

# MODEL 254S 2-1/2" DIA. X 14 GA. STEEL GRAVITY ROLLER CONVEYOR

24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON STRAIGHT SECTIONS

**STRAIGHT SECTION MODEL NUMBER**  
254S-43-9-H-4  
254S-(between frames)-(roller centers)-  
(set high or low)-(length)

**CURVED SECTION MODEL NUMBER**  
254SC-19-H-45  
254SC-(between frames)-(set high or low)-(degree)



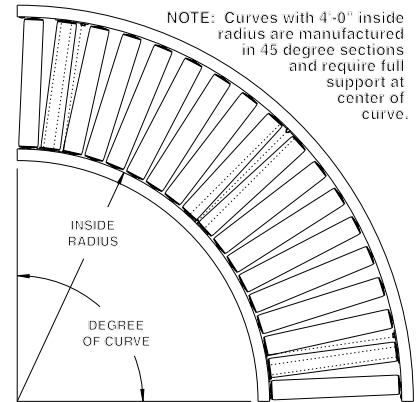
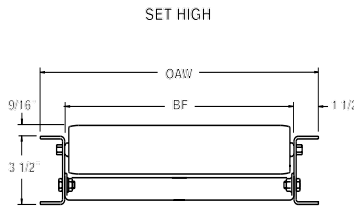
Optional: Use SM supports on page 138



Double roller design



Single roller design



## SPECIFICATIONS

**ROLLERS:** 2-1/2" x 14 ga. steel tubing, model 254S, with smooth swaged ends.

**FRAMES:** Formed steel painted channel 3-1/2" x 1-1/2" x 10 ga. set high; 4-1/2" x 1-1/2" x 10 ga. set low.

**ROLLER CAPACITY:** 290 lbs. per roller.

**BEARINGS:** Integral plain ball bearings, zinc plated, grease packed.

**FRAME CAPACITY:** 1300 lbs. maximum distributed live load per 10' section with supports at 10' centers; 3200 lbs. at 5' centers.

**COUPLINGS:** Butt type.

**AXLES:** 7/16" hex shaft, spring loaded.

**OPTIONAL FRAME:** For structural steel channel frame, see next page.

STRAIGHT SECTION (WT lbs.)							CURVED SECTIONS					
Normal Roller Length	Between Frames	3" RC 10'	4.5" RC 10'	6" RC 10'	9" RC 10'	12" RC 10'	Curve Inside Radius	Curve Roller Design	90° Rollers Per Curve	90° WT. lbs.	45° Rollers Per Curve	45° WT. lbs.
12"	13"	183	144	125	106	96	2'-8-1/2"	Single	18	217	9	120
14"	15"	203	158	136	113	102	2'-8-1/2"	Single	18	246	1	134
16"	17"	222	172	146	121	108	2'-8-1/2"	Single	18	274	9	147
18"	19"	242	185	157	129	114	2'-8-1/2"	Single	18	303	9	161
20'	21"	262	199	168	136	120	2'-8-1/2"	Single	18	331	9	175
22"	23"	281	213	178	144	127	2'-8-1/2"	Double	37	360	17	188
24"	25"	301	226	189	151	133	2'-8-1/2"	Double	37	388	17	202
26"	27"	321	240	199	159	139	2'-8-1/2"	Double	37	417	17	216
30"	31"	360	267	221	174	151	4'	Double	40	474	20	243
32"	33"	380	281	231	182	157	4'	Double	40	503	20	257
36"	37"	419	308	253	197	169	4'	Double	40	560	20	284
38"	39"	439	322	263	205	175	4'	Double	40	589	20	298
42"	43"	478	349	284	220	188	4'	Double	40	646	20	325
46"	47"	518	376	306	235	200	4'	Double	40	703	20	353
50"	51"	557	404	327	250	212	4'	Double	40	760	20	380
Per Foot		10	7	5	4	3	Per Foot		-	14	-	7

## WARNING

To prevent pinch points that exist when gravity conveyors are permanently attached to power conveyors, use connector brackets with safety pop-out rollers shown on pg. 100.

■ 24 hour shipment

