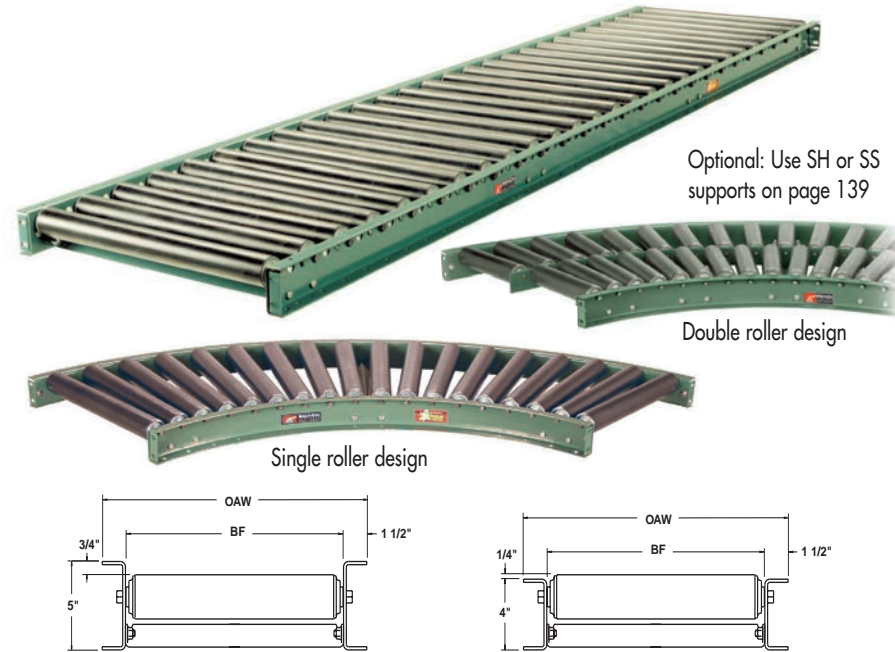


MODEL 251S

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

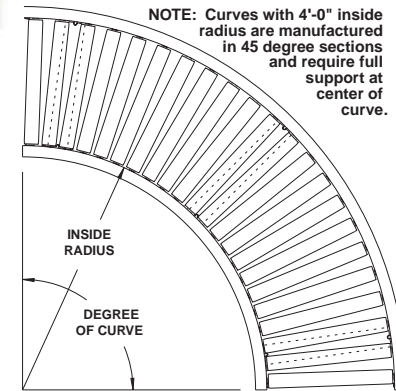
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON STRAIGHT SECTIONS



Optional: Use SH or SS supports on page 139

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: 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.

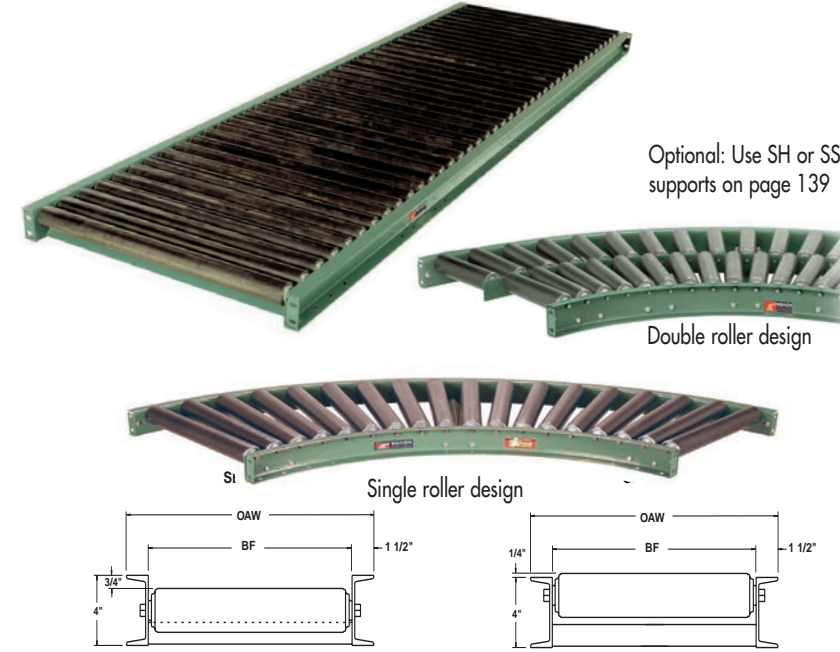
24 hour shipment

Thomas Conveyor & Equipment Co.
18450 Summit Avenue, Suite 175, Oakbrook Terrace IL 60181
844 220 0086 www.tceconveyors.com

MODEL 251S STRUCTURAL

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

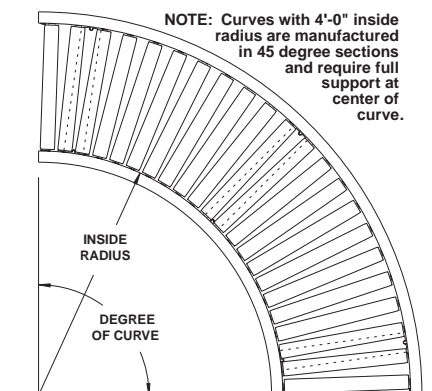
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 1'-0" TO 10'-0" ON STRAIGHT SECTIONS



Optional: Use SH or SS supports on page 139

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

Thomas Conveyor & Equipment Co.
18450 Summit Avenue, Suite 175, Oakbrook Terrace IL 60181
844 220 0086 www.tceconveyors.com