





HEAD PULLEY WITH OPTIONAL SLIDE LAGGING



ADJUSTABLE BEARING PEDESTAL - ALL SIZES

## Head Section

Centrifugal Discharge Heads are designed to obtain clean discharge. Features include:

- Ball or roller bearing pillow blocks
- Adjustable bearing pedestals
- Weather tight inspection doors
- High strength steel shafts
- Adjustable throat baffle
- Ruggedly constructed with optional replaceable A.R. (abrasion resistant) steel, U.H.M.W., urethane, or ceramic liners - Liners are standard on most models
- Split hood with shaft seals
- Crown faced double disc drum pulley with vulcanized rubber or replaceable slide lagging
- Pressure relief door in hood - optional
- Bolt-on catcher bar assembly - optional

## Drives

Standard or customer specified drive packages are available for all models.

- Shaft mount with belt drive
- Shaft mount – direct coupled motor
- Right angle or parallel gear reducer, hollow shaft mounted or solid shaft direct coupled to head shaft

## Boot Section

Heavy gauge reinforced bolted construction provides extra-strong structural base for unit.

- Externally mounted flange or optional pillow block bearings
- Corrosion resistant ACME thread screw take-up (optional gravity take-up) with U.H.M.W. guides and seals
- Weather tight inspection doors
- Bolted access panels
- 45° clean-outs
- Standard boot inlet
- Crown faced double disc drum pulley

STANDARD ACME-SCREW TAKE-UP



CLEAN-OUTS MOUNTED IN U.H.M.W. GUIDES



### Leg Trunking

NORDSTRONG's unique trunking design provides superior protection from dust and weather.

- Heavy gauge construction to suit any application
- Jig welded with continuous seams and structural angle iron flanges
- Standard 10'-0" (3.05m) lengths
- Horizontal tie angles
- Reinforced inspection section shown with oversized hinged and bolted access doors – front and back
- Optional down leg inspection section – standard on some models

### Belt and Cups

Heavy-duty rubber belt engineered to correct strength (P.I.W.) requirements. A complete range of bucket types available to suit any application.

### Optional Features

#### SPECIALIZED MODELS

- Fertilizer
- Seed handling
- Slow speed
- Continuous discharge

#### CONSTRUCTION OPTIONS

- Galvanized
- Stainless steel
- Special paints

#### LADDERS AND PLATFORMS

- Service platforms
- Distributor platforms
- Step off and rest platforms
- Caged ladders

#### SAFETY

- Pressure relief vents (To N.F.P.A. 61)
- Belt alignment and speed monitors
- Plug switches

#### BOOTS

- Gravity take-up
- Self cleaning – self adjusting (floating)
- Wing pulleys
- Down leg inlet
- Smaller size, with down leg idler

#### LEG TRUNKING

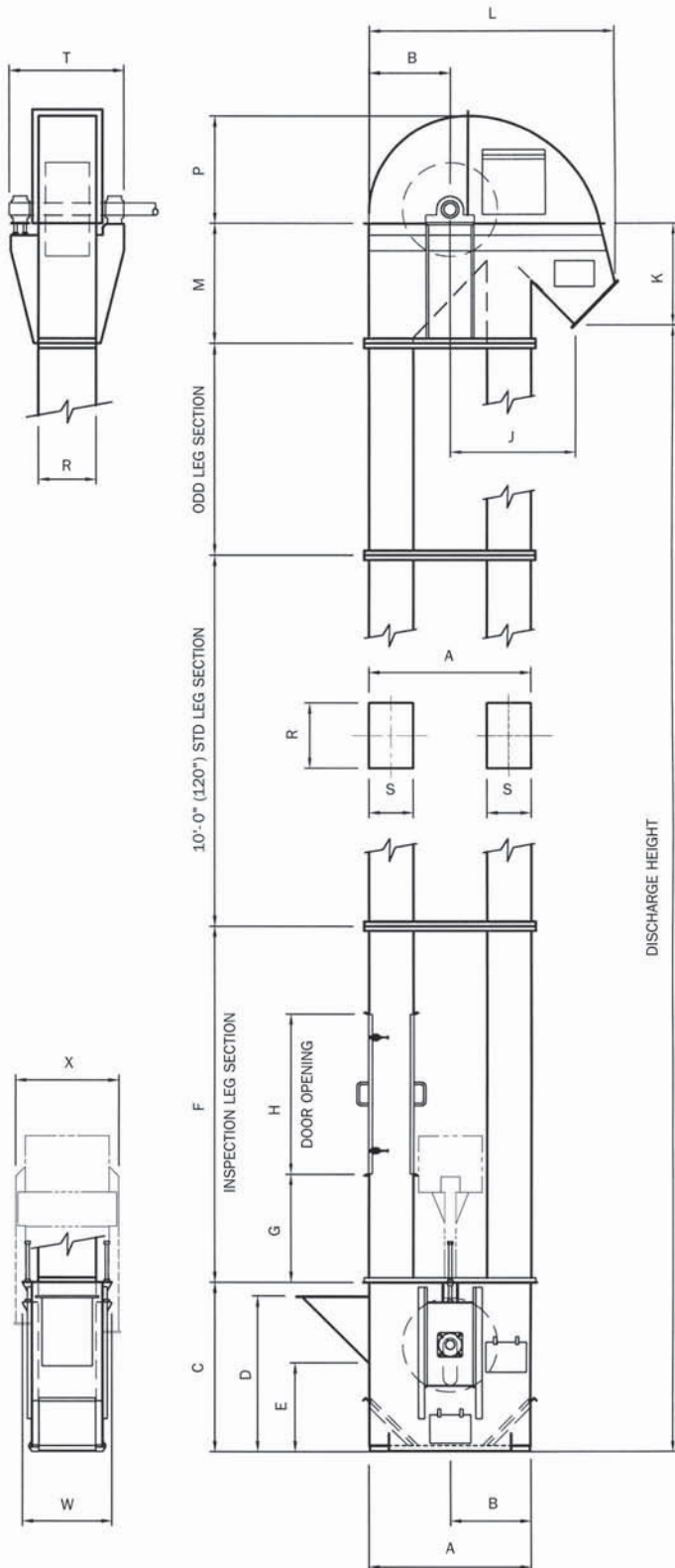
- Wind bracing
- Single or multiple squaring frames



### Bucket Elevator Specifications

MODEL		6	12	24	30	36	42	4821	4824	4832	4840
MAX. BUCKET SIZE		6 x 4	7 x 5	12 x 6	14 x 7	16 x 7	16 x 8	16 x 8	20 x 8	13 x 8 *	16 x 8 *
PULLEY RPM	MIN	75	65	40	35	35	40	40	40	40	40
	MAX	195	130	75	70	70	65	62	62	62	62
BELT SPEED FPM	MIN	130	210	260	280	340	450	515	515	515	515
	MAX	330	425	480	560	675	730	795	795	795	795
MAX CAPACITY CFH		2060	3500	7880	12500	16900	23100	25500	32130	38900	51000
MAX CAPACITY BPH		1650	2800	6300	10000	13500	18500	20400	25700	31100	40800
MAX CAPACITY MTPH		45	75	170	270	370	500	550	700	850	1100

- \* Capacities obtained using double row cups
- Capacity is based on dry free flowing material @ 48 PCF (117 kg/m<sup>3</sup>) Bucket Loading W.L.+5%
- Larger capacity models available



### Bucket Elevator Dimensions

MODEL	6	12	24	30	36	42	4821	4824	4832	4840
A	19	28	42	51	60	68	74	74	74	74
	483	711	1067	1295	1524	1727	1880	1880	1880	1880
B	9.5	14	21	25.5	30	34	37	37	37	37
	241	356	533	648	762	864	940	940	940	940
C	28	40	48	54	60	72	78	78	78	78
	711	1016	1219	1372	1524	1829	1981	1981	1981	1981
D	26	38.25	42	48	56	64.5	72	72	72	72
	660	972	1067	1219	1422	1638	1829	1829	1829	1829
E	16	22	28	34	39	48	53	53	53	53
	406	559	711	864	991	1219	1346	1346	1346	1346
F	60	74	72	120	120	120	120	120	120	120
	1524	1880	1829	3048	3048	3048	3048	3048	3048	3048
G	12	15.5	6	13.5	36	36	36	36	36	36
	305	394	152	343	914	914	914	914	914	914
H	30	37	48	48	60	60	60	60	60	60
	762	940	1219	1219	1524	1524	1524	1524	1524	1524
J	14.5	18	33	40	43	49	51.75	51.75	51.75	51.75
	368	457	838	1016	1092	1245	1314	1314	1314	1314
K	19	15.25	28	32.25	37	34.5	36.5	36.5	36.5	36.5
	482	387	711	819	940	876	927	927	927	927
L	31	39	67	78	90	99	107	107	107	107
	787	991	1702	1981	2286	2515	2718	2718	2718	2718
M	20.5	16	28.75	38	43	37.25	39.75	39.75	39.75	39.75
	521	406	730	965	1092	946	1010	1010	1010	1010
P	12.5	18.5	30.5	34.5	41.5	45.75	49	49	49	49
	317	470	775	876	1054	1162	1245	1245	1245	1245
R	10	11	16	18	21	21	21	24	32	40
	254	279	406	457	533	533	533	610	813	1016
S	**	**	10	11.5	14	14	14	14	14	14
	**	**	254	292	356	356	356	356	356	356
T	18	20	32	37	40	45	45	48	58	66
	457	508	813	940	1016	1143	1143	1219	1473	1676
W	18	19	26.5	28.5	30	30	-	-	-	-
	457	483	673	724	762	762	-	-	-	-
X	-	-	-	-	-	-	37	40	48	56
	-	-	-	-	-	-	940	1016	1219	1422

\*\* Unitized leg on 6" and 12" models

Dimensions:  Inch  mm



Model 4821 head with 125 HP flanged coupling drive