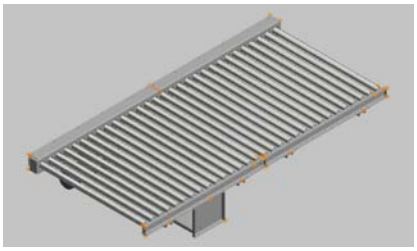
Hytrol **Catalog**

25-CRR

Chain Driven Live Roller Conveyor

The heavy design of the 25-CRR allows it to be used for conveying higher load capacities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries.

- 15 Bed Widths
- Center Drive
- Reversible
- Chain Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown in Standard Gray.

OTHER STANDARD COLORS

TECHNICAL MANUAL

Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		19"	21"	23"	25"	27"	31"	33"	37"	39"	43"	47"	51"	55"	61"	67"
Overall Frame Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
*4" Centers 10' OAL	No. 40 Chain	722	750	778	806	834	890	918	974	1002	1058	1114	1170	1226	1310	1394
Per Foot		61	64	67	70	73	79	82	88	91	97	103	109	113	124	133
5" Centers 10' OAL	No. 50 Chain	638	666	694	721	749	804	823	887	915	970	1026	1081	1136	1219	1302
Per Foot		54	57	60	63	66	72	75	81	84	90	96	102	108	117	126
6" Centers 10' OAL	No. 60 Chain	582	610	638	666	694	750	778	834	862	918	974	1030	1086	1170	1254
Per Foot		49	52	55	58	61	67	70	76	79	85	91	97	103	112	121
7 1/2" Centers 10' OAL	No. 60 Chain	526	554	582	610	638	694	722	778	806	862	918	974	1030	1114	1198
Per Foot		46	49	52	55	58	64	67	73	76	82	88	94	100	109	118

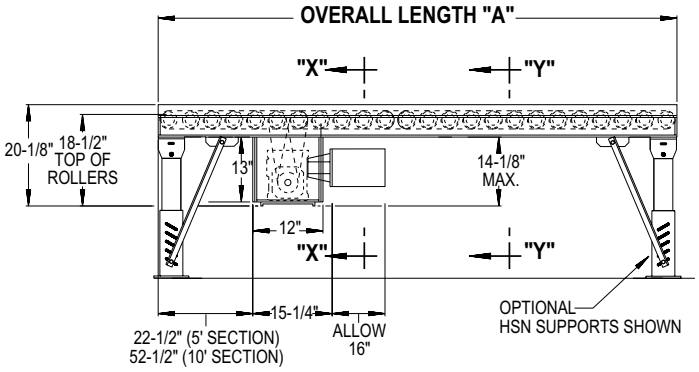
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	54"	58"	64"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	57 1/4"	61 1/4"	67 1/4"	73 1/4"
3 3/4" Centers 10' OAL	No. 60 Chain	750	778	806	833	861	916	944	999	1027	1083	1137	1193	1249	1332	1415
Per Foot		63	68	71	74	77	83	86	92	95	101	107	113	119	128	137

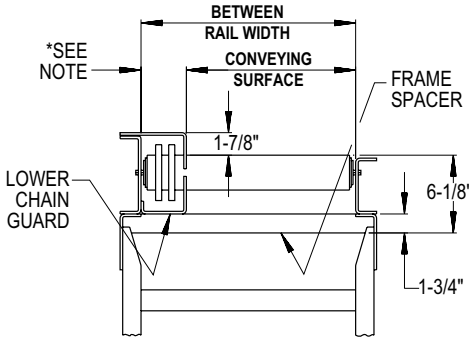
3 in. RC Chain Guard (Both Sides)																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
Overall Frame Width		25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	37 1/2"	39 1/2"	43 1/2"	45 1/2"	49 1/2"	53 1/2"	57 1/2"	61 1/2"	67 1/2"	73 1/2"
3" Centers 10' OAL	No. 60 Chain	862	890	918	946	974	1030	1058	1114	1142	1198	1254	1310	1366	1450	1534
Per Foot		72	75	78	81	84	90	93	99	102	108	114	120	126	135	144

3 in. RC Chain Guard (One Side)																
Conveying Surface		17 3/4"	19 3/4"	21 3/4"	23 3/4"	25 3/4"	29 3/4"	31 3/4"	35 3/4"	37 3/4"	41 3/4"	45 3/4"	53 3/4"	59 3/4"	63 3/4"	65 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	58"	64"	68"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	61 1/4"	69 1/4"	71 1/4"	73 1/4"
3" Centers 10' OAL	No. 40 Chain	750	778	806	833	861	916	944	999	1027	1083	1137	1193	1249	1332	1415
Per Foot		63	68	71	74	77	83	86	92	95	101	107	113	119	128	137

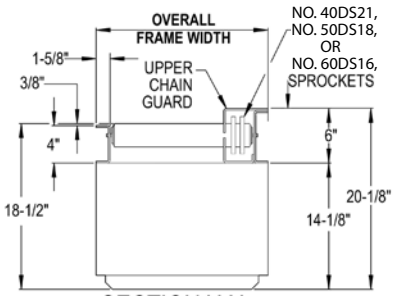
All weights in catalog are conveyor weights only. Accessories, crating, etc. are not included.
Note: Add 1 3/8 in. to OAL for chain guard end caps on 4 in. centers only. For 3 in. RC Chain Guard (both sides), add 3 in. to OAL for chain guard end caps. #40 chain reduces total conveyor capacity. Consult factory.

25-CRR



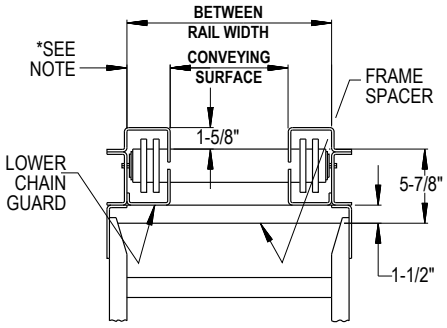


SECTION Y-Y

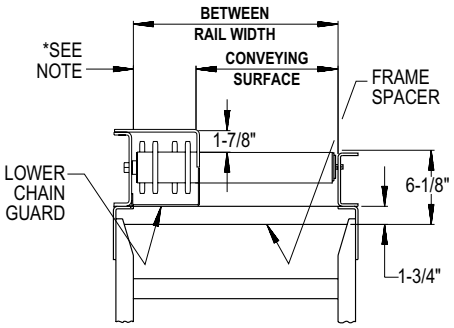


SECTION X-X

25-CRR



3 in. Centers



3 3/4 in. Centers

*Note:
3 1/4 in. for 4 in., 5 in., 6 in., and 7 1/2 in. centers.
6 1/2 in. for 3 3/4 in. centers only.
3 1/4 in. on both sides for 3 in. centers.

Load Capacity Chart @ 30 FPM		
	Total Load (lbs.)	
HP	Up to 50'	Up to 100'
1	9000	6000
2	22000	18000

Note: Capacities are calculated on 5 in. roller centers with #50 Chain.

25-CRR

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated tread rollers spaced every 4 in. with No. 40 roller chain; 5 in. with No. 50 roller chain. No. 60 roller chain used on 3 in., 3 3/4 in., 6 in., and 7 1/2 in. roller centers only. No. 40 chain used on 3 in. with chain guard on one side. Tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel on side opposite chain guard and 6 in. x 4 ga. powder-painted formed steel channel on chain guard side.

CENTER DRIVE – Can be placed in any section of conveyor length, specify. Chain guard located on left hand side.

DRIVE CHAIN – No. 40, 50, or 60 roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers, 1000 lbs. with supports on 5 ft. centers. Contact factory for capacity of No. 40 chain, 4 in. roller centers. NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt supplied on speeds under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

SHAFT-MOUNTED DRIVE – Mounted to side of conveyor complete with torque arm. Minimum elevation to top of rollers is 6 1/2 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 6 in. x 8.2 lb. channel on the chain guard side and 4 in. x 5.4 lb. channel on the opposite side.

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite chain guard.

CHANNEL END STOP – 6 in. x 8.2 lb. structural channel end stop.

ROLLERS SET LOW – Tread rollers mounted in 6 in. x 4 ga. formed steel channel frame to form 1 5/8 in. high guard rails.

CHAIN CROSSOVER – Separate 3-roller section moves driving chain from one side of conveyor to the other. Offset-style adds 9 in. with 3 in. roller centers, 12 in. to OAL of conveyor with 4 in. roller centers, 15 in. with 5 in. roller centers, and 18 in. with 6 in. roller centers.

TRANSFERS – Chain transfers available. See Accessory section.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

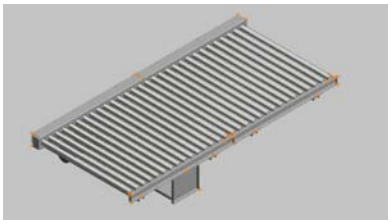
ELECTRICAL CONTROLS – Non-reversing magnetic starter with push-button stations. AC variable frequency drive.

26-CRR

Chain Driven Live Roller Conveyor

The heavy design of the 26-CRR allows it to be used for conveying higher load capacities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries.

- 15 Bed Widths
- Center Drive
- Reversible
- Chain Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown in Standard Gray.

OTHER STANDARD COLORS

TECHNICAL MANUAL

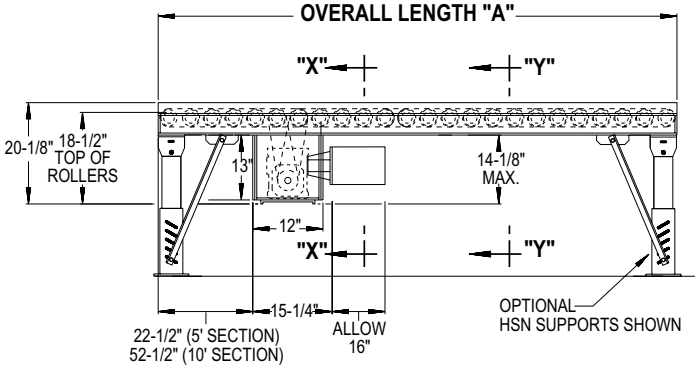
4 in., 5 in., 6 in., and 7 1/2 in., Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		19"	21"	23"	25"	27"	31"	33"	37"	39"	43"	47"	51"	55"	61"	67"
Overall Frame Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
*4" Centers 10' OAL	No. 40 Chain	808	845	882	919	956	1030	1067	1141	1178	1252	1326	1400	1474	1585	1696
Per Foot		73	77	81	85	89	97	101	109	113	121	129	137	145	157	169
5" Centers 10' OAL	No. 50 Chain	707	742	777	812	847	917	952	1022	1057	1127	1197	1267	1337	1442	1547
Per Foot		65	69	73	77	81	89	93	101	105	113	121	129	137	149	161
6" Centers 10' OAL	No. 60 Chain	639	673	707	741	775	843	877	945	979	1047	1115	1183	1251	1353	1455
Per Foot		59	62	65	68	71	77	80	86	89	95	101	107	113	122	131
7 1/2" Centers 10' OAL	No. 60 Chain	572	605	638	671	704	770	803	869	902	968	1034	1100	1166	1265	1364
Per Foot		55	59	61	64	67	73	76	82	85	91	97	103	109	118	127

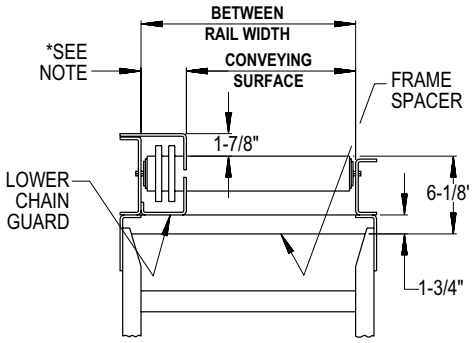
3 in. Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
Overall Frame Width		25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	37 1/2"	39 1/2"	43 1/2"	45 1/2"	49 1/2"	53 1/2"	57 1/2"	61 1/2"	67 1/2"	73 1/2"
3" Centers 10' OAL	No. 60 Chain	976	1016	1056	1096	1136	1216	1256	1336	1376	1456	1536	1616	1696	1816	1936
Per Foot		87	90	93	96	99	103	108	114	117	123	129	135	141	150	159

3 3/4 in. Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	54"	58"	64"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	57 1/4"	61 1/4"	67 1/4"	73 1/4"
3 3/4" Centers 10' OAL	No. 60 Chain	839	879	919	959	999	1079	1119	1199	1239	1319	1399	1479	1559	1629	1799
Per Foot		78	81	84	87	90	96	99	105	108	114	120	126	132	141	150

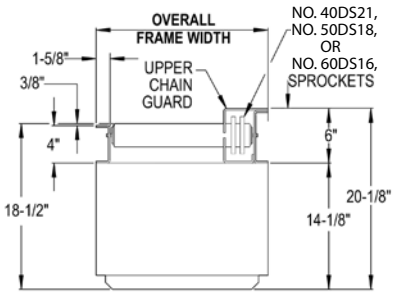
All weights in catalog are conveyor weights only. Accessories, crating, etc. are not included.
Note: Add 1 3/8 in. to OAL for chain guard end caps on 4 in. centers only.
Note: Add 3 in. to OAL for chain guard end caps on 3 in. roller centers only.
*#40 chain reduces total conveyor capacity. Consult factory.

26-CRR



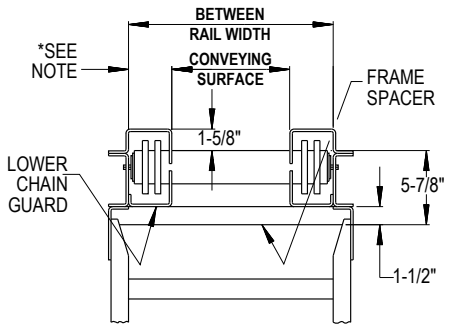


SECTION Y-Y

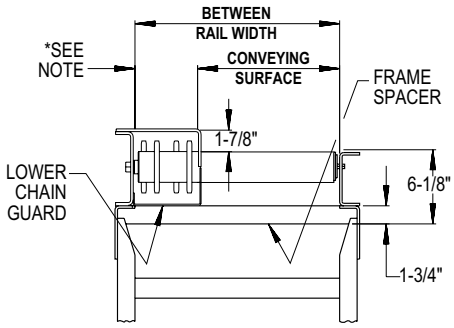


SECTION X-X

26-CRR



3 in. Centers (Welded Frame)



3 3/4 in. Centers

*Note:
3 1/4 in. for 4 in., 5 in., 6 in., and 7 1/2 in. centers.
6 1/2 in. for 3 3/4 in. centers only.
3 1/4 in. on both sides for 3 in. centers.

Load Capacity Chart @ 30 FPM Total Load (lbs.)		
HP	Up to 50'	Up to 100'
1	9000	6000
2	22000	18000

Note: Capacities are calculated on 5 in. roller centers with #50 Chain.

26-CRR

Standard Specifications

BED – Roller bed with 2 5/8 in. dia. x 7 ga. unplated tread rollers spaced every 4 in. with No. 40 roller chain; 5 in. with No. 50 roller chain. No. 60 roller chain used on 3 in., 3 3/4 in., 6 in., and 7 1/2 in. roller centers only. Tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel on side opposite chain guard and 6 in. x 4 ga. powder-painted formed steel channel on chain guard side. Note: 3 in. roller center tread rollers mounted in 4 in. channel each side.

CENTER DRIVE – Can be placed in any section of conveyor length; specify. Chain guard located on left hand side.

DRIVE CHAIN – No. 40, 50, or 60 roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor 300 lbs. with supports on 10 ft. centers, 1000 lbs. with supports on 5 ft. centers. Contact factory for capacity of No. 40 chain, 4 in. roller centers. NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt supplied on speeds under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

SHAFT-MOUNTED DRIVE – Mounted to side of conveyor complete with torque arm. Minimum elevation to top of rollers is 6 1/2 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 4 in. x 5.4 lb. structural channel (welded).

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite chain guard.

CHANNEL END STOP – 6 in. x 8.2 lb. structural channel end stop.

ROLLERS SET LOW – Tread rollers mounted in 6 in. x 4 ga. formed steel channel frame to form 1 5/8 in. high guard rails. Also available in 5 in. x 6.7 lbs. structural channel frame (welded). Specify.

CHAIN CROSSOVER – Separate 3-roller section moves driving chain from one side of conveyor to other. Offset-style adds 12 in. to OAL of conveyor with No. 40 chain, 15 in. with No. 50 chain, and 18 in. with No. 60 chain.

TRANSFERS – Chain transfers available. See Accessory section.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starter with push-button stations. AC variable frequency drive.