

# MODEL 297S 2-9/16" DIA. X 7 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

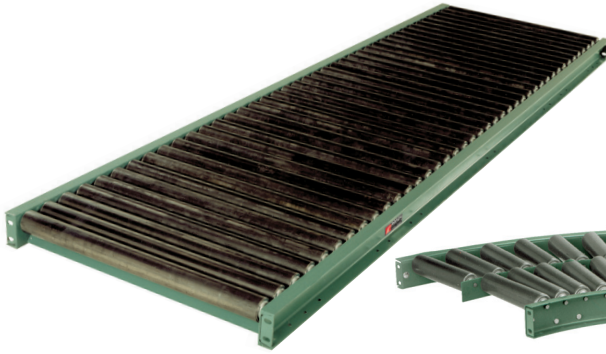
297S-45-6-L-6

297S-(between frames)-(roller centers)-  
(set high or low)-(length)

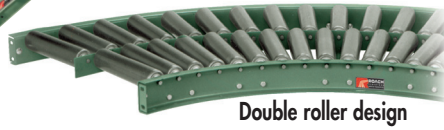
### CURVED SECTION MODEL NUMBER

297SC-39-H-90

297SC-(between frames)-(set high or low)-(degree)



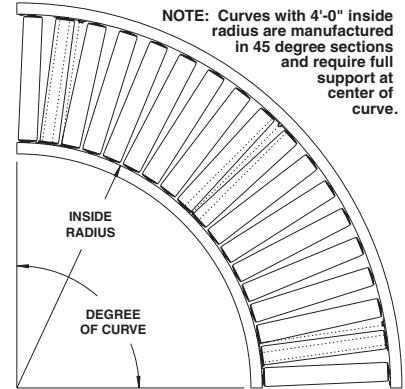
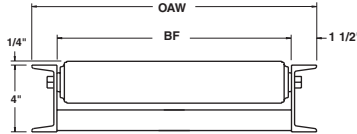
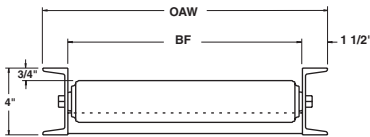
Optional: Use SH or SS supports on page 139



Double roller design



Single roller design



## SPECIFICATIONS

**ROLLERS:** 2-9/16" x 7 ga. steel tubing, model 297S, with straight ends, reamed to provide smooth bearing seats.

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

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

**BEARINGS:** Precision ABEC bearings.

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

**COUPLINGS:** Butt type.

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

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.	45° Rollers Per Curve	45° WT.
12"	13"	416	317	267	218	193	2'-8-1/2"	Single	18	217	11	120
14"	15"	457	345	289	232	204	2'-8-1/2"	Single	18	246	11	134
16"	17"	498	373	310	247	216	2'-8-1/2"	Single	18	274	11	147
18"	19"	539	401	331	261	227	2'-8-1/2"	Single	18	303	11	161
20'	21"	581	428	352	276	238	2'-8-1/2'	Single	18	331	11	175
22"	23"	622	456	373	291	249	2'-8-1/2"	Single	18	360	21	188
24"	25"	663	484	395	305	261	2'-8-1/2"	Single	18	388	21	202
26"	27"	704	512	416	320	272	2'-8-1/2"	Single	18	417	21	216
30"	31"	786	568	458	349	294	4'	Double	40	474	20	243
32"	33"	828	596	480	364	306	4'	Double	40	503	20	257
36"	37"	910	651	522	393	328	4'	Double	40	560	20	284
38"	39"	951	679	543	407	339	4'	Double	40	589	20	298
42"	43"	1033	735	586	436	362	4'	Double	40	646	20	325
46"	47"	1116	791	628	466	384	4'	Double	40	703	20	353
50"	51"	1198	847	671	495	407	4'	Double	40	760	20	380



### 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