## "EN MASSE" CHAIN CONVEYOR

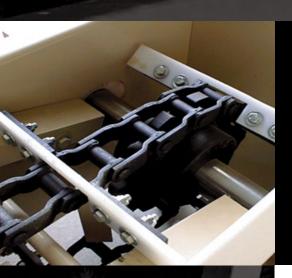


Durable, dependable and efficient handling capacities for a wide variety of materials with minimum product degradation. Capacities from 3,000 - 13,000 bushels per hour.

CHAIN **CONVEYORS** 

Durable, dependable and efficient handling capacities for a wide variety of materials with minimum product degradation. Capacities from 9,000 - 28,000 bushels per hour.





## **OPTIONS**

A.R. steel bottom and side liners from 10 GA. - 3/8"

Bend section/incline conveyors

Split sprockets

Hold down return rails or split pan design for inclined conveyors

Limit switches

Hot dipped galvanized option available

### **SPECIAL FEATURES**

Heavy welded steel conveyor chain with welded attachments and 3/8"- 5/8" UHMW flights assembled and placed in intermediate sections.

Drives sized for application and mounted to head section.

Drag leg attachment plates (1 set per 10' of conveyor length).

## **STANDARD FEATURES**

- Hardened tooth sprockets
- All pillow block bearings
- Shafts sized to application
- UHMW seals

Size A

12

18 2014 20

1014 10

1214

1414

1614

1814

- 1-Intermediate inlet & 1-head discharge
- Screw type take ups
- 11 GA. steel construction

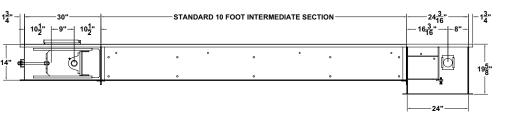
NOTE

All conveyor

are completely

- Powder Coat finish
- 7 GA A.R. removable bottoms
- Heavy welded steel conveyor chain
- Inspection doors on head & tail sections
- Cover lipped for excellent seal
- Cover may be flat or lipped design with guick screw clamps or bolted on

	<u></u>	GA. BOLTED FLAT COVER
1 <sup>3</sup> / <sub>4</sub> " -	A 134	U.H.M.W. FLIGHTS SHADED AREA 100% LOADING (SEE CHART FOR CAPACITIES)
<u>                                     </u>	001100	REMOVEABLE 7 GAUGE A.R. BOTTOM (STANDARD)



Size	1ft/min Bu/hr	100 ft/min Bu/hr	125 ft/min Bu/hr	150 ft/min Bu/hr	175 ft/min Bu/hr	200 ft/min Bu/hr
1014	33.3	3,330	4,166	5,000	5,833	6,666
1214	40.0	4,000	5,000	6,000	7,000	8,000
1414	46.7	4,670	5,837	7,000	8,172	9,340
1614	53.3	5,330	6,662	8,000	9,327	10,660
1814	60.0	6,000	7,500	9,000	10,500	12,000
2014	67.0	6,700	8,370	10,040	11,700	13,390
Size	0.005 m/s MT/h	0.51 m/s MT/h	0.64 m/s MT/h	0.76 m/s MT/h	0.89 m/s MT/h	1.02 m/s MT/h
Size 1014						
	MT/h	MT/h	MT/h	MT/h	MT/h	MT/h
1014	MT/h 0.9	MT/h 90	MT/h 113	MT/h 136	MT/h 158	MT/h 181
1014 1214	MT/h 0.9 1.1	MT/h 90 109	MT/h 113 136	MT/h 136 163	MT/h 158 190	MT/h 181 217
1014 1214 1414	MT/h 0.9 1.1 1.3	MT/h 90 109 127	MT/h 113 136 158	MT/h 136 163 190	MT/h 158 190 222	MT/h 181 217 253

## **STANDARD FEATURES**

- Hardened tooth sprockets
- All pillow block bearings
- Shafts sized to application
- UHMW seals

Size A

2420 24

20

30

2020

3020

- 1-Intermediate inlet & 1-head discharge
- Screw type take ups
- 11 GA. steel construction

NOTE

All conveyor

removable

are completely

- Powder Coat finish
- 3/8" A.R. removable bottoms
- Heavy welded steel conveyor chain
- Inspection doors on head & tail sections
- Cover lipped for excellent seal
- Cover may be flat or lipped design with guick screw clamps or bolted on

## **OPTIONS**

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Hot dipped galvanized option available

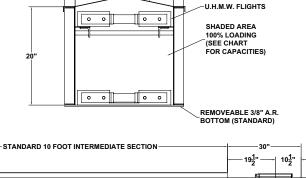
Limit switches

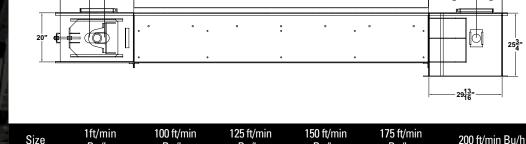
## **SPECIAL FEATURES**

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Size	1ft/min Bu/hr	100 ft/min Bu/hr	125 ft/min Bu/hr	150 ft/min Bu/hr	175 ft/min Bu/hr	200 ft/min Bu/hr
2020	93.3	9,333	11,662	14,000	16,333	18,666
2420	112.0	11,200	14,000	16,800	19,600	22,400
3020	140.0	14,000	17,500	21,000	24,500	28,000
Size	0.005 m/s MT/h	0.51 m/s MT/h	0.64 m/s MT/h	0.76 m/s MT/h	0.89 m/s MT/h	1.02 m/s MT/h
2020	2.5	253	316	380	443	506
2420	3	304	380	456	532	608
3020	3.8	380	475	570	665	760

NOTES Capacities in MT/hr are based on wheat at 0.77 MT/m<sup>3</sup>

NOTES Capacities in MT/hr are based on wheat at 0.77 MT/m<sup>2</sup>

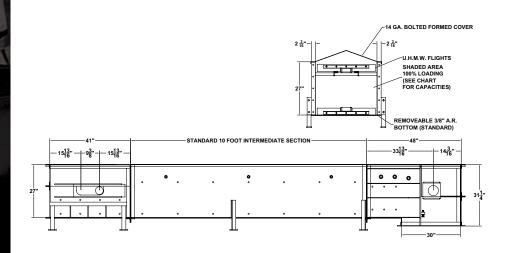
# 27 SERIES CHAIN CONVEYORS

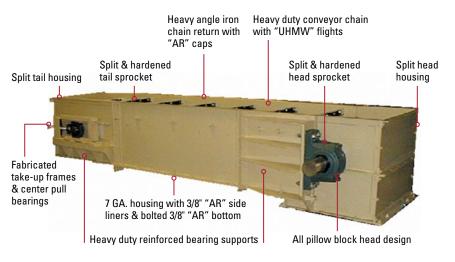
## HIGH CAPACITY CHAIN CONVEYORS

Union Iron's "Mega" Conveyor is a heavy duty chain conveyor designed to handle the most severe applications for many years of trouble-free service.

Conveyor sides and bottoms are equipped with 3/8" plate A.R. steel liners for extended life. 19½" tall side liners are standard construction. All components are jig welded to assure interchangeability, further insured by strict Union Iron inspection.

Size	Bu/hr @ 1 FPM	Bu/hr @ 150 FPM	Bu/hr@ 200 FPM
24"	161	24,140	32,140
30"	201	30,130	40,173
32"	214	32,140	42,850
36"	241	36,160	48,210
42"	281	42,180	56.250
		,	/
Size	MT/hr @ 0.005 m/s	MT/hr @ 0.76 m/s	MT/hr @ 1.02 m/s
	MT/hr @	MT/hr@	MT/hr
Size	MT/hr @ 0.005 m/s	MT/hr @ 0.76 m/s	MT/hr @ 1.02 m/s
Size	MT/hr @ 0.005 m/s 4.4	MT/hr @ 0.76 m/s 655	MT/hr @ 1.02 m/s 872
Size 24" 30"	MT/hr @ 0.005 m/s 4.4 5.5	MT/hr @ 0.76 m/s 655	MT/hr @ 1.02 m/s 872 1,090





66

Capacities range from 15,000 - 60,000 bushels per hour.

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Union Iron is an AGI brand.

## UNIONIRON

AGI is a leading manufacturer of portable handling equipment (augers, belt conveyors, grain vacs), permanent handling systems (bucket elevators, enclosed belt conveyors, chain conveyors, structural) and storage systems (aeration, drying, bins/silos) that service the grain,

seed, feed, food and fertilizer sectors both on farm and for commercial operations

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