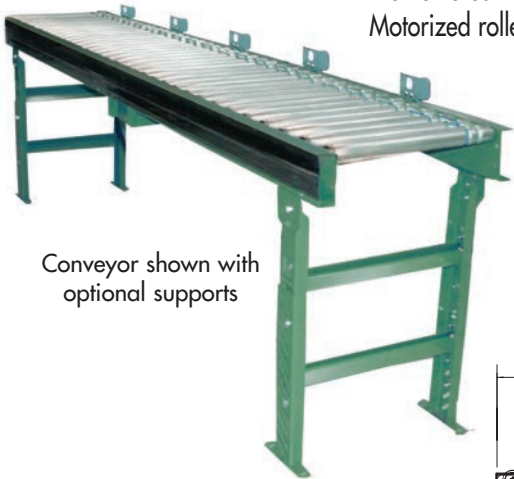
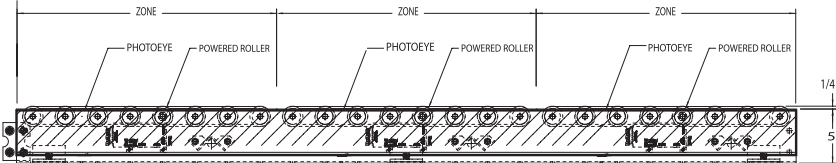
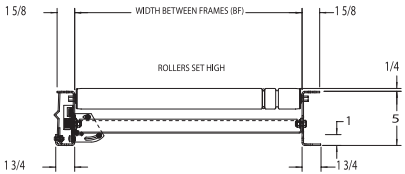


596 PRA PHOTOEYE CONTROLLED
POWERED ROLLER ZERO PRESSURE ACCUMULATOR - ROLLERS SET HIGH

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.



Conveyor shown with optional supports



SPECIFICATIONS

TREAD ROLLERS: 596 PRA -1.9" dia. x 16 ga. galvanized, model 196G grooved.
596 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: 596 PRA - 5" x 1-3/4" x 10 ga. formed steel channel frame. Rollers set high in frame

ACCUMULATION: Zone singulation operation; 24" zone length; zones are actuated using a photoeye
MOTOR DRIVE: 596 PRA - Driven by 24V DC Powered Roller. 596 PRAC - Indirect driven by 24 VDC Powered Roller. (See end view drawing below)

BEARINGS: Precision ABEC bearings.

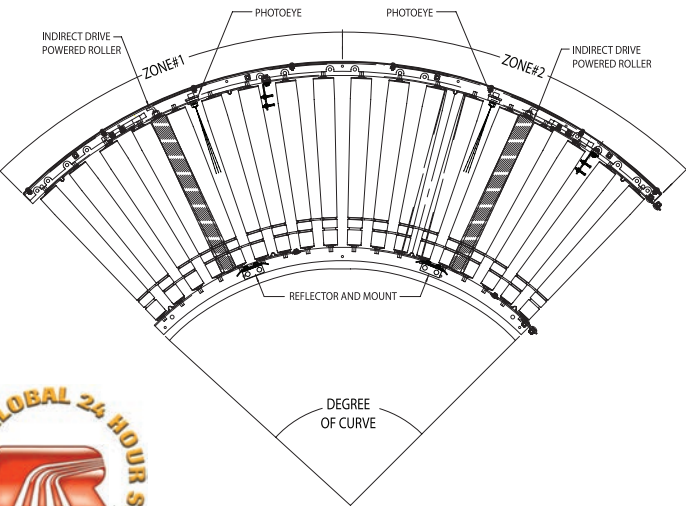
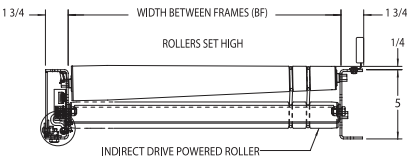
DC POWER SUPPLY: 24 volt fixed output required

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 596 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.

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.

CONVEYOR SPEED: Constant speed 34 - 260 FPM
DIFFUSE PHOTOEYE: Photoeye mounted below the tread rollers



OPTIONAL 3-STRAND 90° ROUND BELT TRANSFER



OPTIONAL DIFFUSE PHOTOEYE

