Model 48/49

STANDARD SPECIFICATIONS:

Roll-To-Roll Chain Driven Live Roller Conveyors

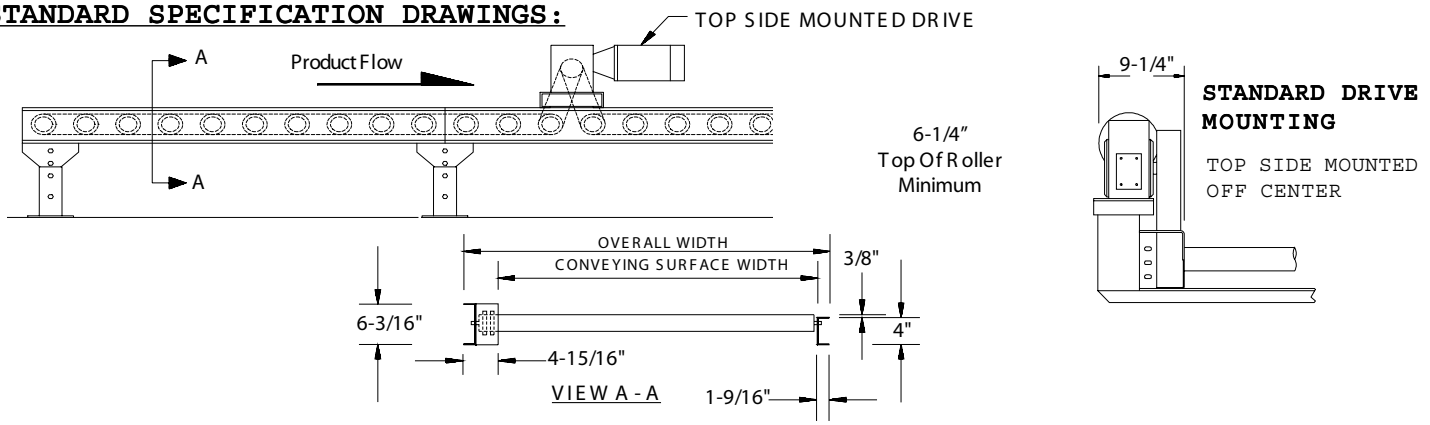
Model 48 - Roll-To-Roll Chain Driven Live Roller Conveyor

	Model 48	Model 49
Lengths:	5'-0" or 10'-0" increments.	
Overall Widths:	40-1/2", 42-1/2", 48-1/2", 54-1/2", 60-1/2"	
Between Frame Widths:	37", 39", 45", 51", 57"	
Conveying Surface Widths:	34", 36", 42", 48", 54"	
Rollers:	2-1/2 in. dia. x 11 ga. unplated rollers with 11/16" hex shaft.	2-5/8 in. dia. x 7 ga. unplated rollers with 11/16" hex shaft.
Roller Centers:	4", 5", 6"	
Frame:	4" @ 5.4# and 6" @ 8.2# painted structural steel channel frame. Top of roller is 3/8" above top of 4" channel.	
Drive:	Top side mounted off center.	
Drive Chain:	#40 for 4" centers, #50 for 5" centers, and #60 for 6" centers.	
Chain Guard:	Totally enclosed for increased safety.	
Bearings:	Heavy duty grease-packed labyrinth sealed ball bearings.	
Motor:	3/4 HP, 230/460 V., 3 phase, totally enclosed C-faced.	
Speed:	Constant 30 FPM.	
Speed Reduction:	Right angle sealed worm gear C-faced.	
Paint:	Uniflo Dark Blue.	
Supports:	15" - 18" measuring from floor to top of roller.	
Capacity:	1000 lb./ft. live load, 4000 lbs. maximum unit load.	

OPTIONAL EQUIPMENT:

Motors: 1 horsepower.
Guard Rails: See accessories section of this brochure for more details.
Paint: Special colors, powder coat.

STANDARD SPECIFICATION DRAWINGS:



CONVEYOR WEIGHTS:

(10' Section With Drive)
Weights calculated on 5" Roller Centers, #50 chain.

Conveying Surface Widths	34"	36"	42"	48"	54"
Model 48 - 10' Section (Weight)	744#	766#	830#	894#	958#
Per Foot Less Drive (Weight)	69#	71#	77#	84#	90#
Model 49 - 10' Section (Weight)	888#	915#	998#	1079#	1161#
Per Foot Less Drive (Weight)	83#	86#	94#	102#	110#

For #60 chain
Multiply by 1.06
For 6" roller centers
Multiply by .875

HORSEPOWER CAPACITY:

Conveying Surface Widths		34"		36"		42"		48"		54"	
HP		3/4	1	3/4	1	3/4	1	3/4	1	3/4	1
Nominal Length	10'	1000		1000		1000		1000		1000	
	20'	787	1000	785	1000	780	1000	775	1000	768	1000
	30'	362	499	360	497	355	490	350	485	343	480
	40'	223	312	221	310	216	302	209	298	204	293
	50'	142	204	139	202	134	197	130	190	122	185
	60'	91	134	89	132	82	127	77	122	72	115

*Chart based on 5" roller centers, 30 FPM, and conveyor with center drive.

Several types and configurations of loads can be successfully conveyed on conventional Uniflo Technologies heavy duty conveyor equipment. General descriptions of some of these types of loads are listed below. Following each description is the suggested Uniflo Technologies equipment that is, under general conditions, appropriate to handle these types of loads.

1. Unit Loads

Individual unit loads such as cartons, boxes, tote boxes, drums, and containerized loads. (See Figure 1)

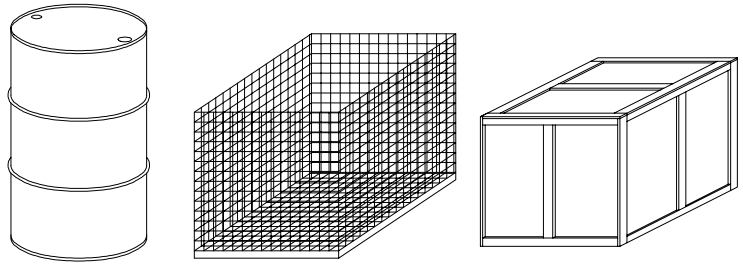


Figure 1

Suggested Equipment

All Uniflo models, except the Model 46 Chain Conveyor, can be applied. The most efficient application for transportation would be Models 48/49. The use of Models 58/59 (straight roller curves) should be restricted to applications where load orientation is not important, such as drum handling. Both in-the-frame and through-the-frame transfers and turntables can be applied. (See Transfers and Turntables Brochure for more details.)

2. Unitized Loads

Groups, stacks and/or patterned layers of unit loads. (See Figure 2)

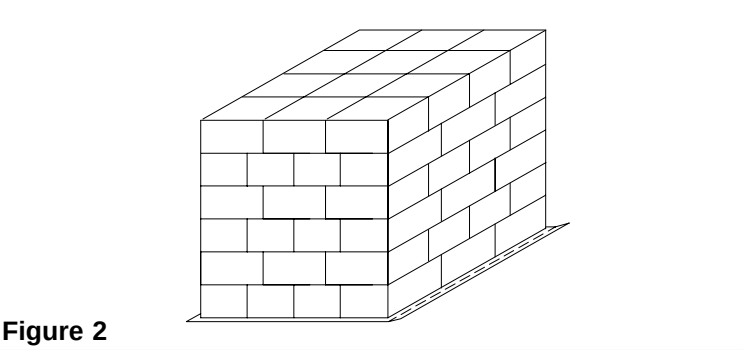


Figure 2

Suggested Equipment

Unless the unit size is very large, the unitized loads should be on a pull sheet. Models 47, 48/49, and 68/69 can be applied when close roll centers are specified. If less than 4" roll centers are required for Models 48/49 and 68/69, it will be necessary to have roll-to-roll chain drives on both sides of the conveyor. This will require a chain box on each side of the conveyor, thus limiting access for loading/unloading and narrowing the effective width of the conveyor.

3. Pallet Loads

Unitized loads or single large unit loads on pallets or plywood sheets. (See Figure 3)

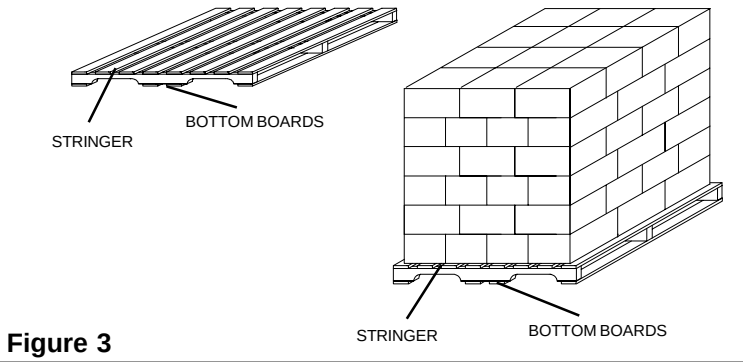


Figure 3

Suggested Equipment

All Uniflo Technologies models can be applied when pallets are in good condition and have bottom boards that are parallel to the direction of travel. In the absence of bottom boards, the pallet stringers must be in the direction of travel. When the bottom boards are at right angles to the direction of flow, Uniflo Technologies Model 46 is preferred. When conveying loads on plywood sheets (sometimes referred to as slave pallets), all Uniflo Technologies models can be applied.