

YORK®

En-Masse Conveyors



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YORK® En-Masse Conveyors



Efficient, reliable material transport
over the long haul – or the short one!

Engineering and performance designed to move your operation forward.

Since 1878, YORK has been the go-to source for efficient, reliable grain and material handling. Our impressive line-up of en-masse conveyors is one more example of YORK's well-earned, field-proven reputation for performance over the long haul.

Our common sense approach to design and construction means you get a conveyor system that matches your application and performs beyond your expectations.

We take the time to understand every aspect of your application: The type of material you're handling. The method of feeding the conveyor. Required volume and capacity. Transport distance. Installation along the ground, well above grade or under a bin floor.

Then we engineer the conveying system that installs quickly, delivers what you need, and performs exactly as it should—all at a competitive price.



On the job around the world.

YORK en-masse conveyors are moving grain and other materials around the world at a wide range of facilities including:

- Commercial grain terminals and feed mills
- Port facilities
- Large farm operations with high capacity grain and livestock demands
- Food processing, specialty grains, fertilizer, and seed processing operations
- Aggregate and construction materials operations
- Small farm systems moving moderate volumes of grain

Engineered for flexibility and performance.

YORK en-masse conveyors are designed and manufactured to move large volumes of grain efficiently, while helping preserve grain quality and integrity. We offer an impressive portfolio of en-masse conveyor options with outstanding design features that ensure long-term reliability and performance under even the most demanding conditions:

Wide range of capacities from 2,000 bushels [54 MT/h] to 30,000 bushels per hour [816 MT/h] to fit your specific requirements and application.

An impressive line-up of models including standard conveyors as well as **innovative low-profile designs** for under-floor installation.

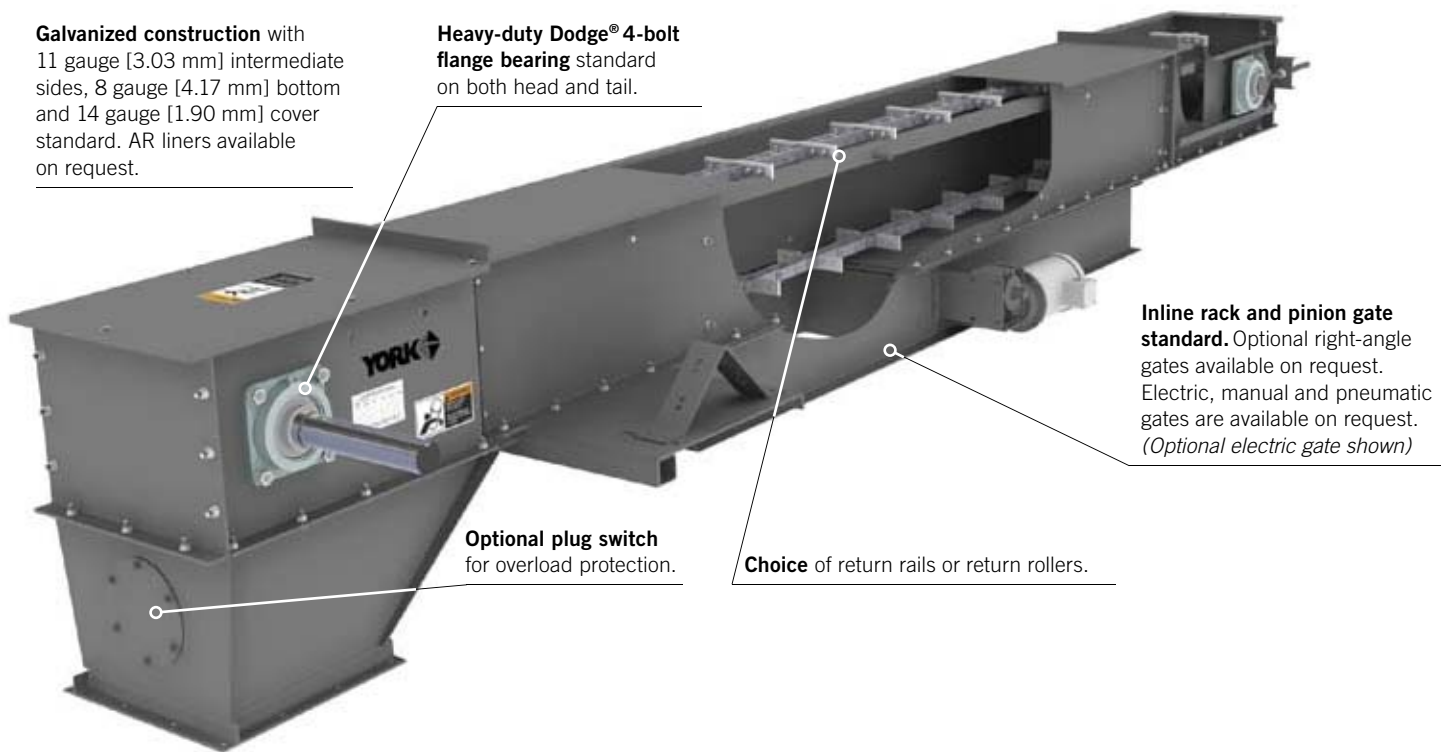
YORK en-masse conveyors feature **galvanized (G-90) construction** for long life and reliable performance. Components that require welding are manufactured from mild steel with a powder coat finish.

Bolt-on flanges provide for easy adjustment and alignment.

Affordable retrofits and upgrades thanks to simple design and optimal adaptability.

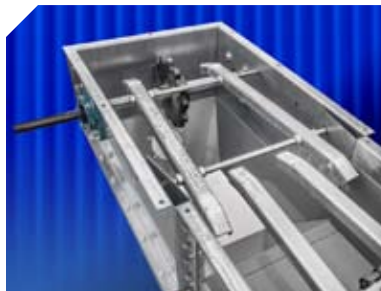
Efficient design and performance help **reduce power consumption** for bottom line savings.

YORK® En-Masse Conveyors

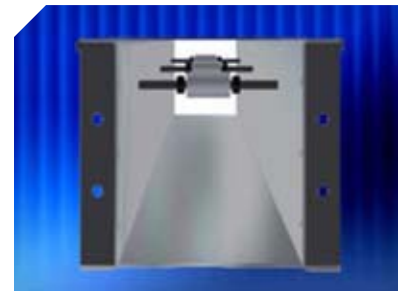


YORK en-masse conveyor systems are available in a wide range of capacities and dimensions to meet virtually any situation. Regardless of the model you choose, you are assured of optimal performance, quick and simple installation, and long service life.

A wide range of optional abrasive-resistant (AR) side and bottom liners are available for use in demanding commercial operations.



Return rails standard on conveyors with WH124 and WH132 chain.
Note: Return rails are not recommended on 8" wide [203 mm] conveyors.



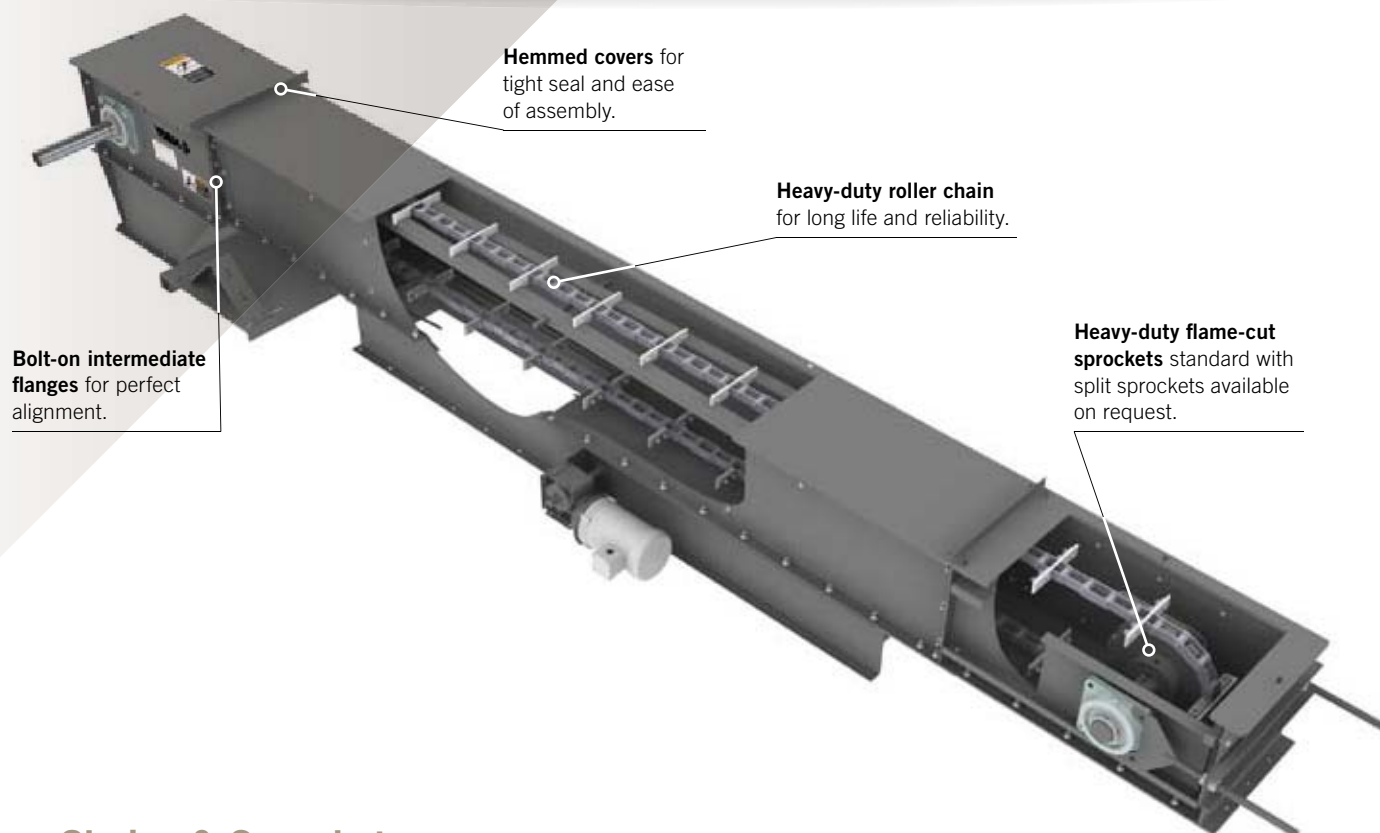
Return idlers standard on conveyors with 81X and 81XHH chain.



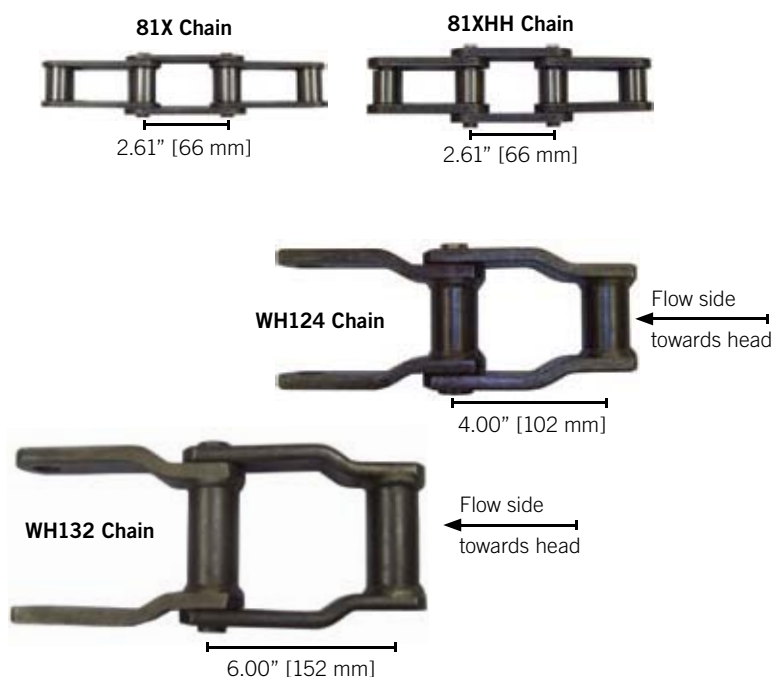
Pre-assembled conveyor chain and paddles help reduce cost and accelerate field installation.



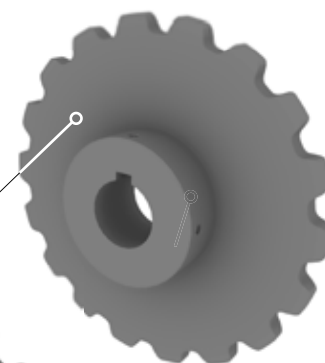
All conveyors are anchored by a **heavy-duty tail section** with take-up for easy chain adjustment.



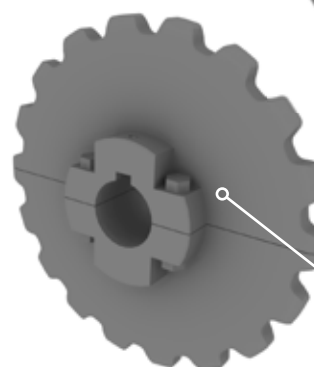
Chains & Sprockets



Flame-cut and flame-hardened solid sprockets are standard with 81X and 81XHH chain, with split sprocket available on request.



Flame-cut and flame-hardened split sprockets standard with WH124 and WH132 chain.



YORK® En-Masse Conveyors



All York conveyors are supplied with **OSHA drive guards** and **heavy-duty motor mounts** when ordered with reducers.

York en-masse conveyors are very adaptable and may be configured in a series of **horizontal and/or inclined applications** as shown below. Reversing applications and intermediate discharges are available upon request.

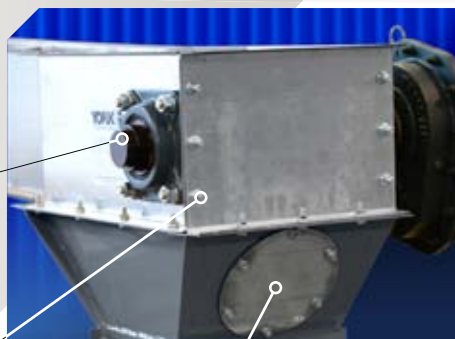


Shaft mount speed reducers are standard on all York equipment. Direct drive motorized torque arm (available on request) eliminates need for belt drive and belt guard. Unit is self-contained.



Heavy-duty Dodge® 4-bolt flange bearings standard on all York head and tail sections.

Bolt-together construction helps not only with maintenance but also eliminates welds to the surface, helping keep galvanized finish intact.



All conveyor discharge hoppers are cut for installation of the **optional plug switch**.

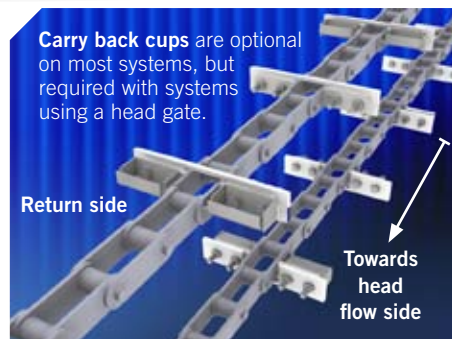


Optional plug switch in head discharge eliminates potential overload concerns.

Carry back cups are optional on most systems, but required with systems using a head gate.

Return side

Towards head flow side



Options include **liners** on bottom or bottom and sides. Choice of 10 gauge [3.42 mm] or 3/16" [4.76 mm] AR materials. Liners are bolted on using countersunk holes. Image here shows an end view of an intermediate liner section. Heavier liners available on request.

CATWALKS & SUPPORTS

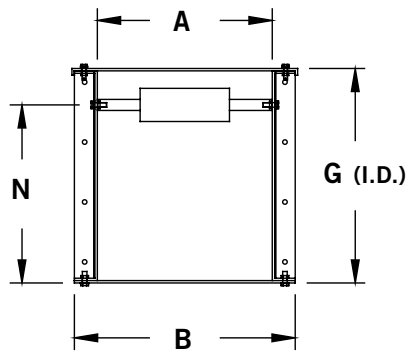
Thanks to Global Industries' "family" affiliation with Brownie Systems, we can offer a wide range of industry-leading catwalks and support systems for your grain handling configuration.

The industry-leading #6 Catwalk from Brownie Systems is available in four grades (6A, 6B, 6C, 6D) to accommodate various freespans and conveyor loads.

- Rigid, double-truss design with no deflection
- Computer engineered for freespans up to 120' [36.6 m]
- Four different grades to fit your specific application
- Capable of conveyor loads up to 700 lbs/foot [1041 Kg/m]
- Enlarged drop-through opening
- Knock-down design for economical shipping
- Sections available in 3', 6', 9' and 18' lengths [0.91m, 1.83 m, 2.74 m, 5.48 m]

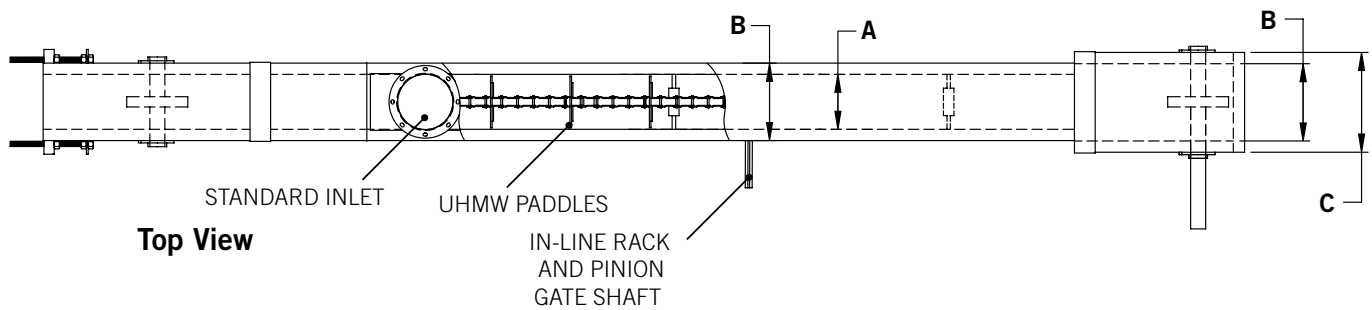


YORK® En-Masse Conveyors



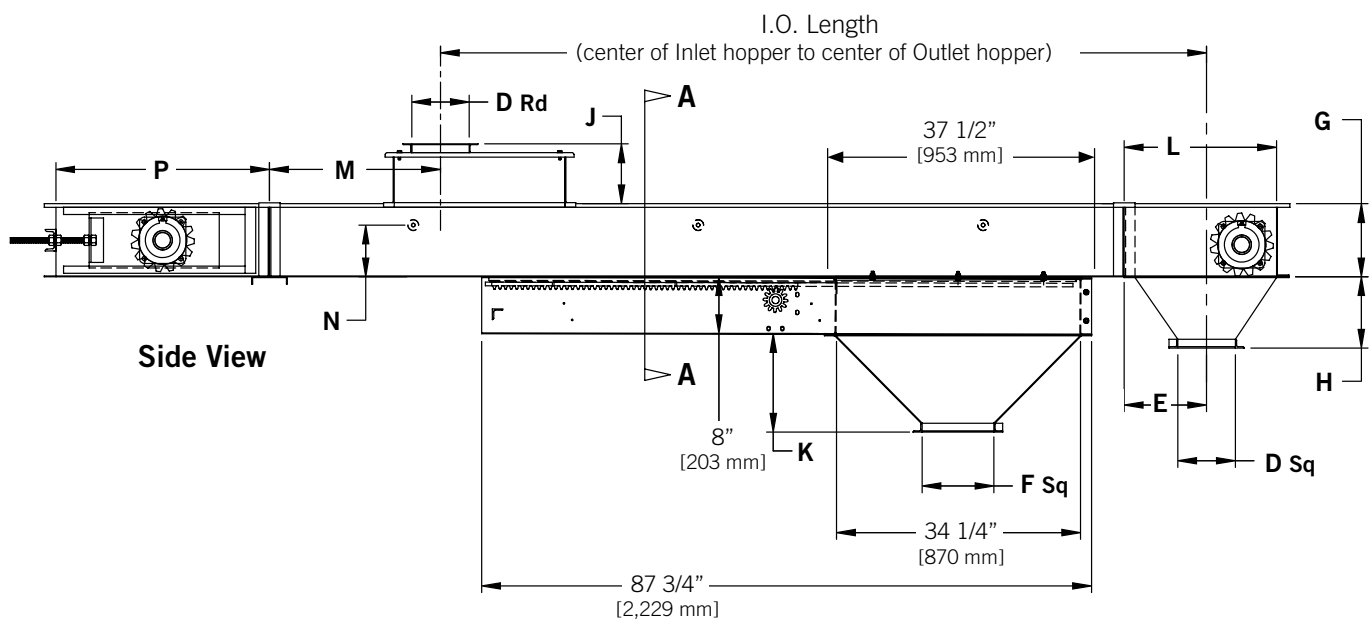
Section A - A

Conveyor with In-Line Intermediate Gate



Top View

NOTE: Conveyors are typically measured from inlet center to the outlet center.



Side View

Horizontal En-Masse Conveyor Dimensions (in)

MODEL	A*	B	C	D Rd	D Sq	E	F	G	H	J	K	L	M	N	P
D835	8	11 1/4	14 1/2	8	10	12 1/2	10	10	8 5/8	8 3/8	13 5/8	21 1/2	8	7 3/8	30
D855	8	11 1/4	14 1/2	10	10	17 1/8	10	14	13 1/4	8 3/8	13 5/8	26	12	11 3/4	30
D1275	12	15 1/4	18 1/2	12	14	18 7/8	12	14	13 1/2	8 3/8	12 1/2	26	13	11 3/4	30
D12100	12	15 1/4	18 1/2	14	14	21	14	18	15 1/2	8 5/8	15 1/2	32	23	15	30
D1650	16	19 1/4	22 5/8	12	10	12 3/8	18	10	16	8 3/8	9 7/8	21 1/2	10	7 3/8	30
D16150	16	19 1/4	22 5/8	18	18	22 5/8	18	18	16	8 5/8	9 7/8	36	25	15	30
D21200	21	24 1/4	27 5/8	20	20	24 1/4	20	18	16	8 5/8	8 5/8	36	26	15	30
D20	20 3/4	24	24	24	20	36	20	24 3/4	15	12	8 5/8	59 1/4	36	20 3/4	43 7/8
D25	26 3/4	30	30 1/2	26	24	36	24	24 3/8	15	12	8 5/8	59 1/4	36	20 3/4	43 7/8

Horizontal En-Masse Conveyor Dimensions (mm)

MODEL	A*	B	C	D Rd	D Sq	E	F	G	H	J	K	L	M	N	P
D835	203	286	368	203	254	318	254	254	219	213	346	546	203	187	762
D855	203	286	368	254	254	436	254	356	337	213	346	660	305	299	762
D1275	305	387	470	305	356	479	305	356	343	213	318	660	330	299	762
D12100	305	387	470	356	356	533	356	457	394	219	394	813	584	381	762
D1650	406	489	575	305	254	314	457	254	219	213	251	546	254	187	762
D16150	406	489	575	457	457	575	457	457	406	219	251	914	635	381	762
D21200	533	616	702	508	508	616	508	457	406	219	219	914	660	381	762
D20	527	610	610	610	508	914	508	619	381	305	219	1,505	914	527	1,114
D25	679	762	775	660	610	914	610	619	381	305	219	1,505	914	527	1,114

*Dimensions shown do not account for the optional side liner



YORK® En-Masse Conveyor Capacities

BUSHELS PER HOUR CAPACITY	MODEL	CUBIC FEET PER HOUR	CONVEYOR WIDTH	CONVEYOR HEIGHT	CHAIN SPEED	
					FT/MIN	RPM
1,000	D835	1,250	8"	10"	67	39
1,500	D835	1,875	8"	10"	100	58
	D855	1,875	8"	14"	59	21
2,000	D835	2,500	8"	10"	134	78
	D855	2,500	8"	14"	75	27
2,500	D835	3,125	8"	10"	167	97
	D855	3,125	8"	14"	94	34
3,000	D855	3,750	8"	14"	113	40
	D1275	3,750	12"	14"	75	27
	D1650	3,750	16"	10"	100	58
3,500	D855	4,375	8"	14"	132	47
	D1275	4,375	12"	14"	88	32
	D1650	4,375	16"	10"	117	68
4,000	D855	5,000	8"	14"	150	54
	D1275	5,000	12"	14"	100	36
	D1650	5,000	16"	10"	134	78
4,500	D855	5,625	8"	14"	169	60
	D1275	5,625	12"	14"	113	40
	D1650	5,625	16"	10"	150	87
5,000	D1275	6,250	12"	14"	125	45
	D12100	6,250	12"	18"	95	25
5,500	D1275	6,875	12"	14"	138	49
	D12100	6,875	12"	18"	104	27
6,000	D1275	7,500	12"	14"	150	54
	D12100	7,500	12"	18"	114	30
7,000	D12100	8,750	12"	18"	133	34
7,500	D12100	9,375	12"	18"	142	37
	D16150	9,375	16"	18"	107	28
8,000	D12100	10,000	12"	18"	151	39
	D16150	10,000	16"	18"	114	30
10,000	D16150	12,500	16"	18"	142	37
	D21200	12,500	21"	18"	108	28
12,000	D16150	15,000	16"	18"	170	44
	D21200	15,000	21"	18"	130	34
15,000	D21200	18,750	21"	18"	162	42
	D20	18,750	20 3/4"	24 3/8"	115	21
20,000	D20	25,000	20 3/4"	24 3/8"	153	27
	D25	25,000	26 3/4"	24 3/8"	119	21
25,000	D25	31,250	26 3/4"	24 3/8"	148	27

Above capacities are based on #2 corn weighing 56 lbs/bushel at 0° incline.



Specifications

METRIC TONS PER HOUR CAPACITY	MODEL	CUBIC METER PER HOUR	CONVEYOR WIDTH MM	CONVEYOR HEIGHT MM	CHAIN SPEED	
					M/S	RPM
27	D835	35.4	203 mm	254 mm	0.34	39
41	D835	53.1	203 mm	254 mm	0.51	58
	D855	53.1	203 mm	356 mm	0.29	21
54	D835	70.8	203 mm	254 mm	0.68	78
	D855	70.8	203 mm	356 mm	0.38	27
68	D835	88.5	203 mm	254 mm	0.85	97
	D855	88.5	203 mm	356 mm	0.48	34
81	D855	106.2	203 mm	356 mm	0.57	40
	D1275	106.2	305 mm	356 mm	0.38	27
	D1650	106.2	406 mm	254 mm	0.51	58
95	D855	123.9	203 mm	356 mm	0.67	47
	D1275	123.9	305 mm	356 mm	0.45	32
	D1650	123.9	406 mm	254 mm	0.59	68
109	D855	141.6	203 mm	356 mm	0.76	54
	D1275	141.6	305 mm	356 mm	0.51	36
	D1650	141.6	406 mm	254 mm	0.68	78
122	D855	159.3	203 mm	356 mm	0.86	60
	D1275	159.3	305 mm	356 mm	0.57	40
	D1650	159.3	406 mm	254 mm	0.76	87
136	D1275	177.0	305 mm	356 mm	0.63	45
	D12100	177.0	305 mm	457 mm	0.48	25
150	D1275	194.7	305 mm	356 mm	0.70	49
	D12100	194.7	305 mm	457 mm	0.53	27
163	D1275	212.4	305 mm	356 mm	0.76	54
	D12100	212.4	305 mm	457 mm	0.58	30
190	D12100	247.8	305 mm	457 mm	0.68	34
204	D12100	265.5	305 mm	457 mm	0.72	37
	D16150	265.5	406 mm	457 mm	0.54	28
218	D12100	283.2	305 mm	457 mm	0.77	39
	D16150	283.2	406 mm	457 mm	0.58	30
272	D16150	354.0	406 mm	457 mm	0.72	37
	D21200	354.0	533 mm	457 mm	0.55	28
327	D16150	424.8	406 mm	457 mm	0.86	44
	D21200	424.8	533 mm	457 mm	0.66	34
408	D21200	530.9	533 mm	619 mm	0.82	42
	D20	530.9	527 mm	619 mm	0.58	21
544	D20	707.9	527 mm	619 mm	0.78	27
	D25	707.9	679 mm	619 mm	0.60	21
680	D25	884.9	679 mm	619 mm	0.75	27

Above capacities are based on #2 corn weighing 721 Kg/m³ at 0° incline.

YORK® Under Floor Conveyors



UFC-75

Capacity: 7,500 bushels per hour [190 MT/h]
Width: 21" [533 mm]
Height: 10" [254 mm] *Based on using 16" [406 mm] MFS floor supports*

YORK has designed a series of high capacity, high performance under floor conveyors engineered specifically for use with MFS/Stormor grain bin floors.

YORK UFC low profile, under floor conveyors can be custom designed to meet your specific installation requirements. At just 21" [533 mm] wide, UFC conveyors provide impressive transporting power, rugged construction and reliable performance—important attributes in an under-floor conveying system.



UFC-100

Capacity: 10,000 bushels per hour [250 MT/h]
Width: 21" [533 mm]
Height: 14" [356 mm] *Based on using 18" [457 mm] MFS floor supports*



YORK under floor conveyors are versatile workhorses, especially well-suited to retrofits with virtually any bin floor brand. Every under floor conveyor includes the rugged design and sensible engineering you'll find in all other YORK en-masse conveyors. Optional gate controllers (*shown*) available on request.

Performance-Enhancing Design Features

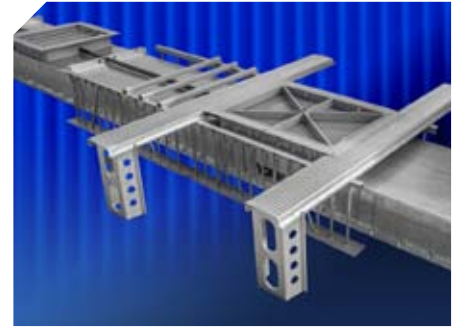
In addition to the standard features and engineering innovations available on all YORK en-masse conveyors, our under floor conveyors offer these unique additional benefits:



Rails overlap for smooth chain operation. Chain rail return standard on under floor conveyors.



Double-flighted chain standard on all under floor conveyors.



Welded steel supports and center brace span width of conveyor for strong support when used with the MFS floor.



Compact 5-, 10- or 15-degree knee sections available on request.



Choose either a **standard or electric controller** from Hutchison as illustrated.



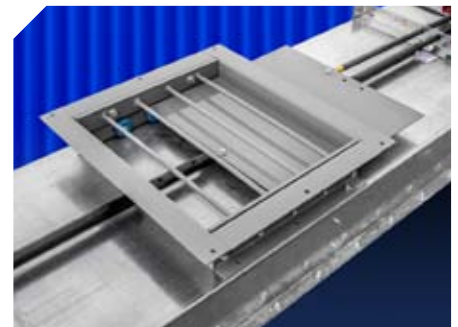
Knee design engineered to keep chain centered during operation.



Conveyor chain and paddles ship pre-assembled for more efficient, time-saving installation in the field.



Choice of center and intermediate wells individually positioned for optimal convenience and access. Low profile height on inlets keeps gates positioned to accept the MFS 16" [406 mm] or 18" [457 mm] floor support.



YORK® Under Floor Conveyors

Under Floor Conveyor Dimensions in Inches

MODEL	A	B	C	D	G	H	J	L	P	Q1	Q2	R	S	T	U	V
UFC75	21	24 1/4	28 1/8	13 7/8	10	12	4	36 1/8	30 3/16	NA	12 3/8	20 3/16	20 3/16	18	29 3/16	16 3/8
UFC100	21	24 1/4	28 1/8	18 1/8	14	12	4	36 1/8	30 3/16	14 15/16	NA	20 3/16	20 3/16	18	29 3/16	18 15/16

Under Floor Conveyor Capacities

BUSHEL PER HOUR CAPACITY	MODEL	CUBIC FEET PER HOUR	CONVEYOR WIDTH INCHES	CONVEYOR HEIGHT INCHES	CHAIN SPEED	
					FT/MIN	RPM
5,000	UFC-75	6,250	21	10	141	81
5,500	UFC-75	6,875	21	10	155	89
6,000	UFC-75	7,500	21	10	169	97
7,000	UFC-75	8,750	21	10	197	112
7,500	UFC-75	9,375	21	10	210	121
8,000	UFC-100	10,000	21	14	125	44
8,500	UFC-100	10,625	21	14	133	47
9,000	UFC-100	11,250	21	14	142	50
9,500	UFC-100	11,875	21	14	151	53
10,000	UFC-100	12,500	21	14	159	56

Above capacities are based on #2 corn weighing 56 lbs/bushel at 0° incline. UFC-75 and UFC-100 5°, 10° and 15° elbow available upon request.

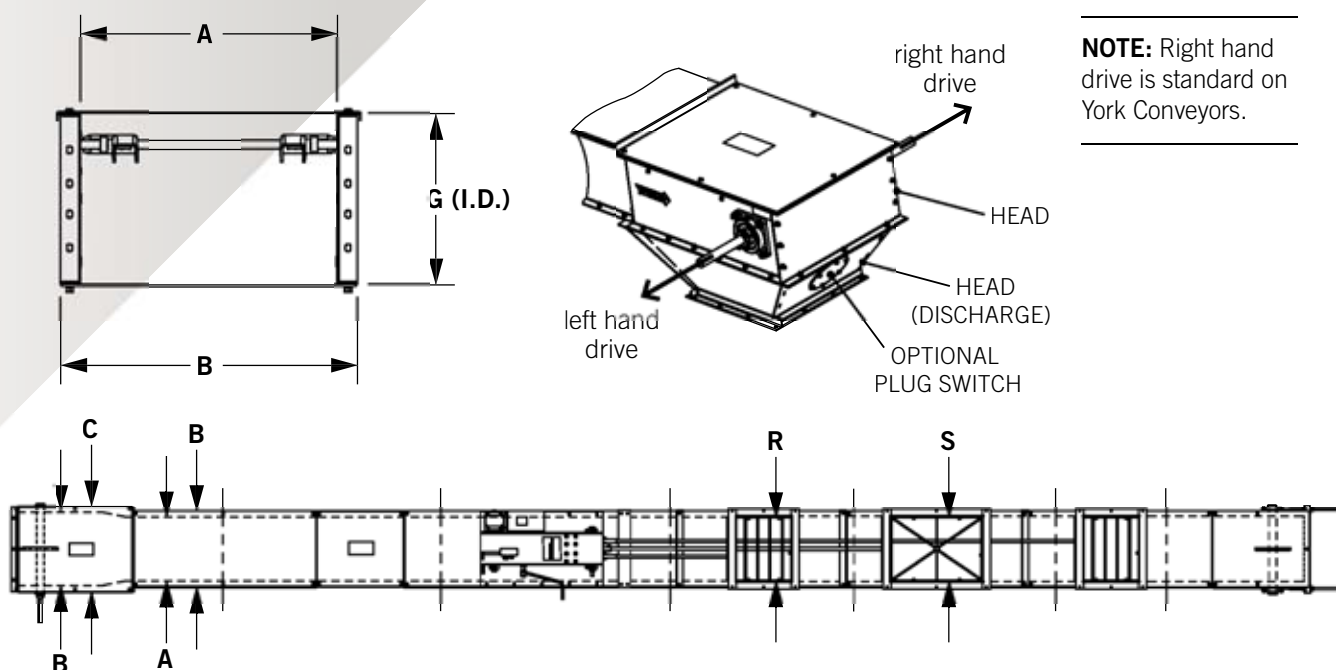
Under Floor Conveyor Dimensions in Millimeters

MODEL	A	B	C	D	G	H	J	L	P	Q1	Q2	R	S	T	U	V
UFC75	533	616	714	352	254	305	102	918	767	NA	314	513	513	457	741	416
UFC100	533	616	714	460	356	305	102	918	767	379	NA	513	513	457	741	481

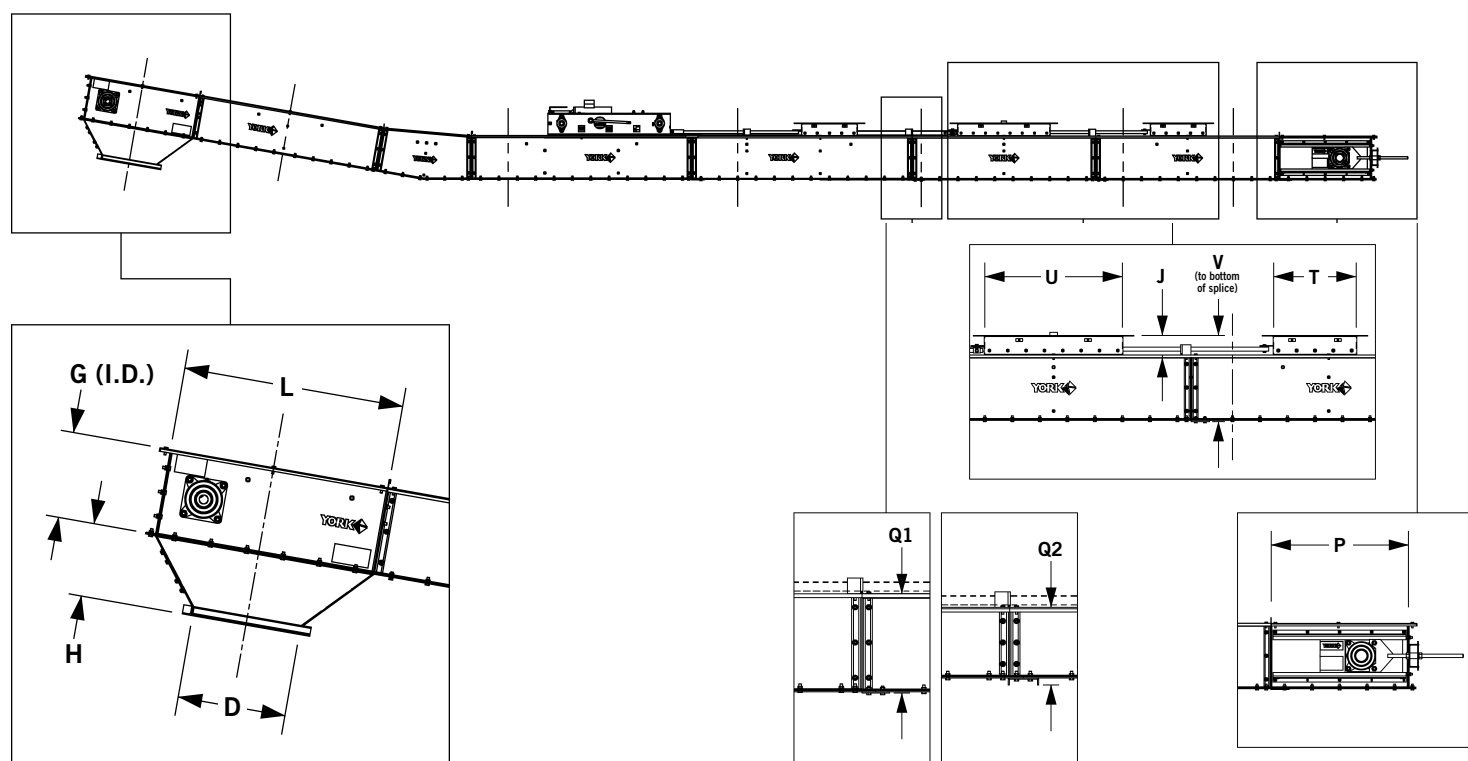
Low Profile Conveyor Capacities

METRIC TONS PER HOUR CAPACITY	MODEL	CUBIC METER PER HOUR	CONVEYOR WIDTH MM	CONVEYOR HEIGHT MM	CHAIN SPEED	
					M/SEC	RPM
136	UFC-75	177	533 mm	254 mm	0.72	81
150	UFC-75	194.7	533 mm	254 mm	0.79	89
163	UFC-75	212.4	533 mm	254 mm	0.86	97
190	UFC-75	247.8	533 mm	254 mm	1.00	112
204	UFC-75	265.5	533 mm	254 mm	1.07	121
218	UFC-100	283.2	533 mm	356 mm	0.64	44
231	UFC-100	300.8	533 mm	356 mm	0.68	47
245	UFC-100	318.6	533 mm	356 mm	0.72	50
259	UFC-100	336.3	533 mm	356 mm	0.77	53
272	UFC-100	354.0	533 mm	356 mm	0.81	56

Above capacities are based on #2 corn weighing 721 Kg/m³ at 0° incline. UFC-75 and UFC-100 5°, 10° and 15° elbow available upon request.



NOTE: Right hand drive is standard on York Conveyors.





The Trusted Name in Grain Handling

En-Masse Conveyor Systems

- Industry-leading quality and innovation
- Wide range of models and capacities for virtually any application
- Low profile under floor conveyors available
- Easily adaptable to existing facilities and structure
- Competitive pricing without sacrificing quality
- Engineered for unmatched strength, long life and outstanding performance
- Engineering expertise to help you match the right system to your application
- Complete grain handling systems including bucket elevators and incline drag conveyors



York is a division of Global Industries, Inc., a multi-faceted company specializing in grain storage and handling systems and high-quality steel construction. Thanks to the Global "family" relationship, we can offer you completely integrated, high-quality grain storage and handling systems at a very competitive price.



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