Tapered Roller Assemblies

ADVANTAGES:

- **Smooth, alternate means of redirecting baggage**
- **Available in matching standard belt widths**

OVERVIEW:

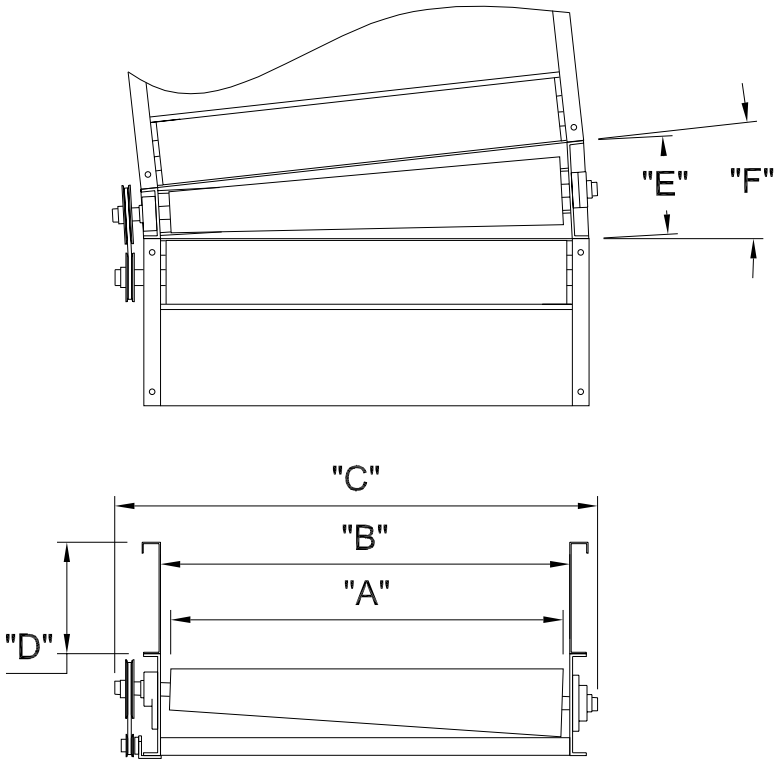
Tapered roller assemblies are an alternative means of transferring baggage through minor angular changes in flow, without affecting the orientation of the baggage relative to the conveying surface. These are commonly used to minimize the gap between two adjacent skewed conveyors, or to span a deviation angle that is less than power curves are capable of.

Available for all standard conveyor widths, tapered roller can be single, double or triple roller combinations with the following angular ranges:

- Single Roller: 3° to 6° deviation
- Double Roller: 7° to 11° deviation
- Triple Roller: 12° to 16° deviation

CONSTRUCTION

Tapered roller assemblies consist of lagged tapered rollers, which are slave-driven from the preceding conveyor and mounted in a rigid, mild steel frame.

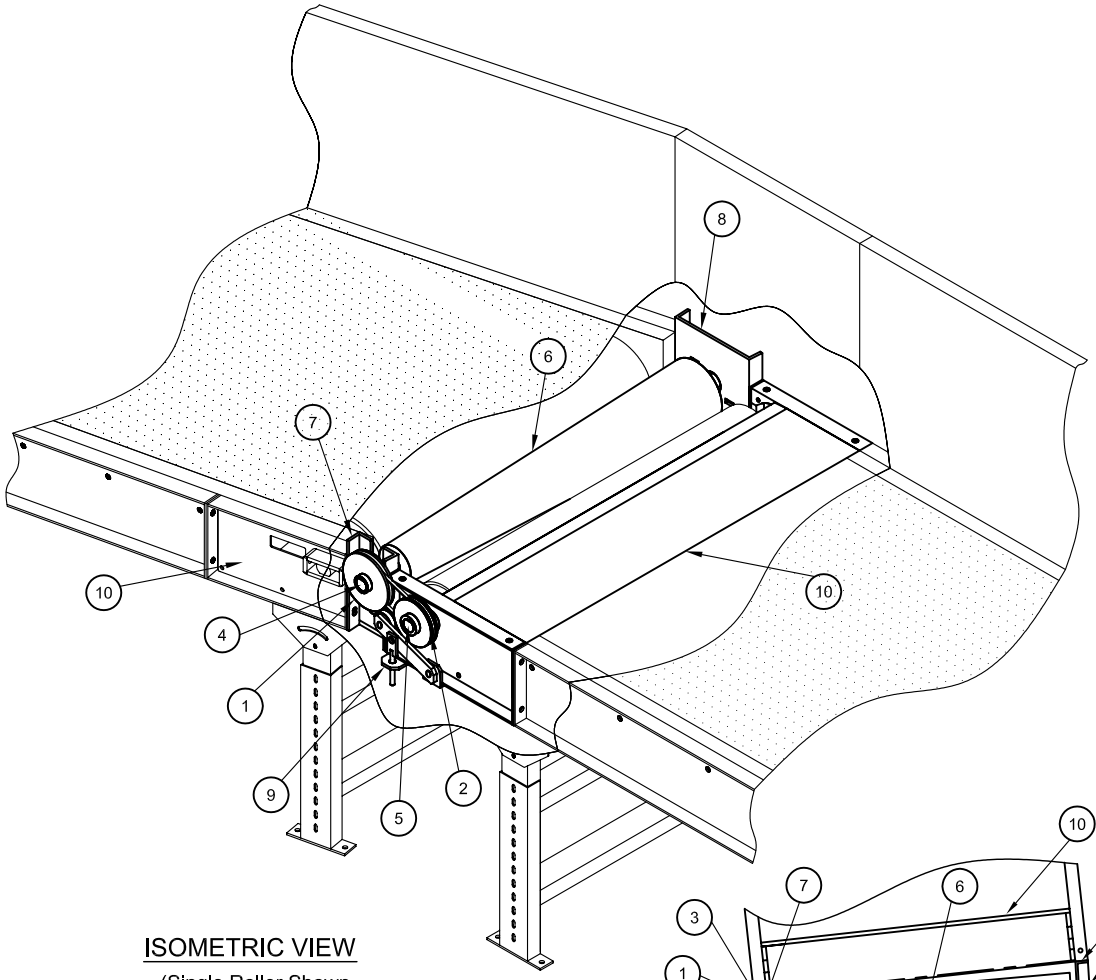


* Single Taper Roller Shown

TAPERED ROLLER ASSEMBLY SPECIFICATIONS	
Description	**G&S Standards**
Dimensions	
Belt Width ("A") **	30" (762mm), 33" (838mm), 36" (914mm), 48" (1219mm)
Betw een Frame Width ("B")	33"(838mm), 36" (914mm), 39" (991mm), 51" (1295mm)
Overall Width ("C")	36" (914mm), 39" (991mm), 42" (1067mm), 54" (1372mm)
Sideguard Height ("D")	0" (0mm), 9" (229mm), 12" (305mm), 21" (533mm)
Conveyor Length ("E")	Single - 8 13/16" (224mm) Double - 17⅝" (448mm) Triple - 26 7/16" (671mm)
Deviation Angle ("F")	Single - 3°-6° Double - 7°-11° Triple - 12°-15°
Rollers	
Tapered Roller CL. Dia (lagged)	Ø3.8" (97mm), Ø3.6" (91mm), Ø4.1" (104mm), Ø5.4" (137mm)
Specifications	
Speed	To suit adjacent conveyor

** Other belt widths available with extended lead times.

TAPERED ROLLER ASSEMBLY



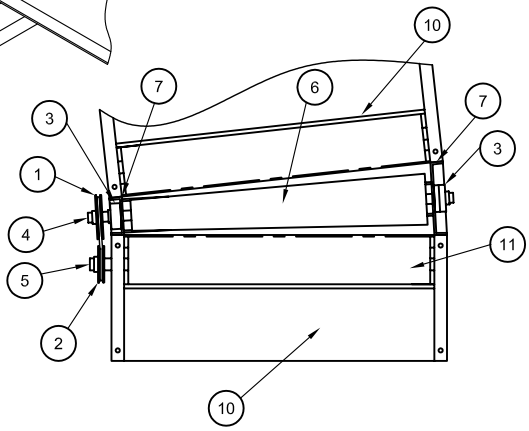
ISOMETRIC VIEW

(Single Roller Shown.
Double or Triple Rollers Available as
Required by System Layout)

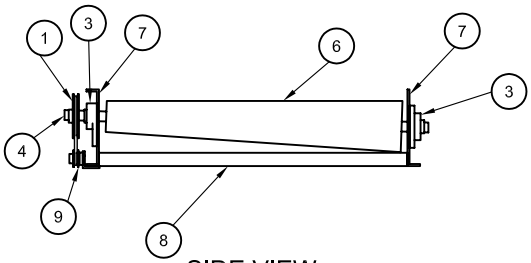
ITEM	COMPONENT
1	*Driven Sheave/Sprocket
2	Driver Sheave/Sprocket
3	Bearing
4	Tapered Roller Shaft
5	Custom GT Tail Shaft
6	Lagged Tapered Roller
7	Side Frame
8	Crossmember
9	Take-up Assembly
10	GT Tail Unit
11	GT Tail Roller

**Note: Tapered Roller is "Slave" Driven from Tail of Adjacent Conveyor.

*Design is dependant on site conditions and access.



TOP VIEW



SIDE VIEW