




**Quality Products Since 1968**

Manufactured by:

**Helm Welding (1983) Limited**

### **Four Auger TMR Mixer Feeders "C & S Series"**

*Our "C & S Series" of mixers are gradually being phased out and replaced by our "FEEDPro Series" of mixers. We will continue making "C & S" mixers while we have components available. Before ordering, contact  directly to ensure availability.*

#### Standard Features

- Four auger mixing system
- Large diameter augers with flighting thicknesses ranging from 3/8" to 1/2"
- Large diameter heavy wall auger tubes for extra strength to do the tough mixing jobs
- Bottom shear angle for the harder-to-mix rations
- Full 1/4" steel bottom plus liner
- All "C & S Series" mixers come complete with either of several makes of basic read up, read down electronic scale systems

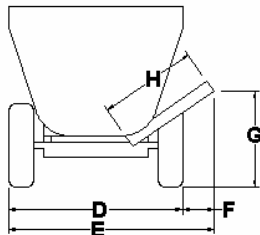
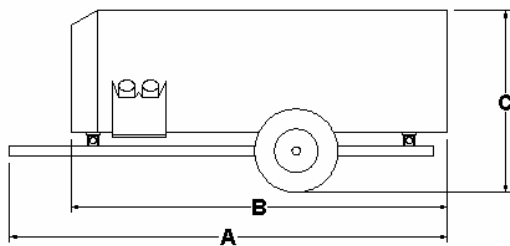
#### Options

- Choice of various different electronic scale indicators
- Remote indicator and remote zeroing capabilities
- Hydraulic raise and lower discharge chute
- Special discharge lengths
- Hydraulic flap on discharge chute
- Manual flap on discharge chute
- Magnet in discharge flap
- Diverter valve for tractors with only one set of remotes
- External grease bank
- Safety grid (standard on all stationary mixers)
- Stainless steel liners
- Battery box

## “C & S Series” Trailer Model Specification Table

MODEL SIZE	200	220	285	330	375
A – Overall Length	194	194	206	230	254
B - Min. Less Hitch	151	153	165	189	213
C – Overall Height - standard	76	82	88	96	96
- special	-	90	96	-	-
D – Outside Tread Width	76	82	82	84	89 1/2
E – Outside Tread to Discharge	89 – 93	92 - 96	92 – 96	98 - 102	101 – 105
F – Tread to Discharge	15 – 19	19 – 23	19 – 23	20	17
G – Discharge Height	25 – 35	30 - 42	30 - 42	30 - 42	36 – 46
H – Discharge Length	30	36	36	42	42
Hopper Size	78 x 120	78 x 120	84 x 132	84 x 156	84 x 180
Bottom Augers – tube	5 x 1/2	5 x 1/2	5 x 1/2	6 5/8 x 1/2	6 5/8 x 1/2
- flighting	3/8	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2
- diameter	20	20	20	20	20
Top Augers – tube	4 1/2 x 3/8	4 1/2 x 3/8	4 1/2 x 3/8	5 x 1/2	5 x 1/2
- flighting	3/8	3/8	3/8	3/8	3/8
- diameter	20	20	20	20	20
Shaft Diameter – drive bottom	3	3	3	3	3
- drive top	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Tire Sizes - standard	11L x 15	Used 20”	Used 20”	Used 18 x 22.5”	18.4 x 26
- hubs	8 bolt	8 bolt	8 bolt	8 bolt	10 bolt
Scale System	3 point	4 point	4 point	4 point	4 point
Roller Chains	80 - 120	80 - 120	80 – 120	80 - 140	80 - 140
Approximate Weight (lbs.)	7,100	8,500	9,050	11,000	11,980
Mixing Capacity (cubic ft.)	205	220	285	330	375

Unless otherwise indicated, all dimensions are in inches with standard equipment installed.  
 Specifications subject to change without notice.  
 Certain features shown may be optional.



ALL “C & S Series” MODELS	
Hopper Bottom	1/4 plus 1/4 liner*
Hopper Ends - bottom	1/4
- top	10 gauge
Hopper Sides - bottom	1/4
- top	10 gauge or 3/16

\* Or

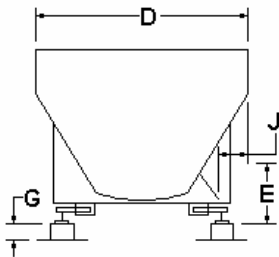
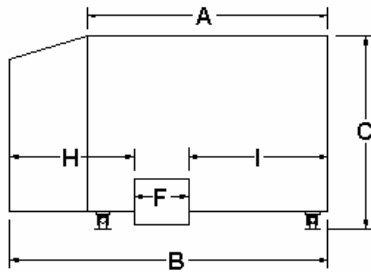
optional stainless steel

## “C & S Series” Stationary Model Specification Table

MODEL SIZE	150	185	220	285	330	375
A - Hopper Length	84	96	120	132	156	180
B – Overall Length	111	123	170	182	206	230
C – Overall Height – less stand	61	61	61	67	67	67
D – Width	74	74	80	86	86	86
E – Floor to Door – with stand	8 ½ - 20 ½	8 ½ - 20 ½	12 – 19	12 – 19	12 - 19	12 – 19
F – Door Opening Width	19	19	19	19	19	19
G – Stand Height	12	12	12	12	12	12
H – Door to Front*	38	38	59	59	59	59
I – Door to Rear*	54	66	88	100	112	124
J – Door to Mixer Side			9 ½ - 16 ½	9 ½ - 16 ½	9 ½ - 16 ½	9 ½ - 16 ½
Hopper Size	72 x 84	72 x 96	78 x 120	84 x 132	84 x 156	84 x 180
Bottom Augers – tube	4 ½ x 3/8	4 ½ x 3/8	5 x ½	5 x ½	6 5/8 x ½	6 5/8 x ½
- flighting	½	½	3/8 & ½	3/8 & ½	3/8 & ½	3/8 & ½
- diameter	18	18	20	20	20	20
Top Augers - tube	4 x 5/16	4 x 5/16	4 ½ x 3/8	4 ½ x 3/8	5 x ½	5 x ½
- flighting	3/8	3/8	3/8	3/8	3/8	3/8
- diameter	18	18	20	20	20	20
Scale System	4 Point	4 Point	4 Point	4 Point	4 Point	4 Point
Roller Chains	60 – 80	60 - 80	80 - 120	80 - 120	80 – 140	80 -140
Approximate Weight (lbs.)	4,570	4,860	8,000	9,050	11,000	11,980
Mixing Capacity (cubic ft.)	150	185	220	285	330	375

\* Front being drive end (plus opener)

Unless otherwise indicated, all dimensions are in inches with standard equipment installed.  
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Certain features shown may be optional.



ALL “C & S Series” MODELS	
Hopper Bottom	¼ plus ¼ liner*
Hopper Ends - bottom	¼
- top	10 gauge
Hopper Sides - bottom	¼
- top	10 gauge or 3/16

\* Or optional stainless steel