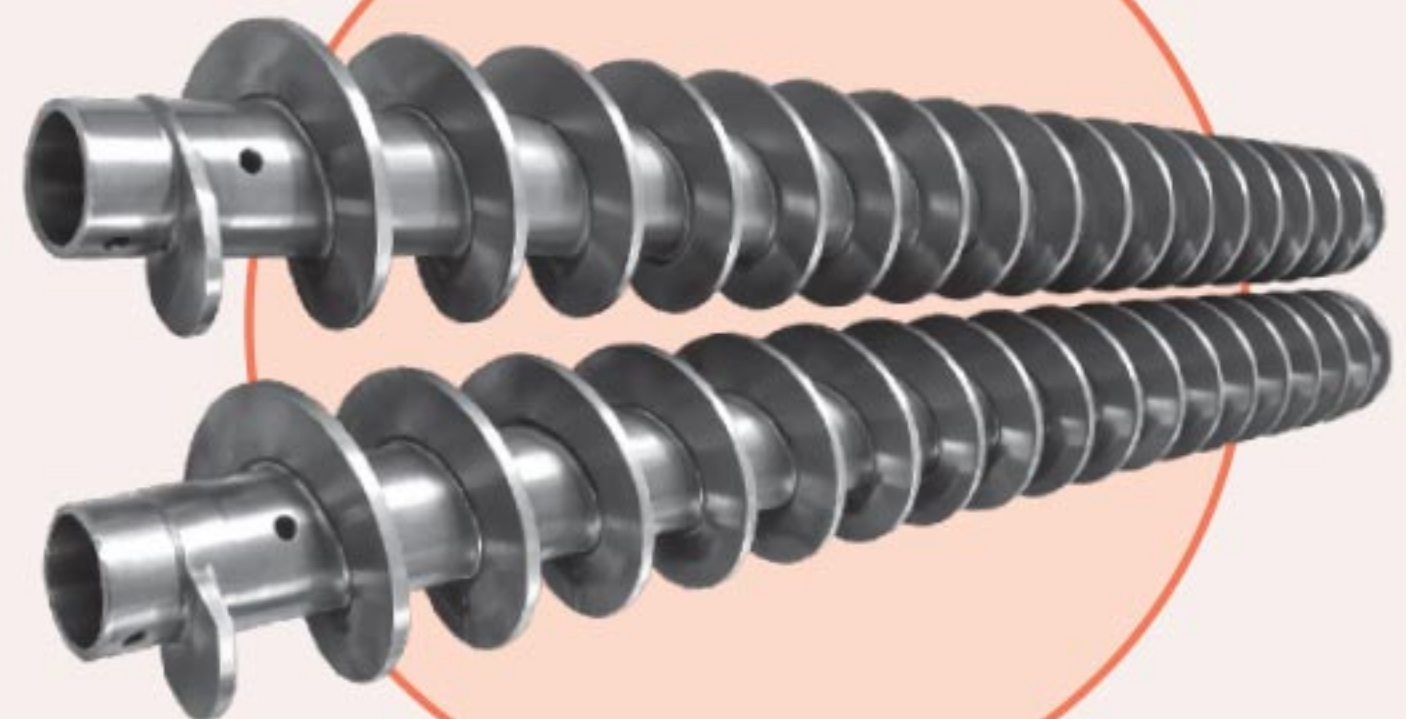
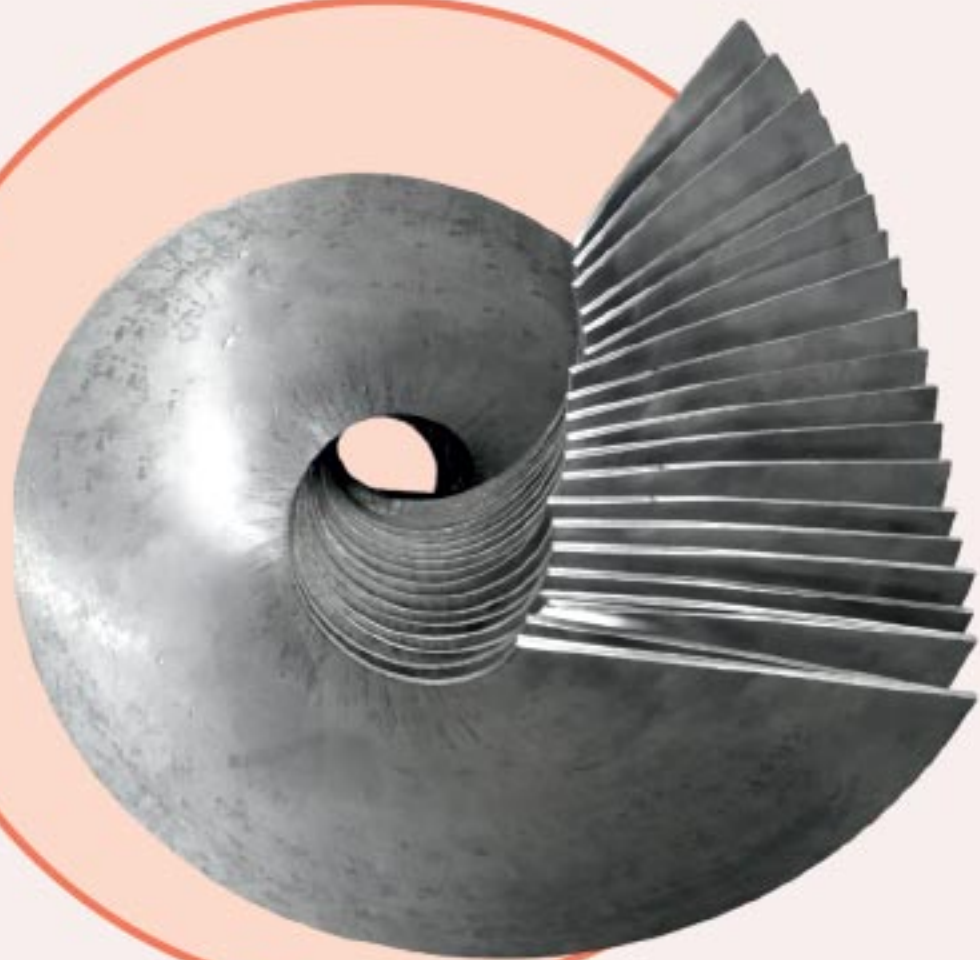
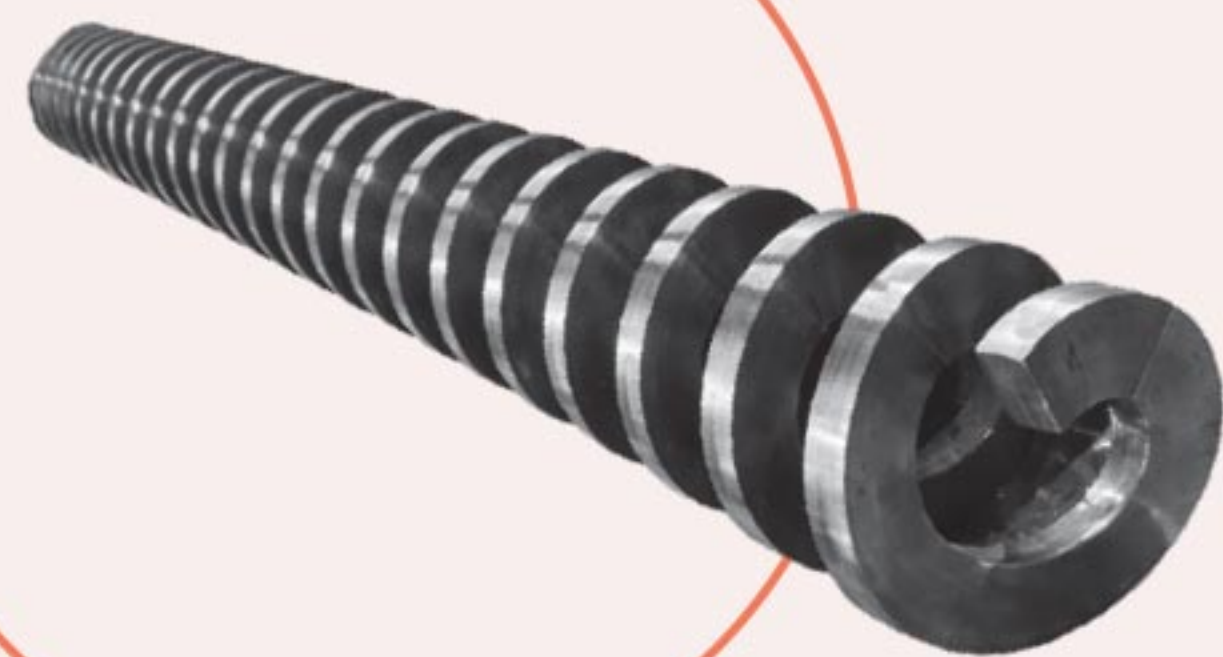
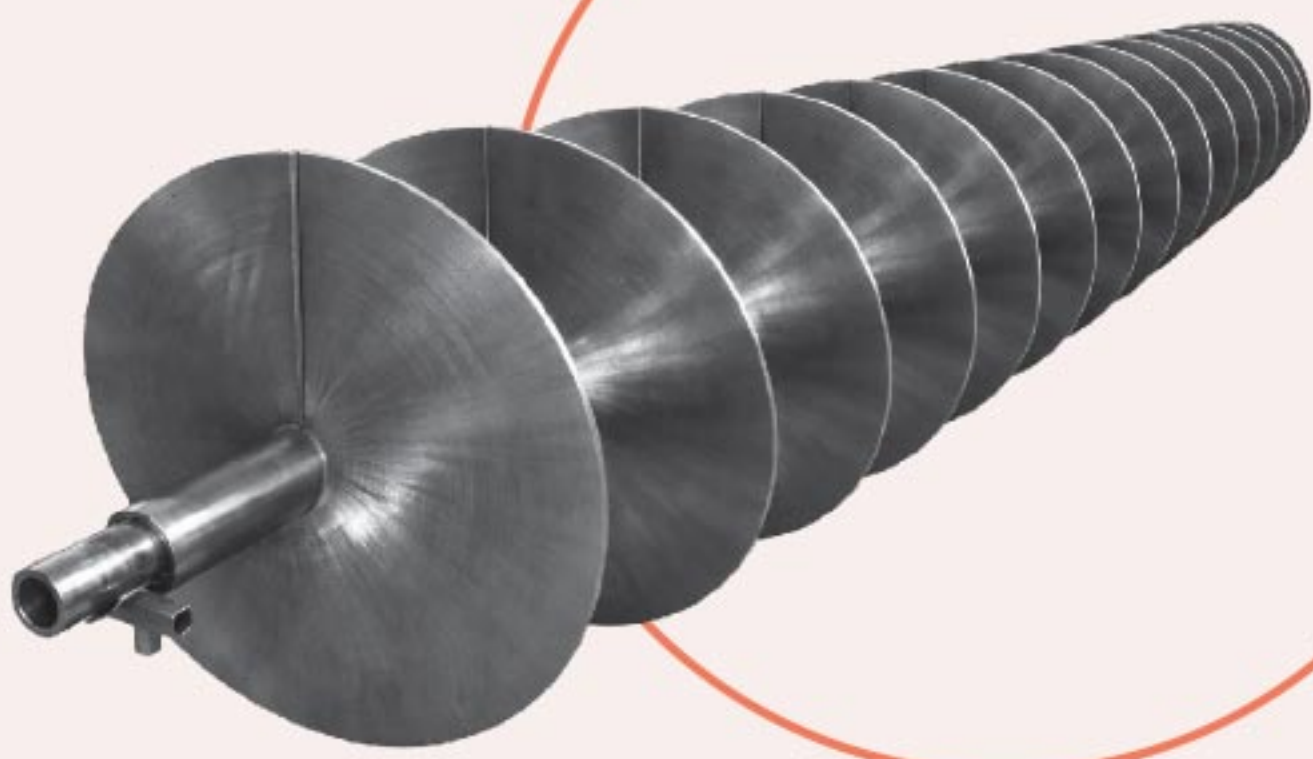
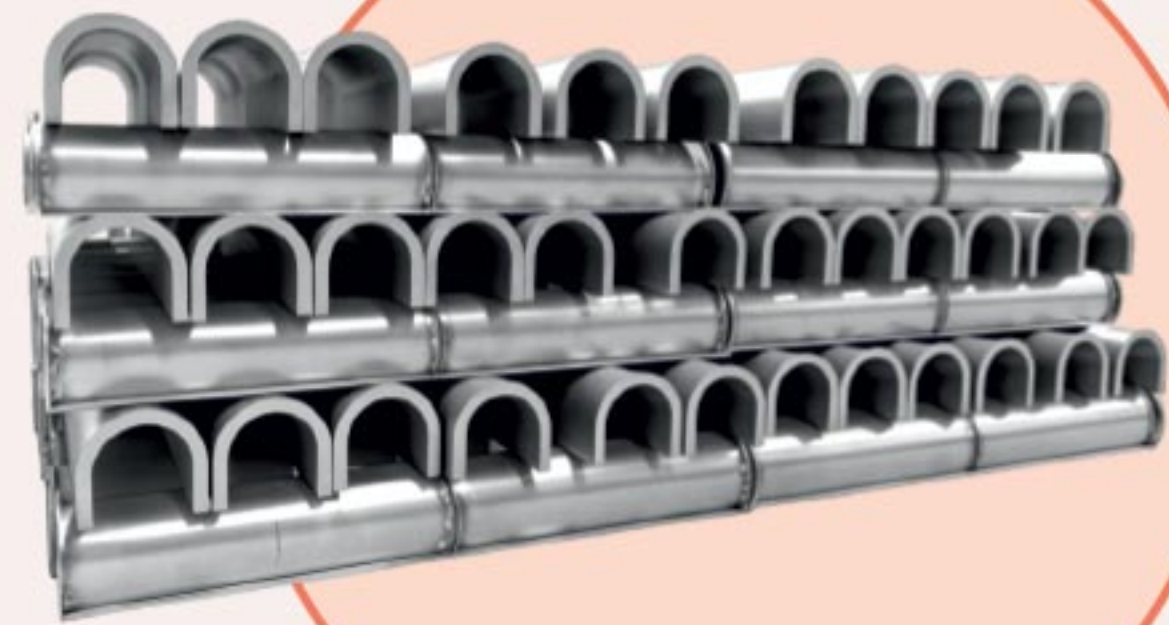


Rice Grits

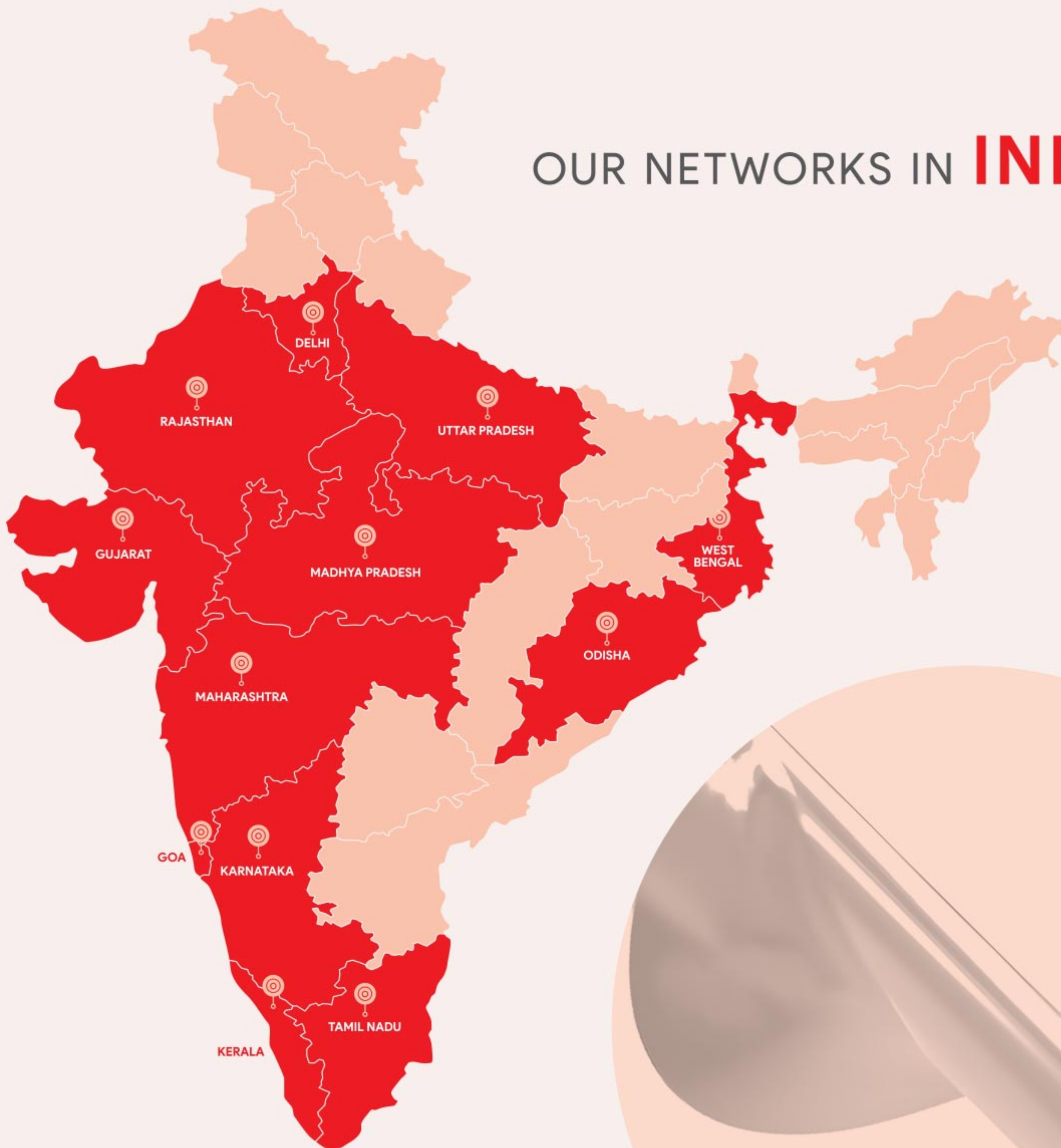


Wood Bark

Product Highlights



OUR NETWORKS IN **INDIA**



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SCAN FOR LOCATION