

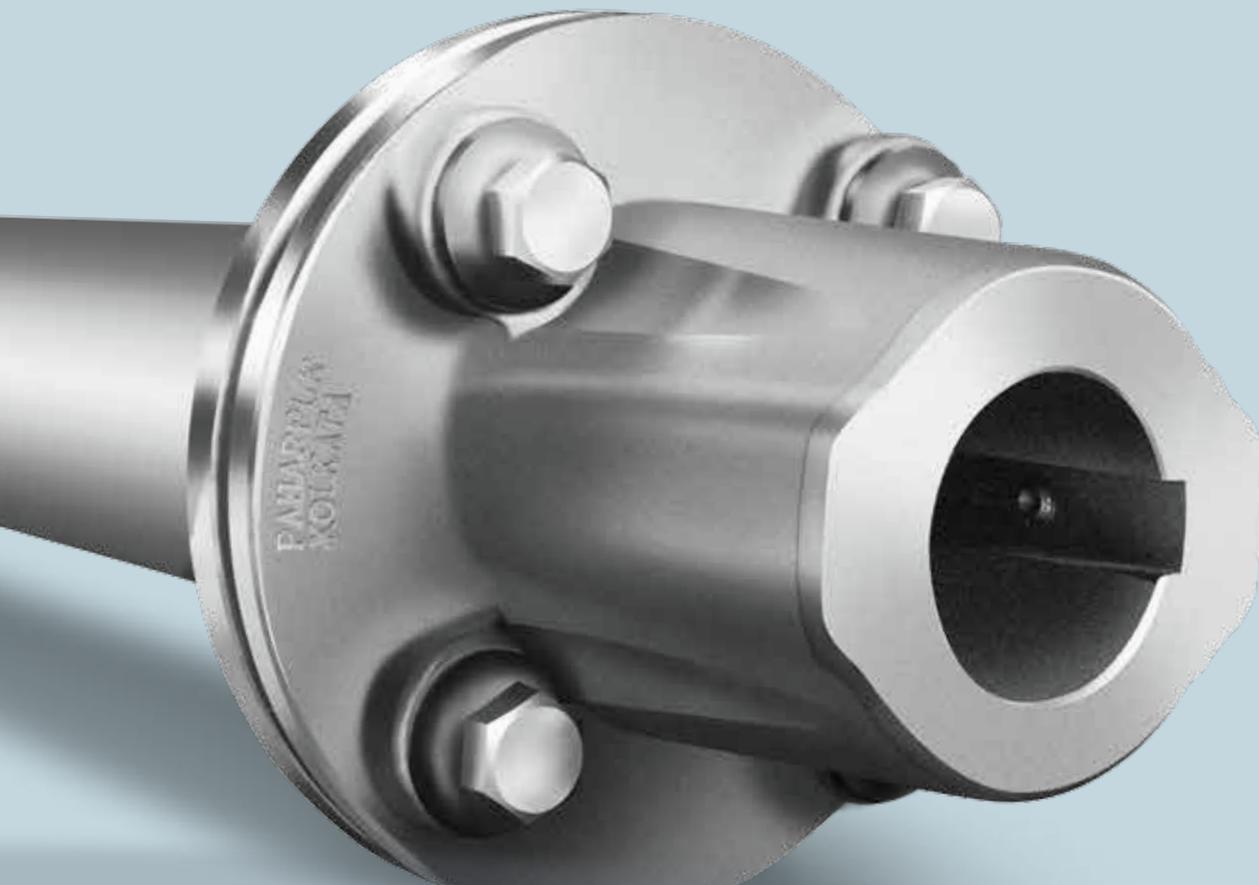


Your Full-Service
Cooling Technologies Company
www.paharpur.com

DRIVE SHAFT SERIES 175

POWER TRANSMISSION UPTO

56 kW



**FULLY-FLOATING,
ZERO-LOSS DRIVE SHAFTS**

PAHARPUR LEADS

Paharpur's dynamically balanced, fully-floating driveshafts deliver lossless performance in the turbulent conditions inside your cooling tower.



PAHARPUR
SERIES 175

Paharpur delivers only perfectly balanced driveshafts – to ensure maximum stability and reliability during operation. With our fully-floating assemblies, there is no friction-loss and the shaft transmits torque to the gear reducer, greatly improving operating economy.

Perfect balancing is crucial to preserve the integrity of the drive train

Fully-floating driveshafts have zero friction loss:

Paharpur's driveshafts are fully-floating i.e., they are not supported by bearings. This type of assembly has zero friction-loss and when properly balanced, it can greatly improve operating economy.

Perfect balancing ensures steady operation:

When it comes to drive shafts, the difference between acceptable and exceptional performance is perfection in balancing. Paharpur's drive shafts are dynamically balanced to perfection at our facilities before shipping – this process involves careful and repetitive testing to attain perfect weight distribution across the axis of rotation.

Improperly balanced rotating equipment will cause damage to the

integrity of the drive train and might even result in abrupt breakdown of the system. Imperfect balancing is also often responsible for wear and tear of bushes, this detail is often overlooked by those who might not be as thorough with their manufacturing.

The right material of construction:

The first step to ensuring a high quality output is selecting the right material of construction. Paharpur's driveshafts are available in permutations of cast-iron, HDG steel, SS304 and SS316.

Drive-train vs Direct-drive systems:

Paharpur provides gear-driven systems for fan operation. Such a system has multiple advantages; firstly, it allows the motor to be placed outside the fan cylinder, i.e. outside the

moist air stream, this protects the motor from damage. Secondly, using a gear-reducer gives you greater control over fan speed, as opposed to a direct-drive system which must rely on the motor for speed control.

Corrosion resistance:

Driveshafts operate in a moist and turbulent atmosphere. This demands robust and corrosion resistant construction. MOC for Paharpur drive shafts are selected for their high corrosion resistant and robust properties, for long and reliable service lives.

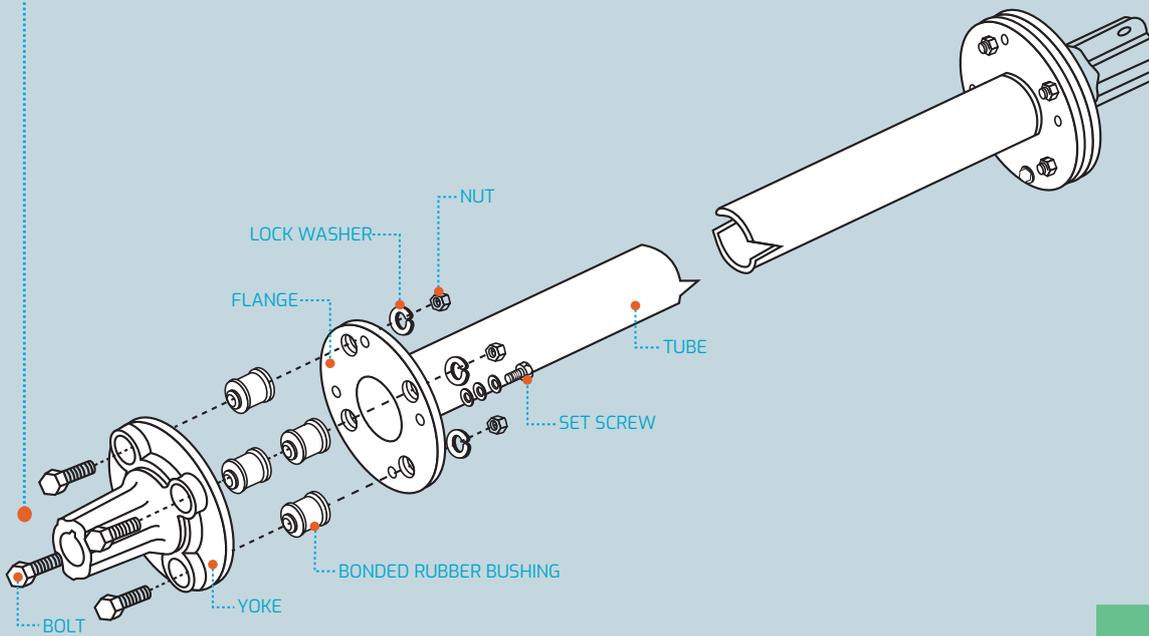
Rely on Paharpur's in-depth and methodical approach to cooling tower design and manufacturing for the most reliable process cooling equipment.



Your Full-Service
Cooling Technologies Company
www.paharpur.com

NEOPRENE RUBBER BUSHINGS

These rubber bushings are effective shock absorbers and help to maintain alignment of the shaft and flanges.



No lubrication
is required on
Paharpur
produced
drive shafts

APPROX. WT. (kg.)	MAXIMUM GEAR END BORE (mm)	MAXIMUM MOTOR END BORE (mm)	MAXIMUM OVERALL LENGTH (mm)	MAX. MOTOR kW @ 1450 RPM	ENGAGEMENT (mm)	TUBE DIAMETER (mm)	MAX. FAN DIA
45.4	60	75	2935	56	76	100 NB*	288"/24

*NB – Nominal Bore

PAHARPUR LEADS

PAHARPUR COOLING TOWERS LTD.

Paharpur House
8/1/B Diamond Harbour Road
Kolkata 700027, India
Ph : +91 33 4013 3000
Fax : +91 33 4013 3499
pctccu@paharpur.com



Your Full-Service
Cooling Technologies Company
www.paharpur.com



INDIAN SALES OFFICES

CHENNAI

2G, Vishwapriya Apartment –
3rd floor, Kasthuribhai Nagar,
1st Cross Street, Adyar
Chennai 600020
Ph : +91-44-2490 0275
+91-44-2490 3109
Fax : +91-44-2490 3117
E-Mail : pctmaa@paharpur.com

BENGALURU

Paharpur House
41 Cunningham Road Cross
Bangalore 560052
Ph : +91-80-2226 5566-7
+91-80-2234 1911
Fax : +91-80-2225 3999
E-Mail : pctblr@paharpur.com

HYDERABAD

3rd Floor, "The Grand"
6-3-1090/B/4, Raj Bhavan Road
Somajiguda
Hyderabad 500082
Ph : +91-40-2331 7081-3
Fax : +91-40-2331 7081
E-Mail : pcthyd@paharpur.com

MUMBAI

506 Navkar Chambers, 5th Floor
'B'Wing, Andheri-Kurla Road
Andheri (East)
Mumbai 400059
Phone : +91-22-4043 2432
+91-22-2859 5924-26
Fax : +91-22-2851 4913
E-Mail : pctbom@paharpur.com

NEW DELHI

806 Ashoka Estate
24 Barakhamba Road
New Delhi 110001
Ph : +91-11-2335 7846-50
+91-11-2331 0826
Fax : +91-11-2335 7851
E-Mail : pctdel@paharpur.com

VADODARA

Plot No. 132 KV-I
Manjusar-Savli GIDC
Ta. : Savli, Dist. : Vadodara 391775
Gujarat
Ph : +91-2667- 264331-32
Fax : +91-2667-264333
E-Mail : pctbdq@paharpur.com

INTERNATIONAL SALES OFFICES

Lugano, Switzerland
Izmir, Turkey
Beijing, China
Seoul, South Korea
Denver / Bridgewater/
Overland Park, USA

Brussels, Belgium
Stabio, Switzerland
Varese, Italy
Madrid, Spain
Lagos, Nigeria
Mexico City, Mexico

An ISO 9001:2015,
ISO 14001:2015 &
OSHAS 18001:2007
certified company

www.paharpur.com

PAHARPUR LEADS

Disclaimer:

Paharpur's policy of continued improvement may necessitate data to be changed without notice. For the latest information, please contact Paharpur.