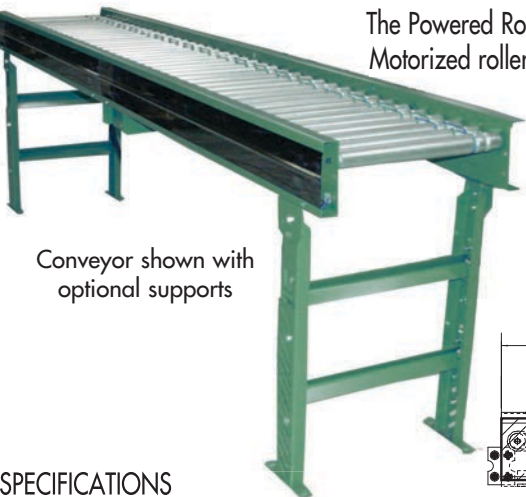
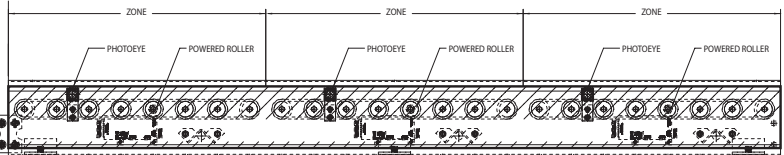
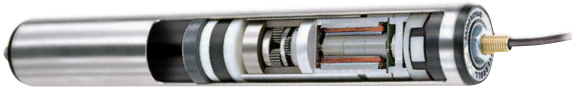


796 PRA PHOTOEYE CONTROLLED
POWERED ROLLER ZERO PRESSURE ACCUMULATOR - ROLLERS SET LOW



The Powered Roller Accumulator conveyor has revolutionized the automated conveyor industry. Motorized rollers drive the conveyors eliminating the need for drive belts, chains or line shafts.



SPECIFICATIONS

TREAD ROLLERS: 796 PRA - 1.9" dia. x 16 ga. galvanized, model 196G grooved.
796 PRAC - 2-1/2" dia. to 1-11/16" dia. x 14 ga. steel tapered rollers, model 254T.

DRIVE BELT: 3/16" dia., polyurethane belts. Nominal 15 lbs. per roller drive.

CAPACITY: 15 lbs. per roller or up to 70 lbs. per zone

SPEED: 60 FPM, constant.

ROLLER CENTERS: 3"

BED: 796 PRA - 7" x 1-3/4" x 12 ga. formed steel channel frame. Rollers set low in frame.

ACCUMULATION: Zone singulation operation; 24" zone length; zones are actuated using a photoeye
MOTOR DRIVE: 796 PRA - Driven by 24V DC Powered Roller.
796 PRAC - Indirect driven by 24 VDC Powered Roller. (See end view drawing below)

BEARINGS: Precision ABEC bearings.

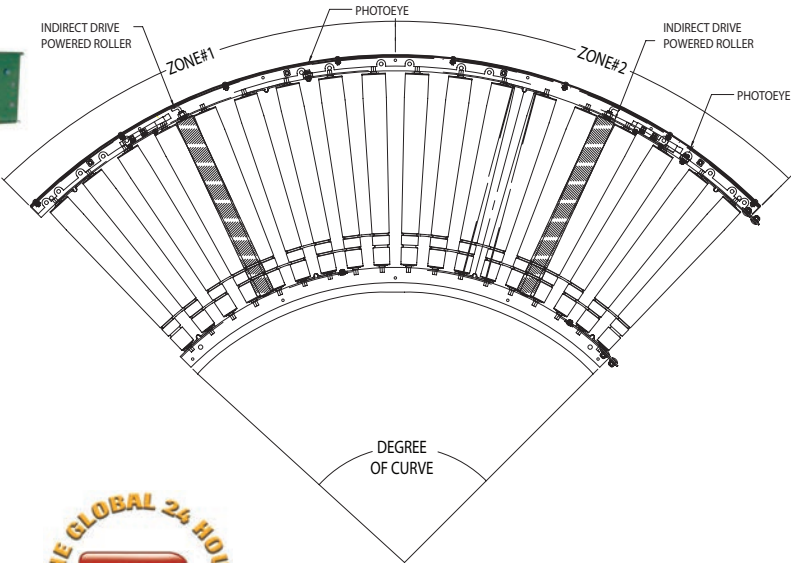
DC POWER SUPPLY: 24 volt fixed output required

| ZONES | AMP |
|---------------|--------|
| 1 - 2 ZONES | 6 AMP |
| 3 - 8 ZONES | 10 AMP |
| 9 - 17 ZONES | 20 AMP |
| 18 - 26 ZONES | 30 AMP |
| 27 - 36 ZONES | 40 AMP |

MODEL 796 PRAC W/ PHOTOEYE CONTROLLED
POWERED ROLLER ACCUMULATOR CURVE 30°, 45°, 60° AND 90° MODULES



See chart on next page for number of zones for curves



SPECIFICATION TABLE

■ 4 week shipment

| CONVEYOR LENGTH | | 10' | 20' | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | Deduct |
|-----------------|-----|--|-----|------|------|------|------|------|------|------|------|----------|
| BF | OAW | UNIT WEIGHTS (lbs.) with 3" Roller Centers (For other centers, deduct weights below) | | | | | | | | | | Per Foot |
| 15" | 18" | 205 | 410 | 615 | 820 | 1025 | 1230 | 1435 | 1640 | 1845 | 2050 | 21 |
| 19" | 21" | 230 | 460 | 690 | 920 | 1150 | 1380 | 1610 | 1840 | 2070 | 2300 | 23 |
| 21" | 24" | 242 | 484 | 726 | 968 | 1210 | 1452 | 1694 | 1936 | 2178 | 2420 | 24 |
| 25" | 28" | 266 | 532 | 798 | 1064 | 1330 | 1596 | 1862 | 2128 | 2394 | 2660 | 27 |
| 27" | 30" | 279 | 558 | 837 | 1116 | 1395 | 1674 | 1953 | 2232 | 2511 | 2790 | 28 |
| 33" | 36" | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 | 2907 | 3230 | 32 |
| 39" | 42" | 361 | 722 | 1083 | 1444 | 1805 | 2166 | 2527 | 2888 | 3249 | 3610 | 36 |

| DEGREE | | | 90° | | | | | 60° | | | | | 45° | | | | | 30° | | | | |
|--------|---------|---------------|-----------|-------------|-----------------|------------------|----------|-----------|-------------|----------------|------------------|----------|-----------|-------------|-------------|----------------|----------|-----------|-------------|----------------|------------------|----------|
| BF | OAW | INSIDE RADIUS | WT (LBS.) | IR/RC OR/RC | TAPERED ROLLERS | DRIVE ROLLER QTY | ZONE QTY | WT (LBS.) | IR/RC OR/RC | TAPERED ROLLER | DRIVE ROLLER QTY | ZONE QTY | WT (LBS.) | IR/RC OR/RC | ROLLER QTY. | TAPERED ROLLER | ZONE QTY | WT (LBS.) | IR/RC OR/RC | TAPERED ROLLER | DRIVE ROLLER QTY | ZONE QTY |
| 15" | 18-1/2" | 32½" | 229 | 2.84" 4.15" | 18 | 2 | 2 | 180 | 2.84" 4.15" | 12 | 2 | 1 | 169 | 2.84" 4.15" | 9 | 1 | 1 | 146 | 2.84" 4.15" | 6 | 1 | 1 |
| 19" | 22-1/2" | 32½" | 280 | 2.84" 4.49" | 18 | 2 | 2 | 206 | 2.84" 4.49" | 12 | 2 | 1 | 200 | 2.84" 4.49" | 9 | 1 | 1 | 169 | 2.84" 4.49" | 6 | 1 | 1 |
| 21" | 24-1/2" | 32½" | 305 | 2.84" 4.67" | 18 | 2 | 2 | 210 | 2.84" 4.67" | 12 | 2 | 1 | 216 | 2.84" 4.67" | 9 | 1 | 1 | 180 | 2.84" 4.67" | 6 | 1 | 1 |
| 25" | 28-1/2" | 32½" | 355 | 2.84" 5.02" | 18 | 2 | 2 | 238 | 2.84" 5.02" | 12 | 2 | 1 | 247 | 2.84" 5.02" | 9 | 1 | 1 | 202 | 2.84" 5.02" | 6 | 1 | 1 |
| 27" | 30-1/2" | 32½" | 381 | 2.84" 5.19" | 18 | 2 | 2 | 250 | 2.84" 5.19" | 12 | 2 | 1 | 262 | 2.84" 5.19" | 9 | 1 | 1 | 214 | 2.84" 5.19" | 6 | 1 | 1 |
| 33" | 36-1/2" | 48" | 456 | 2.90" 4.89" | 26 | 3 | 3 | 323 | 3.14" 5.30" | 17 | 2 | 2 | 309 | 2.90" 4.89" | 13 | 2 | 1 | 247 | 3.14" 5.30" | 9 | 1 | 1 |
| 39" | 42-1/2" | 48" | 532 | 2.90" 5.26" | 26 | 3 | 3 | 370 | 3.14" 5.69" | 17 | 2 | 2 | 355 | 2.90" 5.26" | 13 | 2 | 1 | 281 | 3.14" 5.69" | 9 | 1 | 1 |

OPTIONAL EQUIPMENT

ACCUMULATION ZONES: 18" and 30" long zones available, depending on roller centers.

FLOOR SUPPORTS: Supports, knee braces, casters and polytier supports available. See Conveyor Accessories.

CONVEYOR SPEED: Constant speed 34-260 FPM

CEILING HANGERS: 5/8" dia. threaded rod with hardware to attach rods to conveyor. Provides 6' clearance between ceiling and TOR (furnished in place of floor supports). See Conveyor Accessories.

DIFFUSE PHOTOEYE: Photoeyes mounted below the tread rollers.

BED: Control side 7" x 1-3/4" x 12 ga. formed steel channel frame. Rollers set low in frame.

Outside channel 5" x 1-3/4" x 10 ga. formed steel channel frame. Rollers set high in frame.

