

Prestressing Hydraulic Tension Jack



Description

1. Prestressing hydraulic tension jack is suitable for the tension of group anchors with 1860-2000 sizes, 1524, D12.7 strands
2. Prestressing hydraulic tension jack can be used in the working of pushing, jacking and transforming, used for jacking, stretching, rolling and other operations in construction, shipbuilding, metallurgy, mining, petrochemical, railway engineering and other industries.
3. Prestressing hydraulic tension jack is stable performance, very durable and long life easy to operate and used widely.

Application

Prestressing hydraulic tension jack is matched with prestressed anchorage has the characteristics of large output force, light weight, long working distance, etc., and can realize a variety of operation methods such as pushing, pushing, pulling, squeezing. Prestressing hydraulic tension jack is widely used in bridge construction, railway and subway water conservancy and hydropower engineering, shipbuilding, metallurgy, mining, petrochemical, railway engineering and other industries for jacking, stretching, rolling and other operations, foundation settlement tests and static piles.

Features

Prestressing hydraulic tension jack are the new designed products in our company, are the upgrades of the primary jacks.

1. Prestressing hydraulic tension jack using new seals, to synchronous strengthen the seal-ability under great pressure
2. Prestressing hydraulic tension jack using special alloy steel with heat treatment process, reducing the cylinders expansion ratio in the tensioning process. So the life of



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Zhengzhou Lead Equipment Co., Ltd.

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seals and sealing performance can be improved about 20%

3. In the tensioning and operating process jacks is easily damaged under overpressure because of the jack-based pullback cylinder so we added the overpressure valve on the prestressing hydraulic tension jack to pressure production. Meanwhile, we improved the original of the commonly used structure by wire disc and flanged disc to make the bearing capacity for oil pressure strengthen. So enormously reduce the possibility of mechanical damage due to improper operation.

Technical data

Item/Dimensions	Nominal Tension	Rated Oil Pressure	Pulling Stroke	Area of Tensioning Piston	Center hole Diameter	Minimum Working Space		The Reserved Length of Strand	Over dimension	
	KN	Mpa	mm	mm ²	mm	L(mm)	E(mm)	K(mm)	out diameter(mm)	length(mm)
YDC270	270	61	185	4418	30	888	89	415	105	315
YDC650	650	50	150	13018	40	860	145	380	170	288
YDC1100	1100	51	200	19792	80	1210	184	680	217	330
YDC1500	1500	50	200	30257	90	1210	230	680	270	330
YDC2000	2000	51	200	39820	110	1296	272	723	320	360
YDC2500	2500	52	200	48381	127	1306	298	728	350	360
YDC3000	3000	52	200	57727	145	1322	336	736	375	380
YDC3500	3500	48	200	73435	162	1322	336	745	415	395
YDC4000	4000	51	200	79168	162	1324	374	745	435	395
YDC4600	4600	51	200	91028	180	1350	420	750	470	410
YDC5000	5000	49	200	96997	200	1340	434	745	495	410
YDC5500	5500	50	200	110506	198	1350	520	800	526	498
YDC6500	6500	49	200	67544	212	1350	550	850	568	538
YDC9000	9000	51	200	78618	275	1400	620	900	680	603
YDC12000	12000	51	200	231300	275	1400	620	900	780	603



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