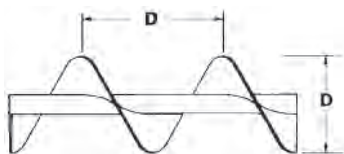


Conveyor Screws

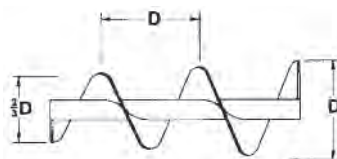
Martin

STANDARD PITCH, SINGLE FLIGHT



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

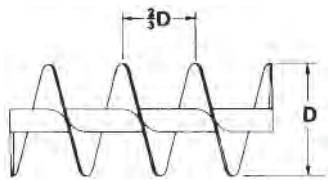
TAPERED, STANDARD PITCH, SINGLE FLIGHT



Price on Application

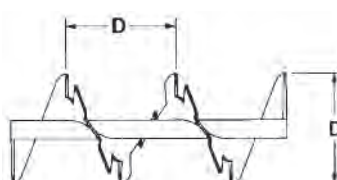
Screw flights increase from $\frac{2}{3}$ to full diameter. Used in screw feeders to provide uniform withdrawal of lumpy materials. Generally equivalent to and more economical than variable pitch.

SHORT PITCH, SINGLE FLIGHT



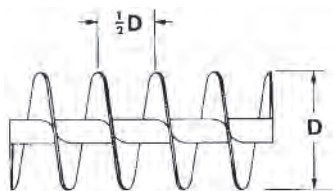
Flight pitch is reduced to $\frac{2}{3}$ diameter. Recommended for inclined or vertical applications. Used in screw feeders. Shorter pitch reduces flushing of materials which fluidize.

SINGLE CUT-FLIGHT, STANDARD PITCH



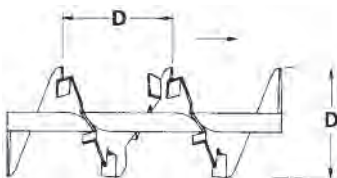
Screws are notched at regular intervals at outer edge. Affords mixing action and agitation of material in transit. Useful for moving materials which tend to pack.

HALF PITCH, SINGLE FLIGHT



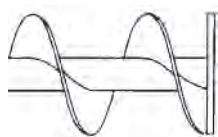
Similar to short pitch except pitch is reduced to $\frac{1}{2}$ standard pitch. Useful for inclined applications, for screw feeders and for handling extremely fluid materials.

CUT & FOLDED FLIGHT, STANDARD PITCH



Folded flight segments lift and spill the material. Partially retarded flow provides thorough mixing action. Excellent for heating, cooling or aerating light substances.

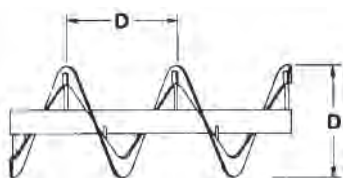
END DISC ON CONVEYOR SCREW



Price on Application

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.

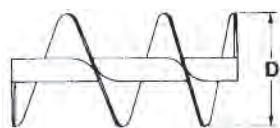
SINGLE FLIGHT RIBBON



Price on Application

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

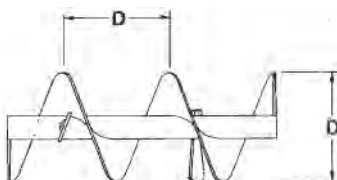
VARIABLE PITCH, SINGLE FLIGHT



Price on Application

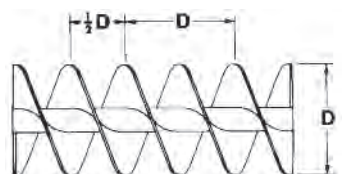
Flights have increasing pitch and are used in screw feeders to provide uniform withdrawal of fine, free flowing materials over the full length of the inlet opening.

STANDARD PITCH WITH PADDLES



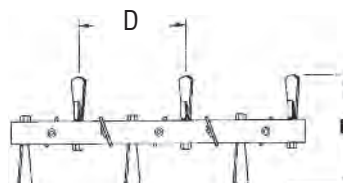
Adjustable paddles positioned between screw flights opposed flow to provide gentle but thorough mixing action.

DOUBLE FLIGHT, STANDARD PITCH



Double flight, standard pitch screws provide smooth regular material flow and uniform movement of certain types or materials.

PADDLE



Adjustable paddles provide complete mixing action, and controlled material flow.

Helicoid flights are formed in a special rolling machine by forming a steel strip into a continuous one-piece helix of the desired diameter, pitch and thickness to fit conveyor screw pipes. The helicoid flight is tapered in cross section, with the thickness at the inner edge approximately twice the thickness of the outer edge.

Sectional flights are individual flights or turns blanked from steel plates and formed into a spiral or helix of the desired diameter and pitch to fit conveyor screw pipes. The flights are butt welded together to form a continuous conveyor screw. Modifications can be furnished, such as, fabrication from various metals, different flight thicknesses, other diameters and pitches. The butt weld flight is the same thickness in the full cross section.



Helicoid Flight



Sectional Flight

Key to Conveyor Size Designation

The letter "H" indicates screw conveyor with helicoid flighting. The figures to the left of the letters indicate the nominal outside diameter of the conveyor in inches. The first figure following the letters is twice the diameter of the couplings in inches. The last two figures indicate the nominal thickness of flighting at the outer edge in $\frac{1}{64}$ ". Thus conveyor 12H408 indicates 12" diameter helicoid conveyor for 2" couplings with flighting $\frac{3}{64}$ " or $\frac{1}{8}$ " thickness at outer edge. Hand of conveyor is indicated by "R" or "L" following the designation.

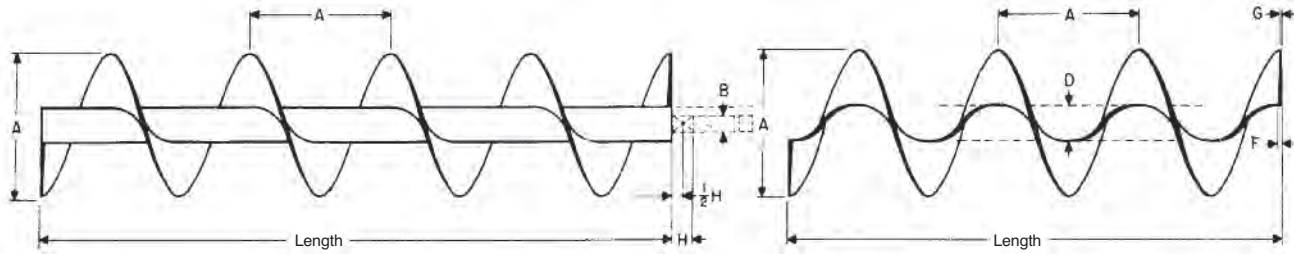
Comparison Table • helicoid flight and sectional flight conveyor screws

Screw Diameter, Inches	Helicoid Flight						Sectional Flight			
	Conveyor Screw Size Designation ▲	Former Designation	Coupling Diameter, Inches	Nominal Inside Diameter of Pipe, Inches	Thickness of Flight, Inches		Conveyor Screw Size Designation ▲	Coupling Diameter, Inches	Nominal Inside Diameter of Pipe, Inches	Thickness of Flight
					Inner Edge	Outer Edge				
4	4H206	4X	1	1 $\frac{1}{2}$	$\frac{3}{16}$	$\frac{3}{32}$				
6	6H304 6H308 6H312	6 Standard 6 X 6 XX	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	2 2 2	$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$	$\frac{1}{16}$ $\frac{1}{8}$ $\frac{1}{4}$	6S309 6S312	1 $\frac{1}{2}$ 1 $\frac{1}{2}$	2 2	10 ga. $\frac{3}{16}$ in.
9	9H306 9H406 9H312 9H412 9H414	9 Standard 9 Special 9 X 9 XX —	1 $\frac{1}{2}$ 2 1 $\frac{1}{2}$ 2 2	2 2 $\frac{1}{2}$ 2 2 $\frac{1}{2}$ 2 $\frac{1}{2}$	$\frac{3}{16}$ $\frac{3}{16}$ $\frac{3}{8}$ $\frac{3}{8}$ $\frac{7}{16}$	$\frac{3}{32}$ $\frac{3}{32}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{3}{32}$	9S307 9S407 9S312 9S412 9S416	1 $\frac{1}{2}$ 2 1 $\frac{1}{2}$ 2 2	2 2 $\frac{1}{2}$ 2 2 $\frac{1}{2}$ 2 $\frac{1}{2}$	12 ga. 12 ga. $\frac{3}{16}$ in. $\frac{3}{16}$ in. $\frac{1}{4}$ in.
10	10H306 10H412	10 Standard 10 XX	1 $\frac{1}{2}$ 2	2 2 $\frac{1}{2}$	$\frac{3}{16}$ $\frac{3}{8}$	$\frac{3}{32}$ $\frac{1}{8}$	10S309 10S412	1 $\frac{1}{2}$ 2	2 2 $\frac{1}{2}$	10 ga. $\frac{3}{16}$ in.
12	12H408 12H508 12H412 12H512 12H614	12 Standard 12 Special 12 X 12 XX —	2 2 $\frac{1}{16}$ 2 2 $\frac{1}{16}$ 3	2 $\frac{1}{2}$ 3 2 $\frac{1}{2}$ 3 3 $\frac{1}{2}$	$\frac{1}{4}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{3}{8}$ $\frac{7}{16}$	$\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{7}{32}$	12S409 12S509 12S412 12S512 12S616	2 2 $\frac{1}{16}$ 2 2 $\frac{1}{16}$ 3	2 $\frac{1}{2}$ 3 2 $\frac{1}{2}$ 3 3 $\frac{1}{2}$	10 ga. 10 ga. $\frac{3}{16}$ in. $\frac{3}{16}$ in. $\frac{1}{4}$ in.
14	14H508 14H614	14 Standard 14 XX	2 $\frac{1}{16}$ 3	3 3 $\frac{1}{2}$	$\frac{1}{4}$ $\frac{7}{16}$	$\frac{1}{8}$ $\frac{7}{32}$	14S509 14S616	2 $\frac{1}{16}$ 3	3 3 $\frac{1}{2}$	10 ga. $\frac{1}{4}$ in.
16	16H610 16H614	16 Standard —	3 3	3 $\frac{1}{2}$ 4	$\frac{3}{16}$ $\frac{7}{16}$	$\frac{3}{32}$ $\frac{7}{32}$	16S609 16S616	3 3	3 $\frac{1}{2}$ 3 $\frac{1}{2}$	10 ga. $\frac{1}{4}$ in.

▲ Size designation: Examples: 12H412 and 12S412.
 12 = screw diameter in inches
 H = helicoid flight
 S = sectional flight
 4 = 2 times 2" coupling diameter
 12 = thickness of flight at periphery in increments of $\frac{1}{64}$ "

Conveyor Screws (Helicoid)

Martin



Helicoid Conveyor Screw

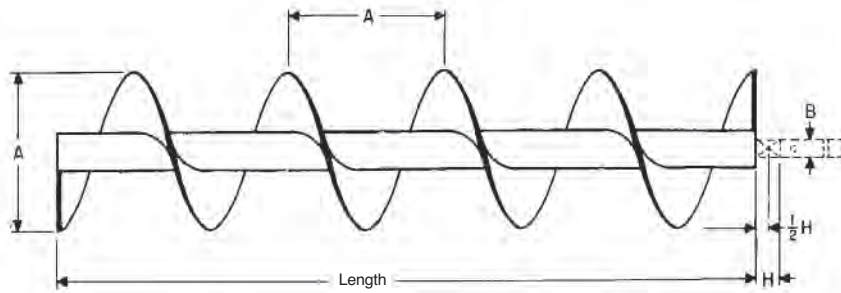
Flighting

Screw Diameter	Coupling Diameter	Size Part No. Conveyor Mounted	Size Part No. Flighting Only	D Pipe Size		Flight Thickness		Coupling Bearing Length	Standard Length Feet-Inches	Average Weight			
										Complete Screw		Flighting Only	
				Nominal Inside	Outside	F Inside	G Outside			Standard Length	Per Foot	Standard Length	Per Foot
4	1	4H206-*	4HF206-*	1%	1%	3/16	3/32	1 1/2	9-10 1/2	40	4	16	1.3
6	1 1/2	6H304-*	6HF304-*	2	2%	1/8	1/16	2	9-10	52	5	14	1.4
	1 1/2	6H308-*	6HF308-*	2	2%	1/4	1/8	2	9-10	62	6	28	2.8
	1 1/2	6H312-*	6HF312-*	2	2%	3/8	3/16	2	9-10	72	7	42	4.3
9	1 1/2	9H306-*	9HF306-*	2	2%	3/16	3/32	2	9-10	70	7	31	3.2
	1 1/2	9H312-*	9HF312-*	2	2%	3/8	3/16	2	9-10	101	10	65	6.1
	2	9H406-*	9HF406-*	2 1/2	2%	3/16	3/32	2	9-10	91	9	30	3.0
	2	9H412-*	9HF412-*	2 1/2	2%	3/8	3/16	2	9-10	121	12	60	6.6
	2	9H414-*	9HF414-*	2 1/2	2%	7/16	7/32	2	9-10	131	13	70	6.3
10	1 1/2	10H306-*	10HF306-*	2	2%	3/16	3/32	2	9-10	81	8	48	4.9
	2	10H412-*	10HF412-*	2 1/2	2%	3/8	3/16	2	9-10	130	13	76	7.7
12	2	12H408-*	12HF408-*	2 1/2	2%	1/4	1/8	2	11-10	140	12	67	5.7
	2	12H412-*	12HF412-*	2 1/2	2%	3/8	3/16	2	11-10	180	15	102	8.6
	2 1/8	12H508-*	12HF508-*	3	3 1/2	1/4	1/8	3	11-9	168	14	64	5.4
	2 1/8	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	112	9.3
14	2 1/8	14H508-*	14HF508-*	3	3 1/2	1/4	1/8	3	11-9	170	14	84	7.1
	3	14H614-*	14HF614-*	3 1/2	4	7/16	7/32	3	11-9	254	22	132	11.2
16	3	16H610-*	16HF610-*	3 1/2	4	5/16	5/32	3	11-9	228	19	120	10.0
	▲	16H614-*	16HF614-*	4	4 1/2	7/16	7/32	3	11-9	285	24	154	11.7
18 ▲	3	18H610-*	18HF610-*	3 1/2	4	5/16	5/32	3	11-9	282	24	167	13.9

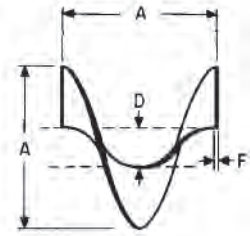
—* R For Right Hand

—* L For Left Hand

▲ Offered only in full pitch helicoid flighting.



Sectional Conveyor Screw



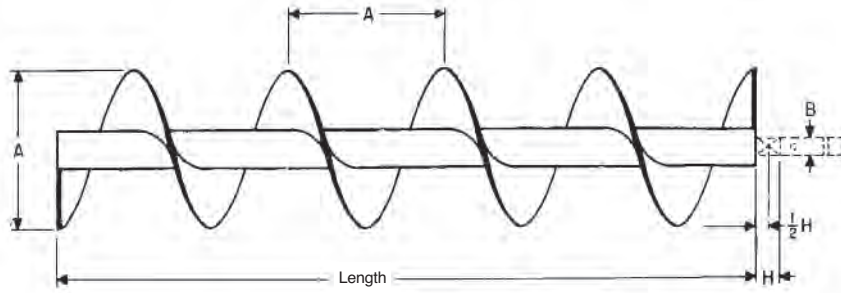
Flight

A	B	Size Part No. Mounted Conveyor	Size Part No. Flighting Only	Pipe Size		F	H	Standard Length Feet-Inches	Average Weight			Approx. Flights Per Foot
				Nominal Inside	D Outside				Standard Length	Per Foot	Flight Each	
6	1½	6S312-*	6SF312-*	2	2⅝	⅜	2	9-10	75	7.5	1.7	2.0
	1½	6S316-*	6SF316-*	2	2⅝	¼	2	9-10	90	8.0	2.2	2.0
9	1½	9S312-*	9SF312-*	2	2⅝	⅜	2	9-10	95	9.5	4.3	1.33
	1½	9S316-*	9SF316-*	2	2⅝	¼	2	9-10	130	13.0	5.5	1.33
	1½	9S324-*	9SF324-*	2	2⅝	⅜	2	9-10	160	16.0	7.9	1.33
	2	9S412-*	9SF412-*	2½	2⅝	⅜	2	9-10	115	11.5	4.3	1.33
	2	9S416-*	9SF416-*	2½	2⅝	¼	2	9-10	130	13.0	5.5	1.33
	2	9S424-*	9SF424-*	2½	2⅝	⅜	2	9-10	160	16.0	7.9	1.33
10	1½	10S312-*	10SF312-*	2	2⅝	⅜	2	9-10	120	12.0	5.0	1.2
	1½	10S316-*	10SF316-*	2	2⅝	¼	2	9-10	135	13.5	6.7	1.2
	1½	10S324-*	10SF324-*	2	2⅝	⅜	2	9-10	165	16.5	8.7	1.2
	2	10S412-*	10SF412-*	2½	2⅝	⅜	2	9-10	120	12.0	5.0	1.2
	2	10S416-*	10SF416-*	2½	2⅝	¼	2	9-10	135	13.5	6.7	1.2
	2	10S424-*	10SF424-*	2½	2⅝	⅜	2	9-10	165	16.5	8.7	1.2
12	2	12S412-*	12SF412-*	2½	2⅝	⅜	2	11-10	156	13.0	7.2	1.0
	2	12S416-*	12SF416-*	2½	2⅝	¼	2	11-10	204	17.0	9.7	1.0
	2	12S424-*	12SF424-*	2½	2⅝	⅜	2	11-10	268	22.3	12.7	1.0
	2⅞	12S509-*	12SF509-*	3	3½	10 Ga.	3	11-9	160	14.0	5.7	1.0
	2⅞	12S512-*	12SF512-*	3	3½	⅜	3	11-9	178	14.8	7.2	1.0
	2⅞	12S516-*	12SF516-*	3	3½	¼	3	11-9	210	17.5	9.7	1.0
	2⅞	12S524-*	12SF524-*	3	3½	⅜	3	11-9	274	22.5	12.7	1.0
	3	12S612-*	12SF612-*	3½	4	⅜	3	11-9	198	16.5	7.2	1.0
	3	12S616-*	12SF616-*	3½	4	¼	3	11-9	216	18.0	9.7	1.0
	3	12S624-*	12SF624-*	3½	4	⅜	3	11-9	280	24.0	12.7	1.0

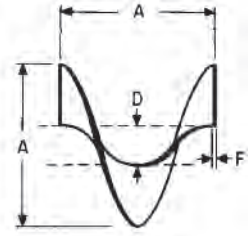
—* R For Right Hand
—* L For Left Hand

Conveyor Screws (Sectional)

Martin



Sectional Conveyor Screw



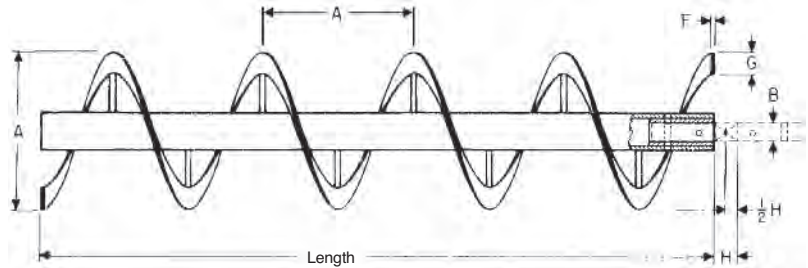
Flight

A Screw Diameter	B Coupling Diameter	Size Part No. Mounted Conveyor	Size Part No. Fighting Only	Pipe Size		F Flight Thickness	H Coupling Bearing Length	Standard Length Feet-Inches	Average Weight			Approx. Flights Per Foot
				Nominal Inside	D Outside				Standard Length	Per Foot	Flight Each	
14	2 ⁷ / ₁₆	14S512-*	14SF512-*	3	3 ¹ / ₂	3 ⁷ / ₁₆	3	11-9	214	18.0	9.9	.86
	2 ⁷ / ₁₆	14S516-*	14SF516-*	3	3 ¹ / ₂	1 ¹ / ₄	3	11-9	240	20.0	13.2	.86
	2 ⁷ / ₁₆	14S524-*	14SF524-*	3	3 ¹ / ₂	3 ⁷ / ₁₆	3	11-9	330	27.5	19.8	.86
	3	14S612-*	14SF612-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	222	19.0	9.9	.86
	3	14S616-*	14SF616-*	3 ¹ / ₂	4	1 ¹ / ₄	3	11-9	246	21.0	13.2	.86
	3	14S624-*	14SF624-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	342	29.0	19.8	.86
16	3	16S612-*	16SF612-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	234	20.0	14.0	.75
	3	16S616-*	16SF616-*	3 ¹ / ₂	4	1 ¹ / ₄	3	11-9	282	24.0	18.0	.75
	3	16S624-*	16SF624-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	365	31.0	25.5	.75
	3	16S632-*	16SF632-*	3 ¹ / ₂	4	1 ¹ / ₂	3	11-9	402	33.5	36.0	.75
18	3	18S612-*	18SF612-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	246	21.0	18.0	.67
	3	18S616-*	18SF616-*	3 ¹ / ₂	4	1 ¹ / ₄	3	11-9	294	25.0	24.0	.67
	3	18S624-*	18SF624-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	425	36.0	34.5	.67
	3	18S632-*	18SF632-*	3 ¹ / ₂	4	1 ¹ / ₂	3	11-9	530	44.0	46.0	.67
	3 ⁷ / ₁₆	18S712-*	18SF712-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	293	24.4	18.0	.67
	3 ⁷ / ₁₆	18S716-*	18SF716-*	4	4 ¹ / ₂	1 ¹ / ₄	4	11-8	345	28.8	24.0	.67
	3 ⁷ / ₁₆	18S724-*	18SF724-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	470	39.2	34.5	.67
	3 ⁷ / ₁₆	18S732-*	18SF732-*	4	4 ¹ / ₂	1 ¹ / ₂	4	11-8	570	47.5	46.0	.67
20	3	20S612-*	20SF612-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	300	26.0	20.0	.60
	3	20S616-*	20SF616-*	3 ¹ / ₂	4	1 ¹ / ₄	3	11-9	360	31.0	28.0	.60
	3	20S624-*	20SF624-*	3 ¹ / ₂	4	3 ⁷ / ₁₆	3	11-9	410	33.4	40.0	.60
	3	20S632-*	20SF632-*	3 ¹ / ₂	4	1 ¹ / ₂	3	11-9	506	42.2	56.0	.60
	3 ⁷ / ₁₆	20S712-*	20SF712-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	310	27.0	20.0	.60
	3 ⁷ / ₁₆	20S716-*	20SF716-*	4	4 ¹ / ₂	1 ¹ / ₄	4	11-8	370	32.0	28.0	.60
	3 ⁷ / ₁₆	20S724-*	20SF724-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	475	40.0	40.0	.60
	3 ⁷ / ₁₆	20S732-*	20SF732-*	4	4 ¹ / ₂	1 ¹ / ₂	4	11-8	525	45.0	56.0	.60
24	3 ⁷ / ₁₆	24S712-*	24SF712-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	440	37.0	32.0	.50
	3 ⁷ / ₁₆	24S716-*	24SF716-*	4	4 ¹ / ₂	1 ¹ / ₄	4	11-8	510	43.0	42.0	.50
	3 ⁷ / ₁₆	24S724-*	24SF724-*	4	4 ¹ / ₂	3 ⁷ / ₁₆	4	11-8	595	50.0	63.0	.50
	3 ⁷ / ₁₆	24S732-*	24SF732-*	4	4 ¹ / ₂	1 ¹ / ₂	4	11-8	690	60.0	84.0	.50

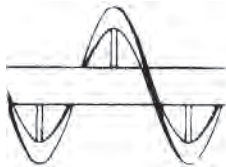
-* R For Right Hand
-* L For Left Hand

CONVEYORS

Ribbon flight conveyor screws consist of sectional flights, butt welded together to form a continuous helix. Flights are secured to the pipe by supporting legs. Both ends of the pipe are prepared with internal collars and drilling to accept couplings, drive shafts, and end shafts. They are used to convey sticky, gummy, or viscous substances, or where the material tends to adhere to flighting and pipe.

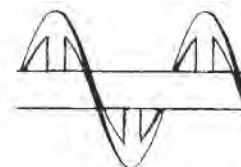


Ribbon Conveyor Screw



Post

**Integral (Int)
Leg**

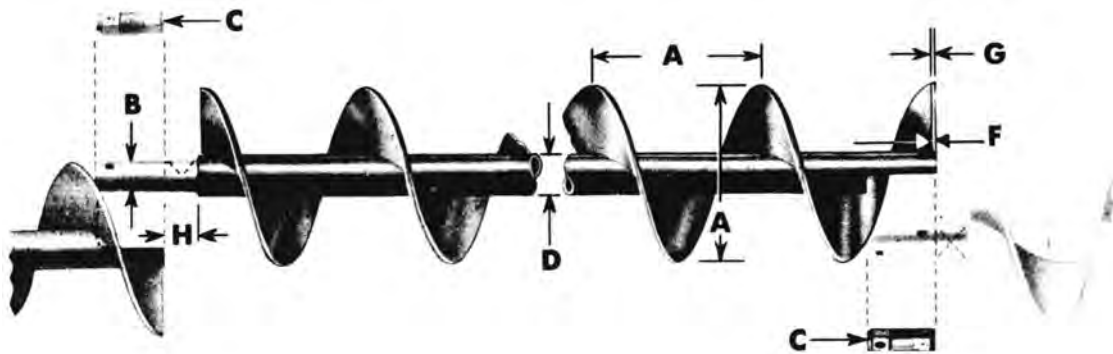


A Screw Diameter	B Coupling Diameter	Size Part No. Mounted Conveyor	Pipe Size		Flight Size		H Coupling Bearing Length	Standard Length Feet-Inches	Weight	
					F Thickness	G Width			Complete Screw	
			Nominal Inside	Outside					Standard Length	Per Foot
6	1½	6R312—*	2	2⅝	⅜ ₁₆	1	2	9-10	65	6.5
9	1½	9R316—*	2	2⅝	¼	1½	2	9-10	100	10
10	1½	10R316—*	2	2⅝	¼	1½	2	9-10	110	11
12	2	12R416—*	2½	2⅝	¼	2	2	11-10	180	15
	2	12R424—*	2½	2⅝	⅜ ₈	2½	2	11-10	216	19
	2⅞ ₁₆	12R524—*	3	3½	⅜ ₈	2½	3	11-9	240	21
14	2⅞ ₁₆	14R516—*	3	3½	¼	2½	3	11-9	228	19
	2⅞ ₁₆	14R524—*	3	3½	⅜ ₈	2½	3	11-9	264	22
	3	14R624—*	3½	4	⅜ ₈	2½	3	11-9	288	25
16	3	16R616—*	3½	4	¼	2½	3	11-9	276	24
	3	16R624—*	3½	4	⅜ ₈	2½	3	11-9	324	28
18	3	18R624—*	3½	4	⅜ ₈	3	3	11-9	384	33
20	3⅞ ₁₆	20R724—*	4	4½	⅜ ₈	3	4	11-8	408	35
24	3⅞ ₁₆	24R724—*	4	4½	⅜ ₈	3	4	11-8	424	36

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

Quick Detachable (QD) Helicoid Conveyor

Q.D. — Quick Detachable conveyor screws are designed for convenient removal from the conveyor assembly. Each section of screw has a Q.D. cap at one end of the pipe. By removing this cap, a conveyor screw section can quickly and easily be removed and returned to the conveyor assembly without disturbing the other screw sections. Quick Detachable conveyor can be furnished both in helicoid and butt weld construction.



R.H. Shown

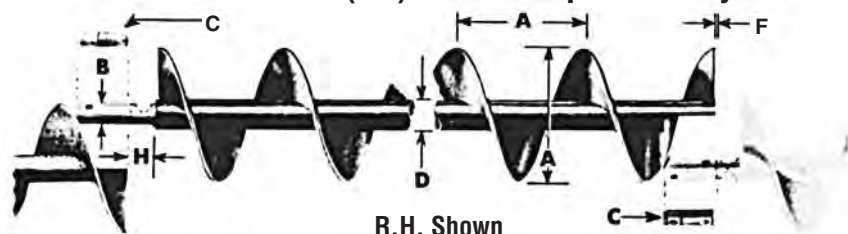
A Nominal Conveyor Diameter	Size Part No. Mounted Conveyor	B Coupling Diameter	Standard-Length Feet-Inches End to End of Pipe	C Cap Part Number	D Pipe Size		Flight Thickness Ft.-In.		H Coupling Bearing Length	Average Weight	
					Nominal Inside	Outside	F Inside	G Outside		Standard Length	Per Foot
6	6HQ304—*	1½	9'-10	3QDC2	2	2¾	⅛	⅛	2	52	5
	6HQ308—*						¼	⅛	2	62	6
	6HQ312—*						⅜	⅜	2	72	7
9	9HQ306—*	1½	9'-10	3QDC2	2	2¾	⅜	⅜	2	70	7
	9HQ312—*						⅜	⅜	2	101	10
	9HQ406—*	2	9'-10	4QDC25	2½	2¾	⅜	⅜	2	91	9
	9HQ412—*						⅜	⅜	2	121	12
	9HQ414—*						⅞	⅞	2	131	13
10	10HQ306—*	1½	9'-10	3QDC2	2	2¾	⅜	⅜	2	81	8
	10HQ412—*	2	9'-10	4QDC25	2½	2¾	⅜	⅜	2	130	13
12	12HQ408—*	2	11'-10	4QDC25	2½	2¾	¼	⅛	2	140	12
	12HQ412—*						⅜	⅜	2	180	15
	12HQ508—*	2⅞	11'-9	5QDC3	3	3½	¼	⅛	3	168	14
	12HQ512—*						⅜	⅜	3	198	17
14	12HQ614—*	3	11'-9	6QDC35	3½	4	⅞	⅞	3	220	18
	14HQ508—*	2⅞	11'-9	5QDC3	3	3½	¼	⅛	3	170	14
	14HQ614—*	3	11'-9	6QDC35	3½	4	⅞	⅞	3	254	22
16	16HQ610—*	3	11'-9	6QDC35	3½	4	⅞	⅞	3	228	19
	16HQ614—*	3	11'-9	6QDC4	4	4½	⅞	⅞	3	285	23.8

Note: Q.D. caps are not recommended on the drive shaft end.

—* R For Right Hand

—* L For Left Hand

Quick Detachable (QD) Sectional Spiral Conveyors



R.H. Shown

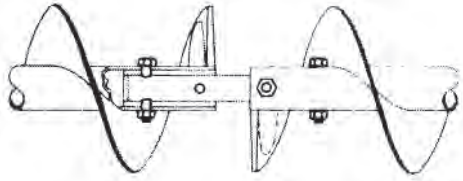
A	Size Part No. Mounted Conveyor	B	Standard Length Feet-Inches	C	D		F	H	Average Weight	
Nominal Conveyor Diameter		Coupling Diameter		Cap Part Number	Pipe Size		Flight Thickness	Coupling Bearing Length	Standard Length	Per Foot
					End to End of Pipe	Inside				
6	6SQ307-*	1½	9'-10	3QDC2	2	2¾	12	2	62	6.2
	6SQ309-*						10		65	6.5
	6SQ312-*						⅜		75	7.5
	6SQ316-*						¼		90	8.0
9	9SQ307-*	1½	9'-10	3QDC2	2	2¾	12	2	73	7.3
	9SQ309-*						10		80	8.0
	9SQ312-*						⅜		95	9.5
	9SQ316-*						¼		120	13
	9SQ407-*	2	9'-10	4QDC25	2½	2⅝	12	2	90	9
	9SQ409-*						10		100	10
	9SQ412-*						⅜		115	11.5
	9SQ416-*						¼		130	13.0
9SQ424-*	⅝	160	16							
10	10SQ309-*	1½	9'-10	3QDC2	2	2¾	10	2	85	8.5
	10SQ412-*	2	9'-10	4QDC25	2½	2⅝	⅜	2	120	12.0
	10SQ416-*						¼		135	13.5
12	12SQ409-*	2	11'-10	4QDC25	2½	2⅝	10	2	140	12.0
	12SQ412-*						⅜		156	13.0
	12SQ416-*	2⅝	11'-9	5QDC3	3	3½	¼	3	204	17
	12SQ509-*						10		160	14
	12SQ512-*						⅜		178	15
	12SQ612-*						3		11'-9	6QDC35
12SQ616-*	¼	216	18.0							
12SQ624-*	⅝	280	24							
14	14SQ509-*	2⅝	11'-9	5QDC3	3	3½	10	3	185	16
	14SQ512-*						⅜		214	18
	14SQ612-*	3	11'-9	6QDC35	3½	4	⅜	3	222	19
14SQ616-*	¼						246		21	
14SQ624-*	⅝						342		29	
16	16SQ609-*	3	11'-9	6QDC35	3½	4	10	3	210	18
	16SQ612-*						⅜		234	20
	16SQ616-*						¼		282	24
	16SQ624-*						⅝		365	31
18	18SQ612-*	3	11'-9	6QDC35	3½	4	⅜	3	246	21
	18SQ616-*						¼		294	25
	18SQ624-*						⅝		425	36
20	20SQ612-*	3	11'-9	6QDC35	3½	4	⅜	3	300	26
	20SQ616-*						¼		360	31
	20SQ724-*	3⅝	11'-8	7QDC4	4	4½	⅝	4	475	40
24	24SQ712-*	3⅝	11'-8	7QDC4	4	4½	⅜	4	410	37
	24SQ716-*						¼		510	43
	24SQ724-*						⅝		595	50

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

Conveyor Screw (Components)

Martin

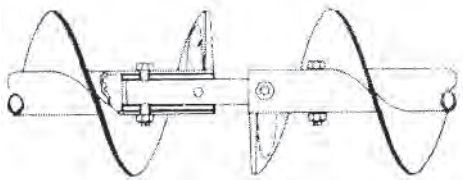
Coupling Bolts



Conveyor coupling bolts are manufactured from special analysis high-torque steel. Close tolerance for a minimum of wear. Lock nuts are furnished with each bolt.

Coupling Diameter	Outside Pipe Diameter	Bolt Size	Part Number Standard	Weight Each Lbs.
1	1 $\frac{1}{8}$	$\frac{3}{8} \times 2\frac{1}{8}$	CCB2	.13
1 $\frac{1}{2}$	2 $\frac{1}{8}$	$\frac{1}{2} \times 3$	CCB3	.2
2	2 $\frac{1}{2}$	$\frac{5}{8} \times 3\frac{1}{2}$	CCB4	.45
2 $\frac{7}{16}$	3 $\frac{1}{2}$	$\frac{5}{8} \times 4\frac{1}{2}$	CCB5	.5
3	4	$\frac{3}{4} \times 5$	CCB6	.85
3	4 $\frac{1}{2}$	$\frac{3}{4} \times 5\frac{1}{2}$	CCB6A	.9
3 $\frac{7}{16}$	4 $\frac{1}{2}$	$\frac{7}{8} \times 5\frac{1}{2}$	CCB7	1.29

Internal Collar

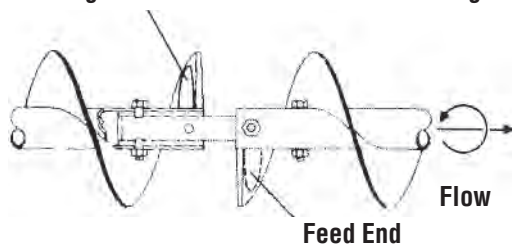


Internal collars are made from seamless tubing machined for a press fit in the conveyor pipe. When installed at the factory collars are jig drilled and plug welded into the pipe. No drilling in replacement collars is furnished allowing for field drilling to match existing bolt holes.

Coupling Diameter	Inside Pipe Diameter	Part Number Standard	Weight Each Lbs.
1	1 $\frac{1}{4}$	CIC2	.58
1 $\frac{1}{2}$	2	CIC3	2.06
2	2 $\frac{1}{2}$	CIC4	2.16
2 $\frac{7}{16}$	3	CIC5	3.72
3	3 $\frac{1}{2}$	CIC6	4.03
3	4	CIC6A	8.03
3 $\frac{7}{16}$	4	CIC7	6.52

Discharge End

End Lugs



End lugs are welded opposite the carrying side of the conveyor flight and provide maximum support with minimum obstruction of material flow.

Conveyor Diameter	Part Number		Weight Each Lbs.
	Intake End Standard	Discharge End Standard	
6	6CELI-*	6CELD-*	.06
9	9CELI-*	9CELD-*	.15
10	9CELI-*	9CELD-*	.15
12	12CELI-*	12CELD-*	.2
14	12CELI-*	12CELD-*	.2
16	16CELI-*	16CELD-*	.4
18	16CELI-*	16CELD-*	.4
20	16CELI-*	16CELD-*	.4
24	16CELI-*	16CELD-*	.4

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