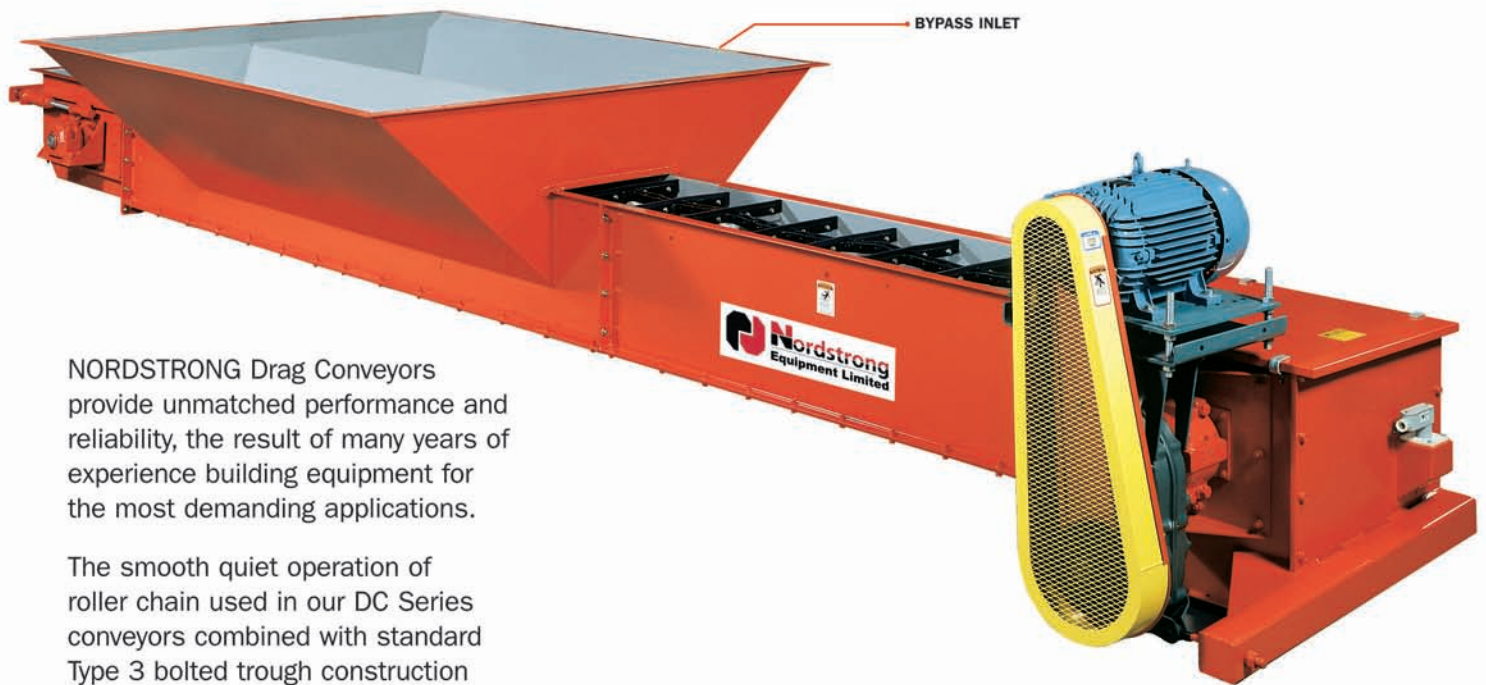


DRAG CONVEYORS

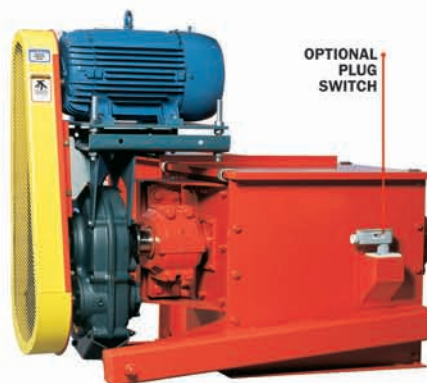
HIGH PERFORMANCE, QUIET OPERATION, RELIABLE



NORDSTRONG Drag Conveyors provide unmatched performance and reliability, the result of many years of experience building equipment for the most demanding applications.

The smooth quiet operation of roller chain used in our DC Series conveyors combined with standard Type 3 bolted trough construction provides equipment that is purpose built for today's requirements. For higher capacities and more demanding material handling applications our HDC Series conveyors - with standard 85,000 lb. (370 kN) chain - are among the heaviest available anywhere.

This section covers the broad range of features and options available for our Drag Conveyors. Conveyor and drive selections will vary according to application with products handled, desired capacities and feeding arrangements, all affecting unit selection. For assistance in determining the correct unit, please consult a qualified Nordstrong representative.



Head Section

Standard heavy gauge fully bolted box head section.

- Sprocket with hardened teeth
- Optional split sprocket (Standard on HDC Series)
- High strength ground steel shafts
- Optional outboard mounted pillow block bearings utilize U.H.M.W. seals (Standard on HDC Series)

Drives

Standard or customer specified drive packages available for all models.

- Shaft mount with belt drive
- Gearmotor with chain and sprockets
- Direct coupled combinations



Intermediate Trough Section

Troughs are available in several designs. Gauge of steel used in construction varies depending on model and application.

- All trough styles are available with full height A.R. steel side liners for severe duty applications and continuous service
- All troughs are jig welded with heavy flat bar or angle flanges

Discharge Gates

- In-line gates
- Drop bottom gates
- Cross gates
- Flush mount gates
- All available with a variety of operators: Manual, Electric Gearmotor, Electric (linear) Actuator, Hydraulic, or Pneumatic

Covers

- Standard galvanized weather tight covers on head, tail, and intermediate sections – optional hip roof available
- Standard 'C' type clamping system
- Optional quick release cover clamps

Inlets

- Standard raised or flanged
- Optional metered feed or bypass (divided flow)

Chain

- Chain style selected to suit individual application
- Welded steel flight attachments
- Full width U.H.M.W. bolted flights



Tail Section

The Tail Detector Device (standard on most models) provides for automatic chain tensioning, for longer life and complete chain protection. If chain tension is lost due to the presence of foreign objects, the Detector Device shuts off the conveyor before damage occurs.

- Flange or pillow block bearings
- Sprocket with hardened teeth
- Optional split sprocket (standard on HDC Series)
- Take-up adjustment provided with corrosion resistant ACME threaded rod
- Optional outboard mounted pillow block bearings utilize U.H.M.W. seals (Standard on HDC Series)

Optional Features

SPECIALIZED MODELS

- Inclined
- Reversing
- Self-cleaning
- Custom Designs

CONSTRUCTION OPTIONS

- Galvanized
- Stainless steel
- Special paints

HEADS AND TAILS

- Screw take-up
- Contoured (self-cleaning)

CHAIN

- Forged chain for ultimate service
- Special chains for fertilizer and other difficult material characteristics

SAFETY

- Plug switches
- Overflow relief doors
- Under-speed detection

OPTIONAL DRIVE

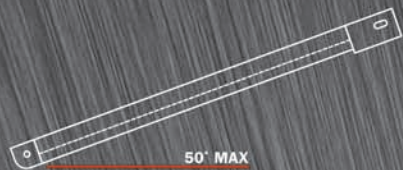
- NORDSTRONG's unique flanged shaft mount drive achieves a compact profile by eliminating both drive side bearing and torque arm. This results in reduced space requirements in tunnels and on catwalks, as well as providing fewer components that require maintenance.



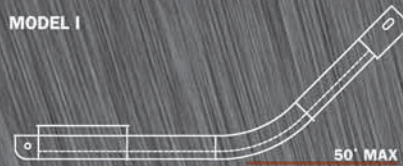


Incline Style Drag Conveyors

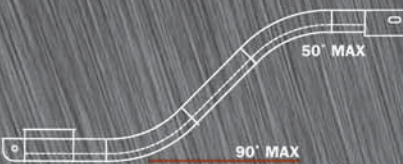
This series of conveyors differs from our conventional drags in many ways. It is offered in four (4) basic configurations to suit virtually any material flow path. Whether you have an agricultural or heavy duty industrial application we can build these conveyors to suit individual requirements.



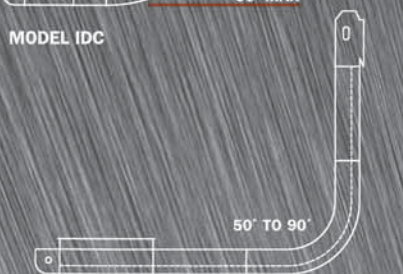
MODEL I



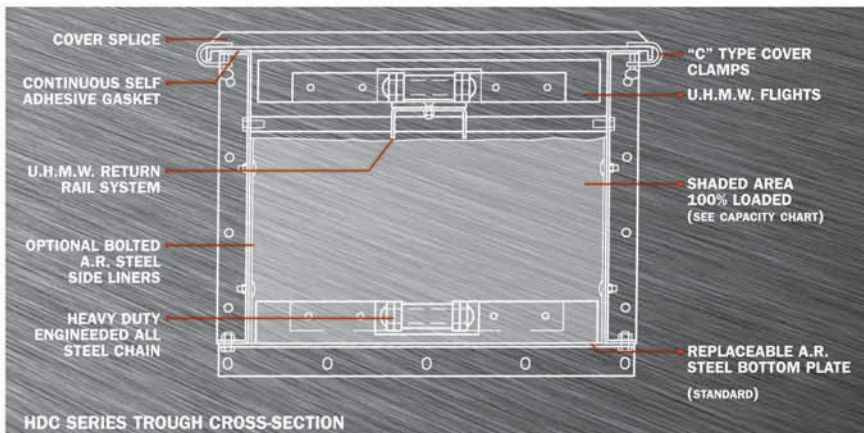
MODEL IC



MODEL IDC

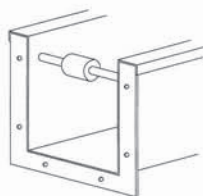


MODEL ICV



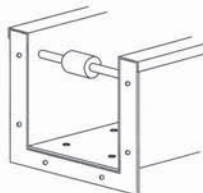
Trough Designs

DC SERIES TROUGHS



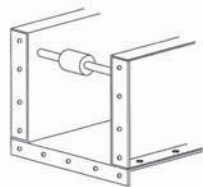
TYPE 1

For light duty service.



TYPE 2

For moderate use – features bolted U.H.M.W. or A.R. steel bottom liner.

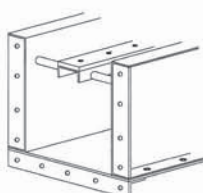


TYPE 3

Our standard for more demanding performance with bolted A.R. steel replaceable bottom plates.

DC Series troughs come standard with U.H.M.W. return roller (Optional U.H.M.W. Return Rail)

HDC SERIES TROUGHS

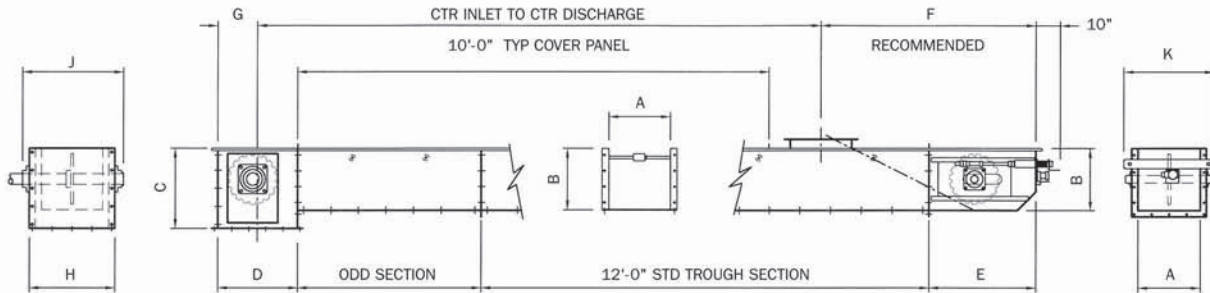


Shown with standard U.H.M.W. return rail.

All models available with optional bolted A.R. steel side liners



DC Series Chain Drag Conveyor



Dimensions:

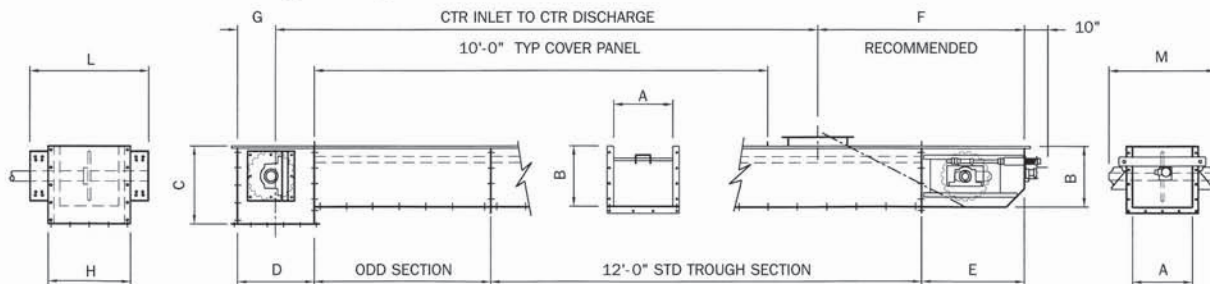
Capacity:

| MODEL | A | B | C | D | E | F | G | H | J | K | BPH | | CFH | | MTPH | |
|---------------------|-----------|-------------|--------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-------|---------|-------|---------|-------|---------|
| | | | | | | | | | | | 1-FPM | 200-FPM | 1-FPM | 200-FPM | 1-FPM | 200-FPM |
| 810 (200 X 250) | 8 203 | 10 254 | 15.75 400 | 20 508 | 26 660 | 38 965 | 10 254 | 14 356 | 18 457 | 17 432 | 15 | 3000 | 19 | 3800 | 0.41 | 82 |
| 1210 (300 X 250) | 12 305 | 10 254 | 15.75 400 | 20 508 | 26 660 | 38 965 | 10 254 | 18 457 | 22 559 | 22 559 | 23 | 4600 | 29 | 5800 | 0.63 | 126 |
| 1214 (300 X 350) | 12 305 | 14 356 | 19.75 502 | 22 559 | 29 737 | 48 1219 | 11 279 | 18 457 | 22 559 | 22 559 | 38 | 7600 | 48 | 9600 | 1.03 | 206 |
| 1216 (300 X 400) | 12 305 | 16.5 419 | 19.75 502 | 24 610 | 35 889 | 58 1473 | 12 305 | 18 457 | 22 559 | 22 559 | 45 | 9000 | 56 | 11200 | 1.22 | 244 |
| 1616 (400 X 400) | 16 406 | 16.5 419 | 22.5 572 | 24 610 | 35 889 | 60 1524 | 12 305 | 22 559 | 30 762 | 26 660 | 60 | 12000 | 75 | 15000 | 1.63 | 326 |
| 2016 (500 X 400) | 20 508 | 16.5 419 | 22.5 572 | 24 610 | 35 889 | 62 1575 | 12 305 | 26 660 | 36 914 | 30 762 | 76 | 15200 | 95 | 19000 | 2.07 | 414 |
| 1620 (400 X 500) | 16 406 | 20 508 | 26 660 | 26 660 | 35 889 | 66 1676 | 13 330 | 24 610 | 30 762 | 26 660 | 80 | 16000 | 100 | 20000 | 2.18 | 424 |
| 2020 (500 X 500) | 20 508 | 20 508 | 26 660 | 26 660 | 35 889 | 68 1727 | 13 330 | 28 711 | 36 914 | 30 762 | 100 | 20000 | 125 | 25000 | 2.72 | 534 |
| 2420 (600 X 500) | 24 610 | 20 508 | 26 660 | 26 660 | 35 889 | 70 1778 | 13 330 | 32 813 | 40 1016 | 34 864 | 120 | 24000 | 150 | 30000 | 3.27 | 636 |
| 2620 (650 X 500) | 26 660 | 20 508 | 26 660 | 26 660 | 35 889 | 71 1803 | 13 330 | 34 864 | 42 1067 | 36 914 | 130 | 26000 | 162 | 32400 | 3.54 | 692 |

- Type 3, trough assembly with return-roller standard equipment
- Flange bearings standard equipment
- All models available with HDC series construction and options
- Dimensions: Inch
mm

- Capacity is based on dry free flowing material @ 48 PCF (117 kg/m³)
- Capacity is based on using roller chain
- General specifications and dimensions are intended to provide sales assistance and a preliminary guide to layout only.

HDC Series Chain Drag Conveyor



Dimensions:

Capacity:

| MODEL | A | B | C | D | E | F | G | H | L | M | BPH | | CFH | | MTPH | |
|---------------------|-----------|-----------|------------|------------|------------|-------------|-----------|------------|------------|------------|-------|---------|-------|---------|-------|---------|
| | | | | | | | | | | | 1-FPM | 160-FPM | 1-FPM | 160-FPM | 1-FPM | 160-FPM |
| 2426 (600 X 650) | 24 610 | 26 660 | 32 813 | 34 864 | 46 1168 | 81 2057 | 17 432 | 32 813 | 52 1321 | 39 991 | 148 | 23680 | 185 | 29600 | 4.03 | 650 |
| 3026 (750 X 650) | 30 762 | 26 660 | 32 813 | 34 864 | 46 1168 | 84 2134 | 17 432 | 38 965 | 58 1473 | 43 1092 | 186 | 29760 | 233 | 37280 | 5.06 | 810 |
| 3036 (750 X 900) | 30 762 | 36 914 | 42 1067 | 48 1219 | 51 1295 | 100 2540 | 24 610 | 38 965 | 58 1473 | 43 1092 | 224 | 35840 | 280 | 44800 | 6.10 | 976 |
| 3636 (900 X 900) | 36 914 | 36 914 | 42 1067 | 48 1219 | 51 1295 | 103 2616 | 24 610 | 44 1118 | 64 1626 | 49 1245 | 337 | 53920 | 421 | 53760 | 9.17 | 1468 |

- Type 3 trough assembly with return rail standard equipment
- Pillow block bearings standard equipment (optional flange bearings)
- Bolted side liners optional
- Dimensions: Inch
mm

- Capacity is based on dry free flowing material @ 48 PCF (117 kg/m³)
- Capacity is based on using welded steel chain
- General specifications and dimensions are intended to provide sales assistance and a preliminary guide to layout only.