Title (en)

CONVEYING CYLINDER, METHOD FOR MANUFACTURE THEREOF, AND PUMPING EQUIPMENT WITH SAME

Title (de)

FÖRDERZYLINDER, HERSTELLUNGSVERFAHREN DAFÜR UND PUMPANLAGE DAMIT

Title (fr)

CYLINDRE DE TRANSPORT, SON PROCÉDÉ DE FABRICATION ET ÉQUIPEMENT DE POMPAGE LE CONTENANT

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Application

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Abstract (en)

The disclosure discloses a conveying cylinder and a manufacturing method thereof, and pumping equipment comprising the same. The method for manufacturing the conveying cylinder comprises: forming a preliminary cylinder body by mechanical processing; electroplating the surface of the preliminary cylinder body for the first time, and then performing de-hydrogenation treatment on the coating to form a first chromium coating with a hardness of HRC58-60 and a thickness of 0.15-0.2mm; and electroplating the surface of the first chromium coating for the second time to form a second chromium coating with a hardness of HRC66-68 and a thickness of 0.15-0.2mm, namely, forming the conveying cylinder. By the method, the first and second hard chromium coatings of matched thickness and hardness are electroplated on the inner surface of the cylinder body to improve the wearing resistance of the whole conveying cylinder and the anti-falling off capability of each hard chromium coating, therefore, the service life of the conveying cylinder is prolonged.

IPC 8 full level

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