

# MODEL 251S 2-1/2" DIA. X 11 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**  
251S-51-3-H-8

251S-(between frames)-(roller centers)-  
(set high or low)-(length)

**CURVED SECTION MODEL NUMBER**  
251SC-33-L-90

251SC-(between frames)-(set high or low)-(degree)

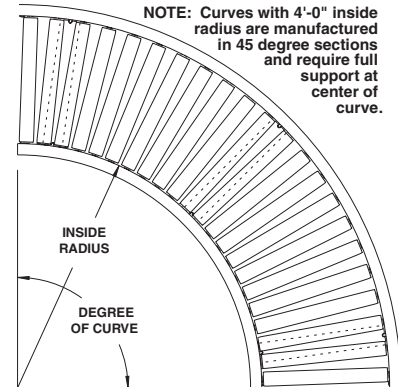
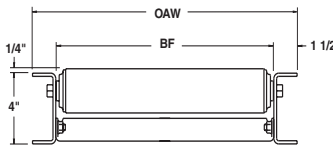
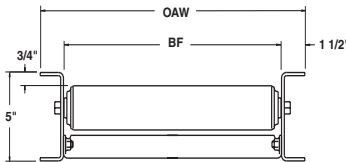
Optional: Use SH or SS supports on page 139



Double roller design



Single roller design



## SPECIFICATIONS

**ROLLERS:** 2-1/2" x 11 ga. steel tubing, model 251S, with flanged type bearings pressed into straight ends.

**ROLLER CAPACITY:** 540 lbs. per roller.

**BEARINGS:** Precision ABEC bearings.

**FRAMES:** Formed steel painted channel 4" x 1-1/2" x 7 ga. set high; 5" x 1-1/2" x 7 ga. set low.

**FRAME CAPACITY:** 3400 lbs. maximum distributed live load per 10' section with supports at 10' ctrs; 7500 lbs. at 5' ctrs.

**COUPLINGS:** Butt type.

**AXLES:** 11/16" hex shaft, spring loaded.

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

STRAIGHT SECTION (WT lbs.)							CURVED SECTIONS					
Nominal 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.
*6"	*7"	234	186	161	137	125	-	-	-	-	-	-
12"	13"	327	249	210	171	152	2'-8-1/2"	Single	18	217	9	120
14"	15"	358	270	227	183	161	2'-8-1/2"	Single	18	246	9	134
16"	17"	389	292	243	194	170	2'-8-1/2"	Single	18	274	9	147
18"	19"	421	313	259	205	178	2'-8-1/2"	Single	18	303	9	161
20'	21"	452	334	275	217	187	2'-8-1/2"	Single	18	331	9	175
22"	23"	483	355	292	228	196	2'-8-1/2"	Single	18	360	9	188
24"	25"	514	377	308	239	205	2'-8-1/2"	Single	18	388	9	202
26"	27"	545	398	324	251	214	2'-8-1/2"	Single	18	417	9	216
30"	31"	607	440	357	274	232	4'	Double	40	474	20	243
32"	33"	638	462	373	285	241	4'	Double	40	503	20	257
36"	37"	700	504	406	308	259	4'	Double	40	560	20	284
38"	39"	731	525	422	319	268	4'	Double	40	589	20	298
42"	43"	794	568	455	342	285	4'	Double	40	646	20	325
46"	47"	856	610	487	365	303	4'	Double	40	703	20	353
50"	51"	918	653	520	387	321	4'	Double	40	760	20	380

\*7" BF and 9" BF straight sections furnished with spring loaded shafts in set high position ONLY.



## 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