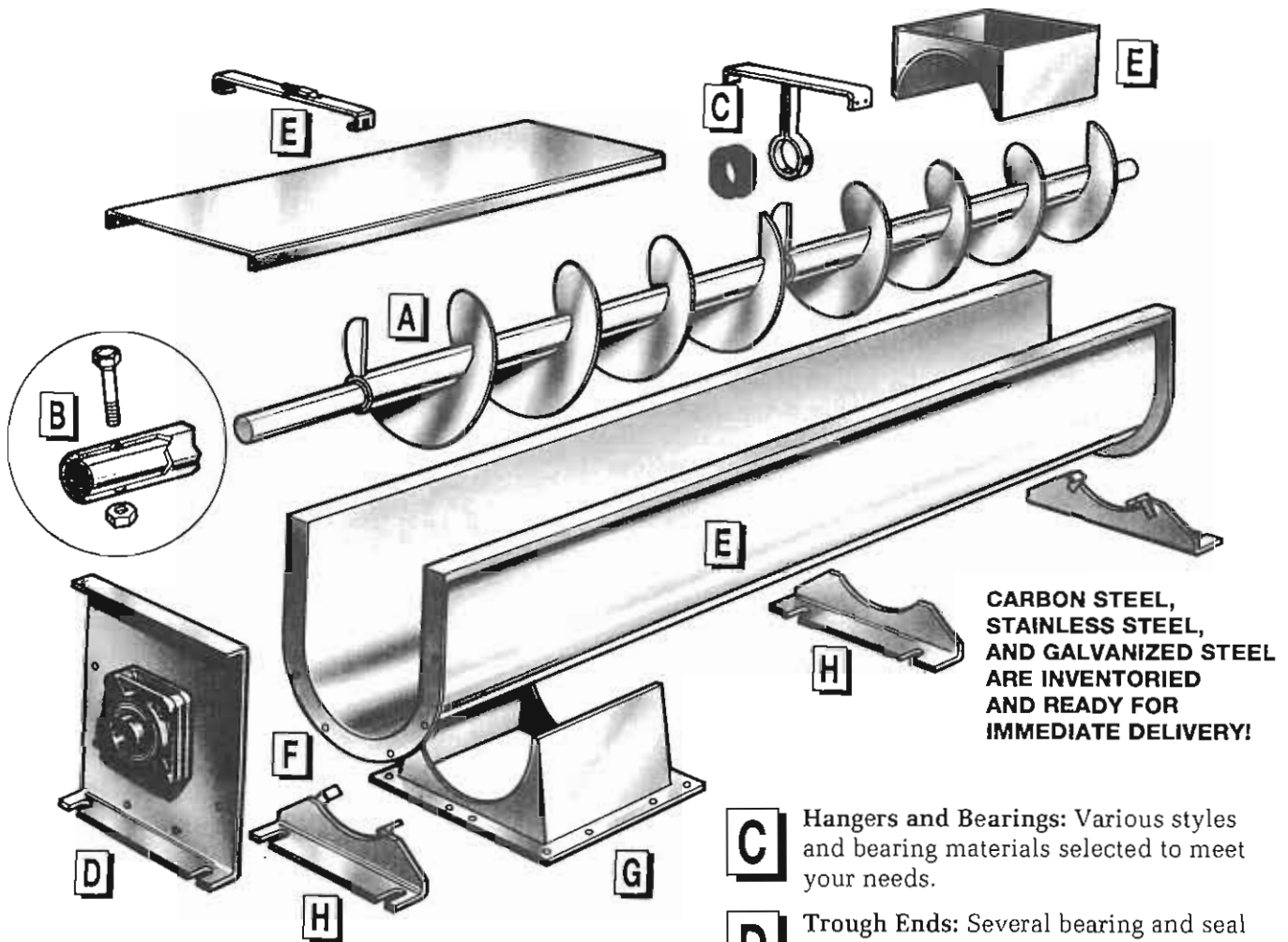


A Wide Choice of Standard Parts

You get the system you need to solve your problem — yet keep cost at a minimum.



**CARBON STEEL,
STAINLESS STEEL,
AND GALVANIZED STEEL
ARE INVENTORIED
AND READY FOR
IMMEDIATE DELIVERY!**

A **Conveyor Screw:** Compact, manufactured straight and accurate in helicoid, sectional, ribbon and special designs to meet your requirements.

B **Job-Rated Components:** Selected to meet the performance required. Precisely worked to insure a longer lasting, truer running unit.

Jig-Drilled Couplings: Assures easy shaft alignment and assembly. Available with "Redi-Change" clamping key for quick disassembly of conveyor screw.

Tem-U-Lac Self-Locking Coupling Bolts: Guards against system damage and costly down-time caused by coupling bolts or nuts working loose.

C **Hangers and Bearings:** Various styles and bearing materials selected to meet your needs.

D **Trough Ends:** Several bearing and seal styles are available to match your needs.

E **Troughs, Covers, Clamps and Shrouds:** Ruggedly constructed standard "U" and other styles of troughs including tubular. Covers, clamps and shrouds available for all applications.

F **Nu-Weld® Flange:** Continuously welded steel flange holds trough in alignment.

G **Discharge Spouts:** All types available... located where you need them...with hand, electric, hydraulic or pneumatic powered gates.

H **Supporting Feet and Saddles:** Align and fasten the trough to the floor or existing structure.

Helicoid Conveyor Screws

DIMENSIONS IN INCHES AND AVERAGE WEIGHTS IN POUNDS

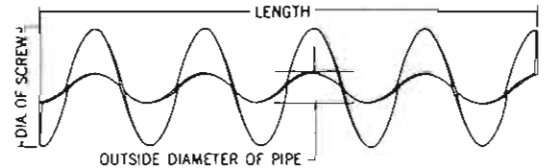
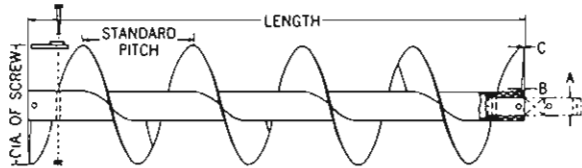
● Dia. of Screw	▲ Size Code	Length of Std. Section	Std. Length Mounted Conveyor			Std. Length Flighting Only			Thickness of Flight		Nominal Pipe I.D.	Outside Dia. of Pipe	Dia. of Coupling "A"
			Part No. Right Hand	Part No. Left Hand	Weight Per Section	Part No. Right Hand	Part No. Left Hand	Weight Per Section	Next to Pipe "B"	Outer Edge "C"			
4"	4H204	9'10 1/2"	101-0214	111-0212	31	120-0146	125-0141	9.0	1/8	1/16	1 1/4	1 5/8	1
4"	4H206	9'10 1/2"	101-0354	111-0352	38	120-0211	125-0216	16.0	3/16	3/32	1 1/4	1 5/8	1
6"	6H304	9'10"	101-0420	111-0428	50	120-0286	125-0281	14.0	1/8	1/16	2	2 3/8	1 1/2
6"	6H308	9'10"	101-0495	111-0493	64	120-0351	125-0356	28.0	1/4	1/8	2	2 3/8	1 1/2
6"	6H312	9'10"	101-0560	111-0568	78	120-0427	125-0422	42.0	3/8	3/16	2	2 3/8	1 1/2
9"	9H306	9'10"	101-0636	111-0634	70	120-0567	125-0497	31.0	3/16	3/32	2	2 3/8	1 1/2
9"	9H312	9'10"	101-0701	111-0709	101	120-0633	125-0562	62.0	3/8	3/16	2	2 3/8	1 1/2
9"	9H406	9'10"	101-0776	111-0774	91	120-0708	125-0638	30.0	3/16	3/32	2 1/2	2 3/8	2
9"	9H412	9'10"	101-0842	111-0840	121	120-0773	125-0703	60.0	3/8	3/16	2 1/2	2 3/8	2
9"	9H414	9'10"	101-0917	111-0915	131	120-0849	125-0778	70.0	3/16	1/32	2 1/2	2 3/8	2
10"	10H306	9'10"	101-0982	111-0980	81	120-0914	125-0844	42.0	3/16	3/32	2	2 3/8	1 1/2
10"	10H412	9'10"	101-1055	111-1053	130	120-0989	125-0919	69.0	3/8	3/16	2 1/2	2 3/8	2
12"	12H408	11'10"	101-1121	111-1129	140	120-1052	125-0984	67.0	1/4	1/8	2 1/2	2 3/8	2
12"	12H412	11'10"	101-1196	111-1194	175	120-1126	125-1057	102.0	3/8	3/16	2 1/2	2 3/8	2
12"	12H508	11'9"	101-1261	111-1269	168	120-1193	125-1123	64.0	1/4	1/8	3	3 1/2	2 1/16
12"	12H512	11'9"	101-1337	111-1335	200	120-1268	125-1198	96.0	3/8	3/16	3	3 1/2	2 1/16
12"	12H614	11'9"	101-1402	111-1400	216	120-1334	125-1263	112.0	7/16	1/32	3 1/2	4	3
14"	14H508	11'9"	101-1477	111-1475	170	120-1409	125-1339	84.0	1/4	1/8	3	3 1/2	2 1/16
14"	14H614	11'9"	101-1543	111-1541	236	120-1474	125-1404	132.0	7/16	1/32	3 1/2	4	3
16"	16H610	11'9"	101-1618	111-1616	228	120-1540	125-1479	120.0	3/16	5/32	3 1/2	4	3
16"	16H614	11'9"	101-1758	111-1756	267	120-1680	125-1610	163.0	7/16	1/32	4	4 1/2	3
18"	18H610	11'9"	101-1899	111-1897	292	120-1755	125-1685	144.0	5/16	5/32	4	4 1/2	3
20"	20H610	11'9"	101-1949	111-1947	298	120-1854	125-1701	150.0	3/16	3/32	4	4 1/2	3

● The pitch of flighting approximately equals conveyor diameter.

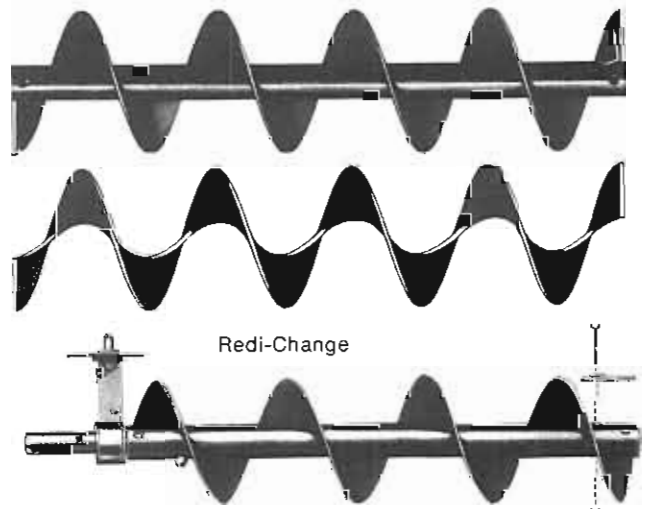
▲ For convenience in specifying listed Helicoid Conveyor Screw, Size Codes have been established to designate the type of Conveyor Screw and flighting, pipe and coupling shaft specifications. The figure at the left of the letter indicates the diameter of the Conveyor Screw, the letter H (for Helicoid) designates the type; the first figure following the letter is twice the coupling diameter and the last two figures the nominal thickness of the flighting at the outer edge in 1/64".

■ When ordering, specify whether right or left hand, also length desired. Example: 9H306 RH - 9'10" or 9H306 LH - 5'6".

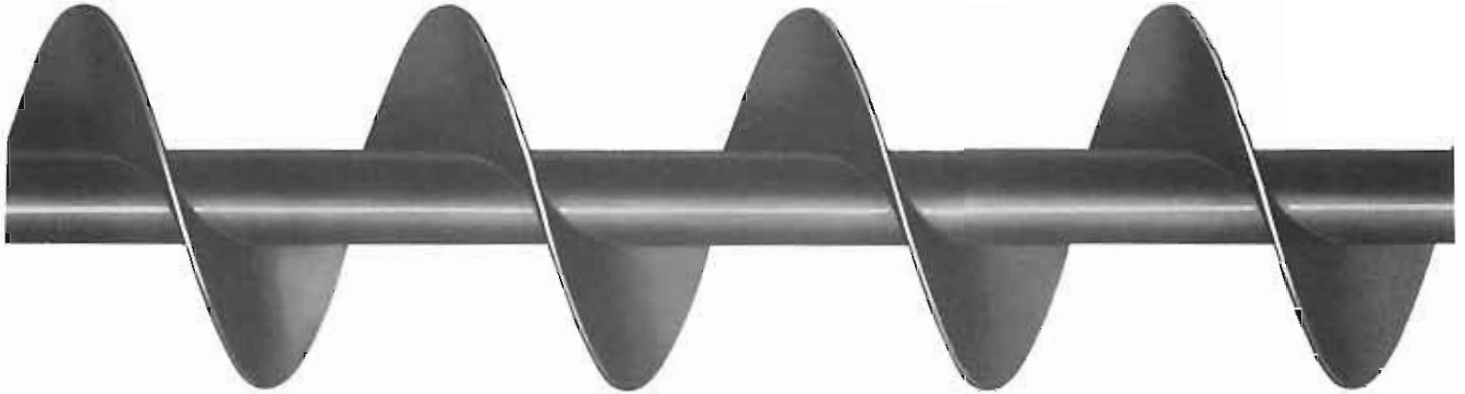
Consult us for Helicoid Conveyor Screws with heavy pipe or special coupling diameters.



Cold rolling of special analysis strip steel into a continuous helix produces a work-hardened, smoothly finished flighting surface. Helicoid flighting is of superior strength with its diameter, pitch and thickness closely controlled. The flighting is then normally fastened to the pipe by intermittent welds and welded steel end lugs. They may be continuously welded on either one or both sides. The pipe has seamless internal collars inserted in both ends of the pipe to accommodate the shafts. Helicoid and Sectional flighting of the same diameter and shaft size are interchangeable.



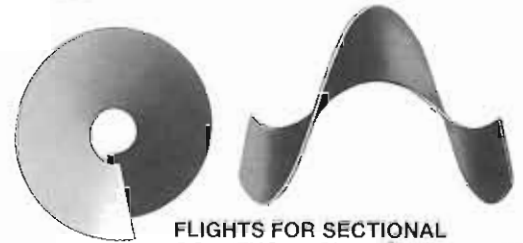
Conveyor Screws and Flights-Hangers and Bearings



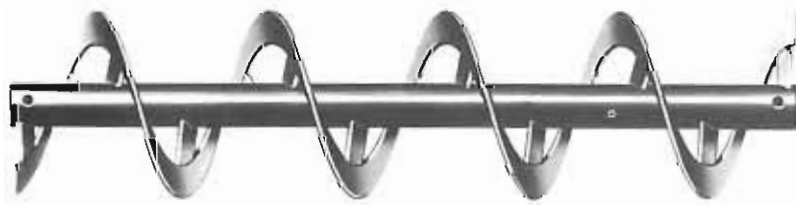
HELICOID CONVEYOR SCREWS UP THRU 20"



FLIGHTING FOR HELICOID CONVEYOR SCREWS



FLIGHTS FOR SECTIONAL CONVEYOR SCREWS UP THRU 30"



RIBBON CONVEYOR SCREWS

We have all the pieces to put together an answer to your bulk material conveying problem. Screw conveyors handle almost any bulk material efficiently and they do it economically compared to other methods. Compact, they fit into tight places, with moving parts enclosed. They're easy to install and simple to maintain. You can run them horizontally, on an incline, and, with our Screw-Lift[®], straight up.

We can meet your application needs in helicoïd and sectional flight types with adaptations including ribbon, special pitches and tapered – in various gauges of steel, stainless steel and other alloys, including hardened flight surfaces.



REDI-CHANGE QUICK DISCONNECT CONVEYOR SCREWS

The Redi-Change feature allows you to perform conveyor screw changes and repairs without dismantling the entire conveyor. This feature is available on all types of conveyor screws (not available in 1" shafts).



COUPLINGS



TEM-U-LAC[®] COUPLING BOLTS

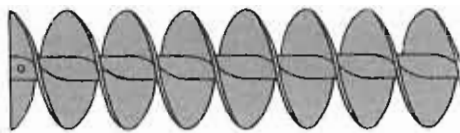


PIPE BUSHINGS

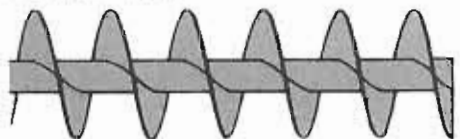


END LUGS

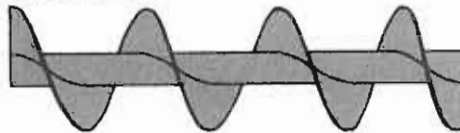
SPECIAL CONVEYOR SCREW DESIGNS



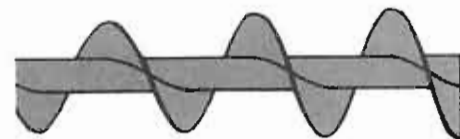
DOUBLE FLIGHT



SHORT PITCH



VARIABLE PITCH



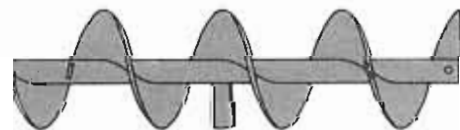
TAPERED DIAMETER



CUT FLIGHTS



CUT AND FOLDED



MIXING PADDLES (welded or adjustable)



PADDLE CONVEYOR

HANGERS AND REPLACEMENT HANGER BEARINGS



STYLE NO. 220



STYLE NO. 226



STYLE NO. 230



STYLE NO. 216



EXPANSION
STYLE NO. 326



STYLE NO. 260



STYLE NO. 270



FLARED TROUGH HANGER



BEARING FOR
STYLE 220, 226, 326 HANGER



BEARING FOR
STYLE 216, 230 HANGERS



BEARING FOR
STYLE 260, 270 HANGERS

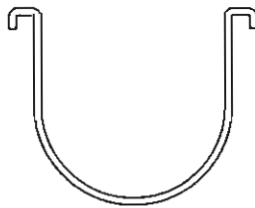
The style 226-Hanger is the most popular since it mounts completely inside the trough and is more suitable for use with dust tight or weather tight covers.

Standard bearings are Babbitt, hard iron, wood, bronze and nylon or Nylatron. Available on special order are Ni-Hard, Bronze Oilite, Gatke, Stellite Bushed, Teflon and many other bearing materials.

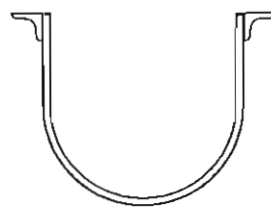
Troughs and Trough Ends



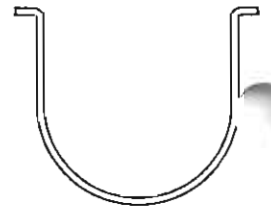
Troughs are available in sizes up to 30" and in gauges up to 3/8" thick. They can be formed of stainless steel or other alloys. Nu-Weld® end flanges are continuously jig-welded on each end to assure alignment and tight connecting joints. If supporting feet are needed, they are spaced at the flange joints. Trough saddles are also available.



DOUBLE FLANGED TROUGH



ANGLE TROUGH



SINGLE FLANGED

SPECIAL TROUGH DESIGNS



FLARED TROUGH



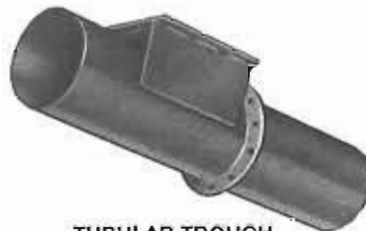
CHANNEL TROUGH



JACKETED TROUGH



DROP BOTTOM TROUGH



TUBULAR TROUGH

Troughs may be furnished in a variety of materials including stainless steel, galvanized, monel or other alloys. Covers are usually bolted on or furnished with screw or spring clamps and may be flat for interior or hip roof for exterior installations. Piano hinges are also available.

TROUGH END DESIGNS



STYLE NO. 100



STYLE NO. 101



DISCHARGE TROUGH END
STYLE NO. 104 AND 107

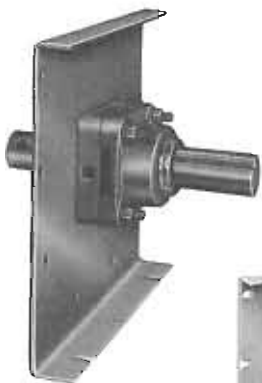


BOLT ON SHELF
(Bolts to existing trough ends)



FLARED TROUGH END
STYLE NO. 114 AND 115

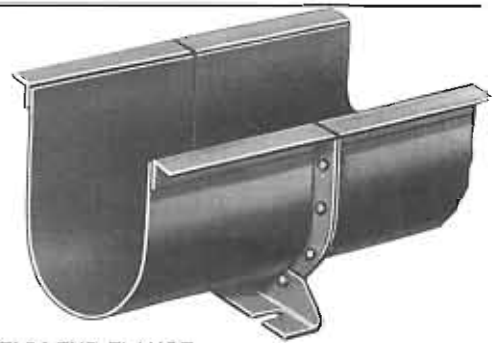
CHEVRON ROLLER BEARING END THRUST WITH TROUGH END



ANTI-FRICTION STYLE NO. 102
PICTURED WITHOUT SEAL



ANTI-FRICTION STYLE NO. 103
PICTURED WITH PACKING SEAL



NU-WELD® END FLANGE

Nu-Weld® end flanges are made of heavy-gauge steel to assure close accurate fit with the conveyor trough and the trough ends of the following end flange. Bolt holes are jig-punched to assure accurate alignment.



SADDLES AND FEET



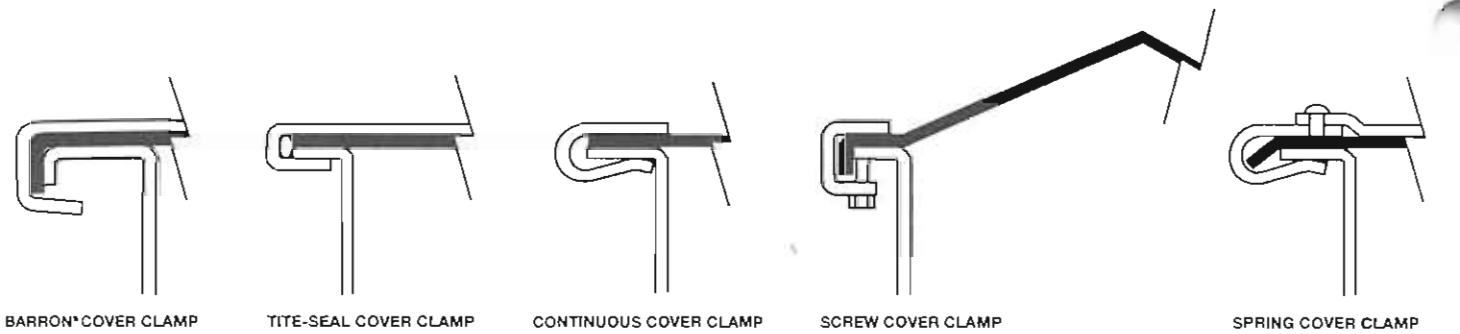
TROUGH END SEALS



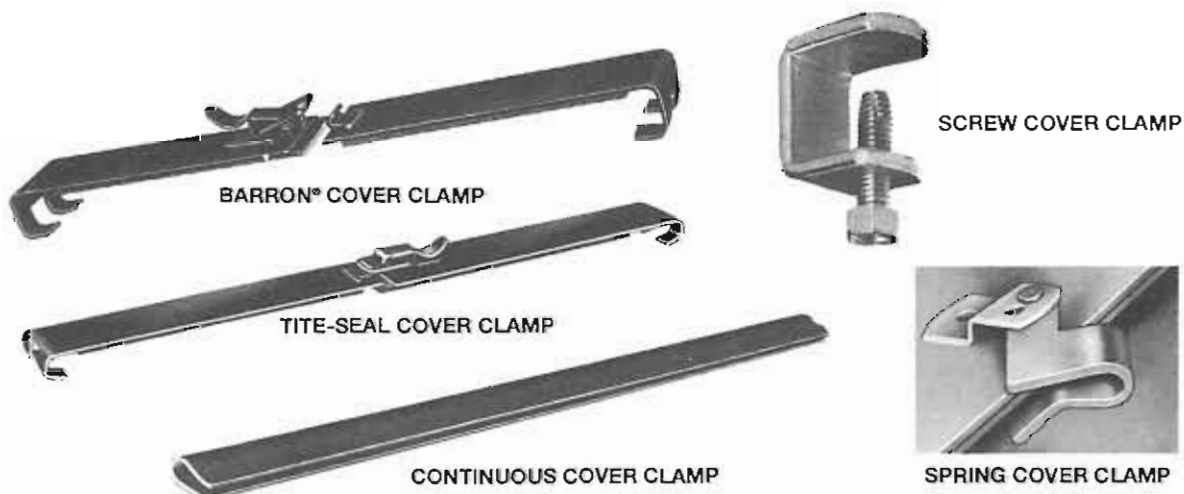
Trough Covers - Shrouds - Cover Clamps



Note: Standard designs are not intended to be weather, rain, air, or pressure tight. For special design requirements, contact your nearest sales office.



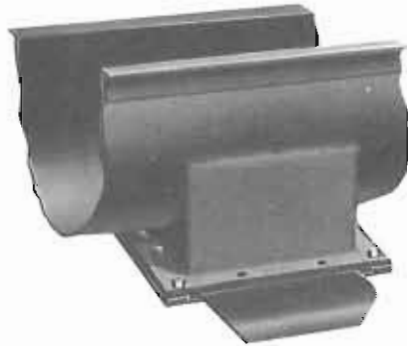
TROUGH COVER CLAMPS



Feed and Discharge Spouts



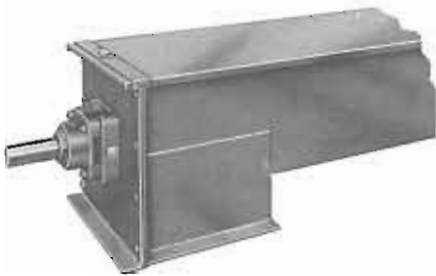
PLAIN FEED OPENING



DISCHARGE WITH FLAT-HAND SLIDE



PLAIN DISCHARGE



FLUSH END DISCHARGE



FEED SPOUT



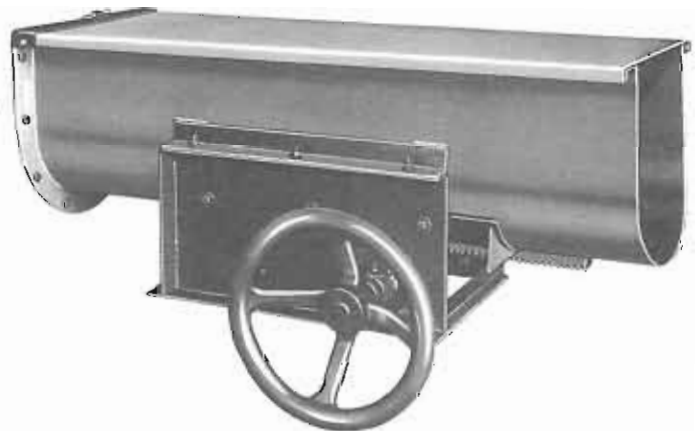
DISCHARGE WITHOUT SLIDE

RACK AND PINION GATES

Rack and pinion gates have cut tooth racks welded to the slide plate. This engages a cut tooth pinion mounted on a pinion shaft. Gate may be operated by hand wheel, chain wheel or power operated by electric motors, air or hydraulic cylinders.



FLAT SLIDE

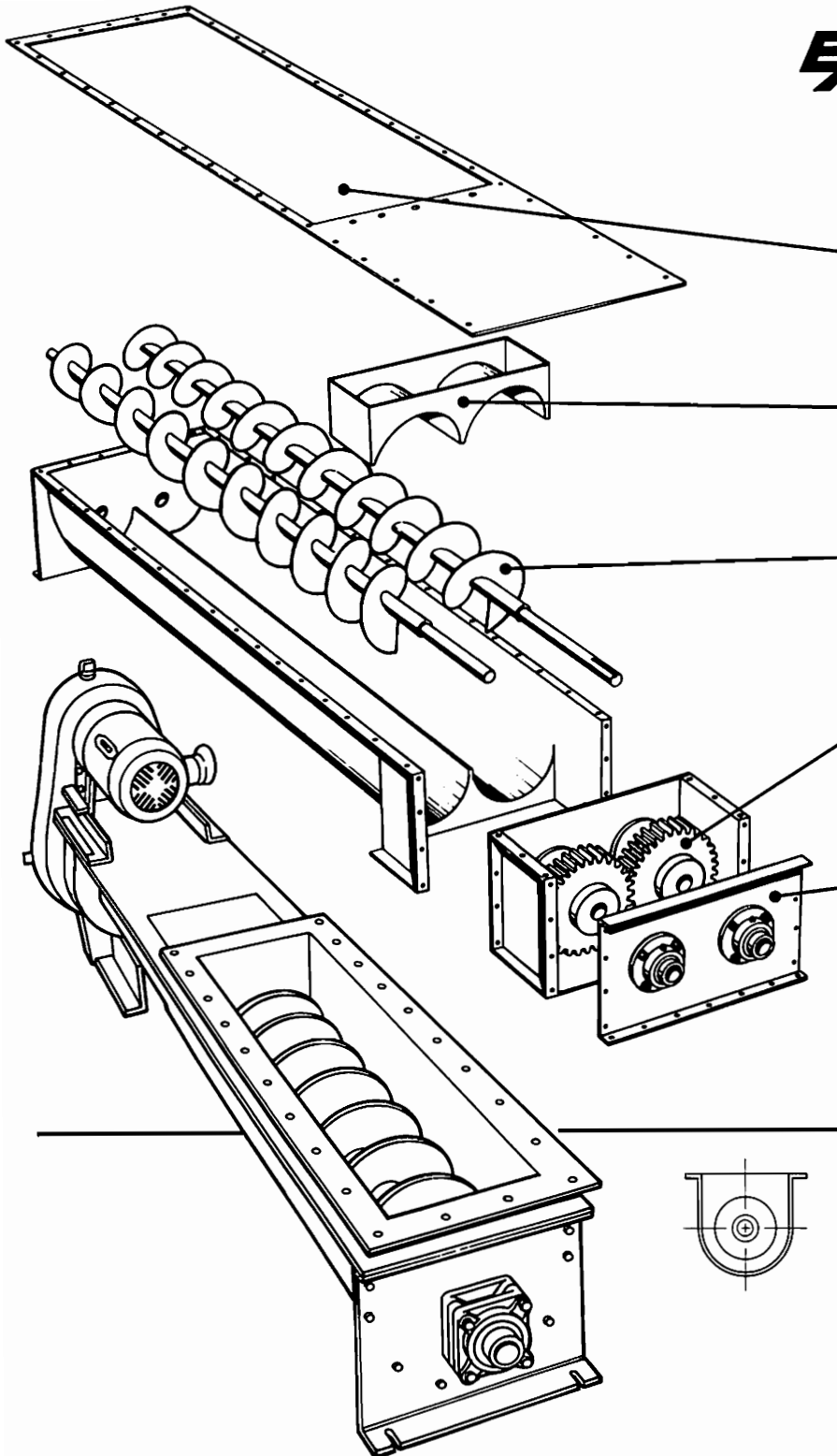


CURVED SLIDE



EXACTA-FLO

VOLUMETRIC SCREW CONVEYORS
QUALITY COMPONENTS



SIZED INLETS

Exacta-Flo openings are specially sized and designed to match your bin or hopper. No hang ups. No slow downs. Just a perfect fit for efficient operation.

ANTI-FLOODING SHROUD

Precision shroud fittings keep Exacta-Flo conveyors loaded to maximum moveable flows without flooding. The result: capacity you control.

TAPERED OR VARIABLE PITCH SCREWS

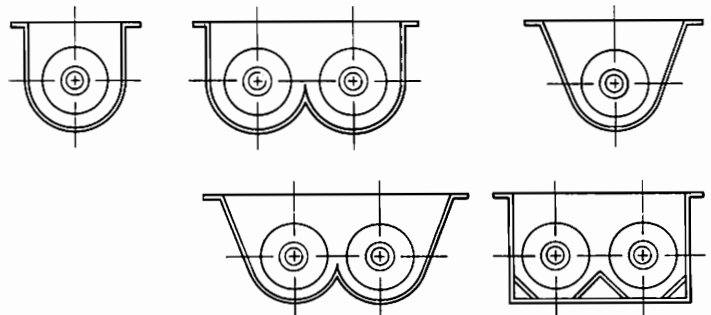
Exacta-Flo offers a choice of screw configurations to fit your particular requirements. Whatever the need, Exacta-Flo offers a taper or pitch to allow for even draw off material.

SYNCHRONIZED GEARS

No more freeze ups. Exacta-Flo's oil-bath synchronized spur gear design allows for constant controlled rotation for even flow throughout long term operation.

TROUGH ENDS TO FIT YOUR NEED

Normally available with Chevron® bearings. Exacta-Flo also has a variety of trough ends with various bearings and seals available to meet your particular requirements.



EXACTA-FLO CAN BE CUSTOM DESIGNED

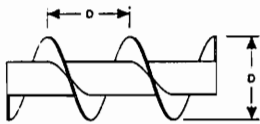
Exacta-Flo Screw Feeders are used primarily for short move operations, usually from hopper bins or storage units. They operate on a 100% load capacity principle, and can be custom adapted with single or multiple screws,

variable or stepped pitch, or in different diameters to handle specific applications.

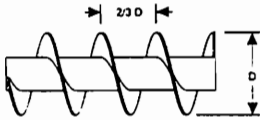
Whatever the material, whatever the capacity or hopper size, Exacta-Flo offers a variety of component designs to fit your application.

Basic Conveyor Flight and Pitch Types

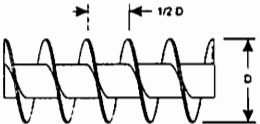
STANDARD PITCH, SINGLE FLIGHT



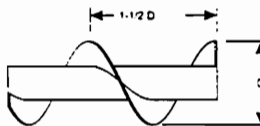
SHORT PITCH, SINGLE FLIGHT



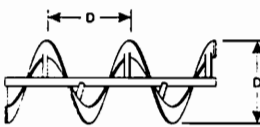
HALF PITCH, SINGLE FLIGHT



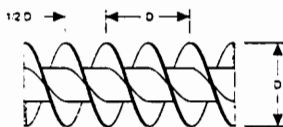
LONG PITCH, SINGLE FLIGHT



SINGLE FLIGHT, RIBBON



STANDARD PITCH, DOUBLE FLIGHT



STANDARD PITCH, SINGLE FLIGHT

Conveyor screws with pitch equal to screw diameter are considered standard. They are suitable for a wide range of materials in most conventional applications.

SHORT PITCH, SINGLE FLIGHT

Flight pitch is reduced to 2/3 diameter. Recommended for inclined or vertical applications. Used in screw feeders. Shorter pitch retards flushing of materials which fluidize.

HALF PITCH, SINGLE FLIGHT

Similar to short pitch, except pitch is reduced to 1/2 standard pitch. Useful for vertical or inclined applications, for screw feeders and for handling extremely fluid materials.

LONG PITCH, SINGLE FLIGHT

Pitch is equal to 1-1/2 diameters. Useful for agitating fluid materials or for rapid movement of very free-flowing materials.

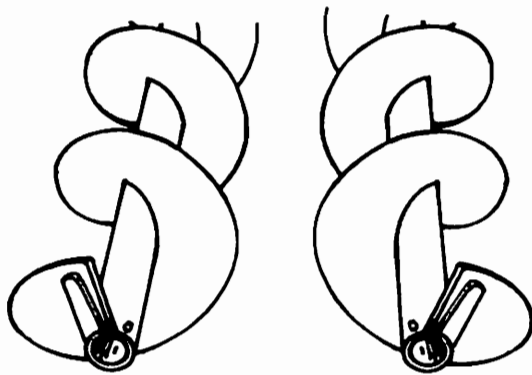
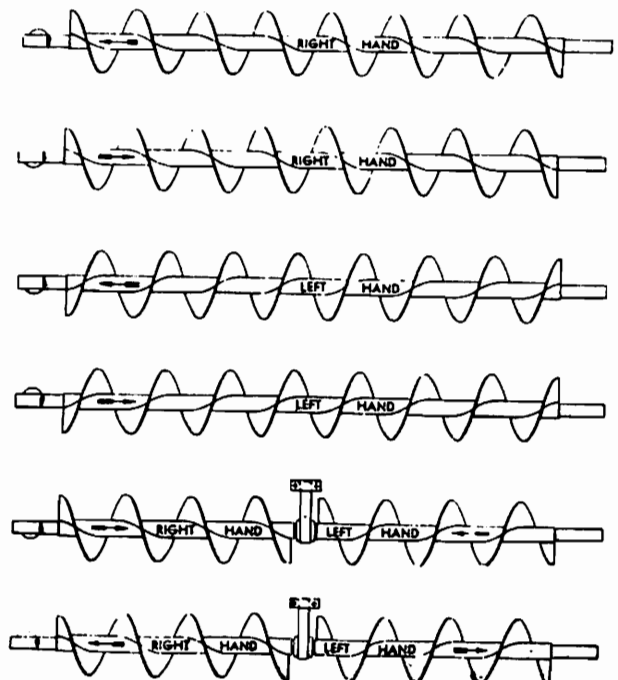
SINGLE FLIGHT RIBBON

Excellent for conveying sticky or viscous materials. Open space between flighting and pipe eliminates collection and build-up of the material.

STANDARD PITCH, DOUBLE FLIGHT

Standard pitch, double flight screws provide smooth, regular material flow and uniform movement of certain types of materials.

"HAND" OF CONVEYOR



LEFT HAND

RIGHT HAND