BUILT TO LAST

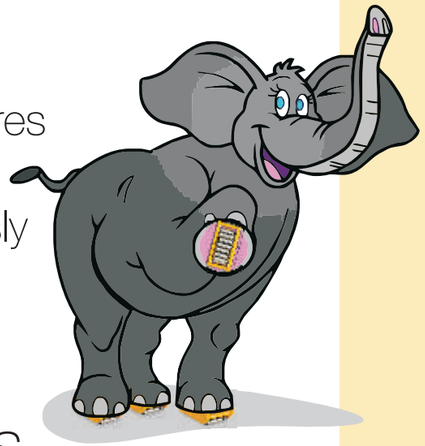
IAR

Move anything...anywhere.....

of course with Pavaman skidrollers

Heavy structures **skate** almost effortlessly on IAR SHD series

(Super **Heavy** Duty) Rollers!



With load capacities from 100 to 1000 tons per unit, virtually any load is transportable.

Typical applications range from installing steam generators or precipitators, rolling entire bridges, advancing launching trusses, skidding drill works aboard offshore rigs, even relocating entire multistory structures!

The same top plate configurations are available as for

Pavaman Rollers 'E', 'ET' and 'XT' Series.

The 'ET' style top is flush with the frame body width and length.

The 'XT" style top overhangs the body at the ends.

The 'E' style top overhangs the body sides.

The 150 and 200 T **SHD** Seires Rollers have long frame and wide frame configurations as well.

Standard hole patterns are supplied in the 'E' and 'XT' versions.

The user can specify no holes if preferred.

Special modifications such as drilled and tapped holes short or wide versions are also available.

about IAR

"We are here to stay in the field of CNC and automation accessories. We are deeply devoted to the development of our products and services. Our aim is complete customer satisfaction."
– V.V. Mujumdar,
Founder, IAR

Institute of Applied Research (IAR), established in 1974 as a research organisation, is engaged in research activities in the areas of –

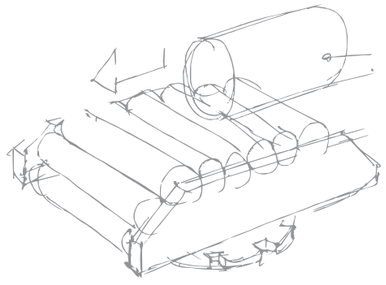
- Material Sciences
- Precision linear actuator ball screws
- Nano technology in medical sciences
- Material handling equipment

IAR has had the distinction of excelling in different areas of technology and has several national and international awards to its credit.

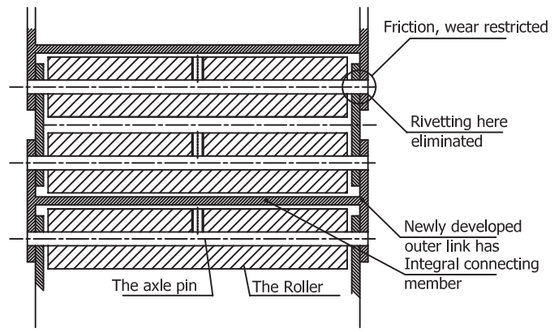
Situated in India at MIDC Bhosari, Pune in Maharashtra state on 18,000 sq. ft. plot with a built-up area of 8500 sq. ft., IAR not only manufactures ball screws and skid rollers but also sponsors projects for graduate and post-graduate engineering students, training them in the competitive environment of the small-scale industry sector with a view to promote entrepreneurship. Foreign students, especially from Spain and France, are regularly trained at IAR.

FEATURES

- Consists of a main body lockable index plate and a caterpillar type endless roller chain
- Chain and rollers made of carburizing steel duly case carburized and hardened for resistance to wear & tear
- Load bearing surface has swivelling arrangements with indexing facility to orient the direction
- No additional space required for turning circle, separate turning arm provided for this purpose
  Designed and spaced to act as "self brake" for safe operation in restricted areas
- For carrying bigger loads with larger base, it can be cascaded
- Interconnectiong bars are available separately on request
- Can act as surface rollers in specialized applications.



- Free maintenance
- Since small and compact, takes very little storage space
- After 15 years research and development we have succeeded in developing a construction that offers practically minimum friction



Since, in this innovation, the roller is clamped with a grub screw with the axle pin, so the loadrubbing (against the chainlinks) gets restricted to the short end portion. The unusual (newly developed) outer link is also noteworthy. Both the outer end pieces are connected by a specially designed link.

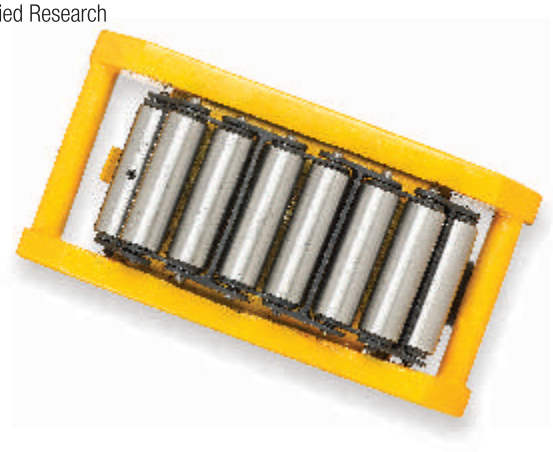
This feature makes the linking cage robust and powerful so that there is no loosening. It also does away with the riveting at the axle pin ends.

Pavaman skidrollers 'E', 'ET', 'XT', 'EXT'

Technical Specifications :

Model	Capacity	Body Dimentions			Top Plate Dimensions			Contact Rollers Details			Weight
		Length	Height	Width	Thick	Width	Length	Contact Rolls	Roll Dia	Roll Width	
	Metric Tons	mm			mm			mm			kgs
100-Pavaman E	100-tons	530	170	200	25	350	530	7	50	92	115
150-Pavaman ET	150-tons	810	170	200	25	350	810	11	50	92	175
150-Pavaman XT	150-tons	530	170	250	25	400	530	14	50	92	135
200-Pavaman ET	200-tons	910	170	200	25	350	910	14	50	92	200
200-Pavaman XT	200-tons	530	170	290	25	530	530	14	50	92	170
200-Pavaman EXT	200-tons	530	170	370	25	530	530	14	50	92	190
300-Pavaman E	300-tons	860	250	270	38	530	860	8	75	127	390
500-Pavaman E	500-tons	860	250	500	38	760	860	16	75	127	650
750-Pavaman E	750-tons	860	250	700	38	950	860	24	75	127	930
1000-Pavaman E	1000-tons	1300	380	1050	58	1430	1300	36	110	190	1390

Above dimensions may change as and when decided by Institute of Applied Research



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