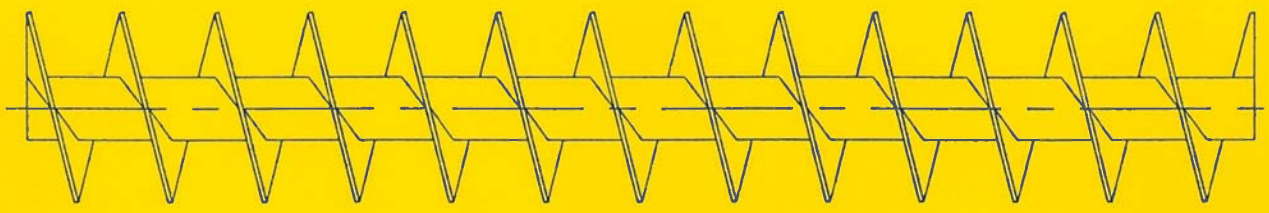
CPC 9601

INDUSTRIAL SCREW CONVEYORS, INC.

SCREW CONVEYOR COMPONENT PARTS CATALOG



TO ALL RECIPIENTS OF THE PARTS BOOK: PLEASE READ THIS IMPORTANT ANNOUNCEMENT

This Parts Book is published periodically as a reference guide for use by Industrial Screw Conveyors, Inc. personnel and its customers.

The information in the Parts Book is subject to change without advance notice and should not be construed as a commitment by Industrial Screw Conveyors, Inc.

Industrial Screw Conveyors, Inc. assumes no responsibility for any errors that may appear in this Parts Book.

To verify current prices or obtain a firm quotation, contact your Industrial Screw Conveyors, Inc. Sales Representative.

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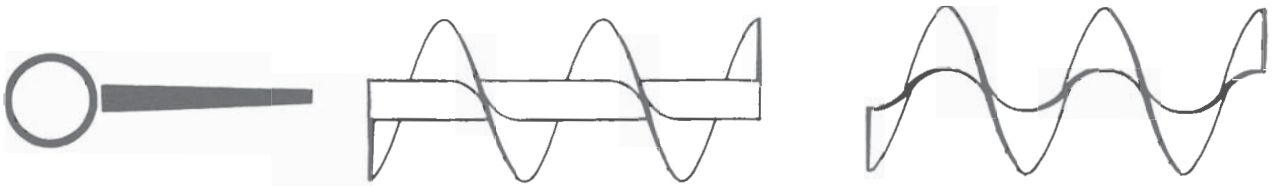


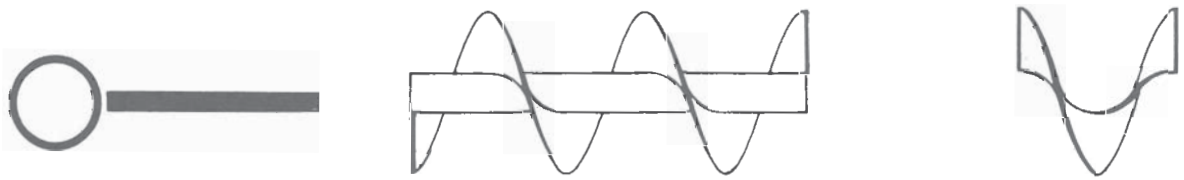
ISCI Helicoid Screw Conveyor is formed from continuous bar stock to required diameter, pitch and thickness by a special cold rolling process. This process provides a continuous one piece construction with a work-hardened, smooth finished flighting surface.

Helicoid Flighting is mounted on the pipe, or shaft, by intermittent welds and welded steel end lugs. The flighting may be continuously welded on either one or both sides.

The pipe ends are bushed with seamless internal collars inserted in both ends of the pipe to accommodate the shafts.

Helicoid flighting of special diameters and pipe sizes can be furnished upon request.

Sectional



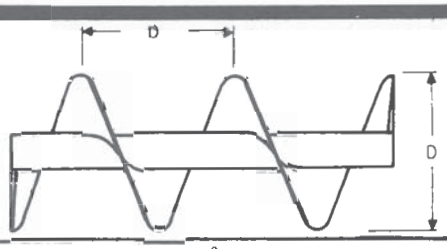
ISCI Sectional Screw Conveyors are individual flights, produced from blanked flat plates, and formed by a cold process into a helix. These flights are buttwelded together to form a continuous flight which is secured to the pipe, or shaft, by intermittent welds and welded steel end lugs. The flighting may be continuously welded on either one or both sides.

The pipe ends are bushed with seamless internal collars inserted in both ends of the pipe to accommodate the shafts.

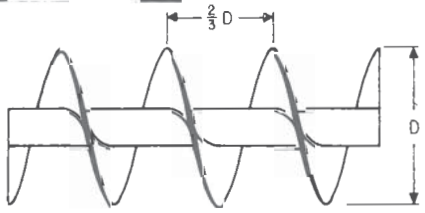
Sectional flight screw conveyors are available in special diameters, thicknesses, pitches, and pipe sizes.

Conveyor Screws — Special

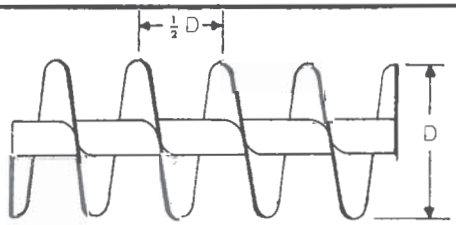
Single Flight Standard Pitch — Full Pitch
conveyor screws are considered to be standard and are used for the general conveying of most materials.



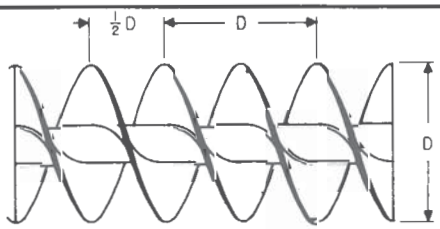
Single Flight Short Pitch — 2/3 Pitch
conveyor screws are frequently employed as feeders and are recommended for inclined conveyors in excess of 20 degrees.



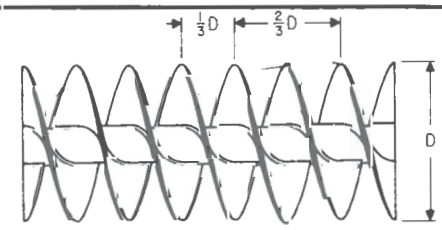
Single Flight Half Pitch
similar to short pitch, except pitch is reduced to 1/2 standard pitch. Useful for vertical or inclined applications, for screw feeders and for handling extremely fluid materials.



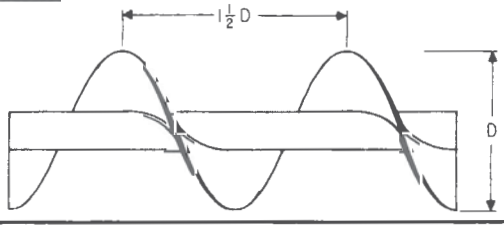
Double Flight Standard Pitch
conveyor screws are frequently required for smooth conveying and discharge of certain materials.



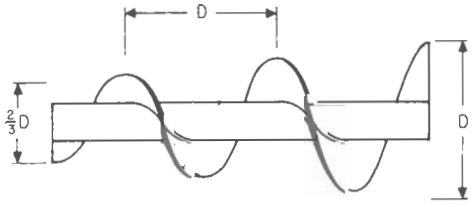
Double Flight Short Pitch
conveyor screws provide an even and regulated flow of materials with fluid characteristics.



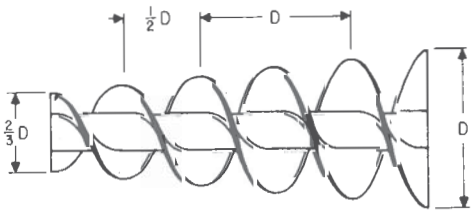
Single Flight Long Pitch
conveyor screws provide a means for the agitation of liquids or the rapid conveying of very free flowing materials.



Single Flight Standard Pitch Tapered
conveyor screws are employed for feeding lumpy material from storage. Withdrawal is uniform over full length of feed opening.

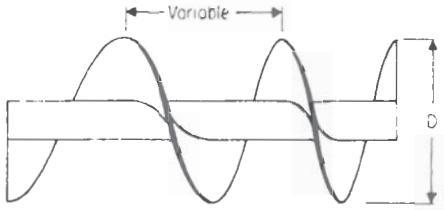


Double Flight Standard Pitch Tapered
conveyor screws are used for feeding free flowing materials from storage with uniform withdrawal for full length of feed opening.

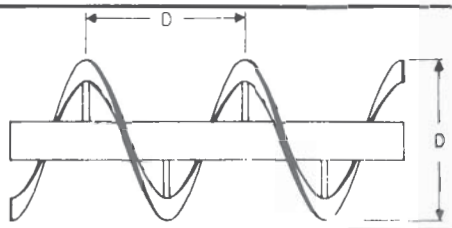


Conveyor Screws — Special

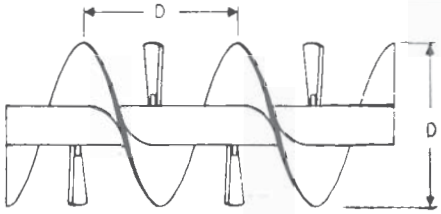
Single Flight Variable Pitch
conveyor screws are required for feeding some very free flowing materials with uniform withdrawal over full length of feed opening.



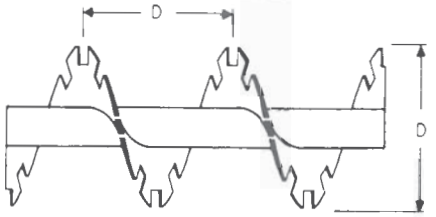
Single Flight Standard Pitch Ribbon
conveyor screws are required for viscous, gummy or sticky materials which tend to adhere to flighting and pipe.



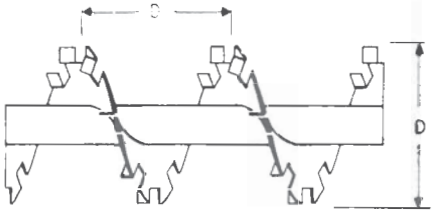
Single Flight Standard Pitch-Paddle
conveyor screws are fitted with adjustable paddles which oppose the flow of material sufficiently to provide moderate mixing in transit.



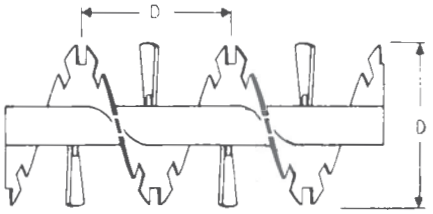
Single Flight Standard Pitch-Cut Flight
conveyor screws are produced with notches at the outer helicoid edge, providing moderate agitation of material in transit.



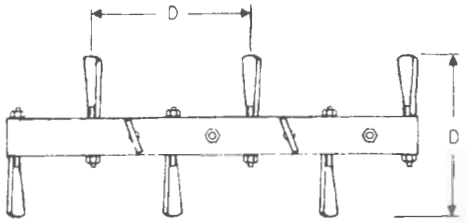
Single Flight Standard Pitch-Cut and Folded
conveyor screws are provided with folded segments at the outer edge which tend to lift and spill the materials in transit for aeration and mixing.
DIRECTION OF MATERIAL FLOW →



Cut Flight and Paddle
conveyor screws provide a means for a high degree of mixing and aeration of material in transit.

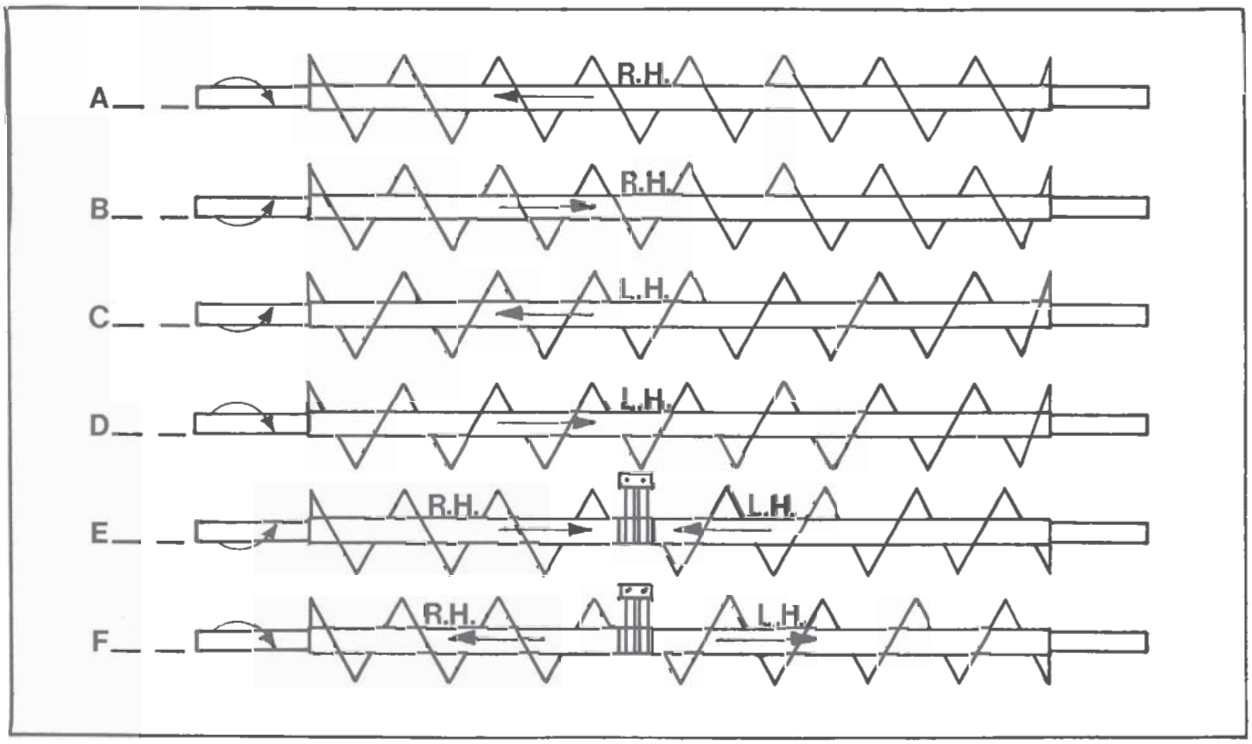


Paddle
conveyor screws permit the control of conveying and mixing action by the angular adjustment of formed steel paddles.



Multiple Ribbon Flight Conveyor Screws
This type of screw consists of two or more ribbon flights of different diameters and opposite hand, mounted one within the other on the same pipe or shaft by rigid supporting lugs. Material is moved forward by one flight and backward by the other, thereby inducing positive and thorough mixing.

Selection of Hand of Screw
— Note arrows and hand of screws —



Material travel in RIGHT and LEFT HAND screw conveyors

It will be obvious to the attentive observer that the HAND of a conveyor screw is a most important consideration in the design, application and ordering of a conveyor screw. Once a screw conveyor is built and installed with a certain hand, the direction of rotation is fixed for the desired direction of material transport. Any replacements must be of the same HAND to avoid disastrous results.

Note:

Conveyor screws supplied with right hand flighting unless otherwise specified.

Conveyor screws supplied in standard lengths unless otherwise specified.

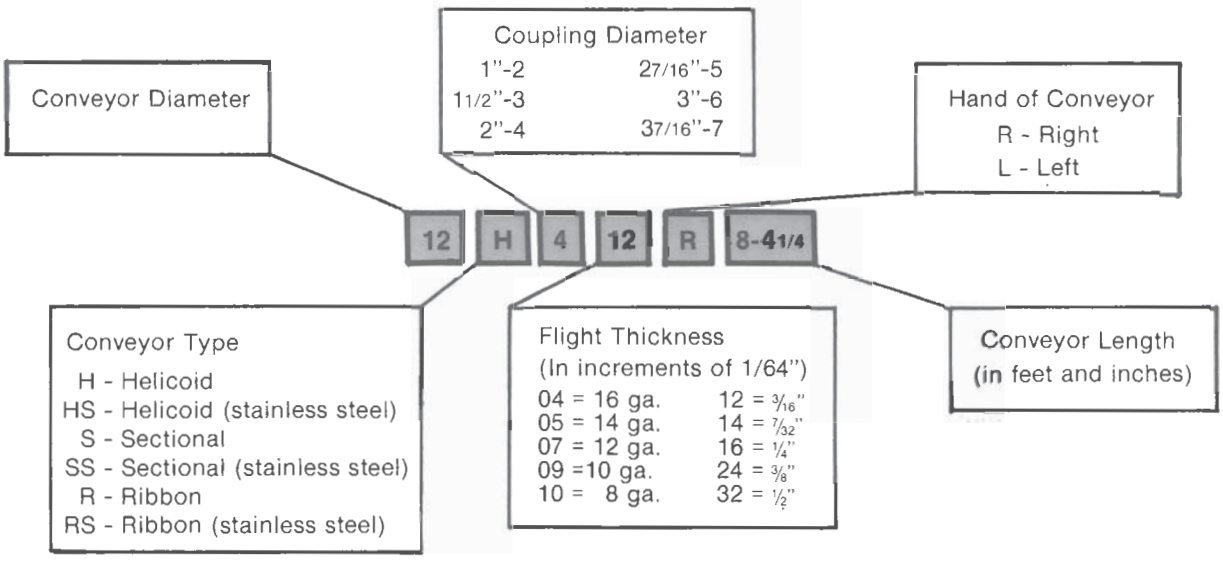
Flighting supplied full length of conveyor pipe unless otherwise specified.

Conveyor screws are fabricated of mild steel unless otherwise specified.

Conveyor screws are also available in stainless steel, special alloys, surface hardened mild steel and abrasion resistant steel. Contact our Engineering Department for further information.

Conveyor Screws

designation

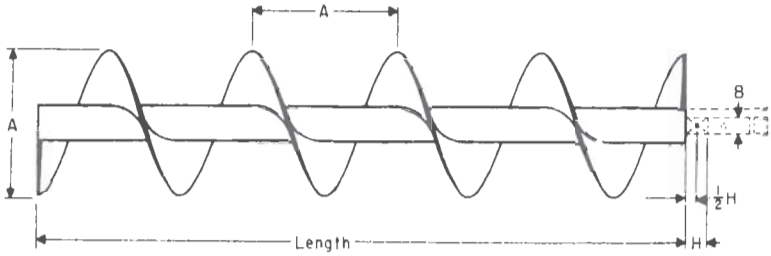


comparison table - helicoid - sectional screws

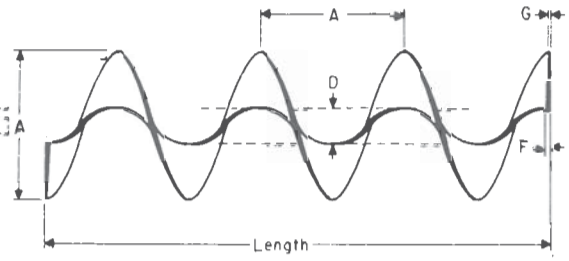
Screw Diam.	Helicoid Part No.	Sectional Part No.	Coupling Diam.	Pipe Size Inside	Pipe Size Outside	Flight Thickness Helicoid Inside	Flight Thickness Helicoid Outside	Flight Thickness Sectional
6	6H304	6S307	1 1/2	2	2 3/8	1/8	1/16	12 ga.
	6H308	6S309	1 1/2	2	2 3/8	1/4	1/8	10 ga.
	6H312	6S312	1 1/2	2	2 3/8	3/8	3/16	3/16
9	9H306	9S309	1 1/2	2	2 3/8	3/16	3/32	10 ga.
	9H312	9S312	1 1/2	2	2 3/8	3/8	3/16	3/16
	9H406	9S409	2	2 1/2	2 7/8	3/16	3/32	10 ga.
	9H412	9S412	2	2 1/2	2 7/8	3/8	3/16	3/16
	9H414	9S416	2	2 1/2	2 7/8	7/16	7/32	1/4
10	10H306	10S309	1 1/2	2	2 3/8	3/16	3/32	10 ga.
	10H412	10S412	2	2 1/2	2 7/8	3/8	3/16	3/16
12	12H408	12S409	2	2 1/2	2 7/8	1/4	1/8	10 ga.
	12H412	12S412	2	2 1/2	2 7/8	3/8	3/16	3/16
	12H508	12S509	2 7/16	3	3 1/2	1/4	1/8	10 ga.
	12H512	12S512	2 7/16	3	3 1/2	3/8	3/16	3/16
	12H614	12S616	3	3 1/2	4	7/16	7/32	1/4
14	14H508	14S509	2 7/16	3	3 1/2	1/4	1/8	10 ga.
	14H614	14S616	3	3 1/2	4	7/16	7/32	1/4
16	16H610	16S609	3	3 1/2	4	5/16	5/32	10 ga.
	16H614	16S616*	3	4	4 1/2	7/16	7/32	1/4
18	18H610	18S609	3	3 1/2	4	5/16	5/32	10 ga.

*16S616 is mounted on 3½" pipe.

Conveyor Screws — Helicoid



helicoid conveyor screw

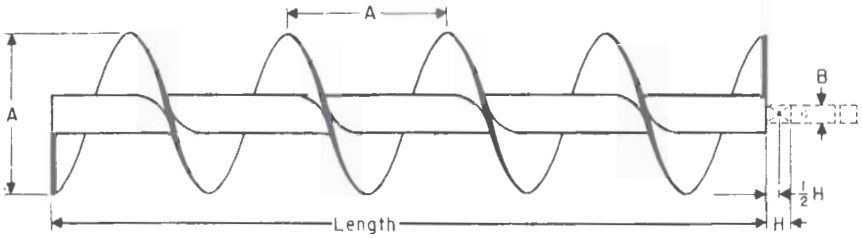


flighting

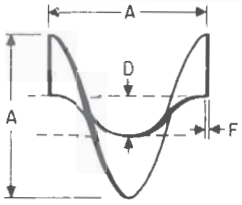
A Screw Diam.	B Cplng. Diam.	Size Part No. Conveyor Mounted	Size Part No. Flighting Only	D Pipe Size Inside	D Pipe Size Outside	Flight Thickness F Inside	Flight Thickness G Outs.	H Cplng. Bearing Length	Std. Length Ft.-In.	Average Weight Complete Std. Length	Average Weight Screw per Ft.	Average Weight Flighting Only Std. Length	Average Weight Flighting Only per Ft.
	1	4H204-*	4HF204-*	1 1/4	1 5/8	1/8	1/16	1 1/2	9-10 1/2	31	4	11	1.1
4	1	4H206-*	4HF206-*	1 1/4	1 5/8	3/16	3/32	1 1/2	9-10 1/2	40	5	16	2.0
	1 1/2	6H304-*	6HF304-*	2	2 3/8	1/8	1/16	2	9-10	52	5	14	1.4
6	1 1/2	6H308-*	6HF308-*	2	2 3/8	1/4	1/8	2	9-10	62	6	28	2.8
	1 1/2	6H312-*	6HF312-*	2	2 3/8	3/8	3/16	2	9-10	72	7	42	4.3
	1 1/2	9H306-*	9HF306-*	2	2 3/8	3/16	3/32	2	9-10	70	7	31	3.2
	1 1/2	9H312-*	9HF312-*	2	2 3/8	3/8	3/16	2	9-10	101	10	65	6.6
9	2	9H406-*	9HF406-*	2 1/2	2 7/8	3/16	3/32	2	9-10	91	9	30	3.0
	2	9H412-*	9HF412-*	2 1/2	2 7/8	3/8	3/16	2	9-10	121	12	60	6.1
	2	9H414-*	9HF414-*	2 1/2	2 7/8	7/16	7/32	2	9-10	131	13	70	7.0
	1 1/2	10H306-*	10HF306-*	2	2 3/8	3/16	3/32	2	9-10	81	8	48	4.8
10	2	10H412-*	10HF412-*	2 1/2	2 7/8	3/8	3/16	2	9-10	130	13	76	7.6
	2	12H408-*	12HF408-*	2 1/2	2 7/8	1/4	1/8	2	11-10	140	12	67	5.7
	2	12H412-*	12HF412-*	2 1/2	2 7/8	3/8	3/16	2	11-10	180	15	102	8.6
12	2 7/16	12H508-*	12HF508-*	3	3 1/2	1/4	1/8	3	11-9	168	14	64	5.4
	2 7/16	12H512-*	12HF512-*	3	3 1/2	3/8	3/16	3	11-9	198	17	96	8.2
	3	12H614-*	12HF614-*	3 1/2	4	7/16	7/32	3	11-9	220	18	105	8.8
	2 7/16	14H508-*	14HF508-*	3	3 1/2	1/4	1/8	3	11-9	170	14	84	7.0
14	3	14H614-*	14HF614-*	3 1/2	4	7/16	7/32	3	11-9	254	22	132	11.0
	3	16H610-*	16HF610-*	3 1/2	4	5/16	5/32	3	11-9	228	19	120	10.0
16	3	16H614-*	16HF614-*	4	4 1/2	7/16	7/32	3	11-9	270	22	144	12
18	3	18H610-*	18HF610-*	3 1/2	4	5/16	5/32	3	11-9	282	24	167	14.2

-*R For Right Hand Flight
-*L For Left Hand Flight
-*CF Cut Flight
-*CFF Cut & Folded Flight
-*CW1 Continuous Welded One Side
-*CW2 Continuous Welded Both Sides
-*AR Abrasion Resistant Flights (Sectional Only)

Conveyor Screws — Sectional



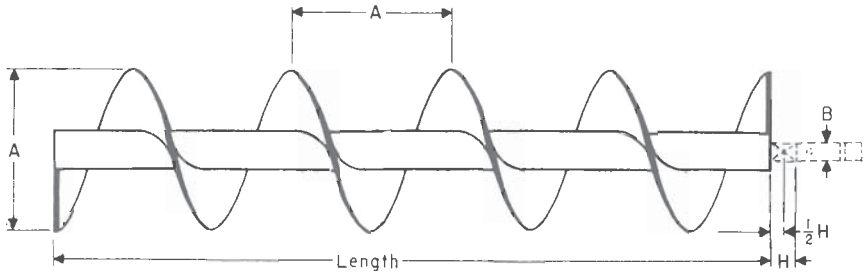
Sectional Conveyor Screw



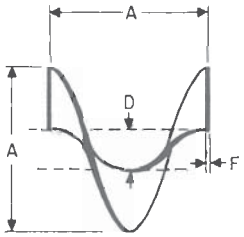
Flight

A Screw Diam	B Cplng. Diam.	Size Part No. Mounted Conveyor	Size Part No. Flighting Only	Pipe Size Inside	Pipe Size D Outside	F Flight Thick-ness	H Cplng. Bearing Length	Std. Length Ft.-In.	Average Weight Std. Length	Average Weight per Ft.	Average Weight Flight Each	Approx. Flights per Ft.
	1 1/2	6S307-*	6SF307-*	2	2 3/8	12 Ga.	2	9-10	62	6.0	1.0	2.0
	1 1/2	6S309-*	6SF309-*	2	2 3/8	10 Ga.	2	9-10	65	6.5	1.3	2.0
6	1 1/2	6S312-*	6SF312-*	2	2 3/8	3/16	2	9-10	75	7.5	1.7	2.0
	1 1/2	6S316-*	6SF316-*	2	2 3/8	1/4	2	9-10	87.6	8.9	2.4	2.0
	1 1/2	9S307-*	9SF307-*	2	2 3/8	12 Ga.	2	9-10	73	7.5	2.5	1.33
	1 1/2	9S309-*	9SF309-*	2	2 3/8	10 Ga.	2	9-10	80	8.0	3.3	1.33
	1 1/2	9S312-*	9SF312-*	2	2 3/8	3/16	2	9-10	95	9.5	4.3	1.33
	1 1/2	9S316-*	9SF316-*	2	2 3/8	1/4	2	9-10	116	11.8	5.5	1.33
	1 1/2	9S324-*	9SF324-*	2	2 3/8	3/8	2	9-10	155	15.9	7.9	1.33
	2	9S407-*	9SF407-*	2 1/2	2 7/8	12 Ga.	2	9-10	90	9.0	2.5	1.33
9	2	9S409-*	9SF409-*	2 1/2	2 7/8	10 Ga.	2	9-10	100	10.0	3.3	1.33
	2	9S412 -*	9SF412-*	2 1/2	2 7/8	3/16	2	9-10	115	11.5	4.3	1.33
	2	9S416-*	9SF416-*	2 1/2	2 7/8	1/4	2	9-10	130	13.0	5.5	1.33
	2	9S424-*	9SF424-*	2 1/2	2 7/8	3/8	2	9-10	177	18.0	7.9	1.33
	1 1/2	10S309-*	10SF309-*	2	2 3/8	10 Ga.	2	9-10	85	8.5	3.9	1.2
	1 1/2	10S312-*	10SF312-*	2	2 3/8	3/16	2	9-10	108	11.0	5.0	1.2
	1 1/2	10S316-*	10SF316-*	2	2 3/8	1/4	2	9-10	132	13.4	6.7	1.2
	1 1/2	10S324-*	10SF324-*	2	2 3/8	3/8	2	9-10	178	18.1	8.7	1.2
10	2	10S409-*	10SF409-*	2 1/2	2 7/8	10 Ga.	2	9-10	107	11.0	3.9	1.2
	2	10S412-*	10SF412-*	2 1/2	2 7/8	3/16	2	9-10	120	12.0	5.0	1.2
	2	10S416-*	10SF416-*	2 1/2	2 7/8	1/4	2	9-10	153	15.7	6.7	1.2
	2	10S424-*	10SF424-*	2 1/2	2 7/8	3/8	2	9-10	199	21.2	8.7	1.2
	2	12S409-*	12SF409-*	2 1/2	2 7/8	10 Ga.	2	11-10	140	12.0	5.7	1.0
	2	12S412-*	12SF412-*	2 1/2	2 7/8	3/16	2	11-10	156	13.0	7.2	1.0
	2	12S416-*	12SF416-*	2 1/2	2 7/8	1/4	2	11-10	232	19.6	9.7	1.0
	2	12S424-*	12SF424-*	2 1/2	2 7/8	3/8	2	11-10	306	25.8	12.7	1.0
	2 7/16	12S509-*	12SF509-*	3	3 1/2	10 Ga.	3	11-9	160	14.0	5.7	1.0
	2 7/16	12S512-*	12SF512-*	3	3 1/2	3/16	3	11-9	178	14.8	7.2	1.0
12	2 7/16	12S516-*	12SF516-*	3	3 1/2	1/4	3	11-9	210	17.5	9.7	1.0
	2 7/16	12S524-*	12SF524-*	3	3 1/2	3/8	3	11-9	290	24.2	12.7	1.0
	3	12S612-*	12SF612-*	3 1/2	4	3/16	3	11-9	184	15.4	7.2	1.0
	3	12S616-*	12SF616-*	3 1/2	4	1/4	3	11-9	216	21.4	9.7	1.0
	3	12S624-*	12SF624-*	3 1/2	4	3/8	3	11-9	280	26.7	12.7	1.0

Conveyor Screws – Sectional



Sectional Conveyor Screw

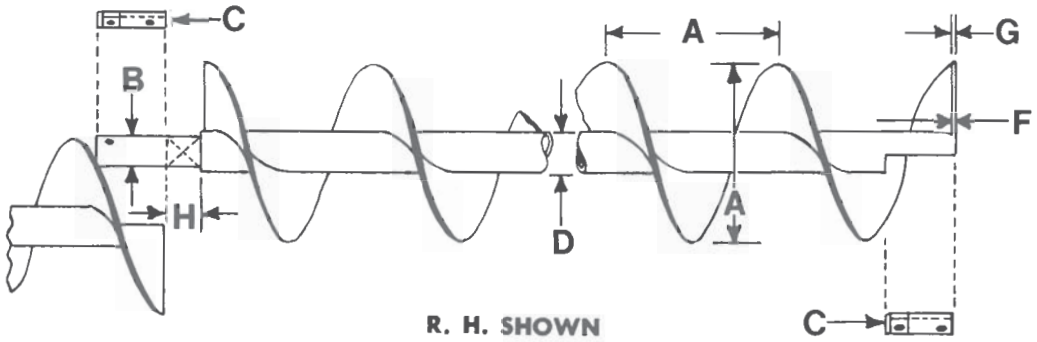


Flight

A Screw Diam	B Cplng. Diam.	Size Part No. Mounted Conveyor	Size Part No. Flighting Only	Pipe Size Inside	Pipe Size D Outside	F Flight Thick-ness	H Cplng. Bearing Length	Std. Length Ft.-In.	Average Weight Std. Length	Average Weight per Ft.	Average Weight Flight Each	Approx. Flights per Ft.
	2 7/16	14S509-*	14SF509-*	3	3 1/2	10 Ga.	3	11-9	185	16	7.1	.86
	2 7/16	14S512-*	14SF512-*	3	3 1/2	3/16	3	11-9	216	18.0	9.9	.86
	2 7/16	14S516-*	14SF516-*	3	3 1/2	1/4	3	11-9	250	21.3	13.2	.86
14	2 7/16	14S524-*	14SF524-*	3	3 1/2	3/8	3	11-9	334	28.4	19.8	.86
	3	14S612-*	14SF612-*	3 1/2	4	3/16	3	11-9	231	19.6	10.9	.86
	3	14S616-*	14SF616-*	3 1/2	4	1/4	3	11-9	246	20.5	13.2	.86
	3	14S624-*	14SF624-*	3 1/2	4	3/8	3	11-9	342	28.5	19.8	.86
	3	16S609-*	16SF609-*	3 1/2	4	10 Ga.	3	11-9	210	18	10	.75
	3	16S612-*	12SF612-*	3 1/2	4	3/16	3	11-9	234	19.5	14.0	.75
16	3	16S616-*	16SF616-*	3 1/2	4	1/4	3	11-9	282	24	18.0	.75
	3	16S624-*	16SF624-*	3 1/2	4	3/8	3	11-9	365	30.4	25.5	.75
	3	16S632-*	16SF632-*	3 1/2	4	1/2	3	11-9	420	36	34.5	.75
	3	18S612-*	18SF612-*	3 1/2	4	3/16	3	11-9	246	20.5	18.0	.67
	3	18S616-*	18SF616-*	3 1/2	4	1/4	3	11-9	294	24.5	24.0	.67
	3	18S624-*	18SF624-*	3 1/2	4	3/8	3	11-9	425	35.5	34.5	.67
18	3	18S632-*	18SF632-*	3 1/2	4	1/2	3	11-9	530	44	46.0	.67
	3 7/16	18S712-*	18SF712-*	4	4 1/2	3/16	4	11-8	293	24.4	18.0	.67
	3 7/16	18S716-*	18SF716-*	4	4 1/2	1/4	4	11-8	345	28.8	24.0	.67
	3 7/16	18S724-*	18SF724-*	4	4 1/2	3/8	4	11-8	470	39.2	34.5	.67
	3 7/16	18S732-*	18SF732-*	4	4 1/2	1/2	4	11-8	570	47.5	46.0	.67
	3	20S612-*	20SF612-*	3 1/2	4	3/16	3	11-9	300	25.0	20.0	.60
	3	20S616-*	20SF616-*	3 1/2	4	1/4	3	11-9	360	30.0	28.0	.60
	3	20S624-*	20SF624-*	3 1/2	4	3/8	3	11-9	410	33.4	40.0	.60
20	3	20S632-*	20SF632-*	3 1/2	4	1/2	3	11-9	506	42.2	56	.60
	3 7/16	20S712-*	20SF712-*	4	4 1/2	3/16	4	11-8	310	26	20.0	.60
	3 7/16	20S716-*	20SF716-*	4	4 1/2	1/4	4	11-8	370	32	28.0	.60
	3 7/16	20S724-*	20SF724-*	4	4 1/2	3/8	4	11-8	455	37.9	40.0	.60
	3 7/16	20S732-*	20SF732-*	4	4 1/2	1/2	4	11-8	550	45.9	56	.60
	3 7/16	24S712-*	24SF712-*	4	4 1/2	3/16	4	11-8	440	37	32.0	.50
24	3 7/16	24S716-*	24SF716-*	4	4 1/2	1/4	4	11-8	510	43	42.0	50
	3 7/16	24S724-*	24SF724-*	4	4 1/2	3/8	4	11-8	595	50.	63.0	.50
	3 7/16	24S732-*	24SF732-*	4	4 1/2	1/2	4	11-8	690	60	84	.50

Conveyor Screws

Quick Removable (QR) Helicoid Conveyor



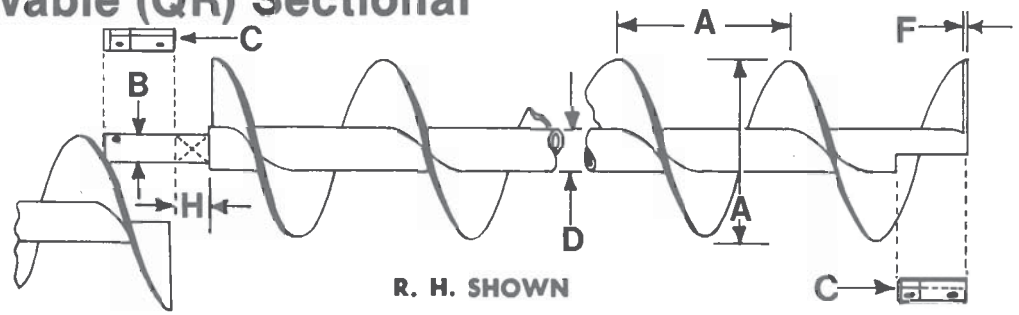
R. H. SHOWN

DRIVE LOCATED AT "QR" END

(Note: Insert "C" will be supplied per current manufacturing practice.)

A Nom. Conv. Dia.	Size Part No. Mounted Conveyor	B Coupling Dia.	Std. Lgth. Ft.-In. End to End of Pipe	C Insert Part Number	Pipe Size D Inside	Pipe Size D Outside	Flight Thickness F Inside	Flight Thickness G Outside	H Cplg. Brg. Lgth.	Average Weight Std. Lgth.	Average Weight Per Ft.
	6HQR304-*	1 1/2	9'-10	CQR112	2	2 3/8	1/8	1/16	2	52	5
6	6HQR308-*	1 1/2	9'-10	CQR112	2	2 3/8	1/4	1/8	2	62	6
	6HQR312-*	1 1/2	9'-10	CQR112	2	2 3/8	3/8	3/16	2	72	7
	9HQR306-*	1 1/2	9'-10	CQR112	2	2 3/8	3/16	3/32	2	70	7
	9HQR312-*	1 1/2	9'-10	CQR112	2	2 3/8	3/8	3/16	2	101	10
9	9HQR406-*	2	9'-10	CQR2	2 1/2	2 7/8	3/16	3/32	2	91	9
	9HQR412-*	2	9'-10	CQR2	2 1/2	2 7/8	3/8	3/16	2	121	12
	9HQR414-*	2	9'-10	CQR2	2 1/2	2 7/8	7/16	7/32	2	131	13
10	10HQR306-*	1 1/2	9'-10	CQR112	2	2 3/8	3/16	3/32	2	81	8
	10HQR412-*	2	9'-10	CQR2	2 1/2	2 7/8	3/8	3/16	2	130	13
	12HQR408-*	2	11'-10	CQR2	2 1/2	2 7/8	1/4	1/8	2	140	12
	12HQR412-*	2	11'-10	CQR2	2 1/2	2 7/8	3/8	3/16	2	180	15
12	12HQR508-*	2 7/16	11'-9	CQR2716	3	3 1/2	1/4	1/8	3	168	14
	12HQR512-*	2 7/16	11'-9	CQR2716	3	3 1/2	3/8	3/16	3	198	17
	12HQR614-*	3	11'-9	CQR3	3 1/2	4	7/16	7/32	3	220	18
	14HQR508-*	2 7/16	11'-9	CQR2716	3	3 1/2	1/4	1/8	3	170	14
14	14HQR614-*	3	11'-9	CQR3	3 1/2	4	7/16	7/32	3	254	22
16	16HQR610-*	3	11'-9	CQR3	3 1/2	4	5/16	5/32	3	228	19
	16HQR614-*	3	11'-9	CQR3-4	4	4 1/2	7/16	7/32	3	270	22
18	18HQR610-*	3	11'-9	CQR3	3 1/2	4	5/16	5/32	3	282	24

Quick Removable (QR) Sectional Conveyors

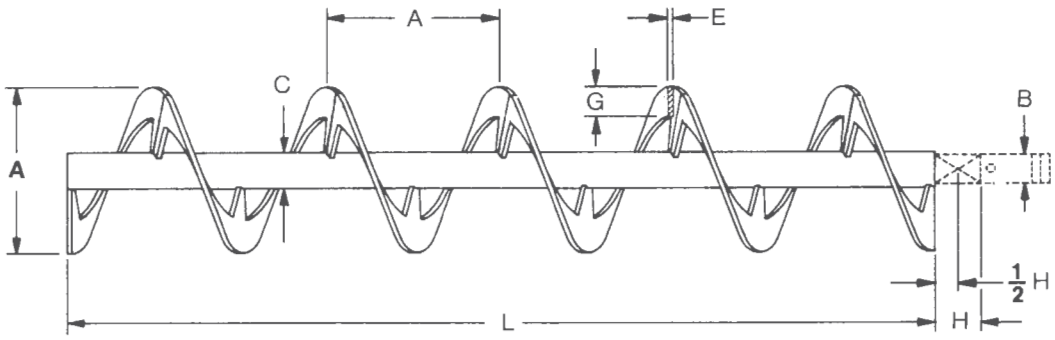


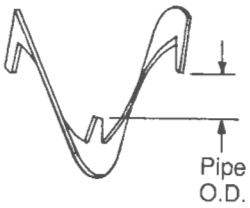
(Note: Insert "C" will be supplied per current manufacturing practice.)

A Nom. Conv. Dia.	Size Part No. Mounted Conveyor	B Coupling Dia.	Std. Lgth. Ft.-In. End to End of Pipe	C Insert Part Number	Pipe Size D Inside	Pipe Size D Outside	F Flight Thickness	H Cplg. Brg. Lgth.	Average Weight Std. Lgth.	Average Weight Per Ft.
6	6SQR309-*	1 1/2	9'-10	CQR112	2	2 3/8	10	2	65	7
	6SQR312-*	1 1/2	9'-10	CQR112	2	2 3/8	3/16	2	75	7.5
	6SQR316-*	1 1/2	9'-10	CQR112	2	2 3/8	1/4	2	87.6	8.8
9	9SQR309-*	1 1/2	9'-10	CQR112	2	2 3/8	10	2	80	8.0
	9SQR312-*	1 1/2	9'-10	CQR112	2	2 3/8	3/16	2	95	9.5
	9SQR316-*	1 1/2	9'-10	CQR112	2	2 3/8	1/4	2	116	11.8
	9SQR409-*	2	9'-10	CQR2	2 1/2	2 7/8	10	2	100	10
	9SQR412-*	2	9'-10	CQR2	2 1/2	2 7/8	3/16	2	115	11.5
	9SQR416-*	2	9'-10	CQR2	2 1/2	2 7/8	1/4	2	130	13.0
	9SQR424-*	2	9'-10	CQR2	2 1/2	2 7/8	3/8	2	185	18.5
10	10SQR309-*	1 1/2	9'-10	CQR112	2	2 3/8	10	2	85	8.5
	10SQR412-*	2	9'-10	CQR2	2 1/2	2 7/8	3/16	2	120	12.0
	10SQR416-*	2	9'-10	CQR2	2 1/2	2 7/8	1/4	2	153	15.3
12	12SQR409-*	2	11'-10	CQR2	2 1/2	2 7/8	10	2	140	12.0
	12SQR412-*	2	11'-10	CQR2	2 1/2	2 7/8	3/16	2	156	13.0
	12SQR416-*	2	11'-10	CQR2	2 1/2	2 7/8	1/4	2	232	19.4
	12SQR509-*	2 7/16	11'-9	CQR2716	3	3 1/2	10	3	160	13.3
	12SQR512-*	2 7/16	11'-9	CQR2716	3	3 1/2	3/16	3	178	15
	12SQR612-*	3	11'-9	CQR3	3 1/2	4	3/16	3	210	17.5
	12SQR616-*	3	11'-9	CQR3	3 1/2	4	1/4	3	216	18.0
	12SQR624-*	3	11'-9	CQR3	3 1/2	4	3/8	3	280	23.3
14	14SQR509-*	2 7/16	11'-9	CQR2716	3	3 1/2	10	3	185	15.5
	14SQR512-*	2 7/16	11'-9	CQR2716	3	3 1/2	3/16	3	214	17.7
	14SQR612-*	3	11'-9	CQR3	3 1/2	4	3/16	3	231	19.3
	14SQR616-*	3	11'-9	CQR3	3 1/2	4	1/4	3	246	20.5
	14SQR624-*	3	11'-9	CQR3	3 1/2	4	3/8	3	342	28.5
16	16SQR609-*	3	11'-9	CQR3	3 1/2	4	10	3	210	18
	16SQR612-*	3	11'-9	CQR3	3 1/2	4	3/16	3	234	19.5
	16SQR616-*	3	11'-9	CQR3	3 1/2	4	1/4	3	282	24
	16SQR624-*	3	11'-9	CQR3	3 1/2	4	3/8	3	365	30.4
18	18SQR612-*	3	11'-9	CQR3	3 1/2	4	3/16	3	246	20.5
	18SQR616-*	3	11'-9	CQR3	3 1/2	4	1/4	3	294	24.5
	18SQR624-*	3	11'-9	CQR3	3 1/2	4	3/8	3	425	35.5
20	20SQR612-*	3	11'-9	CQR3	3 1/2	4	3/16	3	300	25.0
	20SQR616-*	3	11'-9	CQR3	3 1/2	4	1/4	3	360	30.0
	20SQR724-*	3 7/16	11'-8	CQR3716	4	4 1/2	3/8	4	462	35
24	24SQR712-*	3 7/16	11'-8	CQR3716	4	4 1/2	3/16	4	440	37
	24SQR716-*	3 7/16	11'-8	CQR3716	4	4 1/2	1/4	4	510	43
	24SQR724-*	3 7/16	11'-8	CQR3716	4	4 1/2	3/8	4	595	59

Conveyor Screw—Sectional Ribbon

ribbon conveyor screw





Four posts per pitch or 90° spacing unless otherwise specified.

Right Hand Shown

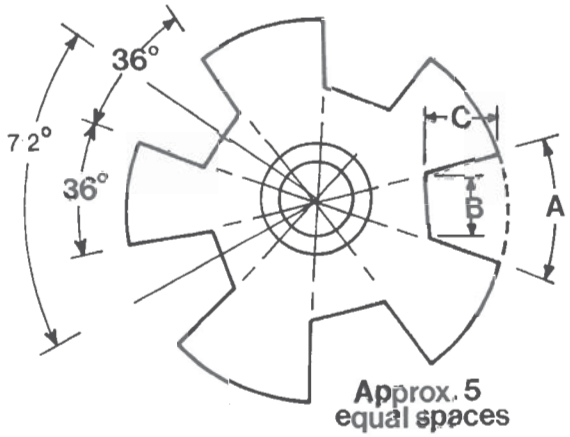
Right Hand Shown
sectional ribbon

A Screw Diam.	B Cplng. Diam.	Size Part No. Mounted Conveyor	Size Part No. Flighting Only	C Pipe Size Inside	C Pipe Size Outside	Flight Size Tiknss E	Flight Size G Width	H Cplng. Bearing Length	Std. Length Ft.-In.	Average Weight Complete Std. Length	Average Weight Screw per Foot	Average Weight Flighting Only Std. Length	Average Weight Flighting Only per Foot
6	1 1/2	6R312-*	6RF312-*	2	2 3/8	3/16	1	2	9-10	65	6.5	25	2.5
9	1 1/2	9R316-*	9RF316-*	2	2 3/8	1/4	1 1/2	2	9-10	100	10	50	5.1
10	1 1/2	10R316-*	10RF316-*	2	2 3/8	1/4	1 1/2	2	9-10	110	11	60	6.1
	2	12R416-*	12RF416-*	2 1/2	2 7/8	1/4	2	2	11-10	180	15	71	6.0
12	2	12R424-*	12RF424-*	2 1/2	2 7/8	3/8	2 1/2	2	11-10	216	18	120	10.1
	2 7/16	12R524-*	12RF524-*	3	3 1/2	3/8	2 1/2	3	11-9	240	20	120	10.2
	2 7/16	14R516-*	14RF516-*	3	3 1/2	1/4	2	3	11-9	228	19	84	7.1
14	2 7/16	14R524-*	14RF524-*	3	3 1/2	3/8	2 1/2	3	11-9	264	22	120	10.2
	3	14R624-*	14RF624-*	3 1/2	4	3/8	2 1/2	3	11-9	288	25	120	10.2
16	3	16R616-*	16RF616-*	3 1/2	4	1/4	2 1/2	3	11-9	276	24	96	8.2
	3	16R624-*	16RF624-*	3 1/2	4	3/8	2 1/2	3	11-9	324	28	132	11.2
18	3	18R624-*	18RF624-*	4	4 1/2	3/8	3	3	11-9	384	33	156	13.3
20	3 7/16	20R724-*	20RF724-*	4	4 1/2	3/8	3	4	11-8	408	35	168	14.4
24	3 7/16	24R724-*	24RF724-*	4	4 1/2	3/8	3	4	11-8	424	36	180	15.4

*NOTE: Available in other sizes — consult factory for your application

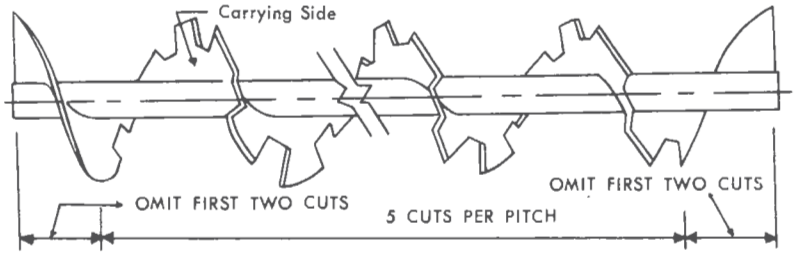
Conveyor Screws — Special

CUT FLIGHT



Depth of cut "C" is one half the flight width for normal pipe size.

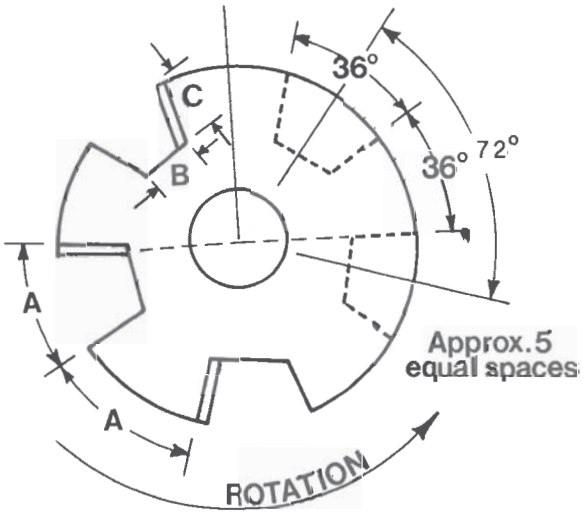
Lengths "A" & "B" are calculated from the developed O.D. for a standard pitch.



Screw Dia. Inches	A	B	C
		Inches	
4	1 3/8	1	5/8
6	2	1 1/2	7/8
9	3	2 1/8	1 1/2
10	3 3/8	2 1/4	1 3/4
12	4	2 3/4	2
14	4 5/8	3 1/8	2 1/2
16	5 1/4	3 1/2	3
18	6	3 7/8	3 3/8
20	6 5/8	4 1/4	3 7/8
24	7 7/8	4 7/8	4 7/8

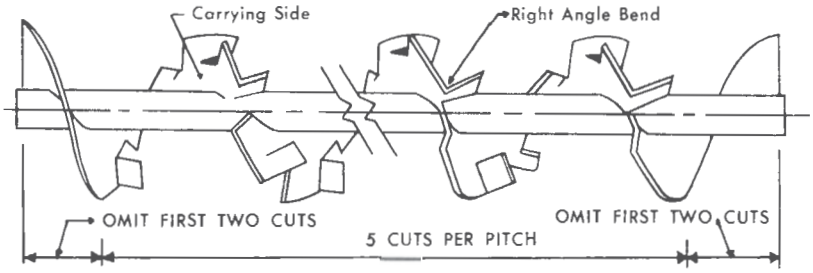
Conveyor Screws-Special

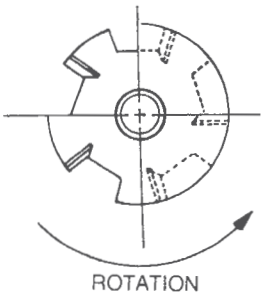
CUT AND FOLDED FLIGHT



Depth of cut "C" is one half the flight width for normal pipe size.

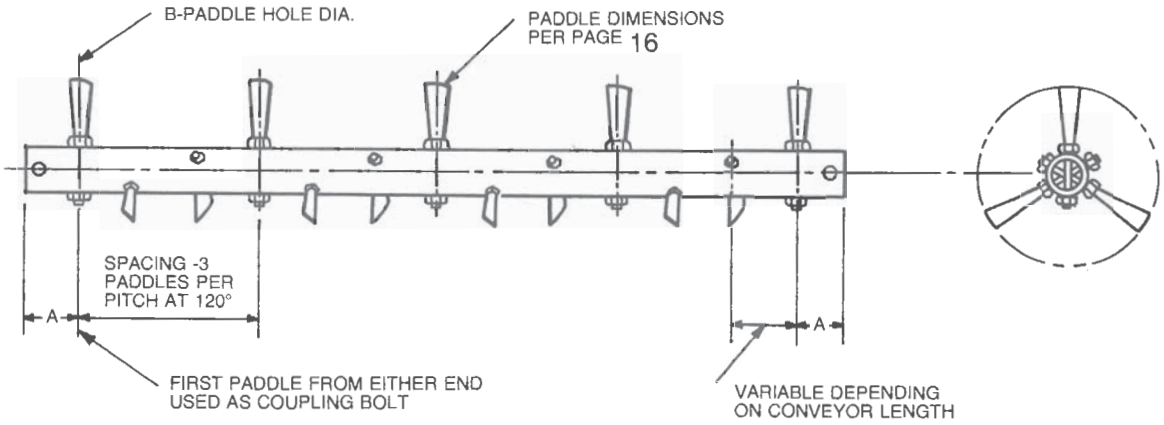
Lengths "A" & "B" are calculated from the developed O.D. for a standard pitch.





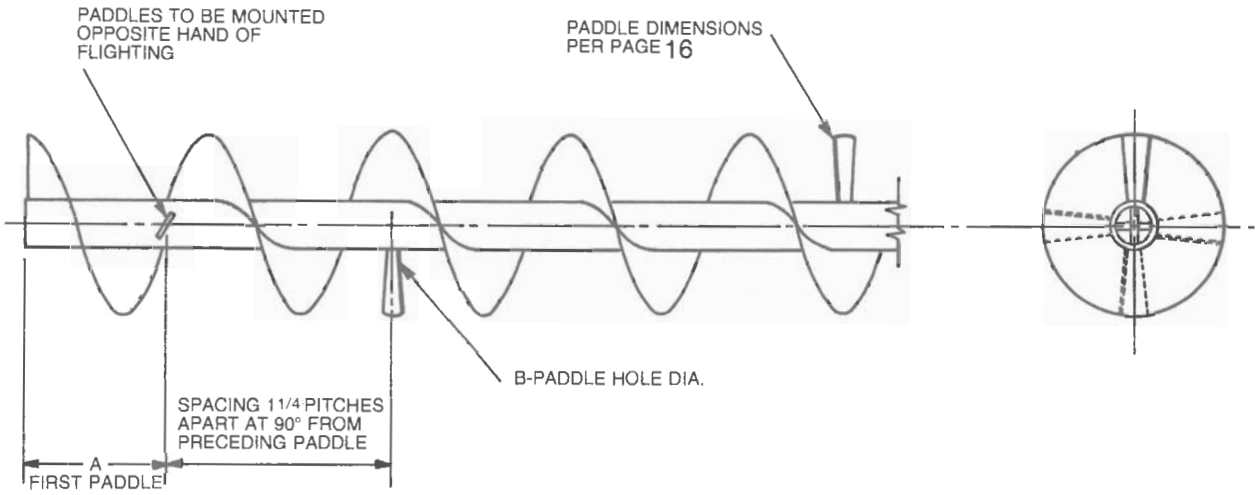
Screw Dia. Inches	A	B	C
		Inches	
4	1 3/8	1	5/8
6	2	1 1/2	7/8
9	3	2 1/8	1 1/2
10	3 3/8	2 1/4	1 3/4
12	4	2 3/4	2
14	4 5/8	3 1/8	2 1/2
16	5 1/4	3 1/2	3
18	6	3 7/8	3 3/8
20	6 5/8	4 1/4	3 7/8
24	7 7/8	4 7/8	4 7/8

Paddle Conveyor Screws



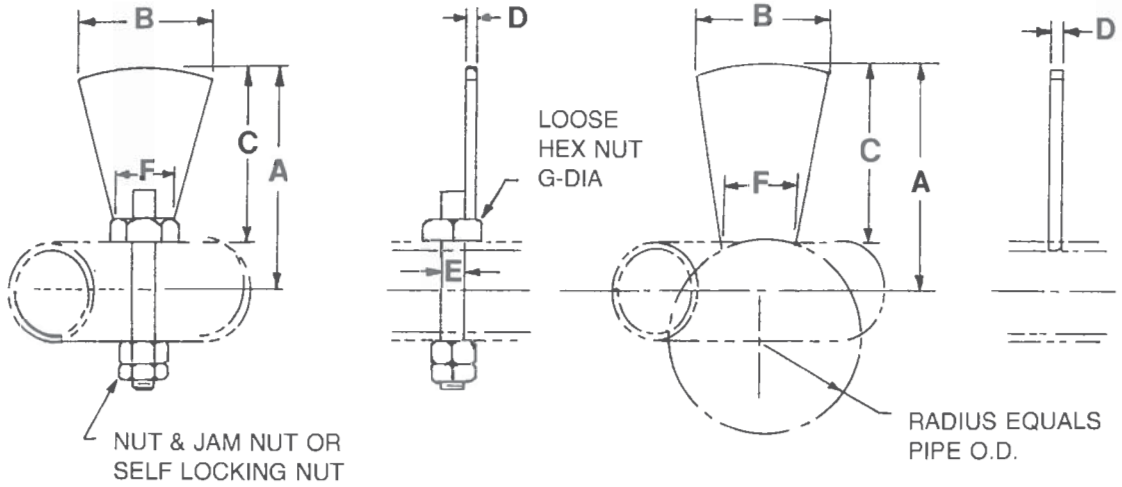
Screw diameter and pitch	Pipe size schedule 40	A	B Nominal
Inches			
6	2	3 7/8	17/32
9	2	3 7/8	17/32
	2 1/2	3 7/8	21/32
12	2 1/2	3 7/8	21/32
	3	3 15/16	21/32
	3 1/2	4	25/32
14	3	3 15/16	21/32
	3 1/2	4	25/32
16	3 1/2	4	25/32
18	3 1/2	4	25/32
20	3 1/2	4	25/32
24	4	5 1/2	29/32

Conveyor Screws with Paddles



Screw diameter and pitch	Pipe size schedule 40	A	B Nominal
Inches			
6	2	7 1/4	17/32
9	2	7 1/4	17/32
	2 1/2	7 1/4	21/32
12	2 1/2	7 1/4	21/32
	3	7 1/4	21/32
	3 1/2	7 1/4	25/32
14	3	7 1/4	21/32
	3 1/2	7 1/4	25/32
16	3 1/2	7 1/4	25/32
18	3 1/2	7 1/4	25/32
20	3 1/2	7 1/4	25/32
24	4	9 1/4	29/32

Conveyor Screws—Paddle



STYLE 1 ADJUSTABLE

STYLE 2 WELDED

Screw Dia.	Part No. Carbon Steel	Part No. Stainless Steel	Cplng. Dia.	Pipe Size Inside	Pipe Size Outside	A	B	C	D	E	F	G	Wt. Each
4	CP42-*	CP42S-*	1	1 1/4	1 5/8	2	1 1/2	13/16	3/16	3/8	7/8	1/2	.25
6	CP63-*	CP63S-*	1 1/2	2	2 3/8	3	2 1/16	1 13/16	1/4	1/2	1 7/16	5/8	.50
9	CP93-*	CP93S-*	1 1/2	2	2 3/8	4 1/2	2 3/4	3 5/16	1/4	1/2	1 1/2	5/8	.50
	CP94-*	CP94S-*	2	2 1/2	2 7/8	4 1/2	2 3/4	3 1/16	1/4	5/8	1 5/8	3/4	.75
10	CP103-*	CP103S-*	1 1/2	2	2 3/8	5	3 1/8	3 13/16	1/4	1/2	1 1/2	5/8	.75
	CP104-*	CP104S-*	2	2 1/2	2 7/8	5	3 1/8	3 9/16	1/4	5/8	1 5/8	3/4	1.00
12	CP124-*	CP124S-*	2	2 1/2	2 7/8	6	3 11/16	4 9/16	3/8	5/8	1 3/4	3/4	1.50
	CP125-*	CP125S-*	2 7/16	3	3 1/2	6	3 11/16	4 1/4	3/8	5/8	1 7/8	3/4	1.75
	CP126-*	CP126S-*	3	3 1/2	4	6	3 11/16	4	3/8	3/4	2	7/8	2.00
14	CP145-*	CP145S-*	2 7/16	3	3 1/2	7	4 1/4	5 1/4	3/8	5/8	2	3/4	2.25
	CP146-*	CP146S-*	3	3 1/2	4	7	4 1/4	5	3/8	3/4	2 1/8	7/8	2.50
16	CP166-*	CP166S-*	3	3 1/2	4	8	4 15/16	6	3/8	3/4	2 1/4	7/8	3.25
	CP166X-*	CP166XS-*	3	4.	4 1/2	8	4 15/16	5 3/4	3/8	3/4	2 3/8	1	3.50
18	CP186-*	CP186S-*	3	3 1/2	4	9	5 3/8	7	3/8	3/4	2 1/8	7/8	4.00
	CP187-*	CP187S-*	3 7/16	4	4 1/2	9	5 3/8	6 3/4	3/8	7/8	2 1/4	1	4.25
20	CP206-*	CP206S-*	3	3 1/2	4	10	6 1/8	8	3/8	3/4	2 7/16	7/8	4.75
	CP207-*	CP207S-*	3 7/16	4	4 1/2	10	6 1/8	7 3/4	3/8	7/8	2 9/16	1	5.00
24	CP247-*	CP247S-*	3 7/16	4	4 1/2	12	7 3/8	9 3/4	1/2	7/8	2 11/16	1	6.75

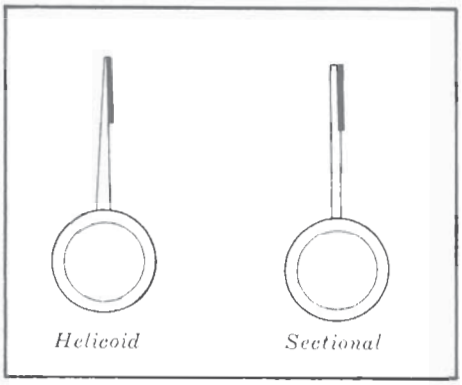
*1 is Style #1 *2 is Style #2

Conveyor Screws — Special

HARD-SURFACED SCREW CONVEYORS

ISCI hard-surfaced screw conveyors are designed to eliminate excessive wear on flights while handling abrasive materials. An alloy is permanently fused to the carrying side (of a width in relation to the cross-sectional load, see chart) of the flighting face.

For extreme applications, full-face application is recommended. The conveyor pipe may also be hard-surfaced. Other hard surfaces available upon request.



WIDTH OF APPLICATION CHART

Screw Diameter	Width of Application
6	1
9	1 1/2
10	1 1/2
12	2
14	2
16	2 1/2
18	2 1/2
20	3
24	3

ADDITIONAL TYPES OF ABRASION RESISTANT SCREW CONVEYORS AND ACCESSORIES

If desired, screw conveyors may be furnished in abrasion resistant metals, such as 40/50 carbon, A/R 235,T-I, nickel steel or other special metals.

When handling abrasive materials, consideration should be given to protecting screw conveyor accessories. Hardened couplings, outboard bearings, trough ends and hangers with white iron or hardened surface bearings can be furnished. Troughs of heavy abrasion resistant metals are also available.

Conveyor Screws-Special

WEAR STRIPS

High carbon steels capable of heat treatment, or abrasion resistant alloys are used to an ever increasing extent as materials for flights.

CORROSION-RESISTANT CONVEYOR SCREWS

Corrosion is manifested in so many different ways that no one choice of material will suit all requirements. To withstand the effects of corrosion encountered in many fields of industry, conveyor screws are fabricated of stainless steel, copper, brass, bronze, nickel, monel, corten, aluminum, and other materials.

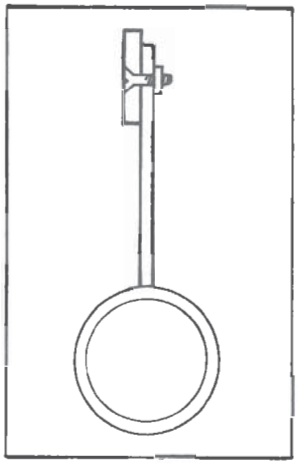
Galvanizing, tinning, chrome plating and other coating methods have proved effective under mildly corrosive conditions. Vulcanized or bonded rubber covering of the entire conveyor is frequently satisfactory for resistance to extremely corrosive action.

HEAT-RESISTANT CONVEYOR SCREWS

Conveyor screws for high temperature applications are made of many of the available heat-resistant alloys. Several of the stainless steels and other high-chrome alloys are particularly suitable for this service.

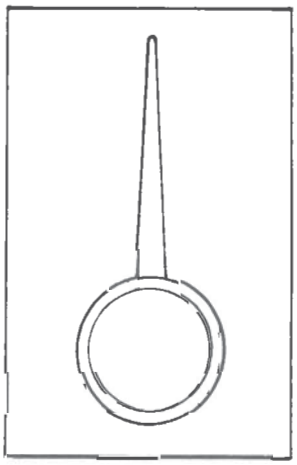
NON-SPARKING SCREW CONVEYORS

Screw conveyors are available for use in areas which require a non-sparking composition. Metals, such as aluminum, brass, copper or bronze and certain stainless steel analyses are normally used for this application. Caution should be exercised in the selection of other components as well.



Detachable hardened flight segment

Detachable hardened flight segments, or wearing shoes, bolted with countersunk bolts to the conveyor flights are preferred in many applications for quick and easy replacement.



Rubber covered screw

Rubber covering with its inherent tough resilience, bonded or vulcanized to a conveyor screw, offers excellent abrasion-resistant properties.

Special Screw Conveyor Weld Finishes

Specifications on screw conveyor occasionally include the term "grind smooth" when referring to the finish on welds. This specification is usually used for stainless steel, but occasionally it will appear in carbon steel specifications as well.

"Grind smooth" is a general term and subject to various interpretations. This section establishes ISCI recommended classes of finishes, which should be used to help you find the class required for an application.

1F — Weld Spatter and Slag removed (CEMA I)

1B — Weld Spatter and Slag removed and Sand Blasted

2F — Rough grind welds to remove heavy weld ripple or unusual roughness (equivalent to a 40-50 grit finish) (CEMA II).

2B — Rough grind welds to remove heavy weld ripple or unusual roughness (equivalent to a 40-50 grit finish) and sandblasted

3F — Rough grind welds leaving some pits and crevices (equivalent to a 80-100 grit finish)

3B — Rough grind welds leaving some pits and crevices (equivalent to a 80-100 grit finish) and sandblasted

4F — Medium grind welds leaving some pits and crevices (equivalent to a 80-100 grit finish) (CEMA III)

4B — Medium grind welds leaving some pits and crevices (equivalent to a 80-100 grit finish) and sandblasted

5F. Blend welds and fine grind welds. Commonly called Sanitary or #4 Commercial Finish - no pits and crevices permissible (equivalent to a 150 grit finish) (CEMA IV)

5B. Blend welds and fine grind welds. Commonly called Sanitary or #4 Commercial Finish - no pits and crevices permissible (equivalent to a 150 grit finish) and sandblasted

6F. Blend welds, complete grind with 120-150 grit finish - plus Scotch Brite Finish (commonly called Velvety Finish) - no pits or crevices permissible. (CEMA V)

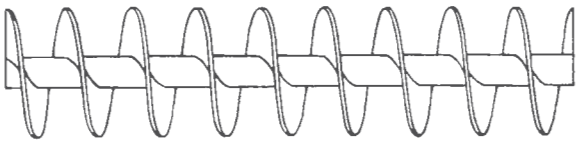
Special Features and Modifications

Conveyor Screw Special Features

The following descriptions cover the most commonly used special features available for equipping screw conveyors to perform various functions in conveying systems. When added to the many available standard constructions, these special features greatly broaden the range of usefulness of screw conveyors. While standard components are more desirable and practical in the design of a screw conveyor system, the inclusion of one or more of the following special features may result in a more compact or efficient overall arrangement.

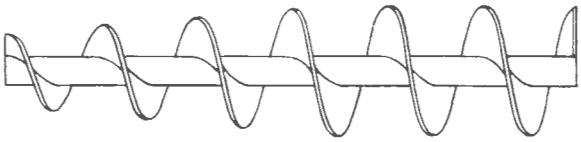
Short Pitch Conveyor Screw

Short pitch conveyor screws are of regular construction except that the pitch of the flights is made less than the outside diameter of the screw. These short pitch screws are recommended for use in inclined screw conveyors of slopes 20° and over. They also are used extensively as feeder screws, especially as the feeder portion of a uniform diameter conveyor screw consisting of a section of short pitch flights and the balance regular pitch. The cross-sectional loading of the regular pitch portion of the screw thus is controlled.



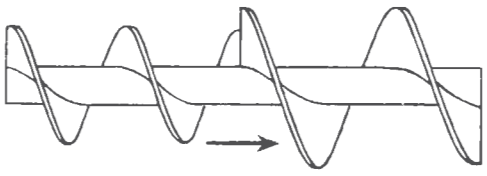
Tapering Flight Conveyor Screw

Tapering flight conveyor screws are frequently used as feeder screws for handling friable, lumpy materials from bins or hoppers. Tapered screws draw feed materials uniformly from the entire length of the feed opening. The trough tapers to suit.



Stepped Diameter Conveyor Screw

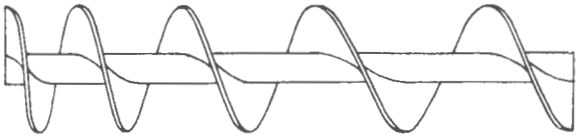
Stepped diameter conveyor screws consist of flights of different diameters, each with regular pitch, mounted in tandem on one pipe or solid shaft. They are frequently used as feeder screws, with the portion having the smaller diameter being under the feed opening of a bin or hopper, to regulate the flow of material. The screw portion with the smaller diameter usually operates in a correspondingly small trough.



Special Features and Modifications

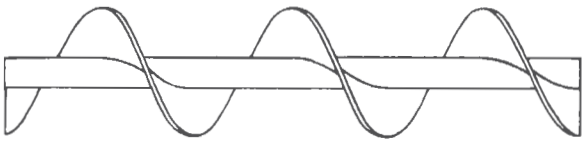
Stepped Pitch Conveyor Screw

Stepped pitch conveyor screws have succeeding single or groups of flights progressively increasing in pitch. They are used to draw free flowing materials uniformly from the entire length of the feed opening.



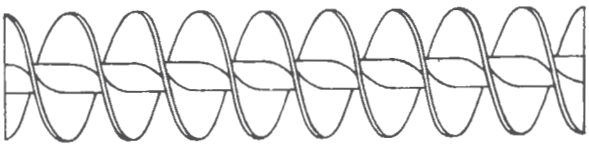
Long Pitch Conveyor Screws

Long pitch conveyor screws occasionally are used for rapid conveying of very free flowing materials or as agitators for liquids.



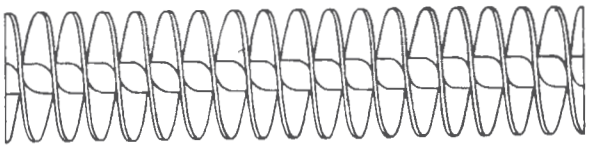
Double Flight Conveyor Screws

Double flight conveyor screws of regular pitch promote a smooth gentle flow and discharge of certain materials. Very short portions of double flight screws may be used either side of a hanger point, for smooth flow past the hanger.



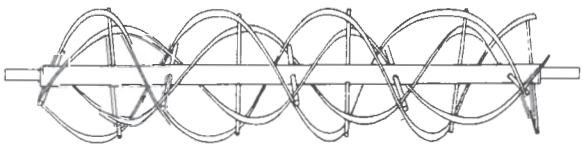
Double Flight Short Pitch Conveyor Screw

Double flight short pitch conveyor screws assure more accurate regulation of feed and flow in screw feeders and effectively deter the flushing action of materials that have become fluidized.



Multiple Ribbon Flight Conveyor Screws

This type of screw consists of two or more ribbon flights of different diameters and hand, mounted one within the other on the same pipe or solid shaft by rigid supporting lugs. Material is moved forward by one flight and backward by the other, thereby inducing positive and thorough mixing.



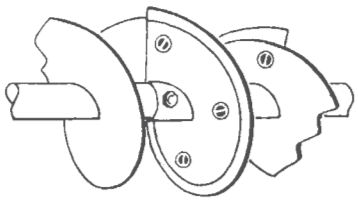
Special Features and Modifications

Conveyor Screw Modifications

Regular conveyor screws and many with special features, may be modified in arrangement or construction. The common modifications are described in the following text.

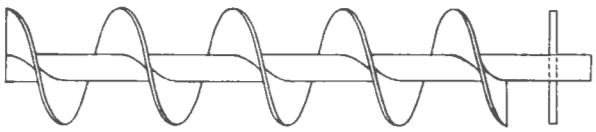
Bearing Shoes

Bearing shoes of nylon, teflon, brass and other materials are used in place of intermediate hanger bearings. The shoes are bolted to the periphery of the screw, and project radially beyond the flight edge thus preventing the metal flight from wearing the trough. These bearing shoes extend along the screw helix slightly more than one pitch and are located along the screw at the same distance as normal hangers.



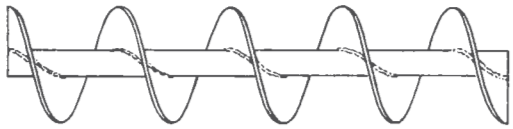
Breaker Pins

A breaker pin is a rod of length approximately equal to the screw diameter, inserted through and secured to the pipe shaft at the screw discharge point. These breaker pins aid the discharge by breaking up relatively soft lumpy materials.



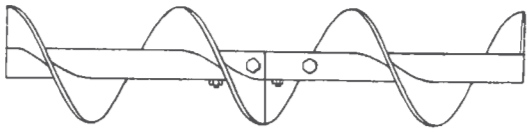
Continuous Welding of Screw Flights

To prevent ripping the flights from a conveyor screw under extremely heavy loads, the flights may be continuously welded to the pipe shaft on one or both flight sides. Continuously welded flights are also used to eliminate the small aperture between the flights and pipe, for sanitary purposes.



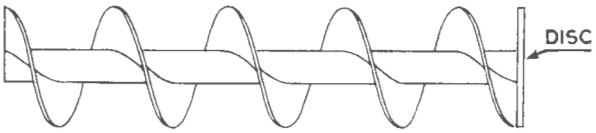
Close Coupled Conveyor Screw

Close coupled conveyor screws form a continuous helix. The space for the hanger bearing is omitted, and a short coupling shaft is used.



End Disc On Conveyor Screw

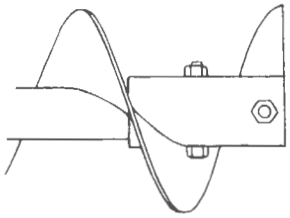
An end disc is the same diameter as the screw and is welded flush with the end of the pipe shaft at its discharge end and, of course, rotates with the screw. The end disc helps to keep discharging material away from the trough end seal.



Special Features and Modifications

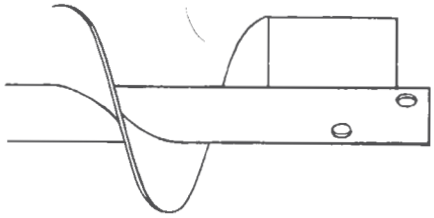
External Sleeves

External sleeves are welded to the outside of the conveyor screw pipe shafts at the ends where couplings are bolted, to reinforce the pipe at the bolt area.



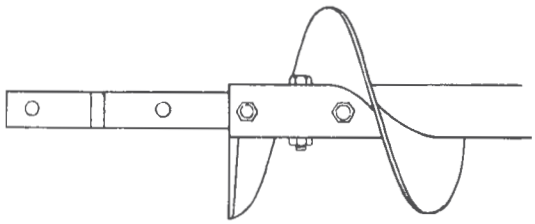
Kicker Bars

Kicker bars are flat bars projecting from the conveyor screw pipe shaft and extending to the outside of the screw. They are located over discharge spouts and assist in cleanly discharging the material.



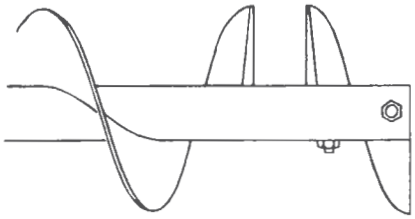
Multiple Hole Drilling

Multiple hole drilling of the screw conveyor pipe shaft and couplings or drive shafts increases the torque rating of the bolted screw sections.



Opposite Hand Flights

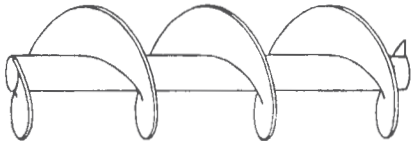
Opposite hand flights are short sections—approximately one half a pitch long—of flight added to the conveyor screw beyond the discharge point, these short flights being the opposite hand to the rest of the screw. These flights oppose the flow of material that tends to carry past the discharge spout and pack at the trough end plate, and forces the material back to the spout for discharge.



Special Features and Modifications

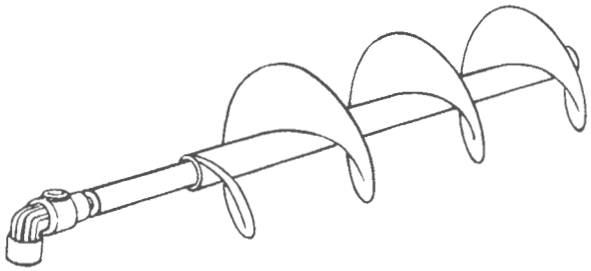
Odd Diameter Conveyor Screw

Odd diameter conveyor screws are of conventional construction except they may be over or under standard size. Such screws can provide close or wide clearance between the outside of the screw and the trough, making possible the use of standard size troughs, trough ends and hanger bearings.



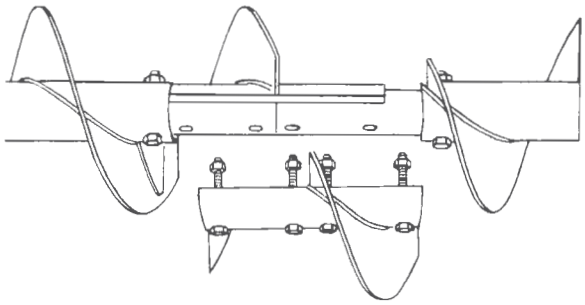
Rotary Joint For Conveyor Screw Pipe Shaft

When the hollow screw conveyor pipe shaft is used as a heat exchanger for heating or cooling, rotary joints are necessary to admit and discharge the steam or liquid.



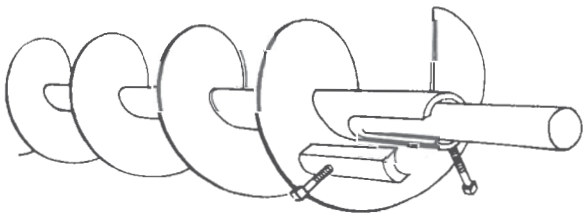
Split Flight Couplings

Split flight couplings permit installation or removal of individual sections of conveyor screw without disturbing adjoining sections. When they are installed on both sides of each hanger, sections of the screw can be removed without disturbing the hanger.



Removable Key Conveyor Screw

Removable key conveyor screws are designed for easy removal of screw sections from the conveyor trough. Each section of screw is provided with a removable key located at one end of its pipe shaft. By removing this key a screw conveyor section with coupling and hanger can be quickly removed from the trough without disturbing other components.

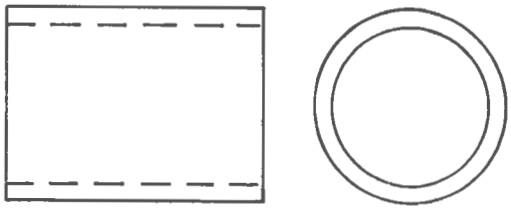


Conveyor Screw Components

Coupling Bolts

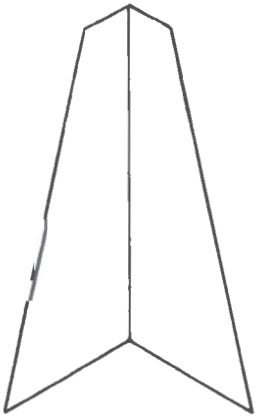
Coupling bolts are specially manufactured from high analysis steel to close tolerances. Due to short thread length, only the bolt shank is in contact with coupling and pipe ensuring full torque capacity and minimum wear.

A special lock type nut is provided with each coupling bolt.



Internal Collars

Internal collars are precision machined from high analysis steel tubing for a press fit into the conveyor pipe. Replacement collars are provided without coupling bolt holes and should be field drilled to match existing bolt holes in pipe.



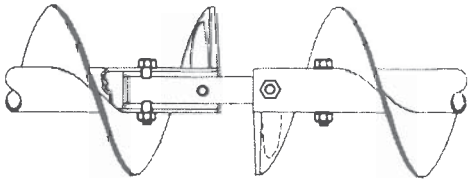
End Lugs

End lugs are formed with special dies from heavy gauge steel and are welded opposite the carrying face of the conveyor flight ends to prevent their deflection or distortion while presenting minimum obstruction to material flow.

Part numbers are established by hand of conveyor and whether at intake or discharge end of screw.

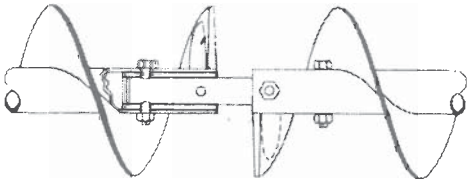
Conveyor Screws — Components

Coupling Bolts



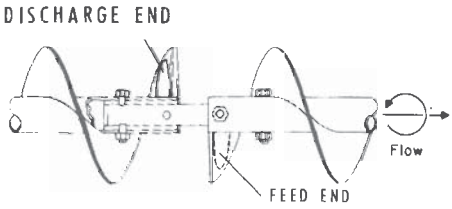
Coupling Diam.	Outside Pipe Diam.	Bolt Size	Part Number Standard	Part Number Hi-Torque	Weight Each Lbs.
1	1 5/8	3/8 x 2 1/16	CCB1	CCBX1	.13
1 1/2	2 3/8	1/2 x 3	CCB112	CCBX112	.25
2	2 7/8	5/8 x 3 5/8	CCB2	CCBX2	.50
2 7/16	3 1/2	5/8 x 4 3/8	CCB2716	CCBX2716	.56
3	4	3/4 x 5	CCB3	CCBX3	.75
3	4 1/2	3/4 x 5 1/2	CCB3A	CCBX3A	.88
3 7/16	4 1/2	7/8 x 5 1/2	CCB3716	CCBX3716	1.25
3 15/16	5 9/16	1 1/8 x 7	CCB31516	CCBX31516	2.5
4 7/16	5 9/16	1 1/4 x 7	CCB4716	CCBX4716	3.25
4 7/16	6 5/8	1 1/4 x 8	CCB4716A	CCBX4716A	3.5
4 15/16	6 5/8	1 1/2 x 8 3/8	CCB41516	CCBX41516	5.95

Internal Collar



Coupling Diameter	Inside Pipe Diameter	Part Number	Length	Weight Each Lbs.
1	1 1/4	CIC1	3	.7
1 1/2	2	CIC112	4 3/4	2.2
2	2 1/2	CIC2	4 3/4	2.4
2 7/16	3	CIC2716	4 7/8	4.1
3	3 1/2	CIC3	5	4.3
3	4	CIC3A	5	8.3
3 7/16	4	CIC3716	7	7.3
3 15/16	5	CIC31516	7 3/8	16.4
4 7/16	5	CIC4716	7 3/4	8.6
4 7/16	6	CIC4716A	7 3/4	30.9
4 15/16	6	CIC41516	8 1/2	23.2

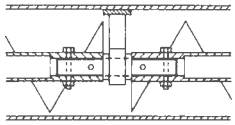
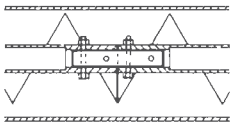
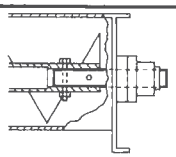
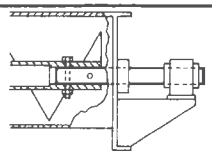
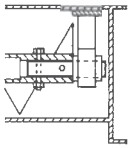
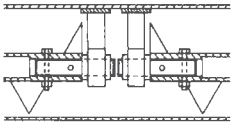
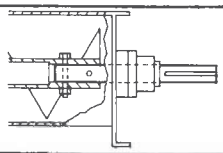
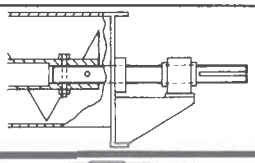
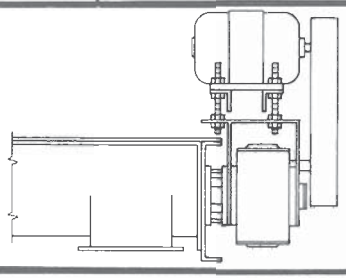
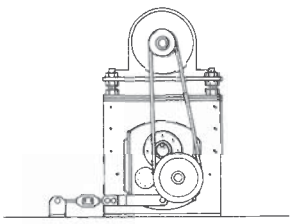
End Lugs



Conveyor Diameter	Part Number Intake End	Part Number Discharge End	Weight Each Lbs.
6	CEL61-*	CEL6D-*	.06
9	CEL9I-*	CEL9D-*	.15
10	CEL10I-*	CEL10D-*	.15
12	CEL12I-*	CEL12D-*	.43
14	CEL14I-*	CEL14D-*	.43
16	CEL16I-*	CEL16D-*	.68
18	CEL18I-*	CEL18D-*	.68
20	CEL20I-*	CEL20D-*	.68
24	CEL24I-*	CEL24D-*	.68

-*R For Right Hand Flight.
-*L For Left Hand Flight.

Shaft Index

COUPLING SHAFTS	STANDARD 	CLOSE COUPLING 	Standard couplings are used to join two sections of conveyor screw at a hanger bearing. A close coupling is used where the omission of the hanger bearing is desirable.	Page 27
END SHAFTS	STANDARD TROUGH END 	OUTBOARD BEARING TROUGH END 	End shafts are used to support the end of a conveyor section.	Page 28
HANGER END SHAFTS	TROUGH END 	MID-TROUGH 	Hanger end shafts are used where open end discharge is required. They may also be used in pairs where drives at both ends are required.	Page 29
DRIVE SHAFTS	STANDARD TROUGH END 	OUTBOARD BEARING TROUGH END 	Used with shaft mounted screw conveyor drives or chain sprockets.	Page 30
SCREW CONVEYOR DRIVE SHAFTS	(Side View) 		Screw conveyor drives are the most common of the drives used for screw conveyors. Drive shafts are standard with these units and do not have to be specified unless optional short shaft or S.S. shaft is desired.	
SHAFT MOUNTED REDUCER DRIVE SHAFTS	(End View) 		Reducer mounts on conveyor drive shaft. Motor and "V"-Belt drive may be in any convenient location. The torque arm may be fastened to the floor, or fitted to trough end. Requires extended drive shaft.	
THRUST BEARING SHAFTS	See Thrust Bearing Section of this catalogue.			Page 62 or 63

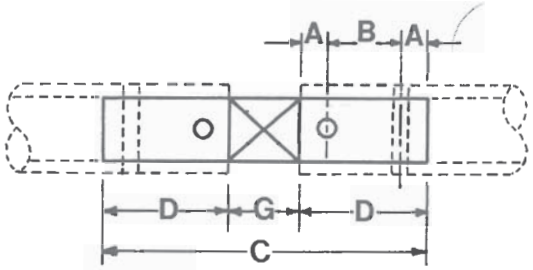
Shafting

In a screw conveyor, the drive, coupling and tail shafts usually are of the same diameter. They are drilled to match the drilled holes in the ends of the pipe shafts of the conveyor screw. All screw pipe shaft ends are bushed so that the shafts are a slip fit in them.

For conveying abrasive material, the coupling shafts are hardened.

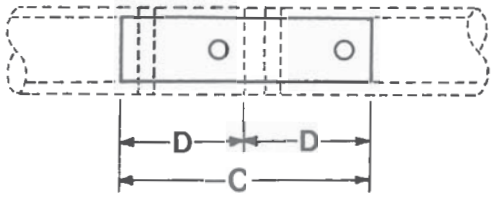
Shafts

Standard Coupling



Shaft Diameter	Part Number	A	B	C	D	G	Weight	Bolt Dia.
1	CC 1-*	1/2	2	7 1/2	3	1 1/2	1.5	3/8
1 1/2	CC 112-*	7/8	3	11 1/2	4 3/4	2	5.6	1/2
2	CC 2-*	7/8	3	11 1/2	4 3/4	2	9.8	5/8
2 7/16	CC 2716-*	15/16	3	12 3/4	4 7/8	3	15.4	5/8
3	CC 3-*	1	3	13	5	3	23.8	3/4
3 7/16	CC 3716-*	1 1/2	4	18	7	4	44.5	7/8
3 15/16	CC 31516-*	1 11/16	4	18 3/4	7 3/8	4	60.3	1 1/8
4 7/16	CC 4716-*	1 7/8	4	20 1/2	7 3/4	5	83.0	1 1/4
4 15/16	CC 41516-*	2 1/4	4	22	8 1/2	5	108.4	1 1/2

Close coupling



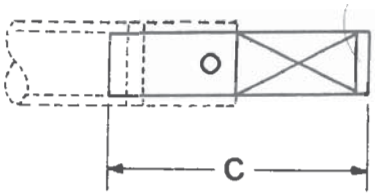
Shaft Diameter	Part Number Standard	C	D	Weight	Bolt Dia.
1	CCC 1-*	6	3	1.3	3/8
1 1/2	CCC 112-*	9 1/2	4 3/4	4.8	1/2
2	CCC 2-*	9 1/2	4 3/4	8.5	5/8
2 7/16	CCC 2716-*	9 3/4	4 7/8	12.9	5/8
3	CCC 3-*	10	5	20.0	3/4
3 7/16	CCC 3716-*	14	7	37.0	7/8
3 15/16	CCC 31516-*	14 3/4	7 3/8	46.5	1 1/8
4 7/16	CCC 4716-*	15 1/2	7 3/4	61.0	1 1/4
4 15/16	CCC 41516-*	17	8 1/2	81.7	1 1/2

*3 for std. Special three bolt connection
*4 for std. Special four bolt connection

*H Hardened
*SS Stainless Steel (Specify Type)

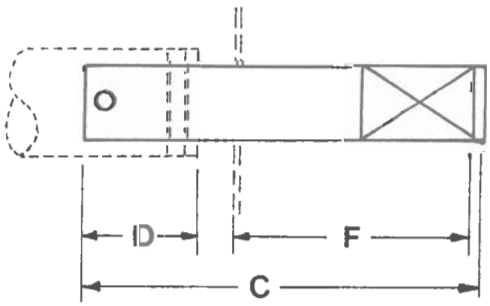
Shafts

Standard End Shaft



Shaft Dia.	Part Number	"C" Babbit Bearing W/Seal B-B	"C" Babbit Bearing Without Seal B-A	"C" Ball Bearing W/Seal BB-B	"C" Ball Bearing Without Seal BB-A	Wt.	"C" Roller Bearing Less Seal RB-A	"C" Roller Bearing W/CSF Seal RB-CSF	"C" Roller Bearing W/CSW Seal RB-CSW	Wt.	Bolt Dia.
1	CES1	8	6 1/4	7 3/8	5 5/8	1.8	—	—	—	—	3/8
1 1/2	CES112*	11	9 1/4	10	8 1/4	4.8	9 3/4	10 3/8	11 1/2	4.9	1/2
2	CES2*	12	10 1/4	10 3/8	8 5/8	9.4	9 7/8	10 1/2	11 5/8	8.8	5/8
2 7/16	CES2716*	13 5/8	11 7/8	11 3/8	9 5/8	14.9	11 1/8	11 3/4	12 7/8	14.7	5/8
3	CES3*	14 7/8	13 1/8	12 3/8	10 5/8	24.0	11 7/8	12 1/2	13 5/8	23.8	3/4
3 7/16	CES3716*	18 7/8	16 5/8	15 7/8	13 5/8	37.0	14 7/8	15 1/2	17 3/8	39.1	7/8
3 15/16	CES31516	—	—	—	—	—	16 1/2	17 1/8	19	56.9	1 1/8

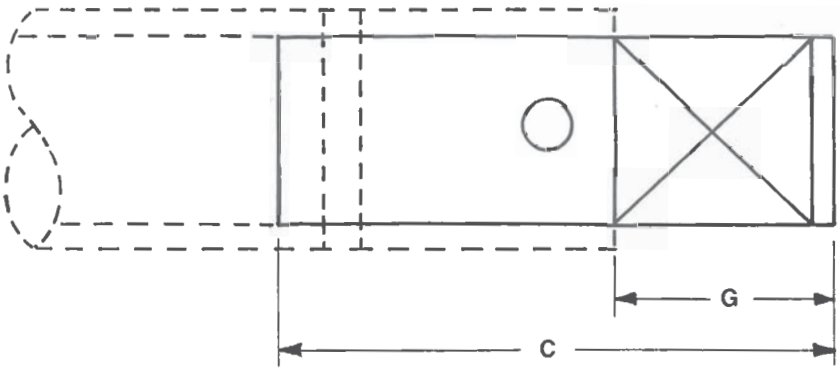
Pedestal Bearing End Shaft



Shaft Diameter	Part Number	C	D	E	F	Weight	Bolt Dia.
1 1/2	CES 2-112	12 3/16	4 3/4	1	6 3/16	6.0	1/2
2	CES 2-2	13 1/2	4 3/4	1	7 1/2	12.1	5/8
2 7/16	CES 2-2716	15 3/8	4 7/8	1 1/2	8 3/4	20.3	5/8
3	CES 2-3	16 1/2	5	1 1/2	9 3/4	33.16	3/4
3 7/16	CES 2-3716	20 3/4	7	2	11 1/2	55.6	7/8

*H Hardened
*SS Stainless Steel (Specify Type)
*3 for special three bolt connection
*4 for special four bolt connection

Hanger End Shaft

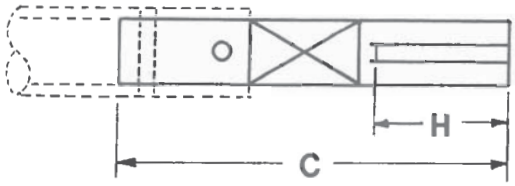


Shaft Diameter	Part Number Standard	C	G	Wt.	Bolt Dia.
1	CEH1-*	4 5/8	1 5/8	1.0	3/8
1 1/2	CEH112-*	6 7/8	2 1/8	3.5	1/2
2	CEH2-*	6 7/8	2 1/8	6.2	5/8
2 7/16	CEH2716-*	8 1/8	3 1/4	10.6	5/8
3	CEH3-*	8 1/4	3 1/4	16.5	3/4
3 7/16	CEH3716-*	11 1/4	4 1/4	29.7	7/8
3 15/16	CEH31516-*	11 5/8	4 1/4	37.9	1 1/8
4 7/16	CEH4716-*	13	5 1/4	53.6	1 1/4
4 15/16	CEH41516-*	13 3/4	5 1/4	69.2	1 1/2

*H Hardened
*SS Stainless Steel (Specify Type)

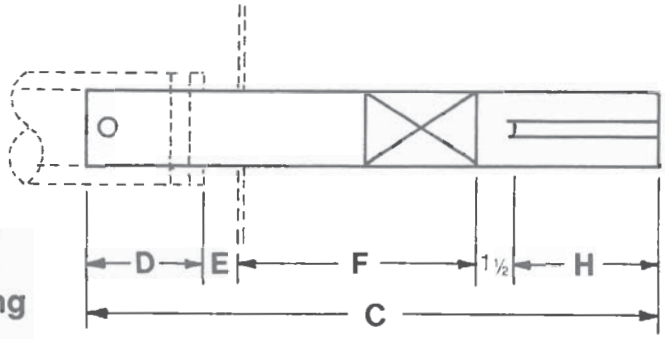
Shafts

No. 1 Drive



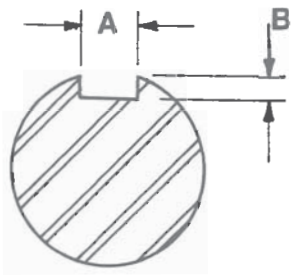
No. 1 Drive		"C" Babbit Bearing		"C" Ball Bearing				Bolts
Shaft Dia.	Part Number	W/Seal B-B	Without Seal B-A	W/Seal BB-B	Without Seal BB-A	H	Wt.	Dia. Req'd
1 1/2	CD112*	14 1/4	12 1/2	13 1/4	11 1/2	3 1/4	6.5	1/2
2	CD2*	16 1/2	14 3/4	14 7/8	13 1/8	4 1/2	13.0	5/8
2 7/16	CD2716*	19 1/8	17 3/8	16 7/8	15 1/8	5 1/2	21.0	5/8
3	CD3*	20 7/8	19 1/8	18 3/8	16 5/8	6	36.0	3/4
3 7/16	CD3716*	26 1/8	23 7/8	23 1/8	20 7/8	7 1/4	55.0	7/8

NO. 2 DRIVE
Pedestal Bearing Drive Shaft



Shaft Diameter	Part Number	C	D	E	F	H	Weight	Bolt Dia.
1 1/2	CD 2-112	16 11/16	4 3/4	1	6 3/16	3 1/4	8.4	1/2
2	CD 2-2	19 1/4	4 3/4	1	7 1/2	4 1/2	17.1	5/8
2 7/16	CD 2-2716	22 1/8	4 7/8	1 1/2	8 3/4	5 1/2	29.2	5/8
3	CD 2-3	23 3/4	5	1 1/2	9 3/4	6	47.6	3/4
3 7/16	CD 2-3716	29 1/4	7	2	11 1/2	7 1/4	77.0	7/8

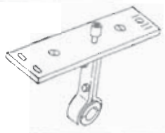
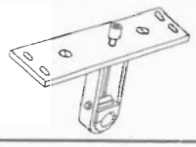
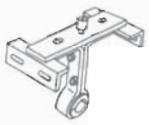
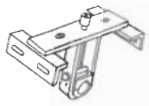
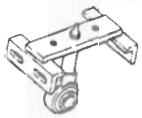
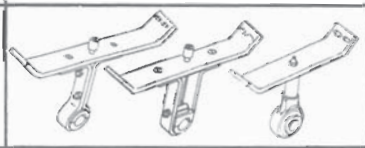
*H Hardened
*SS Stainless Steel (Specify Type)
*3 for special three bolt connection
*4 for special four bolt connection



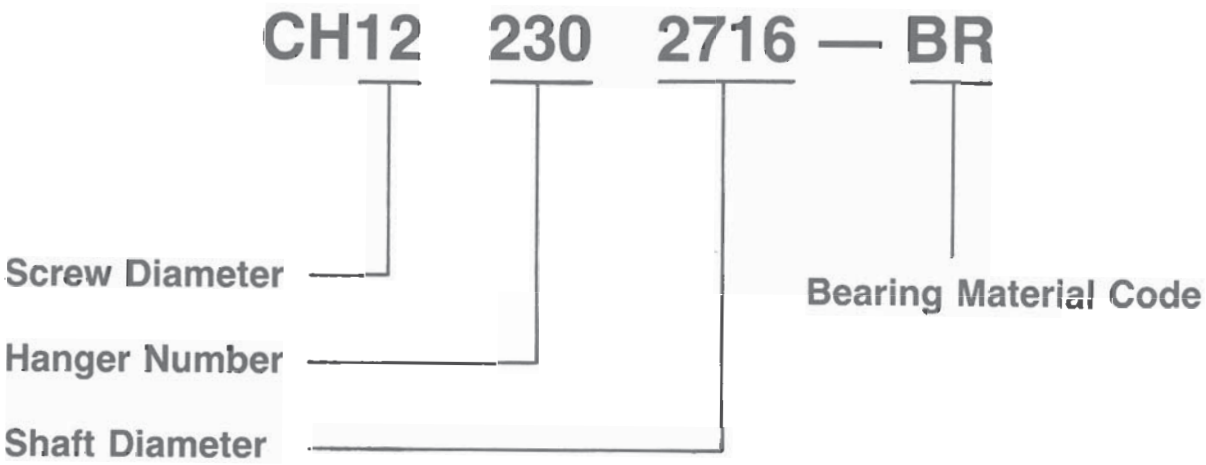
DRIVE SHAFT KEYWAYS

Shaft Dia.	A	B
1 1/2	3/8	3/16
2	1/2	1/4
2 7/16	5/8	5/16
3	3/4	3/8
3 7/16	7/8	7/16

Hanger Index

—	—	Numerical Designation System for Hangers	Page 31
No. 226		Top plate mounted flush with trough flanges. Minimum flow obstruction.	Page 32
No. 216		Top plate mounted flush with trough flanges. Constructed for heavy duty or high abrasion applications.	Page 33
No. 70		Top plate mounted flush with trough flanges. Self-aligning sealed ball bearing.	Page 34
No. 220		Top plate mounted on top of trough flanges. Minimum flow obstruction.	Page 35
No. 230		Top plate mounted on top of trough flanges. Constructed for heavy duty or high abrasion applications.	Page 36
No. 60		Top plate mounted on top of trough flanges. Self-aligning sealed ball bearing.	Page 37
No. 326		Top plate has special expansion mounting brackets. For high temperature applications. Allows for unequal expansion between trough & conveyor screws.	Page 38
Style 316		Top plate has special expansion mounting brackets. Constructed for heavy duty or high abrasion applications.	Page 39
Style 370		Top plate has special expansion mounting brackets. Self-aligning sealed ball bearings.	Page 40
226-F 216-F 70-F		Hangers for Flared Trough	Page 41 42 43
Type CBX Type CB Type CBB	Hanger Bearings	Type CBX for hanger Nos. 220, 226, and 326. Type CB for hanger Nos. 216, 230, and 316. Type CBB for hanger Nos. 70, 60, and 370.	Page 44

Numerical Designation System for Hangers



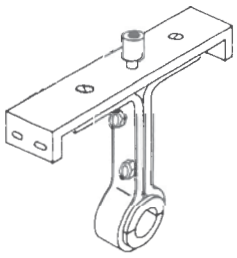
1 = 1″
112 = 1½″
2 = 2″
2716 = 2 7/16″
3 = 3″
3716 = 3 7/16″

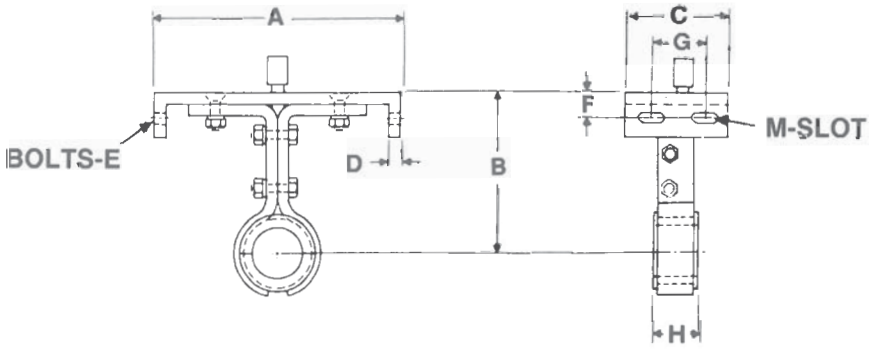
B = Babbitt
BR = Bronze
H = Hard Iron
W = Oil Impregnated Wood
N = Teflon Filled Nylon

Lubrications fittings supplied as standard with all Babbitt, Bronze, and Ball Bearings.
All types fabricated from mild steel as standard.
Fabricated types also available in 304 or 316 stainless steel, monel, inconel, and other alloys.

Hangers

Style 226

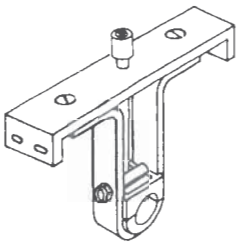


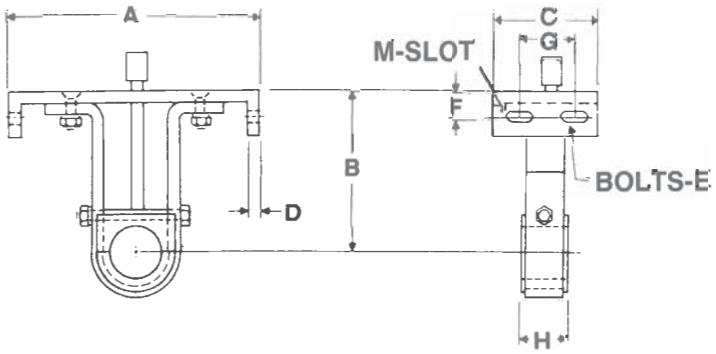


Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
4	1	CH42261-*	5	3 5/8	4	1/4	1/4	5/8	2	1 1/2	5/16X7/16	4
6	1 1/2	CH6226112-*	7	4 1/2	4	1/4	3/8	3/4	2 1/2	2	7/16X7/8	6
9	1 1/2	CH9226112-*	10	6 1/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	8
	2	CH92262-*	10	6 1/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	9
10	1 1/2	CH10226112-*	11	6 3/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	9
	2	CH102262-*	11	6 3/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	11
12	2	CH122262-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	2	7/16X7/8	13
	2 7/16	CH122262716-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	3	9/16X3/4	18
	3	CH122263-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	3	9/16X3/4	24
14	2 7/16	CH142262716-*	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	22
	3	CH142263-*	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	29
16	3	CH162263-*	17	10 5/8	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	34
18	3	CH182263-*	19	12 1/8	5	1/2	5/8	1 5/8	3 1/2	3	9/16X3/4	35
	3 7/16	CH182263716-*	19	12 1/8	5	1/2	5/8	1 5/8	3 1/2	4	11/16X7/8	46
20	3	CH202263-*	21	13 1/2	5	1/2	5/8	1 5/8	3 1/2	3	11/16X7/8	41
	3 7/16	CH202263716-*	21	13 1/2	5	1/2	5/8	1 5/8	3 1/2	4	11/16X7/8	52
24	3 7/16	CH242263716-*	25	16 1/2	5	1/2	5/8	1 3/4	3 1/2	4	11/16X7/8	63

Hangers

Style 216

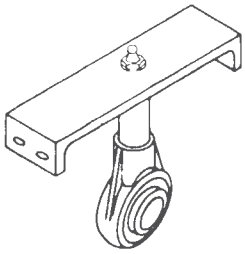


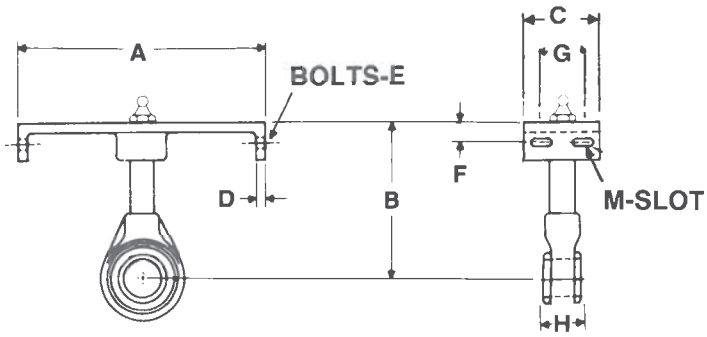


Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH6216112-*	7	4 1/2	4	1/4	3/8	3/4	2 1/2	2	7/16X7/8	5
9	1 1/2	CH9216112-*	10	6 1/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	7
	2	CH92162-*	10	6 1/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	9
10	1 1/2	CH10216112-*	11	6 3/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	8
	2	CH102162-*	11	6 3/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	10
12	2	CH122162-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	2	7/16X7/8	14
	2 7/16	CH122162716-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	3	9/16X3/4	18
	3	CH122163-*	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	3	9/16X3/4	21
14	2 7/16	CH142162716-*	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	23
	3	CH142163-*	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	25
16	3	CH162163-*	17	10 5/8	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	28
18	3	CH182163-*	19	12 1/8	5	1/2	5/8	1 5/8	3 1/2	3	9/16X3/4	34
	3 7/16	CH182163716-*	19	12 1/8	5	1/2	5/8	1 5/8	3 1/2	4	11/16X7/8	44
20	3	CH202163-*	21	13 1/2	5	1/2	5/8	1 5/8	3 1/2	3	11/16X7/8	36
	3 7/16	CH202163716-*	21	13 1/2	5	1/2	5/8	1 5/8	3 1/2	4	11/16X7/8	47
24	3 7/16	CH242163716-*	25	16 1/2	5	1/2	5/8	1 3/4	3 1/2	4	11/16X7/8	53

Hangers

Style 70

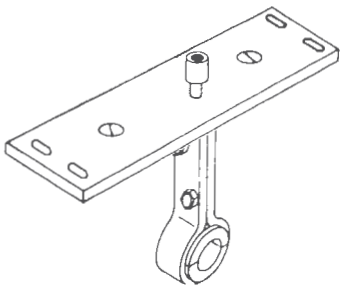


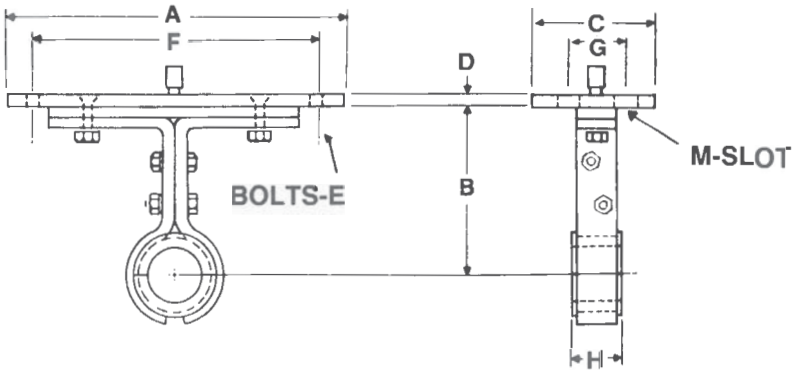


Conveyor Diameter	Coupling Diameter	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH670112	7	4 1/2	4	1/4	3/8	3/4	2 1/2	1 15/16	7/16X7/8	7
9	1 1/2	CH970112	10	6 1/8	4	1/4	3/8	1	2 1/2	1 15/16	7/16X7/8	8
	2	CH9702	10	6 1/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	9
10	1 1/2	CH1070112	11	6 3/8	4	1/4	3/8	1	2 1/2	1 15/16	7/16X7/8	9
	2	CH10702	11	6 3/8	4	1/4	3/8	1	2 1/2	2	7/16X7/8	10
12	2	CH12702	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	2	9/16X3/4	12
	2 7/16	CH12702716	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	2 5/16	9/16X3/4	20
	3	CH12703	13	7 3/4	5	3/8	1/2	1 1/4	2 1/2	3	9/16X3/4	30
14	2 7/16	CH14702716	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	2 5/16	9/16X3/4	21
	3	CH14703	15	9 1/4	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	32
16	3	CH16703	17	10 5/8	5	3/8	1/2	1 3/8	2 1/2	3	9/16X3/4	35
18	3	CH18703	19	12 1/8	5	1/2	5/8	1 5/8	3 1/2	3	11/16X7/8	40
20	3	CH20703	21	13 1/2	5	1/2	5/8	1 5/8	3 1/2	3	11/16X7/8	45
24	3 7/16	CH24703716	25	16 1/2	5	1/2	5/8	1 3/4	3 1/2	3 1/2	11/16X7/8	51

Hangers

Style 220

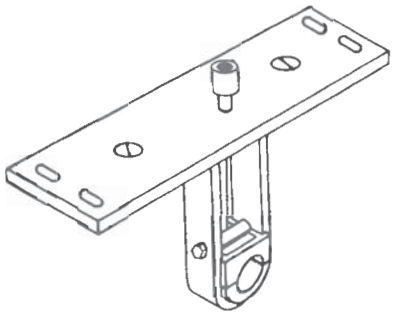


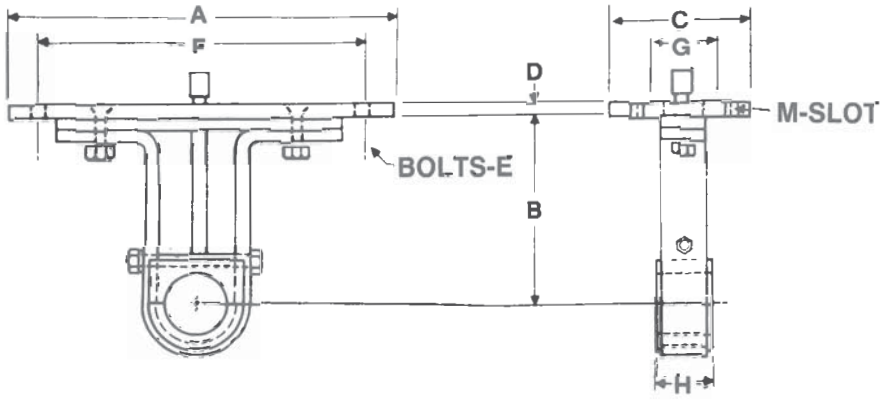


Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
4	1	CH42201-*	7 1/4	3 5/8	4	1/4	1/4	6 1/4	2	1 1/2	5/16X7/16	5
6	1 1/2	CH6220112-*	9 3/4	4 1/2	4	1/4	3/8	8 3/4	2 1/2	2	7/16X7/8	7
9	1 1/2	CH9220112-*	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	2	7/16X7/8	9
	2	CH92202-*	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	2	7/16X7/8	11
10	1 1/2	CH10220112-*	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	2	7/16X7/8	10
	2	CH102202-*	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	2	7/16X7/8	12
12	2	CH122202-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	2	9/16X3/4	16
	2 7/16	CH122202716-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	3	9/16X3/4	21
	3	CH122203-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	3	9/16X3/4	28
14	2 7/16	CH142202716-*	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	3	9/16X3/4	26
	3	CH142203-*	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	3	9/16X3/4	33
16	3	CH162203-*	21 1/2	10 5/8	5	3/8	1/2	19 3/4	2 1/2	3	9/16X3/4	39
18	3	CH182203-*	24 1/2	12 1/8	5	1/2	5/8	22 1/4	3 1/2	3	11/16X7/8	41
	3 7/16	CH182203716-*	24 1/2	12 1/8	5	1/2	5/8	22 1/4	3 1/2	4	11/16X7/8	49
20	3	CH202203-*	26 1/2	13 1/2	5	1/2	5/8	24 1/4	3 1/2	3	11/16X7/8	43
	3 7/16	CH202203716-*	26 1/2	13 1/2	5	1/2	5/8	24 1/4	3 1/2	4	11/16X7/8	51
24	3 7/16	CH242203716-*	30 1/2	16 1/2	5	1/2	5/8	28 1/4	3 1/2	4	11/16X7/8	57

Hangers

Style 230

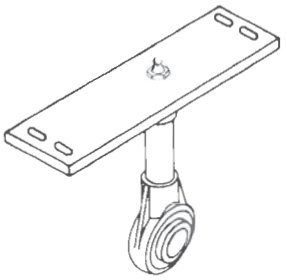


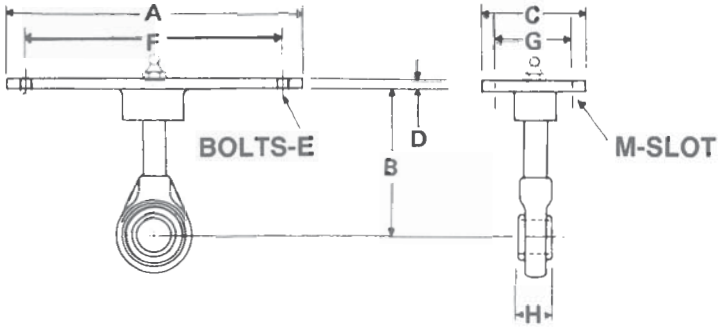


Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH6230112-*	9 3/4	4 1/2	4	1/4	3/8	8 3/4	2 1/2	2	7/16X7/8	6
9	1 1/2	CH9230112-*	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	2	7/16X7/8	8
	2	CH92302-*	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	2	7/16X7/8	10
10	1 1/2	CH10230112-*	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	2	7/16X7/8	9
	2	CH102302-*	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	2	7/16X7/8	11
12	2	CH122302-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	2	9/16X3/4	15
	2 7/16	CH122302716-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	3	9/16X3/4	20
	3	CH122303-*	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	3	9/16X3/4	25
14	2 7/16	CH142302716-*	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	3	9/16X3/4	24
	3	CH142303-*	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	3	9/16X3/4	29
16	3	CH162303-*	21 1/2	10 5/8	5	3/8	1/2	19 3/4	2 1/2	3	9/16X3/4	35
18	3	CH182303-*	24 1/2	12 1/8	5	1/2	5/8	22 1/4	3 1/2	3	11/16X7/8	34
	3 7/16	CH182303716-*	24 1/2	12 1/8	5	1/2	5/8	22 1/4	3 1/2	4	11/16X7/8	47
20	3	CH202303-*	26 1/2	13 1/2	5	1/2	5/8	24 1/4	3 1/2	3	11/16X7/8	40
	3 7/16	CH202303716-*	26 1/2	13 1/2	5	1/2	5/8	24 1/4	3 1/2	4	11/16X7/8	49
24	3 7/16	CH242303716-*	30 1/2	16 1/2	5	1/2	5/8	28 1/4	3 1/2	4	11/16X7/8	55

Hangers

Style 60

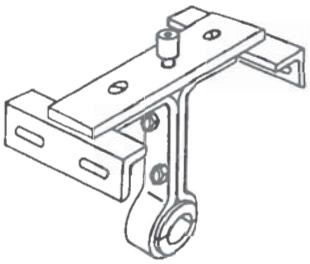


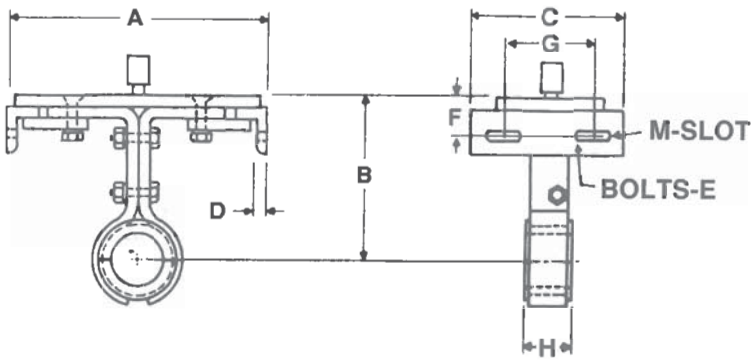


Conveyor Diameter	Coupling Diameter	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH660112	9 3/4	4 1/2	4	1/4	3/8	8 3/4	2 1/2	1 15/16	7/16X7/8	7
9	1 1/2	CH960112	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	1 15/16	7/16X7/8	8
	2	CH9602	13 1/2	6 1/8	4	1/4	3/8	12 1/4	2 1/2	2	7/16X7/8	9
10	1 1/2	CH1060112	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	1 15/16	7/16X7/8	9
	2	CH10602	14 1/2	6 3/8	4	1/4	3/8	13 1/4	2 1/2	2	7/16X7/8	10
12	2	CH12602	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	2	9/16X3/4	12
	2 7/16	CH12602716	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	2 5/16	9/16X3/4	20
	3	CH12603	17 1/2	7 3/4	5	3/8	1/2	15 3/4	2 1/2	3	9/16X3/4	30
14	2 7/16	CH14602716	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	2 5/16	9/16X3/4	21
	3	CH14603	19 1/2	9 1/4	5	3/8	1/2	17 3/4	2 1/2	3	9/16X3/4	32
16	3	CH16603	21 1/2	10	5	3/8	1/2	19 3/4	2 1/2	3	9/16X3/4	35
18	3	CH18603	24 1/2	12 1/8	5	1/2	5/8	22 1/4	3 1/2	3	11/16X7/8	40
20	3	CH20603	26 1/2	13 1/2	5	1/2	5/8	24 1/4	3 1/2	3	11/16X7/8	45
24	3 7/16	CH24603716	30 1/2	16 1/2	5	1/2	5/8	28 1/4	3 1/2	3 1/2	11/16X7/8	51

Hangers

Style 326

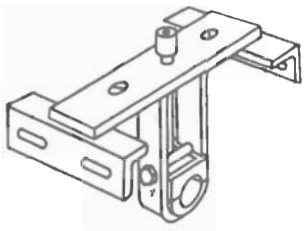


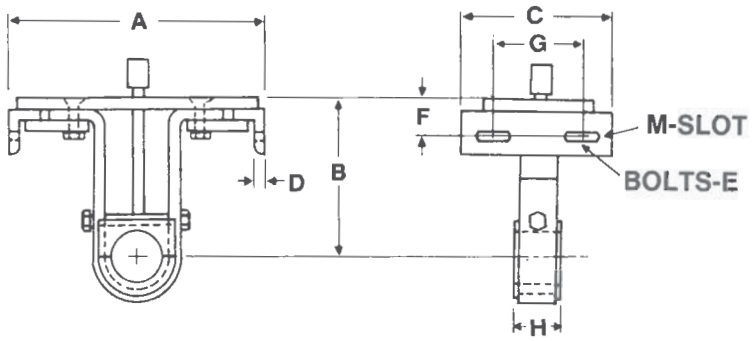


Conveyor Diameter	Coupling Size	Part Number Style 326	A	B	C	D	E	F	G	H	M Slot	Wt.
4	1	CH43261-*	5	3 5/8	5	1/8	1/4	5/8	2	1 1/2	5/16 x 7/16	5
6	1 1/2	CH6326112-*	7	4 1/2	6	1/8	3/8	3/4	2 1/2	2	7/16 x 7/8	7
9	1 1/2	CH9326112-*	10	6 1/8	6	3/16	3/8	1	2 1/2	2	7/16 x 7/8	9
	2	CH93262-*	10	6 1/8	6	3/16	3/8	1	2 1/2	2	7/16 x 7/8	10
10	1 1/2	CH10326112-*	11	6 3/8	6	3/16	3/8	1	2 1/2	2	7/16 x 7/8	10
	2	CH103262-*	11	6 3/8	6	3/16	3/8	1	2 1/2	2	7/16 x 7/8	11
12	2	CH123262-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	2	9/16 x 3/4	14
	2 7/16	CH123262716-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	3	9/16 x 3/4	19
	3	CH123263-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	3	9/16 x 3/4	25
14	2 7/16	CH143262716-*	15	9 1/4	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16 x 3/4	23
	3	CH143263-*	15	9 1/4	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16 x 3/4	31
16	3	CH163263-*	17	10 5/8	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16 x 3/4	36
18	3	CH183263-*	19	12 1/8	6 1/2	1/4	5/8	1 5/8	3 1/2	3	11/16 x 7/8	37
	3 7/16	CH183263716-*	19	12 1/8	7	1/4	5/8	1 5/8	3 1/2	4	11/16 x 7/8	48
20	3	CH203263-*	21	13 1/2	6 1/2	1/4	5/8	1 5/8	3 1/2	3	11/16 x 7/8	38
	3 7/16	CH203263716-*	21	13 1/2	7	1/4	5/8	1 5/8	3 1/2	4	11/16 x 7/8	51
24	3 7/16	CH243263716-*	25	16 1/2	7	1/4	5/8	1 3/4	3 1/2	4	11/16 x 7/8	58

Hangers

Style 316

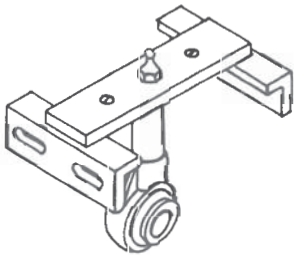


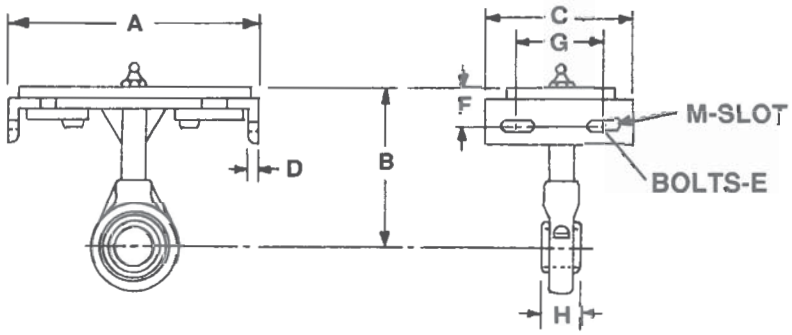


Conveyor Diameter	Coupling Size	Part Number Style 316	A	B	C	D	E	F	G	H	M Slot	Wt.
4	1	CH4316112	5	3 5/8	5	1/8	1/4	5/8	2	1 1/2	5/16X7/16	5
6	1 1/2	CH6316112-*	7	4 1/2	6	1/8	3/8	3/4	2 1/2	2	7/16X7/8	7
9	1 1/2	CH9316112-*	10	6 1/8	6	3/16	3/8	1	2 1/2	2	7/16X7/8	9
	2	CH93162-*	10	6 1/8	6	3/16	3/8	1	2 1/2	2	7/16X7/8	10
10	1 1/2	CH10316112-*	11	6 3/8	6	3/16	3/8	1	2 1/2	2	7/16X7/8	11
	2	CH103162-*	11	6 3/8	6	3/16	3/8	1	2 1/2	2	7/16X7/8	12
12	2	CH123162-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	2	9/16X3/4	14
	2 7/16	CH123162716-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	3	9/16X3/4	19
	3	CH123163-*	13	7 3/4	6 1/2	3/16	1/2	1 1/4	2 1/2	3	9/16X3/4	25
14	2 7/16	CH143162716-*	15	9 1/4	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16X3/4	23
	3	CH143163-*	15	9 1/4	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16X3/4	31
16	3	CH163163-*	17	10 5/8	6 1/2	1/4	1/2	1 3/8	2 1/2	3	9/16X3/4	36
18	3	CH183163-*	19	12 1/8	6 1/2	1/4	5/8	1 5/8	3 1/2	3	11/16X7/8	37
	3 7/16	CH183163716-*	19	12 1/8	7	1/4	5/8	1 5/8	3 1/2	4	11/16X7/8	48
20	3	CH203163-*	21	13 1/2	6 1/2	1/4	5/8	1 5/8	3 1/2	3	11/16X7/8	38
	3 7/16	CH203163716-*	21	13 1/2	7	1/4	5/8	1 5/8	3 1/2	4	11/16X7/8	51
24	3 7/16	CH243163716-*	25	16 1/2	7	1/4	5/8	1 3/4	3 1/2	4	11/16X7/8	58

Hangers

Style 370

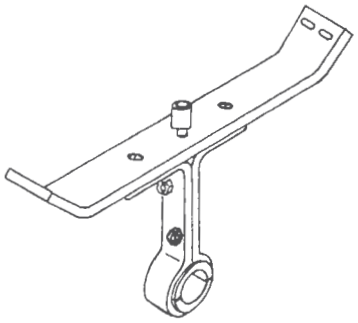


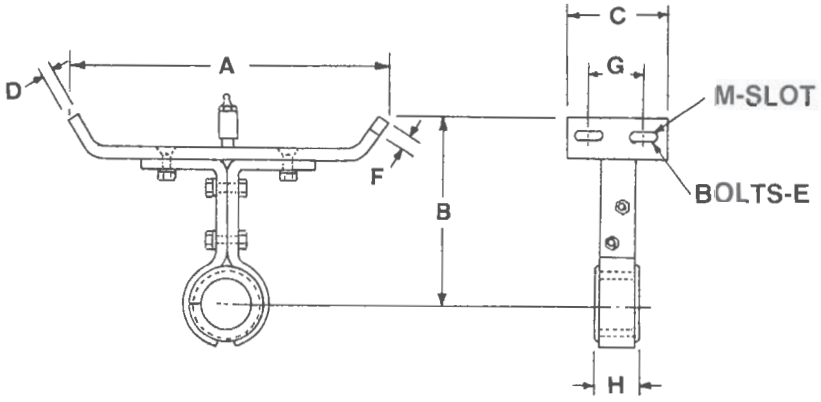


Conveyor Diameter	Coupling Diameter	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH6370112	7	4 1/2	4	1/8	3/8	3/4	2 1/2	1 15/16	7/16 x 7/8	7
9	1 1/2	CH9370112	10	6 1/8	4	3/16	3/8	1	2 1/2	1 15/16	7/16 x 7/8	8
	2	CH93702	10	6 1/8	4	3/16	3/8	1	2 1/2	2	7/16 x 7/8	9
10	1 1/2	CH10370112	11	6 3/8	4	3/16	3/8	1	2 1/2	1 15/16	7/16 x 7/8	9
	2	CH103702	11	6 3/8	4	3/16	3/8	1	2 1/2	2	7/16 x 7/8	10
12	2	CH123702	13	7 3/4	5	3/16	1/2	1 1/4	2 1/2	2	9/16 x 3/4	12
	2 7/16	CH123702716	13	7 3/4	5	3/16	1/2	1 1/4	2 1/2	2 5/16	9/16 x 3/4	20
	3	CH123703	13	7 3/4	5	3/16	1/2	1 1/4	2 1/2	3	9/16 x 3/4	30
14	2 7/16	CH143702716	15	9 1/4	5	1/4	1/2	1 3/8	2 1/2	2 5/16	9/16 x 3/4	21
	3	CH143703	15	9 1/4	5	1/4	1/2	1 3/8	2 1/2	3	9/16 x 3/4	32
16	3	CH163703	17	10 5/8	5	1/4	1/2	1 3/8	2 1/2	3	9/16 x 3/4	35
18	3	CH163703	19	12 1/8	5	1/4	5/8	1 5/8	3 1/2	3	11/16 x 7/8	40
20	3	CH203703	21	13 1/2	5	1/4	5/8	1 5/8	3 1/2	3	11/16 x 7/8	45
24	3 7/16	CH243703716	25	16 1/2	5	1/4	5/8	1 3/4	3 1/2	4	11/16 x 7/8	51

Hangers

Style 226 F

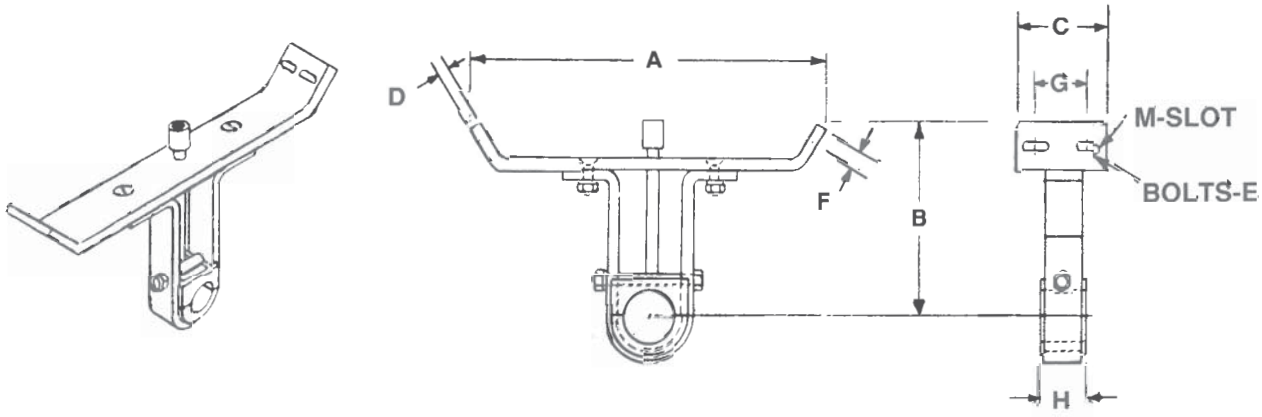




Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH6226112F-*	14	7	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	6
9	1 1/2	CH9226112F-*	18	9	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	8
	2	CH92262F-*	18	9	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	9
10	1 1/2	CH10226112F-*	20	8 1/2	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	9
	2	CH102262F-*	20	8 1/2	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	11
12	2	CH122262F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	2	9/16 x 3/4	13
	2 7/16	CH122262716F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	18
	3	CH122263F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	24
14	2 7/16	CH142262716F-*	24	11	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	22
	3	CH142263F-*	24	11	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	29
16	3	CH162263F-*	28	11 1/2	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	34
18	3	CH182263F-*	31	12 1/8	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	35
	3 7/16	CH182263716F-*	31	12 1/8	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	45
20	3	CH202263F-*	34	13 1/2	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	41
	3 7/16	CH202263716F-*	34	13 1/2	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	52
24	3 7/16	CH242263716F-*	40	16 1/2	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	63

Hangers

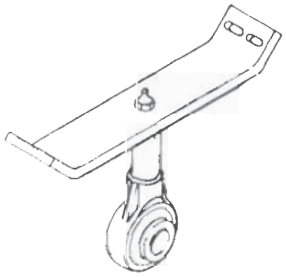
Style 216 F

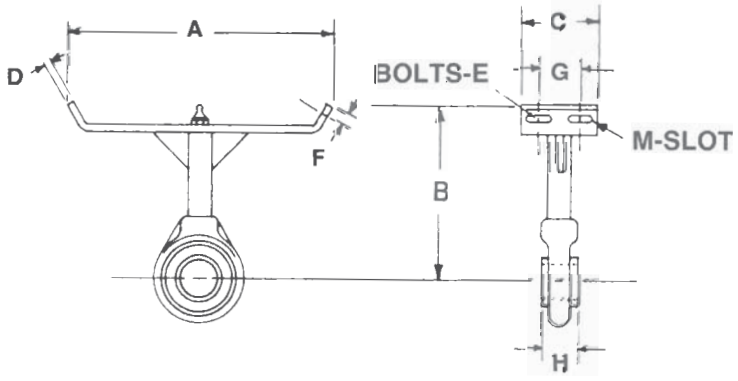


Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH6216112F-*	14	7	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	5
9	1 1/2	CH9216112F-*	18	9	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	7
	2	CH92162F-*	18	9	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	9
10	1 1/2	CH10216112F-*	20	8 1/2	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	8
	2	CH102162F-*	20	8 1/2	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	10
12	2	CH122162F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	2	9/16 x 3/4	14
	2 7/16	CH122162716F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	18
	3	CH122163F-*	22	10	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	21
14	2 7/16	CH142162716F-*	24	11	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	23
	3	CH142163F-*	24	11	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	25
16	3	CH162163F-*	28	11 1/2	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	28
18	3	CH182163F-*	31	12 1/8	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	34
	3 7/16	CH182163716F-*	31	12 1/8	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	44
20	3	CH202163F-*	34	13 1/2	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	36
	3 7/16	CH202163716F-*	34	13 1/2	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	47
24	3 7/16	CH242163716F-*	40	16 1/2	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	53

Hangers

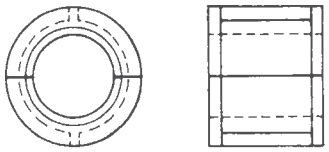
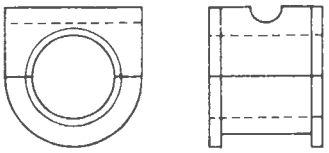
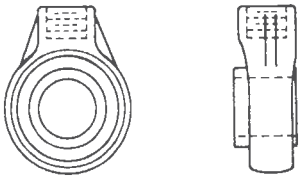
Style 70 F





Conveyor Diameter	Coupling Size	Part Number	A	B	C	D	E	F	G	H	M Slot	Weight Each
6	1 1/2	CH670112F	14	7	4	1/4	3/8	7/8	2 1/2	1 15/16	7/16 x 7/8	7
9	1 1/2	CH970112F	18	9	4	1/4	3/8	7/8	2 1/2	1 15/16	7/16 x 7/8	8
	2	CH9702F	18	9	4	1/4	3/8	7/8	2 1/2	2	7/16 x 7/8	9
10	1 1/2	CH1070112F	20	8 1/2	4	1/4	3/8	1	2 1/2	1 15/16	7/16 x 7/8	9
	2	CH10702F	20	8 1/2	4	1/4	3/8	1	2 1/2	2	7/16 x 7/8	10
12	2	CH12702F	22	10	5	3/8	1/2	1 1/8	2 1/2	2	9/16 x 3/4	12
	2 7/16	CH12702716F	22	10	5	3/8	1/2	1 1/8	2 1/2	2 5/16	9/16 x 3/4	20
	3	CH12703F	22	10	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	30
14	2 7/16	CH14702716F	24	11	5	3/8	1/2	1 1/8	2 1/2	2 5/16	9/16 x 3/4	21
	3	CH14703F	24	11	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	32
16	3	CH16703F	28	11 1/2	5	3/8	1/2	1 1/8	2 1/2	3	9/16 x 3/4	35
18	3	CH18703F	31	12 1/8	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	40
20	3	CH20703F	34	13 1/2	5	1/2	5/8	1 1/2	3 1/2	3	11/16 x 7/8	45
24	3 7/16	CH24703716F	40	16 1/2	5	1/2	5/8	1 1/2	3 1/2	4	11/16 x 7/8	51

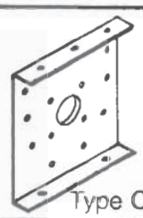
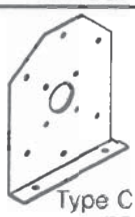
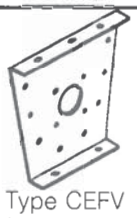
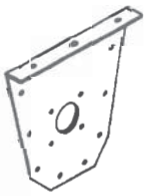
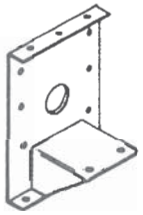
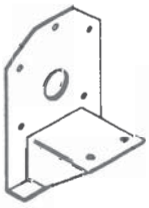
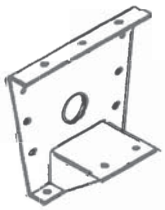
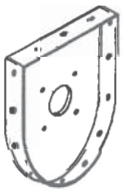
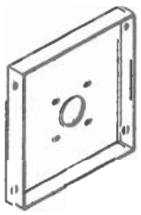
Hanger Bearings

Hanger type	Bearing	Bore	Part Number	Wt.
220 226 326		1	CBX 1-*	.50
		1 1/2	CBX 112-*	1.0
		2	CBX 2-*	2.0
		2 7/16	CBX 2716-*	4.0
		3	CBX 3-*	5.0
		3 7/16	CBX 3716-*	9.0
		3 15/16	CBX 31516 *	
216 230 316		1	CB 161-*	.50
		1 1/2	CB 16112-*	1.6
		2	CB 162-*	2.7
		2 7/16	CB 162716-*	6.2
		3	CB 163-*	8.0
		3 7/16	CB 163716-*	13.7
		3 15/16	CB1631516 *	
		4 7/16	CB164716 *	
		4 15/16	CB1641516 *	
60 70 370		1	CBB 1	2.0
		1 1/2	CBB 112	3.5
		2	CBB 2	5.6
		2 7/16	CBB 2716	9.0
		3	CBB 3	18.0
		3 7/16	CBB 3716	25.2

-*B Babbitt
-*BR Bronze
-*H Hard Iron
-*N Nylon
-*W Wood

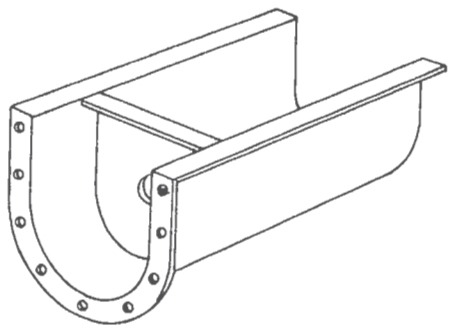
-*Stellite
-*OB Oil Impregnated Bronze
-*G Gatke Grafitex
-*BG Bronze Graphite Plugs
-*NR Nylatron (White)
*U.H.M.W Ultra High Molecular Weight

Trough End Index

	U-TROUGH	TUBULAR TROUGH	FLARED TROUGH	RECTANGULAR TROUGH		
TROUGH ENDS WITH FEET	 Type CEF	 Type CEFT	 Type CEFV	Available on Request	Most commonly used trough end. Bottom flange foot provides support for the conveyor.	Page 45 50 53
TROUGH ENDS WITHOUT FEET	 Type CE	 Type CET	 Type CEV	Available on Request	Requires separate flange feet or saddles for support of the conveyor.	Page 46 51 54
OUTBOARD BEARING TROUGH ENDS	 Type CEO	 Type CEOT	 Type CEOV	Available on Request	A pedestal is fitted to the trough end plate to support a pillow block. Sufficient space is allowed to mount a seal or flange bearing between the trough end and the pillow block.	Page 47 52 55
INSIDE PATTERN TROUGH ENDS	 Type CEI	Available on Request	Available on Request	 Type CEW	For inside assembly. Type CEW may be used with rectangular steel or wood trough.	Page 48 57
DISCHARGE TROUGH ENDS	 Type CED	—	 Type CEDV	Same as U-Trough	Used to provide discharge directly from the trough end.	Page 49 56

BULKHEAD

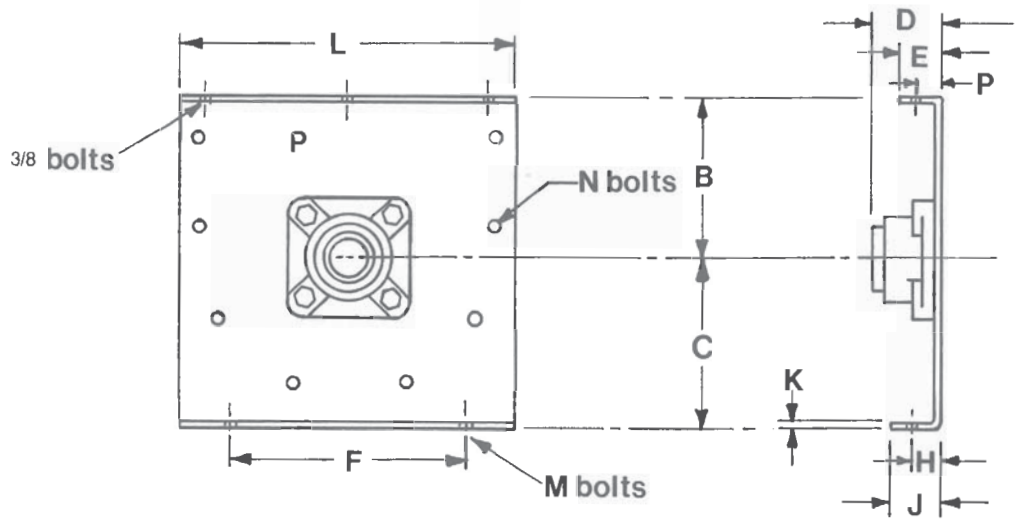
A bulk head is the term given to a plate or baffle, shaped to the contour of the inside of the trough and bolted or welded six to twelve inches from the trough end. The bulk head protects the end bearing and drive unit from heat when handling hot materials, when the pocket between the bulk head and trough end is filled with insulation or packing. The bulk head may be employed in a similar manner to prevent damage to seals and bearings, when handling extremely abrasive materials.



Page 58

Trough Ends

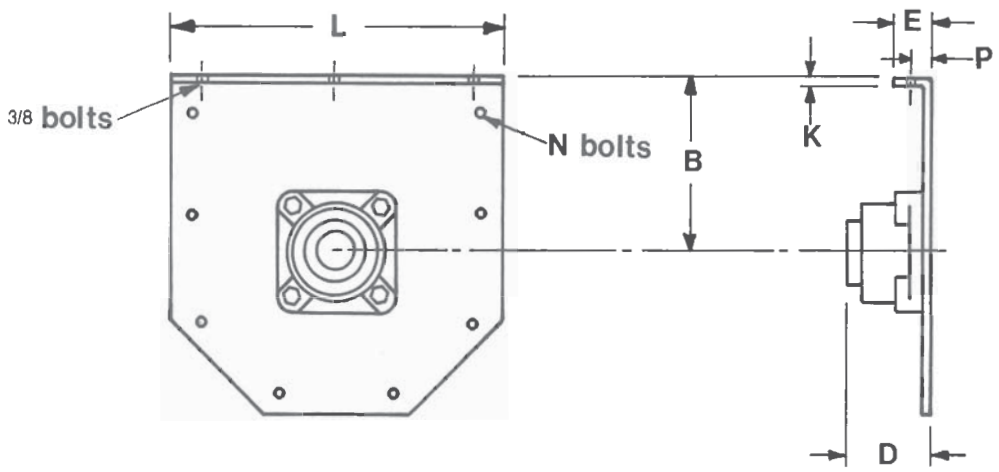
Outside with feet



Conv. Diam.	Shaft Diam.	Part Number	B	C	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	F	H	J	K	L	M	N	P	Wt.
4	1	CEF 41-	3 5/8	4 5/8	2 15/16	1 5/8	—	17/16	5 3/4	1	1 5/8	3/16	7 3/4	3/8	3/8	7/8	7
6	1 1/2	CEF 6112-	4 1/2	5 5/8	3 15/16	2 3/16	3 11/16	1 1/2	8 1/8	1	1 3/4	3/16	9 3/4	3/8	3/8	7/8	12
9	1 1/2	CEF 9112-	6 1/8	7 7/8	3 15/16	2 3/16	3 11/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	1	18
	2	CEF 92-	6 1/8	7 7/8	4 15/16	2 1/2	3 13/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	1	22
10	1 1/2	CEF 10112-	6 3/8	8 7/8	3 15/16	2 3/16	3 11/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	1	20
	2	CEF 102-	6 3/8	8 7/8	4 15/16	2 1/2	3 13/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	1	24
12	2	CEF 122-	7 3/4	9 5/8	5	2 9/16	3 7/8	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	36
	2 7/16	CEF 122716-	7 3/4	9 5/8	5 1/2	2 15/16	4 7/16	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	38
	3	CEF 123-	7 3/4	9 5/8	5 5/8	3 3/4	4 15/16	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	50
14	2 7/16	CEF 142716-	9 1/4	10 7/8	5 1/2	2 15/16	4 7/16	2	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	1 1/8	45
	3	CEF 143-	9 1/4	10 7/8	5 5/8	3 3/4	4 15/16	2	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	1 1/8	57
16	3	CEF 163-	10 5/8	12	5 11/16	3 13/16	5	2 1/2	14 7/8	2	3 1/4	5/16	21 1/4	5/8	5/8	1 3/8	75
18	3	CEF 183-	12 1/8	13 3/8	5 11/16	3 13/16	5	2 1/2	16	2	3 1/4	3/8	24 1/4	5/8	5/8	1 3/8	89
	3 7/16	CEF 183716-	12 1/8	13 3/8	6 15/16	4 5/16	5 9/16	2 1/2	16	2	3 1/4	3/8	24 1/4	5/8	5/8	1 3/8	101
20	3	CEF 203-	13 1/2	15	5 3/4	3 7/8	5 1/16	2 1/2	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	1 3/8	142
	3 7/16	CEF 203716-	13 1/2	15	7	4 3/8	5 5/8	2 1/2	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	1 3/8	153
24	3 7/16	CEF 243716-	16 1/2	18 1/8	7	4 3/8	5 5/8	2 1/2	20	2 1/2	4 1/8	3/8	30 1/4	3/4	5/8	1 3/8	197

Trough Ends

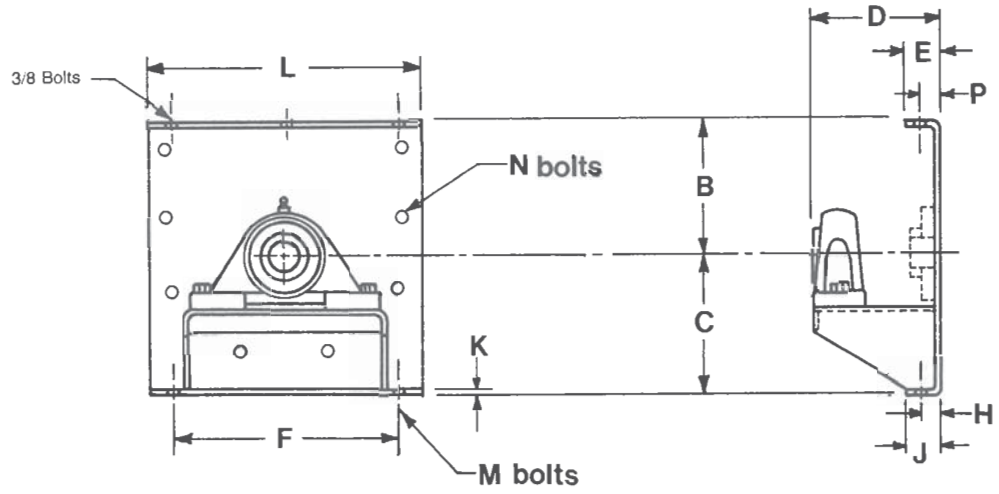
Outside less feet



Conv. Diam.	Shaft Diameter	Part Number	B	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	L	N	P	Wt.**
4	1	CE41-*	3 5/8	2 3/16	1 9/16	—	1 7/16	3/16	7 3/4	3/8	7/8	5
6	1 1/2	CE6112-*	4 1/2	3 3/16	2 3/16	3 11/16	1 1/2	3/16	9 3/4	3/8	7/8	10
9	1 1/2	CE9112-*	6 1/8	3 1/4	2 1/4	3 3/4	1 5/8	1/4	13 3/4	3/8	1	15
	2	CE92-*	6 1/8	4 1/4	2 5/8	3 7/8	1 5/8	1/4	13 3/4	3/8	1	18
10	1 1/2	CE10112-*	6 3/8	3 1/4	2 1/4	3 3/4	1 3/4	1/4	14 3/4	3/8	1	16
	2	CE102-*	6 3/8	4 1/4	2 5/8	3 7/8	1 3/4	1/4	14 3/4	3/8	1	20
12	2	CE122-*	7 3/4	4 1/4	2 5/8	3 7/8	2	1/4	17 1/4	1/2	1 1/8	29
	2 7/16	CE122716-*	7 3/4	5 1/4	2 11/16	4 7/16	2	1/4	17 1/4	1/2	1 1/8	31
	3	CE123-*	7 3/4	6 1/4	3 11/16	4 15/16	2	1/4	17 1/4	1/2	1 1/8	43
14	2 7/16	CE142716-*	9 1/4	5 5/16	2 3/4	4 1/2	2	5/16	19 1/4	1/2	1 1/8	36
	3	CE143-*	9 1/4	6 5/16	3 3/4	5	2	5/16	19 1/4	1/2	1 1/8	48
16	3	CE163-*	10 5/8	6 5/16	3 3/4	5	2 1/2	5/16	21 1/4	5/8	1 3/8	62
18	3	CE183-*	12 1/8	6 3/8	3 13/16	5 1/16	2 1/2	3/8	24 1/4	5/8	1 3/8	74
	3 7/16	CE183716-*	12 1/8	7 3/8	4 3/16	5 5/8	2 1/2	3/8	24 1/4	5/8	1 3/8	85
20	3	CE203-*	13 1/2	6 3/8	3 13/16	5 1/16	2 1/2	3/8	26 1/4	5/8	1 3/8	112
	3 7/16	CE203716-*	13 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	26 1/4	5/8	1 3/8	124
24	3 7/16	CE243716-*	16 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	30 1/4	5/8	1 3/8	156

Trough Ends

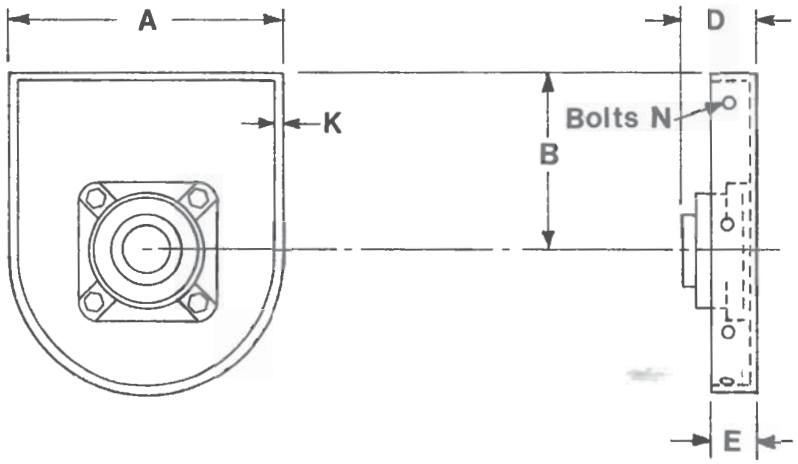
Outboard Bearing



Conveyor Diameter	Shaft Diameter	Part Number	B	C	D	E	F	H	J	K	L	M	N	P	Wt.**
6	1 1/2	CEO 6112-*	4 1/2	5 5/8	6 3/16	1 1/2	8 1/8	1	1 3/4	3/16	9 3/4	3/8	3/8	7/8	19
9	1 1/2	CEO 9112-*	6 1/8	7 7/8	6 3/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	1	27
	2	CEO 92-*	6 1/8	7 7/8	7 1/2	1 5/8	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	1	36
10	1 1/2	CEO 10112-*	6 3/8	8 7/8	6 3/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	1	30
	2	CEO 102-*	6 3/8	8 7/8	7 1/2	1 3/4	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	1	37
12	2	CEO 122-*	7 3/4	9 5/8	7 1/2	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	56
	2 7/16	CEO 122716-*	7 3/4	9 5/8	8 3/4	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	59
	3	CEO 123-*	7 3/4	9 5/8	9 3/4	2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	1 1/8	79
14	2 7/16	CEO 142716-*	9 1/4	10 7/8	8 3/4	2	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	1 1/8	68
	3	CEO 143-*	9 1/4	10 7/8	9 3/4	2	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	1 1/8	89
16	3	CEO 163-*	10 5/8	12	9 3/4	2 1/2	14 7/8	2	3 1/4	5/16	21 1/4	5/8	5/8	1 3/8	115
18	3	CEO 183-*	12 1/8	13 3/8	9 3/4	2 1/2	16	2	3 1/4		24 1/4	5/8	5/8	1 3/8	133
	3 7/16	CEO 183716-*	12 1/8	13 3/8	11 1/2	2 1/2	16	2	3 1/4	3/8	24 1/4	5/8	5/8	1 3/8	145
20	3	CEO 203-*	13 1/2	15	9 3/4	2 1/2	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	1 3/8	205
	3 7/16	CEO 203716-*	13 1/2	15	11 1/2	2 1/2	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	1 3/8	220
24	3 7/16	CEO 243716-*	16 1/2	18 1/8	11 1/2	2 1/2	20	2 1/2	4 1/8	3/8	30 1/4	3/4	5/8	1 3/8	274

Trough Ends

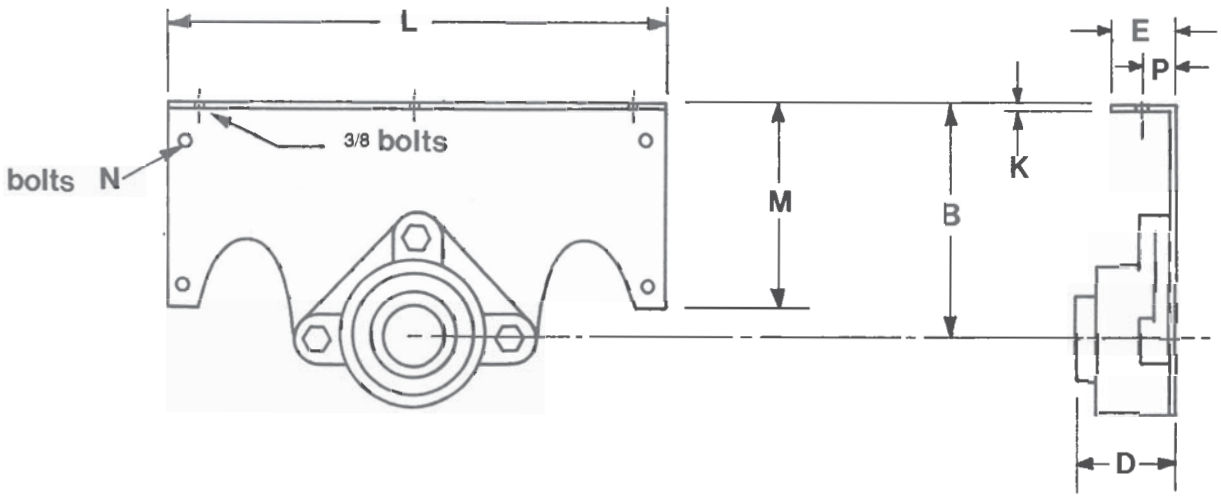
Inside



Conveyor Diameter	Shaft Diameter	Part Number	A	B	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	N	Wt.**
4	1	CEI 41-*	5	3 5/8	2 3/16	1 3/16	—	2	3/16	1/4	5
6	1 1/2	CEI 6112-*	7	4 1/2	3 3/16	2 3/16	3 11/16	2	3/16	5/16	11
9	1 1/2	CEI 9112-*	10	6 1/8	3 1/4	2 1/4	3 11/16	2	1/4	3/8	14
	2	CEI 92-*	10	6 1/8	4 1/4	2 5/8	3 7/8	2	1/4	3/8	18
10	1 1/2	CEI 10112-*	11	6 3/8	3 1/4	2 1/4	3 11/16	2	1/4	3/8	15
	2	CEI 102-*	11	6 3/8	4 1/4	2 5/8	3 7/8	2	1/4	3/8	19
12	2	CEI 122-*	13	7 3/4	4 1/4	2 5/8	3 7/8	2	1/4	1/2	27
	2 7/16	CEI 122716-*	13	7 3/4	5 1/4	2 11/16	4 7/16	2	1/4	1/2	29
	3	CEI 123-*	13	7 3/4	6 1/4	3 11/16	4 15/16	2	1/4	1/2	41
14	2 7/16	CEI 142716-*	15	9 1/4	5 5/16	2 11/16	4 1/2	2	5/16	1/2	35
	3	CEI 143-*	15	9 1/4	6 5/16	3 3/4	5	2	5/16	1/2	47
16	3	CEI 163-*	17	10 5/8	6 5/16	3 3/4	5	2	5/16	5/8	59
18	3	CEI 183-*	19	12 1/8	6 3/8	3 13/16	5	2	3/8	5/8	68
	3 7/16	CEI 183716-*	19	12 1/8	7 3/8	4 3/16	5 5/8	2	3/8	5/8	80
20	3	CEI 203-*	21	13 1/2	6 3/8	3 13/16	5 1/16	2	3/8	5/8	103
	3 7/16	CEI 203716-*	21	13 1/2	7 3/8	4 3/16	5 5/8	2	3/8	5/8	115
24	3 7/16	CEI 243716-*	25	16 1/2	7 3/8	4 3/16	5 5/8	2	3/8	5/8	145

Trough Ends

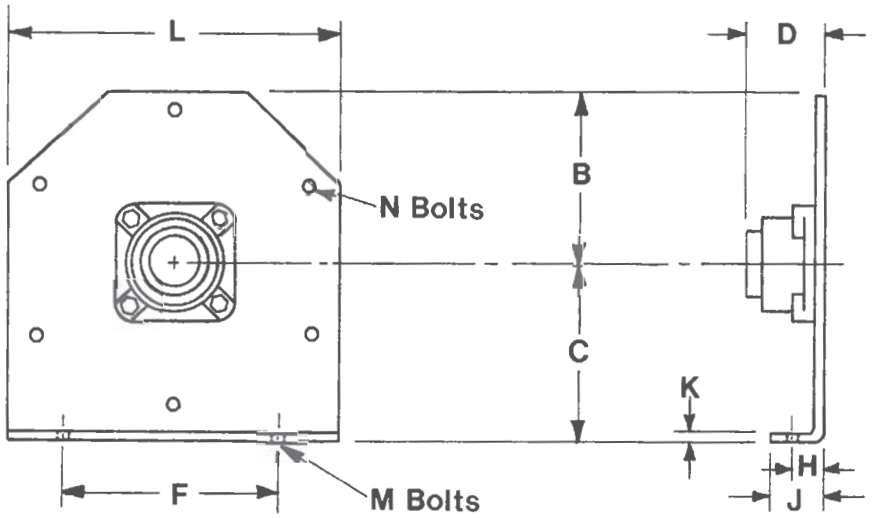
Outside discharge



Conv Diam	Shaft Diameter	Part Number	B	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	L	M	N	P	Wt.**
4	1	CED 41-*	3 5/8	2 3/16	1 3/16	—	1 7/16	3/16	8	3 3/8	3/8	7/8	4
6	1 1/2	CED 6112-*	4 1/2	3 3/16	2 3/16	3 11/16	1 1/2	3/16	9 3/4	4 1/2	3/8	7/8	8
9	1 1/2	CED 9112-*	6 1/8	3 1/4	2 1/4	3 3/4	1 5/8	1/4	13 3/4	6 1/8	3/8	1	11
	2	CED 92-*	6 1/8	4 1/4	2 5/8	3 7/8	1 5/8	1/4	13 3/4	6 1/8	3/8	1	14
10	1 1/2	CED 10112-*	6 3/8	3 1/4	2 1/4	3 3/4	1 3/4	1/4	14 3/4	6 3/8	3/8	1	11
	2	CED 102-*	6 3/8	4 1/4	2 5/8	3 7/8	1 3/4	1/4	14 3/4	6 3/8	3/8	1	154
12	2	CED 122-*	7 3/4	4 1/4	2 5/8	3 7/8	2	1/4	17 1/2	7 3/4	1/2	1 1/8	21
	2 7/16	CED 122716-*	7 3/4	5 1/4	2 11/16	4 7/16	2	1/4	17 1/2	7 3/4	1/2	1 1/8	23
	3	CED 123-*	7 3/4	6 1/4	3 11/16	4 15/16	2	1/4	17 1/2	7 3/4	1/2	1 1/8	34
14	2 7/16	CED 142716-*	9 1/4	5 5/16	2 3/4	4 1/2	2	5/16	19 1/4	9 1/4	5/8	1 1/8	26
	3	CED 143-*	9 1/4	6 5/16	3 3/4	5	2	5/16	19 1/4	9 1/4	5/8	1 1/8	38
16	3	CED 163-*	10 5/8	6 5/16	3 3/4	5	2 1/2	5/16	21 1/8	10 5/8	5/8	1 3/8	47
18	3	CED 183-*	12 1/8	6 3/8	3 13/16	5 1/16	2 1/2	3/8	23 1/2	12 1/8	5/8	1 3/8	54
	3 7/16	CED 183716-*	12 1/8	7 3/8	4 3/16	5 5/8	2 1/2	3/8	23 1/2	12 1/8	5/8	1 3/8	65
20	3	CED 203-*	13 1/2	6 3/8	3 13/16	5 1/16	2 1/2	3/8	26 3/4	13 1/2	5/8	1 3/8	77
	3 7/16	CED 203716-*	13 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	26 3/4	13 1/2	5/8	1 3/8	89
24	3 7/16	CED 243716-*	16 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	30 1/2	16 1/2	5/8	1 3/8	109

Tubular Trough Ends

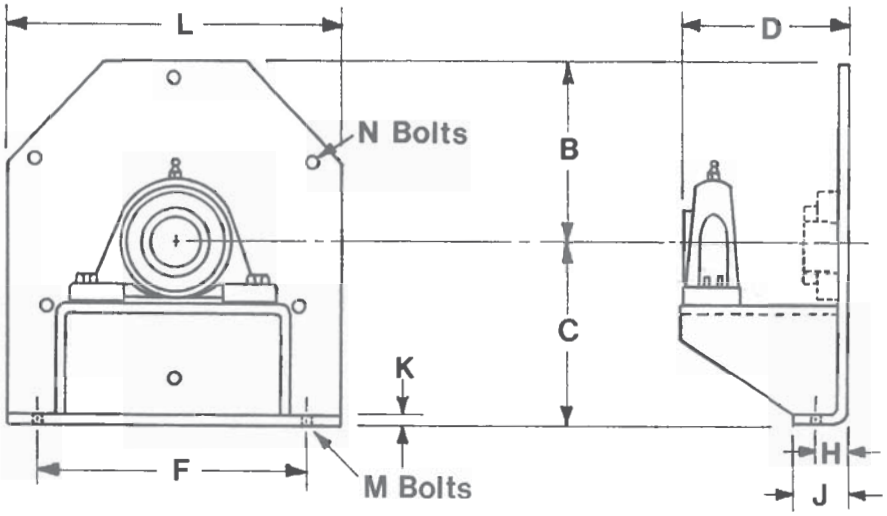
Outside with feet



Conv. Diam.	Shaft Diam.	Part Number	B	C	D Friction Bearing	D Ball Bearing	D Roller Bearing	F	H	J	K	L	M	N	Wt.▲
4	1	CEFT 41-*	3 7/8	4 5/8	2 3/16	1 3/16		5 3/4	1	1 5/8	3/16	7 3/4	3/8	3/8	5
6	1 1/2	CEFT 6112-*	4 7/8	5 5/8	3 3/16	2 3/16	3 11/16	8 1/8	1	1 3/4	3/16	9 3/4	3/8	3/8	11
9	1 1/2	CEFT 9112-*	6 7/8	7 7/8	3 1/4	2 1/4	3 3/4	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	16
	2	CEFT 92-*	6 7/8	7 7/8	4 1/4	2 5/8	3 7/8	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	19
10	1 1/2	CEFT 10112-*	7 3/8	8 7/8	3 1/4	2 1/4	3 3/4	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	18
	2	CEFT 102-*	7 3/8	8 7/8	4 1/4	2 5/8	3 7/8	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	22
12	2	CEFT 122-*	8 5/8	9 5/8	4 1/4	2 5/8	3 7/8	* 12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	32
	2 7/16	CEFT 122716-*	8 5/8	9 5/8	5 1/4	2 11/16	4 7/16	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	34
	3	CEFT 123-*	8 5/8	9 5/8	6 1/4	3 11/16	4 15/16	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	46
14	2 7/16	CEFT 142716-*	9 5/8	10 7/8	5 5/16	2 3/4	4 1/2	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	39
	3	CEFT 143-*	9 5/8	10 7/8	6 5/16	3 3/4	5	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	51
16	3	CEFT 163-*	10 5/8	12	6 5/16	3 3/4	5	14 7/8	2	3 1/4	5/16	21 1/4	5/8	5/8	65
18	3	CEFT 183-*	12 1/8	13 3/8	6 3/8	3 13/16	5 1/16	16	2	3 1/4	3/8	24 1/4	5/8	5/8	77
	3 7/16	CEFT 183716-*	12 1/8	13 3/8	7 3/8	4 3/16	5 5/8	16	2	3 1/4	3/8	24 1/4	5/8	5/8	88
20	3	CEFT 203-*	13 1/8	15	6 3/8	3 13/16	5 1/16	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	116
	3 7/16	CEFT 203716-*	13 1/8	15	7 3/8	4 3/16	5 5/8	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	128
24	3 7/16	CEFT 243716-*	15 1/8	18 1/8	7 3/8	4 3/16	5 5/8	20	2 1/2	4 1/8	3/8	30 1/4	3/4	5/8	162

Tubular Housing Ends

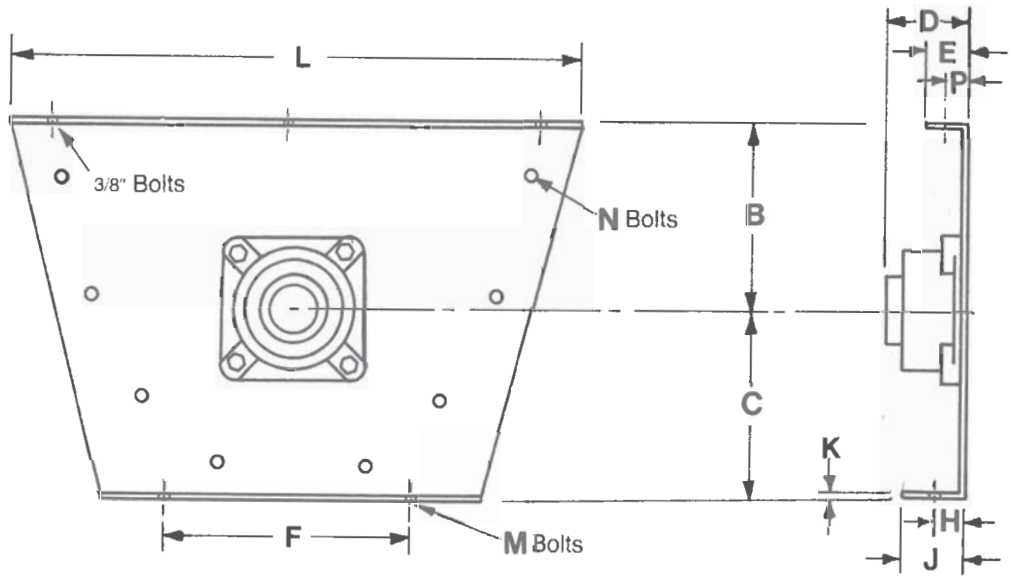
Outboard bearing



Conveyor Diameter	Shaft Diameter	Part Number	B	C	D	F	H	J	K	L	M	N	Wt.▲
6	1 1/2	CEOT 6112-*	4 7/8	5 5/8	6 3/16	8 1/8	1	1 3/4	3/16	9 3/4	3/8	3/8	18
9	1 1/2	CEOT 9112-*	6 7/8	7 7/8	6 3/16	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	25
	2	CEOT 92-*	6 7/8	7 7/8	7 1/2	9 3/8	1 1/2	2 5/8	1/4	13 3/4	1/2	3/8	34
10	1 1/2	CEOT 10112-*	7 3/8	8 7/8	6 3/16	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	42
	2	CEOT 102-*	7 3/8	8 7/8	7 1/2	9 1/2	1 3/4	2 7/8	1/4	14 3/4	1/2	3/8	60
12	2	CEOT 122-*	8 5/8	9 5/8	7 1/2	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	85
	2 7/16	CEOT 122716-*	8 5/8	9 5/8	8 3/4	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	93
	3	CEOT 123-*	8 5/8	9 5/8	9 3/4	12 1/4	1 5/8	2 3/4	1/4	17 1/4	5/8	1/2	131
14	2 7/16	CEOT 142716-*	9 5/8	10 7/8	8 3/4	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	104
	3	CEOT 143-*	9 5/8	10 7/8	9 3/4	13 1/2	1 5/8	2 7/8	5/16	19 1/4	5/8	1/2	143
16	3	CEOT 163-*	10 5/8	12	9 3/4	14 7/8	2	3 1/4	5/16	21 1/4	5/8	5/8	178
18	3	CEOT 183-*	12 1/8	13 3/8	9 3/4	16	2	3 1/4	3/8	24 1/4	5/8	5/8	200
	3 7/16	CEOT 183716-*	12 1/8	13 3/8	11 1/2	16	2	3 1/4	3/8	24 1/4	5/8	5/8	230
20	3	CEOT 203-*	13 1/8	15	9 3/4	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	300
	3 7/16	CEOT 203716-*	13 1/8	15	11 1/2	19 1/4	2 1/4	3 3/4	3/8	26 1/4	3/4	5/8	335
24	3 7/16	CEOT 243716-*	15 1/8	18 1/8	11 1/2	20	2 1/2	4 1/8	3/8	30 1/4	3/4	5/8	400

Flared Trough Ends

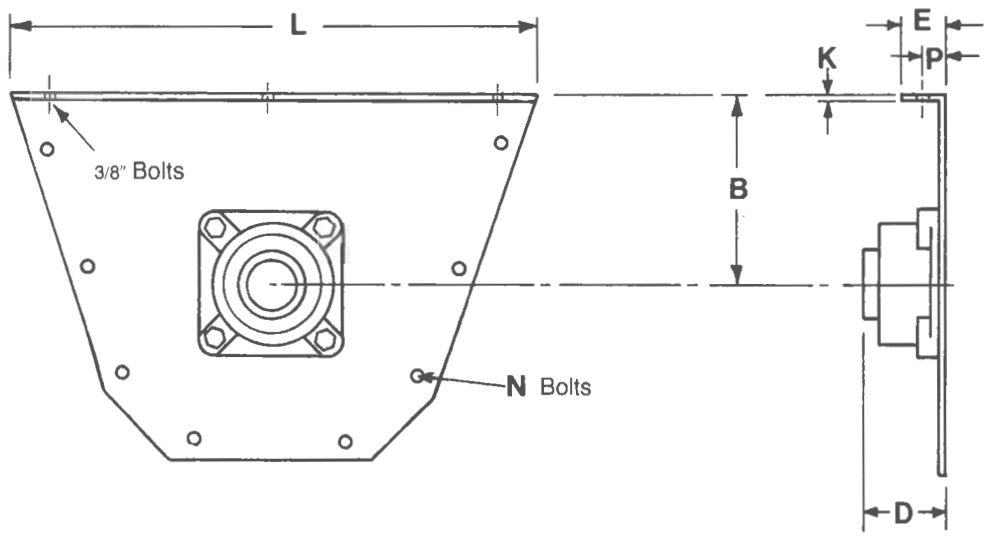
Outside with feet



Conv. Diam	Shaft Diam	Part Number	B	C	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	F	H	J	K	L	M	N	P	Wt.**
6	1 1/2	CEFV 6112-*	7	5 5/8	3 15/16	2 3/16	3 11/16	1 1/2	8 1/8	1	1 3/4	3/16	16 5/8	3/8	3/8	7/8	15
9	1 1/2	CEFV 9112-*	9	7 7/8	4 15/16	2 3/16	3 11/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	21 1/4	1/2	3/8	1	22
	2	CEFV 92-*	9	7 7/8	4 15/16	2 1/2	3 13/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	21 1/4	1/2	3/8	1	27
10	1 1/2	CEFV 10112-*		8 7/8	3 15/16	2 3/16	3 11/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4		1/2	3/8	1	24
	2	CEFV 102-*		8 7/8	4 15/16	2 1/2	3 13/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4		1/2	3/8	1	29
12	2	CEFV 122-*	10	9 5/8	5	2 9/16	3 7/8	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	3
	2 7/16	CEFV 122716*	10	9 5/8	5 1/2	2 15/16	4 7/16	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	44
	3	CEFV 123-*	10	9 5/8	5 5/8	3 3/4	4 15/16	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	56
14	2 7/16	CEFV 142716-*	11	10 7/8	5 1/2	2 15/16	4 7/16	2	13 1/2	1 5/8	2 7/8	5/16	28 3/8	5/8	1/2	1 1/8	52
	3	CEFV 143-*	11	10 7/8	5 5/8	3 3/4	4 15/16	2	13 1/2	1 5/8	2 7/8	5/16	28 3/8	5/8	1/2	1 1/8	64
16	3	CEFV 163-*	11 1/2	12	5 11/16	3 13/16	5	2 1/2	14 7/8	2	3 1/4	5/16	32 1/2	5/8	5/8	1 3/8	85
18	3	CEFV 183-*	12 1/8	13 3/8	5 11/16	3 13/16	5	2 1/2	16	2	3 1/4	3/8	36 1/2	5/8	5/8	1 3/8	98
	3 7/16	CEFV 183716-*	12 1/8	13 3/8	6 5/16	4 5/16	5 9/16	2 1/2	16	2	3 1/4	3/8	36 1/2	5/8	5/8	1 3/8	104
20	3	CEFV 203-*	13 1/2	15	5 3/4	3 7/8	5 1/16	2 1/2	19 1/4	2 1/4	3 3/4	3/8	39 1/2	3/4	5/8	1 3/8	133
	3 7/16	CEFV 203716-*	13 1/2	15	7	4 3/8	5 5/8	2 1/2	19 1/4	2 1/4	3 3/4	3/8	39 1/2	3/4	5/8	1 3/8	139
24	3 7/16	CEFV 243716-*	16 1/2	18 1/8	7	4 3/8	5 5/8	2 1/2	20	2 1/2	4 1/8	3/8	45 1/2	3/4	5/8	1 3/8	179

Flared Trough Ends

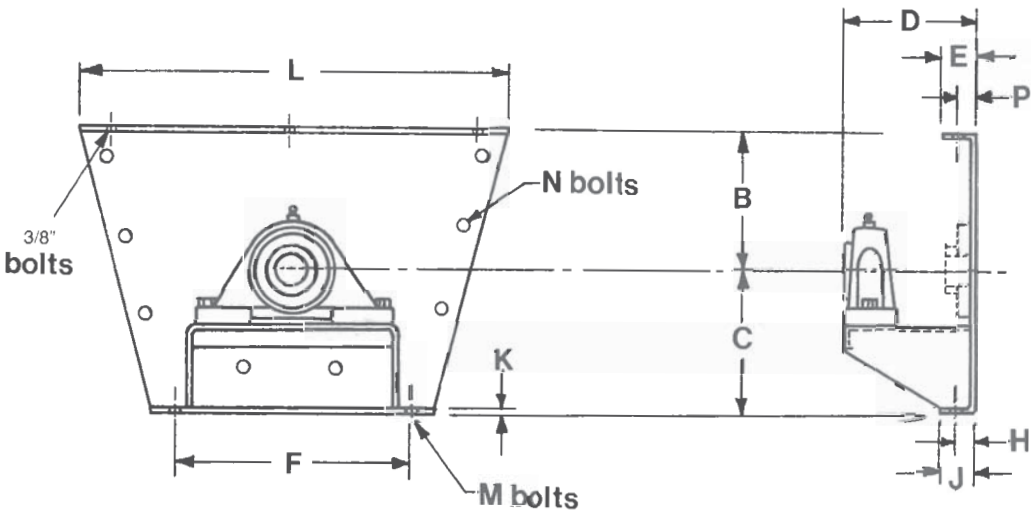
Outside less feet



Conv Diam	Shaft Diameter	Part Number	B	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	L	N	P	Wt.**
6	1 1/2	CEV 6112-*	7	3 3/16	2 3/16	3 11/16	1 1/2	3/16	16 5/8	3/8	7/8	13
9	1 1/2	CEV 9112-*	9	3 1/4	2 1/4	3 3/4	1 5/8	1/4	21 1/4	3/8	1	19
	2	CEV 92-*	9	4 1/4	2 5/8	3 7/8	1 5/8	1/4	21 1/4	3/8	1	24
10	1 1/2	CEV 10112-*		3 1/4	2 1/4	3 3/4	1 3/4	1/4		3/8	1	21
	2	CEV 102-*		4 1/4	2 5/8	3 7/8	1 3/4	1/4		3/8	1	25
12	2	CEV 122-*	10	4 1/4	2 5/8	3 7/8	2	1/4	26 3/8	1/2	1 1/8	36
	2 7/16	CEV 122716-*	10	5 1/4	2 11/16	4 7/16	2	1/4	26 3/8	1/2	1 1/8	37
	3	CEV 123-*	10	6 1/4	3 11/16	4 15/16	2	1/4	26 3/8	1/2	1 1/8	49
14	2 7/16	CEV 142716-*	11	5 5/16	2 3/4	4 1/2	2	5/16	28 3/8	1/2	1 1/8	43
	3	CEV 143-*	11	6 5/16	3 3/4	5	2	5/16	28 3/8	1/2	1 1/8	55
16	3	CEV 163-*	11 1/2	6 5/16	3 3/4	5	2 1/2	5/16	32 1/2	5/8	1 3/8	72
18	3	CEV 183-*	12 1/8	6 3/8	3 13/16	5 1/16	2 1/2	3/8	36 1/2	5/8	1 3/8	83
	3 7/16	CEV 183716-*	12 1/8	7 3/8	4 3/16	5 5/8	2 1/2	3/8	36 1/2	5/8	1 3/8	89
20	3	CEV 203-*	13 1/2	6 3/8	3 13/16	5 1/16	2 1/2	3/8	39 1/2	5/8	1 3/8	103
	3 7/16	CEV 203716-*	13 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	39 1/2	5/8	1 3/8	109
24	3 7/16	CEV 243716-*	16 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	45 1/2	5/8	1 3/8	132

Flared Trough Ends

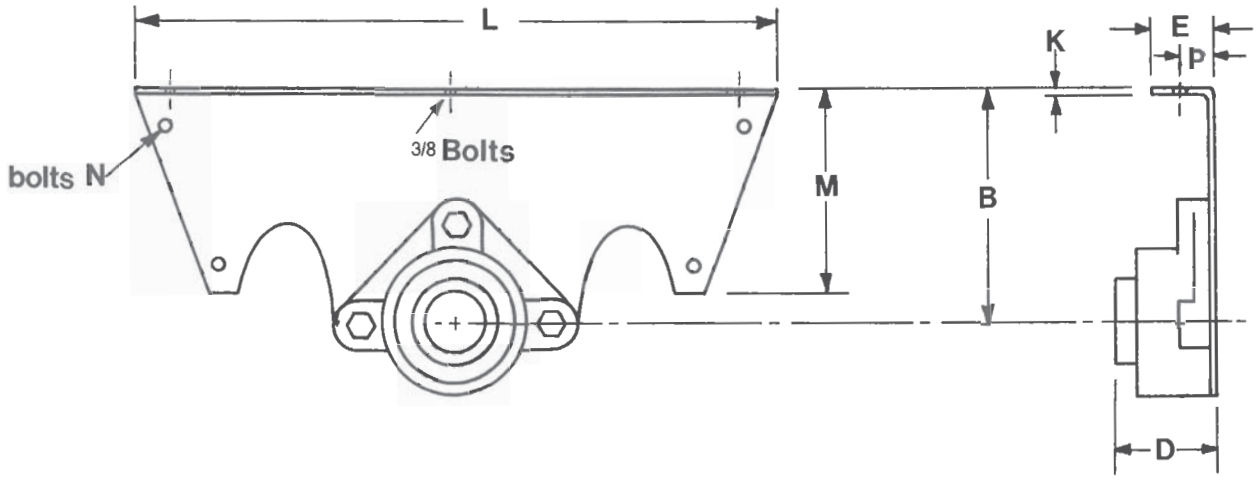
Outboard Bearing



Conv Diam	Shaft Diameter	Part Number	B	C	D	E	F	H	J	K	L	M	N	P	Wt.**
6	1 1/2	CEOV 6112-*	7	5 5/8	6 3/16	1 1/2	8 1/8	1	1 3/4	9/16	16 5/8	3/8	3/8	7/8	22
9	1 1/2	CEOV 9112-*	9	7 7/8	6 3/16	1 5/8	9 3/8	1 1/2	2 5/8	1/4	21 1/4	1/2	3/8	1	31
	2	CEOV 92-*	9	7 7/8	7 1/2	1 5/8	9 3/8	1 1/2	2 5/8	1/4	21 1/4	1/2	3/8	1	39
10	1 1/2	CEOV 10112-*		8 7/8	6 3/16	1 3/4	9 1/2	1 3/4	2 7/8	1/4		1/2	3/8	1	33
	2	CEOV 102-*		8 7/8	7 1/2	1 3/4	9 1/2	1 3/4	2 7/8	1/4		1/2	3/8	1	39
12	2	CEOV 122-*	10	9 5/8	7 1/2	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	63
	2 7/16	CEOV 122716-*	10	9 5/8	8 3/4	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	64
	3	CEOV 123-*	10	9 5/8	9 3/4	2	12 1/4	1 5/8	2 3/4	1/4	26 3/8	5/8	1/2	1 1/8	76
14	2 7/16	CEOV 142716-*	11	10 7/8	8 3/4	2	13 1/2	1 5/8	2 7/8	5/16	28 3/8	5/8	1/2	1 1/8	75
	3	CEOV 143-*	11	10 7/8	9 3/4	2	13 1/2	1 5/8	2 7/8	5/16	28 3/8	5/8	1/2	1 1/8	87
16	3	CEOV 163-*	11 1/2	12	9 3/4	2 1/2	14 7/8	2	3 1/4	5/16	32 1/2	5/8	5/8	1 3/8	125
18	3	CEOV 183-*	12 1/8	13 3/8	9 3/4	2 1/2	16	2	3 1/4		36 1/2	5/8	5/8	1 3/8	138
	3 7/16	CEOV 183716-*	12 1/8	13 3/8	11 1/2	2 1/2	16	2	3 1/4	3/8	36 1/2	5/8	5/8	1 3/8	144
20	3	CEOV 203-*	13 1/2	15	9 3/4	2 1/2	19 1/4	2 1/4	3 3/4	3/8	39 1/2	3/4	5/8	1 3/8	205
	3 7/16	CEOV 203716-*	13 1/2	15	11 1/2	2 1/2	19 1/4	2 1/4	3 3/4	3/8	39 1/2	3/4	5/8	1 3/8	220
24	3 7/16	CEOV 243716-*	16 1/2	18 1/8	11 1/2	2 1/2	20	2 1/2	4 1/8	3/8	45 1/2	3/4	5/8	1 3/8	274

Flared Trough Ends

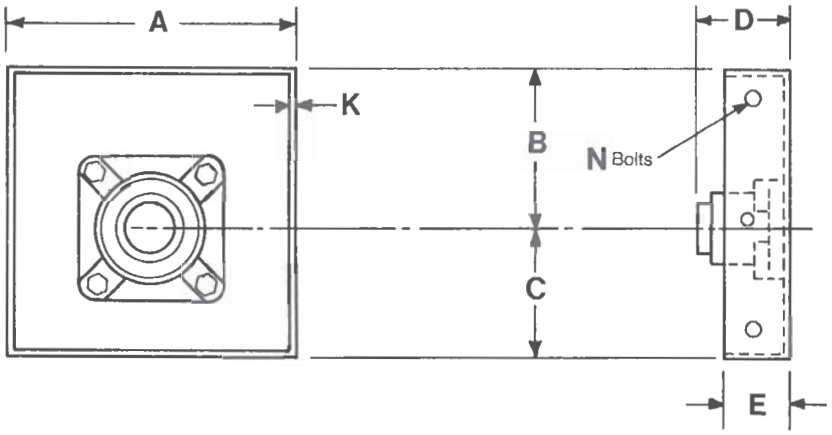
Outside Discharge



Conv Diam	Shaft Diameter	Part Number	B	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	L	M	N	P	Wt.**
6	1 1/2	CEDV 6112-*	7	3 3/16	2 3/16	3 11/16	1 1/2	3/16	16 5/8	7	3/8	7/8	10
9	1 1/2	CEDV 9112-*	9	3 1/4	2 1/4	3 3/4	15/8	1/4	21 1/4	9	3/8	1	18
	2	CEDV 92-*	9	4 1/4	2 5/8	3 7/8	15/8	1/4	21 1/4	9	3/8	1	23
10	1 1/2	CEDV 10112-*		3 1/4	2 1/4	3 3/4	1 3/4	1/4			3/8	1	18
	2	CEDV 102-*		4 1/4	2 5/8	3 7/8	1 3/4	1/4			3/8	1	23
12	2	CEDV 122-*	10	4 1/4	2 5/8	3 7/8	2	1/4	26 3/8	10	1/2	1 1/8	29
	2 7/16	CEDV 122716-*	10	5 1/4	2 11/16	4 7/16	2	1/4	26 3/8	10	1/2	1 1/8	31
	3	CEDV 123-*	10	6 1/4	3 11/16	4 15/16	2	1/4	26 3/8	10	1/2	1 1/8	39
14	2 7/16	CEDV 142716-*	11	5 5/16	2 3/4	4 1/2	2	5/16	28 3/8	11	5/8	1 1/8	39
	3	CEDV 143-*	11	6 5/16	3 3/4	5	2	5/16	28 3/8	11	5/8	1 1/8	48
16	3	CEDV 163-*	11 1/2	6 5/16	3 3/4	5	2 1/2	5/16	32 1/2	11 1/2	5/8	1 3/8	53
18	3	CEDV 183-*	12 1/8	6 3/8	3 13/16	5 1/16	2 1/2	3/8	36 1/2	12 1/8	5/8	1 3/8	68
	3 7/16	CEDV 183716-*	12 1/8	7 3/8	4 3/16	5 5/8	2 1/2	3/8	36 1/2	12 1/8	5/8	1 3/8	75
20	3	CEDV 203-*	13 1/2	6 3/8	3 13/16	5 1/16	2 1/2	3/8	39 1/2	13 1/2	5/8	1 3/8	78
	3 7/16	CEDV 203716-*	13 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	39 1/2	13 1/2	5/8	1 3/8	89
24	3 7/16	CEDV 243716-*	16 1/2	7 3/8	4 3/16	5 5/8	2 1/2	3/8	45 1/2	16 1/2	5/8	1 3/8	109

Trough Ends

Inside rectangular

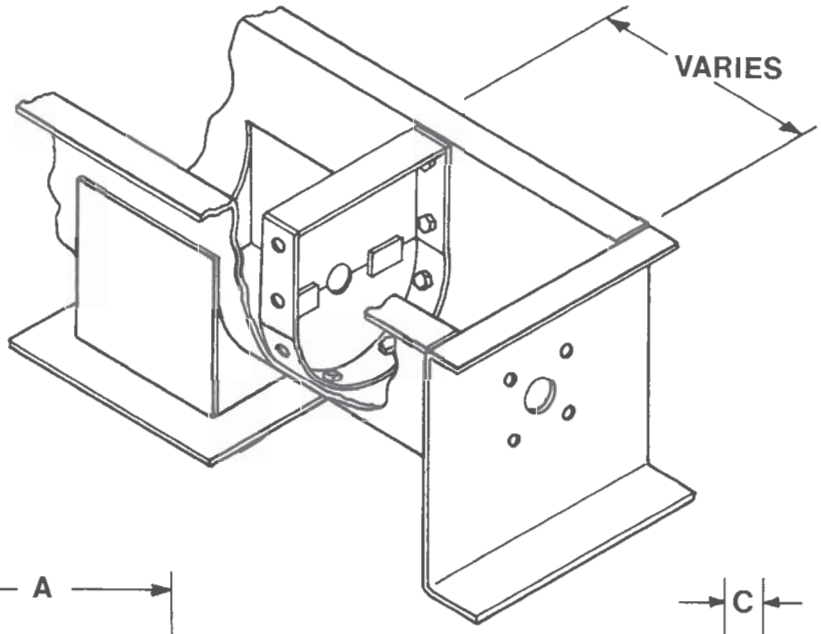


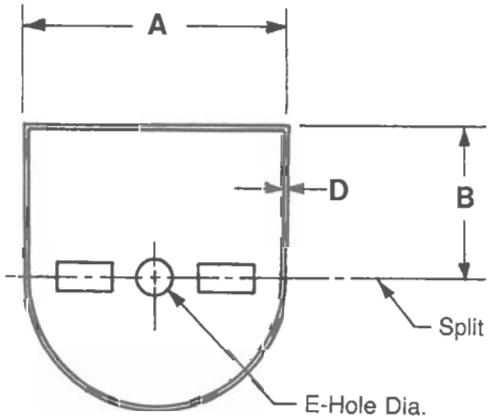
Conveyor Diameter	Diameter Diameter	Part Number	A	B	C	D Friction Bearing	D Ball Bearing	D Roller Bearing	E	K	N	Wt.**
4	1	CEW 41-*	5	3 5/8	2 1/2	2 3/16	1 3/16	—	2	3/16	1/4	6
6	1 1/2	CEW 6112-*	7	4 1/2	3 1/2	3 3/16	2 3/16	3 11/16	2	3/16	5/16	11
9	1 1/2	CEW 9112-*	10	6 1/8	5	3 1/4	2 1/4	3 11/16	2	1/4	3/8	15
	2	CEW 92-*	10	6 1/8	5	4 1/4	2 5/8	3 7/8	2	1/4	3/8	19
10	1 1/2	CEW 10112-*	11	6 3/8	5 1/2	3 1/4	2 1/4	3 11/16	2	1/4	3/8	17
	2	CEW 102-*	11	6 3/8	5 1/2	4 1/4	2 5/8	3 7/8	2	1/4	3/8	21
12	2	CEW 122-*	13	7 3/4	6 1/2	4 1/4	2 5/8	3 7/8	2	1/4	1/2	30
	2 7/16	CEW 122716-*	13	7 3/4	6 1/2	5 1/4	2 11/16	4 7/16	2	1/4	1/2	32
	3	CEW 123-*	13	7 3/4	6 1/2	6 1/4	3 11/16	4 15/16	2	1/4	1/2	43
14	2 7/16	CEW 142716-*	15	9 1/4	7 1/2	5 5/16	2 11/16	4 1/2	2	5/16	1/2	37
	3	CEW 143-*	15	9 1/4	7 1/2	6 5/16	3 3/4	5	2	5/16	1/2	49
16	3	CEW 163-*	17	10 5/8	8 1/2	6 5/16	3 3/4	5	2	5/16	5/8	64
18	3	CEW 183-*	19	12 1/8	9 1/2	6 3/8	3 13/16	5 1/16	2	3/8	5/8	73
	3 7/16	CEW 183716-*	19	12 1/8	9 1/2	7 3/8	4 3/16	5 5/8	2	3/8	5/8	84
20	3	CEW 203-*	21	13 1/2	10 1/2	6 3/8	3 13/16	5 1/16	2	3/8	5/8	112
	3 7/16	CEW 203716-*	21	13 1/2	10 1/2	7 3/8	4 3/16	5 5/8	2	3/8	5/8	123
24	3 7/16	CEW 243716-*	25	16 1/2	12 1/2	7 3/8	4 3/16	5 5/8	2	3/8	5/8	157

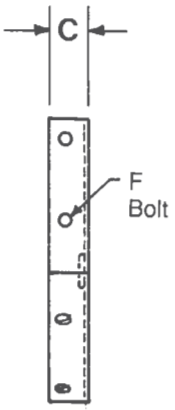
Trough Ends

Bulkheads

Bulkheads are generally required when conveying high-temperature materials. Void areas should be packed with a non-combustible material to dissipate heat from bearing and seal area.



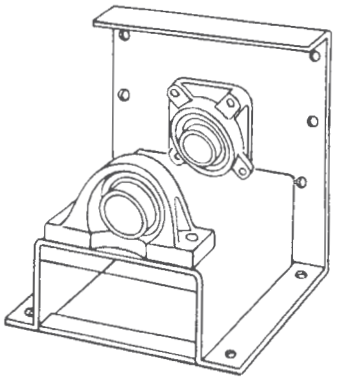




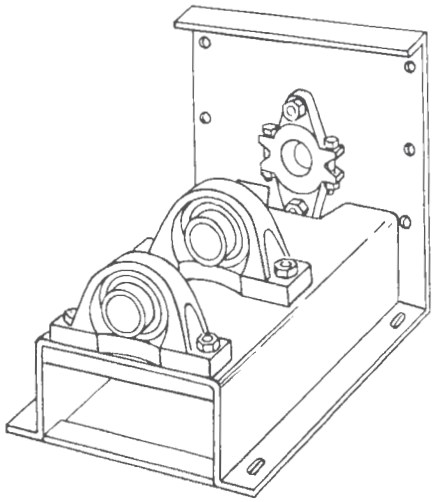
Screw Diameter	Catalog Number	A	B	C	D	E	F Bolt
6	CBH 6	6 15/16	4 1/2	2	10GA.	*	3/8
9	CBH 9	9 15/16	6 1/8	2	3/16	*	3/8
12	CBH 12	12 15/16	7 3/4	2	3/16	*	1/2
14	CBH 14	14 15/16	9 1/4	2	3/16	*	1/2
16	CBH 16	16 15/16	10 5/8	2	3/16	*	5/8
18	CBH 18	18 15/16	12 1/8	2	3/16	*	5/8
20	CBH 20	20 15/16	13 1/2	2 1/2	1/4	*	5/8
24	CBH 24	24 15/16	16 1/2	2 1/2	1/4	*	5/8

*Dependent upon outside diameter of pipe.

Trough Ends — Special



Special Shelf Type Trough End Flange Bearing and Pillow Block



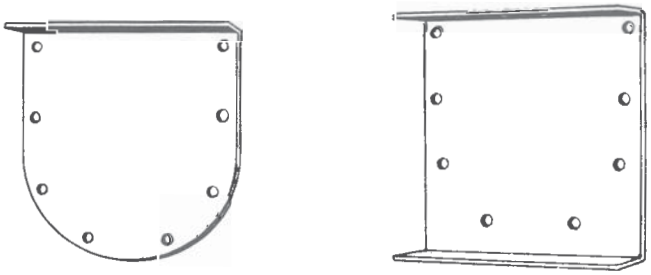
Special Shelf Type Trough End Two Pillow Blocks

These special shelf type trough ends have two bearings to carry the shaft out to provide for greater shaft rigidity.

Two pillow block bearings can be mounted away from the trough end plate to protect the bearings when handling abrasive or hot materials. This also allows the use of most any type of shaft seal.

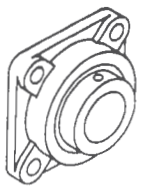
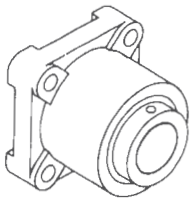
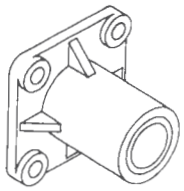
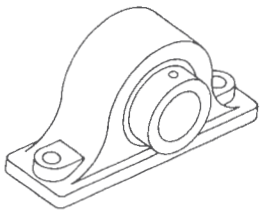
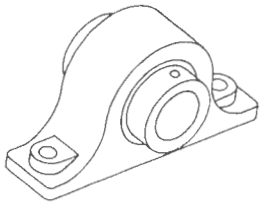
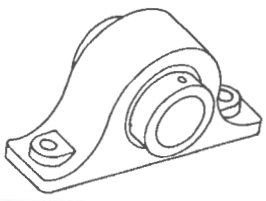
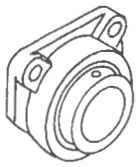
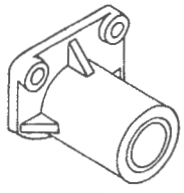
Such shelf type trough ends also are used in short screw conveyor feeders where conditions preclude the use of a tail shaft bearing and the conveyor screw must be cantilevered from the inlet trough end.

Blind trough ends are used on the tail end, normally the inlet end, of a screw conveyor when sealing of the tail end shaft is extremely difficult. A hanger is used inside the trough to support the tail shaft, and the shaft stops short of the trough end plate.



Blind Trough Ends

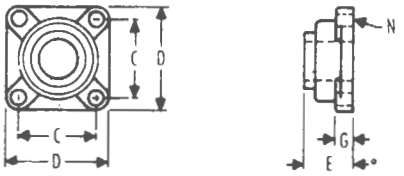
End Bearing Index

FLANGE UNITS	Mounted on trough end plate.		Ball Bearing Flange Unit	Page 60
			Roller Bearing Flange Unit	
			Babbitted Flange Unit	
PILLOW BLOCKS	Mounted on pedestal of outboard bearing trough end.		Ball Bearing Pillow Block	Page 60
			Roller Bearing Pillow Block	Page 61
			Babbitted Pillow Block	
FLANGE UNITS	Mounted on open end discharge trough ends.		Ball Bearing Flange Discharge Unit	Page 61
			Babbitted Flange Discharge Unit	

End Bearings

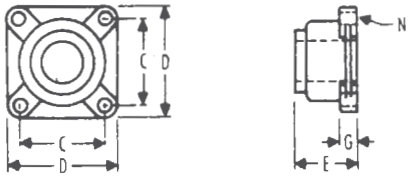
ball bearing flange unit

Bore	Part Number	C	D	E	G	N
1	CEB 1-BB	2 3/4	3 3/4	1 3/8	1/2	3/8
1 1/2	CEB 112-BB	4	5 1/8	2	9/16	1/2
2	CEB 2-BB	5 1/8	6 1/2	2 3/8	11/16	5/8
2 7/16	CEB 2716-BB	5 5/8	7	2 7/16	11/16	5/8
3	CEB 3-BB	6	7 3/4	3 7/16	7/8	3/4
3 7/16	CEB 3716-BB	6 3/4	8 7/16	3 13/16	1	3/4



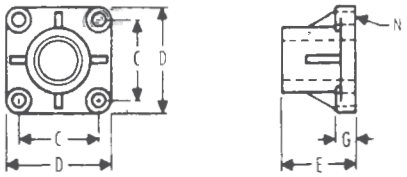
roller bearing flange unit

Bore	Part Number	C	D	E	G	N
1 1/2	CEB 112-R	4 1/8	5 3/8	3 1/2	13/16	1/2
2	CEB 2-R	4 3/8	5 5/8	3 5/8	13/16	1/2
2 7/16	CEB 2716-R	5 3/8	6 7/8	4 3/16	1 1/2	5/8
3	CEB 3-R	6	7 3/4	4 11/16	15/8	3/4
3 7/16	CEB 3716-R	7	9 1/4	5 1/4	17/8	3/4
3 15/16	CEB31516-R	7 3/4	10 1/4	6 1/2	2 1/8	7/8



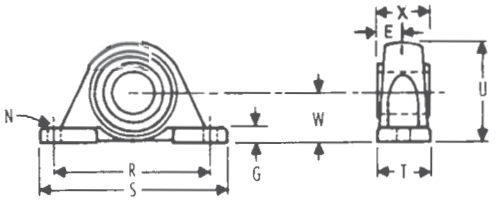
babbitted flange unit

Bore	Part Number	C	D	E	G	N
1	CEB 1-*	2 3/4	3 3/4	2	7/16	3/8
1 1/2	CEB 112-*	4	5 3/8	3	3/4	1/2
2	CEB 2-*	5 1/8	6 1/2	4	7/8	5/8
2 7/16	CEB 2716-*	5 5/8	7 3/8	5	1	5/8
3	CEB 3-*	6	7 3/4	6	1 1/8	3/4
3 7/16	CEB 3716-*	6 3/4	9 1/4	7	1 1/4	3/4



ball bearing pillow block

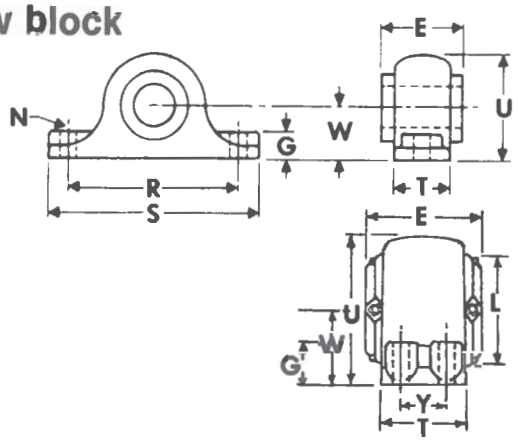
Bore	Part Number	E	G	N	R	S	T	U	W	X
1	CPB 1-BB	13/16	3/4	3/8	4 1/8	5 1/2	1 5/16	2 13/16	1 7/16	1 3/8
1 1/2	CPB 112-BB	1 3/16	1 3/16	1/2	5 3/8	7 1/4	2	4 3/16	2 1/8	1 15/16
2	CPB 2-BB	1 7/16	1 9/16	5/8	6 7/8	8 7/8	2 3/8	5	2 1/2	2 3/16
2 7/16	CPB 2716-BB	1 1/2	1 11/16	5/8	7 1/4	9 5/8	2 1/2	5 7/16	2 3/4	2 9/16
3	CPB 3-BB	1 7/8	2 3/16	7/8	9	12	3 1/4	7	3 1/2	3 1/4
3 7/16	CPB 3716-BB	2 1/16	2 1/2	7/8	11 1/8	14	3 7/16	8 3/6	4	3 3/8



End Bearings

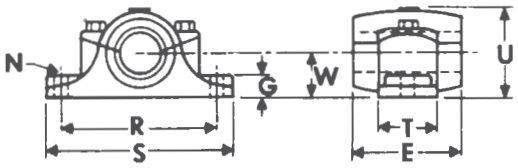
roller bearing pillow block

Bore	Part Number	E	G	N	R	S	T	U	W	Y
1 1/2	CPB 112-R	3 3/8	1 1/4	1/2	6 1/4	7 7/8	2 3/8	4 1/4	2 1/8	—
2	CPB 2-R	3 1/2	1 5/16	5/8	7	8 7/8	2 1/2	4 1/2	2 1/4	—
2 7/16	CPB 2716-R	4	1 5/8	5/8	8 1/2	10 1/2	2 7/8	5 1/2	2 3/4	—
3	CPB 3-R	4 1/2	1 7/8	3/4	9 1/2	12	3	6 1/4	3 1/8	—
3 7/16	CPB 3716-R	5	2 1/4	7/8	11	14	3 5/8	7 1/2	3 3/4	—
*3 15/16	CPB31516-R	6 1/4	2 7/16	3/4	12 1/2	15 1/4	4 1/2	8 1/2	4 1/4	2 1/4
*4 7/16	CPB 4716-R	6 3/4	2 3/4	3/4	13 1/2	16 5/8	4 5/8	9 3/8	4 3/4	2 1/2
*4 15/16	CPB41516-R	7 1/4	3	7/8	15 1/2	18 1/2	5 1/8	10 7/8	5 1/2	2 3/4



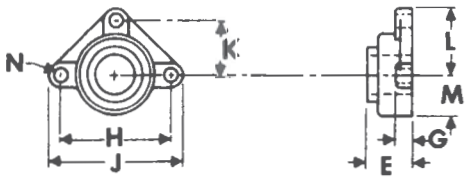
babbitted pillow block

Bore	Part Number	E	G	N	R	S	T	U	W
1	CPB 1-*	2	9/16	3/8	3 5/8	4 3/4	1 3/8	2 1/16	1
1 1/2	CPB 112-*	3	3/4	1/2	4 7/8	6 1/4	2	2 11/16	1 3/8
2	CPB 2-*	4	7/8	5/8	6	7 1/2	2 1/2	3 7/16	1 3/4
2 7/16	CPB 2716-*	5	1 1/8	5/8	7	8 7/8	3	4 3/16	2 1/8
3	CPB 3-*	6	1 3/16	3/4	8 1/2	10 3/4	3 1/2	4 7/8	2 1/2
3 7/16	CPB 3716-	7	1 1/2	7/8	9 1/4	12	4	5 5/8	2 7/8



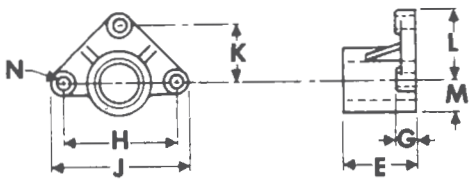
ball bearing discharge unit

Bore	Part Number	E	G	H	J	K	L	M	N
1	CDB 1-BB	1 3/8	1/2	3 7/8	5 3/8	1 15/16	2 11/16	2	3/8
1 1/2	CDB 112-BB	2	9/16	5 5/8	7 1/4	2 13/16	3 5/8	2 1/2	1/2
2	CDB 2-BB	2 3/8	11/16	7 1/4	9 3/16	3 5/8	4 9/16	2 3/4	5/8
2 7/16	CDB 2716-BB	2 7/16	11/16	8	9 7/8	4	4 15/16	3 1/2	5/8
3	CDB 3-BB	3 7/16	7/8	8 1/2	11	4 1/4	5 1/2	4	3/4
3 7/16	CDB 3716-BB	3 13/16	1	9 1/2	12	4 3/4	6	4 1/2	3/4



babbitted discharge unit

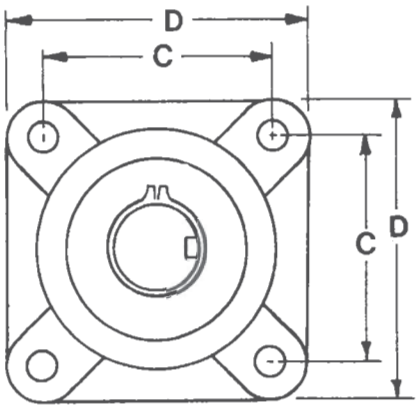
Bore	Part Number	E	G	H	J	K	L	M	N
1	CDB 1-*	2	1/2	3 7/8	5 3/8	1 15/16	2 11/16	1	3/8
1 1/2	CDB 112-*	3	9/16	5 5/8	7 1/4	2 13/16	3 5/8	1 1/4	1/2
2	CDB 2-*	4	5/8	6 1/4	8	3 1/8	4	1 5/8	5/8
2 7/16	CDB 2716-*	5	11/16	8	9 7/8	4	4 15/16	1 7/8	5/8
3	CDB 3-*	6	7/8	8 1/2	11	4 1/4	5 1/2	2 1/8	3/4
3 7/16	CDB 3716-*	7	1	9 1/2	12	4 3/4	6	2 1/2	3/4

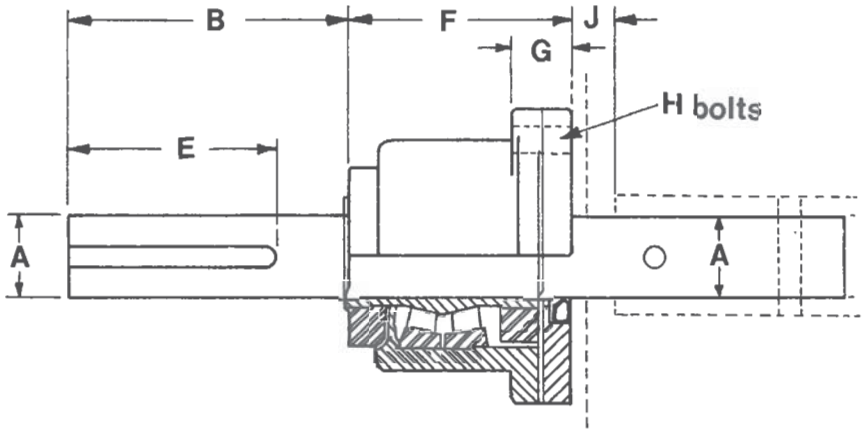


Thrust Bearing Index

Thrust Bearings

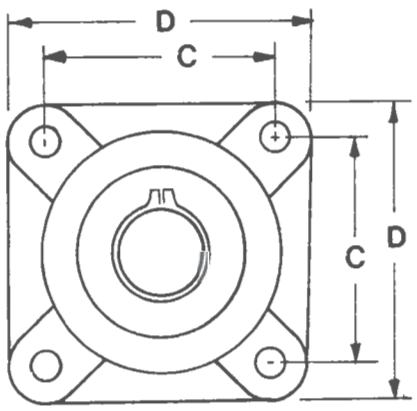
Type M roller bearing - Drive Shaft

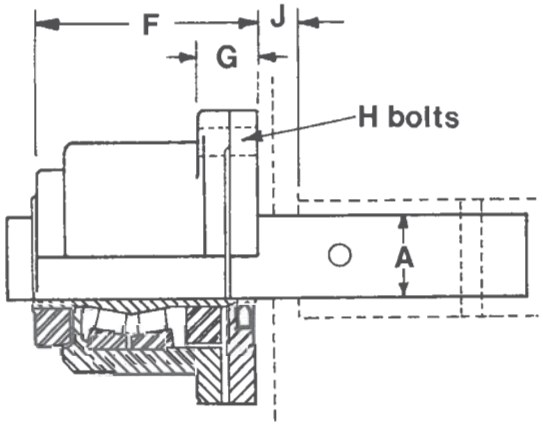




A Shaft Diameter	Part Number	D	B	C	CSF SEAL F	CSF SEAL G	CSW SEAL F	CSW SEAL G	H	J	E	Wt.
1 1/2	CTR 112-D	5 3/8	4 1/4	4 1/8	4 1/8	1 13/16	5 1/4	2 15/16	1/2	1 1/4	2 3/4	22
2	CTR 2-D	5 5/8	4 3/4	4 3/8	4 1/4	1 13/16	5 3/8	2 15/16	1/2	1 1/4	3 1/4	32
2 7/16	CTR 2716-D	6 7/8	5 3/4	5 3/8	4 13/16	2 1/8	5 15/16	3 1/4	5/8	1 13/16	4 1/4	50
3	CTR 3-D	7 3/4	6 1/4	6	5 5/16	2 1/4	6 7/16	3 3/8	3/4	1 7/8	4 3/4	73
3 7/16	CTR 3716-D	9 1/4	7 1/4	7	5 7/8	2 1/2	7 1/2	4 1/8	3/4	2 3/8	5 3/4	111
3 15/16	CTR 31516-D	10 1/4	8 1/4	7 3/4	7 1/8	2 3/4	9 1/4	4 7/8	7/8	2 3/8	6 3/4	187

Type M roller bearing - End Shaft

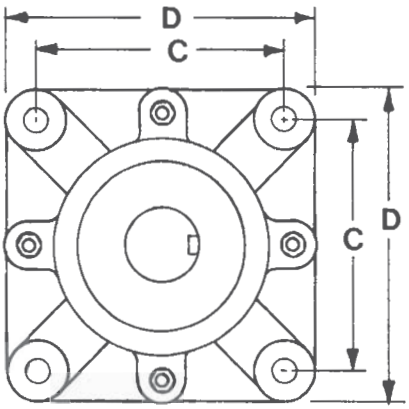


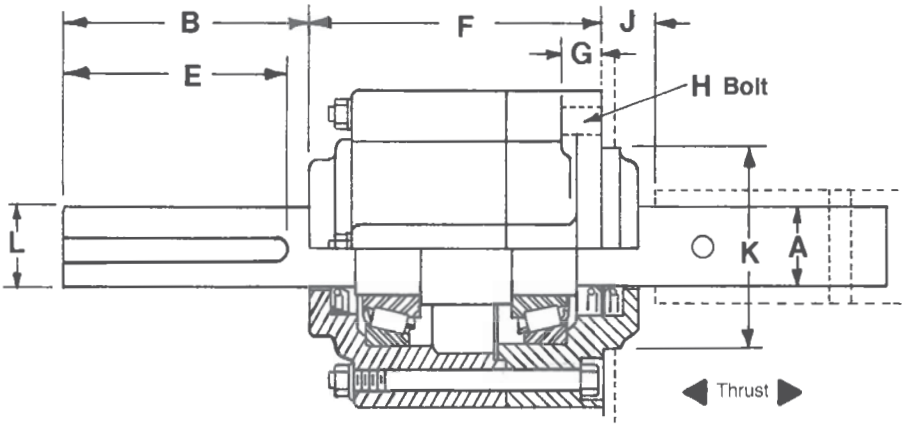


A Shaft Diameter	Part Number	D	C	CSF SEAL F	CSF SEAL G	CSW SEAL F	CSW SEAL G	H	J	Wt.
1 1/2	CTR 112-E	5 3/8	4 1/8	4 1/8	1 13/16	5 1/4	2 15/16	1/2	1 1/4	20
2	CTR 2-E	5 5/8	4 3/8	4 1/4	1 13/16	5 3/8	2 15/16	1/2	1 1/4	29
2 7/16	CTR 2716-E	6 7/8	5 3/8	4 13/16	2 1/8	5 15/16	3 1/4	5/8	1 13/16	44
3	CTR 3-E	7 3/4	6	5 5/16	2 1/4	6 7/16	3 3/8	3/4	1 7/8	60
3 7/16	CTR 3716-E	9 1/4	7	5 7/8	2 1/2	7 1/2	4 1/8	3/4	2 3/8	88
3 15/16	CTR 31516-E	10 1/4	7 3/4	7 1/8	2 3/4	9 1/4	4 7/8	7/8	2 3/8	158

Thrust Bearings

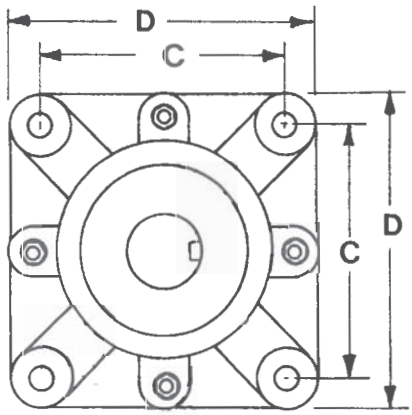
Type H Roller Bearing - Drive Shaft

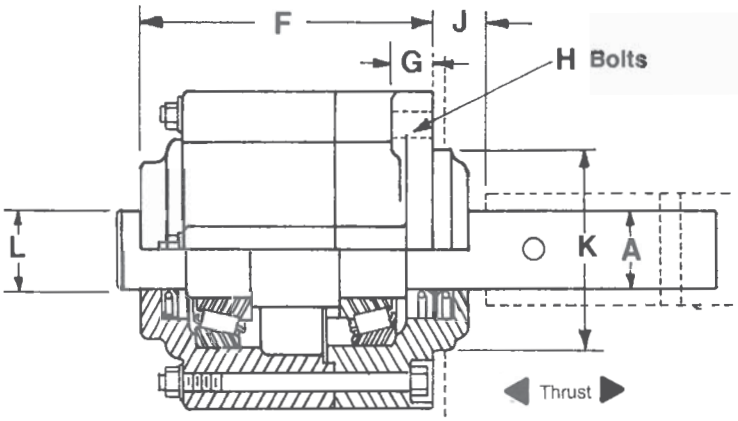




A Shaft Diameter	Part No.	D	B	C	F	G	L	K	Bolts H	J	E	Wt.
1 1/2	CTH 112-D	7 1/4	4	5 3/4	6 3/4	1 1/4	1 7/16	4 7/8	3/4	1 3/8	3 3/4	60
2	CTH 2-D	7 1/4	4 1/2	5 3/4	6 3/4	1 1/4	1 15/16	4 7/8	3/4	1 3/8	4	65
2 7/16	CTH 2716-D	8	5 1/2	6 1/4	6 1/4	1 1/4	2 7/16	5 5/8	7/8	1 3/8	5 1/4	80
3	CTH 3-D	10	6	8	8 1/4	1 3/8	2 15/16	6 1/8	1	1 1/2	5 3/4	145
3 7/16	CTH 3716-D	10	7	8	8 1/4	1 3/8	3 7/16	6 1/8	1	1 1/2	6 3/4	170

Type H Roller Bearing - End Shaft

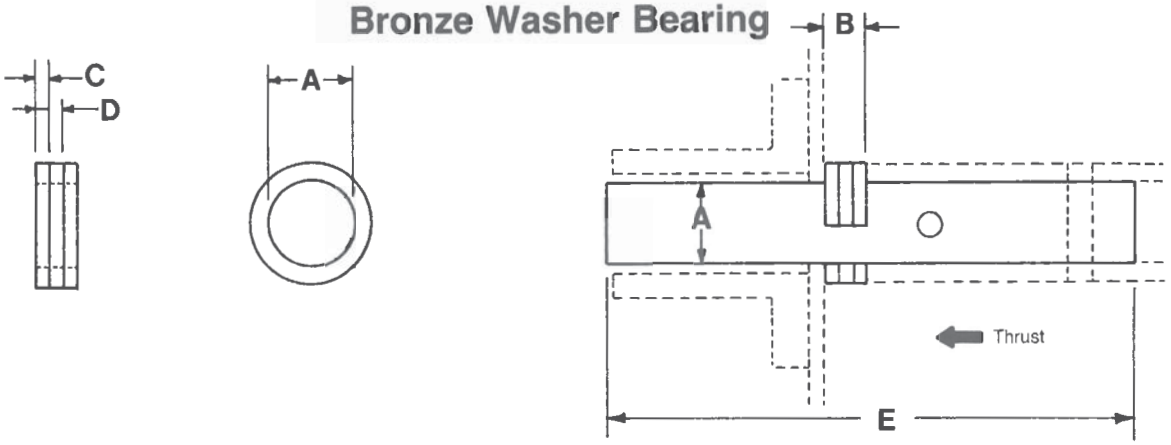




A Shaft Diameter	Part No.	D	C	F	G	L	K	Bolts H	J	Wt.
1 1/2	CTH 112-E	7 1/4	5 3/4	6 3/4	1 1/4	1 7/16	4 7/8	3/4	1 3/8	52
2	CTH 2-E	7 1/4	5 3/4	6 3/4	1 1/4	1 15/16	4 7/8	3/4	1 3/8	56
2 7/16	CTH 2716-E	8	6 1/4	6 1/4	1 1/4	2 7/16	5 5/8	7/8	1 3/8	66
3	CTH 3-E	10	8	8 1/4	1 3/8	2 15/16	6 1/8	1	1 1/2	119
3 7/16	CTH 3716-E	10	8	8 1/4	1 3/8	3 7/16	6 1/8	1	1 1/2	140

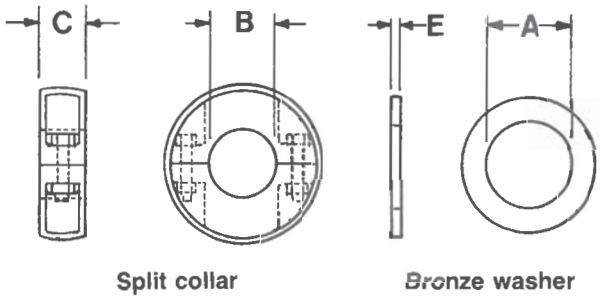
Thrust Bearings

Bronze Washer Bearing



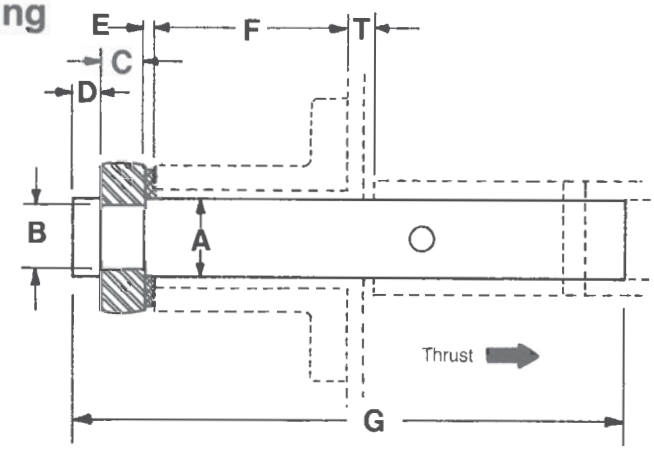
A Shaft Diameter	Part Number	B	C Steel	D Bronze	E	Total Weight
1	CTW 1	5/8	1/4	1/8	6 1/16	1
1 1/2	CTW 112	3/4	1/4	1/4	9	1
2	CTW 2	3/4	1/4	1/4	10	1
2 7/16	CTW 2716	7/8	1/4	3/8	11 5/16	1 1/2
3	CTW 3	7/8	1/4	3/8	12 1/2	2
3 7/16	CTW 3716	1	1/4	1/2	15 5/8	3

Collar & Washer Bearing



Split collar

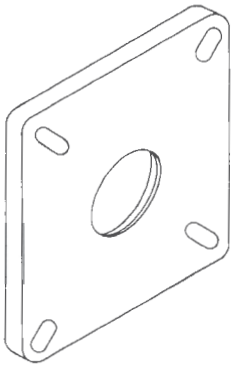
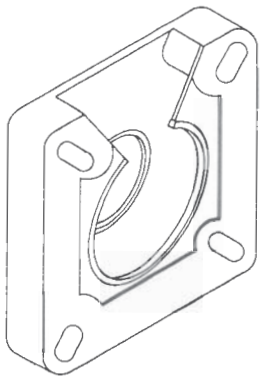
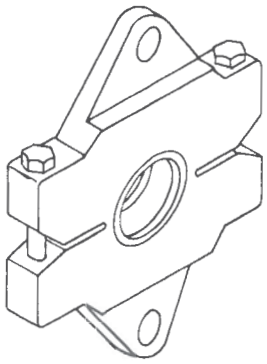
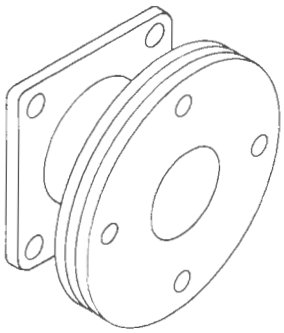
Bronze washer



A Shaft Diameter	Part Number	B	C	D	E	F	G	T	Weight
1	CTW 1-C-*	3/4	1/2	3/8	1/8	2	6 15/16	15/16	6
1 1/2	CTW 112-C-*	1 1/4	7/8	1/2	1/4	3	10 5/8	1 1/4	9
2	CTW 2-C-*	1 3/4	1"	1/2	1/4	4	11 3/4	1 1/4	15
2 7/16	CTW 2716-C-*	2 3/16	1 1/4	5/8	3/8	5	13 15/16	1 13/16	24
3	CTW 3-C-*	2 11/16	1 1/4	5/8	3/8	6	15 1/8	1 7/8	39
3 7/16	CTW 3716-C-*	2 15/16	1 1/4	7/8	1/2	7	19	2 3/8	52

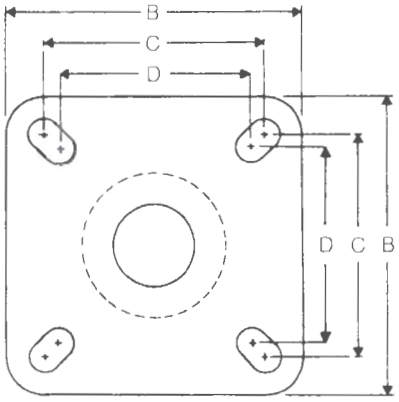
* D Drive Shaft
\- E End Shaft

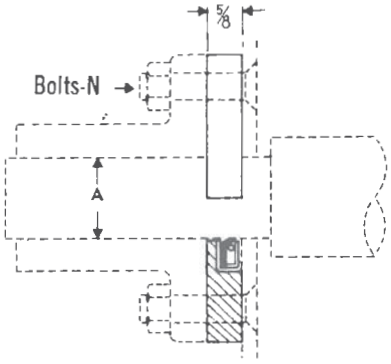
Shaft Seal Index

PLATE SEAL		Plate seals are the most common and economical seal. This type seal is designed for mounting between the trough end and bearing, but may be used separately on pedestal type trough ends. It is normally furnished with a lip seal, but other types of commercial seal cartiages may be used.	Page 65
WASTE PACK SEAL		Waste pack seals can be furnished with waste packing or in combination with felt or lip seal. An opening at the top of the housing facilitates waste repacking. The packing material is partially exposed for oiling. This type seal is normally installed between the trough end and bearing, but may be used separately on pedestal type trough ends.	Page 65
SPLIT GLAND SEAL		Split gland compression type seals provide for easy replacement and adjustment of packing pressure on the shaft without removal of the conveyor. Packing pressure may be adjusted by means of the two mounting bolts. This seal is designed for interior or exterior mounting.	Page 66
FLANGED GLAND SEAL		Flanged gland seals are the most positive type shaft seal and may be used where pressure requirements are desired. Mechanical compression of the packing material is accomplished by means of four compression bolts. Designed for use with outboard bearing ends. Also available in an air purged type.	Page 66

Shaft Seals

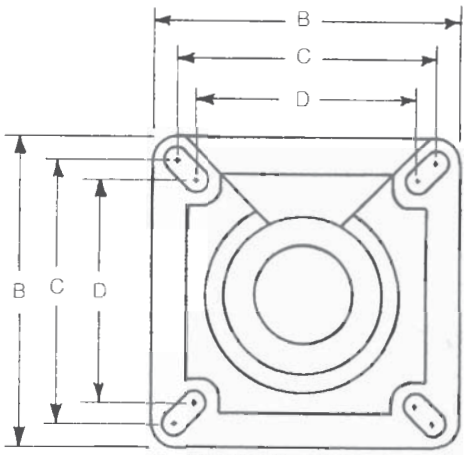
Plate seal



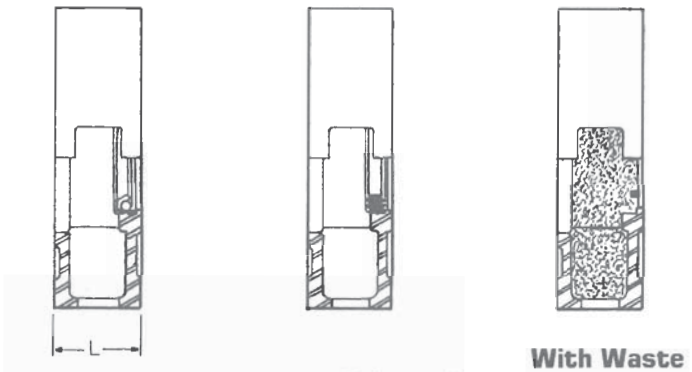


A Shaft Diameter	Part Number	B	C	D	Bolts N	Weight
1 1/2	CSF 112-*	5 3/8	4 1/8	4	1/2	2
2	CSF 2-*	6 1/2	5 1/8	4 3/8	5/8	3
2 7/16	CSF 2716-*	7 3/8	5 7/8	5 3/8	5/8	4
3	CSF 3-*	7 3/4	6	6	3/4	5
3 7/16	CSF 3716-*	9 1/4	7	6 3/4	3/4	8
3 15/16	CSF 31516-*	10 1/4	7 3/4	—	7/8	11

Waste packing seal



Waste Packing Seal



With Lip Seal

With Felt Seal

With Waste Packing

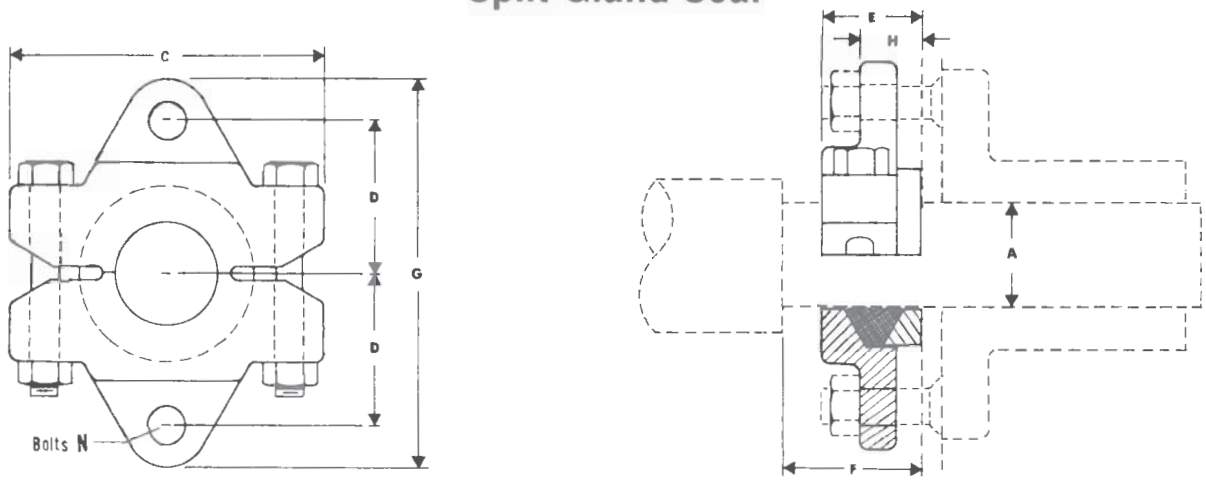
A † Shaft Diameter	Part Number	B	C	D	Bolts N	Thickness L	Weight
1 1/2	CSW 112-*	5 3/8	4 1/8	4	1/2	1 3/4	6
2	CSW 2-*	6 1/2	5 1/8	4 3/8	5/8	1 3/4	8
2 7/16	CSW 2716-*	7 3/8	5 7/8	5 3/8	5/8	1 3/4	10
3	CSW 3-*	7 3/4	6	6	3/4	1 3/4	13
3 7/16	CSW 3716-*	9 1/4	7	6 3/4	3/4	2 1/4	16
3 15/16	CSW 31516	10 1/4	7 3/4	—	7/8	2 3/4	19

† Larger Sizes Available Upon Request

— * F Felt Seal
— * L Lip Seal -*W Waste Pack Seal

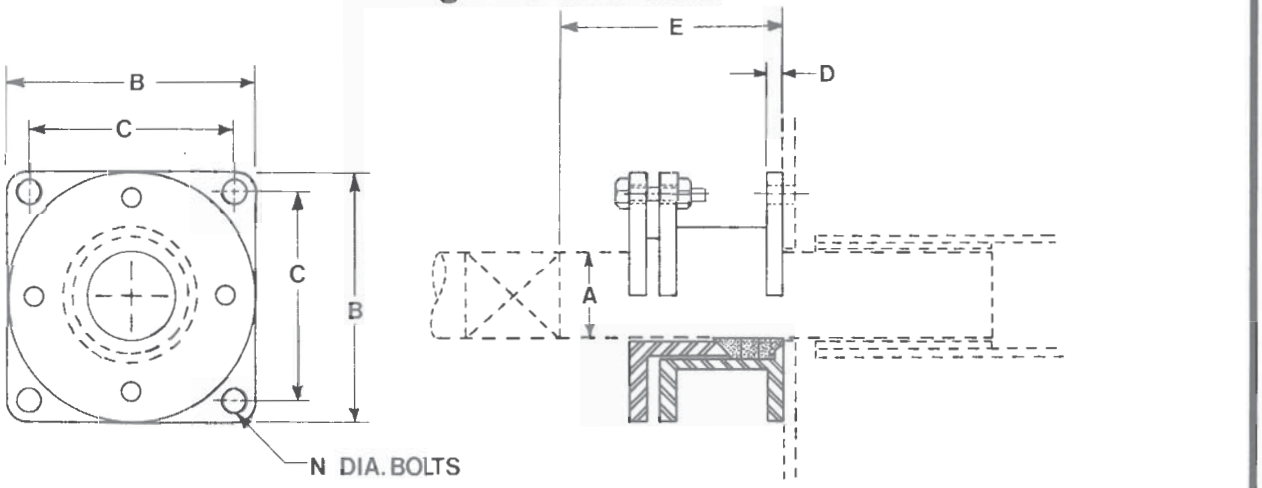
Shaft Seals

Split Gland Seal



A Shaft Diameter	* Part Number	C	D	E	F	G	H	N	Weight
1 1/2	CSS 112	4 9/16	2 3/16	1 7/16	3	5 5/8	7/8	1/2	5
2	CSS 2	5 3/8	2 5/8	1 1/2	3	6 1/2	7/8	1/2	10
2 7/16	CSS 2716	6 1/8	3 1/16	1 5/8	3	7 5/8	1	5/8	15
3	CSS 3	6 3/4	3 9/16	1 5/8	3	8 5/8	1	5/8	22
3 7/16	CSS 3716	8 3/4	4 1/8	2 1/8	4	10 1/4	1 1/4	3/4	30

Flanged Gland Seal



A Shaft Diameter	* Part Number	B	C	D	E	N	Weight
1 1/2	CSG 112	5 3/8	4	1/2	8	1/2	11
2	CSG 2	6 1/2	5 1/8	1/2	8	5/8	11
2 7/16	CSG 2716	7 3/8	5 5/8	1/2	8	5/8	10
3	CSG 3	7 3/4	6	1/2	8	3/4	16
3 7/16	CSG 3716	9 1/4	6 3/4	1/2	8	3/4	30

*Braided Rope Graphite Packing is Standard. Other Types Available on Request.

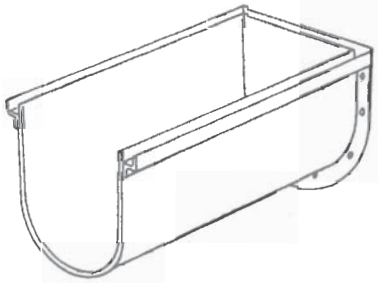
Conveyor Trough Index

U-TROUGH

The normal screw conveyor trough is "U" shaped. The radius of the lower part, the trough height and length have been arranged to make a convenient and rigid enclosure for the conveyor parts as well as to provide economy of construction.

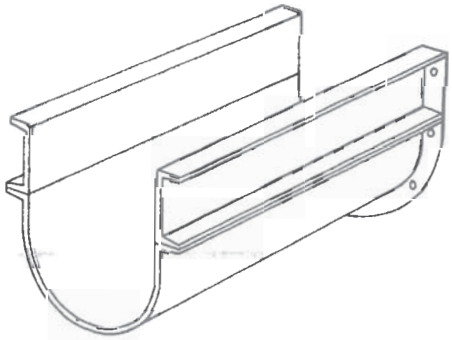
DUST SEAL TROUGH

The dust seal trough (sometimes referred to as Sand Seal Trough) has Z bar top flanges and formed channel cross members at the trough ends, making a continuous channel pocket around the top of the trough, into which a special flanged cover is set. The channel pocket may be filled with dust from the material being conveyed or with sand. Thus an effective seal is created, confining dust within the conveyor trough.



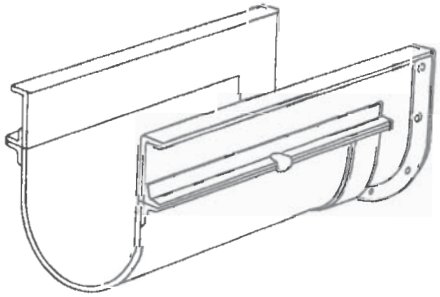
FORMED CHANNEL TROUGH

The channel side trough is made with separate detachable trough bottoms, bolted or clamped to formed or rolled side channels. The channels may be of any reasonable length to span widely spaced supports. This type of trough is occasionally used for easy replacement of trough bottoms and to facilitate repairs when the conveyor screw and hangers are not accessible from the top. The channel side trough can also be used without a bottom, for filling bins or hoppers.



DROP BOTTOM TROUGH

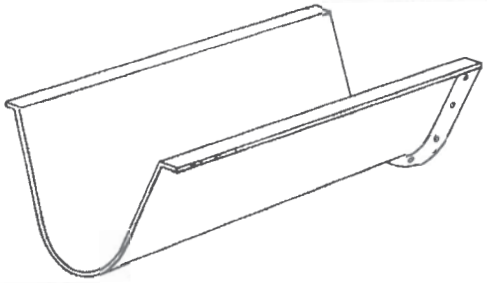
The drop bottom trough is equipped with either a bolted or clamped and completely removable drop bottom, or hinged on one side with bolts or clamps on the opposite side. This arrangement offers ease in cleaning of the trough and conveyor screw and is often used when handling food products where internal inspection and cleaning of the screw conveyor is necessary.



Conveyor Trough Index — con't

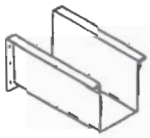
FLARED TROUGH

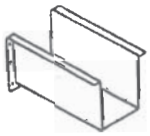
Flared troughs are used primarily to convey materials that tend to bridge over the screw, that are not free flowing, or for sticky or slightly viscous materials. The flared sides of the trough improve the feeding and conveying action. The flared trough is often employed with ribbon conveyor screws.

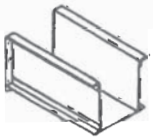


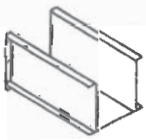
RECTANGULAR TROUGH

Rectangular troughs have flat bottoms. The trough can be formed with integral bottom and sides or with sides and bottom fastened together. It is frequently used in handling abrasive materials, which form a layer on the bottom and a bit up the side, thus forcing the material in transit to travel on itself. Also, in handling hot materials the material will form its own internal insulation with this type trough.







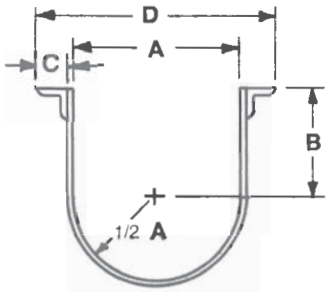


TUBULAR TROUGH

Tubular troughs may be of solid tubular form, or split and having flanges for holding the halves together by bolts or clamps. They are used for weather-tight applications, for loading full cross-sections, and for inclined or vertical applications where full loading is required to reduce fall-back of the material.

Conveyor Trough Index — con't

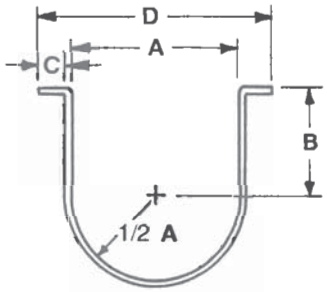
U-Trough



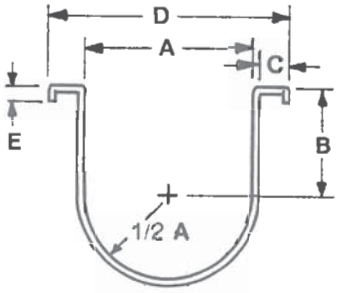
Angle Flange

Screw Dia.	Housing Thickness	Angle Flange Part Number	Wt. Per Std. Lgth.	A	B	C	D	Std. Length
	16	CTA416	50	5	3 5/8	1	7 1/8	10'-0"
4	14	CTA414	58	5	3 5/8	1	7 3/16	10'-0"
	12	CTA412	73	5	3 5/8	1	7 1/4	10'-0"
	16	CTA616	78	7	4 1/2	1 1/4	9 5/8	10'-0"
	14	CTA614	89	7	4 1/2	1 1/4	9 11/16	10'-0"
6	12	CTA612	121	7	4 1/2	1 1/4	9 3/4	10'-0"
	10	CTA610	142	7	4 1/2	1 1/4	9 13/16	10'-0"
	3/16	CTA67	163	7	4 1/2	1 1/4	9 7/8	10'-0"
	14	CTA914	120	10	6 1/8	1 1/2	13 3/16	10'-0"
	12	CTA912	150	10	6 1/8	1 1/2	13 1/4	10'-0"
9	10	CTA910	165	10	6 1/8	1 1/2	13 5/16	10'-0"
	3/16	CTA97	224	10	6 1/8	1 1/2	13 3/8	10'-0"
	1/4	CTA93	284	10	6 1/8	1 1/2	13 1/2	10'-0"
	14	CTA1014	126	11	6 3/8	1 1/2	14 3/16	10'-0"
	12	CTA1012	157	11	6 3/8	1 1/2	14 1/4	10'-0"
10	10	CTA1010	188	11	6 3/8	1 1/2	14 5/16	10'-0"
	3/16	CTA107	239	11	6 3/8	1 1/2	14 3/8	10'-0"
	1/4	CTA103	303	11	6 3/8	1 1/2	14 1/2	10'-0"
	12	CTA1212	236	13	7 3/4	2	17 1/4	12'-0"
12	10	CTA1210	281	13	7 3/4	2	17 5/16	12'-0"
	3/16	CTA127	353	13	7 3/4	2	17 3/8	12'-0"
	1/4	CTA123	446	13	7 3/4	2	17 1/2	12'-0"
	12	CTA1412	257	15	9 1/4	2	19 1/4	12'-0"
14	10	CTA1410	309	15	9 1/4	2	19 5/16	12'-0"
	3/16	CTA147	394	15	9 1/4	2	19 3/8	12'-0"
	1/4	CTA143	501	15	9 1/4	2	19 1/2	12'-0"
	12	CTA1612	285	17	10 5/8	2	21 1/4	12'-0"
16	10	CTA1610	345	17	10 5/8	2	21 5/16	12'-0"
	3/16	CTA167	442	17	10 5/8	2	21 3/8	12'-0"
	1/4	CTA163	565	17	10 5/8	2	21 1/2	12'-0"
	12	CTA1812	356	19	12 1/8	2 1/2	24 1/4	12'-0"
18	10	CTA1810	423	19	12 1/8	2 1/2	24 5/16	12'-0"
	3/16	CTA187	533	19	12 1/8	2 1/2	24 3/8	12'-0"
	1/4	CTA183	671	19	12 1/8	2 1/2	24 1/2	12'-0"
	10	CTA2010	460	21	13 1/2	2 1/2	26 5/16	12'-0"
20	3/16	CTA207	581	21	13 1/2	2 1/2	26 3/8	12'-0"
	1/4	CTA203	734	21	13 1/2	2 1/2	26 1/2	12'-0"
	10	CTA2410	531	25	16 1/2	2 1/2	30 5/16	12'-0"
24	3/16	CTA247	676	25	16 1/2	2 1/2	30 3/8	12'-0"
	1/4	CTA243	860	25	16 1/2	2 1/2	30 1/2	12'-0"

U-Trough



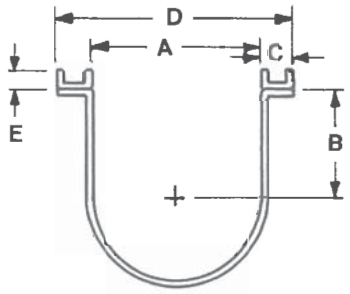
Formed Flange



Double Formed Flange

Screw Dia.	Housing Thickness	Formed Flange Part Number	Wt. Per Std. Lgth.	Double Formed Flange Part Number	Wt. Per Std. Lgth.	A	B	C	D	E	Std. Length
4	16	CTF416	38	CTDF416	40	5	3 3/5	1	7 1/8	1/2	10'-0"
	14	CTF414	47	CTDF414	50	5	3 3/5	1	7 3/16	1/2	10'-0"
	12	CTF412	65	CTDF414	68	5	3 3/5	1	7 1/4	1/2	10'-0"
6	16	CTF616	53	CTDF616	55	7	4 1/2	1 1/4	9 5/8	1/2	10'-0"
	14	CTF614	65	CTDF614	68	7	4 1/2	1 1/4	9 11/16	1/2	10'-0"
	12	CTF612	91	CTDF612	95	7	4 1/2	1 1/4	9 3/4	1/2	10'-0"
	10	CTF610	126	CTDF610	131	7	4 1/2	1 1/4	9 13/16	1/2	10'-0"
	3/16	CTF67	145	CTDF67	151	7	4 1/2	1 1/4	9 7/8	1/2	10'-0"
9	14	CTF914	91	CTDF914	94	10	6 1/8	1 1/2	13 3/16	1/2	10'-0"
	12	CTF912	130	CTDF912	134	10	6 1/8	1 1/2	13 1/4	1/2	10'-0"
	10	CTF910	141	CTDF910	146	10	6 1/8	1 1/2	13 5/16	1/2	10'-0"
	3/16	CTF97	207	CTDF97	213	10	6 1/8	1 1/2	13 3/8	1/2	10'-0"
	1/4	CTF93	273	CTDF93	282	10	6 1/8	1 1/2	13 1/2	1/2	10'-0"
10	14	CTF1014	97	CTDF1014	100	11	6 3/8	1 1/2	14 3/16	1/2	10'-0"
	12	CTF1012	134	CTDF1012	138	11	6 3/8	1 1/2	14 1/4	1/2	10'-0"
	10	CTF1010	152	CTDF1010	157	11	6 3/8	1 1/2	14 5/16	1/2	10'-0"
	3/16	CTF107	222	CTDF107	227	11	6 3/8	1 1/2	14 3/8	1/2	10'-0"
	1/4	CTF103	292	CTDF103	301	11	6 3/8	1 1/2	14 1/2	1/2	10'-0"
12	12	CTF1212	197	CTDF1212	201	13	7 3/4	2	17 1/4	1/2	12'-0"
	10	CTF1210	224	CTDF140	230	13	7 3/4	2	17 5/16	1/2	12'-0"
	3/16	CTF127	326	CTDF127	334	13	7 3/4	2	17 3/8	1/2	12'-0"
	1/4	CTF123	428	CTDF123	438	13	7 3/4	2	17 1/2	1/2	12'-0"
14	12	CTF1412	219	CTDF1412	223	15	9 1/4	2	19 1/4	1/2	12'-0"
	10	CTF1410	248	CTDF1410	254	15	9 1/4	2	19 5/16	1/2	12'-0"
	3/16	CTF147	365	CTDF147	373	15	9 1/4	2	19 3/8	1/2	12'-0"
	1/4	CTF143	483	CTDF143	493	15	9 1/4	2	19 1/2	1/2	12'-0"
16	12	CTF1612	247	CTDF1612	251	17	10 5/8	2	21 1/4	1/2	12'-0"
	10	CTF1610	281	CTDF1610	287	17	10 5/8	2	21 5/16	1/2	12'-0"
	3/16	CTF167	414	CTDF167	422	17	10 5/8	2	21 3/8	1/2	12'-0"
	1/4	CTF163	546	CTDF163	556	17	10 5/8	2	21 1/2	1/2	12'-0"
18	12	CTF1812	284	CTDF1812	286	19	12 1/8	2 1/2	24 1/4	1/2	12'-0"
	10	CTF1810	323	CTDF1810	329	19	12 1/8	2 1/2	24 5/16	1/2	12'-0"
	3/16	CTF187	473	CTDF187	481	19	12 1/8	2 1/2	24 3/8	1/2	12'-0"
	1/4	CTF183	624	CTDF183	634	19	12 1/8	2 1/2	24 1/2	1/2	12'-0"
20	10	CTF2010	355	CTDF2010	361	21	13 1/2	2 1/2	26 5/16	1/2	12'-0"
	3/16	CTF207	521	CTDF207	529	21	13 1/2	2 1/2	26 3/8	1/2	12'-0"
	1/4	CTF203	687	CTDF203	697	21	13 1/2	2 1/2	26 1/2	1/2	12'-0"
24	10	CTF2410	461	CTDF2410	467	25	16 1/2	2 1/2	30 5/16	1/2	12'-0"
	3/16	CTF247	617	CTDF247	625	25	16 1/2	2 1/2	30 3/8	1/2	12'-0"
	1/4	CTF243	813	CTDF243	813	25	16 1/2	2 1/2	30 1/2	1/2	12'-0"

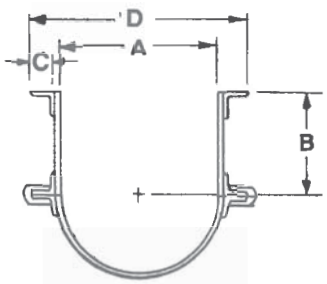
U-Trough



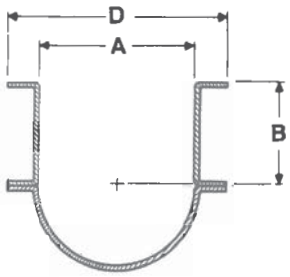
Dust Seal Trough

Screw Dia.	Housing Thickness	Dust Seal Part Number	Wt. Per Std. Lgth.	A	B	C	D	E	Std. Length
6	14	CTD614	106	7	4 1/2	1 1/4	9 11/16	1/2	10'-0"
	12	CTD612	128	7	4 1/2	1 1/4	9 3/4	1/2	10'-0"
	10	CTD610	164	7	4 1/2	1 1/4	9 13/16	1/2	10'-0"
	3/16	CTD67	180	7	4 1/2	1 1/4	9 7/8	1/2	10'-0"
9	14	CTD914	138	10	6 1/8	1 1/2	13 3/16	3/4	10'-0"
	12	CTD912	168	10	6 1/8	1 1/2	13 1/4	3/4	10'-0"
	10	CTD910	197	10	6 1/8	1 1/2	13 5/16	3/4	10'-0"
	3/16	CTD97	231	10	6 1/8	1 1/2	13 3/8	3/4	10'-0"
	1/4	CTD93	297	10	6 1/8	1 1/2	13 1/2	3/4	10'-0"
10	14	CTD1014	145	11	6 3/8	1 1/2	14 3/16	3/4	10'-0"
	12	CTD1012	177	11	6 3/8	1 1/2	14 1/4	3/4	10'-0"
	10	CTD1010	201	11	6 3/8	1 1/2	14 5/16	3/4	10'-0"
	3/16	CTD107	245	11	6 3/8	1 1/2	14 3/8	3/4	10'-0"
	1/4	CTD103	318	11	6 3/8	1 1/2	14 1/2	3/4	10'-0"
12	12	CTD1212	255	13	7 3/4	2	17 1/4	1	12'-0"
	10	CTD1210	303	13	7 3/4	2	17 5/16	1	12'-0"
	3/16	CTD127	368	13	7 3/4	2	17 3/8	1	12'-0"
	1/4	CTD123	460	13	7 3/4	2	17 1/2	1	12'-0"
14	12	CTD1412	276	15	9 1/4	2	19 1/4	1	12'-0"
	10	CTD1410	327	15	9 1/4	2	19 5/16	1	12'-0"
	3/16	CTD147	405	15	9 1/4	2	19 3/8	1	12'-0"
	1/4	CTD143	513	15	9 1/4	2	19 1/2	1	12'-0"
16	12	CTD1612	319	17	10 5/8	2	21 1/4	1	12'-0"
	10	CTD1610	373	17	10 5/8	2	21 5/16	1	12'-0"
	3/16	CTD167	458	17	10 5/8	2	21 3/8	1	12'-0"
	1/4	CTD163	579	17	10 5/8	2	21 1/2	1	12'-0"
18	12	CTD1812	373	19	12 1/8	2 1/2	24 1/4	1	12'-0"
	10	CTD1810	441	19	12 1/8	2 1/2	24 5/16	1	12'-0"
	3/16	CTD187	557	19	12 1/8	2 1/2	24 3/8	1	12'-0"
	1/4	CTD183	684	19	12 1/8	2 1/2	24 1/2	1	12'-0"
20	10	CTD2010	501	21	13 1/2	2 1/2	26 5/16	1	12'-0"
	3/16	CTD207	620	21	13 1/2	2 1/2	26 3/8	1	12'-0"
	1/4	CTD203	762	21	13 1/2	2 1/2	26 1/2	1	12'-0"
24	10	CTD2410	593	25	16 1/2	2 1/2	30 5/16	1	12'-0"
	3/16	CTD247	737	25	16 1/2	2 1/2	30 3/8	1	12'-0"
	1/4	CTD243	897	25	16 1/2	2 1/2	30 1/2	1	12'-0"

Drop Bottom Trough



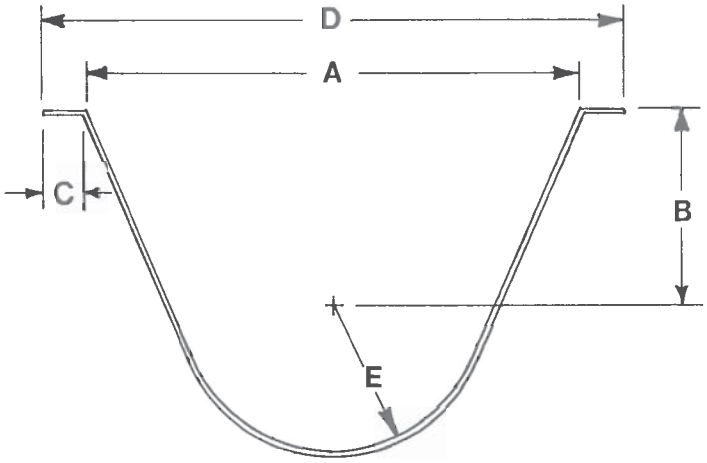
Drop Bottom



Formed Channel Trough

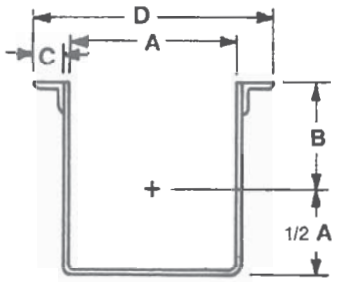
Screw Dia.	Housing Thickness	Angle Drop Part Number	Wt. Per Ft.	Formed Drop Part Number	Wt. Per Ft.	A	B	C	D	Std. Length
6	14	CTAD614	10.2	CTFD614	7.3	7	4 1/2	1 1/4	9 11/16	10'-0"
	12	CTAD612	12.2	CTFD612	9.9	7	4 1/2	1 1/4	9 3/4	10'-0"
	10	CTAD610	14.4	CTFD610	12.7	7	4 1/2	1 1/4	9 13/16	10'-0"
	3/16	CTAD67	17.8	CTFD67	17.2	7	4 1/2	1 1/4	9 7/8	10'-0"
9	14	CTAD914	18.6	CTFD914	9.8	10	6 1/8	1 1/2	13 3/16	10'-0"
	12	CTAD912	21.6	CTFD912	13.6	10	6 1/8	1 1/2	13 1/4	10'-0"
	10	CTAD910	24.6	CTFD910	17.3	10	6 1/8	1 1/2	13 5/16	10'-0"
	3/16	CTAD97	29.5	CTFD97	23.5	10	6 1/8	1 1/2	13 3/8	10'-0"
	1/4	CTAD93	35.6	CTFD93	31.2	10	6 1/8	1 1/2	13 1/2	10'-0"
10	14	CTAD1014	18.9	CTFD1014	10.1	11	6 3/8	1 1/2	14 3/16	10'-0"
	12	CTAD1012	22.1	CTFD1012	14.1	11	6 3/8	1 1/2	14 1/4	10'-0"
	10	CTAD1010	25.2	CTFD1010	17.9	11	6 3/8	1 1/2	14 5/16	10'-0"
	3/16	CTAD107	30.3	CTFD107	24.3	11	6 3/8	1 1/2	14 3/8	10'-0"
	1/4	CTAD103	36.6	CTFD103	32.2	11	6 3/8	1 1/2	14 1/2	10'-0"
12	12	CTAD1212	28.2	CTFD1212	17.4	13	7 3/4	2	17 1/4	12'-0"
	10	CTAD1210	31.9	CTFD1210	22.3	13	7 3/4	2	17 5/16	12'-0"
	3/16	CTAD127	38.0	CTFD127	30.2	13	7 3/4	2	17 3/8	12'-0"
	1/4	CTAD123	45.6	CTFD123	40.1	13	7 3/4	2	17 1/2	12'-0"
14	12	CTAD1412	30.4	CTFD1412	19.6	15	9 1/4	2	19 1/4	12'-0"
	10	CTAD1410	34.8	CTFD1410	25.2	15	9 1/4	2	19 5/16	12'-0"
	3/16	CTAD147	41.9	CTFD147	34.1	15	9 1/4	2	19 3/8	12'-0"
	1/4	CTAD143	50.7	CTFD143	45.2	15	9 1/4	2	19 1/2	12'-0"
16	12	CTAD1612	32.6	CTFD1612	21.8	17	10 5/8	2	21 1/4	12'-0"
	10	CTAD1610	37.5	CTFD1610	27.9	17	10 5/8	2	21 5/16	12'-0"
	3/16	CTAD167	45.7	CTFD167	37.8	17	10 5/8	2	21 3/8	12'-0"
	1/4	CTAD163	55.8	CTFD163	50.3	17	10 5/8	2	21 1/2	12'-0"
18	12	CTAD1812	38.4	CTFD1812	25.3	19	12 1/8	2 1/2	24 1/4	12'-0"
	10	CTAD1810	44.0	CTFD1810	32.4	19	12 1/8	2 1/2	24 5/16	12'-0"
	3/16	CTAD187	53.1	CTFD187	43.9	19	12 1/8	2 1/2	24 3/8	12'-0"
	1/4	CTAD183	64.6	CTFD183	58.5	19	12 1/8	2 1/2	24 1/2	12'-0"
20	10	CTAD2010	46.9	CTFD2010	35.3	21	13 1/2	2 1/2	26 5/16	12'-0"
	3/16	CTAD207	57.0	CTFD207	47.8	21	13 1/2	2 1/2	26 3/8	12'-0"
	1/4	CTAD203	69.7	CTFD203	63.6	21	13 1/2	2 1/2	26 1/2	12'-0"
24	10	CTAD2410	52.4	CTFD2410	40.8	25	16 1/2	2 1/2	30 5/16	12'-0"
	3/16	CTAD247	64.6	CTFD247	55.4	25	16 1/2	2 1/2	30 3/8	12'-0"
	1/4	CTAD243	79.1	CTFD243	73.8	25	16 1/2	2 1/2	30 1/2	12'-0"

Flared Trough

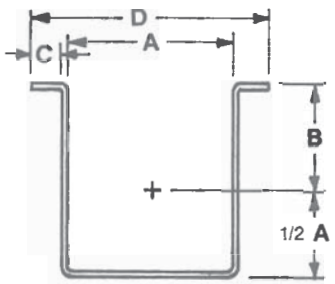


Screw Dia.	Trough Thickness	Part Number	Weight Per Foot	A	B	C	D	E	Std. Length
6	14	CTV614	7.9	14	7	1 1/4	16 5/8	3 1/2	10'-0"
	12	CTV612	10.8	14	7	1 1/4	16 5/8	3 1/2	10'-0"
	10	CTV610	14	14	7	1 1/4	16 5/8	3 1/2	10'-0"
9	12	CTV912	14.6	18	9	1 1/2	21 1/4	5	10'-0"
	10	CTV910	18.5	18	9	1 1/2	21 1/4	5	10'-0"
	3/16	CTV97	22	18	9	1 1/2	21 3/8	5	10'-0"
12	10	CTV1210	27	22	10	2	26 1/4	6 1/2	12'-0"
	3/16	CTV127	37	22	10	2	26 1/4	6 1/2	12'-0"
	1/4	CTV123	49	22	10	2	26 3/8	6 1/2	12'-0"
14	10	CTV1410	30	24	11	2	28 1/4	7 1/2	12'-0"
	3/16	CTV147	41	24	11	2	28 1/4	7 1/2	12'-0"
	1/4	CTV143	55	24	11	2	28 3/8	7 1/2	12'-0"
16	10	CTV1610	33	28	11 1/2	2	32 1/4	8 1/2	12'-0"
	3/16	CTV167	44	28	11 1/2	2	32 3/8	8 1/2	12'-0"
	1/4	CTV163	59	28	11 1/2	2	32 1/2	8 1/2	12'-0"
18	10	CTV1810	26	31	12 1/8	2 1/2	36 1/4	9 1/2	12'-0"
	3/16	CTV187	49	31	12 1/8	2 1/2	36 3/8	9 1/2	12'-0"
	1/4	CTV183	65	31	12 1/8	2 1/2	36 1/2	9 1/2	12'-0"
20	10	CTV2010	27	34	13 1/2	2 1/2	39 1/4	10 1/2	12'-0"
	3/16	CTV207	52	34	13 1/2	2 1/2	39 3/8	10 1/2	12'-0"
	1/4	CTV203	69	34	13 1/2	2 1/2	39 1/2	10 1/2	12'-0"
24	10	CTV2410	31	40	16 1/2	2 1/2	45 1/4	12 1/2	12'-0"
	3/16	CTV247	60	40	16 1/2	2 1/2	45 3/8	12 1/2	12'-0"
	1/4	CTV243	79	40	16 1/2	2 1/2	45 1/2	12 1/2	12'-0"

Rectangular Troughs



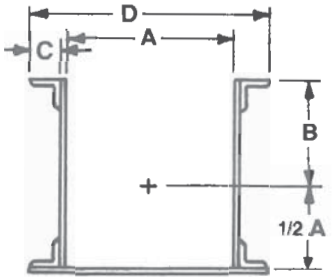
Angle Flange



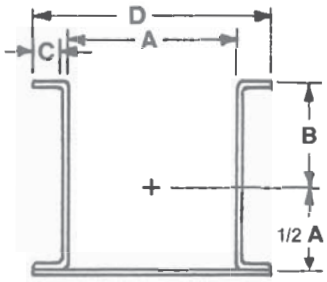
Formed Flange

Screw Dia.	Housing Thickness	Angle Flange Part Number	Wt. Per Ft.	Formed Flange Part Number	Wt. Per Ft.	A	B	C	D	Std. Length
6	16	CTRA616	7.8	CTRF616	5.3	7	4 1/2	1 1/4	9 5/8	10'-0"
	14	CTRA614	8.9	CTRF614	6.6	7	4 1/2	1 1/4	9 11/16	10'-0"
	12	CTRA612	11.3	CTRF612	9.2	7	4 1/2	1 1/4	9 3/4	10'-0"
	10	CTRA610	13.7	CTRF610	11.82	7	4 1/2	1 1/4	9 13/16	10'-0"
	3/16	CTRA67	17.5	CTRF67	16.1	7	4 1/2	1 1/4	9 7/8	10'-0"
9	14	CTRA914	12.1	CTRF914	9.8	10	6 1/8	1 1/2	13 3/16	10'-0"
	12	CTRA912	15.4	CTRF912	13.4	10	6 1/8	1 1/2	13 1/4	10'-0"
	10	CTRA910	18.8	CTRF910	17.2	10	6 1/8	1 1/2	13 5/16	10'-0"
	3/16	CTRA97	24.3	CTRF97	22.8	10	6 1/8	1 1/2	13 3/8	10'-0"
	1/4	CTRA93	31.2	CTRF93	29.6	10	6 1/8	1 1/2	13 1/2	10'-0"
10	14	CTRA1014	12.7	CTRF1014	10.1	11	6 3/8	1 1/2	14 3/16	10'-0"
	12	CTRA1012	16.3	CTRF1012	14.1	11	6 3/8	1 1/2	14 1/4	10'-0"
	10	CTRA1010	19.9	CTRF1010	18.1	11	6 3/8	1 1/2	14 5/16	10'-0"
	3/16	CTRA107	25.8	CTRF107	24.5	11	6 3/8	1 1/2	14 3/8	10'-0"
	1/4	CTRA103	33.2	CTRF103	32.6	11	6 3/8	1 1/2	14 1/2	10'-0"
12	12	CTRA1212	21.8	CTRF1212	17	13	7 3/4	2	17 1/4	12'-0"
	10	CTRA1210	26.0	CTRF1210	21.6	13	7 3/4	2	17 5/16	12'-0"
	3/16	CTRA127	31.6	CTRF127	29.1	13	7 3/4	2	17 3/8	12'-0"
	1/4	CTRA123	39.8	CTRF123	37.8	13	7 3/4	2	17 1/2	12'-0"
14	12	CTRA1412	24	CTRF1412	19.2	15	9 1/4	2	19 1/4	12'-0"
	10	CTRA1410	28.8	CTRF1410	24.5	15	9 1/4	2	19 5/16	12'-0"
	3/16	CTRA147	35.5	CTRF147	33.0	15	9 1/4	2	19 3/8	12'-0"
	1/4	CTRA143	45.7	CTRF143	43.9	15	9 1/4	2	19 1/2	12'-0"
16	12	CTRA1612	26.2	CTRF1612	21.4	17	10 5/8	2	21 1/4	12'-0"
	10	CTRA1610	31.6	CTRF1610	27.3	17	10 5/8	2	21 5/16	12'-0"
	3/16	CTRA167	41.1	CTRF167	37.5	17	10 5/8	2	21 3/8	12'-0"
	1/4	CTRA163	52.7	CTRF163	50.2	17	10 5/8	2	21 1/2	12'-0"
18	12	CTRA1812	31.1	CTRF1812	24.8	19	12 1/8	2 1/2	24 1/4	12'-0"
	10	CTRA1810	37.3	CTRF1810	31.5	19	12 1/8	2 1/2	24 5/16	12'-0"
	3/16	CTRA187	48.2	CTRF187	43.2	19	12 1/8	2 1/2	24 3/8	12'-0"
	1/4	CTRA183	60.8	CTRF183	57.6	19	12 1/8	2 1/2	24 1/2	12'-0"
20	10	CTRA2010	41.8	CTRF2010	36	21	13 1/2	2 1/2	26 5/16	12'-0"
	3/16	CTRA207	54.6	CTRF207	49.5	21	13 1/2	2 1/2	26 3/8	12'-0"
	1/4	CTRA203	69.8	CTRF203	66	21	13 1/2	2 1/2	26 1/2	12'-0"
24	10	CTRA2410	53	CTRF2410	47.5	25	16 1/2	2 1/2	30 5/16	12'-0"
	3/16	CTRA247	69.8	CTRF247	65.3	25	16 1/2	2 1/2	30 3/8	12'-0"
	1/4	CTRA243	90.8	CTRF243	87	25	16 1/2	2 1/2	30 1/2	12'-0"

Rectangular Troughs



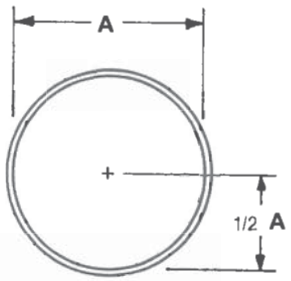
Angle Flange
Top & Bottom



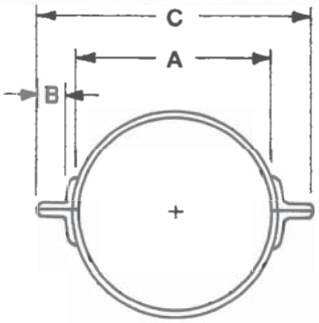
Formed Flange
Top & Bottom

Screw Dia.	Housing Thickness	Angle Flange Part Number	Wt. Per Ft.	Formed Flange Part Number	Wt. Per Ft.	A	B	C	D	Std. Length
6	16	CTRAC616	11.5	CTRFC616	6.5	7	4 1/2	1 1/4	9 5/8	10'-0"
	14	CTRAC614	12.9	CTRFC614	8.3	7	4 1/2	1 1/4	9 11/16	10'-0"
	12	CTRAC612	15.7	CTRFC612	11.5	7	4 1/2	1 1/4	9 3/4	10'-0"
	10	CTRAC610	18.4	CTRFC610	14.7	7	4 1/2	1 1/4	9 13/16	10'-0"
	3/16	CTRAC67	22.9	CTRFC67	20.0	7	4 1/4	1 1/4	9 7/8	10'-0"
9	14	CTRAC914	16.6	CTRFC914	11.0	10	6 1/8	1 1/2	13 3/16	10'-0"
	12	CTRAC912	20.4	CTRFC912	15.4	10	6 1/8	1 1/2	13 1/4	10'-0"
	10	CTRAC910	24.1	CTRFC910	19.8	10	6 1/8	1 1/2	13 5/16	10'-0"
	3/16	CTRAC97	30.2	CTRFC97	26.9	10	6 1/8	1 1/2	13 3/8	10'-0"
	1/4	CTRAC93	37.8	CTRFC93	35.7	10	6 1/8	1 1/2	13 1/2	10'-0"
10	14	CTRAC1014	17.3	CTRFC1014	11.7	11	6 3/8	1 1/2	14 3/16	10'-0"
	12	CTRAC1012	21.3	CTRFC1012	16.3	11	6 3/8	1 1/2	14 1/4	10'-0"
	10	CTRAC1010	25.3	CTRFC1010	21.0	11	6 3/8	1 1/2	14 5/16	10'-0"
	3/16	CTRAC107	31.8	CTRFC107	28.5	11	6 3/8	1 1/2	14 3/8	10'-0"
	1/4	CTRAC103	39.9	CTRFC103	37.8	11	6 3/8	1 1/2	14 1/2	10'-0"
12	12	CTRAC1212	26.9	CTRFC1212	19.9	13	7 3/4	2	17 1/4	12'-0"
	10	CTRAC1210	31.8	CTRFC1210	25.4	13	7 3/4	2	17 5/16	12'-0"
	3/16	CTRAC127	39.7	CTRFC127	34.5	13	7 3/4	2	17 3/8	12'-0"
	1/4	CTRAC123	49.6	CTRFC123	45.9	13	7 3/4	2	17 1/2	12'-0"
14	12	CTRAC1412	29.1	CTRFC1412	22.0	15	9 1/4	2	19 1/4	12'-0"
	10	CTRAC1410	34.6	CTRFC1410	28.2	15	9 1/4	2	19 5/16	12'-0"
	3/16	CTRAC147	43.5	CTRFC147	38.3	15	9 1/4	2	19 3/8	12'-0"
	1/4	CTRAC143	54.7	CTRFC143	51.0	15	9 1/4	2	19 1/2	12'-0"
16	12	CTRAC1612	31.7	CTRFC1612	24.6	17	10 5/8	2	21 1/4	12'-0"
	10	CTRAC1610	38.0	CTRFC1610	31.6	17	10 5/8	2	21 5/16	12'-0"
	3/16	CTRAC167	48.1	CTRFC167	42.9	17	10 5/8	2	21 3/8	12'-0"
	1/4	CTRAC163	60.8	CTRFC163	57.1	17	10 5/8	2	21 1/2	12'-0"
18	12	CTRAC1812	37.3	CTRFC1812	28.5	19	12 1/8	2 1/2	24 1/4	12'-0"
	10	CTRAC1810	44.4	CTRFC1810	36.6	19	12 1/8	2 1/2	24 5/16	12'-0"
	3/16	CTRAC187	55.9	CTRFC187	49.8	19	12 1/8	2 1/2	24 3/8	12'-0"
	1/4	CTRAC183	70.4	CTRFC183	66.3	19	12 1/8	2 1/2	24 1/2	12'-0"
20	10	CTRAC2010	47.2	CTRFC2010	39.4	21	13 1/2	2 1/2	26 5/16	12'-0"
	3/16	CTRAC207	59.8	CTRFC207	53.8	21	13 1/2	2 1/2	26 3/8	12'-0"
	1/4	CTRAC203	75.6	CTRFC203	71.5	21	13 1/2	2 1/2	26 1/2	12'-0"
24	10	CTRAC2410	54.0	CTRFC2410	46.2	25	16 1/2	2 1/2	30 5/16	12'-0"
	3/16	CTRAC247	68.9	CTRFC247	62.8	25	16 1/2	2 1/2	30 3/8	12'-0"
	1/4	CTRAC243	87.8	CTRFC243	83.7	25	16 1/2	2 1/2	30 1/2	12'-0"

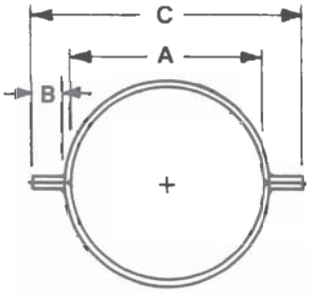
Tubular Troughs



STANDARD



ANGLE FLANGE

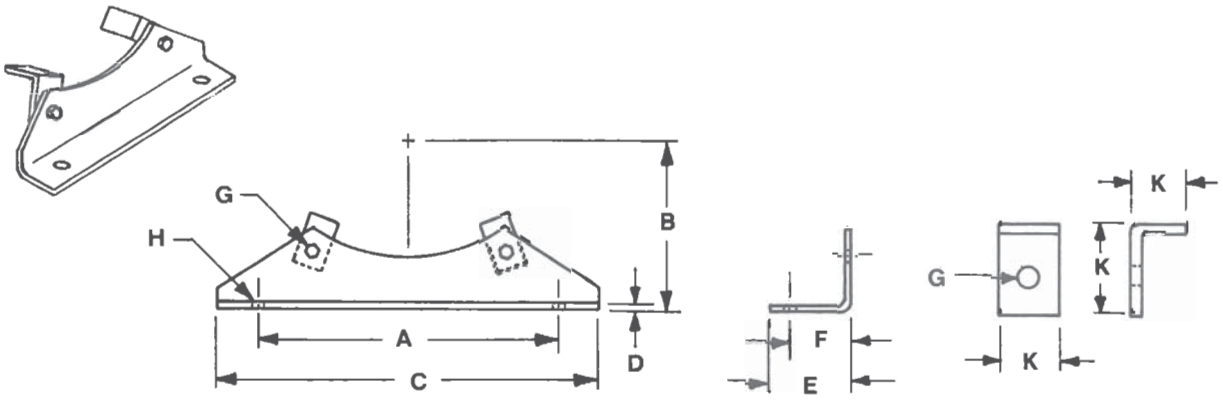


FORMED FLANGE

Screw Dia.	Housing Thickness	Std. Housing Part Number	Wt. Per Std. Lgth.	Angle Flange Part Number	Wt. Per Std. Lgth.	Formed Flange Part Number	Wt. Per Std. Lgth.	A	B	C	Std. Length
4	16	CTT416	35	CTTA416	81	CTTF416	43	5	1	7 1/8	10'-0"
	14	CTT414	43	CTTA414	89	CTTF414	53	5	1	7 3/16	10'-0"
	12	CTT412	60	CTTA412	106	CTTF412	74	5	1	7 1/4	10'-0"
6	16	CTT616	50	CTTA616	110	CTTF616	60	7	1 1/4	9 5/8	10'-0"
	14	CTT614	62	CTTA614	122	CTTF614	75	7	1 1/4	9 11/16	10'-0"
	12	CTT612	85	CTTA612	145	CTTA612	103	7	1 1/4	9 3/4	10'-0"
	10	CTT610	110	CTTA610	187	CTTF610	133	7	1 1/4	9 13/16	10'-0"
	3/16	CTT67	145	CTTA67	205	CTTF67	168	7	1 1/4	9 7/8	10'-0"
9	14	CTT914	89	CTTA914	161	CTTF914	104	10	1 1/2	13 3/16	10'-0"
	12	CTT912	122	CTTA912	194	CTTF912	143	10	1 1/2	13 1/4	10'-0"
	10	CTT910	155	CTTA910	227	CTTF910	182	10	1 1/2	13 5/16	10'-0"
	3/16	CTT97	208	CTTA97	280	CTTF97	245	10	1 1/2	13 3/8	10'-0"
	1/4	CTT93	275	CTTA93	347	CTTF93	324	10	1 1/2	13 1/2	10'-0"
10	14	CTT1014	97	CTTA1014	169	CTTF1014	112	11	1 1/2	14 3/16	10'-0"
	12	CTT1012	133	CTTA1012	205	CTTF1012	154	11	1 1/2	14 1/4	10'-0"
	10	CTT1010	169	CTTA1010	241	CTTF1010	196	11	1 1/2	14 5/16	10'-0"
	3/16	CTT107	227	CTTA107	299	CTTF107	264	11	1 1/2	14 3/8	10'-0"
	1/4	CTT103	301	CTTA103	373	CTTF103	350	11	1 1/2	14 1/2	10'-0"
12	12	CTT1212	163	CTTA1212	261	CTTF1212	193	13	2	17 1/4	12'-0"
	10	CTT1210	208	CTTA1210	306	CTTF1210	247	13	2	17 5/16	12'-0"
	3/16	CTT127	275	CTTA127	373	CTTF127	328	13	2	17 3/8	12'-0"
	1/4	CTT123	362	CTTA123	460	CTTF123	432	13	2	17 1/2	12'-0"
14	12	CTT1412	187	CTTA1412	285	CTTF1412	217	15	2	19 1/4	12'-0"
	10	CTT1410	236	CTTA1410	334	CTTF1410	275	15	2	19 5/16	12'-0"
	3/16	CTT147	316	CTTA147	414	CTTF147	369	15	2	19 3/8	12'-0"
	1/4	CTT143	416	CTTA143	514	CTTF143	486	15	2	19 1/2	12'-0"
16	12	CTT1612	212	CTTA1612	310	CTTF1612	242	17	2	21 1/4	12'-0"
	10	CTT1610	268	CTTA1610	366	CTTF1610	307	17	2	21 5/16	12'-0"
	3/16	CTT167	358	CTTA167	456	CTTF167	411	17	2	21 3/8	12'-0"
	1/4	CTT163	472	CTTA163	570	CTTF163	542	17	2	21 1/2	12'-0"
18	12	CTT1812	242	CTTA1812	365	CTTF1812	280	19	2 1/2	24 1/4	12'-0"
	10	CTT1810	304	CTTA1810	427	CTTF1810	353	19	2 1/2	24 5/16	12'-0"
	3/16	CTT187	405	CTTA187	528	CTTF187	472	19	2 1/2	24 3/8	12'-0"
	1/4	CTT183	533	CTTA183	656	CTTF183	622	19	2 1/2	24 1/2	12'-0"
20	10	CTT2010	335	CTTA2010	458	CTTF2010	382	21	2 1/2	26 5/16	12'-0"
	3/16	CTT207	446	CTTA207	569	CTTF207	510	21	2 1/2	26 3/8	12'-0"
	1/4	CTT203	586	CTTA203	709	CTTF203	672	21	2 1/2	26 1/2	12'-0"
24	10	CTT2410	399	CTTA2410	522	CTTF2410	446	25	2 1/2	30 5/16	12'-0"
	3/16	CTT247	531	CTTA247	654	CTTF247	595	25	2 1/2	30 3/8	12'-0"
	1/4	CTT243	699	CTTA243	822	CTTF243	785	25	2 1/2	30 1/2	12'-0"

Saddles & Feet

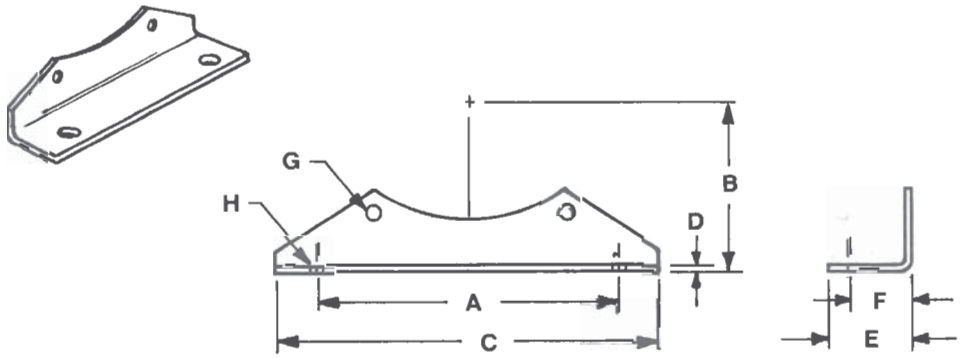
SADDLE



Screw Dia.	Part Number	A	B	C	D	E	F	G Bolts	H Bolts	K	Weight
4	CS4	5 3/4	4 5/8	7 3/8	3/16	1 1/2	7/8	3/8	3/8	1 1/2	1.5
6	CS6	8 1/8	5 5/8	10	3/16	1 1/2	13/16	3/8	3/8	1 1/2	2.0
9	CS9	9 3/8	7 7/8	12	3/16	2 1/2	1 5/16	3/8	1/2	2	3.0
10	CS10	9 1/2	8 7/8	12 3/8	3/16	2 1/2	1 9/16	3/8	5/8	2	5.0
12	CS12	12 1/4	9 5/8	15	1/4	2 1/2	1 3/8	1/2	5/8	2 1/2	6.0
14	CS14	13 1/2	10 7/8	16 1/2	1/4	2 1/2	1 3/8	1/2	5/8	2 1/2	7.0
16	CS16	14 7/8	12	18	1/4	3	1 3/4	5/8	5/8	2 1/2	8.0
18	CS18	16	13 3/8	19 1/8	1/4	3	1 3/4	5/8	5/8	2 1/2	10.0
20	CS20	19 1/4	15	22 3/4	1/4	3 1/2	2	5/8	3/4	2 1/2	13.0
24	CS24	20	18 1/8	24	1/4	4	2 1/4	5/8	3/4	2 1/2	15.0

*Saddle includes support foot, [2] clips and bolts shown.

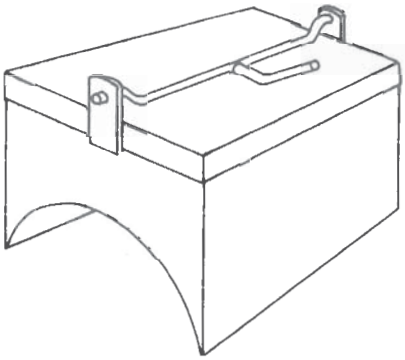
FLANGED FOOT

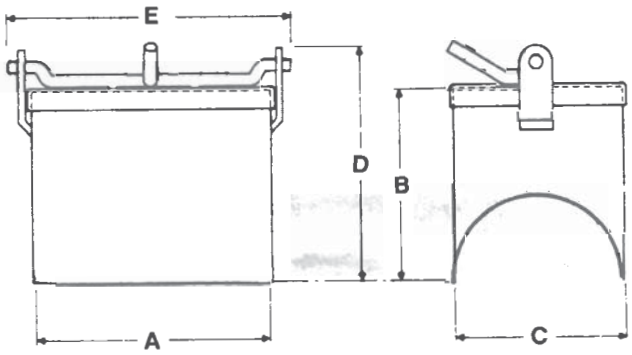


Screw Dia.	Part Number	A	B	C	D	E	F	G Bolts	H Bolts	Weight
4	CFF4	5 3/4	4 5/8	7 3/8	3/16	1 1/2	7/8	3/8	3/8	1.5
6	CFF6	8 1/8	5 5/8	10	3/16	1 1/2	13/16	3/8	3/8	2.0
9	CFF9	9 3/8	7 7/8	12	3/16	2 1/2	1 5/16	3/8	1/2	3.0
10	CFF10	9 1/2	8 7/8	12 3/8	3/16	2 1/2	1 9/16	3/8	5/8	5.0
12	CFF12	12 1/4	9 5/8	15	1/4	2 1/2	1 3/8	1/2	5/8	6.0
14	CFF14	13 1/2	10 7/8	16 1/2	1/4	2 1/2	1 3/8	1/2	5/8	7.0
16	CFF16	14 7/8	12	18	1/4	3	1 3/4	5/8	5/8	7.5
18	CFF18	16	13 3/8	19 1/8	1/4	3	1 3/4	5/8	5/8	9.5
20	CFF20	19 1/4	15	22 3/4	1/4	3 1/2	2	5/8	3/4	12.5
24	CFF24	20	18 1/8	24	1/4	4	2 1/4	5/8	3/4	14.5

Hanger Pockets

Hanger Pockets are used with tubular trough and mounted on top of the tubular trough at hanger bearing points. The hanger pockets form a U-shape section for a short length, allowing the use of standard conveyor hangers and providing easy access to the hanger.



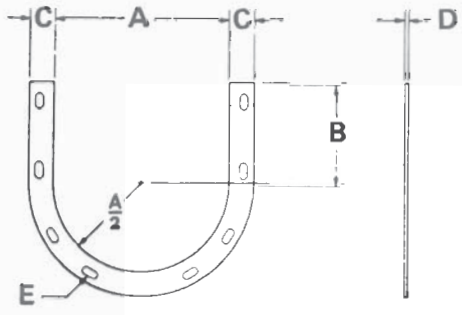


Conveyor Diameter	Part Number	A	B	C	D	E	Weight Each
4	CPH416	12	3 3/4	5	5 1/2	14	2
6	CPH616	12	4 3/4	7	6 1/2	14	3
9	CPH914	12	6 3/8	10	8 1/4	14	4
10	CPH1014	12	6 5/8	11	8 1/2	14	9
12	CPH1212	18	8	13	9 3/4	20	18
14	CPH1412	18	9 1/2	15	11 1/4	20	24
16	CPH1612	18	10 7/8	17	12 3/4	20	26
18	CPH1812	18	12 3/8	19	14 1/4	20	30
20	CPH2010	18	13 3/4	21	15 1/2	20	45
24	CPH2410	18	16 3/4	25	18 1/2	20	50

Plate End Flanges

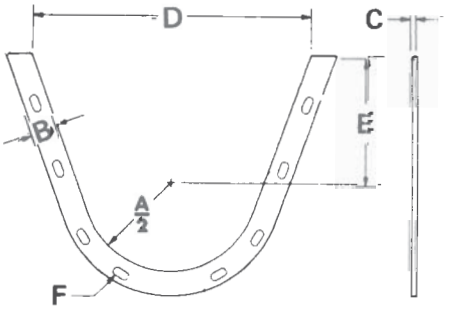
U-Trough

Screw Dia.	Part Number	A Trough Thickness Thru 10 Ga	A Trough Thickness 3/16-1/4	B	C	D	E Bolts	Wt.
4	CFP4*U	5 1/4	5 3/8	3 5/8	1 1/4	3/16	3/8	1
6	CFP6*U	7 1/4	7 3/8	4 1/2	1 1/4	3/16	3/8	1.5
9	CFP9*U	10 1/4	10 1/2	6 1/8	1 3/4	3/16	3/8	2.4
10	CFP10*U	11 1/4	11 1/2	6 3/8	1 3/4	3/16	3/8	3.1
12	CFP12*U	13 1/4	13 1/2	7 3/4	2	1/4	1/2	5.5
14	CFP14*U	15 1/4	15 1/2	9 1/4	2	1/4	1/2	6.5
16	CFP16*U	17 1/4	17 1/2	10 5/8	2	1/4	5/8	7.4
18	CFP18*U	19 1/4	19 1/2	12 1/8	2 1/2	1/4	5/8	10.4
20	CFP20*U	21 1/4	21 1/2	13 1/2	2 1/2	1/4	5/8	11.5
24	CFP24*U	25 1/4	25 1/2	16 1/2	2 1/2	1/4	5/8	13.5



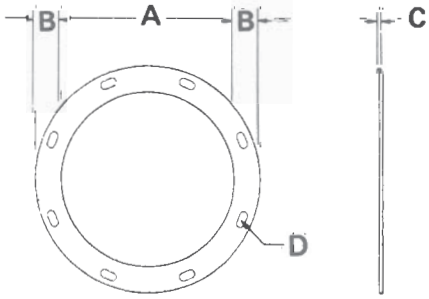
Flared Trough

Screw Dia.	Part Number	A Trough Thickness Thru 10 Ga.	A Trough Thickness 3/16-1/4	D Trough Thickness Thru 10 Ga.	D Trough Thickness 3/16-1/4	E Trough Thickness Thru 10 Ga.	E Trough Thickness 3/16-1/4	F Bolts	Wt.
6	CFP6*V	7 1/4	7 3/8	14 1/4	14 1/2	6 7/8	6 3/4	3/8	1.9
9	CFP9*V	10 1/4	10 1/2	18 1/4	18 1/2	8 7/8	8 3/4	3/8	3.0
12	CFP12*V	13 1/4	13 1/2	22 1/4	22 1/2	9 7/8	9 3/4	1/2	6.4
14	CFP14*V	15 1/4	15 1/2	24 1/4	24 1/2	10 7/8	10 3/4	1/2	7.3
16	CFP16*V	17 1/4	17 1/2	28 1/4	28 1/2	11 3/8	11 1/4	5/8	7.9
18	CFP18*V	19 1/4	19 1/2	31 1/4	31 1/2	12	11 7/8	5/8	10.6
20	CFP20*V	21 1/4	21 1/2	34 1/4	34 1/2	13 3/8	13 1/4	5/8	11.4
24	CFP24*V	25 1/4	25 1/2	40 1/4	40 1/2	16 3/8	16 1/4	5/8	13.0



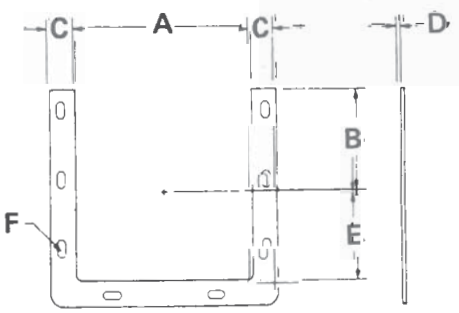
Tubular Housing

Screw Dia.	Part Number	A Trough Thickness Thru 10 Ga	A Trough Thickness 3/16-1/4	B	C	D Bolts	Wt.
4	CFP4*T	5 1/4	5 3/8	1 1/4	3/16	3/8	1
6	CFP6*T	7 1/4	7 3/8	1 1/4	3/16	3/8	1.8
9	CFP9*T	10 1/4	10 1/2	1 3/4	3/16	3/8	3.0
10	CFP10*T	11 1/4	11 1/2	1 3/4	3/16	3/8	3.2
12	CFP12*T	13 1/4	13 1/2	2	1/4	1/2	6.9
14	CFP14*T	15 1/4	15 1/2	2	1/4	1/2	7.8
16	CFP16*T	17 1/4	17 1/2	2	1/4	5/8	8.7
18	CFP18*T	19 1/4	19 1/2	2 1/2	1/4	5/8	12.3
20	CFP20*T	21 1/4	21 1/2	2 1/2	1/4	5/8	13.4
24	CFP24*T	25 1/4	25 1/2	2 1/2	1/4	5/8	15.6

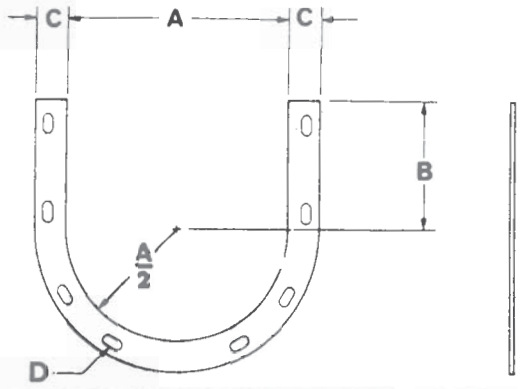


Rectangular Trough

Screw Dia.	Part Number	A Trough Thickness Thru 10 Ga.	A Trough Thickness 3/16-1/4	B	C	D	E Trough Thickness Thru 10 Ga.	E Trough Thickness 3/16-1/4	F Bolts	Wt.
6	CFP6*R	7 1/4	7 3/8	4 1/2	1 1/4	3/16	3 5/8	3 11/16	3/8	1.7
9	CFP9*R	10 1/4	10 1/2	6 1/8	1 3/4	3/16	5 1/8	5 1/4	3/8	2.9
12	CFP12*R	13 1/4	13 1/2	7 3/4	2	1/4	6 5/8	6 3/4	1/2	6.6
14	CFP14*R	15 1/4	15 1/2	9 1/4	2	1/4	7 5/8	7 3/4	1/2	7.6
16	CFP16*R	17 1/4	17 1/2	10 5/8	2	1/4	8 5/8	8 3/4	5/8	
18	CFP18*R	19 1/4	19 1/2	12 1/8	2 1/2	1/4	9 5/8	9 3/4	5/8	
20	CFP20*R	21 1/4	21 1/2	13 1/2	2 1/2	1/4	10 5/8	10 3/4	5/8	13.3
24	CFP24*R	25 1/4	25 1/2	16 1/2	2 1/2	1/4	12 5/8	12 3/4	5/8	15.8

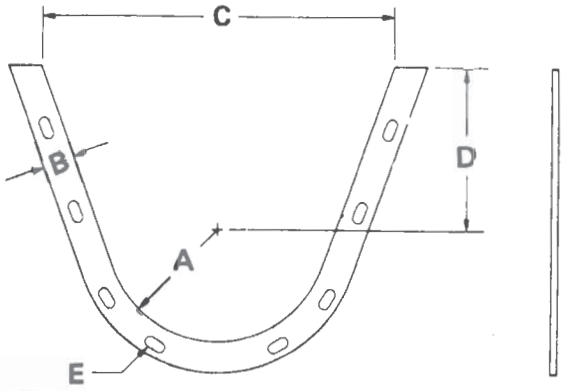


Flange Gaskets



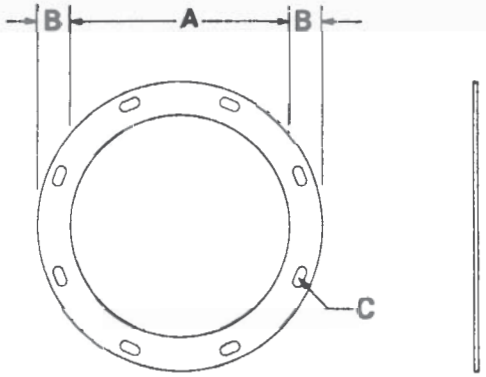
Screw Dia.	Part Number	A	B	C	D Bolts
4	CFG4U-*	5 1/4	3 5/8	1 1/4	3/8
6	CFG6U-*	7 1/4	4 1/2	1 1/4	3/8
9	CFG9U-*	10 1/4	6 1/8	1 3/4	3/8
10	CFG10U-*	11 1/4	6 3/8	1 3/4	3/8
12	CFG12U-*	13 1/4	7 3/4	2	1/2
14	CFG14U-*	15 1/4	9 1/4	2	1/2
16	CFG16U-*	17 1/4	10 5/8	2	5/8
18	CFG18U-*	19 1/4	12 1/8	2 1/2	5/8
20	CFG20U-*	21 1/4	13 1/2	2 1/2	5/8
24	CFG24U-*	25 1/4	16 1/2	2 1/2	5/8

* Specify gasket material and thickness required.

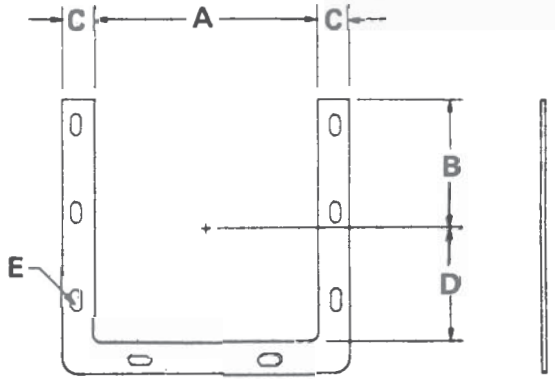


Screw Dia.	Part Number	A	B	C	D	Bolt E
6	CFG6F-*	3 1/2	1 1/4	14 1/4	7	3/8
9	CFG9F-*	5	1 1/2	18 1/4	9	3/8
12	CFG12F-*	6 1/2	2	22 1/4	10	1/2
14	CFG14F-*	7 1/2	2	24 1/4	11	1/2
16	CFG16F-*	8 1/2	2	28 1/4	11 1/2	5/8
18	CFG18F-*	9 1/2	2 1/2	31 1/4	12 1/8	5/8
20	CFG20F-*	10 1/2	2 1/2	34 1/4	13 1/2	5/8
24	CFG24F-*	12 1/2	2 1/2	40 1/4	16 1/2	5/8

* Specify gasket material and thickness required.



Screw Dia.	Part Number	A	B	Bolt C
4	CFG4T-*	5 1/4	1	3/8
6	CFG6T-*	7 1/4	1 1/4	3/8
9	CFG9T-*	10 1/4	1 1/2	3/8
10	CFG10T-*	11 1/4	1 1/2	3/8
12	CFG12T-*	13 1/4	2	1/2
14	CFG14T-*	15 1/4	2	1/2
16	CFG16T-*	17 1/4	2	5/8
18	CFG18T-*	19 1/4	2 1/2	5/8
20	CFG20T-*	21 1/4	2 1/2	5/8
24	CFG24T-*	25 1/4	2 1/2	5/8



Screw Dia.	Part Number	A	B	C	D	Bolt E
6	CFG6R-*	7 1/4	4 1/2	1 1/4	3 5/8	3/8
9	CFG9R-*	10 1/4	6 1/8	1 1/2	5 1/8	3/8
12	CFG12R-*	13 1/4	7 3/4	2	6 5/8	1/2
14	CFG14R-*	15 1/4	9 1/4	2	7 5/8	1/2
16	CFG16R-*	17 1/4	10 5/8	2	8 5/8	5/8
18	CFG18R-*	19 1/4	12 1/8	2 1/2	9 5/8	5/8
20	CFG20R-*	21 1/4	13 1/2	2 1/2	10 5/8	5/8
24	CFG24R-*	25 1/4	16 1/2	2 1/2	12 5/8	5/8

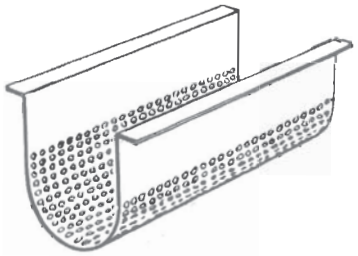
* Specify gasket material and thickness required.

* -R RED RUBBER
-BN BLACK NEOPRENE
-WN WHITE NEOPRENE
-A ASBESTOS
-P POLYURETHANE

Special Troughs and Modifications

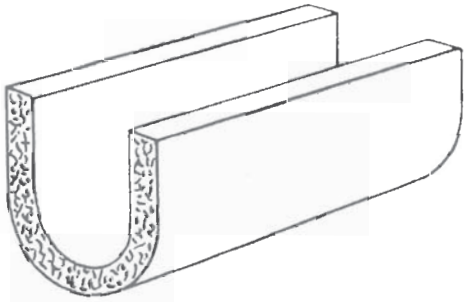
Perforated Bottom Trough

The perforated bottom trough has holes or slots which extend around the bottom and some distance up the sides of the trough. It is used for screening, or draining liquids from materials in transit. The nature of the material conveyed determines the character and extent of the perforations.



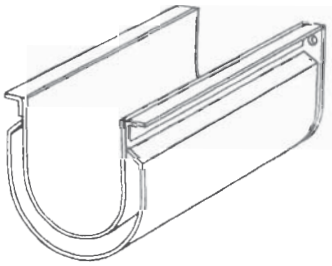
Insulated Trough

Insulated conveyor troughs are used when handling hot or cold materials. There are many types of insulating materials and arrangements for applying them to the trough.



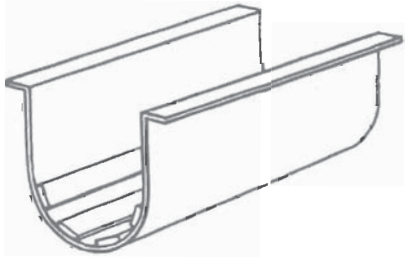
Jacketed Trough

In this type of trough a formed metal jacket is welded continuously to the exterior of the trough, for the use of steam or circulating hot or cold liquids for which pipe connections are provided. This type of trough is widely used for heating, drying or cooling of the materials in transit.



Trough Rider Bars

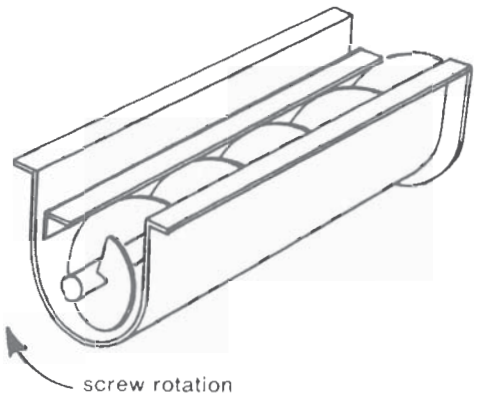
Trough rider bars are flat bars one to one and one-half inches wide applied inside the curved portion of the trough and extending for the full trough length. Two to four bars are normally used, equally spaced. These bars support the conveyor screw when intermediate hanger bearings are not used, thus preventing wear on the trough. Rider bars are sometimes referred to as "rifling bars" when they are used to assist in conveying materials that tend to stick to the conveyor screw and rotate with it.



Special Troughs and Modifications

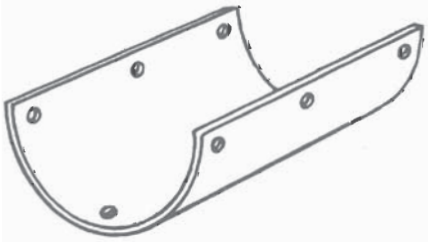
Trough Hold-Down Angles

Trough hold-down angles are used to hold the conveyor screw from rising in the trough when the conveyor is not equipped with intermediate hanger bearings, or when chunks of material may tend to ride under the conveyor screw and force it up from its normal position. The hold down angle, usually a rolled section, is attached to one side of and along the full length of the trough, far enough above the conveyor screw to allow approximately one-half inch clearance between the bottom of the hold-down angle and the adjacent periphery of the screw.



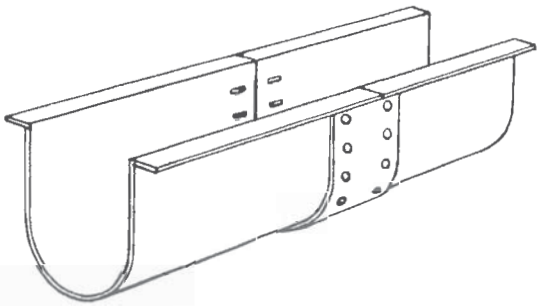
Trough Replaceable Liner

Saddle type wear plates are curved to the contour of the inside of the trough, and are thinner than the clearance between the trough and screw. These plates are made in lengths of approximately one and one-half times the pitch of the conveyor screw and are spaced longitudinally of the trough at intervals equal to trough section lengths. They are used to support the screw and prevent damage to the trough when intermediate hanger bearings are not used.



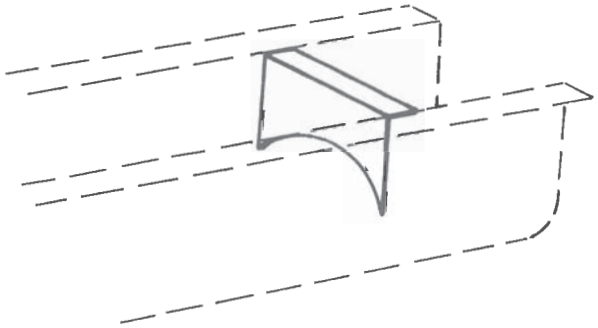
Trough Expansion Joint

A trough expansion joint is an exterior connection within a standard section length of trough, applied to permit expansion caused by conveying hot materials. The expansion joint is made with slots so that countersunk head bolts in the trough will allow the required movement; or telescoping type slip joints may be employed. The number of such joints and the amount of expansion depend upon the particular application.



Strike Off Plate

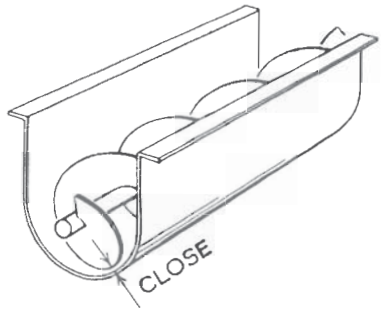
Strike off plate (shroud baffle) is a single metal plate bolted in a vertical position in the upper part of the trough. The lower edge of this plate is cut out to the contour of the screw. Strike off plates are used to regulate the flow of material from an inlet by preventing flooding along the screw in a U shaped trough.



Special Troughs and Modifications

Close Clearance Trough

The close clearance trough is of conventional construction except that a closer clearance is provided between the outside of the conveyor screw and the inside of the trough. This type of trough leaves less material in the trough when the conveyor is emptied and is often used when a greater clean-out of conveyed material is required. This type trough also minimizes the fall-back of certain materials in an inclined conveyor.

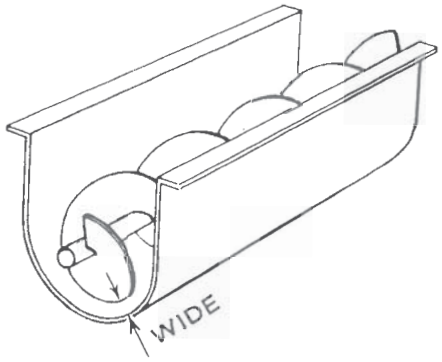


NOTE: 1/4" between screw & trough is considered close clearance

Wide Clearance Trough

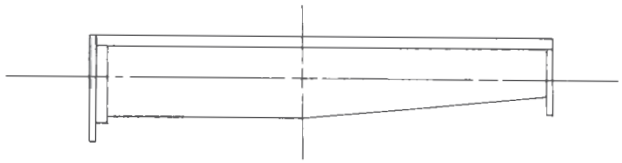
Wide clearance troughs are of conventional construction except with a greater clearance between the outside of the conveyor screw and the inside of the trough. They are used when it is desirable to form in the bottom of the trough a layer of the conveyed material to reduce trough wear.

Also, by using a wide clearance or oversize trough and a standard size conveyor screw, a greater capacity can be obtained with certain materials which tend to travel as a mass. However, it is usually more economical to use the next size standard conveyor screw and trough than to use the wide clearance trough solely for this purpose.



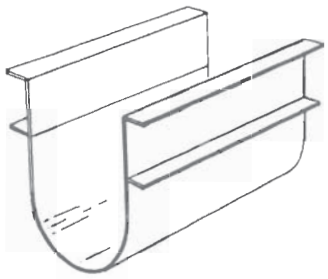
Tapered Bottom Trough

Tapered bottom troughs are used to prevent a dead space in the trough at the small end of a tapered conveyor screw. With some materials the taper is necessary to prevent the material bridging in the trough, above the screw.

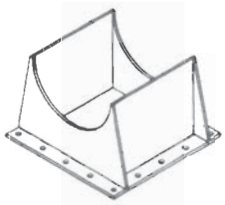
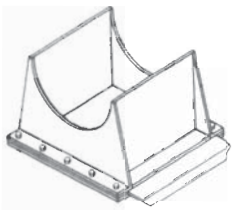
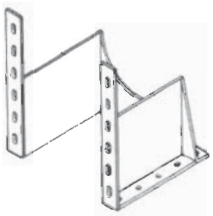


High Side Trough

The high side trough is of conventional construction except that the trough sides are higher than standard, as shown. This type of trough frequently is used in conveying materials that tend to mat together and travel as a mass on top of the conveyor screw. High side troughs will confine such material within the trough, yet provide necessary room above the screw.

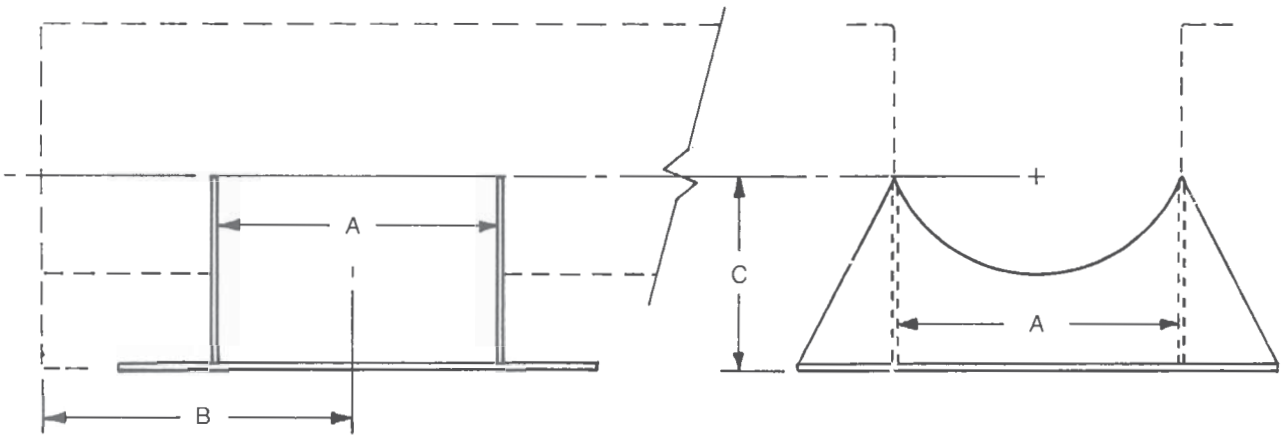


Discharge Spout Index

STANDARD DISCHARGE SPOUT		Discharge spouts are shop welded to the conveyor trough or tubular housing. Gauges are proportioned to the size and material thickness of troughs.	**Page 82**
STANDARD DISCHARGE SPOUT WITH HAND SLIDE		Fixed discharge spouts are available with hand slide gate assemblies. The slide gate assemblies are bolted to the discharge flange and may be assembled for either side or longitudinal opening. Slide gates are fabricated from the same gauge as the discharge spout.	**Page 83**
FLUSH END DISCHARGE SPOUT		This spout is designed for use at the final discharge point. The end of the spout is comprised of a housing end with bottom flange drilled with standard discharge flange bolt pattern. Because it is located at the extreme end of the conveyor, there is no carryover of material past the final discharge point. The flush end arrangement eliminates the unnecessary extension of trough and interior components beyond the actual discharge point.	**Page 84**

Discharge Spouts

Fixed Spout

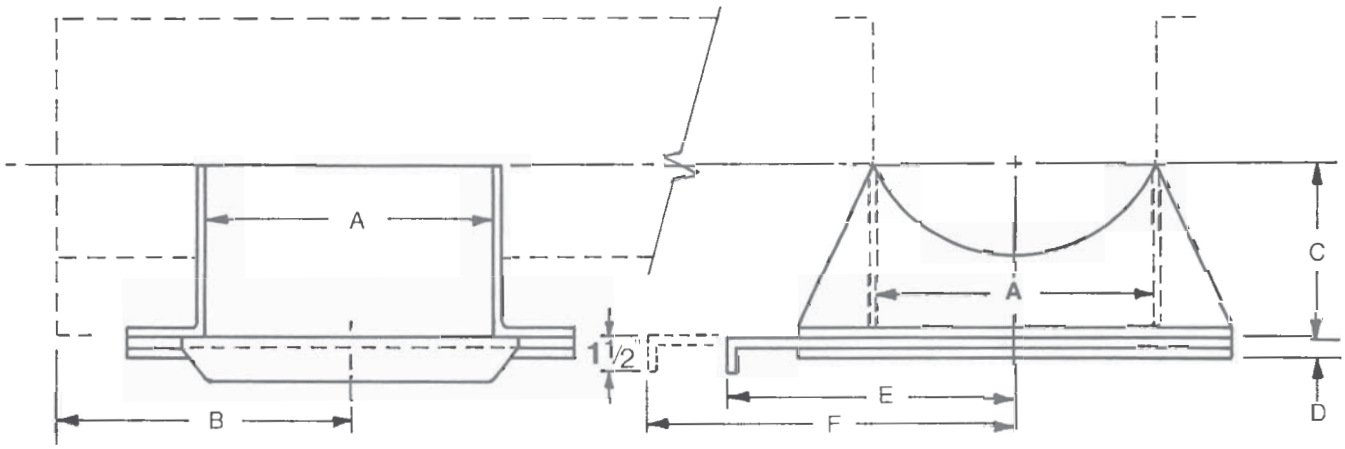


Screw Diam.	Trough Thickness ga.	Spout and Gate Thickness ga.	Part Number	A	Min. B	C	Wt.
	16-14	14	CSD414	5	4 1/2	3 3/4	2
4	12	12	CSD412	5	4 1/2	3 3/4	3
	16-14-12	14	CSD614	7	6	5	4
6	3/16	12	CSD612	7	6	5	6
	16-14-12-10	14	CSD914	10	8	7 1/8	8
9	3/16-1/4	10	CSD910	10	8	7 1/8	13
	16-14-12-10	14	CSD1014	11	9	7 7/8	10
10	3/16-1/4	10	CSD1010	11	9	7 7/8	16
	12-10	12	CSD1212	13	10 1/2	8 7/8	17
12	3/16-1/4	3/16	CSD12316	13	10 1/2	8 7/8	29
	12-10	12	CSD1412	15	11 1/2	10 1/8	22
14	3/16-1/4	3/16	CSD14316	15	11 1/2	10 1/8	38
	12-10	12	CSD1612	17	13 1/2	11 1/8	21
16	3/16-1/4	3/16	CSD16316	17	13 1/2	11 1/8	40
	12-10	12	CSD1812	19	14 1/2	12 3/8	32
18	3/16-1/4	3/16	CSD18316	19	14 1/2	12 3/8	60
	10	12	CSD2012	21	15 1/2	13 3/8	40
20	3/16-1/4	3/16	CSD20316	21	15 1/2	13 3/8	67
	10	12	CSD2412	25	17 1/2	15 3/8	52
24	3/16-1/4	3/16	CSD24316	25	17 1/2	15 3/8	87

*See Page 111 For Bolt Pattern

Discharge Spouts

Fixed Spout with Slide

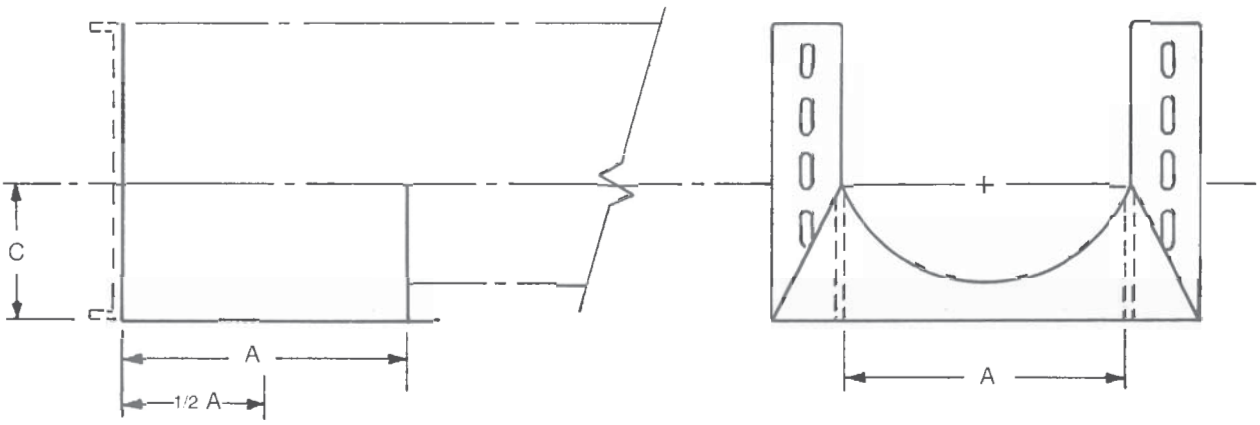


Screw Diam.	Trough Thickness ga.	Spout and Gate Thickness ga.	Part Number	A	B	C	D	E	F	Wt.
	16-14	16	CSD416-S	5	4 1/2	3 3/4	5/16	5 5/8	11	6
4	12	12	CSD412-S	5	4 1/2	3 3/4	5/16	5 5/8	11	7
	16-14-12	16	CSD616-S	7	6	5	5/16	6 5/8	14	11
6	3/16	12	CSD612-S	7	6	5	5/16	6 5/8	14	13
	16-14-12-10	14	CSD914-S	10	8	7 1/8	5/16	8	19	18
9	3/16-1/4	10	CSD910-S	10	8	7 1/8	5/16	8	19	22
	16-14-12-10	14	CSD1014-S	11	9	7 7/8	5/16	8 3/8	20	21
10	3/16-1/4	10	CSD1010-S	11	9	7 7/8	5/16	8 3/8	20	27
	12-10	12	CSD1212-S	13	10 1/2	8 7/8	5/16	10 1/8	24	36
12	3/16-1/4	3/16	CSD12316-S	13	10 1/2	8 7/8	5/16	10 1/8	24	48
	12-10	12	CSD1412-S	15	11 1/2	10 1/8	5/16	11 1/4	27	46
14	3/16-1/4	3/16	CSD14316-S	15	11 1/2	10 1/8	5/16	11 1/4	27	62
	12-10	12	CSD1612-S	17	13 1/2	11 1/8	5/16	12 3/8	30	49
16	3/16-1/4	3/16	CSD16316-S	17	13 1/2	11 1/8	5/16	12 3/8	30	68
	12-10	12	CSD1812-S	19	14 1/2	12 3/8	5/16	13 3/8	33	69
18	3/16-1/4	3/16	CSD18316-S	19	14 1/2	12 3/8	5/16	13 3/8	33	97
	10	12	CSD2012-S	21	15 1/2	13 3/8	3/8	14 3/8	36	91
20	3/16-1/4	3/16	CSD20316-S	21	15 1/2	13 3/8	3/8	14 3/8	36	118
	10	12	CSD2412-S	25	17 1/2	15 3/8	3/8	16 3/8	42	116
24	3/16-1/4	3/16	CSD24316-S	25	17 1/2	15 3/8	3/8	16 3/8	42	151

*See Page 111 For Bolt Pattern

Discharge Spouts

Flush End Spout



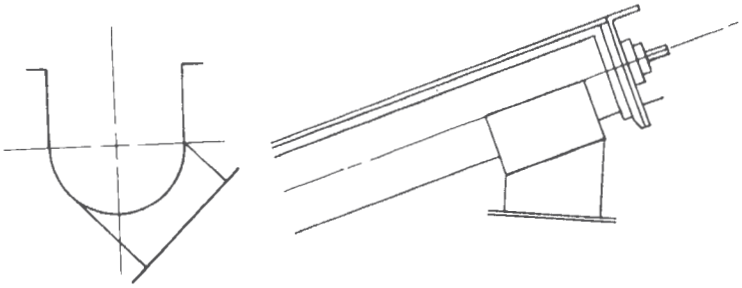
Screw Diam.	Trough Thickness ga.	Spout and Gate Thickness ga.	Part Number	A	C	Wt.
	16-14	16	CSD416-F	5	3 3/4	1.5
4	12	12	CSD412-F	5	3 3/4	2.25
	16-14-12	16	CSD616-F	7	5	3.0
6	3/16	12	CSD612-F	7	5	4.5
	16-14-12-10	14	CSD914-F	10	7 1/8	6.0
9	3/16-1/4	10	CSD910-F	10	7 1/8	9.75
	16-14-12-10	14	CSD1014-F	11	7 7/8	7.5
10	3/16-1/4	10	CSD1010-F	11	7 7/8	12.0
	12-10	12	CSD1212-F	13	8 7/8	12.75
12	3/16-1/4	3/16	CSD12316-F	13	8 7/8	21.75
	12-10	12	CSD1412-F	15	10 1/8	16.50
14	3/16-1/4	3/16	CSD14316-F	15	10 1/8	28.50
	12-10	12	CSD1612-F	17	11 1/8	15.75
16	3/16-1/4	3/16	CSD16316-F	17	11 1/8	30.0
	12-10	12	CSD1812-F	19	12 3/8	24.0
18	3/16-1/4	3/16	CSD18316-F	19	12 3/8	45.0
	10	12	CSD2012-F	21	13 3/8	30.0
20	3/16-1/4	3/16	CSD20316-F	21	13 3/8	50.25
	10	12	CSD2412-F	25	15 3/8	39.0
24	3/16-1/4	3/16	CSD24316-F	25	15 3/8	65.25

*See Page 111 For Bolt Pattern

Discharge Spouts — Special

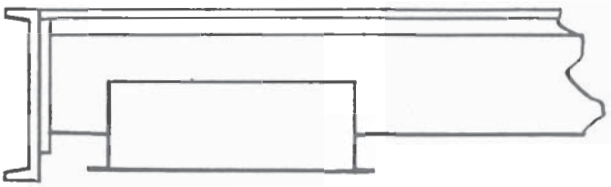
Angular Discharge

Angular discharges can be supplied for certain applications. This type of discharge is normally used on inclined conveyors when it is required that the discharge spout bolting flange be horizontal.



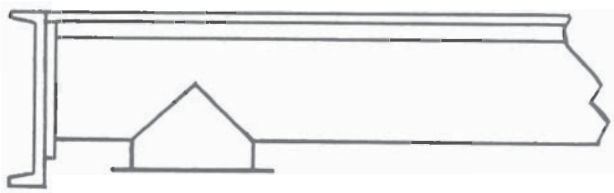
Extra Long Discharge Spout

Longer and sometime wider than standard discharge spouts may be required when materials will not completely discharge through a regular standard spout. Other engineering considerations not covered here may also dictate special discharge openings.

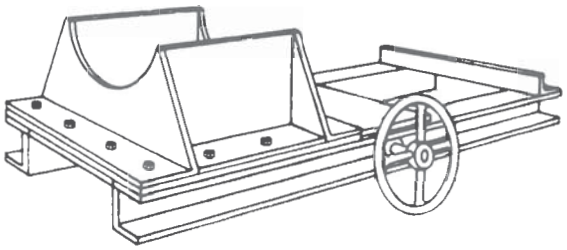


Round Discharge Spouts

Round discharge spouts are used where tubular chutes or other circular connections are required such as when the discharge of one screw conveyor to a succeeding screw conveyor is not at a right angle.



Rack and Pinion Discharge Gates

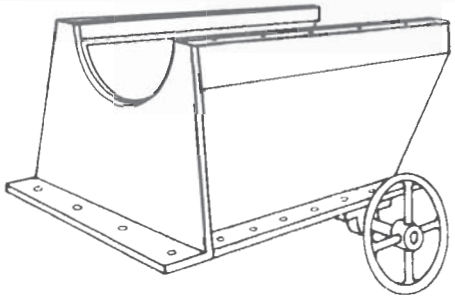


rack and pinion flat slide

— flat slide —

Flat slide gates may be fitted to either fixed or detachable discharge spouts. They may be assembled for either side or longitudinal openings. Hand wheels or chain wheels can be furnished.

Page 86



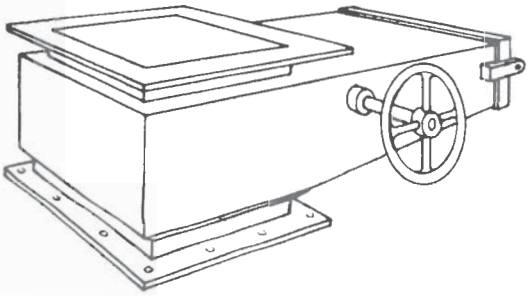
rack and pinion curved slide

— curved slide —

Curved slide gates eliminate the pocket formed by flat slide type discharges. Hand wheels or chain wheels can be furnished.

These slide gates open parallel to the conveyor axis.

Page 87

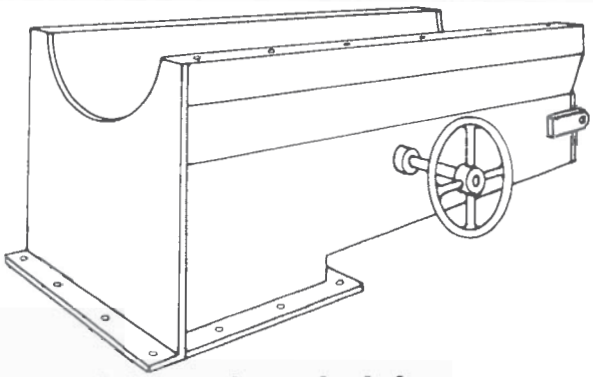


dust tight rack and pinion flat slide

Dust Tight — flat slide —

Dust tight flat slide gates are completely enclosed to prevent contamination.
These gates may be mounted to open either longitudinally or transversely to the convey-or discharge, and may be attched to either fixed or detachable discharge spouts. Hand wheel or chain wheel can be furnished.

Page 88



dust tight rack and pinion curved slide

Dust Tight — curved slide —

Dust tight curved slide gates are completely enclosed and are mounted for operation parallel to the conveyor axis. Hand wheel or chain wheel can be furnished.

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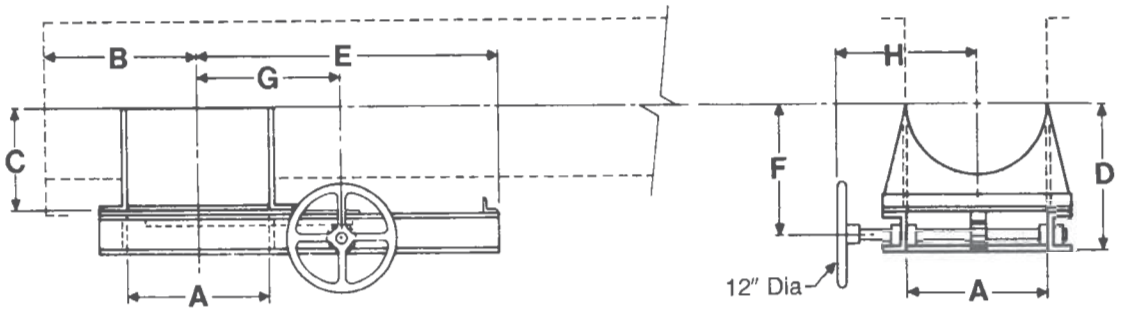
Discharge Gates

rack and pinion flat slide



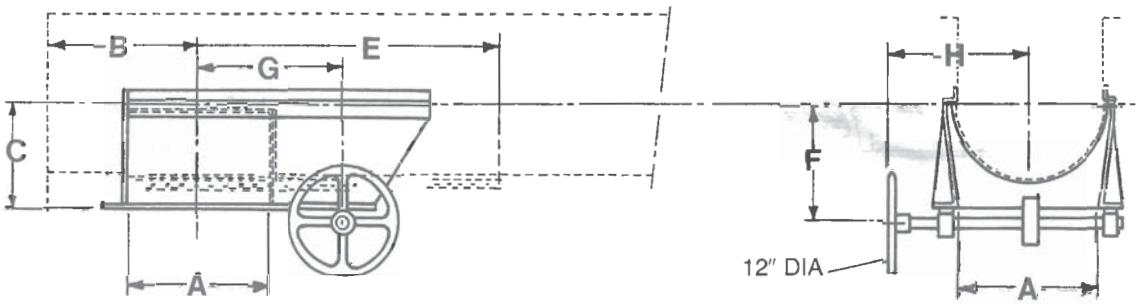
Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	D	E	F	G	H	Wt.
4	16-14	CRP 416-F*	5	4 1/2	3 3/4	7	16 1/4	6 3/8	7 1/2	6 3/4	18
	12	CRP 412-F*	5	4 1/2	3 3/4	7	16 1/4	6 3/8	7 1/2	6 3/4	21
6	16-14-12	CRP 616-F*	7	6	5	8 1/4	19 1/4	7 5/8	8 1/2	8	28
	3/16	CRP 612-F*	7	6	5	8 1/4	19 1/4	7 5/8	8 1/2	8	31
9	16-14-12-10	CRP 914-F*	10	8	7 1/8	10 3/8	23 3/4	9 3/4	10	9 1/2	49
	3/16 - 1/4	CRP 910-F*	10	8	7 1/8	10 3/8	23 3/4	9 3/4	10	9 1/2	54
10	16-14-12-10	CRP 1014-F*	11	9	7 7/8	11 1/8	25 1/4	10 1/2	10 1/2	10 1/8	56
	3/16 - 1/4	CRP 1010-F*	11	9	7 7/8	11 1/8	25 1/4	10 1/2	10 1/2	10 1/8	62
12	12-10	CRP 1212-F*	13	10 1/2	8 7/8	12 1/8	28 1/4	11 1/2	11 1/2	11 5/8	94
	3/16- 1/4	CRP 12316-F*	13	10 1/2	8 7/8	12 1/8	28 1/4	11 1/2	11 1/2	11 5/8	106
14	12-10	CRP 1412-F*	15	11 1/2	10 1/8	13 3/8	31 1/4	12 3/4	12 1/2	12 5/8	107
	3/16 - 1/4	CRP 14316-F*	15	11 1/2	10 1/8	13 3/8	31 1/4	12 3/4	12 1/2	12 5/8	123
16	12-10	CRP 1612-F*	17	13 1/2	11 1/8	14 3/8	34 1/4	13 3/4	13 1/2	13 5/8	112
	3/16 - 1/4	CRP 16316-F*	17	13 1/2	11 1/8	14 3/8	34 1/4	13 3/4	13 1/2	13 5/8	131
18	12-10	CRP 1812-F*	19	14 1/2	12 3/8	15 5/8	37 1/4	15	14 1/2	15 1/8	157
	3/16 - 1/4	CRP 18316-F*	19	14 1/2	12 3/8	15 5/8	37 1/4	15	14 1/2	15 1/8	185
20	10	CRP 2012-F*	21	15 1/2	13 3/8	16 5/8	40 1/4	16	15 1/2	16 1/8	185
	3/16 - 1/4	CRP 20316-F*	21	15 1/2	13 3/8	16 11/16	40 1/4	16	15 1/2	16 1/8	212
24	10	CRP 2412-F*	25	17 1/2	15 3/8	18 5/8	46 1/4	18	17 1/2	18 1/8	233
	3/16 - 1/4	CRP 24316-F*	25	17 1/2	15 3/8	18 11/16	46 1/4	18	17 1/2	18 1/8	268

For Bolt Pattern See Page 111
All Rack & Pinion Gates 18" and Larger to Have Double Rack & Pinion.

Handwheel supplied as standard assembly
—C Chain Wheel
—R Rope wheel

Discharge Gates

rack and pinion curved slide



Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	E	F	G	H	Wt.
4	16-14	CRP 416-C*	5	4 1/2	3 3/4	14 3/4	5 1/4	7 1/2	6 3/4	20
	12	CRP 412-C*	5	4 1/2	3 3/4	14 3/4	5 1/4	7 1/2	6 3/4	22
6	16-14-12	CRP 616-C*	7	6	5	17 3/4	6 1/4	8 1/2	8	25
	3/16	CRP 612-C*	7	6	5	17 3/4	6 1/4	8 1/2	8	28
9	16-14-12-10	CRP 914-C*	10	8	7 1/8	22 1/4	7 3/4	10	9 1/2	46
	3/16 - 1/4	CRP 910-C*	10	8	7 1/8	22 1/4	7 3/4	10	9 1/2	54
10	16-14-12-10	CRP 1014-C*	11	9	7 7/8	23 3/4	8 1/4	10 1/2	10 1/8	53
	3/16 - 1/4	CRP 1010-C*	11	9	7 7/8	23 3/4	8 1/4	10 1/2	10 1/8	62
12	12-10	CRP 1212-C*	13	10 1/2	8 7/8	26 3/4	9 5/16	11 1/2	11 5/8	81
	3/16- 1/4	CRP 12316-C*	13	10 1/2	8 7/8	26 3/4	9 5/16	11 1/2	11 5/8	97
14	12-10	CRP 1412-C*	15	11 1/2	10 1/8	29 3/4	10 5/16	12 1/2	12 5/8	95
	3/16 - 1/4	CRP 14316-C*	15	11 1/2	10 1/8	29 3/4	10 5/16	12 1/2	12 5/8	114
16	12-10	CRP 1612-C*	17	13 1/2	11 1/8	32 3/4	11 5/16	13 1/2	13 5/8	103
	3/16 - 1/4	CRP 16316-C*	17	13 1/2	11 1/8	32 3/4	11 5/16	13 1/2	13 5/8	116
18	12-10	CRP 1812-C*	19	14 1/2	12 3/8	35 3/4	12 5/16	14 1/2	15 5/8	157
	3/16 - 1/4	CRP 18316-C*	19	14 1/2	12 3/8	35 3/4	12 5/16	14 1/2	15 5/8	187
20	10	CRP 2012-C*	21	15 1/2	13 3/8	38 3/4	13 5/16	15 1/2	16 1/8	175
	3/16 - 1/4	CRP 20316-C*	21	15 1/2	13 3/8	38 3/4	13 5/16	15 1/2	16 1/8	208
24	10	CRP 2412-C*	25	17 1/2	15 3/8	44 3/4	15 5/16	17 1/2	18 1/8	220
	3/16 - 1/4	CRP 24316-C*	25	17 1/2	15 3/8	44 3/4	15 5/16	17 1/2	18 1/8	255

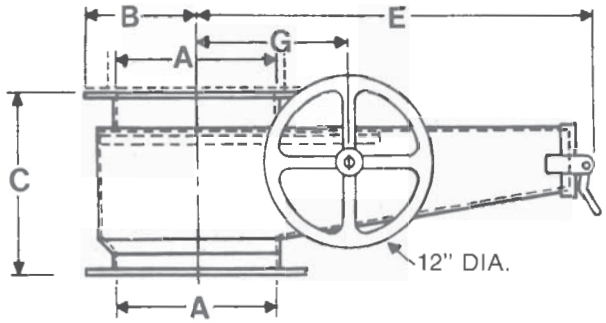
For Bolt Pattern See Page 111

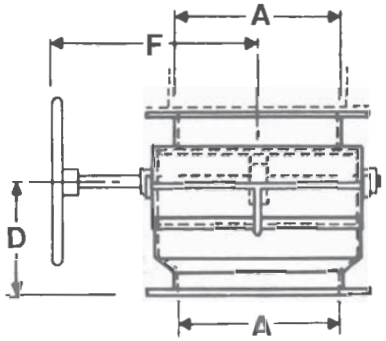
All Rack & Pinion Gates 18" and Larger to Have Double Rack & Pinion.

*Handwheel supplied as standard assembly
—C Chain wheel
—R Rope wheel

Discharge Gates

dust tight rack and pinion flat slide





Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	D	E	F	G	Wt.
4	16-14	CRP 416-FD*	5	4 1/2	7 1/2	3 5/8	16 1/4	6 3/4	7 1/2	27
	12	CRP 412-FD*	5	4 1/2	7 1/2	3 5/8	16 1/4	6 3/4	7 1/2	32
6	16-14-12	CRP 616-FD*	7	6	9	4 7/8	19 1/4	8	8 1/2	42
	3/16	CRP 612-FD*	7	6	9	4 7/8	19 1/4	8	8 1/2	47
9	16-14-12-10	CRP 914-FD*	10	8	10	5 5/8	23 3/4	9 1/2	10	74
	3/16 - 1/4	CRP 910-FD*	10	8	10	5 5/8	23 3/4	9 1/2	10	81
10	16-14-12-10	CRP 1014-FD*	11	9	10 1/2	6 1/8	25 1/4	10 1/8	10 1/2	84
	3/16 - 1/4	CRP 1010-FD*	11	9	10 1/2	6 1/8	25 1/4	10 1/8	10 1/2	93
12	12-10	CRP 1212-FD*	13	10 1/2	10 1/2	5 5/8	28 1/4	11 5/8	11 1/2	141
	3/16- 1/4	CRP 12316-FD*	13	10 1/2	10 1/2	5 5/8	28 1/4	11 5/8	11 1/2	158
14	12-10	CRP 1412-FD*	15	11 1/2	10 1/2	5 5/8	31 1/4	12 5/8	12 1/2	160
	3/16 - 1/4	CRP 14316-FD*	15	11 1/2	10 1/2	5 5/8	31 1/4	12 5/8	12 1/2	185
16	12-10	CRP 1612-FD	17	13 1/2	10 1/2	5 5/8	34 1/4	13 5/8	13 1/2	168
	3/16 - 1/4	CRP 16316-FD*	17	13 1/2	10 1/2	5 5/8	34 1/4	13 5/8	13 1/2	197
18	12-10	CRP 1812-FD*	19	14 1/2	11 1/2	6 1/8	37 1/4	15 1/8	14 1/2	240
	3/16 - 1/4	CRP 18316-FD*	19	14 1/2	11 1/2	6 1/8	37 1/4	15 1/8	14 1/2	277
20	10	CRP 2012-FD*	21	15 1/2	12	6 5/8	40 1/4	16 1/8	15 1/2	278
	3/16 - 1/4	CRP 20316-FD*	21	15 1/2	12	6 5/8	40 1/4	16 1/8	15 1/2	318
24	10	CRP 2412-FD*	25	17 1/2	13	7 5/8	46 1/4	18 1/8	17 1/2	350
	3/16 - 1/4	CRP 24316-FD*	25	17 1/2	13	7 5/8	46 1/4	18 1/8	17 1/2	402

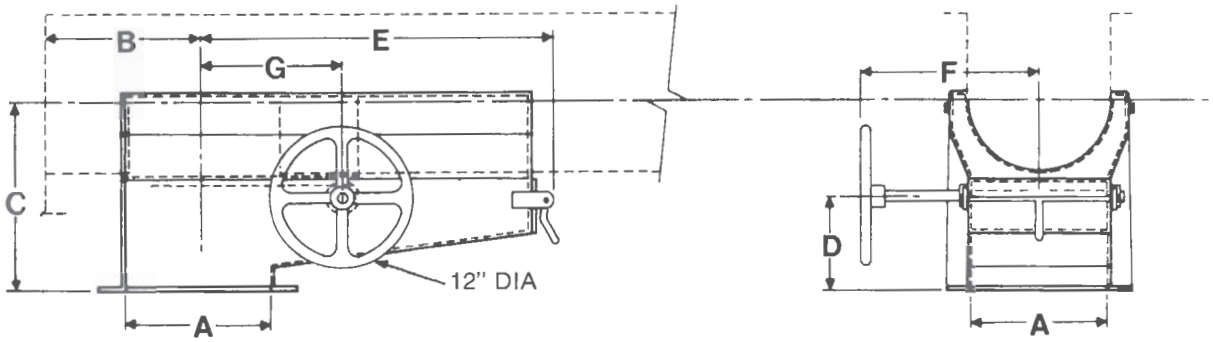
For Bolt Pattern See Page 111

All Rack & Pinion Gates 18" and Larger to Have Double Rack & Pinion.

*Handwheel supplied as standard assembly
—C Chain wheel
—R Rope wheel

Discharge Gates

dust tight rack and pinion curved slide



Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	D	E	F	G	Wt.
4	16-14	CRP 416-CD*	5	4 1/2	7 1/2	5 1/4	13 5/8	7	4 1/2	30
	12	CRP 412-CD*	5	4 1/2	7 1/2	5 1/4	13 5/8	7	4 1/2	35
6	16-14-12	CRP 616-CD*	7	6	10	6 1/4	16 5/8	8	5 1/2	46
	3/16	CRP 612-CD*	7	6	10	6 1/4	16 5/8	8	5 1/2	52
9	16-14-12-10	CRP 914-CD*	10	8	12 1/2	7 3/4	21 5/8	11	7	81
	3/16 - 1/4	CRP 910-CD*	10	8	12 1/2	7 3/4	21 5/8	11	7	89
10	16-14-12-10	CRP 1014-CD*	11	9	13	8 1/4	22 5/8	11 1/2	7 1/2	92
	3/16 - 1/4	CRP 1010-CD*	11	9	13	8 1/4	22 5/8	11 1/2	7 1/2	102
12	12-10	CRP 1212-CD*	13	10 1/2	15	9 5/16	25 5/8	13	8 1/2	155
	3/16- 1/4	CRP 12316-CD*	13	10 1/2	15	9 5/16	25 5/8	13	8 1/2	174
14	12-10	CRP 1412-CD*	15	11 1/2	15 1/2	10 5/16	28 5/8	14	9 1/2	176
	3/16 - 1/4	CRP 14316-CD*	15	11 1/2	15 1/2	10 5/16	28 5/8	14	9 1/2	204
16	12-10	CRP 1612-CD*	17	13 1/2	16 1/2	11 5/16	29 5/8	15	10 1/2	185
	3/16 - 1/4	CRP 16316-CD*	17	13 1/2	16 1/2	11 5/16	29 5/8	15	10 1/2	217
18	12-10	CRP 1812-CD*	19	14 1/2	18 1/2	12 5/16	32 5/8	16 3/8	11 1/2	264
	3/16 - 1/4	CRP 18316-CD*	19	14 1/2	18 1/2	12 5/16	32 5/8	16 3/8	11 1/2	305
20	10	CRP 2012-CD*	21	15 1/2	20	13 5/16	35 5/8	17	12 1/2	306
	3/16 - 1/4	CRP 20316-CD*	21	15 1/2	20	13 5/16	35 5/8	17	12 1/2	350
24	10	CRP 2412-CD*	25	17 1/2	23	15 5/16	41 5/8	18 7/8	14 1/2	385
	3/16 - 1/4	CRP 24316-CD*	25	17 1/2	23	15 5/16	41 5/8	18 7/8	14 1/2	442

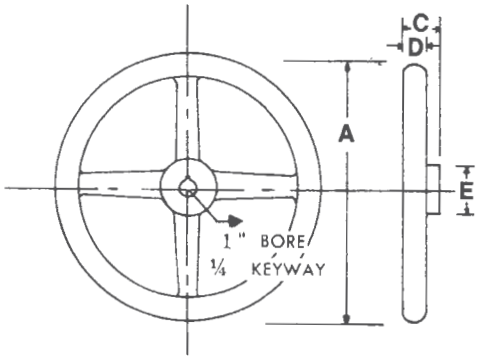
For Bolt Pattern See Page 111
All Rack & Pinion Gates 18" and Larger to Have Double Rack & Pinion

*Handwheel supplied as standard assembly
—C Chain wheel
—R Rope wheel

Discharge Gate Accessories

Hand Wheel

The hand wheel is regularly furnished to rotate the pinion shaft when the slide gate is readily accessible.

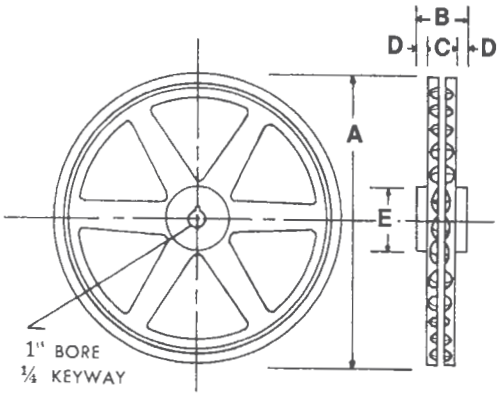


DIMENSIONS IN INCHES AND WEIGHT IN POUNDS

Wheel Diameter	Part No.	Weight	C	D	E
12	CRP12-FHW	11	1 1/2	5/8	2

Pocket Wheel

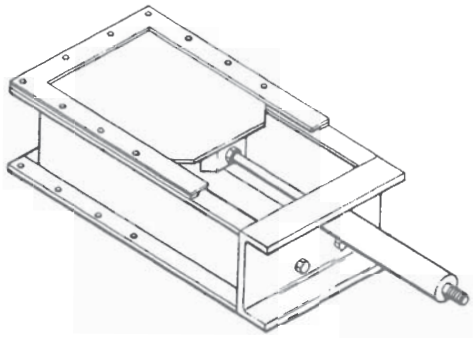
Pocket chain wheels are used to rotate pinion shaft where remote operation is desired. It is designed to be used with number 3/16 pocket chain.



DIMENSIONS IN INCHES AND AVERAGE WEIGHT IN POUNDS

	Part No.	Weight	A	B	C	D	E
Chain Wheel	CRP12-CW	11	12 3/4	2	1 3/8	5/16	2
Chain	CRP316-C	.5					

Pneumatic Discharge Gates



pneumatic flat slide

— flat slide —

Flat slide gates may be fitted to either fixed or detachable discharge spouts. They may be assembled for either side or longitudinal openings.

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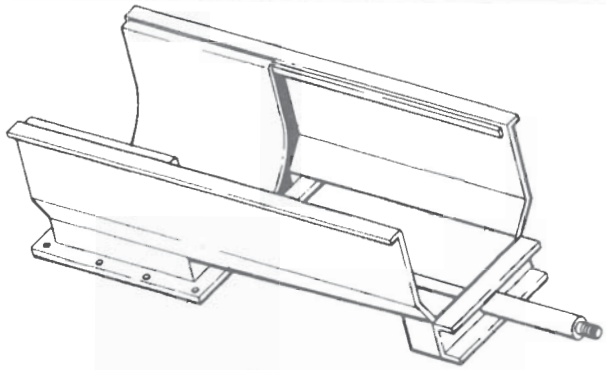

pneumatic curved slide

— curved slide —

Curved slide gates eliminate the pocket formed by flat slide type discharges.

These slide gates open parallel to the conveyor axis.

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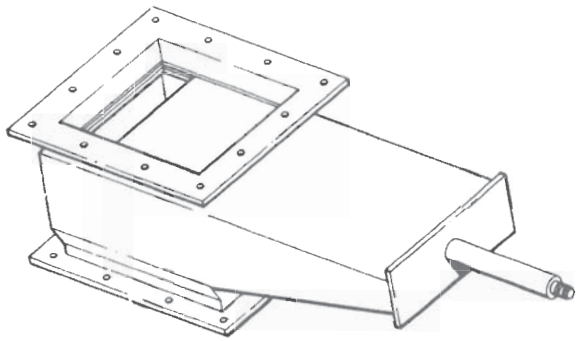

dust tight pneumatic flat slide

Dust Tight — flat slide —

Dust tight flat slide gates are completely enclosed to prevent contamination.

These gates may be mounted to open either longitudinally or transversely to the conveyor discharge, and may be attached to either fixed or detachable discharge spouts.

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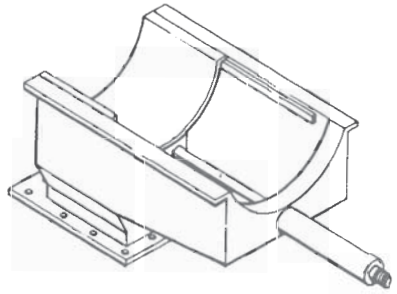

dust tight pneumatic curved slide

Dust Tight — curved slide —

Dust tight curved slide gates are completely enclosed and are mounted for operation parallel to the conveyor axis.

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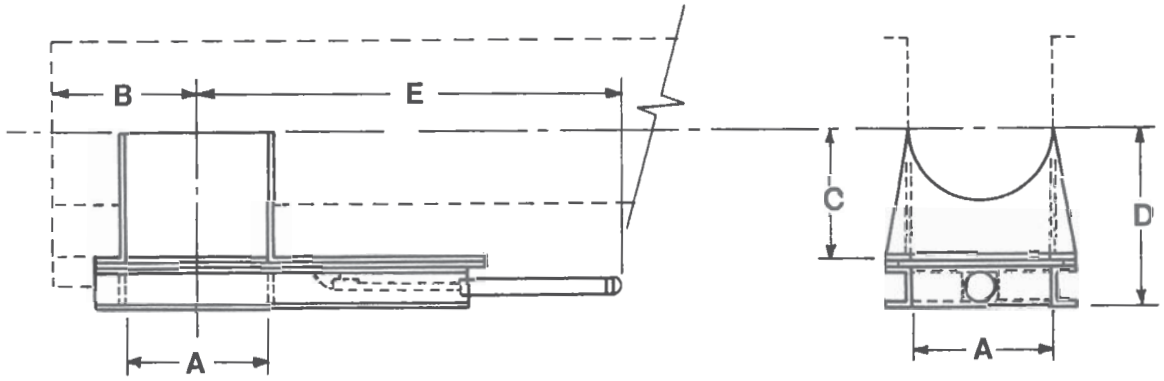
Discharge Gates

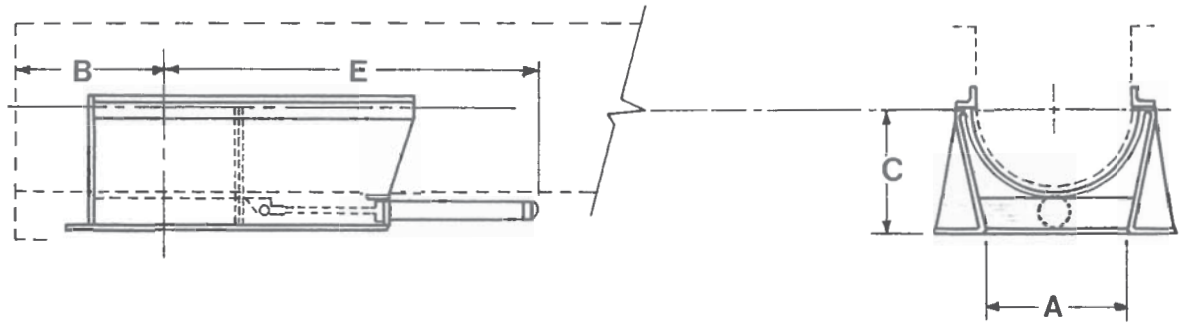
pneumatic flat slide



Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	D	E	Cylinder Size	Cylinder Stroke	Wt.
4	16-14	CDP 416-F	5	4 1/2	3 3/4	7	21 1/16	1 1/8	6	24
	12	CDP 412-F	5	4 1/2	3 3/4	7	21 1/16	1 1/8	6	37
6	16-14-12	CDP 616-F	7	6	5	8 1/4	26 1/16	1 1/8	8	45
	3/16	CDP 612-F	7	6	5	8 1/4	26 1/16	1 1/8	8	48
9	16-14-12-10	CDP 914-F	10	8	7 1/8	10 3/8	35 7/8	1 1/2	12	67
	3/16 - 1/4	CDP 910-F	10	8	7 1/8	10 3/8	35 7/8	1 1/2	12	72
10	16-14-12-10	CDP 1014-F	11	9	7 7/8	11 1/8	37 1/2	1 1/2	12	75
	3/16 - 1/4	CDP 1010-F	11	9	7 7/8	11 1/8	37 1/2	1 1/2	12	81
12	12-10	CDP 1212-F	13	10 1/2	8 7/8	12 1/8	42 1/2	2	14	114
	3/16- 1/4	CDP 12316-F	13	10 1/2	8 7/8	12 1/8	42 1/2	2	14	126
14	12-10	CDP 1412-F	15	11 1/2	10 1/8	13 3/8	47 1/2	2	16	132
	3/16 - 1/4	CDP 14316-F	15	11 1/2	10 1/8	13 3/8	47 1/2	2	16	148
16	12-10	CDP 1612-F	17	13 1/2	11 1/8	14 3/8	52 1/2	2	18	142
	3/16 - 1/4	CDP 16316-F	17	13 1/2	11 1/8	14 3/8	52 1/2	2	18	161
18	12-10	CDP 1812-F	19	14 1/2	12 3/8	15 5/8	57 1/2	2	20	192
	3/16 - 1/4	CDP 18316-F	19	14 1/2	12 3/8	15 5/8	57 1/2	2	20	220
20	10	CDP 2012-F	21	15 1/2	13 3/8	16 11/16	62 1/2	2	22	225
	3/16 - 1/4	CDP 20316-F	21	15 1/2	13 3/8	16 11/16	62 1/2	2	22	252
24	10	CDP 2412-F	25	17 1/2	15 3/8	18 11/16	72 1/4	2	26	278
	3/16 - 1/4	CDP 24316-F	25	17 1/2	15 3/8	18 11/16	72 1/4	2	26	313

For Bolt Pattern See Page 111

pneumatic curved slide

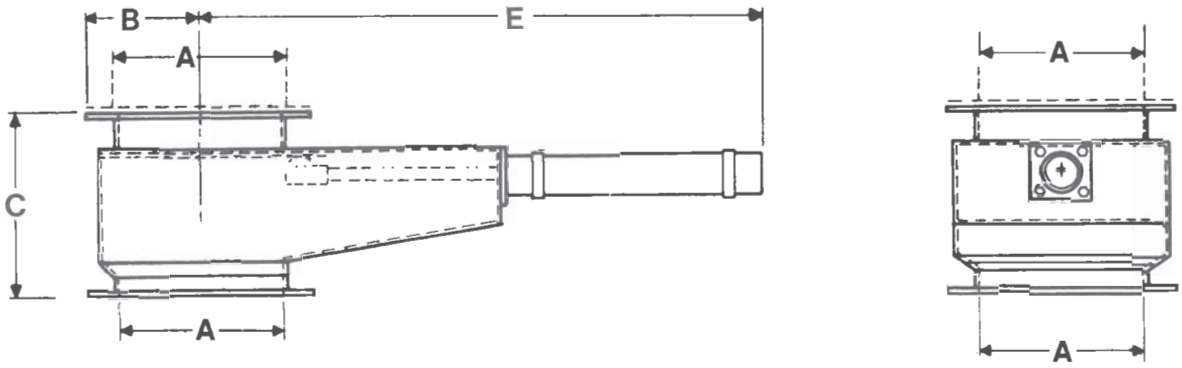


Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	E	Cylinder Size	Cylinder Stroke	Wt.
4	16-14	CDP 416-C	5	4 1/2	3 3/4	20 13/16	1 1/8	6	26
	12	CDP 412-C	5	4 1/2	3 3/4	20 13/16	1 1/8	6	38
6	16-14-12	CDP 616-C	7	6	5	25 13/16	1 1/8	8	48
	3/16	CDP 612-C	7	6	5	25 13/16	1 1/8	8	44
9	16-14-12-10	CDP 914-C	10	8	7 1/8	35 1/4	1 1/2	12	64
	3/16 - 1/4	CDP 910-C	10	8	7 1/8	35 1/4	1 1/2	12	72
10	16-14-12-10	CDP 1014-C	11	9	7 7/8	36 3/4	1 1/2	12	72
	3/16 - 1/2	CDP 1010-C	11	9	7 7/8	36 3/4	1 1/2	12	81
12	12-10	CDP 1212-C	13	10 1/2	8 7/8	39 3/4	2	14	111
	3/16- 1/4	CDP 12316-C	13	10 1/2	8 7/8	39 3/4	2	14	117
14	12-10	CDP 1412-C	15	11 1/2	10 1/8	46 3/4	2	16	120
	3/16 - 1/4	CDP 14316-C	15	11 1/2	10 1/8	46 3/4	2	16	139
16	12-10	CDP 1612-C	17	13 1/2	11 1/8	51 3/4	2	18	133
	3/16 - 1/4	CDP 16316-C	17	13 1/2	11 1/8	51 3/4	2	18	146
18	12-10	CDP 1812-C	19	14 1/2	12 3/8	56 3/4	2	20	192
	3/16 - 1/4	CDP 18316-C	19	14 1/2	12 3/8	56 3/4	2	20	222
20	10	CDP 2012-C	21	15 1/2	13 3/8	61 3/4	2	22	215
	3/16 - 1/4	CDP 20316-C	21	15 1/2	13 3/8	61 3/4	2	22	248
24	10	CDP 2412-C	25	17 1/2	15 3/8	71 3/4	2	26	265
	3/16 - 1/4	CDP 24316-C	25	17 1/2	15 3/8	71 3/4	2	26	310

For Bolt Pattern See Page 111

Discharge Gates

dust tight pneumatic flat slide

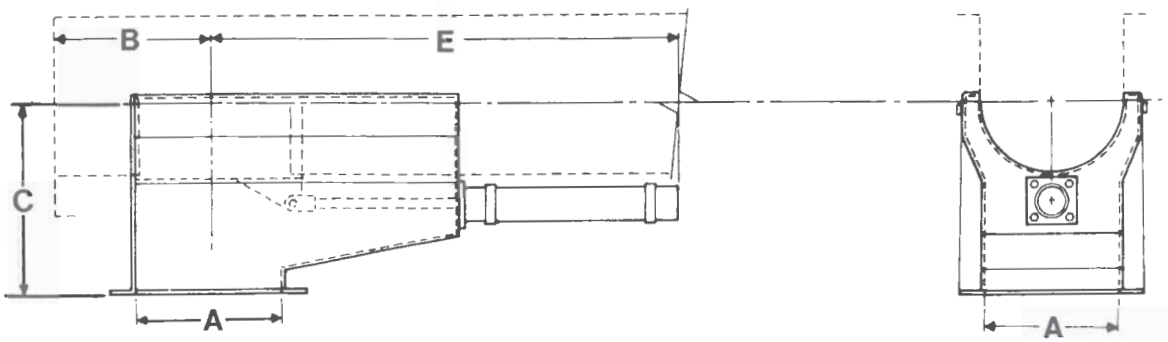


Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	E	Cylinder Size	Cylinder Stroke	Wt.
4	16-14	CDP 416-FD	5	4 1/2	7 1/2	20 9/16	1 1/8	6	34
	12	CDP 412-FD	5	4 1/2	7 1/2	20 9/16	1 1/8	6	52
6	16-14-12	CDP 616-FD	7	6	9	25 9/16	1 1/8	8	63
	3/16	CDP 612-FD	7	6	9	25 9/16	1 1/8	8	67
9	16-14-12-10	CDP 914-FD	10	8	10	34 7/8	1 1/2	12	94
	3/16 - 1/4	CDP 910-FD	10	8	10	34 7/8	1 1/2	12	101
10	16-14-12-10	CDP 1014-FD	11	9	10 1/2	36 3/8	1 1/2	12	105
	3/16 - 1/4	CDP 1010-FD	11	9	10 1/2	36 3/8	1 1/2	12	113
12	12-10	CDP 1212-FD	13	10 1/2	10 1/2	41 3/8	2	14	160
	3/16- 1/4	CDP 12316-FD	13	10 1/2	10 1/2	41 3/8	2	14	176
14	12-10	CDP 1412-FD	15	11 1/2	10 1/2	46 3/8	2	16	185
	3/16 - 1/4	CDP 14316-FD	15	11 1/2	10 1/2	46 3/8	2	16	207
16	12-10	CDP 1612-FD	17	13 1/2	10 1/2	51 3/8	2	18	199
	3/16 - 1/4	CDP 16316-FD	17	13 1/2	10 1/2	51 3/8	2	18	225
18	12-10	CDP 1812-FD	19	14 1/2	11 1/2	56 3/8	2	20	269
	3/16 - 1/4	CDP 18316-FD	19	14 1/2	11 1/2	56 3/8	2	20	308
20	10	CDP 2012-FD	21	15 1/2	12	61 3/8	2	22	315
	3/16 - 1/4	CDP 20316-FD	21	15 1/2	12	61 3/8	2	22	353
24	10	CDP 2412-FD	25	17 1/2	13	71 3/8	2	26	389
	3/16 - 1/4	CDP 24316-FD	25	17 1/2	13	71 3/8	2	26	438

For Bolt Pattern See Page 111

Discharge Gates

dust tight pneumatic curved slide



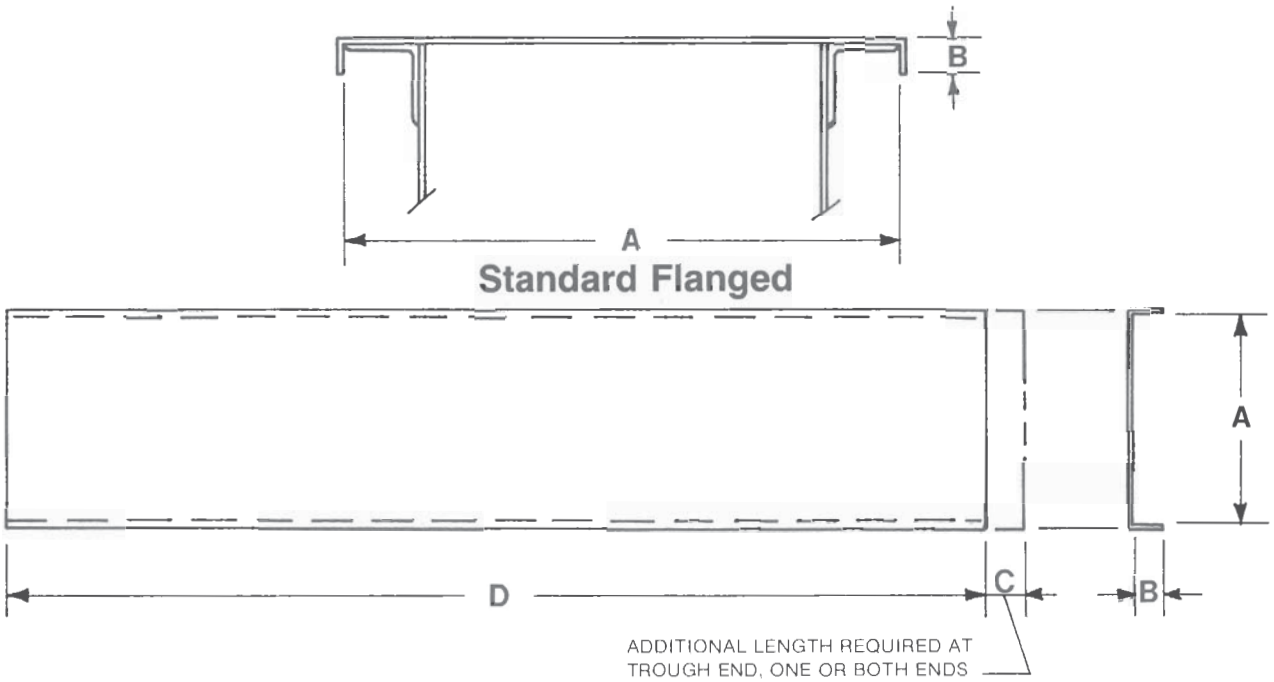
Screw Diam.	Trough Thickness ga.	Part Number	A	B Min	C	E	Cylinder Size	Cylinder Stroke	Wt.
4	16-14	CDP 416-CD	5	4 1/2	7 1/2	20 9/16	1 1/8	6	37
	12	CDP 412-CD	5	4 1/2	7 1/2	20 9/16	1 1/8	6	57
6	16-14-12	CDP 616-CD	7	6	10	25 7/16	1 1/8	8	69
	3/16	CDP 612-CD	7	6	10	25 7/16	1 1/8	8	74
9	16-14-12-10	CDP 914-CD	10	8	12 1/2	34 7/8	1 1/2	12	103
	3/16 - 1/4	CDP 910-CD	10	8	12 1/2	34 7/8	1 1/2	12	111
10	16-14-12-10	CDP 1014-CD	11	9	13	36 3/8	1 1/2	12	115
	3/16 - 1/4	CDP 1010-CD	11	9	13	36 3/8	1 1/2	12	124
12	12-10	CDP 1212-CD	13	10 1/2	15	41 3/8	2	14	176
	3/16- 1/4	CDP 12316-CD	13	10 1/2	15	41 3/8	2	14	194
14	12-10	CDP 1412-CD	15	11 1/2	15 1/2	46 3/8	2	16	204
	3/16 - 1/4	CDP 14316-CD	15	11 1/2	15 1/2	46 3/8	2	16	228
16	12-10	CDP 1612-CD	17	13 1/2	16 1/2	51 3/8	2	18	219
	3/16 - 1/4	CDP 16316-CD	17	13 1/2	16 1/2	51 3/8	2	18	248
18	12-10	CDP 1812-CD	19	14 1/2	18 1/2	56 3/8	2	20	296
	3/16 - 1/4	CDP 18316-CD	19	14 1/2	18 1/2	56 3/8	2	20	339
20	10	CDP 2012-CD	21	15 1/2	20	61 3/8	2	22	347
	3/16 - 1/4	CDP 20316-CD	21	15 1/2	20	61 3/8	2	22	388
24	10	CDP 2412-CD	25	17 1/2	23	71 3/8	2	26	428
	3/16 - 1/4	CDP 24316-CD	25	17 1/2	23	71 3/8	2	26	482

For Bolt Pattern See Page 111

Trough Cover Index

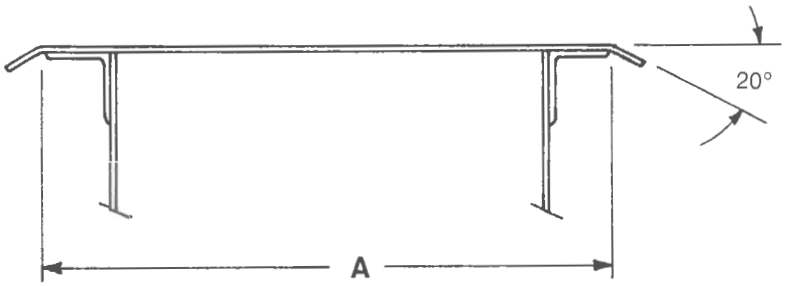
Trough Cover Index — con't

Standard Flanged Trough Cover

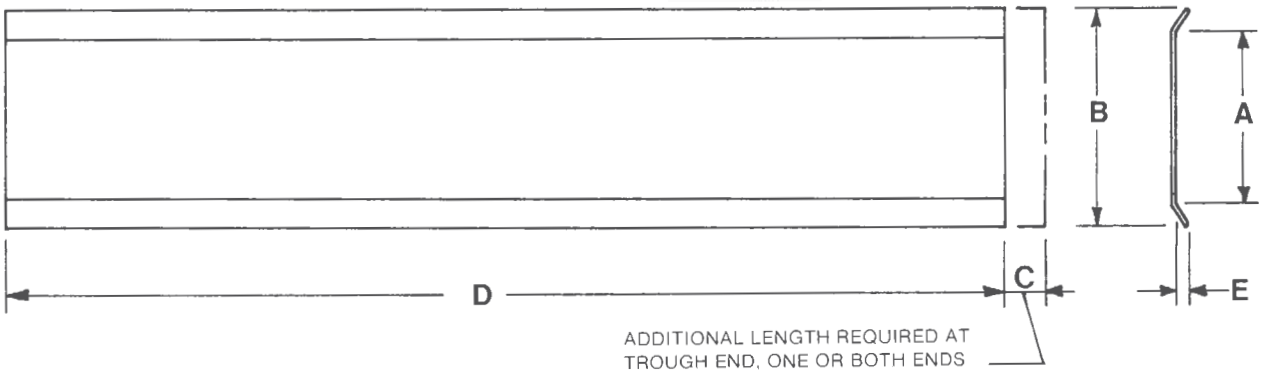


Conveyor diam.	Thickness ga.	Part Number	Wt. per Ft.	A	B	C	D Std. Length
4	16	CTC 416-F	2.3	7 7/8	1/2	17/16	10′ 0″
	14	CTC 414-F	2.9	7 7/8	1/2	17/16	10′ 0″
6	16	CTC 616-F	2.9	9 7/8	1/2	1 1/2	10′ 0″
	14	CTC 614-F	3.6	9 7/8	1/2	1 1/2	10′ 0″
9	16	CTC 916-F	3.6	13 7/8	1/2	15/8	10′ 0″
	14	CTC 914-F	4.5	13 7/8	1/2	15/8	10′ 0″
10	16	CTC 1016-F	3.9	14 7/8	1/2	1 3/4	10′ 0″
	14	CTC 1014-F	4.9	14 7/8	1/2	1 3/4	10′ 0″
12	14	CTC 1214-F	4.4	17 1/2	1/2	2	12′ 0″
	12	**CTC 1212-F**	**6.2**	**17 1/2**	**1/2**	**2**	**12′ 0″**
14	14	CTC 1414-F	5.0	19 1/2	1/2	2	12′ 0″
	12	CTC 1412-F	7.0	19 1/2	1/2	2	12′ 0″
16	14	CTC 1614-F	5.5	21 1/2	1/2	2 1/2	12′ 0″
	12	CTC 1612-F	7.7	21 1/2	1/2	2 1/2	12′ 0″
18	14	CTC 1814-F	6.2	24 1/2	1/2	2 1/2	12′ 0″
	12	CTC 1812-F	8.7	24 1/2	1/2	2 1/2	12′ 0″
20	14	CTC 2014-F	6.5	26 1/2	1/2	2 1/2	12′ 0″
	12	CTC 2012-F	9.1	26 1/2	1/2	2 1/2	12′ 0″
24	12	CTC 2412-F	10.1	30 1/2	1/2	2 1/2	12′ 0″
	10	CTC 2410-F	15	30 1/2	1/2	2 1/2	12′ 0″

Semi-Flanged Trough Cover

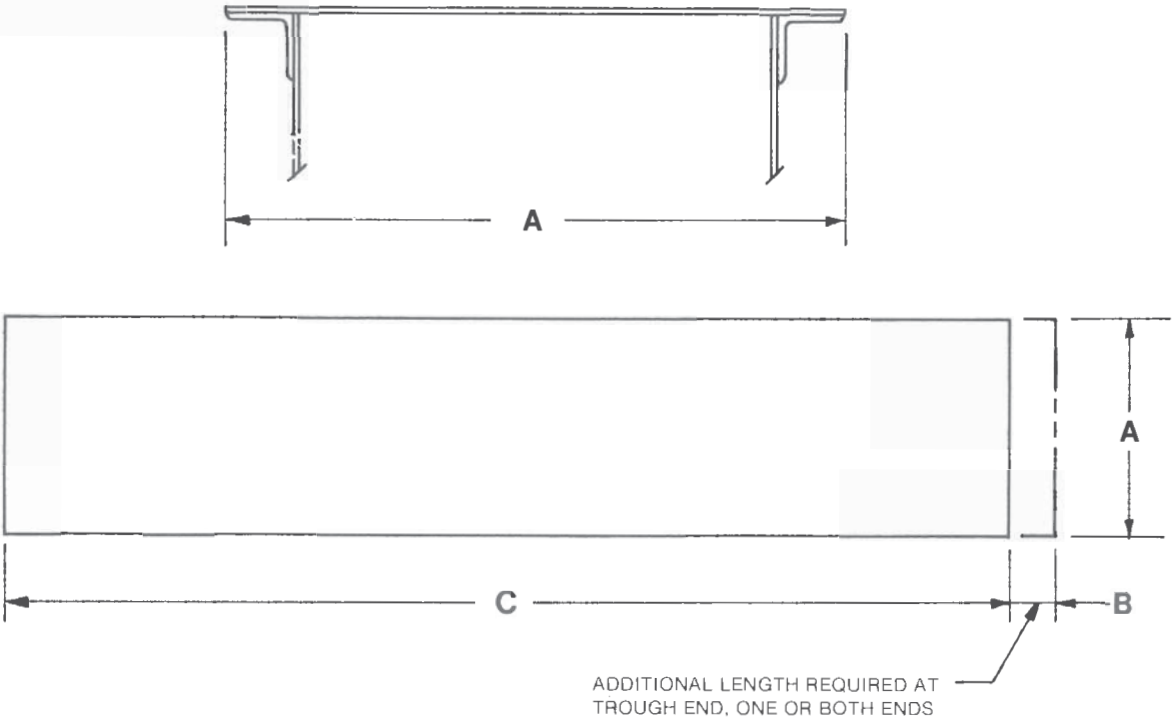


Semi-Flanged



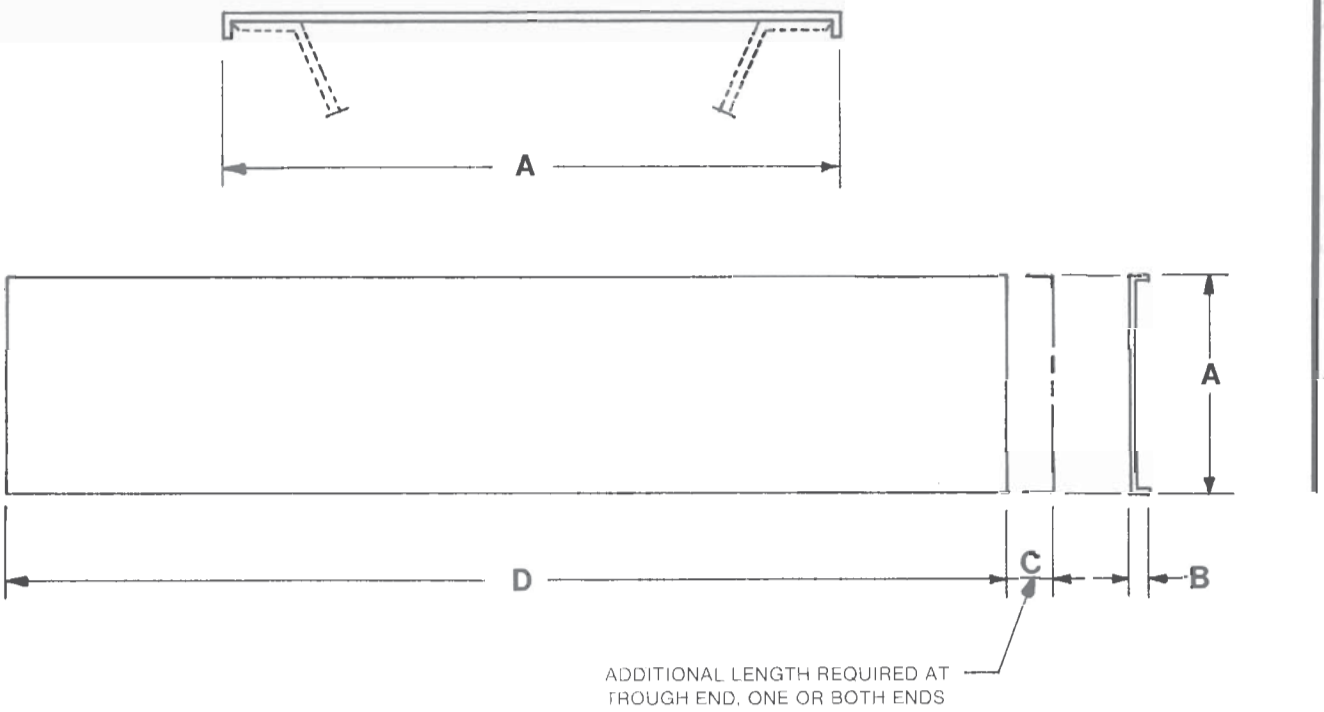
Conveyor diam.	Thickness ga.	Part Number	Wt. per Ft.	A	B	C	D Std. Length	E
4	16	CTC 416-S	1.9	7 1/4	8 1/4	17/16	10′ 0″	3/16
	14	CTC 414-S	2.4	7 1/4	8 1/4	17/16	10′ 0″	3/16
6	16	CTC 616-S	2.4	9 7/8	10 7/8	1 1/2	10′ 0″	3/16
	14	CTC 614-S	3.0	9 7/8	10 7/8	1 1/2	10′ 0″	3/16
9	16	CTC 916-S	3.8	13 3/8	14 3/8	15/8	10′ 0″	3/16
	14	CTC 914-S	5.3	13 3/8	14 3/8	15/8	10′ 0″	3/16
10	16	CTC 1016-S	4.1	14 3/8	15 3/8	1 3/4	10′ 0″	3/16
	14	CTC 1014-S	5.7	14 3/8	15 3/8	1 3/4	10′ 0″	3/16
12	14	CTC 1214-S	5.3	17 1/2	18 1/2	2	12′-0″	3/16
	12	CTC 1212-S	7.4	17 1/2	18 1/2	2	12′-0″	3/16
14	14	CTC 1414-S	5.6	19 1/2	20 1/2	2	12′-0″	3/16
	12	CTC 1412-S	7.6	19 1/2	20 1/2	2	12′-0″	3/16
16	14	CTC 1614-S	6.3	21 1/2	22 1/2	2 1/2	12′-0″	3/16
	12	CTC 1612-S	8.8	21 1/2	22 1/2	2 1/2	12′-0″	3/16
18	14	CTC 1814-S	9.8	24 1/2	25 1/2	2 1/2	12′-0″	3/16
	12	CTC 1812-S	13.7	24 1/2	25 1/2	2 1/2	12′-0″	3/16
20	14	CTC 2014-S	10.5	26 1/2	27 1/2	2 1/2	12′-0″	3/16
	12	CTC 2012-S	14.7	26 1/2	27 1/2	2 1/2	12′-0″	3/16
24	12	CTC 2412-S	12.1	30 1/2	31 1/2	2 1/2	12′-0″	3/16
	10	CTC 2410-S	16.9	30 1/2	31 1/2	2 1/2	12′-0″	3/16

Flat Trough Cover



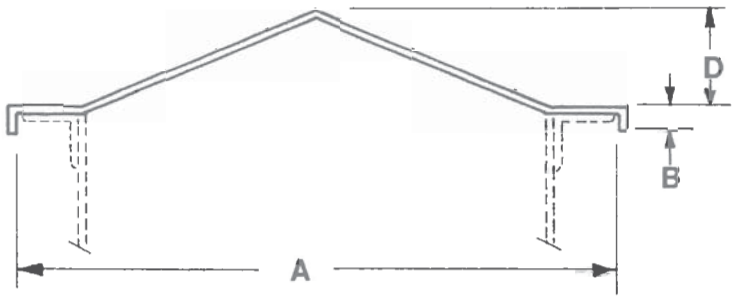
Conveyor diam.	Thickness ga.	Part Number	Wt. per Ft.	A	B	C Std. Length
4	14	CTC 414	1.9	7 1/8	17/16	10′ 0″
	12	CTC 412	2.6	7 1/8	17/16	10′ 0″
6	14	CTC 614	2.5	9 11/16	1 1/2	10′ 0″
	12	CTC 612	3.5	9 11/16	1 1/2	10′ 0″
9	14	CTC 914	3.5	13 3/8	15/8	10′ 0″
	12	CTC 912	4.9	13 3/8	15/8	10′ 0″
10	14	CTC 1014	3.8	14 3/8	1 3/4	10′ 0″
	12	CTC 1012	5.3	14 3/8	1 3/4	10′ 0″
12	14	CTC 1214	4.6	17 1/2	2	12′ 0″
	12	CTC 1212	6.4	17 1/2	2	12′ 0″
14	14	CTC 1414	5.1	19 1/2	2	12′ 0″
	12	CTC 1412	7.1	19 1/2	2	12′ 0″
16	14	CTC 1614	5.6	21 1/2	2 1/2	12′ 0″
	12	CTC 1612	7.9	21 1/2	2 1/2	12′ 0″
18	12	CTC 1812	8.9	24 1/2	2 1/2	12′ 0″
	10	CTC 1810	11.5	24 1/2	2 1/2	12′ 0″
20	12	CTC 2012	9.6	26 1/2	2 1/2	12′ 0″
	10	CTC 2010	12.4	26 1/2	2 1/2	12′ 0″
24	12	CTC 2412	11.1	30 1/2	2 1/2	12′ 0″
	10	CTC 2410	14.3	30 1/2	2 1/2	12′ 0″

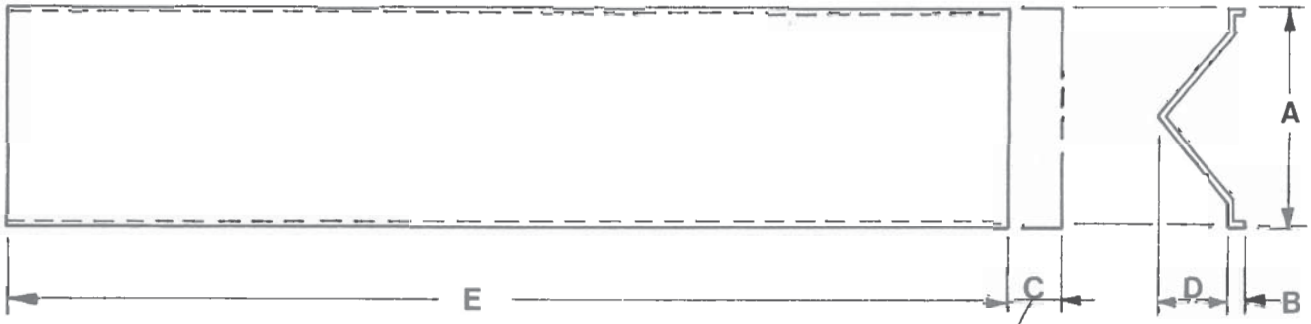
Flared Trough Cover



Con-veyor diam.	Flared Cover Thick-ness ga.	Part Number	Wt. per Ft.	A	B	C	D Std. Lgth.
4	14	CTC 414-V	—	—	1/2	17/16	10′ 0″
	12	CTC 412-V	—	—	1/2	17/16	10′ 0″
6	14	CTC 614-V	4.8	17 3/8	1/2	1 1/2	10′ 0″
	12	CTC 612-V	6.7	17 3/8	1/2	1 1/2	10′ 0″
9	14	CTC 914-V	6.0	22	1/2	1 5/8	10′ 0″
	12	CTC 912-V	8.4	22	1/2	1 5/8	10′ 0″
10	14	CTC 1014-V	—	—	1/2	1 3/4	10′ 0″
	12	CTC 1012-V	—	—	1/2	1 3/4	10′ 0″
12	14	CTC 1214-V	7.2	27	1/2	2	12′ 0″
	12	CTC 1212-V	10.0	27	1/2	2	12′ 0″
14	14	CTC 1414-V	7.8	29	1/2	2	12′ 0″
	12	CTC 1412-V	10.9	29	1/2	2	12′ 0″
16	14	CTC 1614-V	8.8	33	1/2	2 1/2	12′ 0″
	12	CTC 1612-V	12.4	33	1/2	2 1/2	12′ 0″
18	12	CTC 1812-V	13.9	37	1/2	2 1/2	12′ 0″
	10	CTC 1810-V	17.8	37	1/2	2 1/2	12′ 0″
20	12	CTC 2012-V	15.0	40	1/2	2 1/2	12′ 0″
	10	CTC 2010-V	19.2	40	1/2	2 1/2	12′ 0″
24	12	CTC 2412-V	17.1	46	1/2	2 1/2	12′ 0″
	10	CTC 2410-V	22.0	46	1/2	2 1/2	12′ 0″

Hip Roof Trough Cover

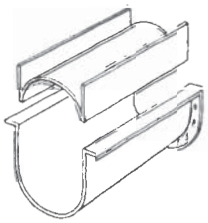


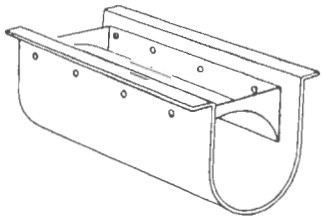


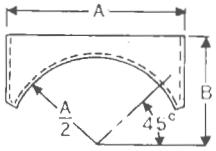
Conveyor diam.	Thickness ga.	Ridged Cover Part Number	Wt. per Ft.	A	B	C	D	E Std. Lgth.
4	14	CTC 414-R	2.4	7 7/8	1/2	17/16	2	10' 0"
	12	CTC 412-R	3.4	7 7/8	1/2	17/16	2	10' 0"
6	14	CTC 614-R	3.2	9 7/8	1/2	1 1/2	2	10' 0"
	12	CTC 612-R	4.5	9 7/8	1/2	1 1/2	2	10' 0"
9	14	CTC 914-R	4.1	13 7/8	1/2	1 5/8	2	10' 0"
	12	CTC 912-R	5.7	13 7/8	1/2	1 5/8	2	10' 0"
10	14	CTC 1014-R	4.4	14 7/8	1/2	1 3/4	2	10' 0"
	12	CTC 1012-R	6.1	14 7/8	1/2	1 3/4	2	10' 0"
12	14	CTC 1214-R	5.0	17 1/2	1/2	2	2	12' 0"
	12	CTC 1212-R	7.0	17 1/2	1/2	2	2	12' 0"
14	14	CTC 1414-R	5.6	19 1/2	1/2	2	2	12' 0"
	12	CTC 1412-R	7.8	19 1/2	1/2	2	2	12' 0"
16	14	CTC 1614-R	6.1	21 1/2	1/2	2 1/2	2	12' 0"
	12	CTC 1612-R	8.5	21 1/2	1/2	2 1/2	2	12' 0"
18	12	CTC 1812-R	9.6	24 1/2	1/2	2 1/2	2	12' 0"
	10	CTC 1810-R	12.3	24 1/2	1/2	2 1/2	2	12' 0"
20	12	CTC 2012-R	10.2	26 1/2	1/2	2 1/2	2	12' 0"
	10	CTC 2010-R	13.2	26 1/2	1/2	2 1/2	2	12' 0"
24	12	CTC 2412-R	11.8	30 1/2	1/2	2 1/2	2	12' 0"
	10	CTC 2410-R	15.1	30 1/2	1/2	2 1/2	2	12' 0"

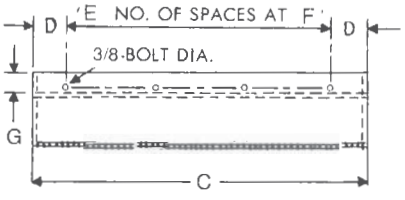
Shrouds

Conveyor Diam.	Trough Thickness	Shrouded Trough Cover Part Number	Wt.	A	B	C	D	E	F	G
4	14	CTS 414	2.0	5	3 5/8	8	2	1	4	5/8
	12	CTS 412		5	3 5/8	8	2	1	4	5/8
6	14	CTS 614	3.9	7	4 1/2	12	3	1	6	3/4
	12	CTS 612	5.4	7	4 1/2	12	3	1	6	3/4
	3/16	CTS 67		7	4 1/2	12	3	1	6	3/4
9	14	CTS 914	7.8	10	6 1/8	18	3	2	6	7/8
	12	CTS 912		10	6 1/8	18	3	2	6	7/8
	10	CTS 910		10	6 1/8	18	3	2	6	7/8
	3/16	CTS 97	19	10	6 1/8	18	3	2	6	7/8
	1/4	CTS 93		10	6 1/8	18	3	2	6	7/8
10	14	CTS1014	9.4	11	6 3/8	20	2 1/2	3	5	7/8
	12	CTS1012		11	6 3/8	20	2 1/2	3	5	7/8
	10	CTS1010		11	6 3/8	20	2 1/2	3	5	7/8
	3/16	CTS 107	23	11	6 3/8	20	2 1/2	3	5	7/8
	1/4	CTS 103		11	6 3/8	20	2 1/2	3	5	7/8
12	12	CTS1212	19	13	7 3/4	24	3	3	6	1 1/8
	10	CTS1210		13	7 3/4	24	3	3	6	1 1/8
	3/16	CTS 127	33	13	7 3/4	24	3	3	6	1 1/8
	1/4	CTS 123		13	7 3/4	24	3	3	6	1 1/8
14	12	CTS1412	26	15	9 1/4	28	3 1/2	3	7	1 1/8
	10	CTS1410		15	9 1/4	28	3 1/2	3	7	1 1/8
	3/16	CTS 147	47	15	9 1/4	28	3 1/2	3	7	1 1/8
	1/4	CTS 143		15	9 1/4	28	3 1/2	3	7	1 1/8
16	12	CTS1612	35	17	10 5/8	32	4	3	8	1 1/8
	10	CTS1610		17	10 5/8	32	4	3	8	1 1/8
	3/16	CTS 167	62	17	10 5/8	32	4	3	8	1 1/8
	1/4	CTS 163		17	10 5/8	32	4	3	8	1 1/8
18	12	CTS1812	45	19	12 1/8	36	4 1/2	3	9	1 3/8
	10	CTS1810		19	12 1/8	36	4 1/2	3	9	1 3/8
	3/16	CTS 187	79	19	12 1/8	36	4 1/2	3	9	1 3/8
	1/4	CTS 183		19	12 1/8	36	4 1/2	3	9	1 3/8
20	10	CTS2010	71	21	13 1/2	40	4	4	8	1 3/8
	3/16	CTS 207	99	21	13 1/2	40	4	4	8	1 3/8
	1/4	CTS 203		21	13 1/2	40	4	4	8	1 3/8
24	10	CTS2410	104	25	16 1/2	48	4	5	8	1 3/8
	3/16	CTS 247	144	25	16 1/2	48	4	5	8	1 3/8
	1/4	CTS 243		25	16 1/2	48	4	5	8	1 3/8







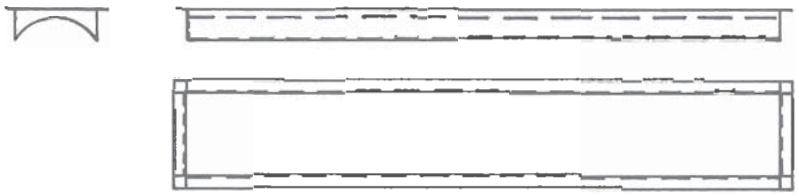


Shrouded trough cover

NOTE: GAUGE OF SHROUD SHOULD BE SAME AS TROUGH

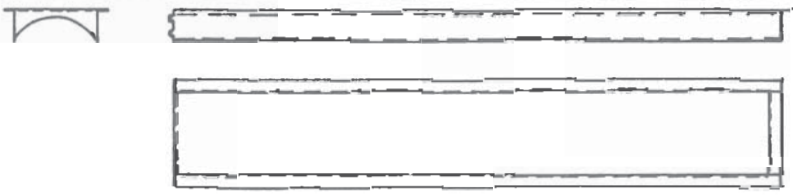
Trough Cover Shrouds

Conveyor shroud covers are used to form a tubular cross section within the conveyor trough. This arrangement gives the features of a tubular housing while allowing removal of the shroud for easy access and cleaning. Flat or flanged covers can be used over the shroud cover when it is objectionable for the recess in the shroud to be exposed to dust or weather. Various types of shrouds are furnished to fit various applications. These types are described below.



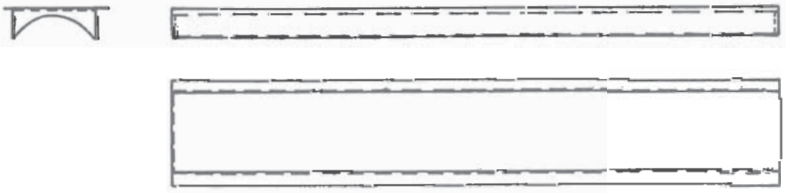
Type 1

Type 1 Shroud cover has flanged sides over top rail and flanged ends at both ends. This is used when shroud is full length of trough or between hangers.



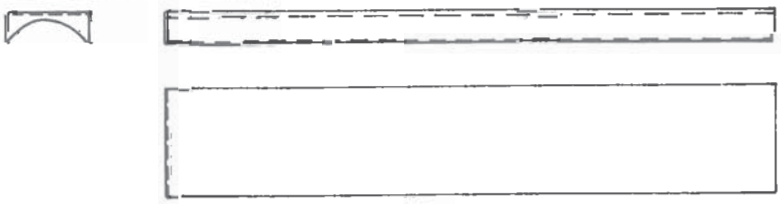
Type 2

Type 2 Shroud cover has flanged sides over top rails and flanged on one end over trough end; other end is plain. This type shroud is used at an inlet opening or next to a hanger at the plain end.



Type 3

Type 3 Shroud cover has flanged sides over top rail and both ends closed and no flanges over ends. This type shroud is used between hangers.



Type 4

Type 4 Shroud cover has no flanges at sides or ends. Bolt holes are provided along sides, for bolting through side of trough. This allows flush mounting with top of trough and a cover may be used over the shroud. This shroud is used mostly for short lengths when installed ahead of an inlet opening.

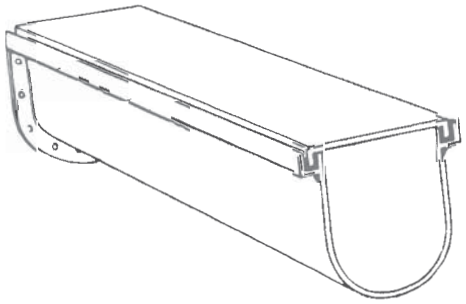
Modifications or Special Covers

Dome Trough Cover

Dome covers are of semi-circular shape, of the same diameter as the trough, and are flanged for fastening to the trough by bolts or clamps. End sections have a semi-circular flanged end plate, and intermediate joints are covered by a butt strap. Vent pipes or suction ducts may be attached to the cover. Such covers are used where venting of fumes or heat is required, from the conveyed material.

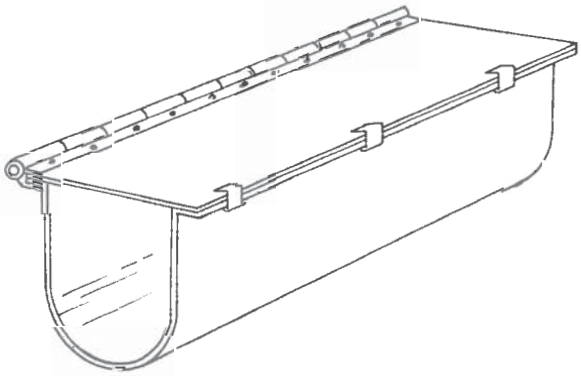
Dust Seal Covers

Dust seal covers are flanged down on all four sides to match the open channel flanges of the trough. The length of the cover sections should not exceed one half the length of the trough section. See P. 69 Dust Seal Trough.



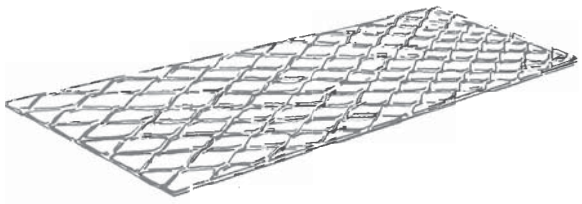
Hinged Covers

Hinged covers may be constructed from conventional flat covers or other, special covers. They are equipped with a continuous (piano) type hinge along one edge. The other edge is bolted or clamped to the trough flange. Hinged covers are used in applications where it is not desirable to have a cover that must be completely removed such as high areas above walkways or work spaces where a detached cover might fall.



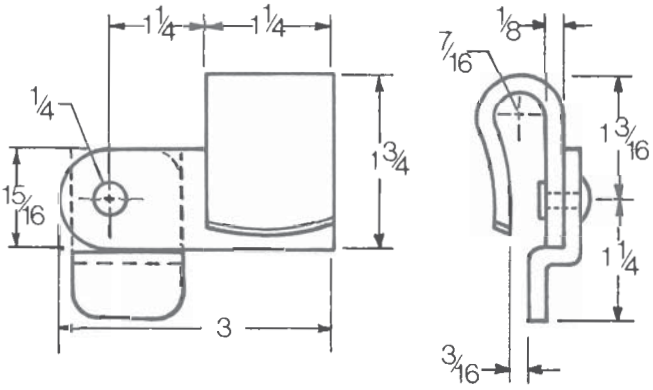
Expanded Metal Covers

Expanded metal covers provide a safe trough closure but still permit constant visual inspection of the operation of the conveyor.



Clamps

SPRING CLAMP



Steel Spring clamps are manufactured from heavy-guage steel with precision dies. Clamps are of the pivot type and are attached to the conveyor housing top flange by means of rivets. Designed for attaching flat covers, the spring clamps are adjustable and may be used with covers having rubber or other types of gaskets.

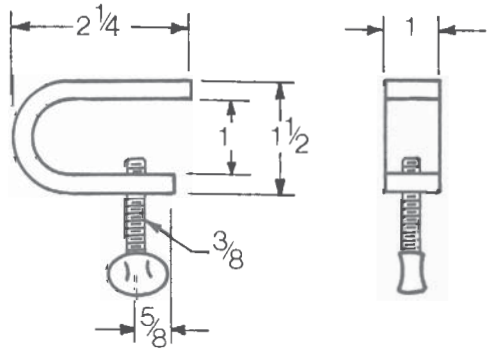
SPRING CLAMP

CSP	-1

SPRING CLAMP

-1 = WITHOUT BRACKET
-2 = WITH BRACKET

SCREW CLAMP



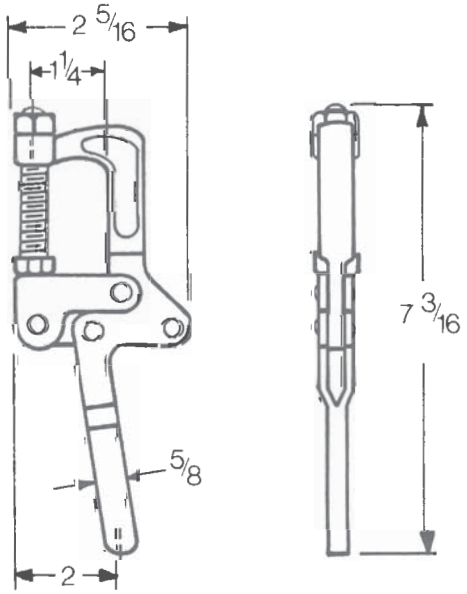
Steel screw clamps may be used with flanged or flat covers for all conveyor sizes through 24". Screw clamps provide a simple, yet completely secure, means of attaching covers.

SCREW CLAMPS

CSC	-1

SCREW CLAMP

TOGGLE CLAMP



Toggle clamps are designed for attaching covers to conveyors where quick accessibility is required. The toggle clamp is attached by welding the front or top of the base to the conveyor. The hold-down bar moves a full 90° to clear the working area. Adjustable spindle allows adjustment for all conveyor sizes. Plastic handle moves 50°. The clamp provides a holding pressure of 800 lbs., yet weighs less than a pound.

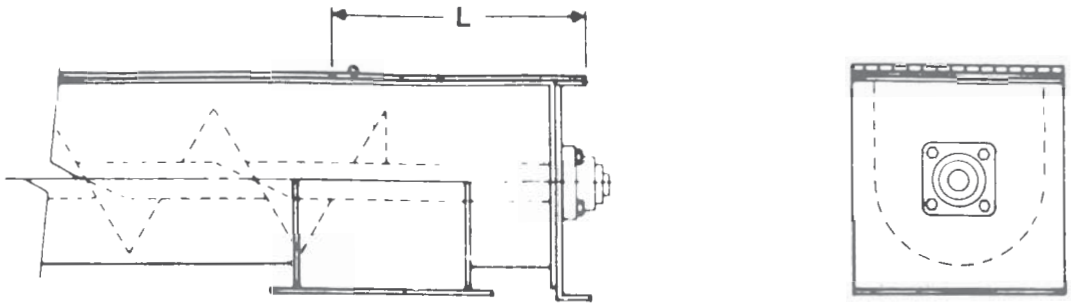
TOGGLE CLAMPS

TOC	-1

TOGGLE CLAMP

Trough Cover Accessories

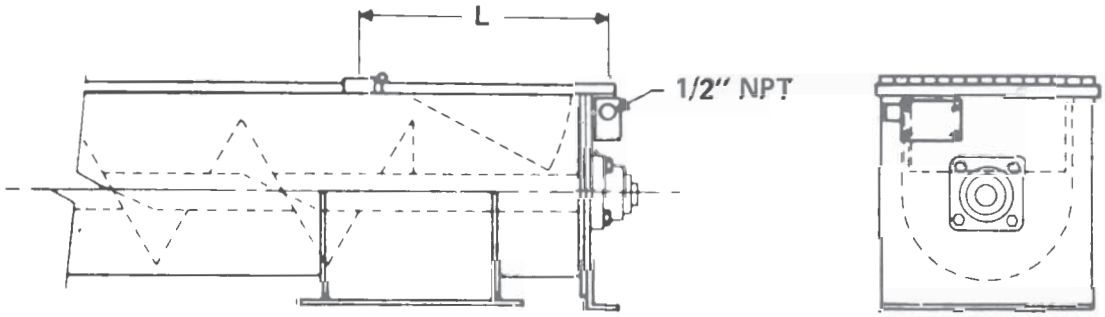
OVERLOAD RELIEF



In the event that storage facility, processing equipment or subsequent conveyors become full, the material is forced upward against the hinged relief and discharged, thus preventing overload damage to the conveyor and accessories.

Relief doors are available for bolting to existing conveyor covers or may be shop assembled to any type of standard or special conveyor cover. Length "L" is equal to 1-1/2 times the conveyor diameter.

OVERLOAD RELIEF WITH SWITCH

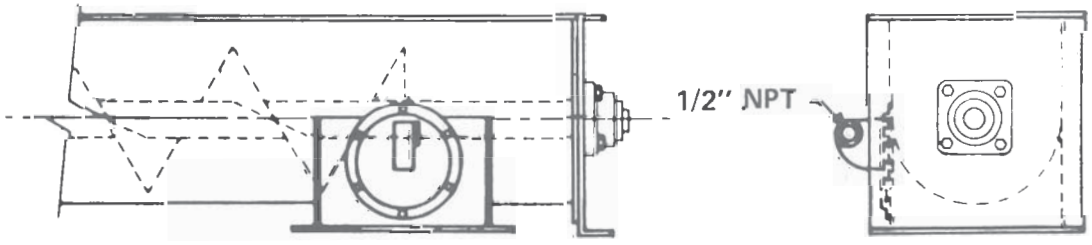


This protective device provides immediate relief upon overload and closes or opens an electrical circuit which may stop the conveyor, sound an alarm, or both.

When the surplus of material flows from the conveyor the overload relief closes and returns the switch to safe position, thus restarting the conveyor.

The electrical switch is available in standard, weather tight or explosion proof construction. This assembly is available for installation on existing conveyors, or may be shop assembled during fabrication of new conveyors. Length "L" is equal to 1-1/2 times the conveyor diameter.

OVERLOAD PRESSURE SWITCH



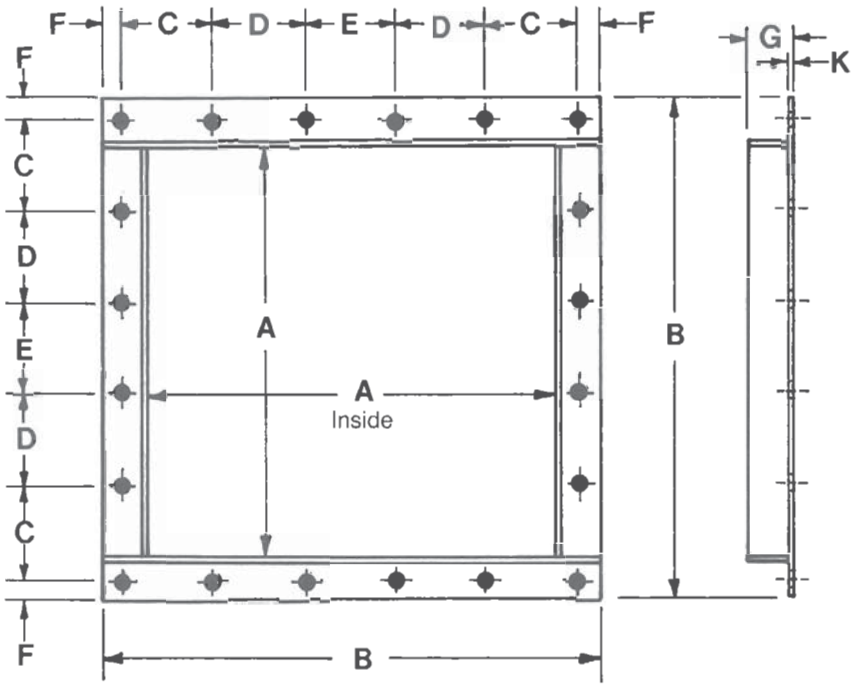
When it is undesirable to allow material to spill from the above relief devices during overload, this pressure type switch may be installed on the discharge spout to open or close an electrical circuit which may stop the conveyor, sound an alarm, or both.

This device may also be used to advantage in any intermediate discharge spouts to indicate a full condition or to open another pneumatically operated discharge gate. Switches are available for field installation on existing conveyors, or may be shop assembled during fabrication of new equipment.

Conveyor Inlet

The Standard Flanged Conveyor Inlet is designed to be welded to a flat or flanged conveyor cover. The inlet size and bolt drilling arrangement is the same as the standard discharge spout.

Standard Flanged Inlet



Screw Dia.	Part Number	Bolts No.	Bolts Dia.	A	B	C	D	E	F	G	K	Wt.
4	CI4	12	1/4	5	7 1/2	2 1/4	—	2 1/4	3/8	1 1/4	1/8	1.8
6	CI6	12	3/8	7	10	2 13/16		3	11/16	1 1/2	3/16	5.0
9	CI9	12	3/8	10	13	4		4	1/2	1 1/2	3/16	6.8
10	CI10	12	3/8	11	14	4 5/16	—	4 3/8	1/2	1 1/2	3/16	7.4
12	CI12	12	3/8	13	17	5 1/8		5 1/4	3/4	2	3/16	12.1
14	CI14	20	3/8	15	19	3 1/2	3 1/2	3 1/2	3/4	2	3/16	13.7
16	CI16	20	3/8	17	21	3 3/4	4	4	3/4	2	1/4	15.3
18	CI18	20	1/2	19	24	4 7/16	4 3/8	4 3/8	1	2 1/2	1/4	29.0
20	CI20	20	1/2	21	26	4 7/8	4 3/4	4 3/4	1	2 1/2	1/4	31.8
24	CI24	20	1/2	25	30	5 5/8	5 5/8	5 1/2	1	2 1/2	1/4	37.2

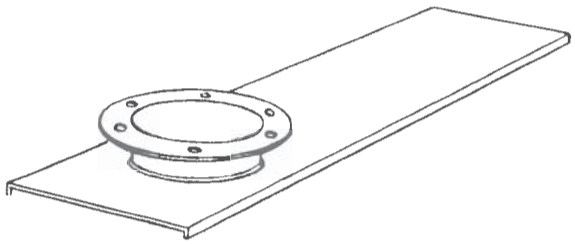
Inlet Special Features

Material Inlet Special Features

Special inlet features include round inlet spouts, deflector plate inlets, cushion chamber inlets, side inlets and various types of inlet gates as shown.

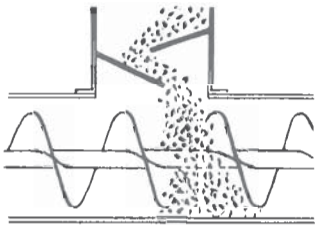
Round Inlet Spout

Round inlet spouts are used for tubular inlet attachments or when connecting the discharge of one conveyor to the inlet of a succeeding conveyor where the two screw conveyors are not at right angles to each other.



Deflector Plate Inlets

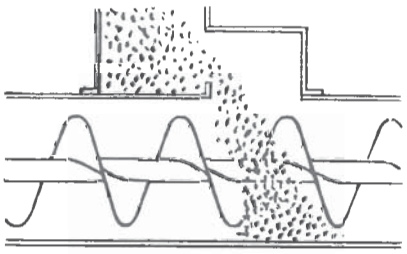
Deflector plate inlets are used when material falls vertically into the inlet, subjecting the conveyor screw to the hazard of impact damage or abrasion. The rectangular inlet is equipped with deflector plates or baffles that reduce impact and gentle the flow of material to the conveyor.



Cushion Chamber Inlets

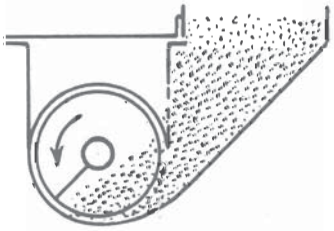
(Dead bed inlets)

Cushion chamber inlets (dead bed inlets) serve the same purpose as deflector plate inlets, but are constructed with a ledge on which a bed of material accumulates to form a cushion for the material flowing to the conveyor.



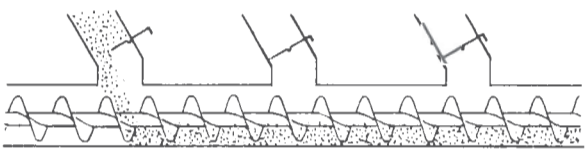
Side Inlet

The side inlet acts to relieve the conveyor screw from excessive pressure of the material, and is of advantage for feeding materials that tend to pack and arch. When using the side inlet, the screw rotation should be toward the inlet opening to assure a constant flow rate. A slide gate usually is provided to control the flow of material.



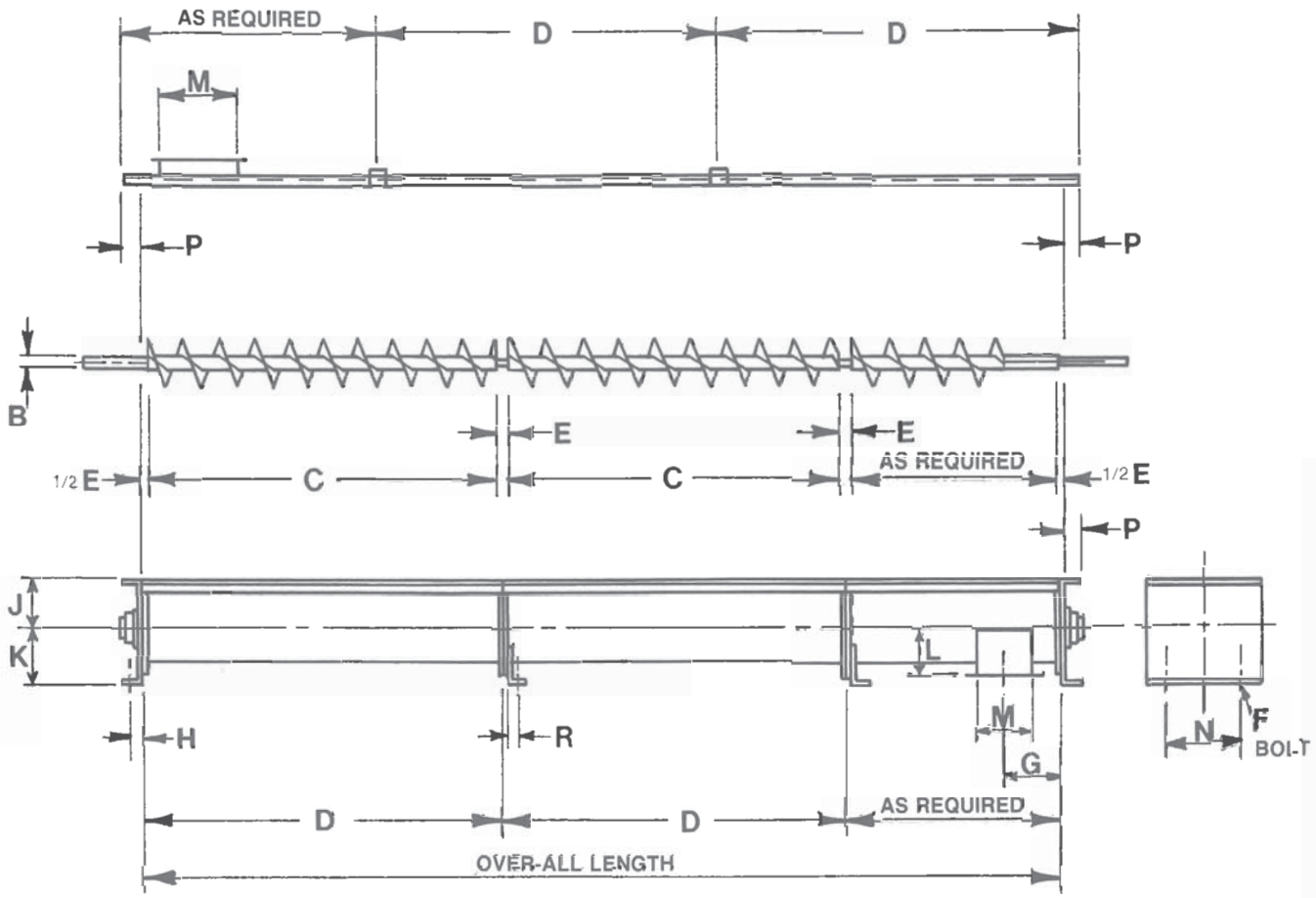
Hand Slide Inlet Gate

Hand slide inlet gates are used to regulate or shut off the flow of material to a screw conveyor. They normally are used when multiple inlets are required. The gates are adjusted manually to control the amount of material flow from the desired source.



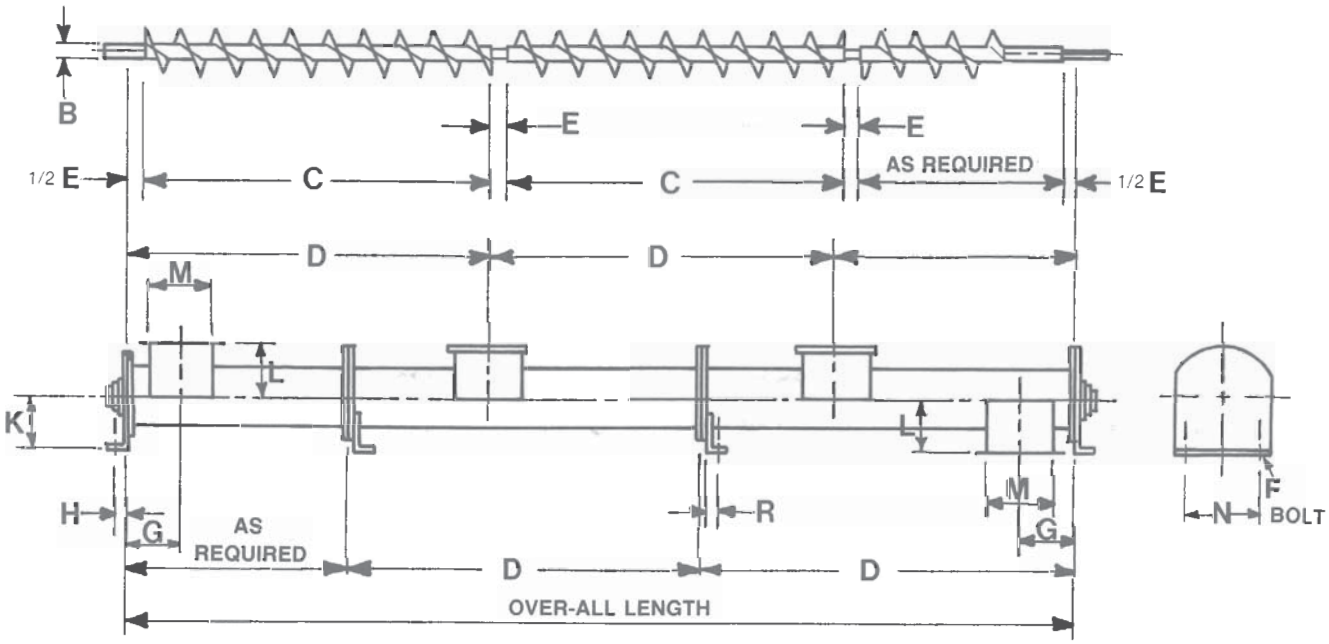
Layout Section Index

Conveyor Layout — Trough Type



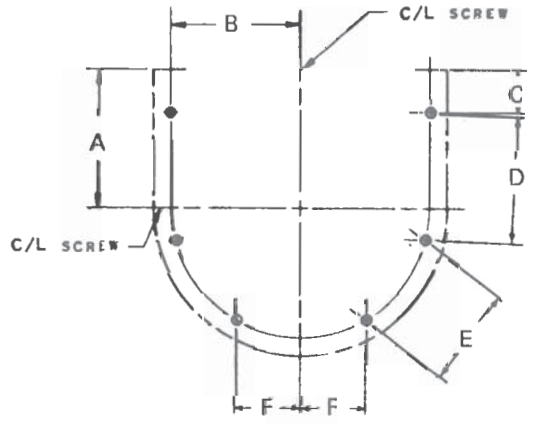
A Screw Diam.	B Cplng. Diam.	C Length Ft.-In.	D Length Ft.-In.	E	Bolt F	G	H	J	K	L	M	N	P	R
4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	3 5/8	4 5/8	3 3/4	5	5 3/4	1 7/16	7/8
6	1 1/2	9-10	10	2	3/8	6	1	4 1/2	5 5/8	5	7	8 1/8	1 1/2	13/16
9	1 1/2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	15/16
	2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	15/16
10	1 1/2	9-10	10	2	5/8	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	19/16
	2	9-10	10	2	5/8	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	19/16
12	2	11-10	12	2	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
	3	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8
	3	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8
16	3	11-9	12	3	5/8	13 1/2	2	10 5/8	12	11 1/8	17	14 7/8	2 1/2	1 3/4
18	3	11-9	12	3	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4
	3 7/16	11-8	12	4	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4
20	3	11-9	12	3	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2
	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2
24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	16 1/2	18 1/8	15 3/8	25	20	2 1/2	2 1/4

Conveyor Layout — Tubular Housing Type

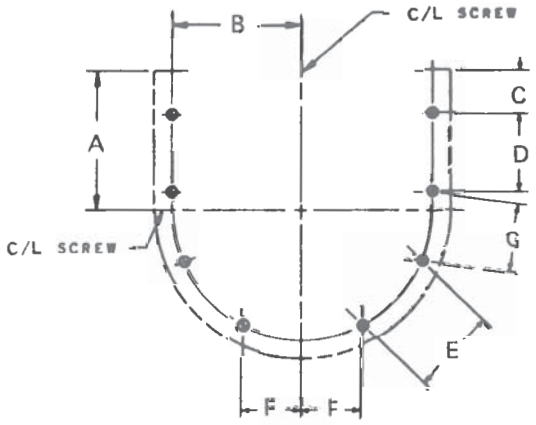


A Screw Diam.	B Cplng. Diam.	C Length Ft.-In.	D Length Ft.-In.	E	Bolt F	G	H	K	L	M	N	R
4	1	9-10 1/2	8	1 1/2	3/8	4 1/2	1	4 5/8	3 3/4	5	5 3/4	7/8
6	1 1/2	9-10	10	2	3/8	6	1	5 5/8	5	7	8 1/8	13/16
9	1 1/2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16
	2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16
10	1 1/2	9-10	10	2	5/8	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16
	2	9-10	10	2	5/8	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16
12	2	11-10	12	2	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8
	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8
	3	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8
14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8
	3	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8
16	3	11-9	12	3	5/8	13 1/2	2	12	11 1/8	17	14 7/8	1 3/4
18	3	11-9	12	3	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4
	3 7/16	11-8	12	4	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4
20	3	11-9	12	3	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2
	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2
24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	18 1/8	15 3/8	25	20	2 1/4

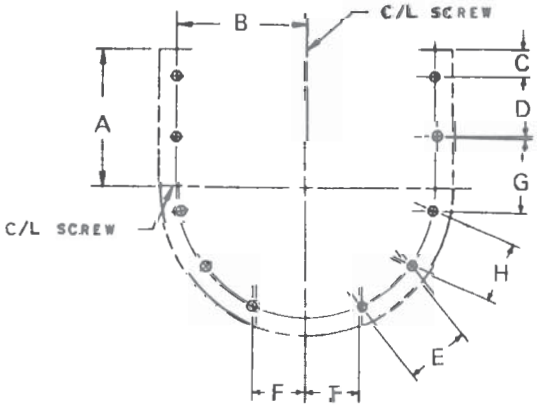
Bolt Patterns — U-Trough End Flanges



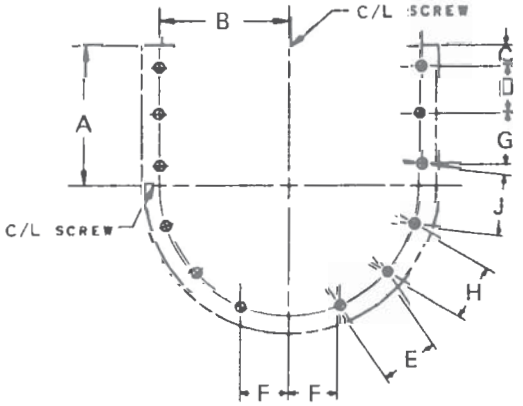
6 Hole Flange Connection



8 Hole Flange Connection



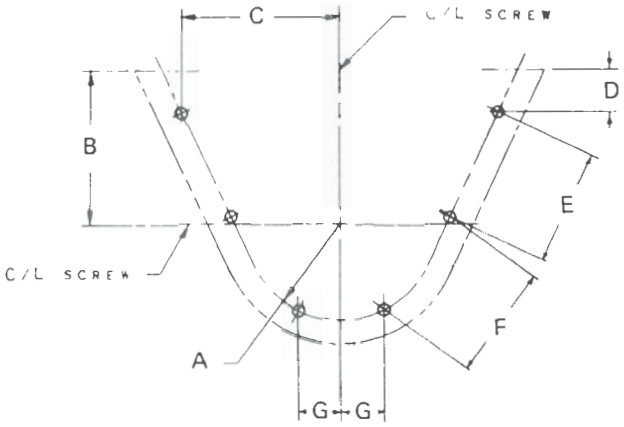
10 Hole Flange Connection



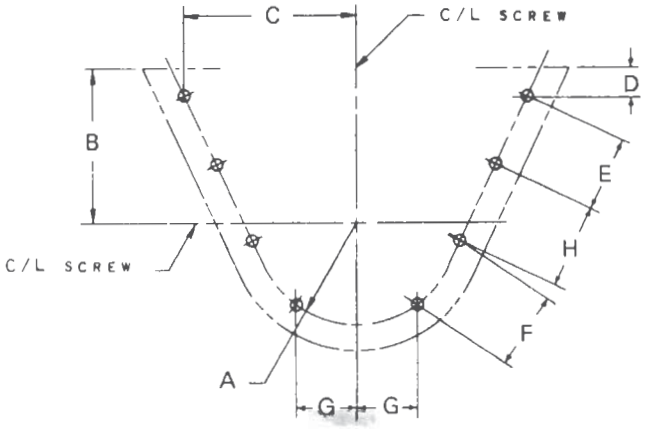
12 Hole Flange Connection

Screw dia. inches	Bolts Dia. inches	Holes	A	B	C	D	E	F	G	H	J
			Inches								
6	3/8	6	4 1/2	4 7/16	1 1/32	4 1/8	4 1/16	2 1/32	—	—	—
9	3/8	8	6 1/8	6 1/4	1 3/16	4 1/8	3 3/4	2 9/16	4 1/8	—	—
12	1/2	8	7 3/4	7 15/16	1 1/2	5 5/16	4 1/16	3 7/8	5 3/16	—	—
14	1/2	8	9 1/4	8 15/16	2 17/32	5 5/8	5 15/16	3	5 15/16	—	—
16	5/8	8	10 5/8	10	2 5/8	6 3/8	6 5/8	3 3/4	6 5/8	—	—
18	5/8	10	12 1/8	11	2 23/32	5 15/16	5 7/8	2 15/16	5 7/8	5 7/8	—
20	5/8	10	13 1/2	12 3/16	2 25/32	6 1/4	6 11/16	3 11/32	6 11/16	6 11/16	—
24	5/8	12	16 1/2	14 1/4	2 25/32	6 1/8	6 5/8	3 5/16	6 5/8	6 5/8	6 5/8

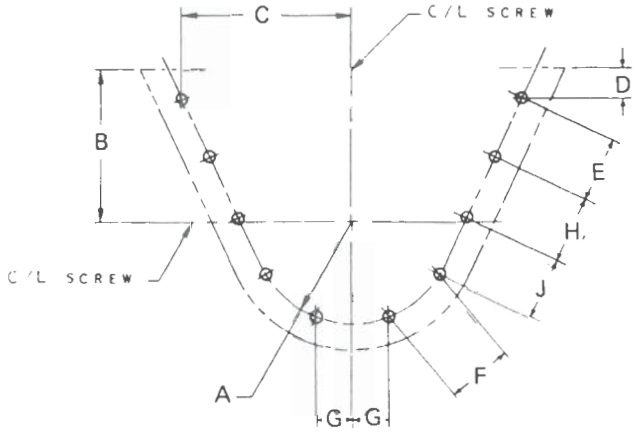
Bolt Patterns — Flared Trough End Flanges



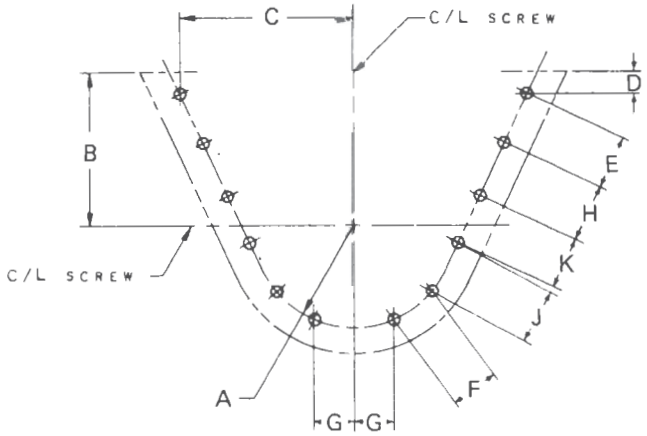
6 HOLE FLANGE CONNECTION



8 HOLE FLANGE CONNECTION



10 HOLE FLANGE CONNECTION

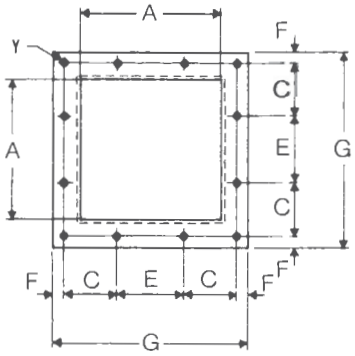


12 HOLE FLANGE CONNECTION

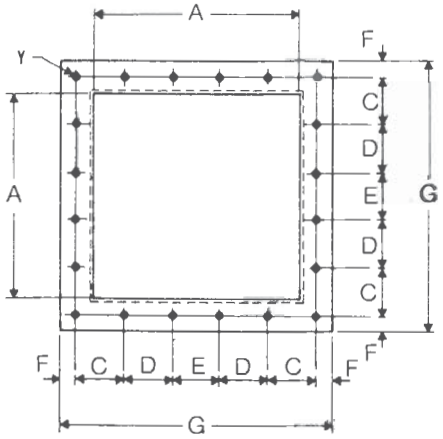
Screw dia. inches	Bolts Dia. inches	Holes	A	B	C	D	E	F	G	H	J	K
			Inches									
6	3/8	6	4 7/16	7	7 3/16	1 27/32	5 1/4	5 1/4	2 1/32	–	—	—
9	3/8	8	6 1/4	9	9 21/32	1 43/64	5	5	2 9/16	5	—	—
12	1/2	8	7 15/16	10	11 13/16	1 13/16	5 3/4	5 3/4	3 7/8	5 3/4	—	—
14	1/2	10	8 15/16	11	12 49/64	2 1/16	5 1/8	5 1/8	3	5 1/8	5 1/8	—
16	5/8	10	10	11 1/2	14 11/16	2 15/64	5 1/2	5 1/2	3 3/4	5 1/2	5 1/2	—
18	5/8	10	11	12 1/8	16	2 5/8	6 3/16	6 3/16	2 15/16	6 3/16	6 3/16	—
20	5/8	10	12 3/16	13 1/2	17 7/8	2 9/32	7	7	3 11/32	7	7	—
24	5/8	12	14 1/4	16 1/2	20 61/64	2 5/16	6 7/8	6 7/8	3 5/16	6 7/8	6 7/8	6 7/8

Bolt Patterns

intake & discharge flanges

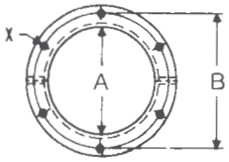


12 bolts

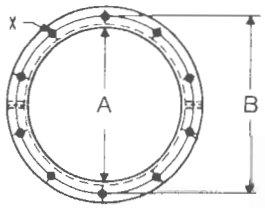


20 bolts

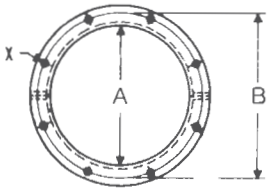
tubular housing flanges



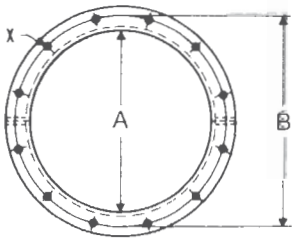
6 bolts



10 bolts



8 bolts



12 bolts

Screw Size	Flange Bolts Tubular x	Flange Bolts Discharge y	A	B	C	D	E	F	G
4	6—3/8	12—1/4	5	7	2 1/4	—	2 1/4	3/8	7 1/2
6	6—3/8	12—3/8	7	8 7/8	2 13/16	—	3	11/16	10
9	8—3/8	12—3/8	10	12 1/2	4	—	4	1/2	13
10	8—3/8	12—3/8	11	13 1/4	4 5/16	—	4 3/8	5/8	14 1/4
12	8—1/2	12—3/8	13	15 7/8	5 1/8	—	5 1/4	7/8	17 1/4
14	8—1/2	20—3/8	15	17 7/8	3 1/2	3 1/2	3 1/2	7/8	19 1/4
16	8—5/8	20—3/8	17	20	3 3/4	4	4	7/8	21 1/4
18	10—5/8	20—1/2	19	22	4 7/16	4 3/8	4 3/8	1 1/8	24 1/4
20	10—5/8	20—1/2	21	24 3/8	4 7/8	4 3/4	4 3/4	1 1/8	26 1/4
24	12—5/8	20—1/2	25	28 1/2	5 5/8	5 5/8	5 1/2	1 1/8	30 1/4

BOLT REQUIREMENTS RELATED TO SHAFT COUPLING SIZES

	1		1 1/2		2	
COMPONENTS	NO.	SIZE	NO.	SIZE	NO.	SIZE
BEARINGS, END						
DISCH. BABBIT	3	3/8 X 1 1/4	3	1/2 X 1 3/4	3	5/8 X 2
DISCH. BALL	3	3/8 X 1 1/4	3	1/2 X 1 1/2	3	5/8 X 1 3/4
FLANGED BABBIT	4	3/8 X 1 1/4	4	1/2 X 1 3/4	4	5/8 X 2
FLANGED BALL	4	3/8 X 1 1/4	4	1/2 X 1 1/2	4	5/8 X 1 3/4
FLANGED ROLLER	—	—	4	1/2 X 2	4	1/2 X 2 1/4
PILLOW BLOCK BABBIT	2	3/8 X 1 3/4	2	1/2 X 2	2	5/8 X 2 1/4
PILLOW BLOCK BALL	2	3/8 X 1 3/4	2	1/2 X 2 1/4	2	5/8 X 3
PILLOW BLOCK ROLLER	—	—	2	1/2 X 2 1/2	2	5/8 X 2 3/4
BEARINGS, THRUST						
TYPE H ROLLER			4	3/4 X 2 1/2	4	3/4 X 2 1/2
TYPE M ROLLER W/PLATE SEAL			4	1/2 X 2 3/4	4	1/2 X 2 3/4
TYPE M ROLLER W/WASTE SEAL			4	1/2 X 3 3/4	4	1/2 X 4
COUPLING BOLTS (PER SCREW)	4	3/8 X 2 1/16	4	1/2 X 3	4	5/8 X 3 5/8
PIPE SIZE		1 1/4		2		2 1/2
SEALS, SHAFT						
FLANGED GLAND	—	—	4	1/2 X 1 1/2	4	5/8 X 1 1/2
PLATE ONLY			4	1/2 X 1 1/2	4	5/8 X 1 3/4
PLATE W/BABBIT	—	—	4	1/2 X 2	4	5/8 X 2 1/2
PLATE W/BALL	—	—	4	1/2 X 2 1/4	4	5/8 X 2 1/2
PLATE W/ROLLER	—	—	4	1/2 X 2 3/4	4	1/2 X 2 3/4
SPLIT GLAND #	—	—	2	1/2 X 1 3/4	2	1/2 X 1 3/4
WASTE PACK ONLY			4	1/2 X 2 3/4	4	5/8 X 2 3/4
WASTE PACK W/BABBIT	—	—	4	1/2 X 3 1/2	4	5/8 X 3 3/4
WASTE PACK W/BALL	—	—	4	1/2 X 3	4	5/8 X 3 1/2
WASTE PACK W/ROLLER	—	—	4	1/2 X 3 3/4	4	1/2 X 4

Bolt Requirements

BOLTS REQUIREMENTS RELATED TO CONVEYOR TROUGH SIZES

	4		6		9		10		12	
COMPONENTS	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE
COVERS, TROUGH		3/8 X 1		3/8 X 1		3/8 X 1		3/8 X 1		3/8 X 1
FLANGES, TROUGH										
U-TROUGH	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
FLARED	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
RECTANGULAR	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	10	1/2 X 1 1/4
TUBULAR	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
END PLATES										
U-TROUGH	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
FLARED	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
RECTANGULAR	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	10	1/2 X 1 1/4
TUBULAR	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
INSIDE STD.	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	8	1/2 X 1 1/4
INSIDE RECT.	6	3/8 X 1	6	3/8 X 1	8	3/8 X 1	8	3/8 X 1	10	1/2 X 1 1/4
OUTSIDE DISCH.	2	3/8 X 1	2	3/8 X 1	4	3/8 X 1	4	3/8 X 1	4	1/2 X 1 1/4
FEET - SADDLES	2	3/8 X 1 1/4	2	3/8 X 1 1/4	2	3/8 X 1 1/4	2	3/8 X 1 1/4	2	1/2 X 1 1/2
HANGERS										
STYLE 60	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 70	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 216	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 220	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 226	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 230	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 316	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 326	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
STYLE 370	4	1/4 X 1	4	3/8 X 1	4	3/8 X 1 1/4	4	3/8 X 1 1/4	4	1/2 X 1 1/2
SPOUTS, DISCH.										
FLANGE OR SLIDE	10	3/8 X 1	10	3/8 X 1	10	3/8 X 1	10	3/8 X 1	10	3/8 X 1

Bolt Requirements

BOLT REQUIREMENTS RELATED TO SHAFT COUPLING SIZES

	27/16		3		37/16	
COMPONENTS	NO.	SIZE	NO.	SIZE	NO.	SIZE
BEARINGS, END						
DISCH. BABBIT	3	5/8 x 2 1/4	3	3/4 x 2 1/2	3	3/4 x 2 1/2
DISCH. BALL	3	5/8 x 1 3/4	3	3/4 x 2 1/4	3	3/4 x 2 1/4
FLANGED BABBIT	4	5/8 x 2 1/4	4	3/4 x 2 1/2	4	3/4 x 2 1/2
FLANGED BALL	4	5/8 x 1 3/4	4	3/4 x 2 1/4	4	3/4 x 2 1/4
FLANGED ROLLER	4	5/8 x 2 3/4	4	3/4 x 3	4	3/4 x 3 1/4
PILLOW BLOCK BABBIT	2	5/8 x 2 1/2	2	3/4 x 2 3/4	2	7/8 x 3 1/4
PILLOW BLOCK BALL	2	5/8 x 3	2	7/8 x 4	2	7/8 x 4 1/4
PILLOW BLOCK ROLLER	2	5/8 x 3 1/4	2	3/4 x 3 1/2	2	7/8 x 4
BEARINGS, THRUST						
TYPE H ROLLER	4	3/4 x 2 3/4	4	1 x 3 1/4	4	1 x 3 1/4
TYPE M ROLLER W/PLATE SEAL	4	5/8 x 3 1/4	4	3/4 x 3 1/2	4	3/4 x 3 3/4
TYPE M ROLLER W/WASTE SEAL	4	5/8 x 4 1/2	4	3/4 x 4 3/4	4	3/4 x 5 1/2
COUPLING BOLTS (PER SCREW)	4	5/8 x 4 3/8	4	3/4 x 5	4	7/8 x 5 1/2
PIPE SIZE		3		3 1/2		4
SEALS, SHAFT						
FLANGED GLAND	4	5/8 x 1 3/4	4	3/4 x 1 3/4	4	3/4 x 1 3/4
PLATE ONLY	4	5/8 x 1 3/4	4	3/4 x 2	4	3/4 x 2
PLATE W/BABBIT	4	5/8 x 2 1/2	4	3/4 x 2 3/4	4	3/4 x 3
PLATE W/BALL	4	5/8 x 2 1/2	4	3/4 x 3	4	3/4 x 3
PLATE W/ROLLER	4	5/8 x 3 1/4	4	3/4 x 3 1/2	4	3/4 x 3 3/4
SPLIT GLAND #	2	5/8 x 2	2	5/8 x 2 1/4	2	3/4 x 2 1/2
WASTE PACK ONLY	4	5/8 x 3	4	3/4 x 3	4	3/4 x 3 1/2
WASTE PACK W/BABBIT	4	5/8 x 4	4	3/4 x 4 1/4	4	3/4 x 4 3/4
WASTE PACK W/BALL	4	5/8 x 3 3/4	4	3/4 x 4	4	3/4 x 4 1/2
WASTE PACK W/ROLLER	4	5/8 x 4 1/2	4	3/4 x 4 3/4	4	3/4 x 5 1/2

Bolt Requirements

BOLTS REQUIREMENTS RELATED TO CONVEYOR TROUGH SIZES

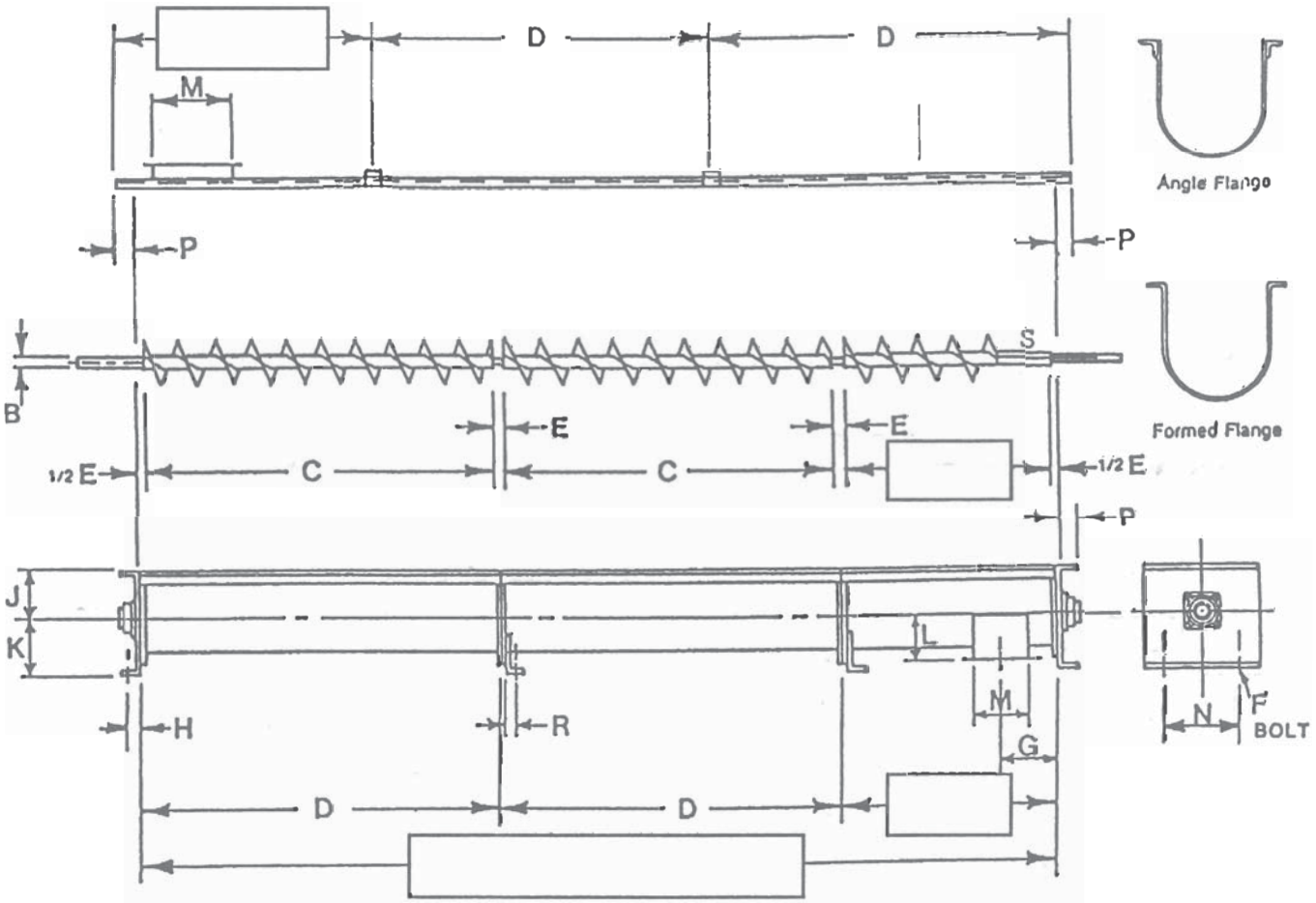
	14		16		18		20		24	
COMPONENTS	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE
COVERS, TROUGH		3/8 x 1		3/8 x 1		3/8 x 1		3/8 x 1		3/8 x 1
FLANGES, TROUGH										
U-TROUGH	8	1/2 x 1 1/4	8	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
FLARED	10	1/2 x 1 1/4	10	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
RECTANGULAR	10	1/2 x 1 1/4	10	5/8 x 1 1/2	12	5/8 x 1 1/2	14	5/8 x 1 1/2	14	5/8 x 1 1/2
TUBULAR	8	1/2 x 1 1/4	8	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
END PLATES										
U-TROUGH	8	1/2 x 1 1/4	8	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
FLARED	10	1/2 x 1 1/4	10	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
RECTANGULAR	10	1/2 x 1 1/4	10	5/8 x 1 1/2	12	5/8 x 1 1/2	14	5/8 x 1 1/2	14	5/8 x 1 1/2
TUBULAR	8	1/2 x 1 1/4	8	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
INSIDE STD.	8	1/2 x 1 1/4	8	5/8 x 1 1/2	10	5/8 x 1 1/2	10	5/8 x 1 1/2	12	5/8 x 1 1/2
INSIDE RECT.	10	1/2 x 1 1/4	10	5/8 x 1 1/2	12	5/8 x 1 1/2	14	5/8 x 1 1/2	14	5/8 x 1 1/2
OUTSIDE DISCH.	4	1/2 x 1 1/4	4	5/8 x 1 1/2	4	5/8 x 1 1/2	4	5/8 x 1 1/2	6	5/8 x 1 1/2
FEET - SADDLES	2	1/2 x 1 1/2	2	5/8 x 1 3/4	2	5/8 x 1 3/4	2	5/8 x 1 3/4	2	5/8 x 1 3/4
HANGERS										
STYLE 60	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 70	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 216	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 220	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 226	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 230	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 316	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 326	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
STYLE 370	4	1/2 x 1 1/2	4	1/2 x 1 1/2	4	5/8 x 1 3/4	4	5/8 x 1 3/4	4	5/8 x 2
SPOUTS, DISCH.										
FLANGE OR SLIDE	16	3/8 x 1	16	3/8 x 1	16	1/2 x 1 1/4	16	1/2 x 1 1/4	16	1/2 x 1 1/4

CARBON STEEL PIPE SCHEDULES

TOP FIGURES = WALL THICKNESS IN INCHES
BOTTOM FIGURES = WEIGHT PER FOOT IN POUNDS

PIPE SIZES	O.D. in INCHES	5	10	20	30	40	STD.	60	80	E.H.	100	120	140	160	DBLE. E.H.
⅛	.405	.035 .1383	.049 .1863			.068 .2447	.068 .2447		.095 .3145	.095 .3145					
¼	.540	.049 .2570	.065 .3297			.088 .4248	.088 .4248		.119 .5351	.119 .5351					
⅜	.675	.049 .3276	.065 .4235			.091 .5676	.091 .5676		.126 .7388	.126 .7388					
½	.840	.065 .5383	.083 .6710			.109 .8510	.109 .8510		.147 1.088	.147 1.088				.187 1.304	.294 1.714
¾	1.050	.065 .6838	.083 .8572			.113 1.131	.113 1.131		.154 1.474	.154 1.474				.218 1.937	.308 2.441
1	1.315	.065 .8678	.109 1.404			.133 1.679	.133 1.679		.179 2.172	.179 2.172				.250 2.844	.358 3.659
1¼	1.660	.065 1.107	.109 1.806			.140 2.273	.140 2.273		.191 2.997	.191 2.997				.250 3.765	.382 5.214
1½	1.900	.065 1.274	.109 2.085			.145 2.718	.145 2.718		.200 3.631	.200 3.631				.281 4.859	.400 6.408
2	2.375	.065 1.604	.109 2.638			.154 3.653	.154 3.653		.218 5.022	.218 5.022				.343 7.444	.436 9.029
2½	2.875	.083 2.475	.120 3.531			.203 5.793	.203 5.793		.276 7.661	.276 7.661				.375 10.01	.552 13.70
3	3.5	.083 3.029	.120 4.332			.216 7.576	.216 7.576		.300 10.25	.300 10.25				.437 14.32	.600 18.58
3½	4.0	.083 3.472	.120 4.973			.226 9.109	.226 9.109		.318 12.51	.318 12.51					.636 22.85
4	4.50	.083 3.915	.120 5.613			.237 10.79	.237 10.79	.281 12.66	.337 14.98	.337 14.98		.437 19.01		.531 22.51	.674 27.54
4½	5.0						.247 12.53			.355 17.61					.710 32.53
5	5.563	.109 6.349	.134 7.770			.258 14.62	.258 14.62		.375 20.78	.375 20.78		.500 27.04		.625 32.96	.750 38.55
6	6.625	.109 7.585	.134 9.289			.280 18.97	.280 18.97		.432 28.57	.432 28.57		.562 36.39		.718 45.30	.864 53.16
7	7.625						.301 23.57			.500 38.05					.875 63.08
8	8.625	.109 9.914	.148 13.40	.250 22.36	.277 24.70	.322 28.55	.322 28.55	.406 35.64	.500 43.39	.500 43.39	.593 50.87	.718 60.93	.812 67.76	.906 74.69	.875 72.42
9	9.625						.342 33.90			.500 48.72					
10	10.75	.134 15.19	.165 18.70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.593 64.33	.500 54.74	.718 76.93	.843 89.20	1.000 104.1	1.125 115.7	
11	11.75						.375 45.55			.500 60.07					
12	12.75	.165 22.18	.180 24.20	.250 33.38	.330 43.77	.406 53.53	.375 49.56	.562 73.16	.687 88.51	.500 65.42	.843 107.2	1.000 125.5	1.125 139.7	1.312 160.3	
14	14.0		.250 36.71	.312 45.68	.375 54.57	.437 63.37	.375 54.57	.593 84.91	.750 106.1	.500 72.09	.937 130.7	1.093 150.7	1.250 170.2	1.406 189.1	
16	16.0		.250 42.05	.312 52.36	.375 62.58	.500 82.77	.375 62.58	.656 107.5	.843 136.5	.500 82.77	1.031 164.8	1.218 192.3	1.437 223.5	1.593 245.1	
18	18.0		.250 47.39	.312 59.03	.437 82.06	.562 104.3	.375 70.59	.750 138.2	.937 170.8	.500 93.45	1.156 203.0	1.375 244.1	1.562 274.2	1.781 308.5	
20	20.0		.250 52.73	.375 78.60	.500 104.1	.593 122.9	.375 78.60	.812 166.4	1.031 208.9	.500 104.1	1.280 256.1	1.500 296.4	1.750 341.1	1.968 379.0	
24			.250 63.42	.375 94.62	.562 140.8	.687 171.2	.375 94.62	.968 238.1	1.218 296.4	.500 125.5	1.533 367.4	1.812 429.4	2.062 483.1	2.343 541.9	

Conveyor Layout - Trough Type



A Screw Diam.	B Cplng. Diam.	C Length Ft. - In.	D Length Ft. - In.	E	Foot Bolt F	G	H	J	K	L	M	N	P	R	S Bare Pipe
4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	3 5/8	4 5/8	3 3/4	5	5 3/4	1 7/16	7/8	5
6	1 1/2	9-10	10	2	3/8	6	1	4 1/2	5 5/8	5	7	8 1/8	1 1/2	13/16	7
9	1 1/2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16	10
9	2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16	10
10	1 1/2	9-10	10	2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16	11
10	2	9-10	10	2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16	11
12	2	11-10	12	2	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
12	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
12	3	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8	14
14	3	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8	14
16	3	11-9	12	3	5/8	13 1/2	2	10 5/8	12	11 1/8	17	14 7/8	2 1/2	1 3/4	16
18	3	11-9	12	3	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4	18
18	3 7/16	11-8	12	4	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4	18
20	3	11-9	12	3	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2	20
20	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2	20
24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	16 1/2	18 1/8	15 3/8	25	20	2 1/2	2 1/4	24

INDUSTRIAL SCREW CONVEYORS, INC.
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• Burleson, Tx.
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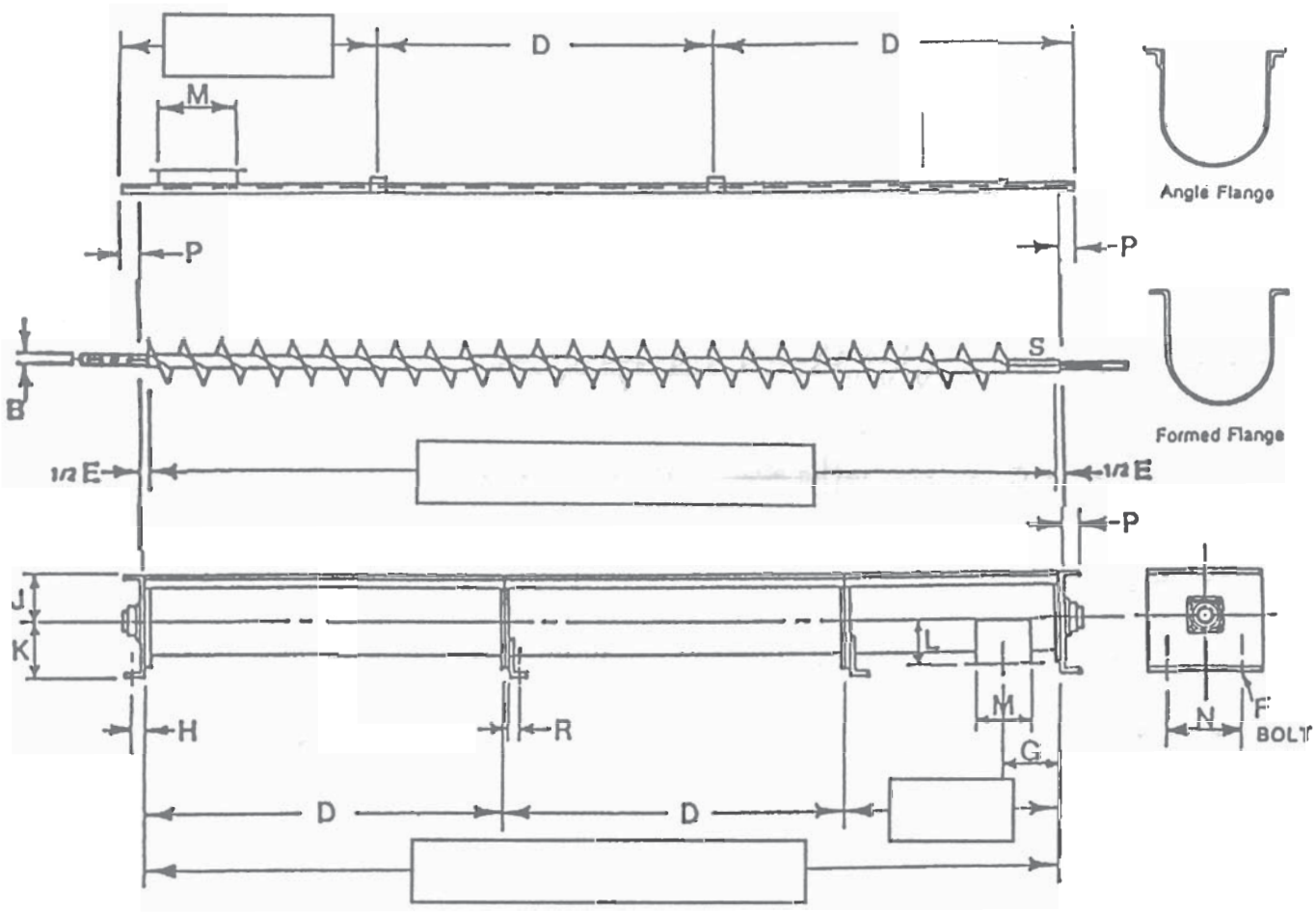
Conveyor Layout - Trough Type



A Screw Diam.	B Cping. Diam.	C Length Ft. - In.	D Length Ft. - In.	E	Foot Bolt F	G	H	J	K	L	M	N	P	R
4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	3 5/8	4 5/8	3 3/4	5	5 3/4	1 7/16	7/8
6	1 1/2	9-10	10	2	3/8	6	1	4 1/2	5 5/8	5	7	8 1/8	1 1/2	13/16
9	1 1/2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16
9	2	9-10	10	2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16
10	1 1/2	9-10	10	2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16
10	2	9-10	10	2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16
12	2	11-10	12	2	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
12	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
12	3	11-9	12	3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	1 3/8
14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8
14	3	11-9	12	3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	1 3/8
16	3	11-9	12	3	5/8	13 1/2	2	10 5/8	12	11 1/8	17	14 7/8	2 1/2	1 3/4
18	3	11-9	12	3	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4
18	3 7/16	11-8	12	4	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4
20	3	11-9	12	3	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2
20	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2
24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	16 1/2	18 1/8	15 3/8	25	20	2 1/2	2 1/4

INDUSTRIAL SCREW CONVEYORS, INC.
4133 Conveyor Drive - 76028
• Burleson, Tx.
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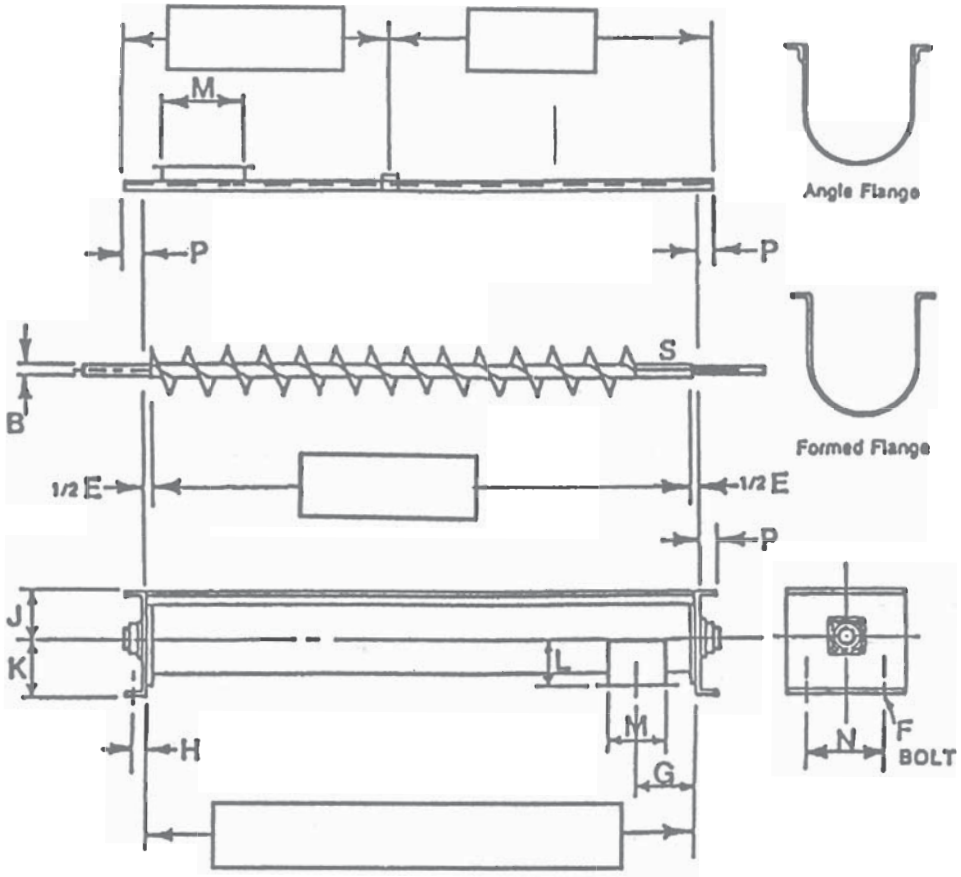
Conveyor Layout Through Type



A Screw Diam.	B Cplng. Diam.	C Length Ft. - In.	D Length Ft. - In.	E	Foot Bolt F	G	H	J	K	L	M	N	P	S Bare Pipe
4	1			1 1/2	3/8	4 1/2	1	3 5/8	4 5/8	3 3/4	5	5 3/4	1 7/16	5
6	1 1/2			2	3/8	6	1	4 1/2	5 5/8	5	7	8 1/8	1 1/2	7
9	1 1/2			2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	10
9	2			2	1/2	8	1 1/2	6 1/8	7 7/8	7 1/8	10	9 3/8	1 5/8	10
10	1 1/2			2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	11
10	2			2	1/2	9	1 3/4	6 3/8	8 7/8	7 7/8	11	9 1/2	1 3/4	11
12	2			2	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	13
12	2 7/16			3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	13
12	3			3	5/8	10 1/2	1 5/8	7 3/4	9 5/8	8 7/8	13	12 1/4	2	13
14	2 7/16			3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	14
14	3			3	5/8	11 1/2	1 5/8	9 1/4	10 7/8	10 1/8	15	13 1/2	2	14
16	3			3	5/8	13 1/2	2	10 5/8	12	11 1/8	17	14 7/8	2 1/2	16
18	3			3	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	18
18	3 7/16			4	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	18
20	3			3	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	20
20	3 7/16			4	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	20
24	3 7/16			4	3/4	17 1/2	2 1/2	16 1/2	18 1/8	15 3/8	25	20	2 1/2	24

INDUSTRIAL SCREW CONVEYORS, INC.
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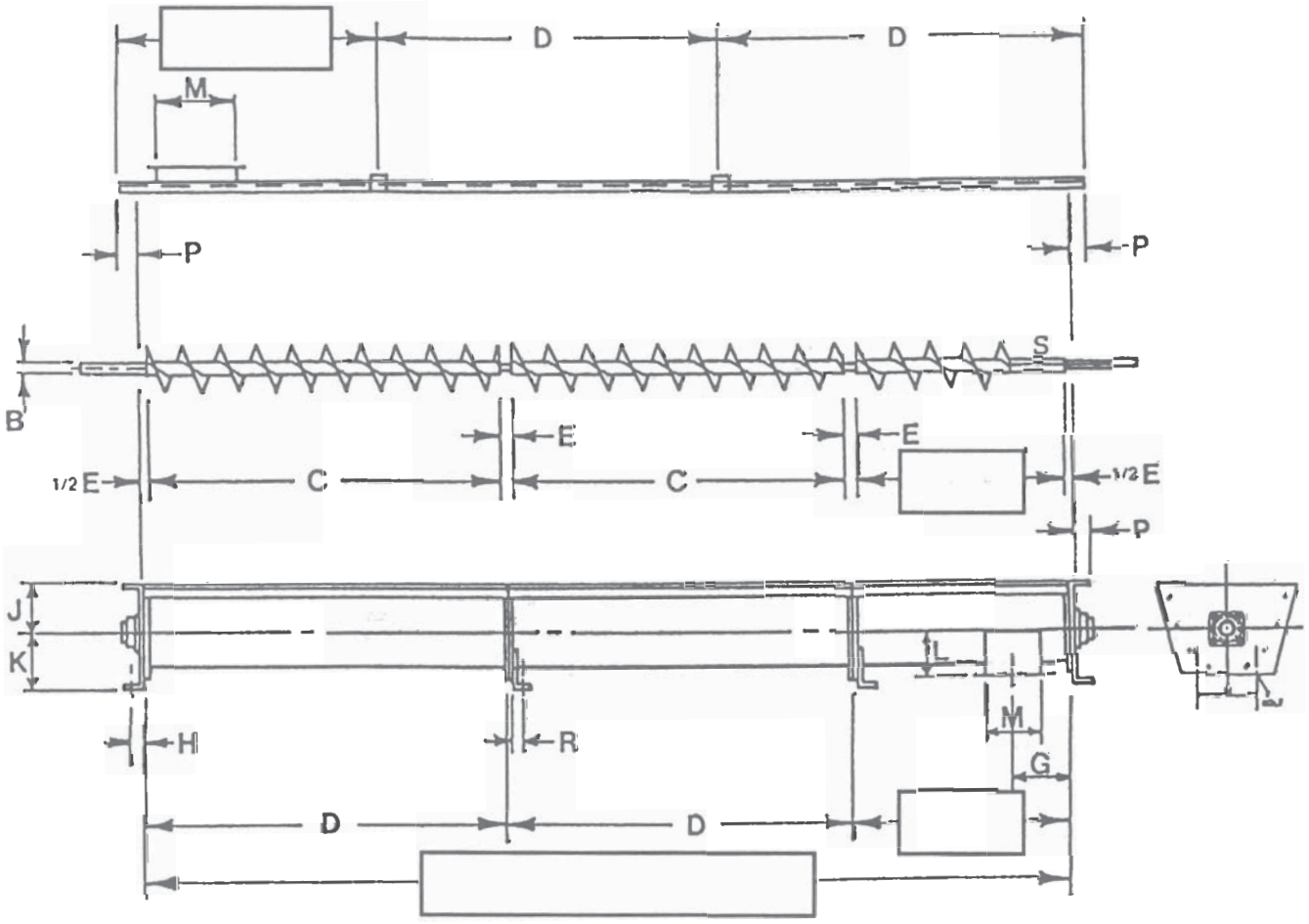
Conveyor [illegible]h Type



A Screw Diam.	B Cping. Diam.	C Length Ft. - In.	D Length Ft. - In.	E	Foot Bolt F	G	H	J	K	L	M	N	P	R	S Bare Pipe
4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	5 3/8	4 5/8	3 3/4	5	5 3/4	1 7/16	7/8	5
6	1 1/2	9-10	10	2	3/8	6	1	7	5 5/8	5	7	8 1/8	1 1/2	13/16	7
9	1 1/2	9-10	10	2	1/2	8	1 1/2	9	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16	10
9	2	9-10	10	2	1/2	8	1 1/2	9	7 7/8	7 1/8	10	9 3/8	1 5/8	1 5/16	10
10	1 1/2	9-10	10	2	1/2	9	1 3/4	9 1/2	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16	11
10	2	9-10	10	2	1/2	9	1 3/4	9 1/2	8 7/8	7 7/8	11	9 1/2	1 3/4	1 9/16	11
12	2	11-10	12	2	5/8	10 1/2	1 5/8	10	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
12	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	10	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
12	3	11-9	12	3	5/8	10 1/2	1 5/8	10	9 5/8	8 7/8	13	12 1/4	2	1 3/8	13
14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	11	10 7/8	10 1/8	15	13 1/2	2	1 3/8	14
14	3	11-9	12	3	5/8	11 1/2	1 5/8	11	10 7/8	10 1/8	15	13 1/2	2	1 3/8	14
16	3	11-9	12	3	5/8	13 1/2	2	11 1/2	12	11 1/8	17	14 7/8	2 1/2	1 3/4	16
18	3	11-9	12	3	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4	18
18	3 7/16	11-8	12	4	5/8	14 1/2	2	12 1/8	13 3/8	12 3/8	19	16	2 1/2	1 3/4	18
20	3	11-9	12	3	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2	20
20	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	13 1/2	15	13 3/8	21	19 1/4	2 1/2	2	20
24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	16 1/2	18 1/8	15 3/8	25	20	2 1/2	2 1/4	24

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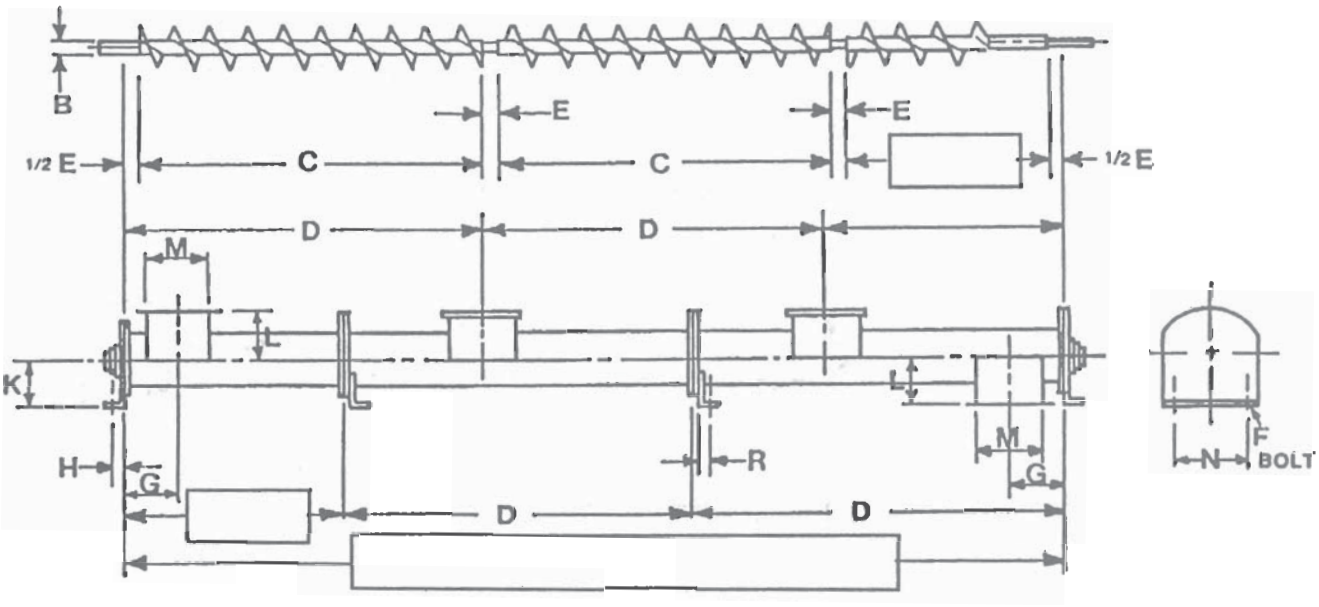
Conveyor Layout - Tubular Housing Type



STANDARD

ANGLE FLANGE

FORMED FLANGE

	A Screw Diam.	B Cping. Diam.	C Length Ft.-In.	D Length Ft.-In.	E	Foot Bolt F	G	H	K	L	M	N	R	S Bare Pipe
	4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	4 5/8	3 3/4	5	5 3/4	7/8	5
	6	1 1/2	9-10	10	2	3/8	6	1	5 5/8	5	7	8 1/8	13/16	7
	9	1 1/2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16	10
	9	2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16	10
	10	1 1/2	9-10	10	2	1/2	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16	11
	10	2	9-10	10	2	1/2	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16	11
	12	2	11-10	12	2	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	12	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	12	3	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8	14
	14	3	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8	14
	16	3	11-9	12	3	5/8	13 1/2	2	12	11 1/8	17	14 7/8	1 3/4	16
	18	3	11-9	12	3	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4	18
	18	3 7/16	11-8	12	4	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4	18
	20	3	11-9	12	3	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2	20
	20	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2	20
	24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	18 1/8	15 3/8	25	20	2 1/4	24

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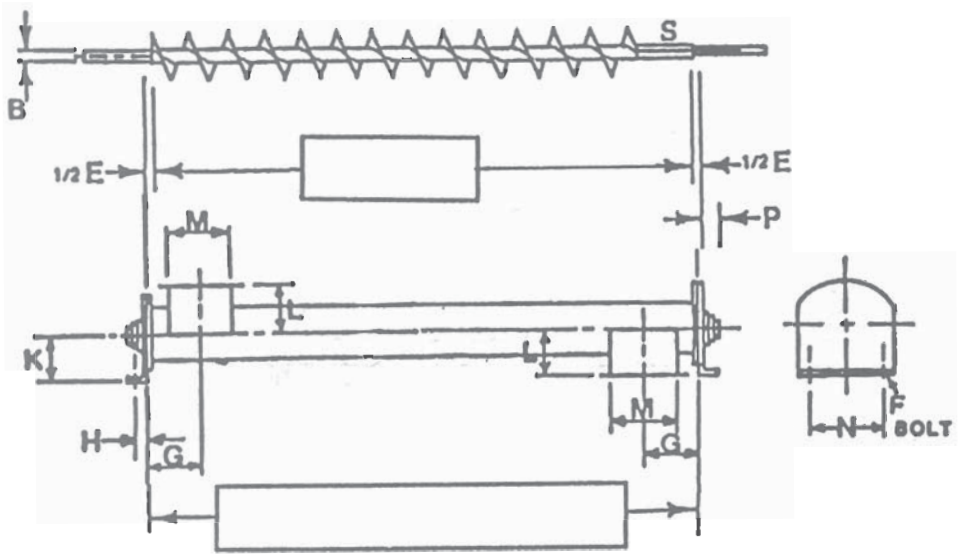
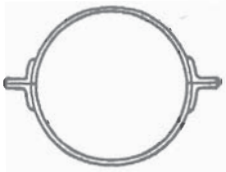
Conveyor [illegible] using Type



STANDARD ☐



ANGLE FLANGE ☐

FORMED FLANGE ☐

	A Screw Diam.	B Cplng. Diam.	C Length Ft. - In.	D Length Ft. - In.	E	Foot Bolt F	G	H	K	L	M	N	R	S Bare Pipe
	4	1	9-10 1/2	10	1 1/2	3/8	4 1/2	1	4 5/8	3 3/4	5	5 3/4	7/8	5
	6	1 1/2	9-10	10	2	3/8	6	1	5 5/8	5	7	8 1/8	13/16	7
	9	1 1/2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16	10
	9	2	9-10	10	2	1/2	8	1 1/2	7 7/8	7 1/8	10	9 3/8	15/16	10
	10	1 1/2	9-10	10	2	1/2	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16	11
	10	2	9-10	10	2	1/2	9	1 3/4	8 7/8	7 7/8	11	9 1/2	1 9/16	11
	12	2	11-10	12	2	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	12	2 7/16	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	12	3	11-9	12	3	5/8	10 1/2	1 5/8	9 5/8	8 7/8	13	12 1/4	1 3/8	13
	14	2 7/16	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8	14
	14	3	11-9	12	3	5/8	11 1/2	1 5/8	10 7/8	10 1/8	15	13 1/2	1 3/8	14
	16	3	11-9	12	3	5/8	13 1/2	2	12	11 1/8	17	14 7/8	1 3/4	16
	18	3	11-9	12	3	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4	18
	18	3 7/16	11-8	12	4	5/8	14 1/2	2	13 3/8	12 3/8	19	16	1 3/4	18
	20	3	11-9	12	3	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2	20
	20	3 7/16	11-8	12	4	3/4	15 1/2	2 1/4	15	13 3/8	21	19 1/4	2	20
	24	3 7/16	11-8	12	4	3/4	17 1/2	2 1/2	18 1/8	15 3/8	25	20	2 1/4	24

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COMPONENT CODE INDEX

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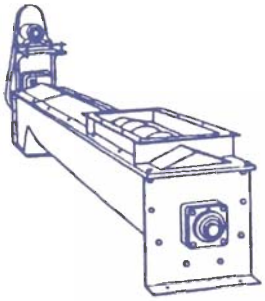
Stainless Steel Specialists

Certified Welders



Complete Units

STANDARDIZED

4" thru 36"

EXTRA HEAVY DUTY UNITS AVAILABLE

WE OFFER

Service - Quality - Experience

Skilled Screw Conveyor Personnel

Custom Manufacturing
to Customer Requirements

Approval Drawings on Request

CAPABILITIES

*Materials
Mild Steel, Stainless Steel,
AR Plate, and Special Alloys

*Fabrication
Cutting, Bending, Rolling,
Machining, and Welding

*Polishing/Finishing

YOU NEED IT..
WE'LL BUILD IT!

WE MANUFACTURE

*Screw Conveyors
*Screw Feeders
*Mixing Conveyors
*Drag Conveyors
*Mixers - Ribbon & Paddle
*Hoppers, Bins & Chutes
*Gates
*Replacement Parts
Troughs, Screws, Shafts, Hangers & Accessories
SPECIALITY CONVEYOR SCREWS
MIXING REELS
FLIGHTS & FLIGHTING

FACILITIES

Plant Area - 72,000 sq. ft. under roof

Machinery & Tooling

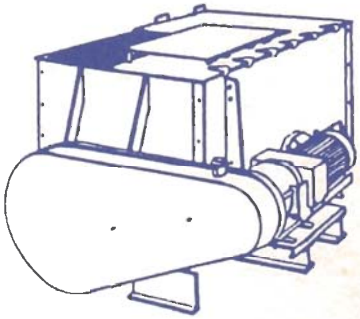
Conveyor Screw Dept.

Sawing Dept.

Machine Shop

Fabrication Dept.

Assembly Dept.



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