



Fig. 2. Details of gravity roller conveyor

A. TOTAL WEIGHT OF GRAVITY ROLLER CONVEYOR (MILD STEEL ROLLER)

Sr. No.	Name of Component	Weight (Kg)
1	C- Channel for Chassis	40.30
2	Rollers(Mild steel)	110.97
3	Shafts	20.7156
4	Bearing	4.11
5	C- Channel for Supports	19.932
	Total Weight of assembly	196.03

Design And Weight Optimization Of Gravity Roller Conveyor

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A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the American Society of Mechanical Engineers text.

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Amol Kharage, 2016-11-04 *Thomas Register*, 2004 **Engineering Documents Center Index** University of Illinois at Urbana-Champaign. Engineering Documents Center, 1996 **Thomas' Register of American Manufacturers**, 2002

Applied mechanics reviews, 1948 *Petroleum Abstracts*, 1992 *Thomas Register of American Manufacturers and Thomas Register Catalog File*, 2002 Vols for 1970 71 includes manufacturers catalogs **Agricultural Engineering Index, 1971-1980** Carl W. Hall, James A. Basselman, 1982 Chemical Engineering Equipment Buyers' Guide, 1990 **Textile Technology Digest**, 1971 *Agricultural Engineering Index*, 1982 **Conference Papers Index**, 1980 **American Papermaker**, 1995 Indexes to ... Publications American Society of Mechanical Engineers, 1978 **Belt Conveyors** University of Witwatersrand, 1981 **Package Conveyors: Design & Estimating** D. K. Smith, 1972 *Beltcon 1* J. H. Rall, R. Vogel, 1981* *Conveyor. Roller. Gravity 1000 Pounds Per Foot Capacity* DREXEL DYNAMICS CORP HORSHAM PA., 1962 The gravity roller conveyor design s investigated by Drexel Dynamics Corporaion consisted of an al aluimum section 116 5 8 in long containing 20 2 1 4 in OD rollers mounted through bearings on 5 8 in hexagonal shafts The shafts were joined to the side frames by reworked AN 15 lock pins Junction of 2 or more sections was ccomplished by engagement of the hinge assemblies located at diagonal corners of the conveyor setion Author

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