

# MODEL 251S

## 2-1/2" DIA. X 11 GA. STEEL GRAVITY ROLLER CONVEYOR

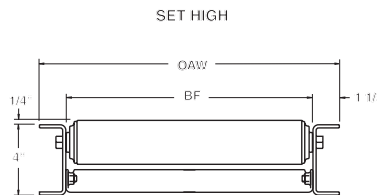
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON STRAIGHT SECTIONS



Double roller design



Single roller design



### STRAIGHT SECTION MODEL NUMBER

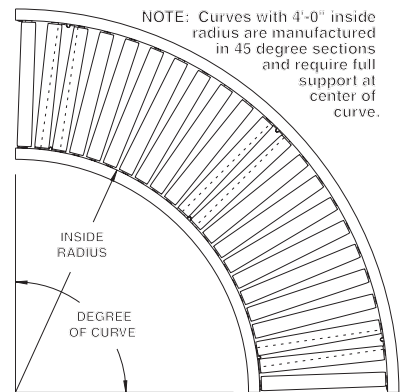
**251S-51-3-H-8**

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)



### 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:** Removable type, heavy duty ball bearings, zinc plated, grease packed.

**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 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'
*6"	*7"	249	126	210	107	195	88	150	78	134	67
*8"	*9"	280	142	234	120	210	97	162	85	143	73
12"	13"	342	174	281	144	240	114	186	97	161	84
14"	15"	373	191	305	157	247	123	200	104	169	89
16"	17"	405	207	329	169	254	131	210	109	178	93
18"	19"	436	223	353	181	270	140	222	116	187	99
20"	21"	467	239	376	194	287	149	234	123	196	104
22"	23"	499	255	421	206	303	157	246	129	207	109
24"	25"	530	271	425	219	320	166	257	135	214	113
26"	27"	561	287	449	231	337	175	270	141	224	118
30"	31"	625	320	497	256	369	192	296	156	242	128
32"	33"	657	336	522	269	387	202	307	162	251	134
36"	37"	718	368	568	293	419	218	330	174	269	143
38"	39"	749	384	592	305	435	237	342	180	278	158
42"	43"	812	416	640	330	465	244	366	193	296	169
44"	45"	843	433	664	342	480	253	378	199	305	175
46"	47"	874	449	688	355	495	262	390	206	314	181
50"	51"	937	481	736	379	525	279	414	218	332	192

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

### CURVED SECTIONS

CURVE INSIDE RADIUS	CURVE ROLLER DESIGN	90° ROLLERS PER CURVE	90° WEIGHT LBS.	45° ROLLERS PER CURVE	45° WEIGHT LBS.
-	-	-	-	-	-
2'-8-1/2"	SINGLE	18	164	9	83
2'-8-1/2"	SINGLE	18	179	9	90
2'-8-1/2"	SINGLE	18	194	9	98
2'-8-1/2"	SINGLE	18	209	9	105
2'-8-1/2"	SINGLE	18	224	9	113
2'-8-1/2"	SINGLE	18	239	9	120
2'-8-1/2"	SINGLE	18	254	9	128
2'-8-1/2"	SINGLE	18	269	9	135
4'-0"	DOUBLE	40	393	20	213
4'-0"	DOUBLE	40	411	20	233
4'-0"	DOUBLE	40	445	20	241
4'-0"	DOUBLE	40	462	20	251
4'-0"	DOUBLE	40	497	20	270
4'-0"	DOUBLE	40	514	20	279
4'-0"	DOUBLE	40	531	20	289
4'-0"	DOUBLE	40	566	20	308

### 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