

GRAVITY CONVEYORS

RAIL WHEEL CONVEYORS

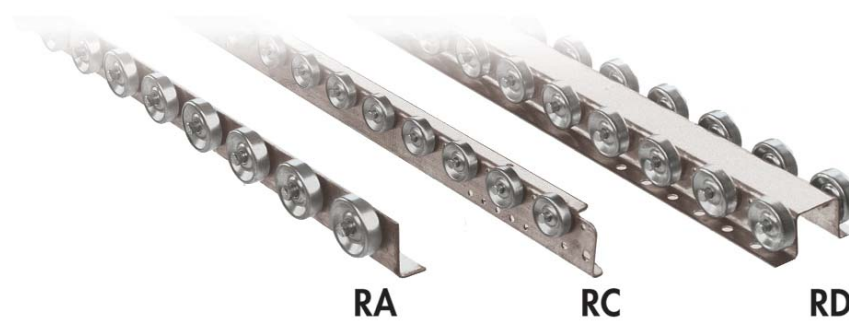
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON RAIL WHEELS

SPECIFY MODEL NUMBER PER EXAMPLE

RA-4

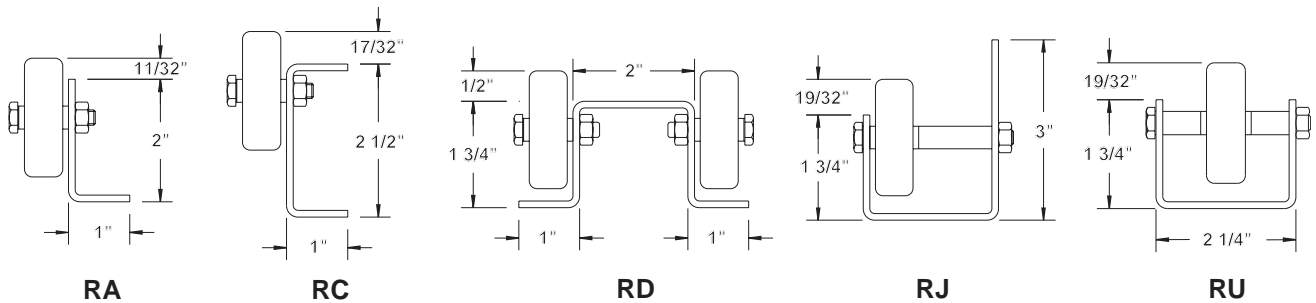
R(rail wheel configuration*)-(length)

*Specify RA, RC, RD, RJ or RU.



For replacement wheels, refer to part #BRW04600

Rail wheel conveyors are commonly floor or rack mounted to convey unit loads utilizing an arrangement of two or more rail conveyors mounted parallel. Rail wheel conveyors are lightweight, economical and ship in 24 hours.



SPECIFICATIONS

RAILS: 12 ga. galvanized steel rails are formed to several different configurations, including RA, RC, RD, RJ, and RU rail wheel conveyors.

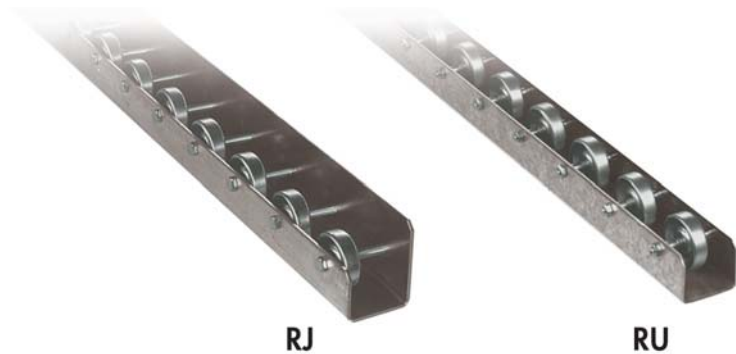
WHEELS: 1-15/16" dia. prelubricated ball bearing wheel with hardened raceway, zinc plated, 50 lb. capacity.

AXLES: 1/4" dia. galvanized steel bolt-type with lock nut.

LENGTHS: Available in 1'-0" increments from 1'-0" to 10'-0".

COUPLINGS: Not supplied, specify type required for pricing.

WHEEL CENTERS: 3" centers typical on all patterns.



TECHNICAL DATA

MODEL	WEIGHTS PER FT. (LBS.)	WEIGHTS PER 10' (LBS.)	MAXIMUM FRAME CAPACITY PER FT. (LBS.) 5' SUPPORT CENTER	MAXIMUM FRAME CAPACITY PER FT. (LBS.) 10' SUPPORT CENTER
RA	1.7	17	50	6
RC	2.2	22	146	18
RD	3.8	38	125	15
RJ	3.1	31	198	24
RU	2.7	27	113	14



■ 24 hour shipment

GRAVITY CONVEYORS

RAIL WHEEL CONVEYORS

24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON MODEL RCD

SPECIFY MODEL NUMBER PER EXAMPLE

RCD1.5-9

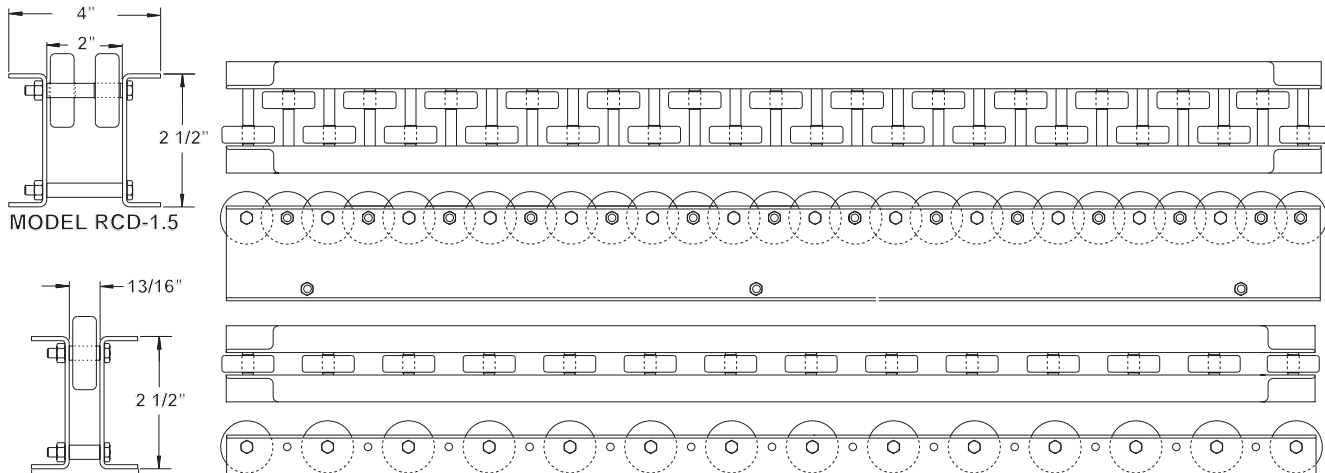
RCD(wheel configuration*)-(length)

*Specify 1.5 for 1-1/2" staggered wheel pattern or 3 for 3" wheel pattern.



For replacement wheels, refer to part #BRW04600

NEW from Roach! Model RCD rail wheel conveyors! New rail wheel model RCD is available in two popular styles for 24 hour shipment. Model RCD-3 features wheels on 3" pattern while model RCD-1.5 includes 1-1/2" staggered dense wheel pattern.



SPECIFICATIONS

RAILS: 12 ga. galvanized steel rails are formed to two varying width rail wheel conveyors, models RCD.

WHEELS: 1-15/16" dia. prelubricated ball bearing wheel with hardened raceway, zinc plated, 50 lb. capacity.

AXLES: 1/4" dia. galvanized steel bolt-type with lock nut.

LENGTHS: Available in 1'-0" increments from 1'-0" to 10'-0".

COUPLINGS: Not supplied, specify type required for pricing.

WHEEL CENTERS: Wheels provided on 3" centers with model RCD3; wheels provided on 1-1/2" centers, staggered pattern on model RCD1.5.

TECHNICAL DATA

MODEL	WEIGHTS PER FT. (LBS.)	WEIGHTS PER 10' (LBS.)	WHEELS PER FT.	MAXIMUM FRAME CAPACITY PER FT. (LBS.) 5' SUPPORT CENTER	MAXIMUM FRAME CAPACITY PER FT. (LBS.) 10' SUPPORT CENTER
RCD-1.5	4.3	43	8	130	35
RCD-3	3.4	34	4	130	35



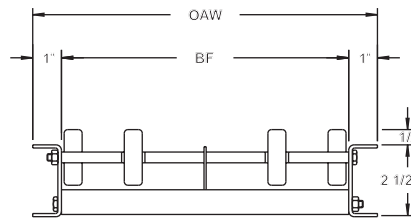
■ 24 hour shipment

MODEL WA/WS GRAVITY WHEEL CONVEYOR

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



For replacement wheels, refer to part #BRW04600 for zinc plated or #BRW04610 for aluminum.



STRAIGHT SECTION MODEL NUMBER

WA-24-20-10

(aluminum or galv. steel*)-(overall width)-
(wheels per foot)-(length)

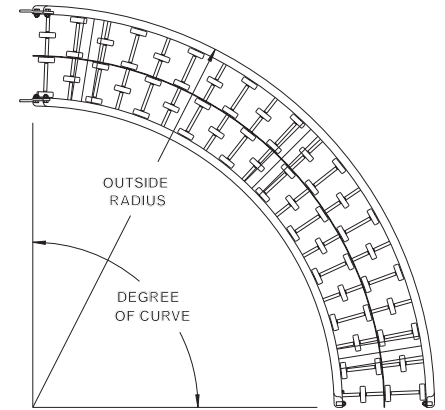
*Specify WA for aluminum frame; WS for galv. steel.

CURVED SECTION MODEL NUMBER

WSC-24-90

(aluminum or galv. steel*)-(overall width)-(degree)

*Specify WAC for aluminum frame; WSC for galv. steel.



SPECIFICATIONS

WHEELS: 1-15/16" dia. prelubricated ball bearing wheel with hardened raceway. Aluminum wheel capacity is 25 lbs. per wheel; zinc-plated wheel capacity is 50 lbs. per wheel.

AXLES: 1/4" dia. galvanized steel bolt-type axle and lock nut.

FRAMES: Formed heat-treated aluminum channel 2-1/2" x 1" x 1/8"; formed galvanized steel channel 2-1/2" x 1" x 12 ga.

COUPLINGS: Hook and rod; hooks on one end and rod ("stud") other end.

FRAME CAPACITY: Aluminum 160 lbs. max. distributed live load per 10' section or 750 lbs. per 5' section; galv. steel 350 lbs. max. distributed live load per 10' section, or 1300 lbs. per 5' section.

RADIUS (CURVES): 4' outside radius.

STRAIGHT SECTIONS

OVERALL WIDTH	WHEELS PER FT.	STRAIGHT SECTIONS						CURVED SECTIONS				
		MODEL WA ALUMINUM 10' WT.	MODEL WA ALUMINUM 5' WT.	MODEL WA ALUMINUM PER FT. WT.	MODEL WS GALVANIZED 10' WT.	MODEL WS GALVANIZED 5' WT.	MODEL WS GALVANIZED PER FT. WT.	CURVE OUTSIDE RADIUS	MODEL WAC ALUM. 90° WT. (LBS.)	MODEL WAC ALUM. 45° WT. (LBS.)	MODEL WSC GALV. 90° WT. (LBS.)	MODEL WSC GALV. 45° WT. (LBS.)
12"	6	33	18	3.3	64	33	6.4	-	-	-	-	-
	8	35	19	3.5	67	35	6.7	-	-	-	-	-
	10	37	20	3.7	70	37	7.0	4'-0"	44	22	70	35
	12	39	21	3.9	74	39	7.4	-	-	-	-	-
	16	43	23	4.3	81	43	8.1	-	-	-	-	-
18"	12	42	22	4.2	78	41	7.8	-	-	-	-	-
	14	44	24	4.4	85	44	8.5	-	-	-	-	-
	16	46	25	4.6	88	46	8.8	4'-0"	50	26	80	43
	18	50	27	5.0	93	50	9.3	-	-	-	-	-
	20	52	28	5.2	99	53	9.9	-	-	-	-	-
24"	16	51	28	5.1	96	52	9.6	-	-	-	-	-
	18	53	29	5.3	102	55	10.2	-	-	-	-	-
	20	55	30	5.5	105	57	10.5	4'-0"	54	29	92	49
	24	59	32	5.9	113	62	11.3	-	-	-	-	-
	28	63	34	6.3	119	65	11.9	-	-	-	-	-

NOTE: Model WA & WAC wheel conveyor includes aluminum frame and aluminum wheels; model WS & WSC includes galvanized steel frame and zinc-plated wheels.

WARNING

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

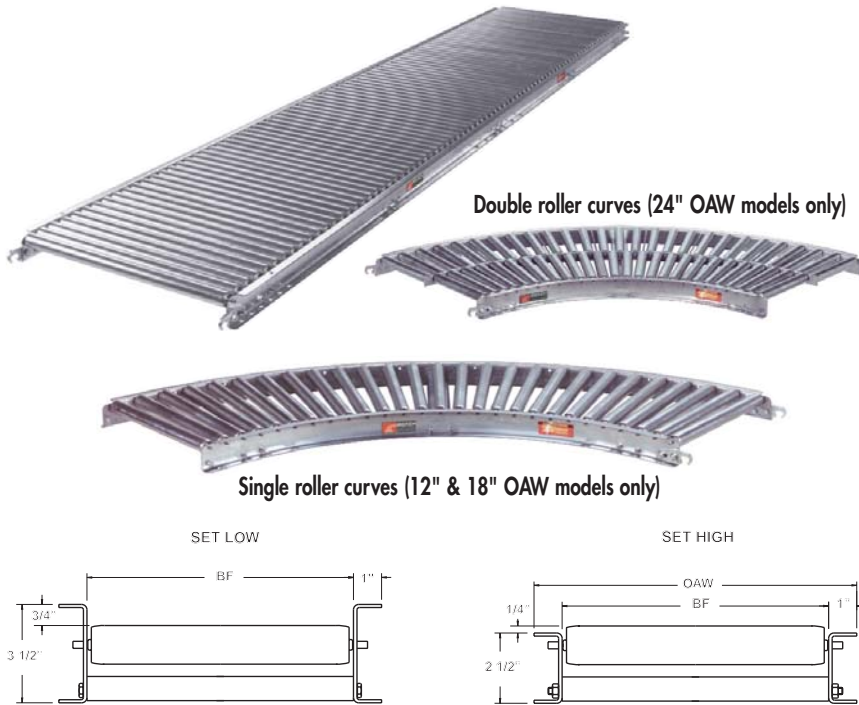


■ 24 hour shipment

MODEL 138A/138G

1-3/8" DIA. X 18 GA. GRAVITY ROLLER CONVEYOR

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



STRAIGHT SECTION MODEL NUMBER

138G-18-3-H-8

(aluminum or galvanized steel*)-(overall width)-
(roller centers)-(set high or low)-(length)

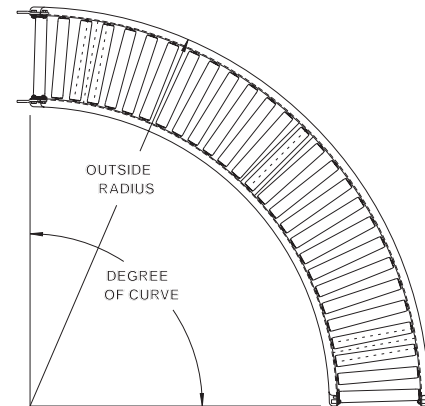
*Specify 138A for aluminum frame; 138G for galv. steel.

CURVED SECTION MODEL NUMBER

138AC-12-H-45

(aluminum or galv. steel*)-(overall width)-
(set high or low)-(degree)

*Specify 138AC for alum. frame; 138GC for galv. steel.



SPECIFICATIONS

ROLLERS: 1-3/8" dia. x 18 ga. tubing available in heat treated alum. (model 138A) or galv. steel (model 138G); both with smooth swaged ends. Roller capacity is 35 lbs. for 138A; 50 lbs. for 138G.

AXLES: 1/4" dia. galvanized steel shaft, spring loaded.

FRAMES: Formed heat treated aluminum channel 2-1/2" x 1" x 1/8"; formed galvanized steel channel 2-1/2" x 1" x 12 ga.

COUPLINGS: Hook and rod; hooks on one end and rod ("stud") other end.

BEARINGS: Integral plain ball bearings, zinc plated, oiled.

FRAME CAPACITY: Aluminum 160 lbs. max. distributed live load per 10' section or 750 lbs. per 5' section; galv. steel 350 lbs. max. distributed live load per 10' section, or 1300 lbs. per 5' section.

STRAIGHT SECTIONS

ROLLER CENTERS	LENGTH	MODEL 138A ALUMINUM 12" OAW WTS. (LBS.)	MODEL 138A ALUMINUM 18" OAW WTS. (LBS.)	MODEL 138A ALUMINUM 24" OAW WTS. (LBS.)	MODEL 138G GALVANIZED 12" OAW WTS. (LBS.)	MODEL 138G GALVANIZED 18" OAW WTS. (LBS.)	MODEL 138G GALVANIZED 24" OAW WTS. (LBS.)
1.5"	10'	52	68	88	109	146	180
	5'	28	37	48	58	77	95
3"	10'	34	49	54	73	97	115
	5'	19	26	29	39	51	61
4.5"	10'	28	36	44	62	78	92
	5'	16	19	23	33	42	49
6"	10'	25	31	39	55	67	81
	5'	14	17	21	30	35	43
9"	10'	22	28	34	50	58	71
	5'	13	15	18	29	30	38
12"	10'	21	25	31	46	54	64
	5'	11	13	17	25	28	35

NOTE: Nominal 1.5" roller centers on all curved section inside channels.

CURVED SECTIONS

CURVE WIDTH	CURVE OUTSIDE RADIUS	ROLLER DESIGN	CURVE DEGREE	MODEL 138AC ALUMINUM WTS. (LBS.)	MODEL 138GC GALVANIZED WTS. (LBS.)
12"	4'-0"	SINGLE	90°	44	70
			45°	22	35
18"	4'-0"	SINGLE	90°	50	80
			45°	26	43
24"	4'-0"	DOUBLE	90°	64	102
			45°	32	53

WARNING

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

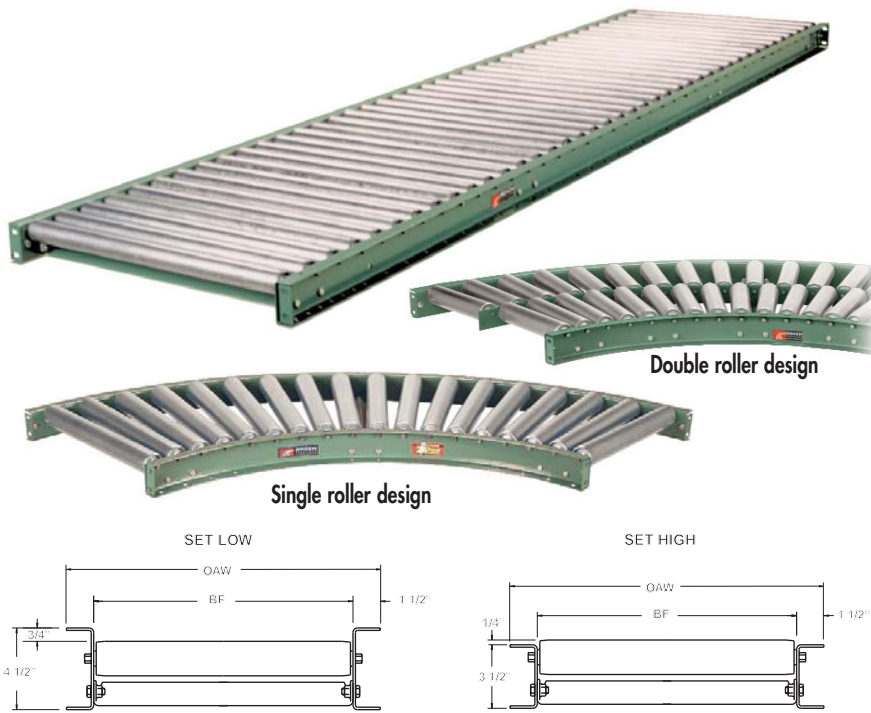


■ 24 hour shipment

MODEL 196G

1.9" DIA. X 16 GA. GALVANIZED STEEL GRAVITY ROLLER CONV.

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



STRAIGHT SECTION MODEL NUMBER

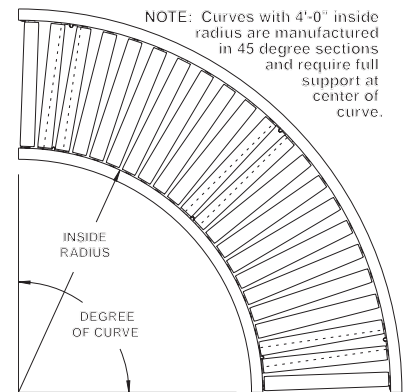
196G-21-3-H-9

196G-(between frames)-(roller centers)-
(set high or low)-(length)

CURVED SECTION MODEL NUMBER

196GC-39-H-90

196GC-(between frames)-(set high or low)-(degree)



SPECIFICATIONS

ROLLERS: 1.9" x 16 ga. galv. steel tubing, model 196G, 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.

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

FRAME CAPACITY: 250 lbs. per roller, or 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: 4" @ 5.4 lbs. struc. steel channel frame, rollers 3/16" high, may vary due to structural tolerances.

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"	129	66	112	58	100	52	89	46	84	44
12"	13"	166	84	140	72	118	60	102	52	93	48
14"	15"	178	90	152	78	124	63	108	55	97	50
16"	17"	190	96	160	81	130	66	112	57	100	51
18"	19"	202	102	169	86	137	70	117	60	103	53
20"	21"	216	109	180	91	143	73	120	61	106	54
22"	23"	228	115	189	96	150	76	125	64	110	56
24"	25"	240	122	198	98	156	79	129	65	112	57
26"	27"	253	128	207	105	162	82	134	68	116	59
30"	31"	276	140	225	114	174	88	142	72	122	62
32"	33"	291	147	236	119	180	91	147	75	125	64
36"	37"	317	160	257	130	193	98	155	79	131	67
38"	39"	329	166	265	134	200	102	160	82	135	69
42"	43"	354	179	284	144	213	108	169	87	141	72
44"	45"	366	185	294	148	219	112	173	89	144	74
46"	47"	379	191	304	153	225	115	178	91	148	76
50"	51"	404	204	323	163	238	121	187	96	154	79

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	22	97	11	50
2'-8-1/2"	SINGLE	22	105	11	53
2'-8-1/2"	SINGLE	22	114	11	58
2'-8-1/2"	SINGLE	22	122	11	63
2'-8-1/2"	SINGLE	22	131	11	67
2'-8-1/2"	DOUBLE	41	161	21	82
2'-8-1/2"	DOUBLE	41	169	21	85
2'-8-1/2"	DOUBLE	41	177	21	89
4'-0"	DOUBLE	40	211	20	108
4'-0"	DOUBLE	40	220	20	112
4'-0"	DOUBLE	40	238	20	120
4'-0"	DOUBLE	40	247	20	124
4'-0"	DOUBLE	40	265	20	132
4'-0"	DOUBLE	40	274	20	136
4'-0"	DOUBLE	40	283	20	140
4'-0"	DOUBLE	40	301	20	148

*7" 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

MODEL 196S

1.9" DIA. X 16 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

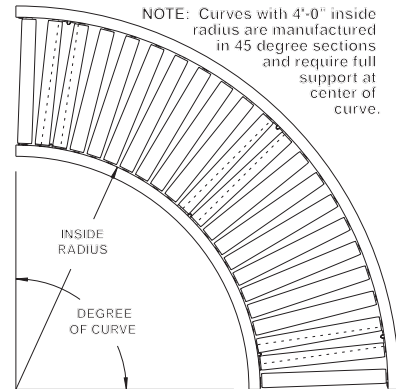
196S-13-6-L-6

196S-(between frames)-(roller centers)-
(set high or low)-(length)

CURVED SECTION MODEL NUMBER

196SC-21-H-45

196SC-(between frames)-(set high or low)-(degree)



SPECIFICATIONS

ROLLERS: 1.9" x 16 ga. steel tubing, model 196S, 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.

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

FRAME CAPACITY: 250 lbs. per roller, or 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: 4" @ 5.4 lbs. struc. steel channel frame, rollers 3/16" high, may vary due to structural tolerances.

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"	129	66	112	58	100	52	89	46	84	44
12"	13"	166	84	140	72	118	60	102	52	93	48
14"	15"	178	90	152	78	124	63	108	55	97	50
16"	17"	190	96	160	81	130	66	112	57	100	51
18"	19"	202	102	169	86	137	70	117	60	103	53
20"	21"	216	109	180	91	143	73	120	61	106	54
22"	23"	228	115	189	96	150	76	125	64	110	56
24"	25"	240	122	198	98	156	79	129	65	112	57
26"	27"	253	128	207	105	162	82	134	68	116	59
30"	31"	276	140	225	114	174	88	142	72	122	62
32"	33"	291	147	236	119	180	91	147	75	125	64
36"	37"	317	160	257	130	193	98	155	79	131	67
38"	39"	329	166	265	134	200	102	160	82	135	69
42"	43"	354	179	284	144	213	108	169	87	141	72
44"	45"	366	185	294	148	219	112	173	89	144	74
46"	47"	379	191	304	153	225	115	178	91	148	76
50"	51"	404	204	323	163	238	121	187	96	154	79

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	22	97	11	50
2'-8-1/2"	SINGLE	22	105	11	53
2'-8-1/2"	SINGLE	22	114	11	58
2'-8-1/2"	SINGLE	22	122	11	63
2'-8-1/2"	SINGLE	22	131	11	67
2'-8-1/2"	DOUBLE	41	161	21	82
2'-8-1/2"	DOUBLE	41	169	21	85
2'-8-1/2"	DOUBLE	41	177	21	89
4'-0"	DOUBLE	40	211	20	108
4'-0"	DOUBLE	40	220	20	112
4'-0"	DOUBLE	40	238	20	120
4'-0"	DOUBLE	40	247	20	124
4'-0"	DOUBLE	40	265	20	132
4'-0"	DOUBLE	40	274	20	136
4'-0"	DOUBLE	40	283	20	140
4'-0"	DOUBLE	40	301	20	148

*7" 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

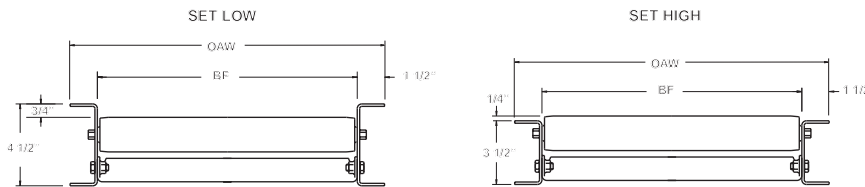
MODEL 192S

1.9" DIA. X 12 GA. GRAVITY ROLLER CONVEYOR

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



Double roller design



STRAIGHT SECTION MODEL NUMBER

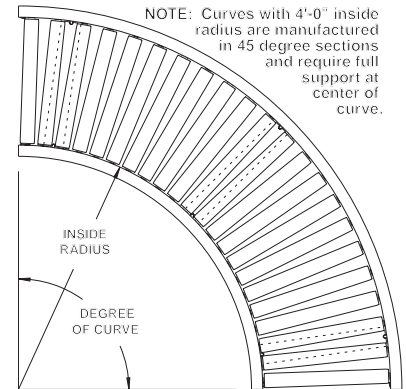
192S-13-3-H-5

192S-(between frames)-(roller centers)-
(set high or low)-(length)

CURVED SECTION MODEL NUMBER

192SC-27-H-90

192SC-(between frames)-(set high or low)-(degree)



SPECIFICATIONS

ROLLERS: 1.9" x 12 ga. steel tubing, model 192S, 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: 260 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: 4" @ 5.4 lbs. struc. steel channel frame, rollers 3/16" high, may vary due to structural tolerances.

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'
12"	13"	200	101	165	85	134	68	114	58	101	52
14"	15"	217	109	181	92	144	74	122	62	107	55
16"	17"	234	118	193	97	152	77	128	64	111	56
18"	19"	252	127	206	105	162	82	134	69	115	60
20"	21"	271	136	221	111	171	87	139	70	120	61
22"	23"	289	146	235	119	180	91	146	74	125	63
24"	25"	306	155	248	123	189	95	152	76	129	66
26"	27"	325	164	261	132	198	100	159	80	134	68
30"	31"	358	181	287	145	215	109	171	87	143	73
32"	33"	379	191	302	152	224	113	178	91	147	75
36"	37"	415	209	331	167	242	122	189	96	156	80
38"	39"	433	218	343	173	252	128	196	100	161	82
42"	43"	469	236	370	187	270	137	209	106	170	87
44"	45"	487	245	384	194	279	141	215	110	174	89
46"	47"	505	254	398	200	288	146	221	113	179	91
50"	51"	541	272	425	214	307	156	234	119	189	96

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	22	115	11	60
2'-8-1/2"	SINGLE	22	126	11	65
2'-8-1/2"	SINGLE	22	137	11	71
2'-8-1/2"	SINGLE	22	149	11	78
2'-8-1/2"	SINGLE	22	161	11	83
2'-8-1/2"	DOUBLE	41	191	21	98
2'-8-1/2"	DOUBLE	41	201	21	103
2'-8-1/2"	DOUBLE	41	212	21	108
4'-0"	DOUBLE	40	253	20	129
4'-0"	DOUBLE	40	265	20	135
4'-0"	DOUBLE	40	288	20	146
4'-0"	DOUBLE	40	300	20	152
4'-0"	DOUBLE	40	324	20	164
4'-0"	DOUBLE	40	335	20	169
4'-0"	DOUBLE	40	347	20	175
4'-0"	DOUBLE	40	371	20	187

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

MODEL 199S

1.9" DIA. X 9 GA. GRAVITY ROLLER CONVEYOR

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



STRAIGHT SECTION MODEL NUMBER

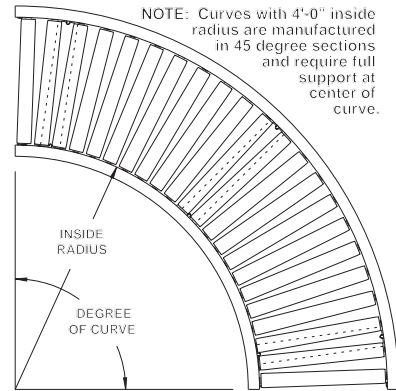
199S-51-3-H-10

199S-(between frames)-(roller centers)-
(set high or low)-(length)

CURVED SECTION MODEL NUMBER

199SC-37-H-90

199SC-(between frames)-(set high or low)-(degree)



SPECIFICATIONS

ROLLERS: 1.9" x 9 ga. steel tubing, model 199S, with straight ends reamed to provide smooth bearing seats.

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: 260 lbs. per roller.

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

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

COUPLINGS: Butt type.

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

OPTIONAL FRAME: 4" @ 5.4 lbs. struc. steel channel frame, rollers 3/16" high, may vary due to structural tolerances.

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'
12"	13"	220	113	170	87	143	75	117	64	105	56
14"	15"	244	126	179	95	156	82	126	69	112	60
16"	17"	267	139	203	104	169	89	134	74	119	64
18"	19"	292	151	220	112	182	96	143	79	127	68
20"	21"	313	161	235	119	193	101	151	83	133	71
22"	23"	340	175	254	129	207	109	161	89	141	79
24"	25"	363	187	270	137	219	116	169	94	148	80
26"	27"	387	200	287	146	232	122	178	99	155	84
30"	31"	433	224	319	162	257	135	195	109	169	91
32"	33"	460	237	337	171	271	143	205	115	177	96
36"	37"	506	261	369	188	296	156	222	125	191	104
38"	39"	528	272	384	195	307	162	229	129	196	107
42"	43"	575	297	417	212	332	176	246	139	210	115
44"	45"	599	309	433	220	345	182	255	144	217	119
46"	47"	623	321	450	228	358	189	264	149	224	123
50"	51"	670	346	483	245	383	202	281	159	238	131

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	22	141	11	72
2'-8-1/2"	SINGLE	22	162	11	82
2'-8-1/2"	SINGLE	22	185	11	93
2'-8-1/2"	SINGLE	22	195	11	99
2'-8-1/2"	SINGLE	22	208	11	106
2'-8-1/2"	DOUBLE	41	235	21	120
2'-8-1/2"	DOUBLE	41	247	21	125
2'-8-1/2"	DOUBLE	41	259	21	131
4'-0"	DOUBLE	40	328	20	168
4'-0"	DOUBLE	40	337	20	172
4'-0"	DOUBLE	40	357	20	182
4'-0"	DOUBLE	40	396	20	202
4'-0"	DOUBLE	40	430	20	219
4'-0"	DOUBLE	40	447	20	228
4'-0"	DOUBLE	40	464	20	237
4'-0"	DOUBLE	40	498	20	253

WARNING

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



■ 24 hour shipment

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



Double roller design

Single roller design



STRAIGHT SECTION MODEL NUMBER

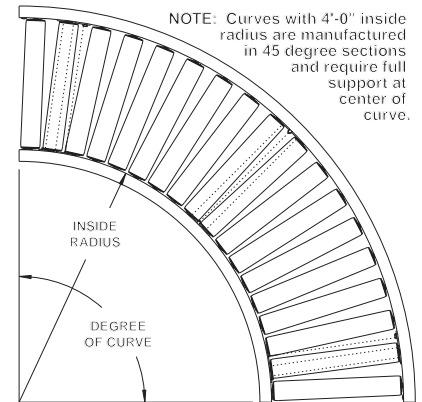
254S-43-9-H-4

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)



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 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'
12"	13"	206	104	170	87	138	70	116	59	103	53
14"	15"	223	112	186	95	147	75	124	63	108	55
16"	17"	241	121	198	100	155	78	130	66	113	57
18"	19"	258	125	211	107	165	84	137	70	117	60
20"	21"	278	140	227	114	174	88	142	72	122	62
22"	23"	296	149	240	121	184	93	149	76	127	64
24"	25"	314	159	253	125	193	97	155	78	130	66
26"	27"	331	167	266	134	202	102	162	82	136	69
30"	31"	366	185	294	148	219	110	174	88	145	73
32"	33"	387	195	308	155	228	115	181	92	149	76
36"	37"	424	213	338	170	248	125	193	98	158	80
38"	39"	442	222	350	176	257	130	200	102	163	83
42"	43"	478	240	378	190	275	139	213	109	172	88
44"	45"	496	249	391	196	284	144	220	112	177	90
46"	47"	515	258	405	203	294	149	226	115	182	92
50"	51"	551	277	433	217	312	158	239	122	191	97

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	116	9	60
2'-8-1/2"	SINGLE	18	127	9	65
2'-8-1/2"	SINGLE	18	140	9	72
2'-8-1/2"	SINGLE	18	151	9	78
2'-8-1/2"	SINGLE	18	163	9	84
2'-8-1/2"	DOUBLE	37	193	17	99
2'-8-1/2"	DOUBLE	37	204	17	103
2'-8-1/2"	DOUBLE	37	215	17	109
4'-0"	DOUBLE	40	254	20	130
4'-0"	DOUBLE	40	266	20	136
4'-0"	DOUBLE	40	290	20	148
4'-0"	DOUBLE	40	302	20	153
4'-0"	DOUBLE	40	326	20	165
4'-0"	DOUBLE	40	338	20	170
4'-0"	DOUBLE	40	350	20	176
4'-0"	DOUBLE	40	374	20	188

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

MODEL 254S STRUCTURAL

2-1/2" DIA. X 14 GA. STEEL GRAVITY ROLLER CONVEYOR

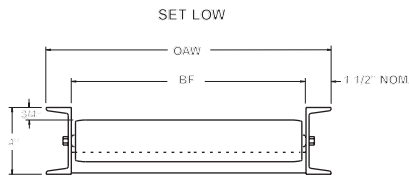
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON STRAIGHT SECTIONS



Double roller design



Single roller design



STRAIGHT SECTION MODEL NUMBER

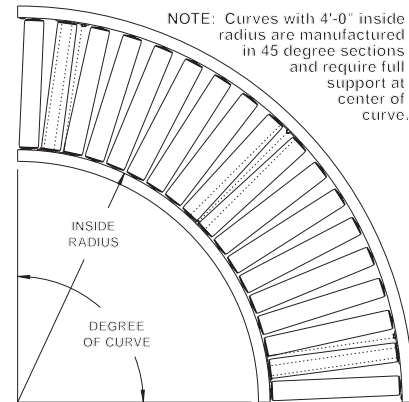
254S-51-4.5-H-7-S

254S-(between frames)-(roller centers)-(set high or low)-(length)-(structural frame)

CURVED SECTION MODEL NUMBER

254SC-21-H-90-S

254SC-(between frames)-(set high or low)-(degree)-(structural frame)



SPECIFICATIONS

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

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

ROLLER CAPACITY: 290 lbs. per roller.

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

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

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 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'
12"	13"	255	129	228	112	187	95	165	84	152	78
14"	15"	273	137	236	120	197	100	174	88	158	80
16"	17"	291	146	248	125	205	103	180	91	163	82
18"	19"	308	150	261	132	215	109	187	95	167	85
20"	21"	329	165	278	139	225	113	193	97	173	87
22"	23"	346	175	291	146	235	119	200	102	178	90
24"	25"	366	185	305	151	245	123	207	104	182	92
26"	27"	378	191	313	160	249	126	209	106	183	93
30"	31"	413	209	341	174	266	134	221	112	192	97
32"	33"	434	219	355	181	275	139	228	116	196	100
36"	37"	471	237	385	194	295	149	240	122	205	104
38"	39"	489	246	397	200	304	154	247	126	210	107
42"	43"	525	264	425	214	322	163	260	133	219	112
44"	45"	543	273	439	220	332	168	266	136	224	114
46"	47"	562	282	452	227	341	173	273	139	229	116
50"	51"	598	301	480	241	359	182	286	146	238	121

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	157	9	81
2'-8-1/2"	SINGLE	18	169	9	86
2'-8-1/2"	SINGLE	18	182	9	93
2'-8-1/2"	SINGLE	18	195	9	100
2'-8-1/2"	SINGLE	18	208	9	107
2'-8-1/2"	DOUBLE	37	239	17	122
2'-8-1/2"	DOUBLE	37	251	17	127
2'-8-1/2"	DOUBLE	37	263	17	133
4'-0"	DOUBLE	40	317	20	162
4'-0"	DOUBLE	40	330	20	168
4'-0"	DOUBLE	40	356	20	181
4'-0"	DOUBLE	40	369	20	187
4'-0"	DOUBLE	40	395	20	200
4'-0"	DOUBLE	40	408	20	206
4'-0"	DOUBLE	40	421	20	212
4'-0"	DOUBLE	40	446	20	224

WARNING

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



■ 24 hour shipment

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

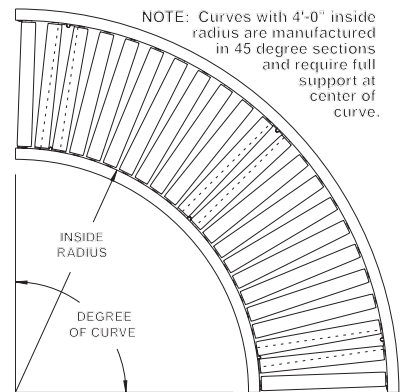
251S-51-3-H-8

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

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

*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

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



Double roller design

Single roller design



STRAIGHT SECTION MODEL NUMBER

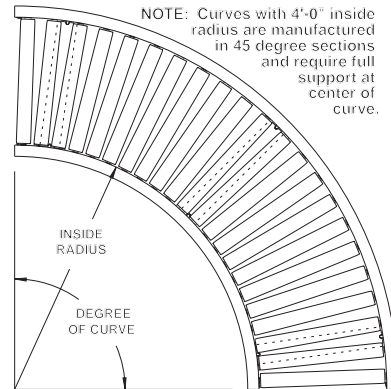
251S-45-6-L-9-S

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: Removable type, heavy duty

ball bearings, zinc plated, grease packed.

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 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'
*8"	*9"	303	153	257	131	234	108	186	96	167	84
12"	13"	365	185	304	155	263	125	209	108	184	95
14"	15"	396	203	328	168	270	135	223	116	192	101
16"	17"	429	219	353	181	278	143	234	121	202	105
18"	19"	460	235	377	193	294	152	246	128	211	111
20"	21"	491	251	400	206	311	161	258	135	220	116
22"	23"	524	267	446	218	328	169	271	141	232	121
24"	25"	555	284	450	232	345	179	282	148	239	126
26"	27"	582	297	470	241	358	185	291	151	245	128
30"	31"	646	330	518	266	390	202	317	166	263	138
32"	33"	678	346	543	279	408	212	338	172	272	144
36"	37"	739	378	589	303	440	228	351	184	290	153
38"	39"	770	394	613	315	456	247	363	190	299	168
42"	43"	833	426	661	340	486	254	387	203	317	179
44"	45"	864	443	685	353	501	263	399	209	326	185
46"	47"	895	459	709	365	516	272	411	216	335	191
50"	51"	958	491	757	389	546	289	435	228	353	202

*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	196	9	99
2'-8-1/2"	SINGLE	18	212	9	107
2'-8-1/2"	SINGLE	18	227	9	115
2'-8-1/2"	SINGLE	18	243	9	122
2'-8-1/2"	SINGLE	18	259	9	131
2'-8-1/2"	SINGLE	18	275	9	138
2'-8-1/2"	SINGLE	18	290	9	146
2'-8-1/2"	SINGLE	18	306	9	154
4'-0"	DOUBLE	40	441	20	237
4'-0"	DOUBLE	40	460	20	257
4'-0"	DOUBLE	40	495	20	265
4'-0"	DOUBLE	40	513	20	276
4'-0"	DOUBLE	40	550	20	297
4'-0"	DOUBLE	40	568	20	306
4'-0"	DOUBLE	40	586	20	316
4'-0"	DOUBLE	40	622	20	336

WARNING

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



■ 24 hour shipment

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



Double roller design

Single roller design



SET LOW



SET HIGH

STRAIGHT SECTION MODEL NUMBER

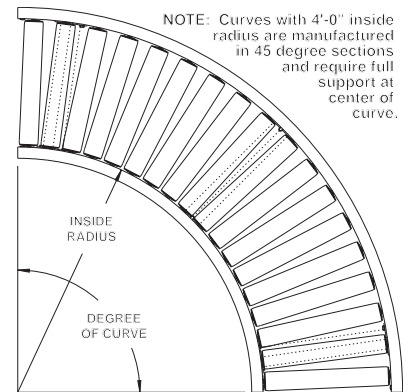
297S-45-6-L-6

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)



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

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 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'
12"	13"	425	216	349	178	272	140	228	118	196	101
14"	15"	467	238	381	194	294	151	244	126	207	108
16"	17"	509	259	413	211	316	162	259	134	219	114
18"	19"	551	281	444	227	338	174	275	142	231	120
20"	21"	593	302	476	244	360	185	291	151	243	127
22"	23"	635	323	508	260	381	197	308	160	254	133
24"	25"	677	345	540	276	403	208	323	168	266	139
26"	27"	719	366	572	293	425	219	338	175	278	146
30"	31"	803	409	636	325	469	242	370	193	302	158
32"	33"	845	430	668	342	490	253	385	201	313	165
36"	37"	929	473	731	375	534	276	418	218	337	177
38"	39"	971	495	763	391	556	287	432	225	349	184
42"	43"	1055	538	827	424	600	310	463	242	373	197
44"	45"	1097	560	859	441	622	321	479	250	385	204
46"	47"	1139	581	890	457	643	332	495	258	396	210
50"	51"	1223	624	954	489	687	355	526	274	420	222

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	190	11	96
2'-8-1/2"	SINGLE	18	209	11	106
2'-8-1/2"	SINGLE	18	229	11	116
2'-8-1/2"	SINGLE	18	248	11	125
2'-8-1/2"	SINGLE	18	267	11	134
2'-8-1/2"	SINGLE	18	286	21	144
2'-8-1/2"	SINGLE	18	306	21	154
2'-8-1/2"	SINGLE	18	325	21	164
4'-0"	DOUBLE	40	443	20	242
4'-0"	DOUBLE	40	484	20	263
4'-0"	DOUBLE	40	528	20	287
4'-0"	DOUBLE	40	550	20	299
4'-0"	DOUBLE	40	604	20	328
4'-0"	DOUBLE	40	626	20	342
4'-0"	DOUBLE	40	657	20	356
4'-0"	DOUBLE	40	711	20	385

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

MODEL 3509S

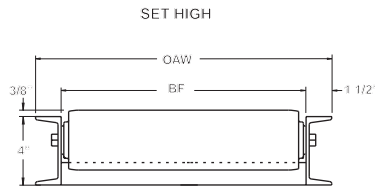
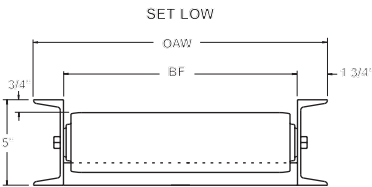
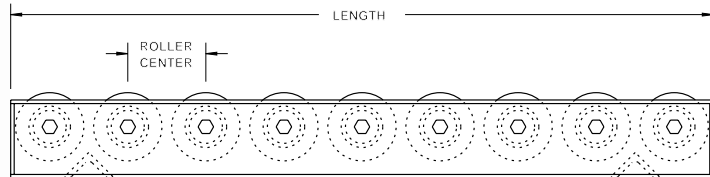
3-1/2" DIA. X 9 GA. STEEL GRAVITY ROLLER CONVEYOR

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

STRAIGHT SECTION MODEL NUMBER

3509S-47-4-H-3

3509S-(between frames)-(roller centers)-
(set high or low)-(length)



SPECIFICATIONS

ROLLERS: 3-1/2" x 9 ga. steel tubing, model 3509S, with straight ends, reamed to provide smooth bearing seats.

ROLLER CAPACITY: 700 lbs. per roller.

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

FRAMES: 4" at 5.4 lbs. structural steel painted channel set high; 5" at 6.7 lbs. structural steel painted channel set low (extra charge for set low).

COUPLINGS: Butt type.

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

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

STRAIGHT SECTIONS

NOMINAL ROLLER LENGTH	BETWEEN FRAMES	4" RC 10'	4" RC 5'	6" RC 10'	6" RC 5'	8" RC 10'	8" RC 5'	12" RC 10'	12" RC 5'
10"	11"	364	184	286	145	247	125	208	106
14"	15"	439	221	338	171	288	146	238	121
18"	19"	513	256	391	197	329	166	268	136
22"	23"	587	295	443	223	370	187	297	150
26"	27"	662	333	495	249	412	208	328	166
30"	31"	737	370	548	276	453	228	358	181
34"	35"	811	407	599	299	493	248	388	194
38"	39"	886	445	652	328	535	269	418	211
42"	43"	960	482	704	355	576	288	448	226
44"	45"	997	501	726	367	596	299	463	234
46"	47"	1035	519	757	380	617	310	478	241
50"	51"	1110	557	807	405	658	331	508	256

WARNING

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



■ 24 hour shipment

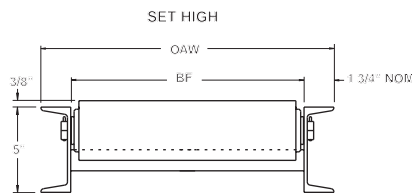
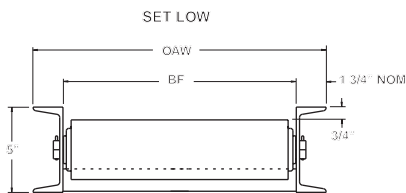
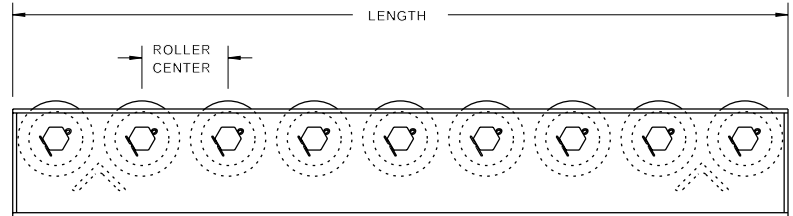
MODEL 3530S

3-1/2" DIA. X .300 STEEL GRAVITY ROLLER CONVEYOR

STRAIGHT SECTION MODEL NUMBER

3530S-47-6-H-7

3530S-(between frames)-(roller centers)-
(set high or low)-(length)



SPECIFICATIONS

ROLLERS: 3-1/2" x .300 steel tubing, model 3530S, with straight ends, reamed to provide smooth bearing seats.

ROLLER CAPACITY: 2500 lbs. per roller.

AXLES: 1-1/16" hex with pinned shafts.

FRAMES: 5" at 6.7 lbs. structural steel painted channel.

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

COUPLINGS: Butt type.

FRAME CAPACITY: 6600 lbs. maximum distributed live load per 10' section with supports at 10' centers; 16,000 lbs. at 5' centers.

STRAIGHT SECTIONS

NOMINAL ROLLER LENGTH	BETWEEN FRAMES	4" RC 10'	4" RC 5'	6" RC 10'	6" RC 5'	8" RC 10'	8" RC 5'	12" RC 10'	12" RC 5'
6"	7"	453	228	351	177	300	152	249	126
10"	11"	596	300	449	226	375	189	302	153
14"	15"	740	372	548	276	451	227	355	179
18"	19"	884	446	646	325	527	265	408	206
22"	23"	1027	515	744	375	602	303	461	232
26"	27"	1170	587	842	423	678	341	514	259
30"	31"	1314	659	941	472	754	379	567	285
34"	35"	1457	728	1038	521	829	416	619	311
38"	39"	1600	802	1136	570	904	454	672	338
42"	43"	1744	874	1235	619	980	492	726	365
44"	45"	1816	910	1284	644	1018	511	753	378
46"	47"	1888	946	1333	668	1056	530	779	391
50"	51"	2030	1017	1431	719	1131	567	831	417

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.



■ 3 week shipment

MODEL 254TC

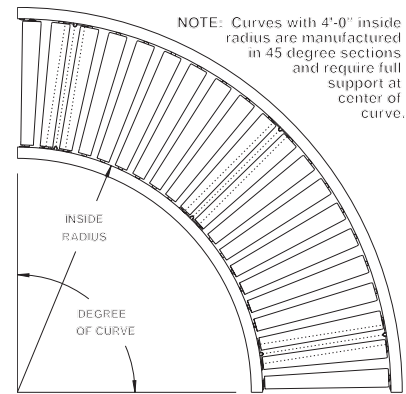
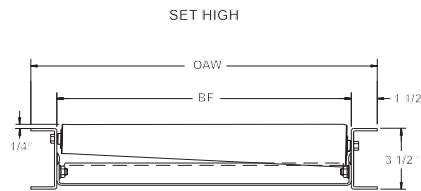
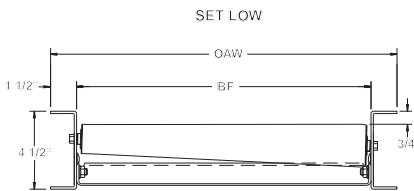
2-1/2" DIA. X 14 GA. TAPERED ROLLER CURVE

24 HOUR SHIPMENTS INCLUDE 45° AND 90° CURVES

254TC CURVED SECTION MODEL NUMBER

254TC-13-H-90

254TC-(between frames)-(set high or low)-(degree)



SPECIFICATIONS

TAPERED ROLLERS: 2-1/2" dia. to 1-11/16" dia. x 14 ga. steel tubing, model 254T, 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: 250 lbs. per roller.

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

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

FRAME CAPACITY: 650 lbs. maximum distributed live load with supports at each end of curve section and at the outside of a 90° curve section.

COUPLINGS: Butt type.

TAPERED ROLLER CURVES

NOMINAL ROLLER LENGTH	BETWEEN FRAMES	CURVE INSIDE RADIUS	90° ROLLERS PER CURVE	90° WEIGHT LBS.	45° ROLLERS PER CURVE	45° WEIGHT LBS.
12"	13"	2'-8-1/2"	20	104	10	57
14"	15"	2'-8-1/2"	20	137	10	74
16"	17"	2'-8-1/2"	20	150	10	81
18"	19"	2'-8-1/2"	20	168	10	89
20"	21"	2'-8-1/2"	20	185	10	98
22"	23"	2'-8-1/2"	20	195	10	104
24"	25"	2'-8-1/2"	20	215	10	118
26"	27"	2'-8-1/2"	20	228	10	120
30"	31"	4'-0"	32	377	16	195
32"	33"	4'-0"	32	390	16	202
36"	37"	4'-0"	32	418	16	216
38"	39"	4'-0"	32	459	16	236
42"	43"	4'-0"	32	500	16	257
44"	45"	4'-0"	32	521	16	267
46"	47"	4'-0"	32	541	16	277
50"	51"	4'-0"	32	582	16	298

WARNING

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



■ 24 hour shipment

MODEL B BALL TRANSFER UNITS

24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON BALL TRANSFERS



BALL TRANSFER MODEL NUMBER

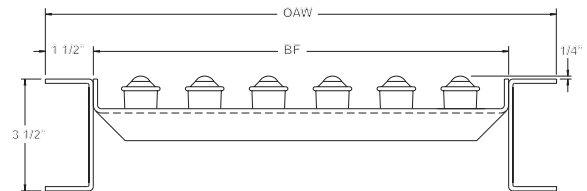
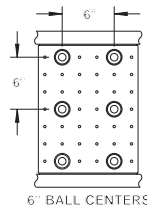
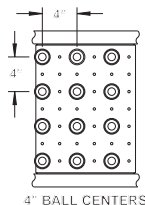
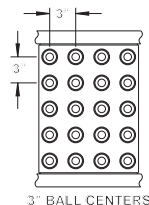
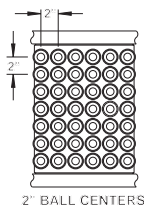
B-27-3-5

B-(between frames)-(ball centers)-(length)



For replacement ball assemblies, refer to part #BRW04650

DETERMINE BALL SPACING by dividing minimum package dimension by 2.5. Center to center ball spacing results with minimum of 9 ball casters required to support each package.



SPECIFICATIONS

BALL ASSEMBLIES: 1" dia. steel ball x 1-13/16" overall housing diameter. Mounting bolt is 1/4"-20.

BALL CAPACITY: 50 lbs. per ball with max. unit load not to exceed the capacity of 4 balls (200#).

FRAMES: 3-1/2" x 1-1/2" x 10 ga. steel with balls in set high position (1/4" above side frames) only.

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

PLATES: Balls are attached in square pattern to 10 ga. formed plates up to 39" BF. Above 39", plates are 7 ga.

COUPLINGS: Butt type.

BALL TRANSFERS

BETWEEN FRAMES	2" CENTERS BALLS PER FT.	3" CENTERS BALLS PER FT.	4" CENTERS BALLS PER FT.	6" CENTERS BALLS PER FT.	2" CENTERS WT. PER FT. (LBS.)	3" CENTERS WT. PER FT. (LBS.)	4" CENTERS WT. PER FT. (LBS.)	6" CENTERS WT. PER FT. (LBS.)
13"	36	20	12	6	28	22	19	17
15"	42	20	12	6	32	23	20	18
17"	48	24	15	8	35	26	23	20
19"	54	28	15	8	38	28	24	21
21"	60	28	18	8	42	30	26	22
23"	66	32	18	10	45	32	27	24
25"	72	36	21	10	48	34	29	25
27"	78	36	21	10	52	36	30	26
31"	90	44	24	12	58	40	34	29
33"	96	44	27	12	62	42	36	30
37"	108	52	30	14	69	47	39	33
39"	114	52	30	14	72	49	40	34
43"	126	60	33	16	79	53	43	36
45"	132	60	36	16	82	55	45	38
47"	138	64	36	18	85	57	47	40
51"	150	68	39	18	92	61	50	42

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