

# MODEL 251S STRUCTURAL 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



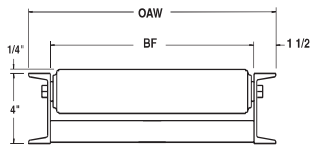
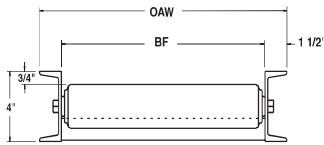
Optional: Use SH or SS supports on page 139



Double roller design



Single roller design

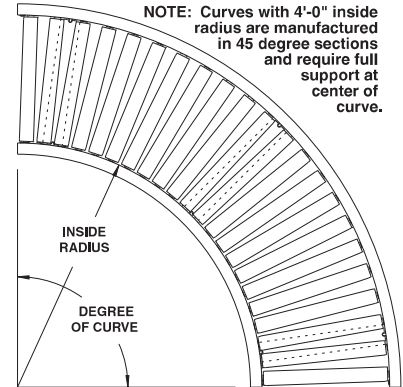


**STRAIGHT SECTION MODEL NUMBER**  
251S-45-6-L-9-S

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

**CURVED SECTION MODEL NUMBER**  
251SC-31-H-90-S

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



## 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:** 4" at 5.4 lbs. structural steel painted channel.

**FRAME CAPACITY:** 3750 lbs. maximum distributed live load per 10' section with supports at 10' ctrs; 8000 lbs. at 5' ctrs.

**COUPLINGS:** Butt type.

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

STRAIGHT SECTION (WT lbs.)												CURVED SECTIONS						
Nominal Roller Length	Between Frames	3" RC 10'	3" RC 5'	4.5" RC 10'	4.5" RC 5'	6" RC 10'	6" RC 5'	9" RC 10'	9" RC 5'	12" RC 10'	12" RC 5'	Curve Inside Radius	Curve Roller Design	90° Rollers Per Curve	90° WT. lbs.	45° Rollers Per Curve	45° WT. lbs.	
*8"	*9"	303	153	257	131	234	108	186	96	167	84	-	-	-	-	-	-	-
12"	13"	365	185	304	155	263	125	209	108	184	95	2'-8-1/2"	Single	18	196	9	99	
14"	15"	396	203	328	168	270	135	223	116	192	101	2'-8-1/2"	Single	18	212	9	107	
16"	17"	429	219	353	181	278	143	234	121	202	105	2'-8-1/2"	Single	18	227	9	115	
18"	19"	460	235	377	193	294	152	246	128	211	111	2'-8-1/2"	Single	18	243	9	122	
20'	21"	491	251	400	206	311	161	258	135	220	116	2'-8-1/2'	Single	18	259	9	131	
22"	23"	524	267	446	218	328	169	271	141	232	121	2'-8-1/2"	Single	18	275	9	138	
24"	25"	555	284	450	232	345	179	282	148	239	126	2'-8-1/2"	Single	18	290	9	146	
26"	27"	582	297	470	241	358	185	291	151	245	128	2'-8-1/2"	Single	18	306	9	154	
30"	31"	646	330	518	266	390	202	317	166	263	138	4'	Double	40	441	20	237	
32"	33"	678	346	543	279	408	212	338	172	272	144	4'	Double	40	460	20	257	
36"	37"	739	378	589	303	440	228	351	184	290	153	4'	Double	40	495	20	265	
38"	39"	770	394	613	315	456	247	363	190	299	168	4'	Double	40	513	20	276	
42"	43"	833	426	661	340	486	254	387	203	317	179	4'	Double	40	550	20	297	
44"	45"	864	443	685	353	501	263	399	209	326	185	4'	Double	40	568	20	306	
46"	47"	895	459	709	365	516	272	411	216	335	191	4'	Double	40	586	20	316	
50"	51"	958	491	757	389	546	289	435	228	353	202	4'	Double	40	622	20	336	

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



### WARNING

Prevent pinch points that exist when gravity conveyors are permanently attached to power conveyors and other equipment!

■ 24 hour shipment