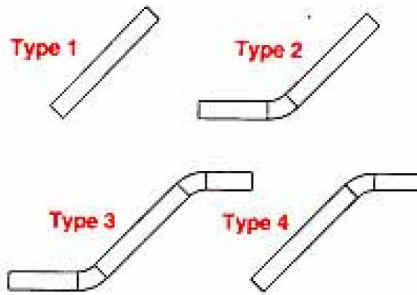


# WARDCRAFT 2 1/2" HINGED STEEL BELT

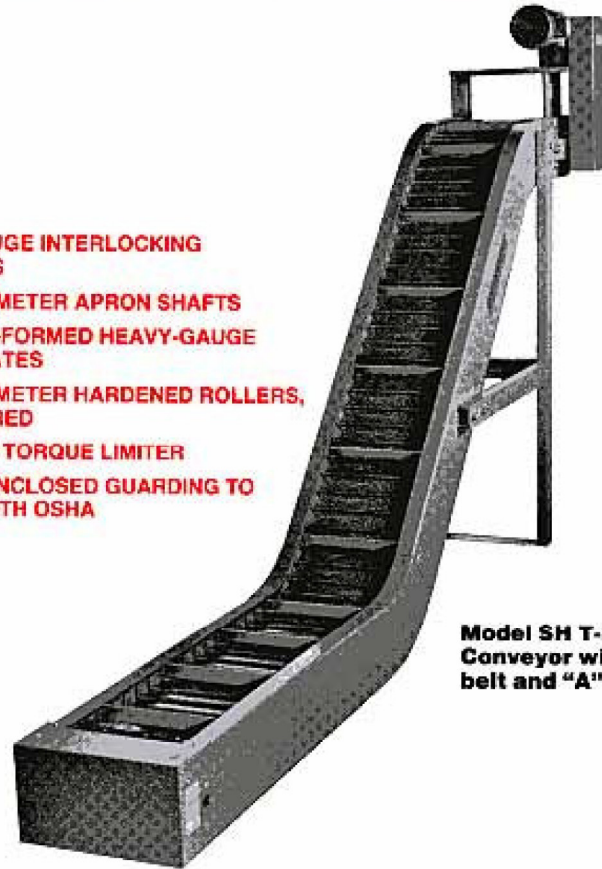
AVAILABLE MOTOR MOUNTS; SEE PG. 14

## BASIC CONVEYOR CONFIGURATIONS



(other types available not shown)

- HEAVY GAUGE INTERLOCKING SIDE WINGS
- LARGE DIAMETER APRON SHAFTS
- PRECISION-FORMED HEAVY-GAUGE APRON PLATES
- LARGE DIAMETER HARDENED ROLLERS, SIDE TAPERED
- OVERLOAD TORQUE LIMITER
- TOTALLY ENCLOSED GUARDING TO COMPLY WITH OSHA



**Model SH T-3 Steel Hinge Conveyor with perforated belt and "A" motor mount.**

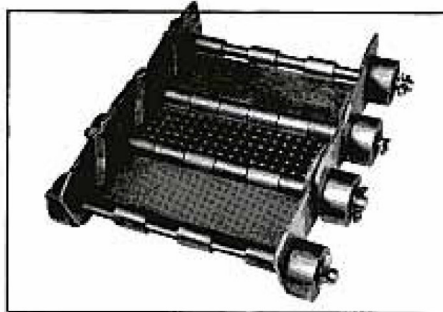
## FEATURES

WARDCRAFT'S improved heavy-duty hinged steel belt conveyors are built to perform with fewer interruptions over a longer service life. Their unique features permit continuous operation under demanding conditions, and minimize down time when repairs are ultimately required.

The conveyors were developed to meet the need of many industries for equipment to handle material which fabric, canvas, cotton or rubber belts could not successfully convey. WARDCRAFT hinged steel belt conveyors are widely used, for example, by manufacturers to remove all types of chips, (cast iron, steel, aluminum, copper, brass, bronze . . .) from machinery.

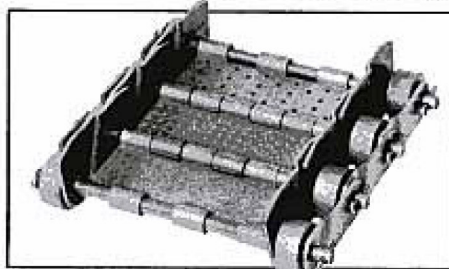
Durably constructed, these units have the characteristics required to withstand heat, shock or abrasive environments, and to run in coolant/water/oil agents. They are used to convey stampings, forgings (hot or cold), jagged scrap metal . . . or utilized as quench conveyors, or as disposal systems.

An exclusive feature of the WARDCRAFT hinged steel belt conveyors is the continuous overlapping side wings made of special heavy gauge steel, through which the apron (axle) shafts pass with close tolerances; this construction forms an integral apron that gives added strength to the belt assembly. The side wings are designed to be completely detachable; there are no spot welds that have to be ground in order to disassemble the wings.



**2 1/2-inch Pitch Steel Hinge Belt shown with side bars. Chain pull 1600#.**

Close up of belt shows details of the exclusive interlocking side wing design. There are no weldments that will rip out and cause jam-ups. Combination of functional design and durable construction assures trouble-free, long life operation. Optional side bars used, however when more chain pull is necessary.



**2 1/2-inch Pitch Steel Hinge Belt shown with side bars. Increasing chain pull to 3200#**

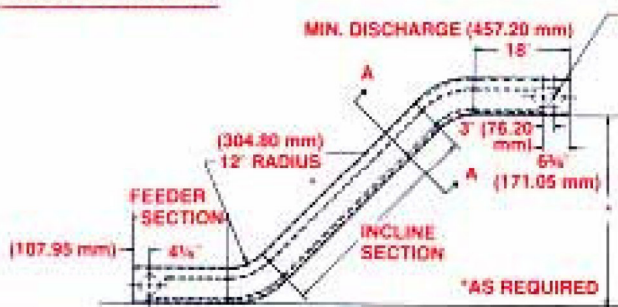
## STANDARD SPECIFICATIONS

Belt	1600# chain pull, 2 1/2-inch pitch metal belt - plain, pimpled, perforated.
Belt Widths	Std. width — 6", 8", 12", 18", 24", 30", 36". Belt may be furnished from 3" minimum to 60" maximum in 1" multiples.
Cleats	1 1/2-inch high 1/4-inch flat stock (perforated cleats also available)
Frame	10 gauge formed steel
Frame Height	9 1/4-inch
Bearing	Drive end 4 bolt - seal for life
Belt Speed	25fpm (other speeds available).
Motor & Reducer	115/220V, 60 Hz single phase, or 230/460V, 60 Hz 3 phase; NEMA 56C face TEFC motor reversible, (optional 550V), 56C flanged reducers.
Sprockets	6 tooth 5" PD cast iron
Motor Mount	A, B, & H (See Page 14) Note: A & B motor mounts have 7" clearance from belt to bottom of bridge.
Guards	Metal guards totally enclosed painted safety yellow.
Paint	Vista Green

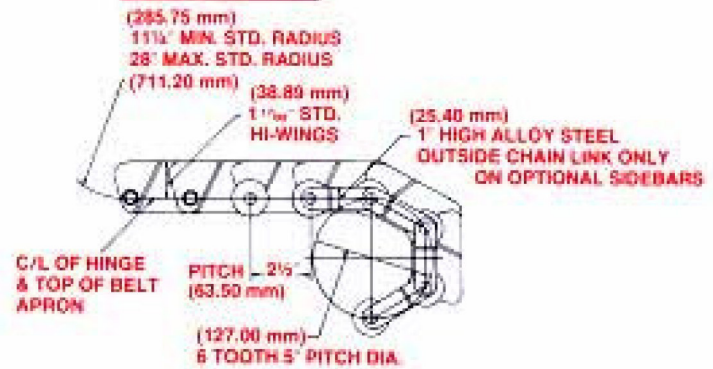
# 2 1/2" HINGED STEEL BELT **WARDCRAFT**

## TYPICAL CONVEYOR

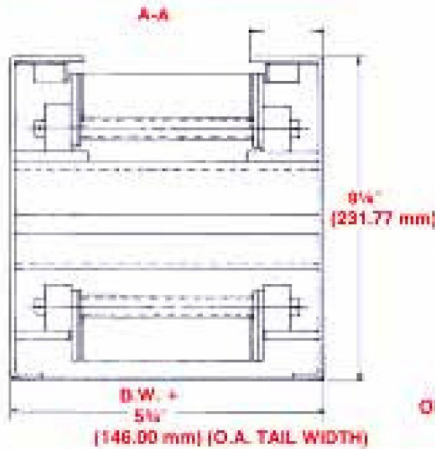
AVAILABLE MOTOR MOUNTS, SEE PG. 14



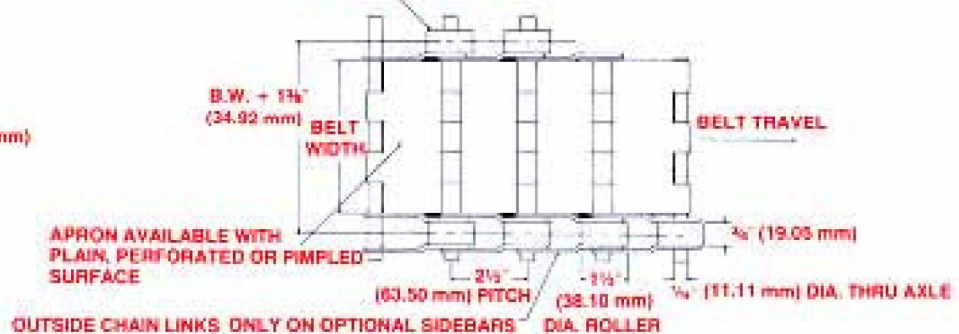
## BELT DIMENSIONS



## CONVEYOR CROSS-SECTION WITH 2 1/2-INCH PITCH BELT



## OUTBOARD ROLLERS SHOWN W/O SIDEBARS



## OPTIONAL EQUIPMENT

- Motor Mount \_\_\_\_\_ JIC Drive
- Variable Speed \_\_\_\_\_ SCR, Vardrive, or Air Motor
- Electrical \_\_\_\_\_ 1 or 3 phase, on-off switch, forward-off-reverse switch and thermal overload protection
- Controls \_\_\_\_\_
- Casters \_\_\_\_\_ 6" dia. both rigid & swivel with locks in steel & poly
- Cleat Centers \_\_\_\_\_ In 2 1/2-inch increments (5, 7 1/2, 10, 12 1/2, etc.) (Other centers available consult factory. Higher or lower cleats also available)
- Supports \_\_\_\_\_ 3" channel iron (Adjustable) \_\_\_\_\_ +3" or -6"
- Bearings \_\_\_\_\_ Re-lube type
- Cord & Plug \_\_\_\_\_ 1 or 3 phase — STO 10' long
- Belt Apron \_\_\_\_\_ Pimple-perforated
- Belt \_\_\_\_\_ Available with 3200# chain pull sidebars. Divided belt 2 lanes or more.
- Frame \_\_\_\_\_ 3/8-inch formed steel or structural. (Consult factory)

## PIMPLED

For handling parts in oily condition or with oily film.

## PERFORATED

For applications involving coolant, generally chip handling.

## PLAIN

For general parts handling applications.

## PIMPLED & PERFORATED (Optional)

For applications involving oil parts and chips where drainability is also desirable.

## DIVIDED BELT



Metal Belt standard high wings with 3 lanes used for parts handling requiring segregation of various materials.

## SPECIFICATIONS - 2 1/2" PITCH BELT

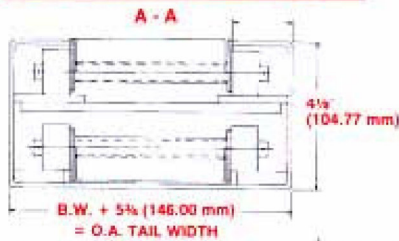
- Apron \_\_\_\_\_ 12 gauge (.1048)
- Interlocking \_\_\_\_\_
- Side Wings \_\_\_\_\_ 10 gauge (.1345)
- Rollers \_\_\_\_\_ 1 1/2-inch dia. x 3/4-inch (hardened)
- Shafts \_\_\_\_\_ 5/16-inch diameter
- Sidebars \_\_\_\_\_ 3/16-inch x 1-inch  
 Optional Belt with 3200# belt spec.
- Pimpled \_\_\_\_\_ 1296 per sq. ft. 9 per sq. inch
- Plain \_\_\_\_\_
- Perforations \_\_\_\_\_ Hole size 3/32" dia. 108 per sq. foot
- Pimpled & Perforated (optional) \_\_\_\_\_
- Allowable Chain Pull \_\_\_\_\_ 1600# without side links standard duty.  
 3200# with side links heavy duty.

To insure longevity on their wear surface the rollers are made from solid steel with the I.D. and rolling surfaces heat-treated to 64 Rockwell .008" deep. Larger in diameter than those on comparable competitive equipment the rollers are side-tapered, also for additional life.

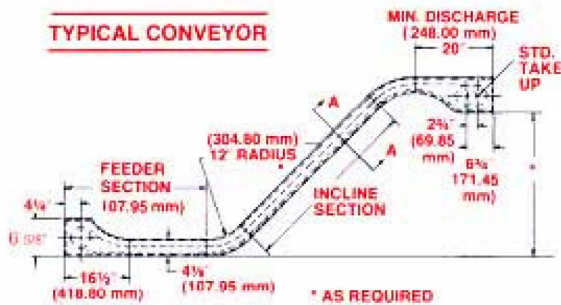
## LOW PROFILE

# WARDCRAFT 2 1/2" HINGED STEEL BELT

### CONVEYOR CROSS-SECTION WITH 2 1/2" PITCH BELT LOW PROFILE

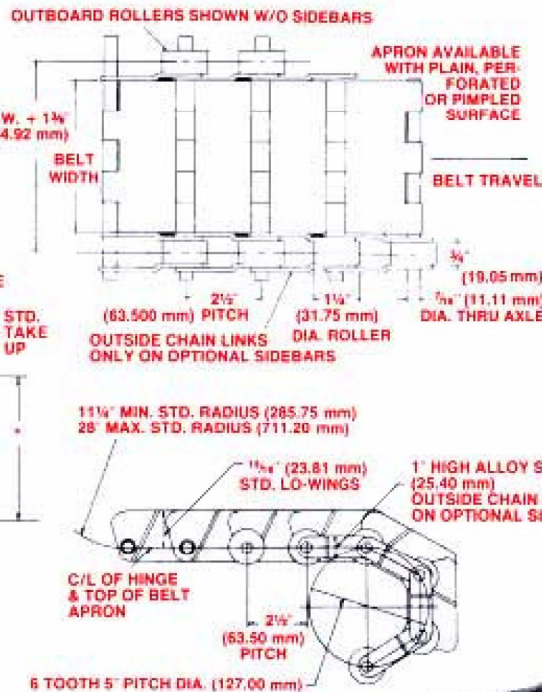


### TYPICAL CONVEYOR

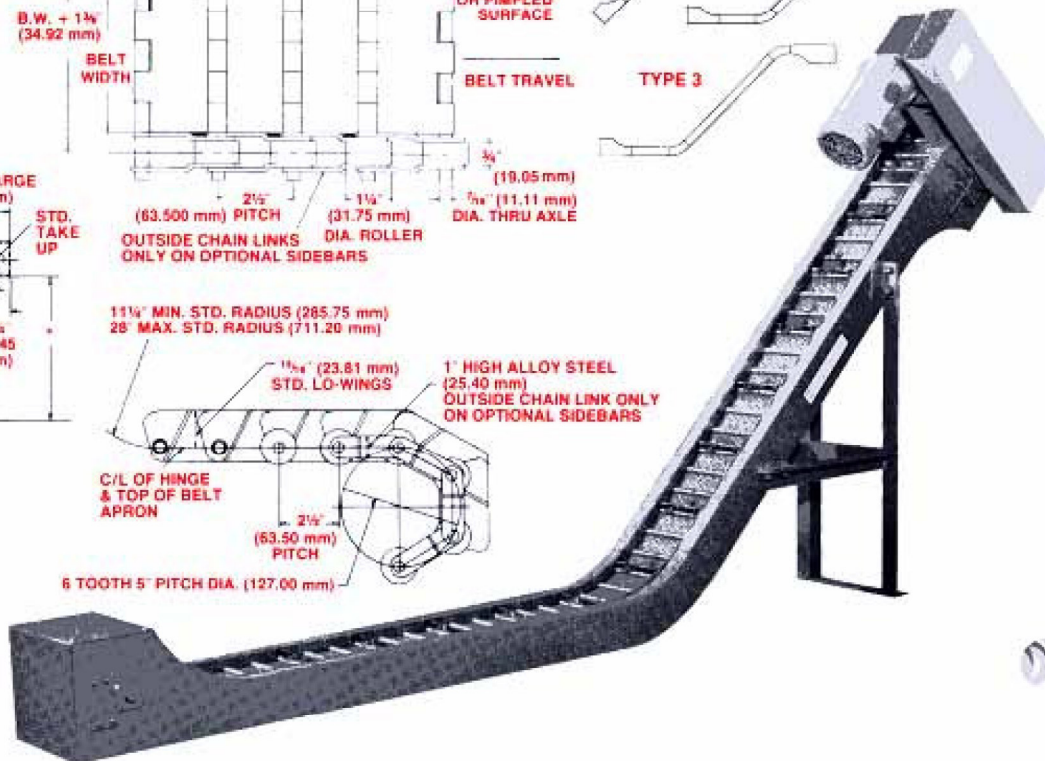
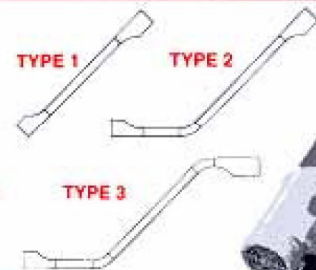


**Model SHLP T-2 Low Profile Steel Hinge Conveyor shown with "A" motor mount and exposed side wings**

### BELT DIMENSIONS



### BASIC CONVEYOR CONFIGURATIONS



### STANDARD SPECIFICATIONS

Belt	2 1/2-inch pitch metal belt low sidewing. Available in plain, pimpled, & perforated
Belt Widths	Std. Width — 6" - 8" - 12" - 18" - 24" - 30" - 36" Belt may be furnished from 3" minimum to 60" maximum in 1" multiples
Cleats	1 5/16" high, 1/4-inch flat stock (perforated cleats also available.)
Frame	10 gauge formed steel
Frame Height	Main Body - 4 1/2-inch excluding drive & tail section as shown. Also available with detachable tail section.
Bearing	Drive End 4 bolt - seal for life.
Belt Speed	25 fpm (other speeds available).
Motor & Reducer	115/220V, 60 Hz, single phase, or 230/460V, 60 Hz, 3 phase; NEMA 56C face TEFC motor reversible. (550V optional) 56C flanged reducers.
Sprockets	6 tooth 5" PD cast iron
Motor Mount	A, B. (See pg. 14). Note: A & B motor mounts have 7" clearance from belt to bottom of bridge.

Guards	_____ Metal guards totally enclosed painted safety yellow.
Paint	_____ Vista Green

WARDCRAFT'S new LOW PROFILE unit's utilized in Cold Heading & Screw Machines when low clearance is a problem. Available with cleats, height 1 5/16" maximum and exposed side wing belt construction.

### OPTIONAL EQUIPMENT

Motor Mount	_____ JIC Drive
Variable Speed	_____ SCR, Varidrive, or Air Motor
Electrical Controls	_____ 1 or 3 phase, on-off switch, forward-off-reverse switch and thermal overload protection
Casters	_____ 6" dia. both rigid & swivel with locks in steel & poly
Cleat Centers	_____ in 2 1/2-inch increments (5, 7 1/2, 10, 12 1/2, etc.) (Other centers available - consult factory) Lower cleats also available
Supports	_____ 3" channel iron (adjustable) +3" or +6"
Bearings	_____ Re-lube type
Cord & Plug	_____ 1 or 3 phase — STO — 10" long
Belt Apron	_____ Pimple-perforated
Belt	_____ Available with 3200# chain pull side bars. Divided belt 2 lanes or more.
Frame	_____ 3/16" formed steel or structural (consult factory)