

*Planetary gearbox*



**杭州永昌传动机械有限公司**  
**Hangzhou Chinabase Co.,Ltd.**

**Hangzhou Chinabase Co., Ltd.** was founded in 1988, the current planetary gear box are all kinds of professional manufacturing company.

At present, we produced **CB3 Series planetary gear box**, **CB4 series track drives**, **CB7 Series selw drives**, **CB6 Series wheel drives**, has grown to the 10,000 kinds of specification, reduction ratio range of 3.3 ~ 9000, the output torque range of 500 ~ 450000N.m, products exported to more than 90% of the United States, Europe, Australia, South America, the Middle East and Southeast Asia. Planetary gear box installation and dimensions, with Europe and the United States a well-known planetary gear box manufactured products is exactly the same can be fully carried out used interchangeably.

The company has many Taiwan and Taiwan-made fully automatic integrated machining center, CNC grinding machine, CNC gear machines and CNC machine tools, such as a large number of high-quality equipment, thus ensuring high-precision parts. Employees have to undergo a rigorous professional training, have good skills and excellent quality. The adoption of modern computer systems to carry out a full range of management, and successfully passed ISO9001: 2000 quality system certification.

## 杭州永昌传动机械有限公司

成立于 1988 年,目前是各类行星齿轮箱的专业制造公司。

目前,我们生产的 **CB3 系列行星齿轮箱**, **CB4 系列行走齿轮箱**, **CB7 系列回转齿轮箱**, **CB6 系列轮式驱动行星齿轮箱**,已发展到上万种规格,减速比范围 3.3~9000,输出扭矩范围 500~450000N.m,产品 90%以上出口到美国、欧洲、澳洲、南美、中东及东南亚。行星齿轮箱的安装和外形尺寸,与欧洲和美国的著名行星齿轮箱公司制造的产品完全一致,可完全进行互换使用。

公司拥有多台台湾制造的全自动综合加工中心、数控磨齿机、数控插齿机和数控机床等一大批高品质设备,从而保证零件的高精度。公司员工均经过严格的专业培训,具有良好的技能和优良的素质。公司采用现代化的计算机系统进行全方位的管理,并顺利通过 ISO9001 : 2000 的质量体系认证。

## Our equipment 我们的设备



CNC Gear grinding machine 数控磨齿机



Gear measuring machine 齿轮测量仪



CNC Gear shaper 数控插齿机



Machining Center 加工中心



CMMs 三坐标测量仪



Torque test systems 扭矩测试系统

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CB400T SERIES TRACK DRIVES CB400T 系列行走齿轮箱  
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 CB600L SERIES WHEEL DRIVES CB600L 系列轮式驱动齿轮箱-----3---29

Gearbox size 齿轮箱型号	Max. output torque 最大输出扭	Page 页码
CB400---(700C1H), / CB401---(701C1)	1300, / 2000	5-6
CB402, CB602, / CB403, CB603--- (703C2H)	7000	7-8
CB405, CB605, / CB405.4, CB605.4	10000, / 11000	9-10
CB406AT2, CB406AW2---(GFT13T2,GFT13W2)	13000	11
CB406AT3, CB406AW3---(GFT17T3 1000, GFT17W3 1000)	18000	12
CB406T, CB406W---(GFT17T, GFT17W), / CB606L---(606W..V)	18000	13--15
CB406BT3, CB406BW3---(GFT24T3, GFT24W3)	24000	16
CB406CT2, CB406CW2, CB606CL2---(W12D)	28230	17
CB407AT, CB407AW---(GFT26T, GFT26W)	26000	18
CB407T3, CB407W3---(GFT36T3, GFT36W3)	36000	19
CB410T3, CB410W3---(GFT50T3, GFT50W3)	50000	20
CB413T3, CB413W3---(GFT60T3, GFT60W3)	60000	21
CB414T3, CB414W3---(GFT80T3, GFT80W3)	80000	22
CB415T3, CB415W3---(GFT110T3, GFT110W3)	110000	23
CB416T3, CB416W3---(GFT160T3, GFT160W3)	160000	24
CB417T3, CB417W3---(GFT220T3, GFT220W3)	220000	25
CB418T3, CB418LT3---(GFT270T3))	270000	26--27
CB419T3, CB419W3---(GFT330T3, GFT330W3)	330000	28
CB420T4---(GFT450T4)	450000	29

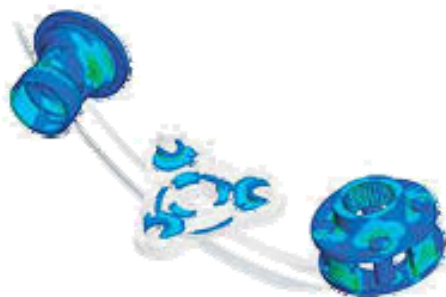
CB700S SERIES SLEW DRIVES CB700S 系列回转齿轮箱  
 CB700L SERIES SLEW DRIVES CB700L 系列回转齿轮箱-----30---44

Gearbox size 齿轮箱型号	Max. output torque 最大输出扭矩 N.m	Page 页码
CB700L, CB701L, CB703AL, CB705AL	1200, 2400, 3500, 6500	26
CB706AL, CB707AL, CB709AL, CB711AL	12000, 165000, 26000, 45000	27
CB705L, CB706L, CB707L, CB709L	6500, 12000, 165000, 26000	28
CB711L, CB713L3, CB715L3	45000, 55000, 80000	29
CB706S---(GFB17T), CB707S---(GFB26T)	12000, 16500	30---31
CB709S---(GFB36T), CB710S2---(GFB40T)	26000, 29000	32---33
CB710BS---(GFB50T), CB710CS---(GFB60T-1000)	35000, 48500	34---35
CB710DS---(GFB60T-1000/1)	48500	36
CB714S3---(GFB80T3), CB715S3---(GFB110T3)	68300, 93300	37---38

CB700L4 SERIES Yaw and Pitch Drive for Wind Turbines  
 CB700L4 系列 风力涡轮机的偏航和变桨驱动齿轮箱-----45---50

Gearbox size 齿轮箱型号	Nominal Output Torque 额定输出扭矩 N.m	Page 页码
CB700L, CB701L, CB703AL, CB705AL	1000, 2000, 2500, 5000	41
CB706BL, CB707AL, CB709AL, CB711BL	8000, 12000, 18000, 35000	42
CB705L, CB706L, CB707L, CB709L	5000, 8000, 12000, 18000	43
CB710L, CB711L, CB713L, CB715L	25000, 35000, 50000, 80000	44

CB300L SERIES In Line Planetary drives CB300L 系列 直线型行星齿轮箱  
 CB300R SERIES Right angle Planetary drives CB300R 系列 直角型行星齿轮箱-----51----52



### **CB400T SERIES TRACK DRIVES**

## **CB400T 系列行走齿轮箱**

### **CB400W SERIES WINCH DRIVES**

## **CB400W 系列卷扬齿轮箱**

### **CB600L SERIES WHEEL DRIVES**

## **CB600L 系列轮式驱动齿轮箱**



The **CB400T** series track drives, **CB400W** series winch drives and **CB600L** series wheel drives by **Hangzhou Chinabase Co., Ltd.** enjoy following features:

- Output torque Range:** 1000 ... 220000 N.m
- Gear Ratios:**  $i=5.3 \dots 365$
- Support:** Rotating housing flange to fit tracks, wheel or winch
- Applicable motors:** Axial piston hydraulic motors, Hydraulic orbit motors or others
- Hydraulic motor options:** Pressure relief valve, Overcenter valve on request
- Bearing:** Robust gearing system absorbing the forces exerted by the ring gear
- Brake:** Hydraulic released parking brake on request
- Others:** CB600L Series wheel drives with manual disconnect application
- Max. output torque:** CB400T track drive and CB400L wheel drive, indicated are peak torque admissible for short periods only. CB400W winch drive indicated under technical data for crane applications relate to FEM Section 1, 3<sup>rd</sup> Edition and Section IX (FEM – Federation Europeenne de la Manutention), as well as DIN 15020, collective load class L2, service time category T5 corresponding to driver group M5. If the winch drive is classified in another driver group the required, output torque must be converted by applying factor K.

杭州永昌传动机械有限公司生产的

**CB400T**系列行走齿轮箱，**CB400W**系列卷扬齿轮箱和**CB600L**系列轮式驱动齿轮箱具有下述特点：

- 输出扭矩范围:** 1000...220000 N.m
- 减速比:**  $i=5.3 \dots 365$
- 安装方式:** 旋转的法兰安装于链轮、轮胎或卷筒上。
- 配套马达:** 轴向柱塞马达、摆线马达或其它。
- 配套液压马附件:** 安全阀、平衡阀等可供选择。
- 轴承:** 坚固的轴承结构可支承设备的部分重量。
- 制动器:** 允许带或不带液压停车制动器。
- 其它:** CB600L系列轮式驱动齿轮箱，带有手动分离装置，以便于车辆拖离。
- 最大输出扭矩:** CB400T行走齿轮箱和CB600L轮式驱动齿轮箱，所给出的最大输出扭矩只是短期可承受的最大扭矩。CB400W卷扬齿轮箱技术参数中的所指出的最大输出扭矩对应于FEM第3版的第一章和第九章,以及DIN 15020中,当载荷级别为L2, 运行时间级别为T5, 机构工作级别为M5时。对于不同的机构工作级别, 必须采用使用系数K, 对所要求的输出扭矩进行换算。

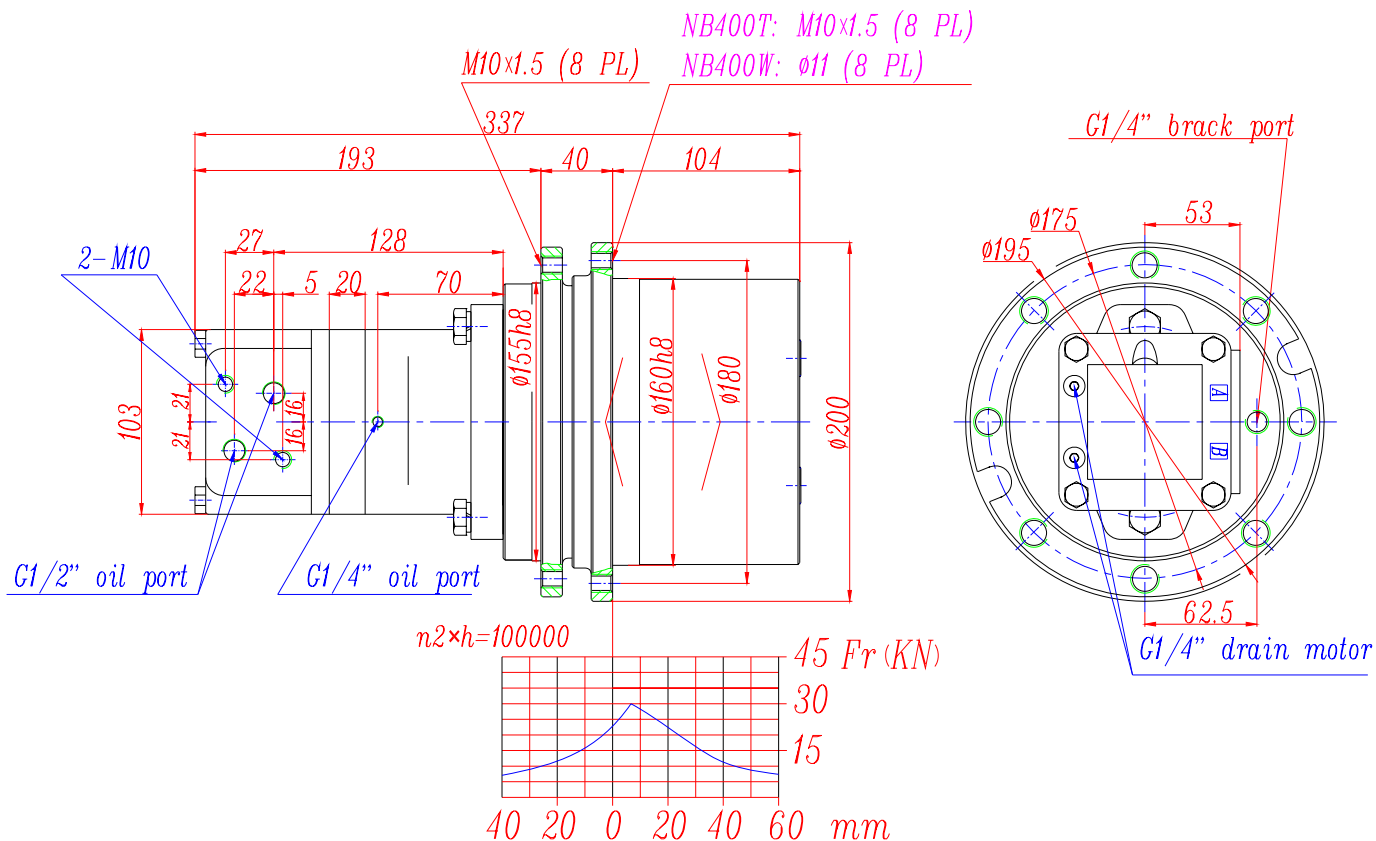
## PRODUCT IDENTIFICATION SCHEME 产品型号标记:

1	2	3	4	5	6	7	8
<b>CB</b>	<b>413</b>	<b>T</b>	<b>3</b>	<b>139</b>	<b>WO</b>	<b>A2FE63</b>	<b>A</b>

- CB**-----: Hangzhou Chinabase. 杭州永昌传动机械
- 413**-----: Gearbox size, **400, 401, 402...417, 602, 603...615** 机座号
- T**-----: series, **T**...Track drive, **W**...Winch drive, **L**...Wheel drive  
系列号, **T**...行走齿轮箱, **W**...卷扬齿轮箱, **L**...轮式驱动齿轮箱
- 3**-----: Number of stages, **1**...single stage, **2**...double stage, **3**...triple stage, **4**...four stage  
行星齿轮箱传动级数, **1**...单级, **2**...双级, **3**...三级, **4**...四级
- 139**-----: Ratio 减速比
- WO**-----: With or without brake, **WO**...without brake, no symbol...with brake  
带或不带制动器, **WO**---表示不带制动器, 无符号---表示带制动器
- A2FE63**-----: Motor type 配套马达类型
- A**-----: Motor shaft mark, **A**...A shaft motor, **Z**...Z shaft motor  
马达轴标记, **A**...A型轴马达, **Z**...Z型轴马达



## CB400T1 TRACK DRIVES 行走齿轮箱 (700C1H) CB400W1 WINCH DRIVES 卷扬齿轮箱



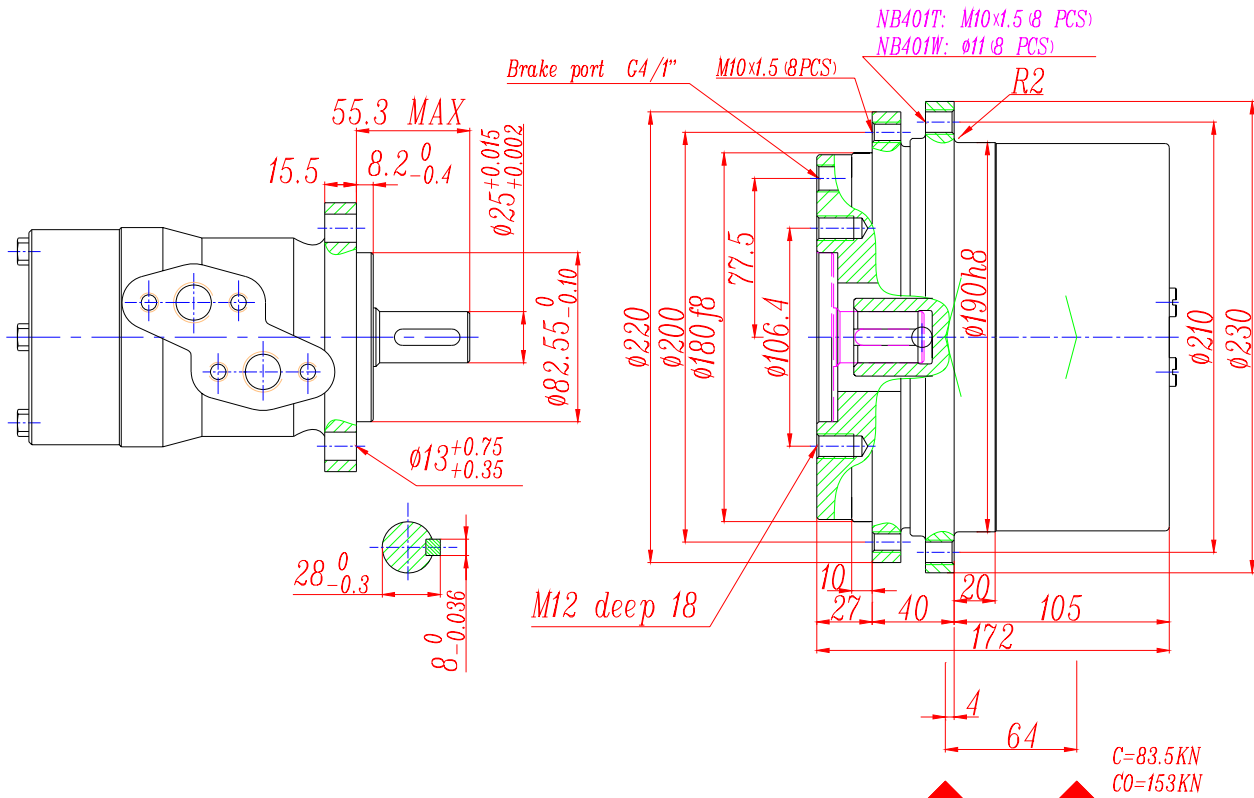
### Technical specification 技术参数

Max.Output Torque 最大输出扭矩 (N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB400T	CB400W	CB600L					
1300	870	---	6.09	EATON, 2K SAE A adopt φ 25 Shaft Z13,DP16/32 Spline	1000	130	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB401T1 TRACK DRIVES 行走齿轮箱(701C1)

## CB401W1 WINCH DRIVES 卷扬齿轮箱

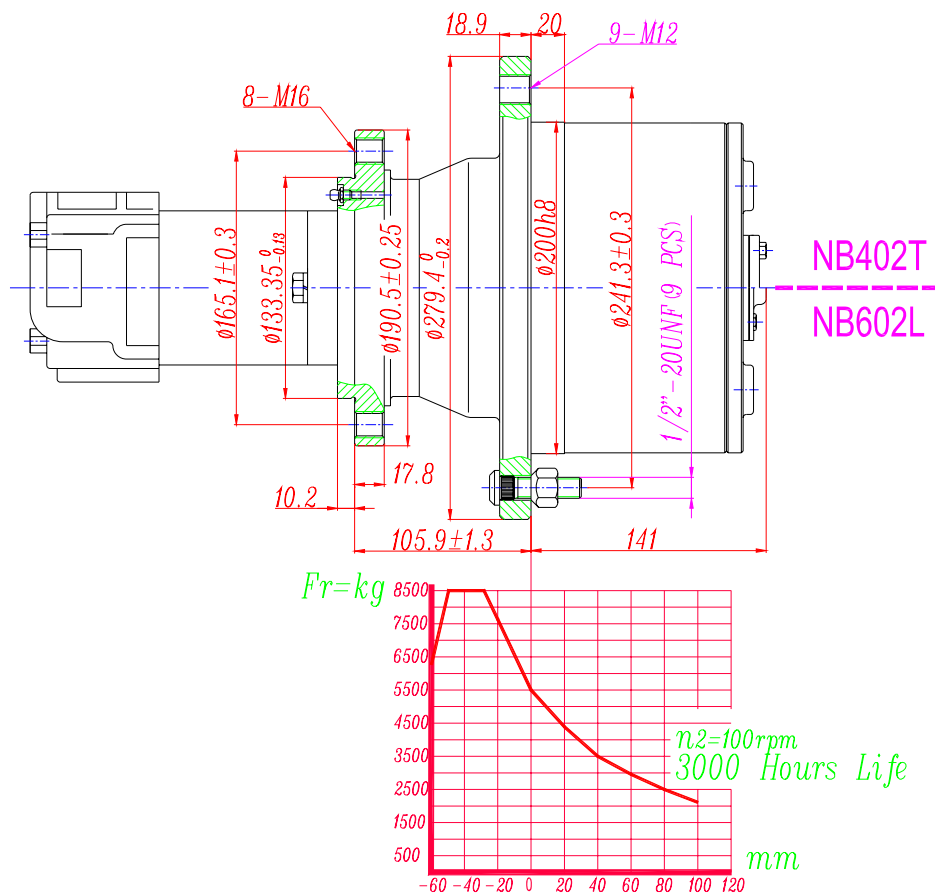


### Technical specification 技术参数

Max.Output Torque 最大输出扭矩 (N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB401T	CB401W	CB601L					
2000	1300	---	6.2	Danfoss OMP SAE A adopt $\phi 25$ Shaft Z13,DP16/32 Spline	1000	270	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB402T2-\*\*-WO-\*\* TRACK DRIVES 行走齿轮箱**  
**CB602L2-\*\*-WO-\*\* WHEEL DRIVES 轮式驱动齿轮箱**



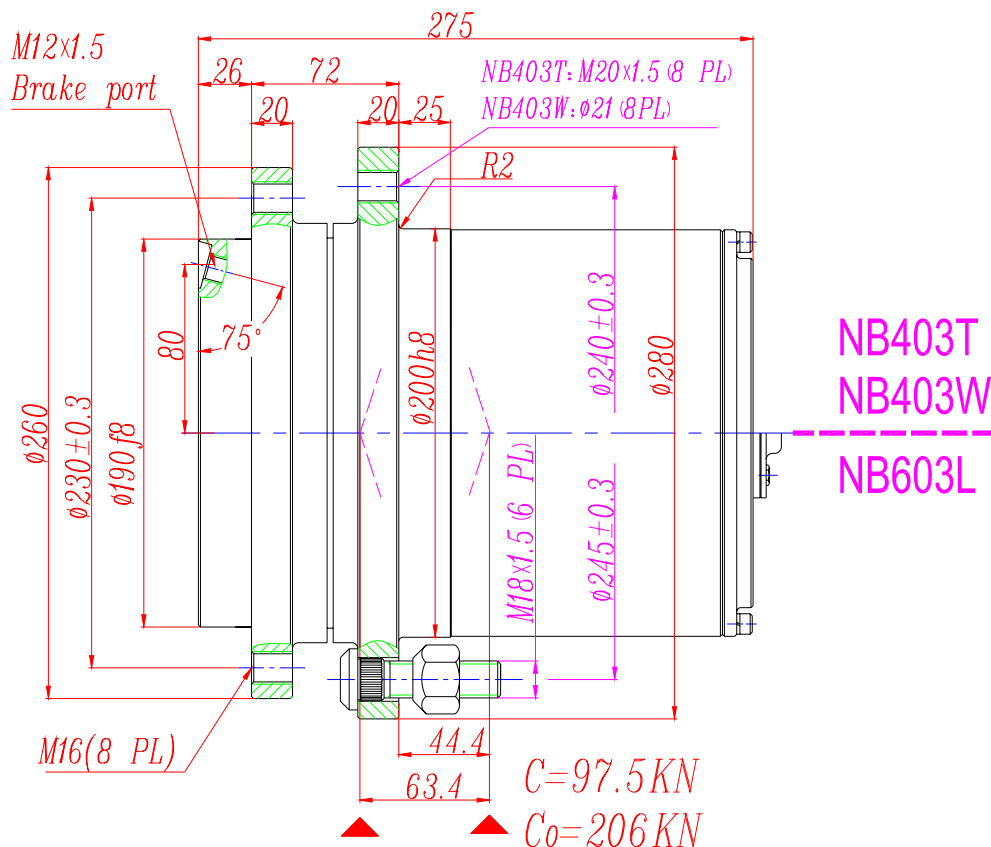
**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)			Ratio 减速比	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB402T	CB402W	CB602L	(i)				
7000	----	7000	18.6	EATON, 2K	4000	----	----
			24.4	SAE A adopt			
			29.3	φ 25 Shaft			
			37.1	Z13,DP16/32 Spline			

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- If with manual disconnect application, please add mark “M” in product identification scheme end. 如果带有手动分离装置, 请在产品型号的最后标记 “M”
- Without brake. 不带制动器。



**CB403T2 TRACK DRIVES 行走齿轮箱(703C2H)**  
**CB403W2 WINCH DRIVES 卷扬齿轮箱**  
**CB603L2 WHEEL DRIVES 轮式驱动齿轮箱**

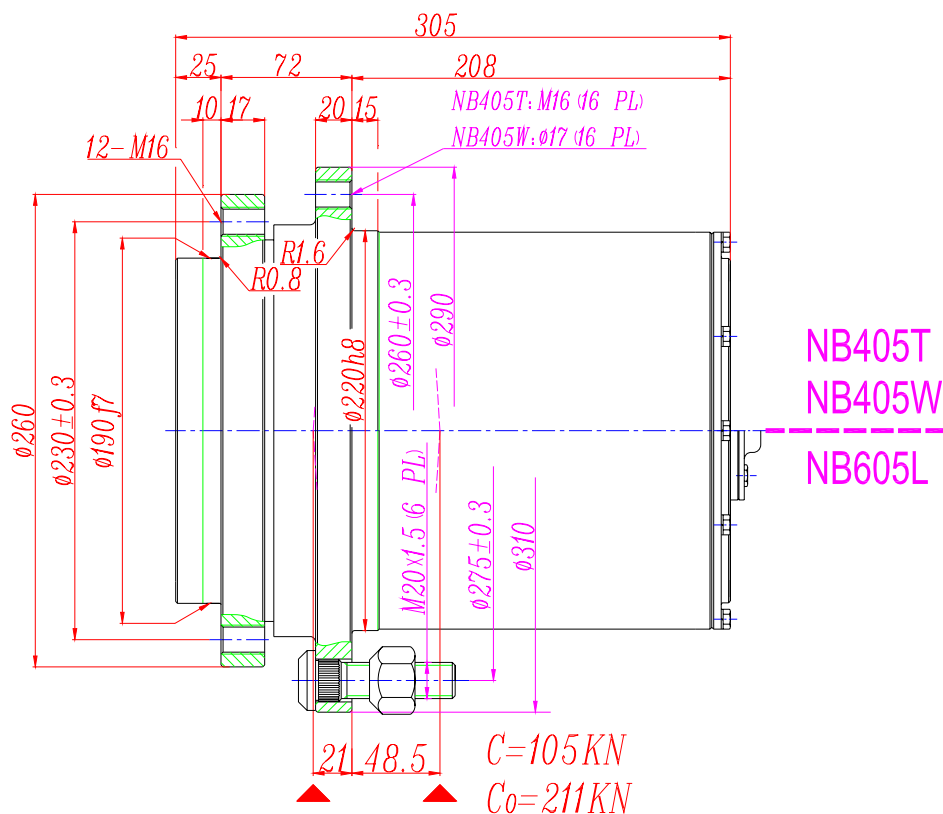


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB403T	CB403W	CB603L					
7000	4000	7000	18.6 24.4 29.3 37.1	EATON, 2K SAE A adopt SAE B adopt	4000	270	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- If with manual disconnect application, please add mark "M" in product identification scheme end. 如果带有手动分离装置, 请在产品型号的最后标记 "M"

**CB405T2, T3 TRACK DRIVES 行走齿轮箱(705C2H)**  
**CB405W2, W3 WINCH DRIVES 卷扬齿轮箱**  
**CB605L2, L3 WHEEL DRIVES 轮式驱动齿轮箱**

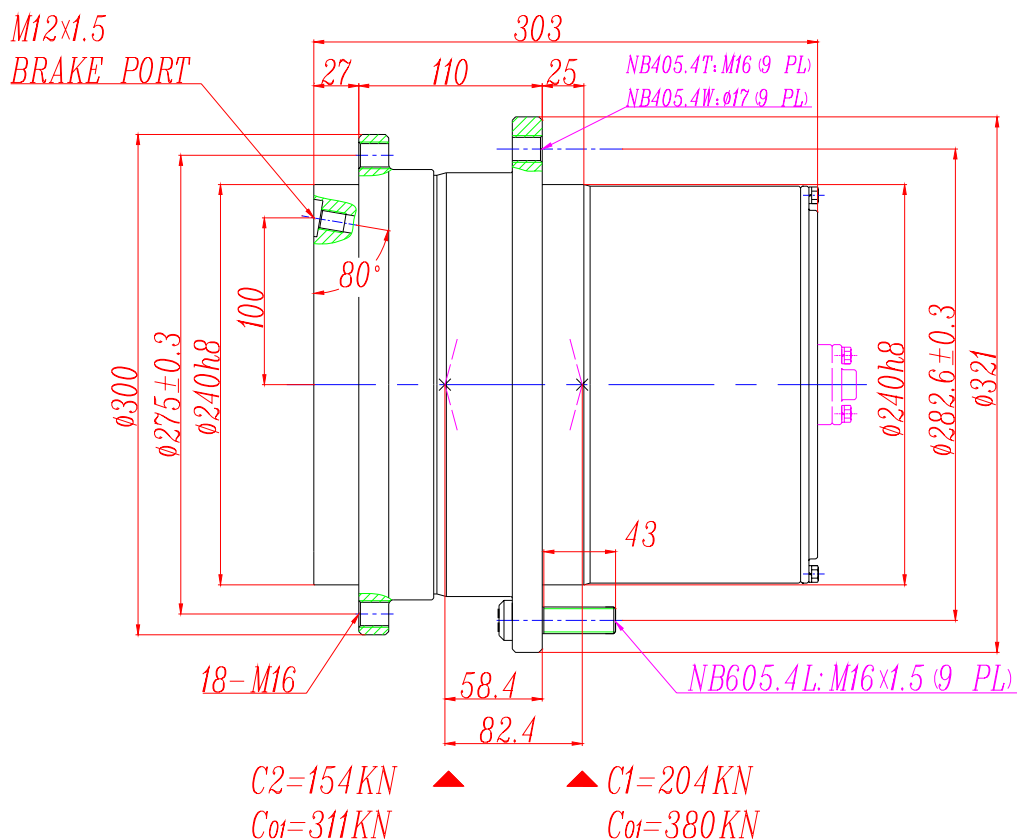


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB405T	CB405W	CB605L					
10000	7000	10000	21.5* 29.9* 48.3 55.0 68.5 79.5	EATON, 2K SAE B adopt A2FE32 A2FM56	4000	270	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- Ratio mark \* is 2 stage, when gearbox is 2 stages, the dimension 208 change to 175, 305 change to 272. \*标记的减速比, 齿轮箱为2级, 当齿轮箱为2级时, 尺寸208改为175, 305改为272。
- If with manual disconnect application, please add mark "M" in product identification scheme end. 如果带有手动分离装置, 请在产品型号的最后标记 "M"

**CB405.4T2 TRACK DRIVES 行走齿轮箱**  
**CB405.4W2 WINCH DRIVES 卷扬齿轮箱**  
**CB605.4L2 WHEEL DRIVES 轮式驱动齿轮箱**

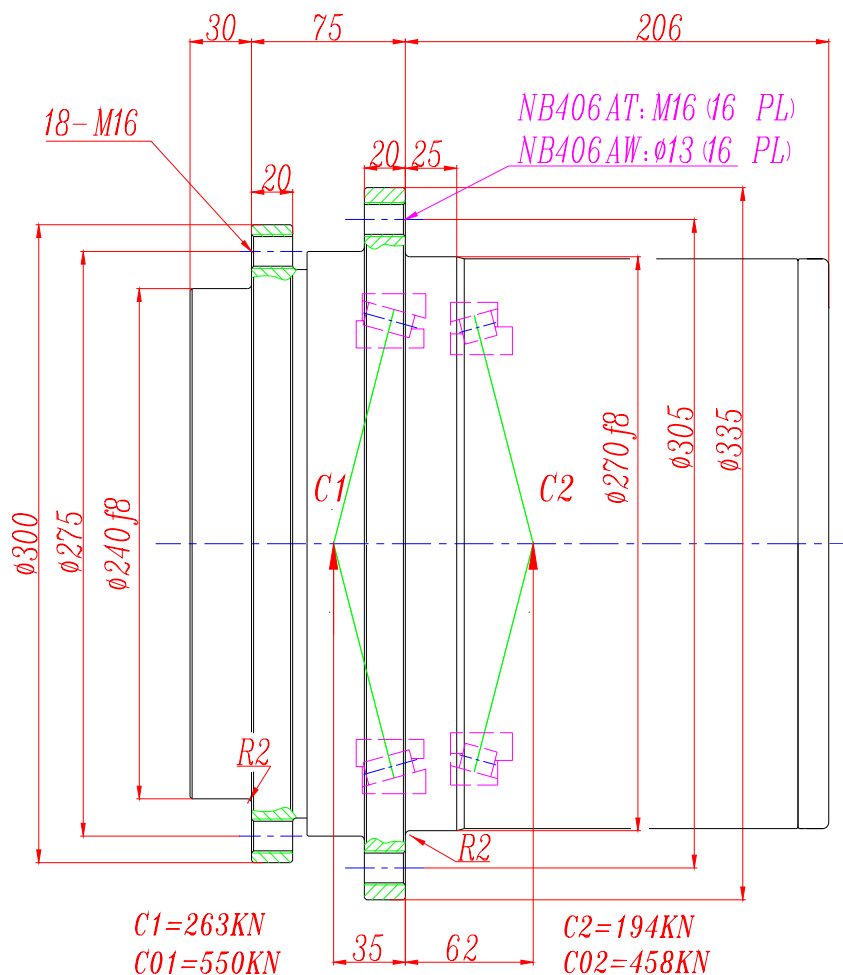


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB405.4T	CB405.4W	CB605.4L					
11000	5500	5500	26.1 30.4 36.8 43.1 45.5 56.7	A2FE45 · 56 · 63 A6VE55 SAUER L or K	4000	280	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- If with manual disconnect application, please add mark “M” in product identification scheme end. 如果带有手动分离装置，请在产品型号的最后标记 “M”

**CB406AT2 TRACK DRIVES 行走齿轮箱(GFT13T2)**  
**CB406AW2 WINCH DRIVES 卷扬齿轮箱(GFT13W2)**



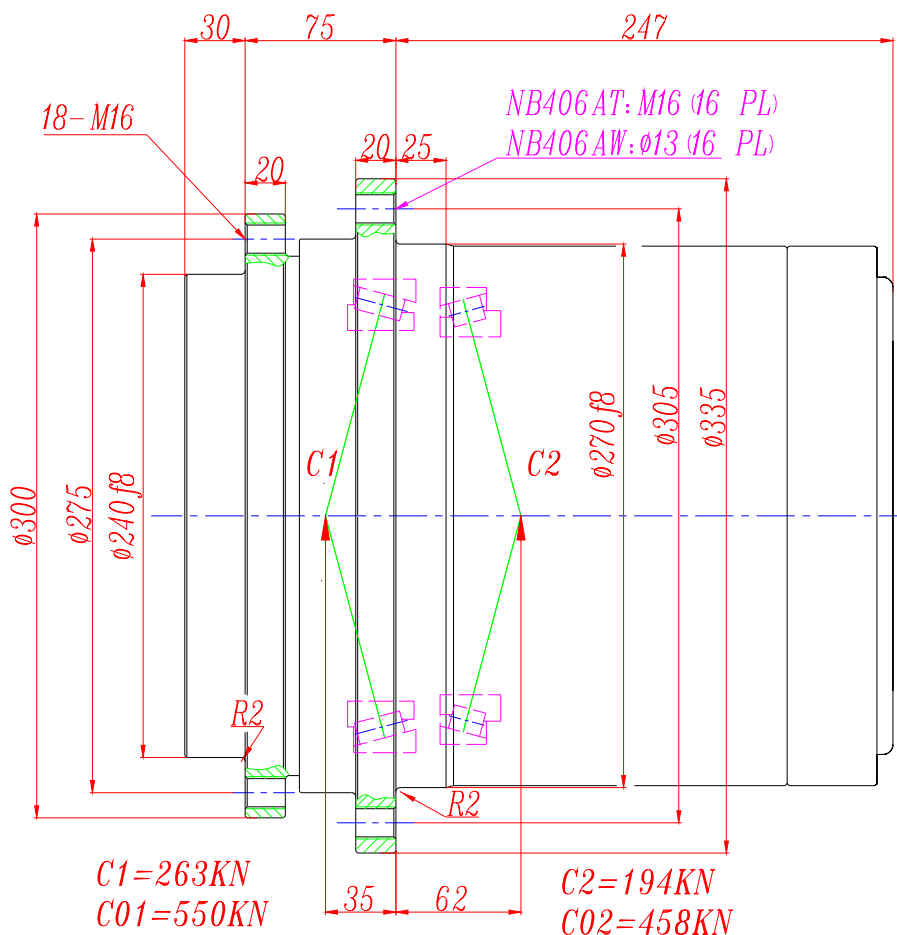
**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406AT2	CB406AW2					
13000	8500	23.4	A2FE45	4000	430	20-50
		27.6	A2FE56			
		34.0	A2FE63			

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB406AT3 TRACK DRIVES 行走齿轮箱(GFT17T3 1000)**

**CB406AW3 WINCH DRIVES 卷扬齿轮箱(GFT17W3 1000)**

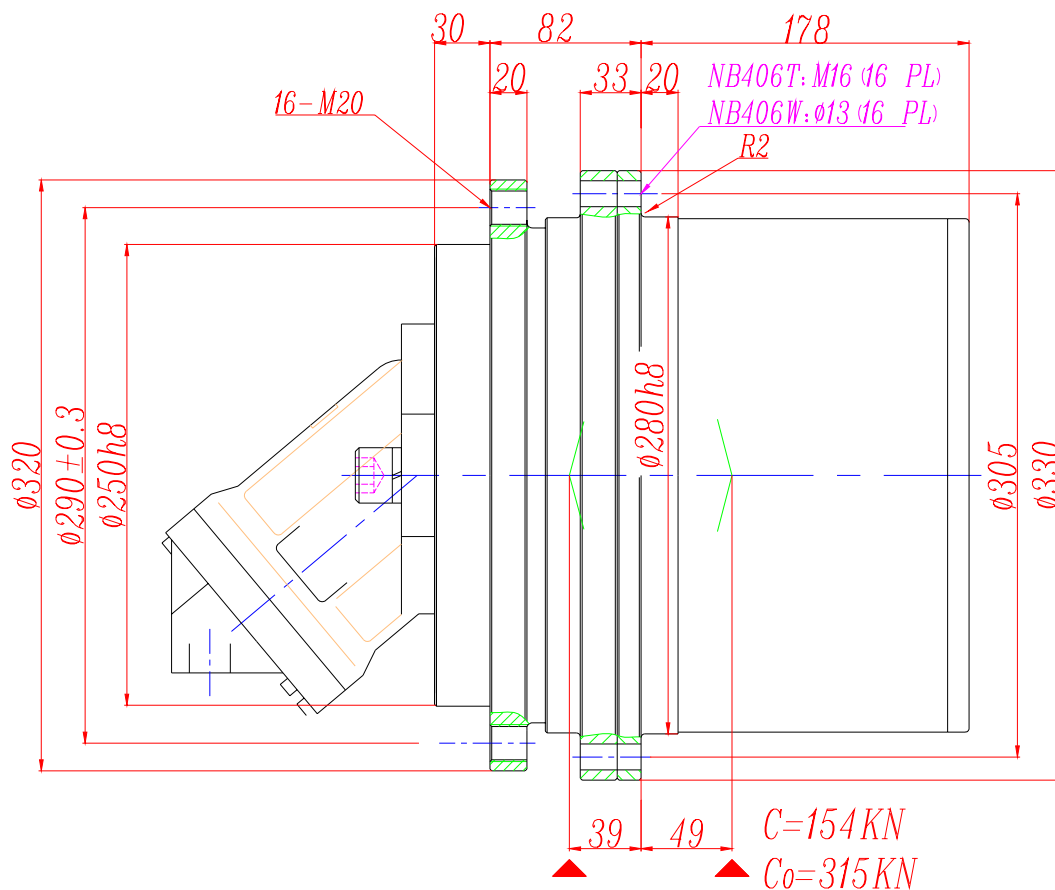


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406AT3	CB406AW3	(i)				
18000	12500	70.3	A2FE28 · 32 A2FE45 · 56 · 63 A6VE28 · 55	4000	430	20-50
		80.0				
		94.5				
		110.9				
		136.1				
		173				
219.4						

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB406T2 TRACK DRIVES 行走齿轮箱(GFT17T2)**  
**CB406W2 WINCH DRIVES 卷扬齿轮箱(GFT17W2)**

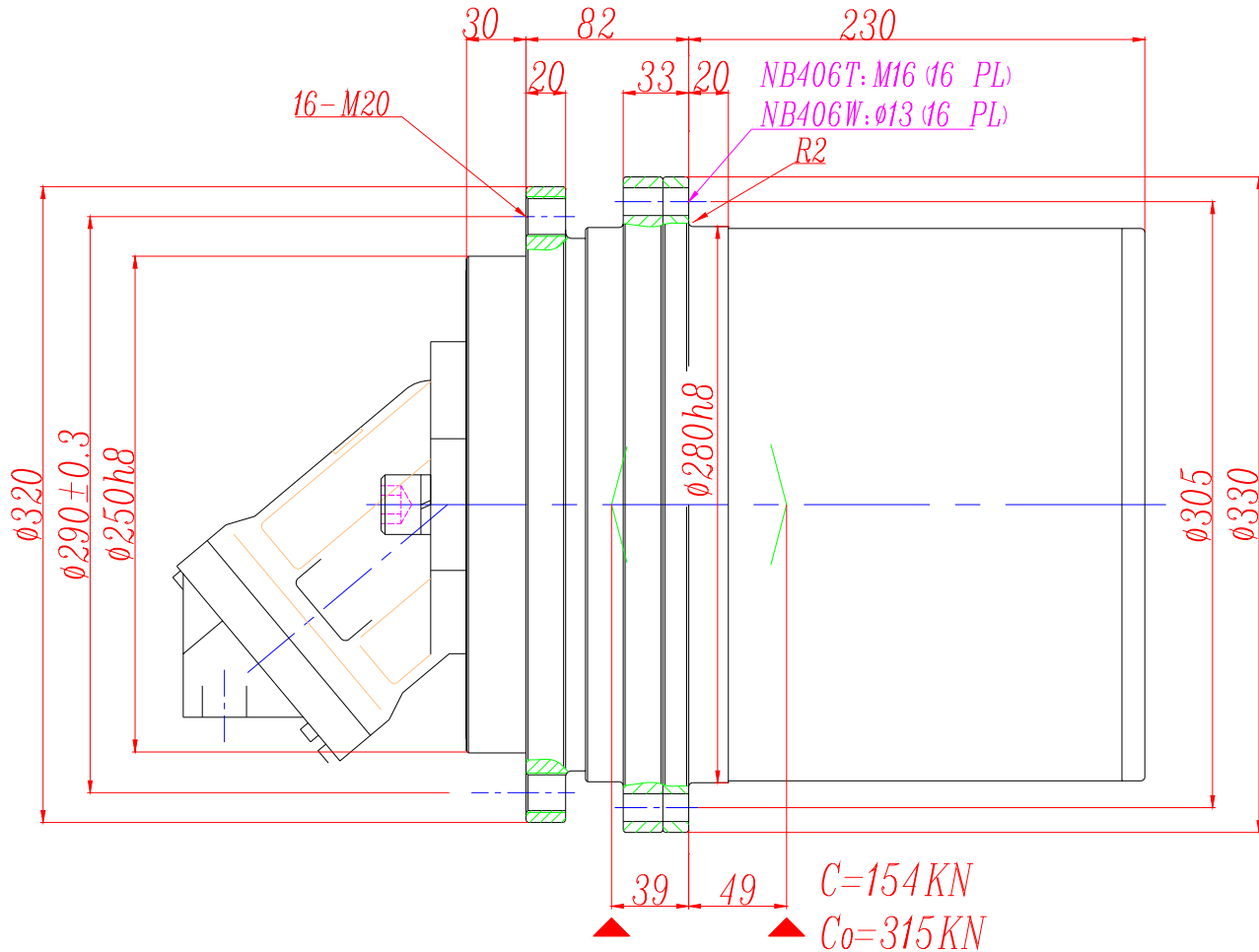


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406T2	CB406W2					
18000	13000	28.3 35 43.2	A2FE45 • 56 • 63 A6VE28 • 55	4000	430	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB406T3 TRACK DRIVES 行走齿轮箱(GFT17T3)**  
**CB406W3 WINCH DRIVES 卷扬齿轮箱(GFT17W3)**

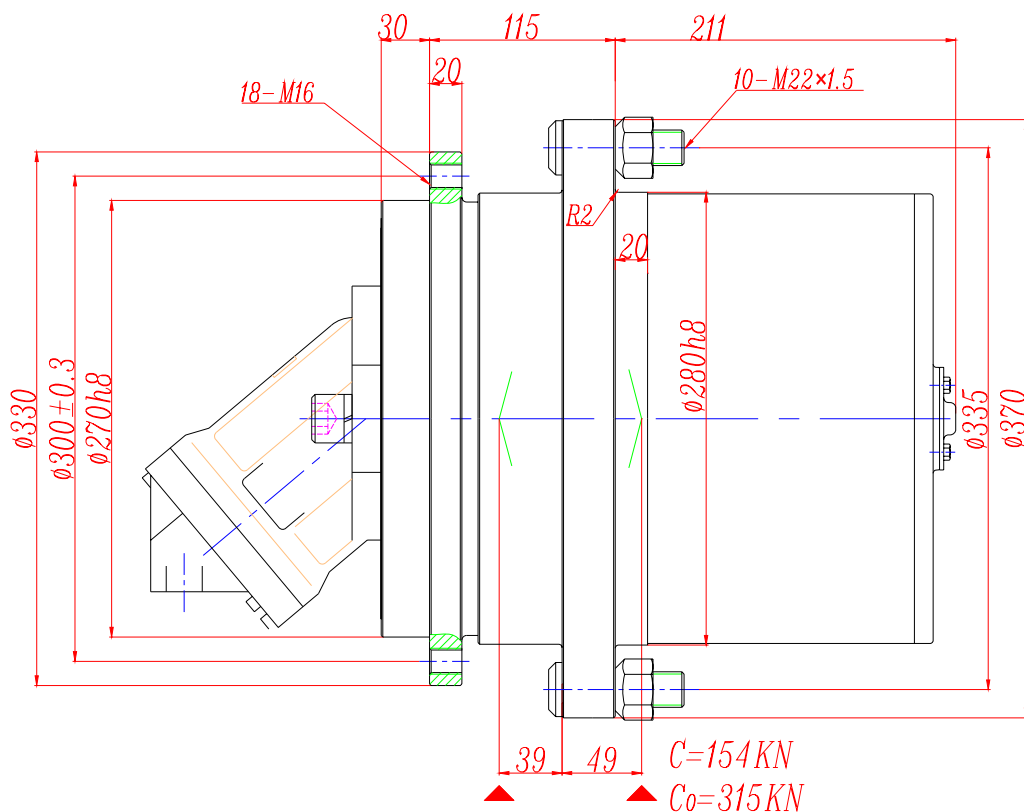


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406T3	CB406W3					
18000	13000	63.2	A2FE28 • 32 A2FE45 • 56 • 63 A6VE28 • 55	4000	430	20-50
		74				
		82.6				
		94				
		110.5				
		135.8				

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB606L2, L3 WHEEL DRIVES 轮式驱动齿轮箱(606W..V)



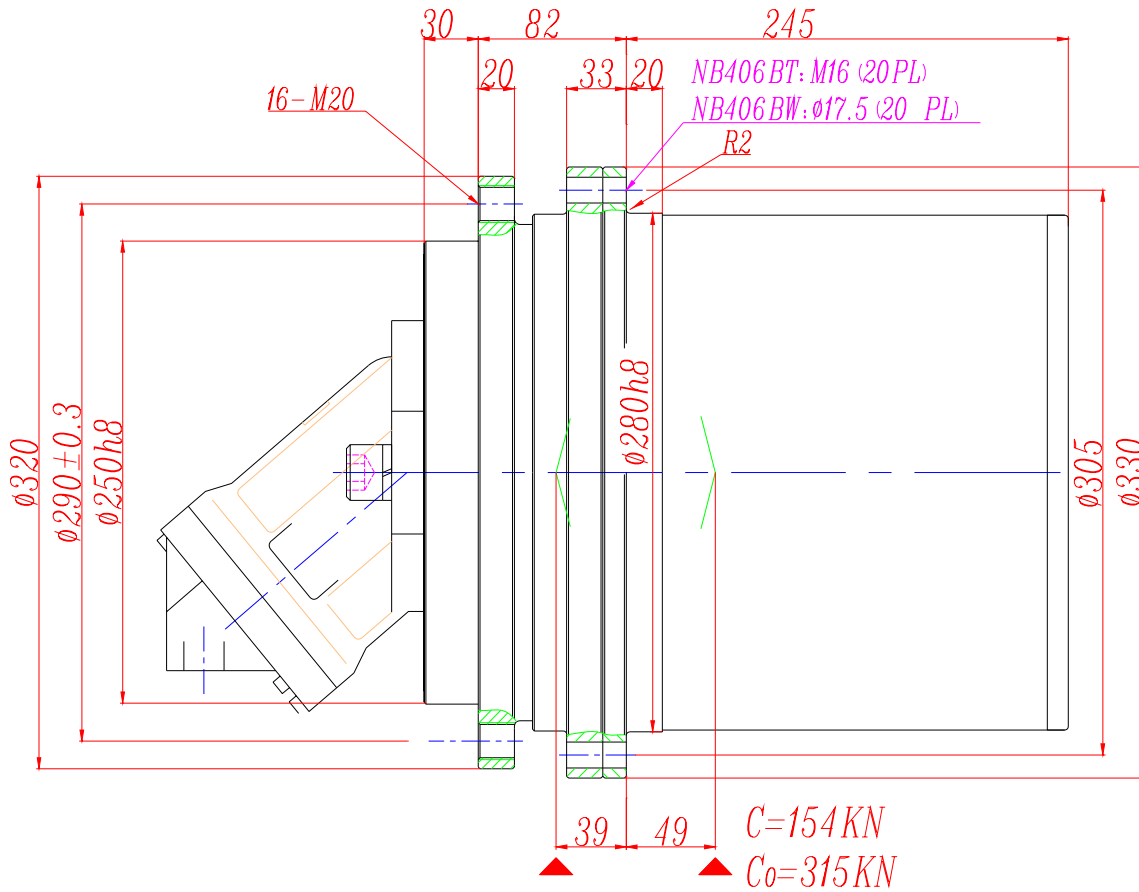
### Technical specification 技术参数

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB606L						
18000	CB606L2	28.3	A2FE28 • 32 A2FE45 • 56 • 63 A6VE28 • 55	4000	430	20-50
		35				
		43.2				
	CB606L3	63.2				
		74				
		82.6				
		94				
		110.5				
		135.8				

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- When gearbox is 2 stages, the dimension 211 change to 159. 当齿轮箱为2级时，尺寸211改为159。
- If with manual disconnect application, please add mark "M" in product identification scheme end. 如果带有手动分离装置，请在产品型号的最后标记 "M"



**CB406BT3 TRACK DRIVES 行走齿轮箱(GFT24T3)**  
**CB406BW3 WINCH DRIVES 卷扬齿轮箱(GFT24W3)**

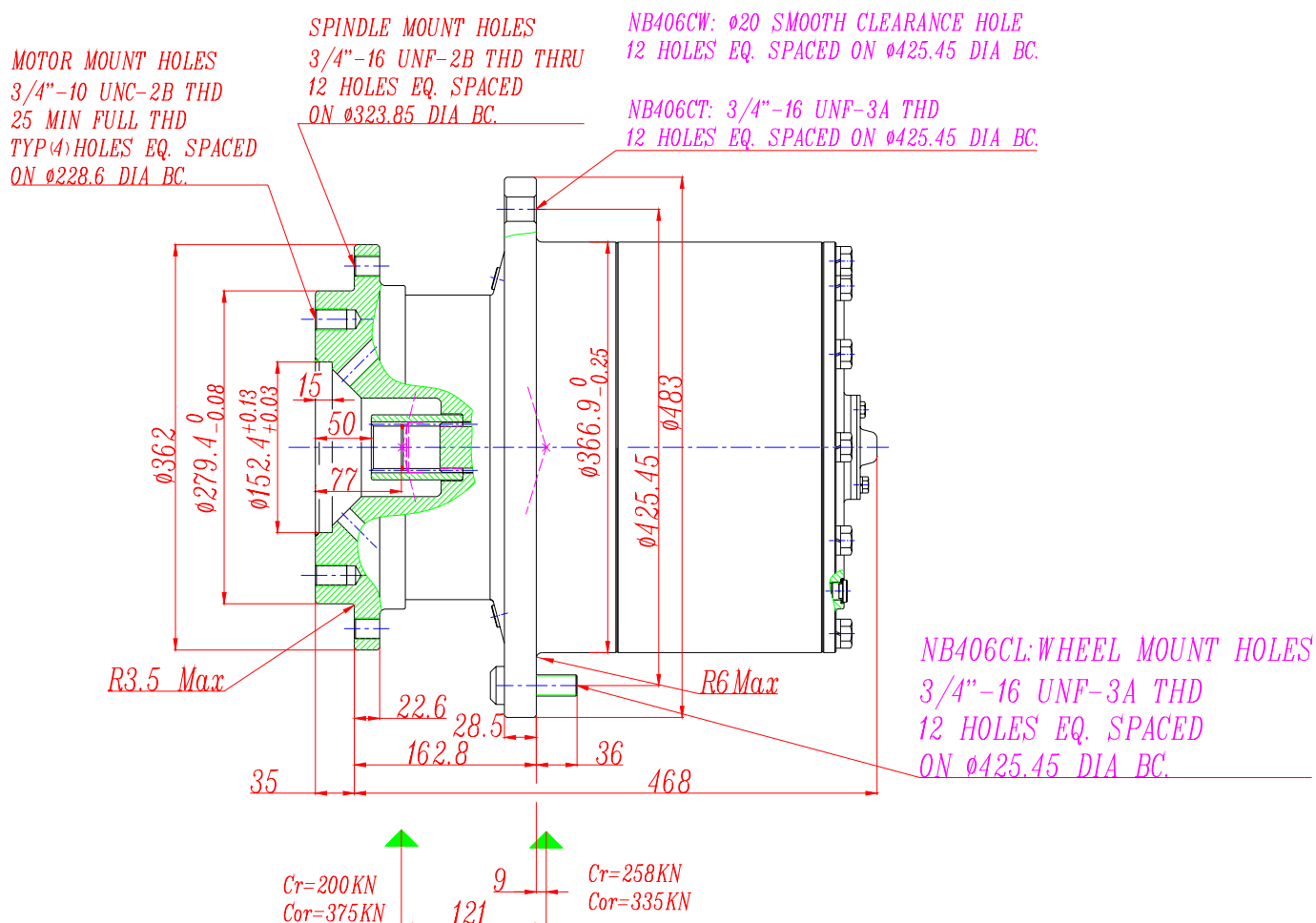


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406BT3	CB406BW3					
24000	17500	63.2	A2FE28 · 32 A2FE45 · 56 · 63 A6VE 55	4000	430	20-50
		74				
		82.6				
		94				
		110.5				
		135.8				

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB406CT2 TRACK DRIVES 行走齿轮箱(W12D)**  
**CB406CW2 WINCH DRIVES 卷扬齿轮箱(W12D)**  
**CB606CL2 WHEEL DRIVES 轮式驱动齿轮箱(W12D)**

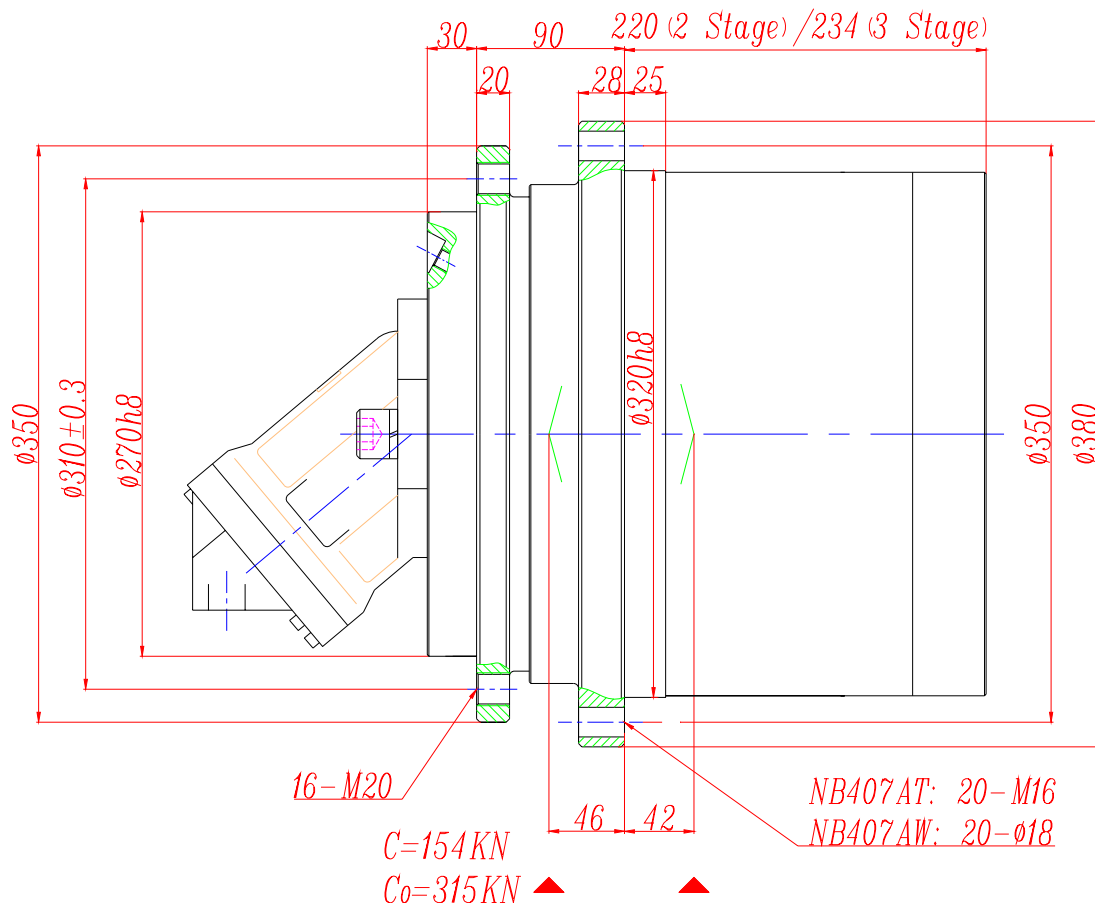


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)			Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB406CT	CB406CW	CB606CL					
28230	14115	14115	19.96 30.48 36.81	SAE D,13T DP8/16 SAE C,14T,DP12/24	4000	---	---

- Input—Output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- If with manual disconnect application, please add mark "M" in product identification scheme end. 如果带有手动分离装置, 请在产品型号的最后标记 "M"

**CB407AT2, AT3 TRACK DRIVES 行走齿轮箱(GFT26T2,GFT26T3)**  
**CB407AW2, AW3 WINCH DRIVES 卷扬齿轮箱(GFT26W2,GFT26W3)**

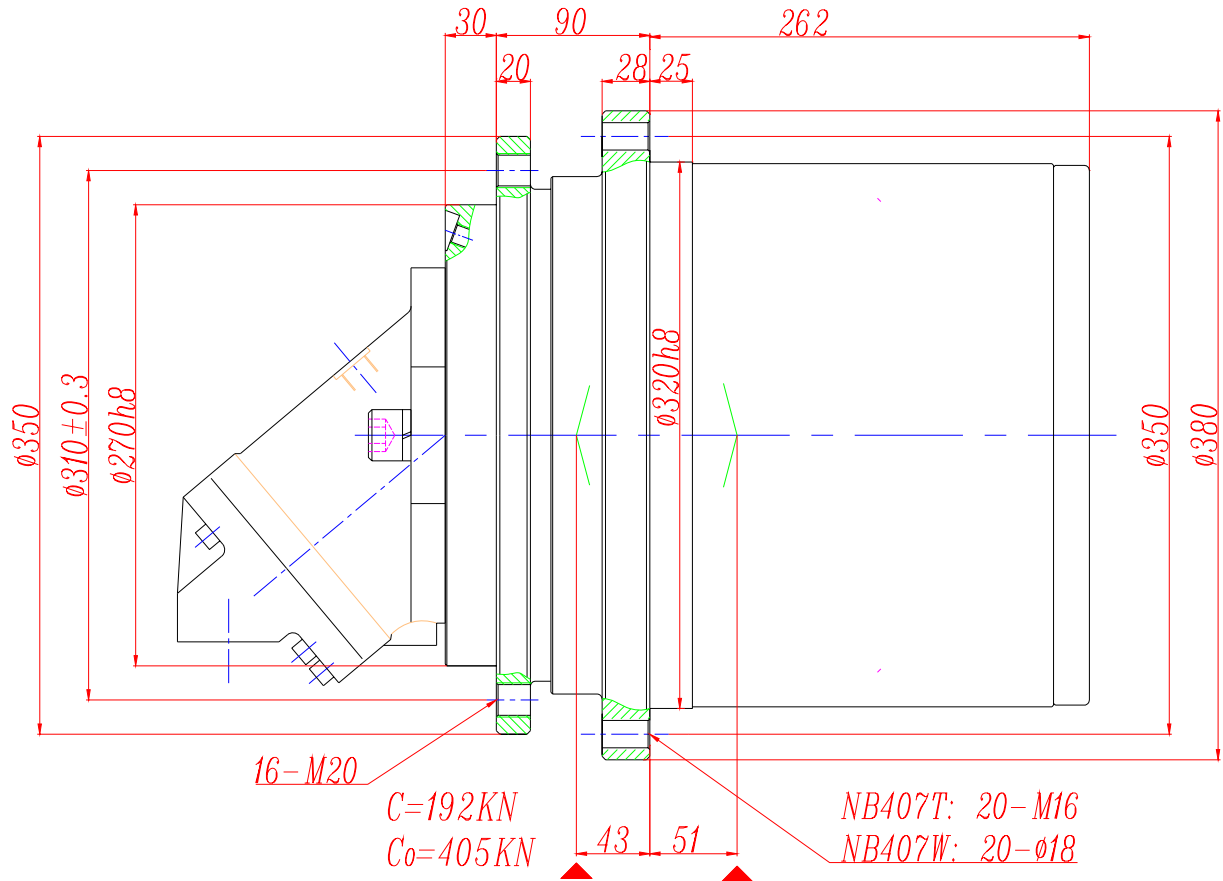


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB407AT	CB407AW					
26000	18000	38*, 43.2* 50.4*, 61* 63.2, 70.3 80, 94.4 110.8 136	A2FE80 · 90 A2FE45 · 56 · 63 A6VE55 · 80	4000	530 ~ 430	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。
- Ratio mark \* is 2 stage. \*标记的减速比，齿轮箱为2级。

**CB407T3 TRACK DRIVES 行走齿轮箱(GFT36T3)**  
**CB407W3 WINCH DRIVES 卷扬齿轮箱(GFT36W3)**

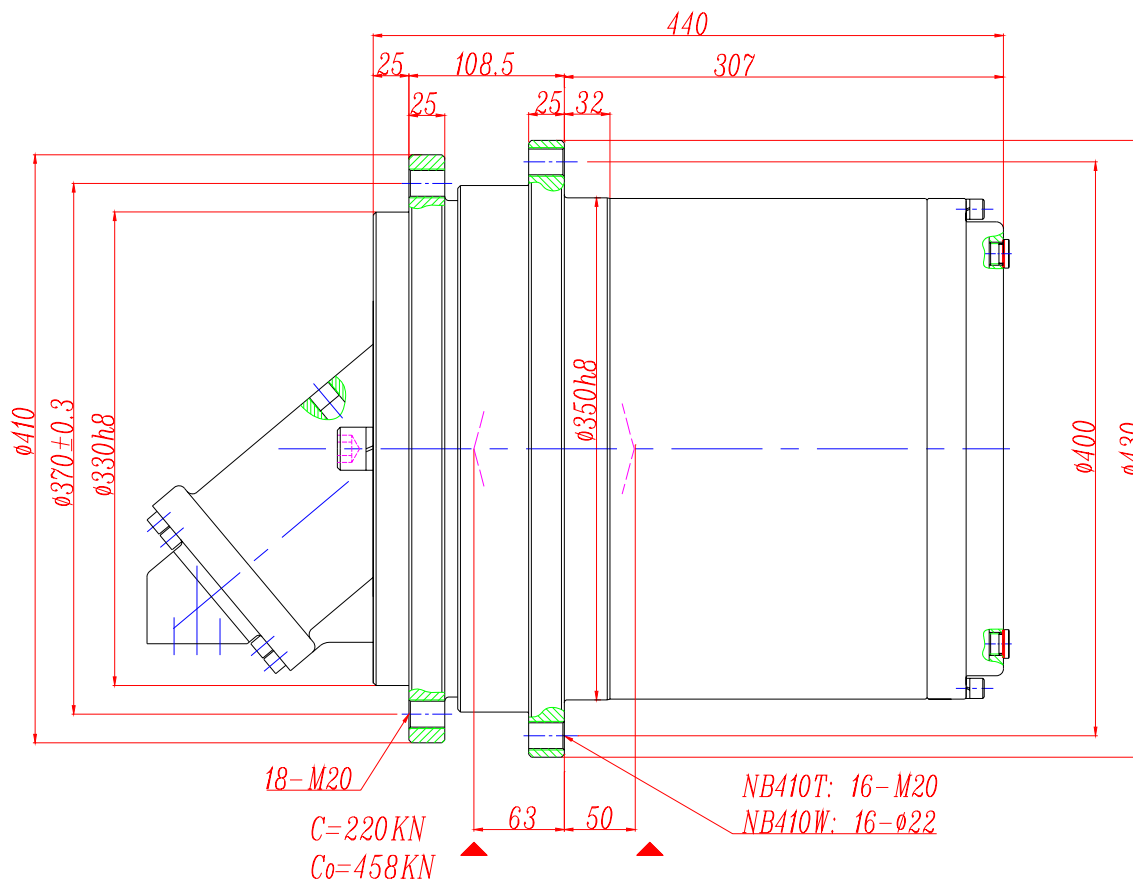


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB407T3	CB407W3					
36000	26000	63.2 70.3 80 94.4 110.8 136	A2FE80 • 90 A2FE45 • 56 • 63 A6VE55 • 80	4000	530	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB410T3 TRACK DRIVES 行走齿轮箱(GFT50T3)**  
**CB410W3 WINCH DRIVES 卷扬齿轮箱(GFT50W3)**

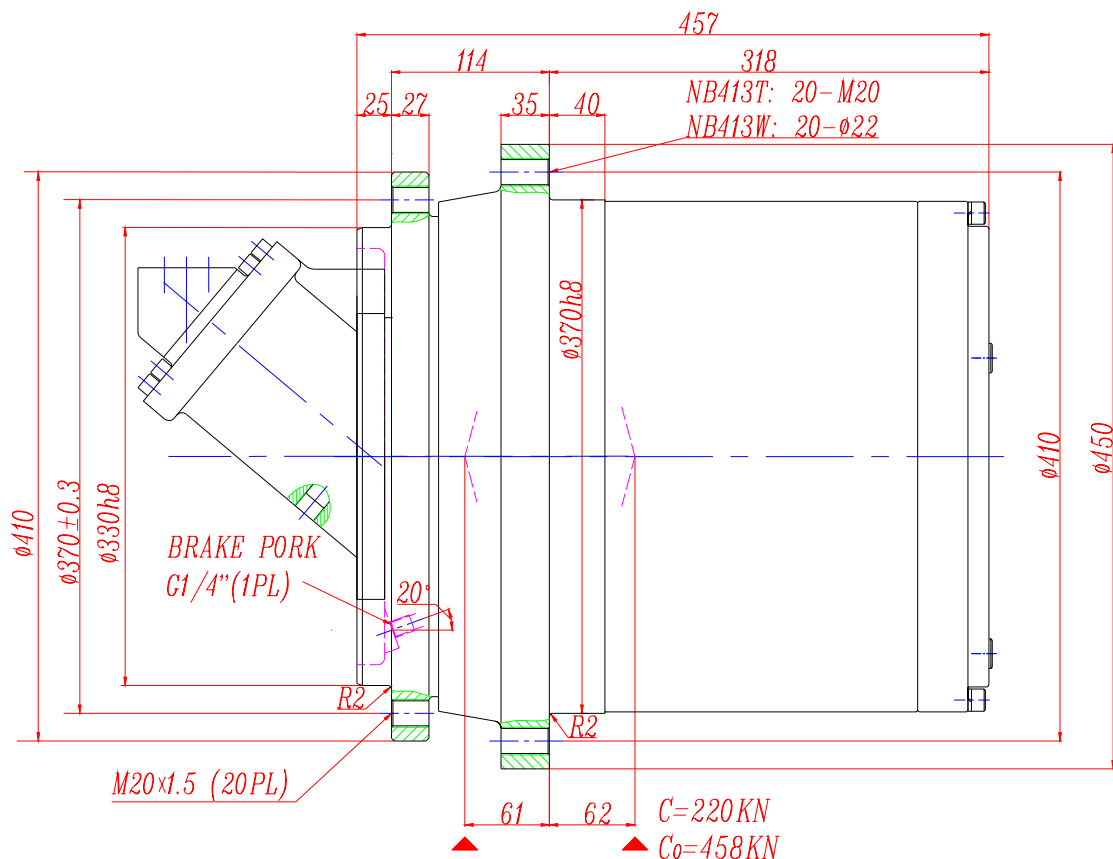


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB410T3	CB410W3					
50000	37500	61.7	A2FE107 • 125	3500	530	20-50
		69	A2FE80 • 90			
		79	A2FE45 • 56 • 63			
		93.7	A6VE55			
		117.2	A6VE80 • 107			
		139.2				
176.4						

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB413T3 TRACK DRIVES 行走齿轮箱(GFT60T3)**  
**CB413W3 WINCH DRIVES 卷扬齿轮箱(GFT60W3)**

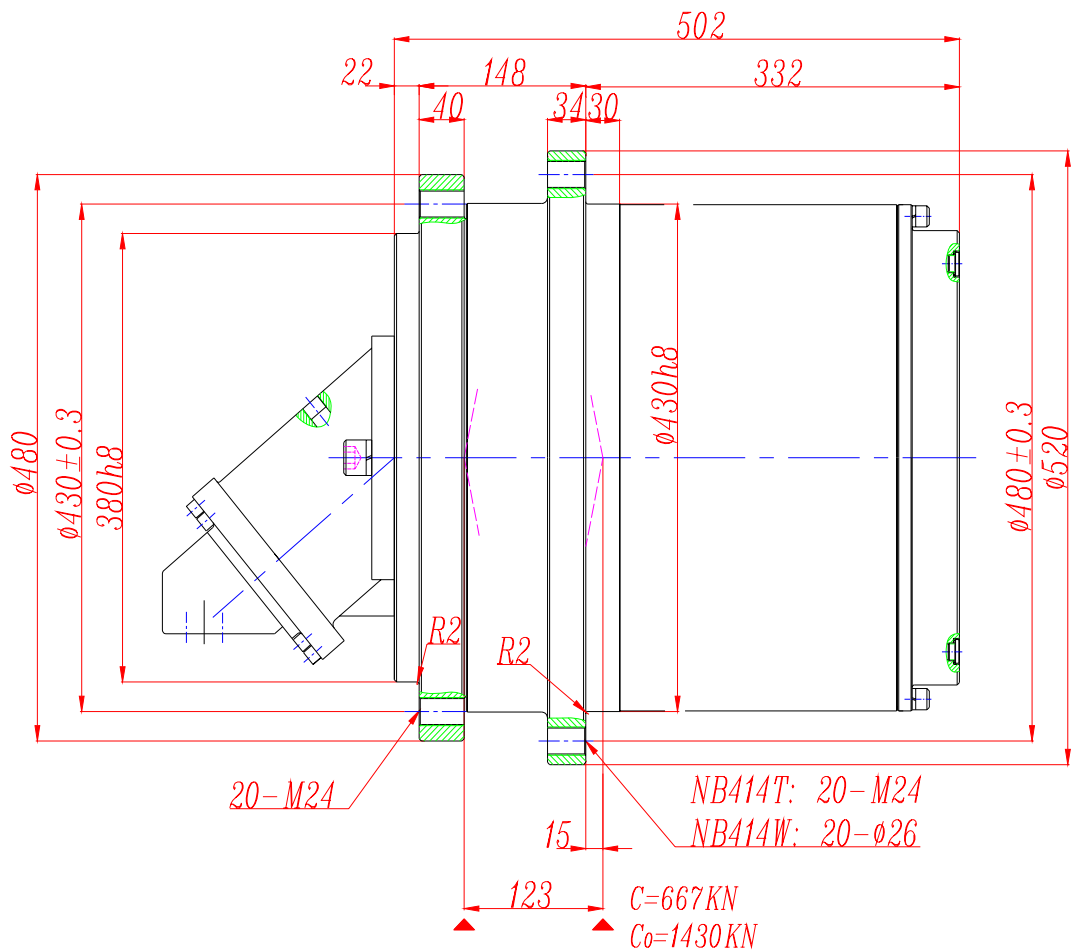


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB413T3	CB413W3					
60000	42500	85.8	A2FE107 • 125	3500	610	20-50
		94.5	A2FE80 • 90			
		105.5	A6VE80 • 107			
		120.2	A6VM107			
		140.8	A6VM160			
171.7						

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB414T3 TRACK DRIVES 行走齿轮箱(GFT80T3)**  
**CB414W3 WINCH DRIVES 卷扬齿轮箱(GFT80W3)**

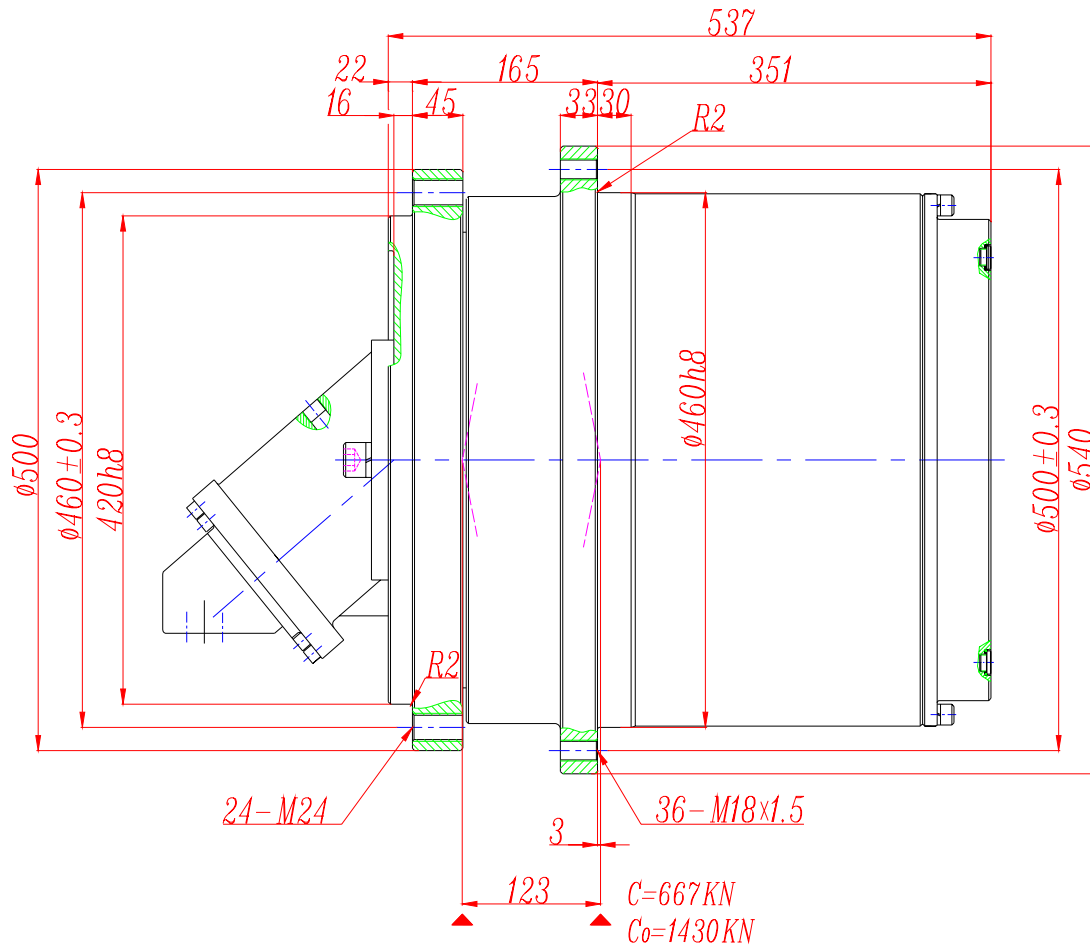


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB414T3	CB414W3					
80000	67000	78.4 84.3 100.8 128.9 159 186.7	A2FE160 • 180 A2FE107 • 125 A6VE107 • 160	3500	1200	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB415T3 TRACK DRIVES 行走齿轮箱(GFT110T3)**  
**CB415W3 WINCH DRIVES 卷扬齿轮箱 (GFT110W3)**



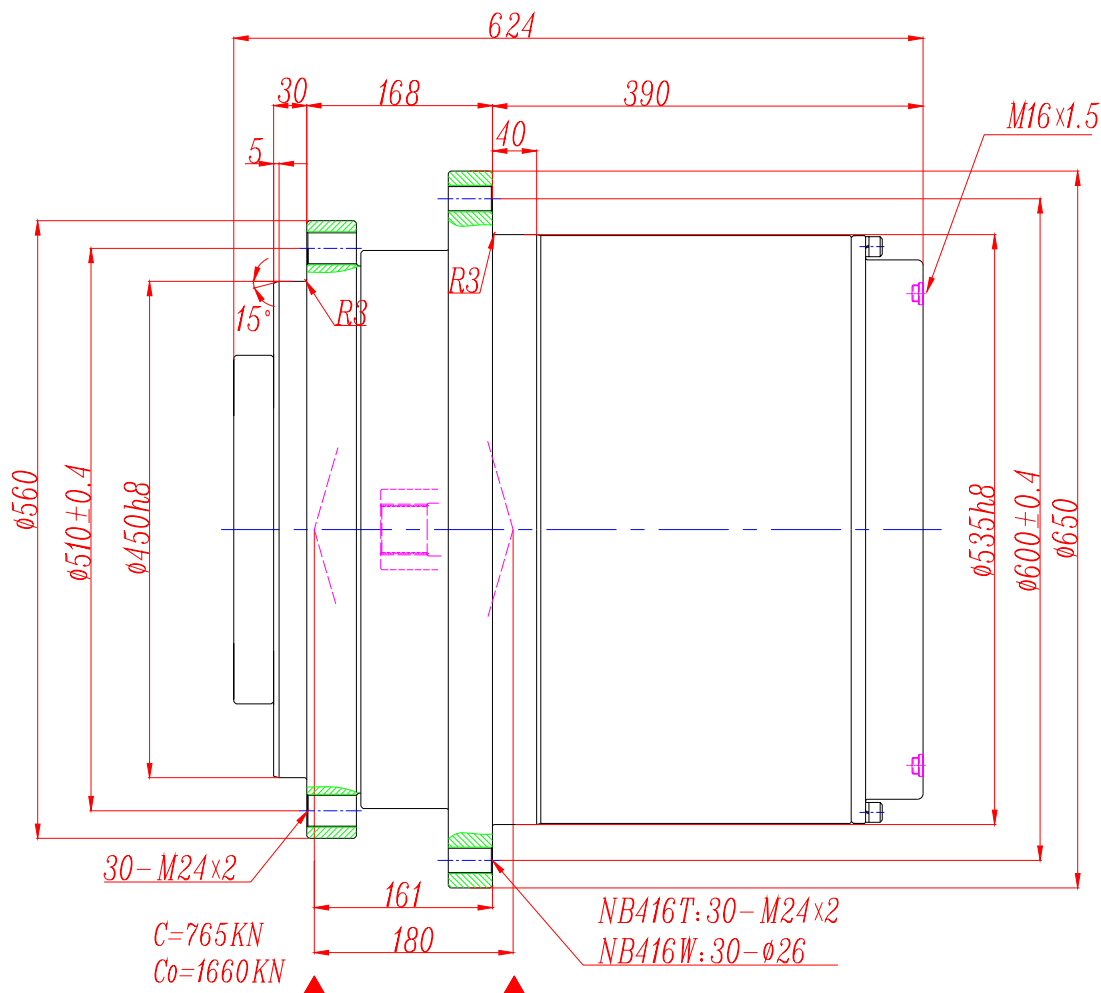
**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB415T3	CB415W3					
110000	100000	80.6 96.5 116.3 130 148.3 173.9 212.3	A2FE160 • 180 A2FE107 • 125 A6VE107 • 160	3500	1200	20-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。



**CB416T3 TRACK DRIVES 行走齿轮箱(GFT160T3)**  
**CB416W3 WINCH DRIVES 卷扬齿轮箱 (GFT160W3)**

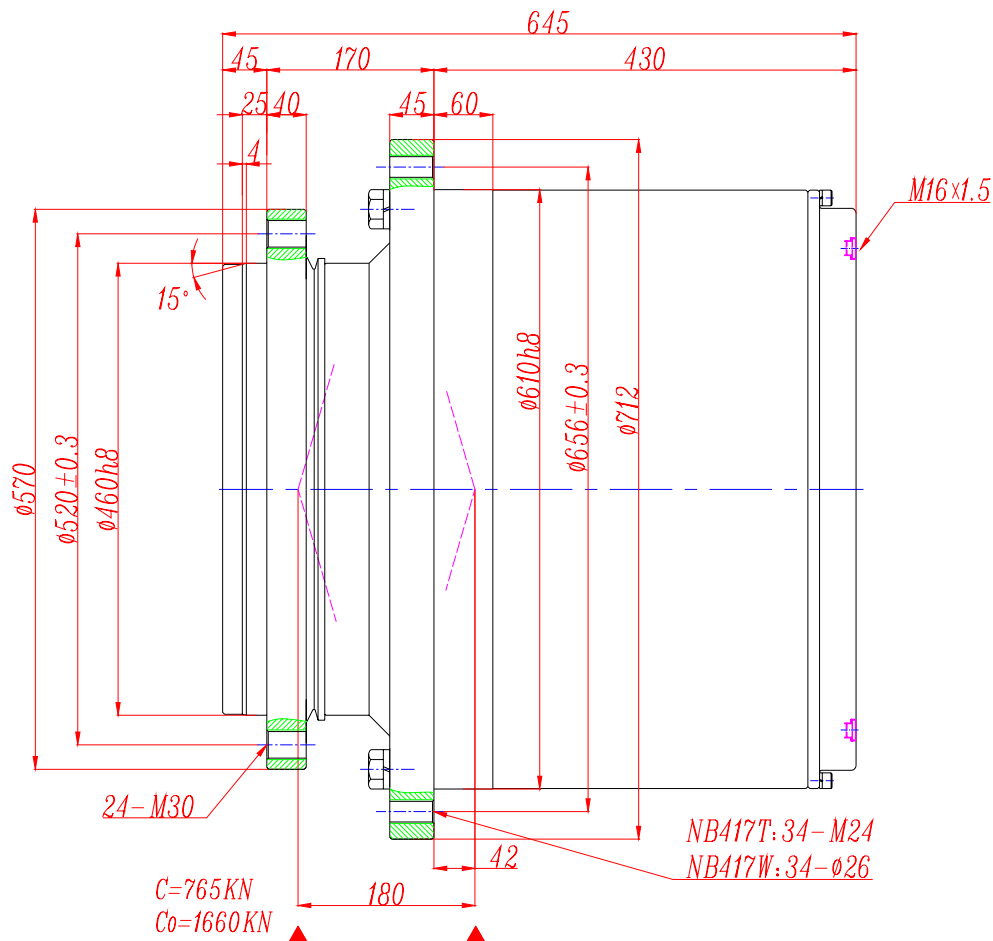


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB416T3	CB416W3					
160000	140000	86.8 102.4 124.3 153.8 176 207.1 253.8	A2FE160 • 180 A2FE107 • 125 A6VE107 • 160	3500	2000	22-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB417T3 TRACK DRIVES 行走齿轮箱(GFT220T3)**  
**CB417W3 WINCH DRIVES 卷扬齿轮箱(GFT220W3)**

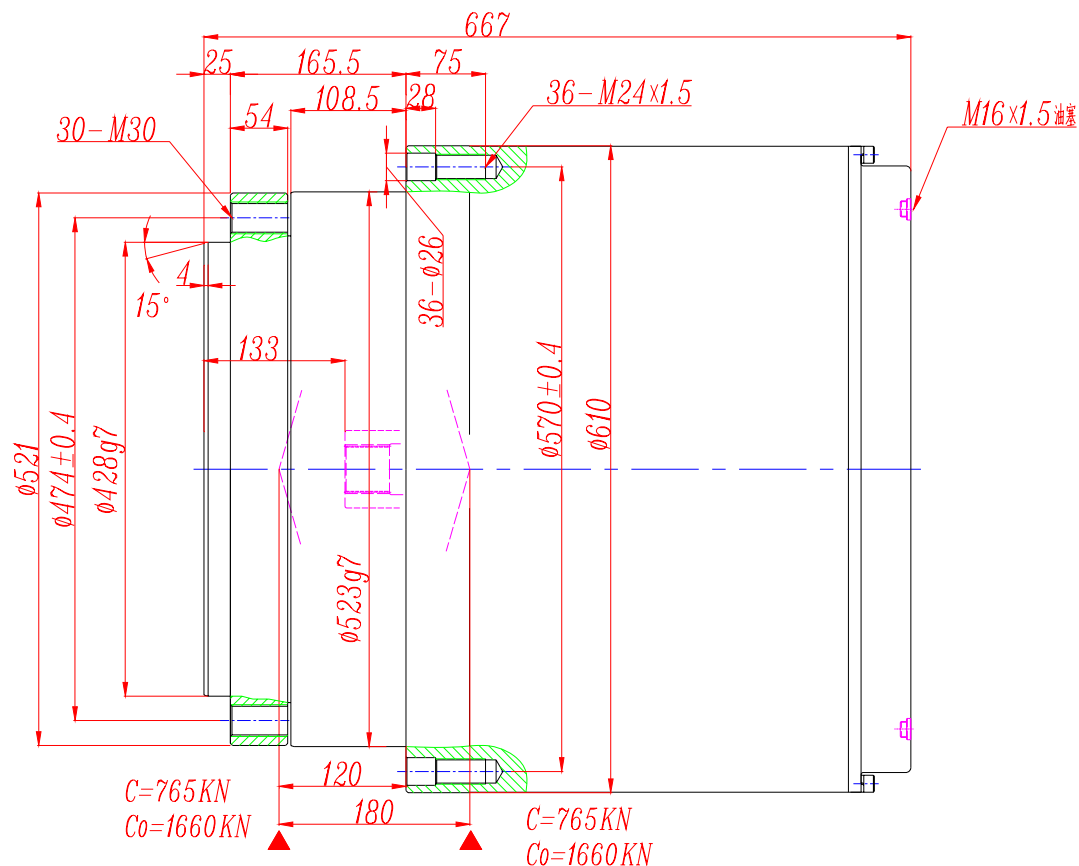


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB417T3	CB417W3					
220000	200000	122.8		3000	2000	22-50
		145.9	A2FE160 • 180			
		182.7	A2FE107 • 125			
		210.9	A6VE107 • 160			
		251.2	A6VM200 • 250			
		293	A2FM200			
365.5						

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB418T3 TRACK DRIVES 行走齿轮箱

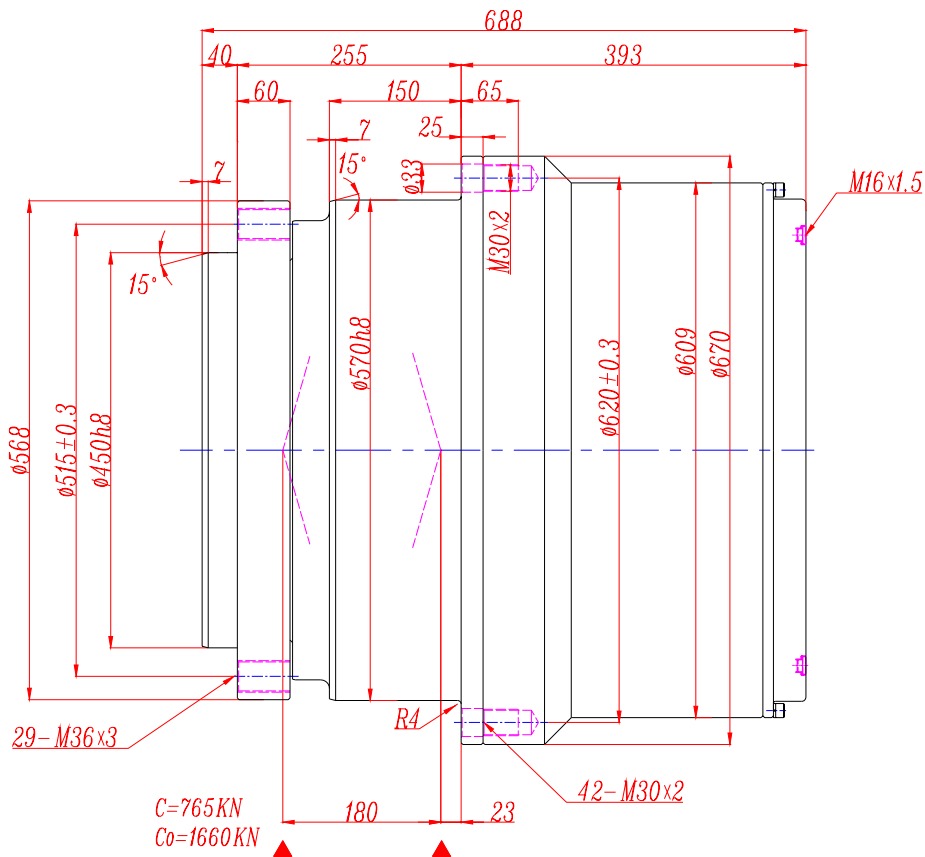


### Technical specification 技术参数

Max.Output Torque 最大输出扭矩(N.m)	Ratio 减速比	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB418T3	(i)				
273000	156.3 184.5 207 237 279 342	A2FE160 · 180 A2FE107 · 125 A6VE107 · 160 A6VM200 · 250 A2FM200	3000	2000	22-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB418LT3 TRACK DRIVES 行走齿轮箱(GFT270T3)

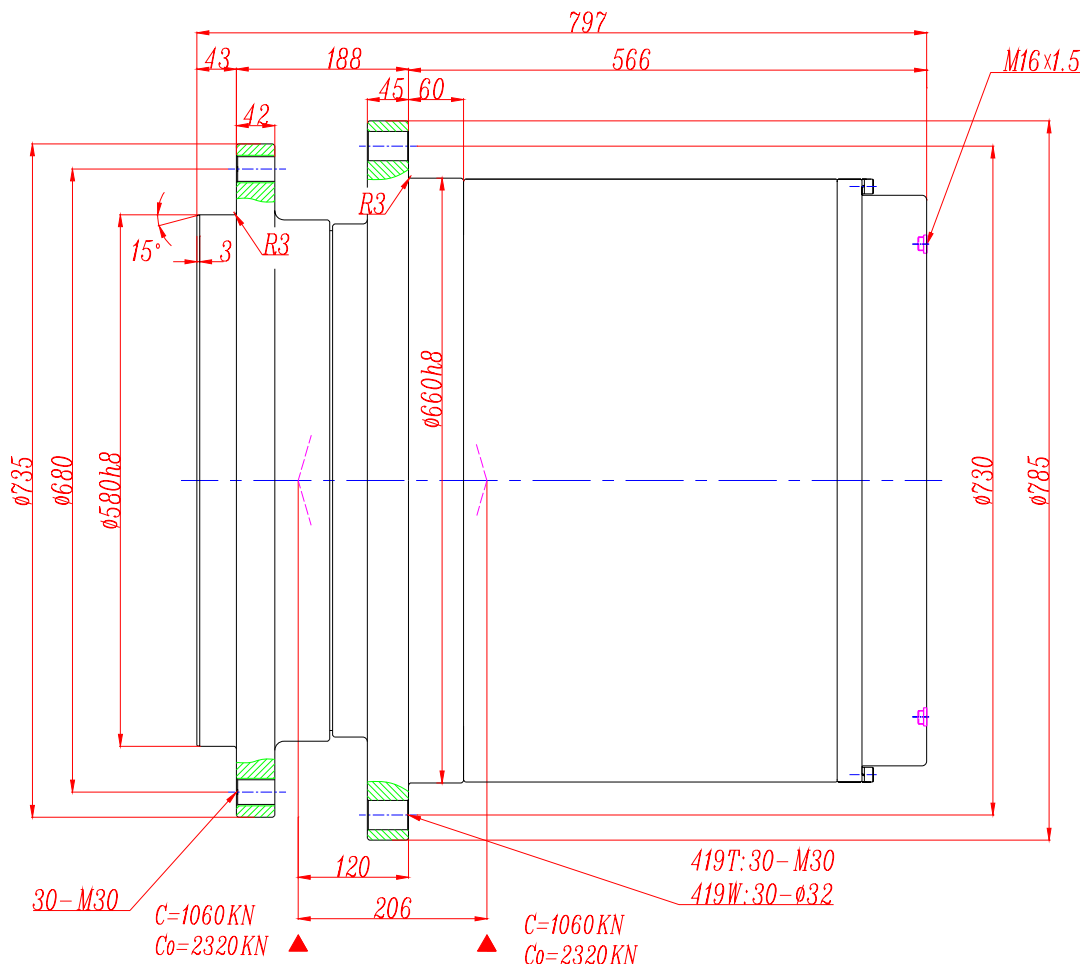


### Technical specification 技术参数

Max.Output Torque 最大输出扭矩(N.m)	Ratio 减速比	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB418LT3	(i)				
273000	166.1 196.1 220 251.9 296.5 363.4	A2FE160 • 180 A2FE107 • 125 A6VE107 • 160 A6VM200 • 250 A2FM200	3000	2000	22-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

**CB419T3 TRACK DRIVES 行走齿轮箱(GFT330T3)**  
**CB419W3 WINCH DRIVES 卷扬齿轮箱(GFT330W3)**

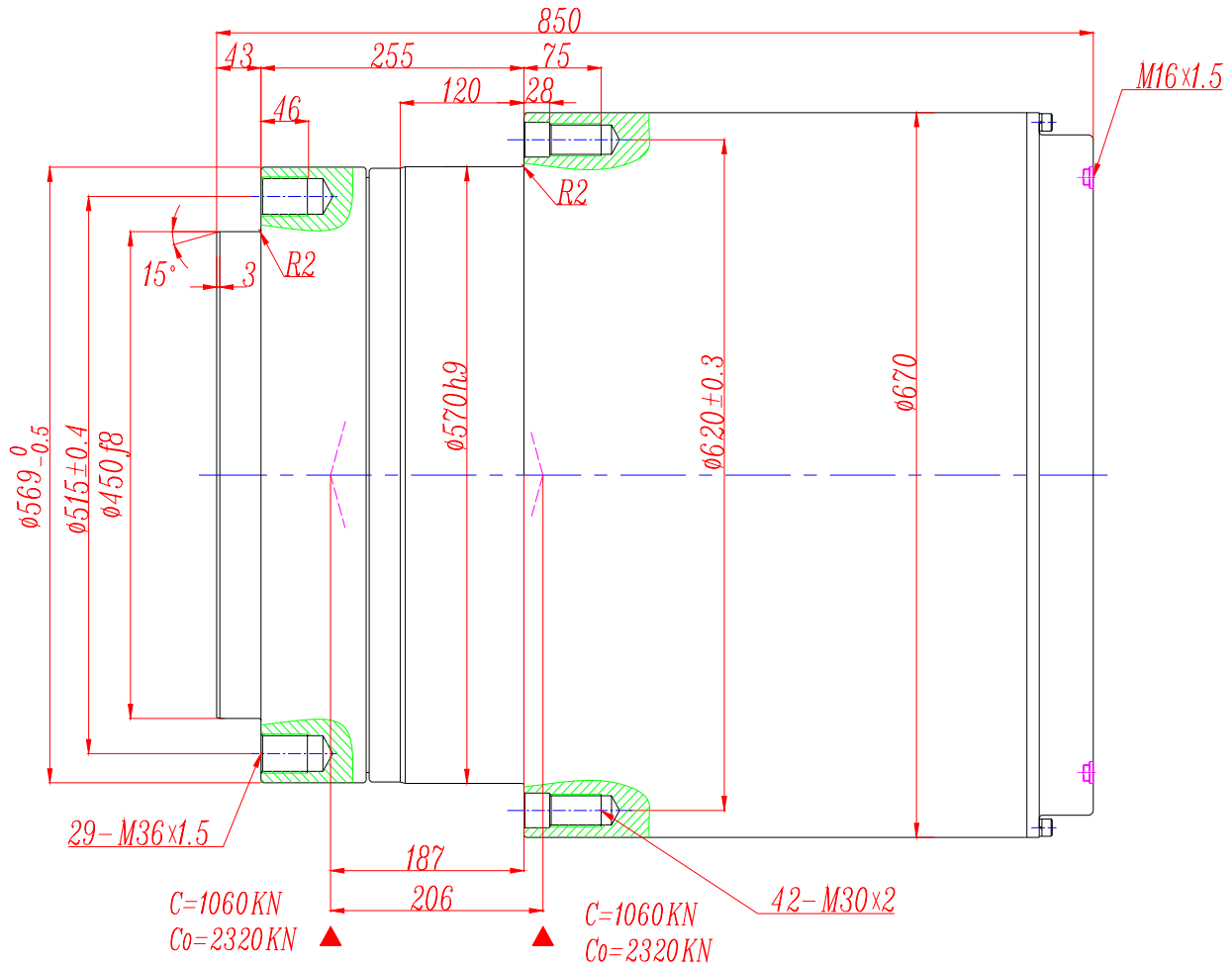


**Technical specification 技术参数**

Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB419T3	CB419W3					
330000	275000	160.1	A2FE160 • 180	2500	3000	22-50
		182.2	A2FE107 • 125			
		212.6	A6VE107 • 160			
		253.1	A6VE200 • 250			
		305.9	A2FE200 • 250			

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

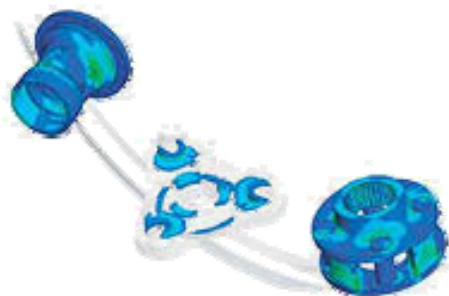
## CB420T4 TRACK DRIVES 行走齿轮箱(GFT450T4)



### Technical specification 技术参数

Max.Output Torque 最大输出扭矩(N.m)	Ratio 减速比	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器推荐压力 (bar)
CB420T4	(i)				
450000	295.4 345.5 420.8	A6VE200 · 250 A2FE200 · 250	2500	1700	22-50

- Input rotation opposite output rotation. 输入转向与输出转向相反。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。



**CB700S SERIES SLEW DRIVES**

# CB700S 系列回转齿轮箱

**CB700L SERIES SLEW DRIVES**

# CB700L 系列回转齿轮箱



The **CB700** series slew drives by **Hangzhou Chinabase Co.,LTD** enjoy following features:

1. **Output torque Range:** 1000 ... 70000 N.m
2. **Gear Ratios:**  $i=3,3 \dots 3000$
3. **Support:** Slew support (with Flange mounted)
4. **Electric Brake:** DC and AC type
5. **Hydraulic Brake:** Hydraulically released parking brake on request.
6. **Output shaft:** Splined or with integral pinion. Output shafts supported by heavy duty capacity bearings
7. **Applicable motors:** Axial piston hydraulic motors, Hydraulic orbit motors, IEC electric motors
8. **Hydraulic motor options:** Pressure relief valve, Overcenter valve, parking brake on request.
9. **Max. output torque:** Indicated under technical data for crane applications relate to FEM Section 1, 3<sup>rd</sup> Edition and Section IX(FEM – Federation Europeenne de la Manutention), as well as DIN 15020, collective load class L2, service time category T5 corresponding to driver group M5. If the swing drive is classified in another driver group the required, output torque must be converted by applying factor K.

杭州永昌传动机械有限公司生产的

CB700系列回转驱动齿轮箱具有下述特点:

1. **输出扭矩:**1000...70000 N.m
2. **齿轮减速比:**  $i=3.3\dots3000$
3. **安装:** 回转支座（带法兰安装）
4. **IEC电机制动:** 可配套DC或AC制动器
5. **液压制动:** 可配套液压释放的停车制动器
6. **输出轴:** 花键或带整体小齿轮，安装高承载能力的轴承
7. **输入马达:** 轴向柱塞液压马达，径向柱塞液压马达，摆线液压马达，IEC电机
8. **液压马达可配套:** 安全阀，平衡阀，停车制动器
9. **最大输出扭矩:** 技术参数中的所指出的最大输出扭矩对应于FEM第3版的第一章和第九章,以及DIN 15020中,当载荷级别为L2,运行时间级别为T5,机构工作级别为M5时.对于不同的机构工作级别,必须采用使用系数K,对所要求的输出扭矩进行换算

## PRODUCT IDENTIFICATION SCHEME 产品型号标记:

1	2	3	4	5	6	7	8
<b>CB</b>	<b>706</b>	<b>S</b>	<b>2</b>	<b>46.8</b>	<b>WO</b>	<b>A2FE63</b>	<b>A</b>

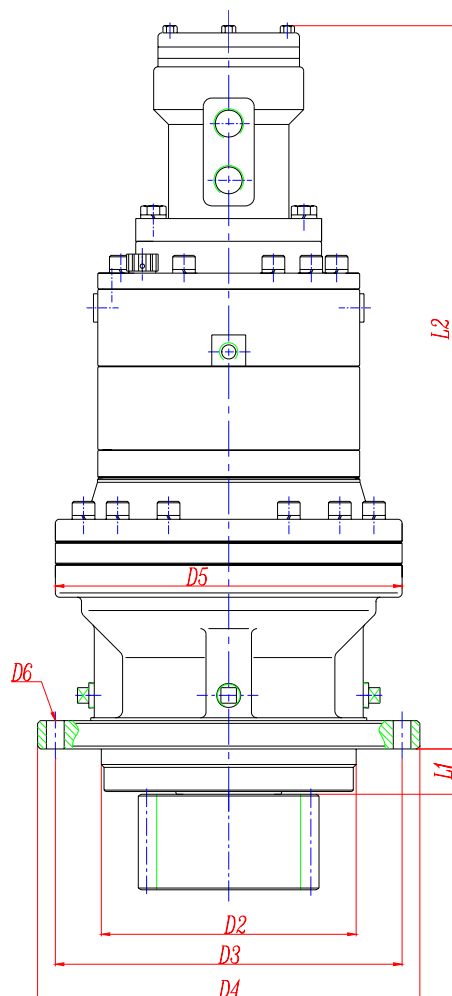
1. **CB**-----: Hangzhou chinabase 杭州永昌传动机械
2. **706**-----: Gearbox size,**700,701,703...715** 机座号
3. **S**-----: series, **S...S** series slew drive, **L...L** series slew drive  
系列号,**S...S**系列回转齿轮箱, **L...L**系列回转齿轮箱
4. **2**-----: Number of stages, **1...single stage, 2...double stage, 3...triple stage, 4...four stage**  
行星齿轮箱传动级数, **1...单级, 2...双级, 3...三级, 4...四级**
5. **46.8**-----: Ratio 减速比
6. **WO**-----: With or without brake, **WO...without brake, no symbol...with brake**  
带或不带制动器, **WO---**表示不带制动, 无符号---表示带制动器
7. **A2FE63**-----: Motor type 配套马达类型
8. **A**-----: Motor shaft mark, **A...A shaft motor, Z...Z shaft motor**  
马达轴标记, **A...A**型轴马达, **Z...Z**型轴马达





## CB700L, CB701L SLEW DRIVES 回转齿轮箱 CB703AL, CB705AL SLEW DRIVES 回转齿轮箱

Dimension 尺寸	Type 型号			
	CB700L	CB701L	CB703AL	CB705AL
D2	150	150	175	175
D3	195	195	245	245
D4	220	220	270	270
D5	185	185	245	245
D6	10-φ13	10-φ13	12-φ13	12-φ13
L1	31	31	32	32
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



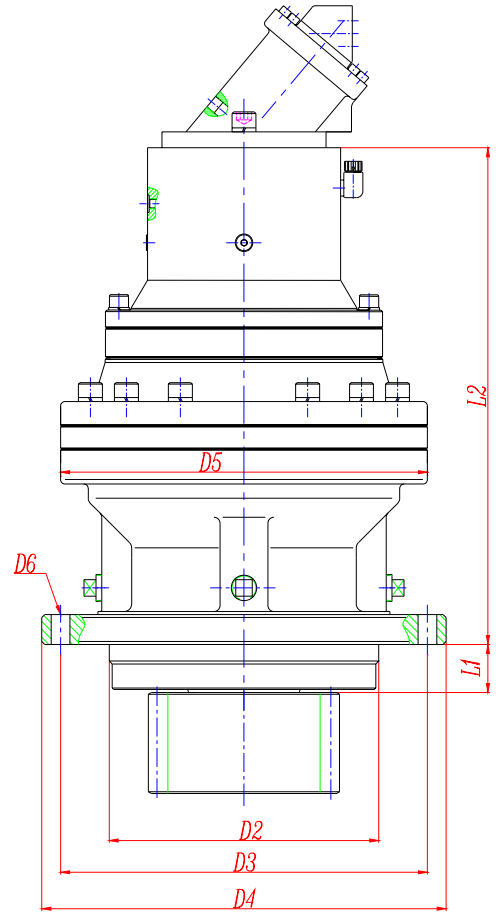
### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB700L	1000					
CB701L	1800	2400	3.4--32	SAE B adopt			
CB703AL	2500	3500	12.4—174.5	SAE C adopt			
CB705AL	5000	6500	12.4—174.5	A2FE 45-56-63			

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB706AL, CB707AL SLEW DRIVES 回转齿轮箱 CB709AL, CB711AL SLEW DRIVES 回转齿轮箱

Dimension 尺寸	Type 型号			
	CB706AL	CB707AL	CB709AL	CB711AL
D2	230	240	280	320
D3	335	335	385	500
D4	365	365	420	560
D5	300	345	345	425
D6	14- $\phi$ 17	14- $\phi$ 17	14- $\phi$ 22	18- $\phi$ 22
L1	55	60	60	70
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



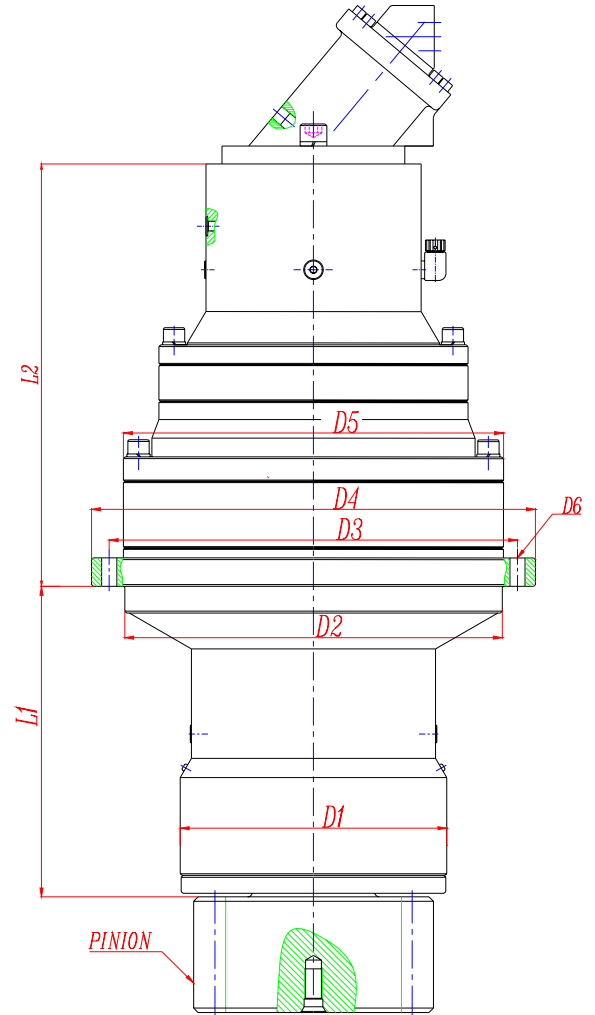
### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB706AL	7700					
CB707AL	10500	165000	12.6—257.7	A2FE 45-56-63			
CB709AL	16000	26000	12.6—257.7	A2FE 80-90			
CB711AL	32000	45000	14.0—223.0	A2FE 107-125	2500	400-3200	

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB705L, CB706L SLEW DRIVES 回转齿轮箱 CB707L, CB709L SLEW DRIVES 回转齿轮箱

Dimension 尺寸	Type 型号			
	CB705L	CB706L	CB707L	CB709L
D1	180	200	230	250
D2	195	250	280	280
D3	245	325	314	380
D4	290	360	348	420
D5	245	292	345	345
D6	12-φ13	10-φ17	12-φ17	12-φ17
L1	171	225	295	295
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



### Technical specification 技术参数

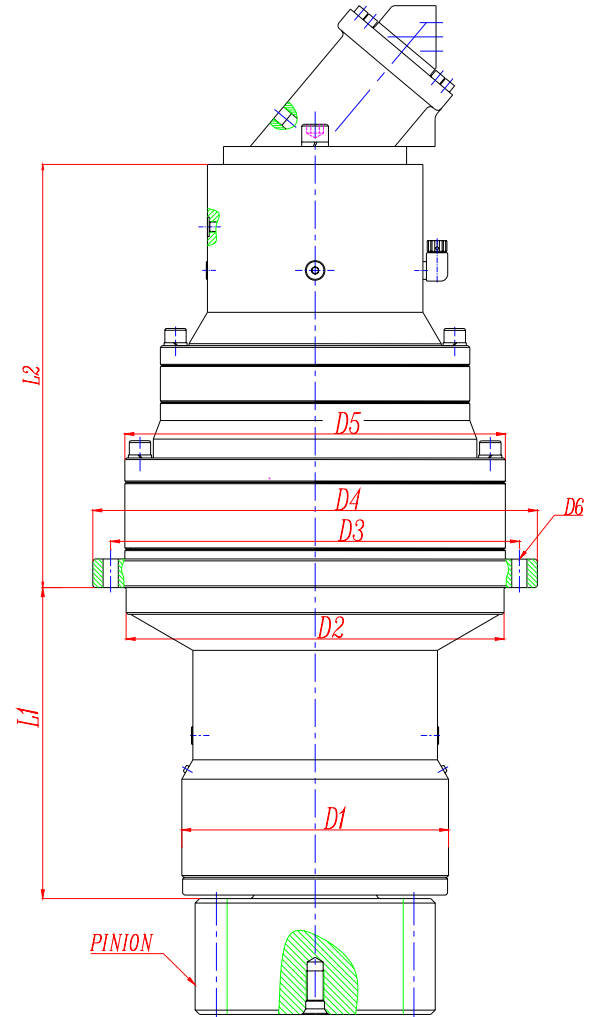
Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
CB705L	5000	6500	12.4—174.5	SAE A·B·C adopt	3500	50-400	20-50
CB706L	7700	12000	13.5—142.5	SAE D·E adopt		50-1000	
CB707L	10500	165000	12.6—257.7	A2FE 45·56·63			
CB709L	16000	26000	12.6—257.7	A2FE 80-90			

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB711L SLEW DRIVES 回转齿轮箱

## CB713L4, CB715L4 SLEW DRIVES 回转齿轮箱

Dimension 尺寸	Type 型号		
	CB711L	CB713L3	CB715L3
D1	300	340	370
D2	425	400	470
D3	460	510	600
D4	500	560	640
D5	428	445	542
D6	12- $\phi$ 22	24- $\phi$ 22	24- $\phi$ 22
L1	345	420	465
L2	Size according to motor type 由马达类型决定		
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定		

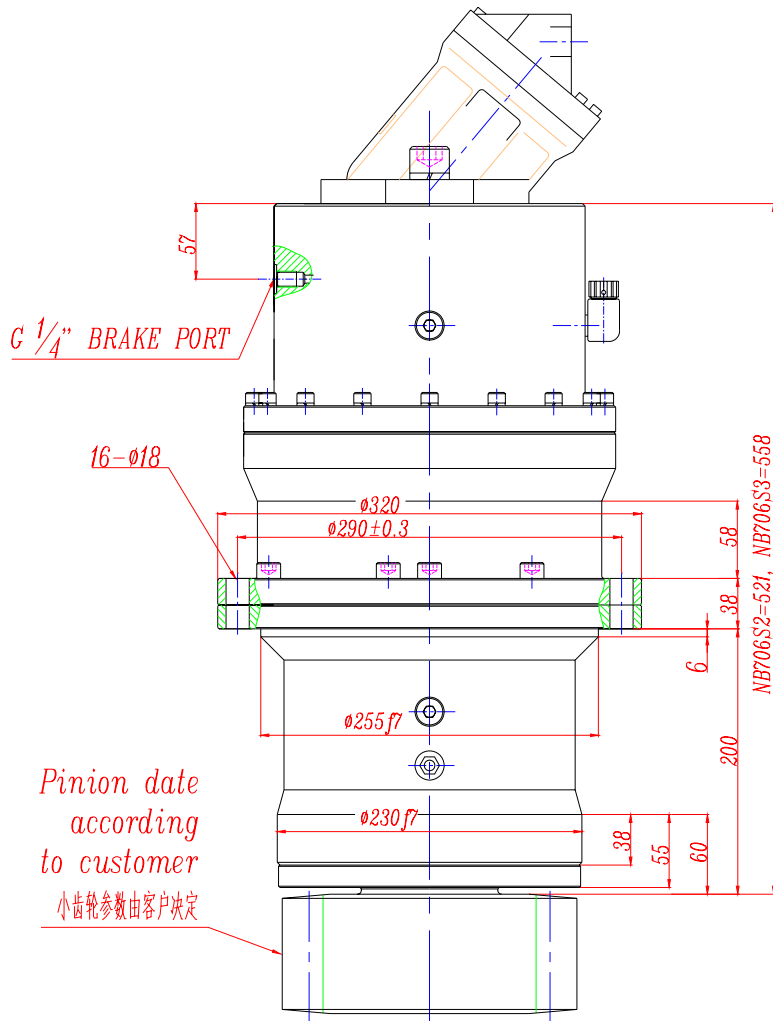


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB711L	32000					
CB713L3	40000	55000	50.3—276.1	A2FE 160-180	3500	400-1000	
CB715L3	70000	80000	53.8—241.9	A2FM 250-355	2500	850-3200	

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB706S2, CB706S3 SLEW DRIVES 回转齿轮箱 (GFB17T2, GFB17T3)

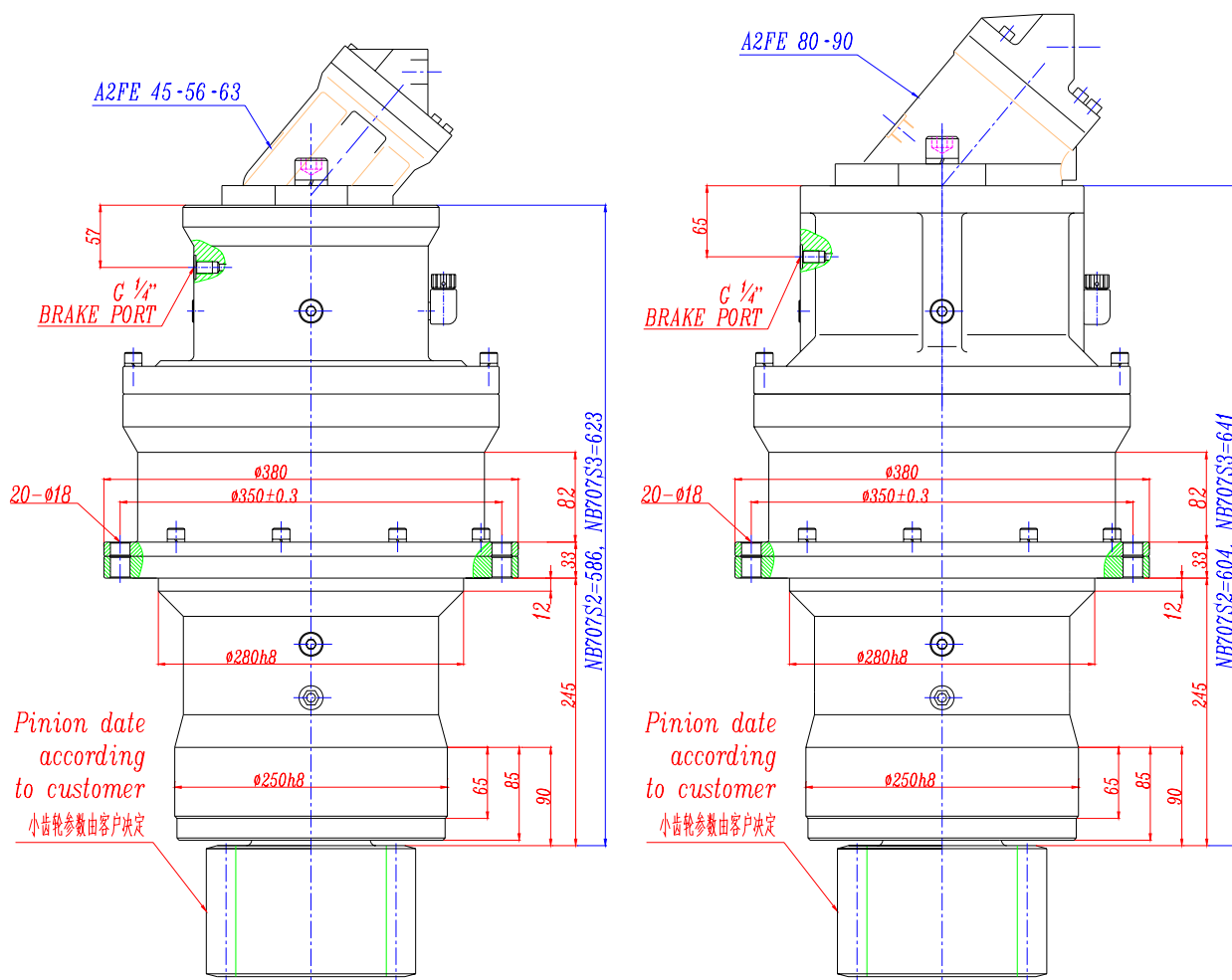


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
CB706S2	7700	12000	19.6, 22.5, 26.7, 33.5, 38.9, 46.8	A2FE 45-56-63	3500	400	20-50
CB706S3			78, 89.3, 106				

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB707S2, CB707S3 SLEW DRIVES 回转齿轮箱(GFB26T2, GFB26T3)

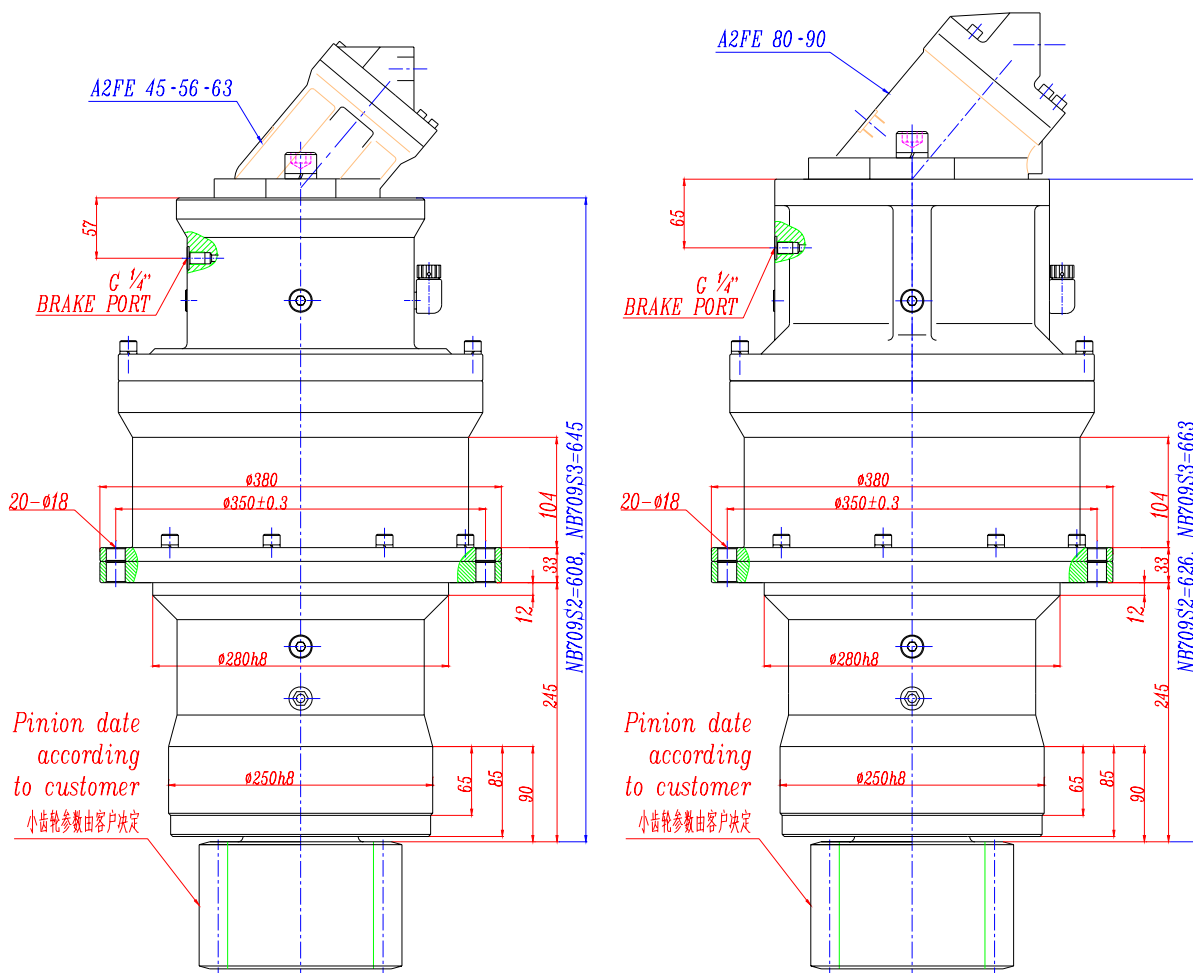


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB707S2	10500					
CB707S3			85, 98.4, 110.9, 133.5				

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB709S2, CB709S3 SLEW DRIVES 回转齿轮箱(GFB36T2, GFB36T3)

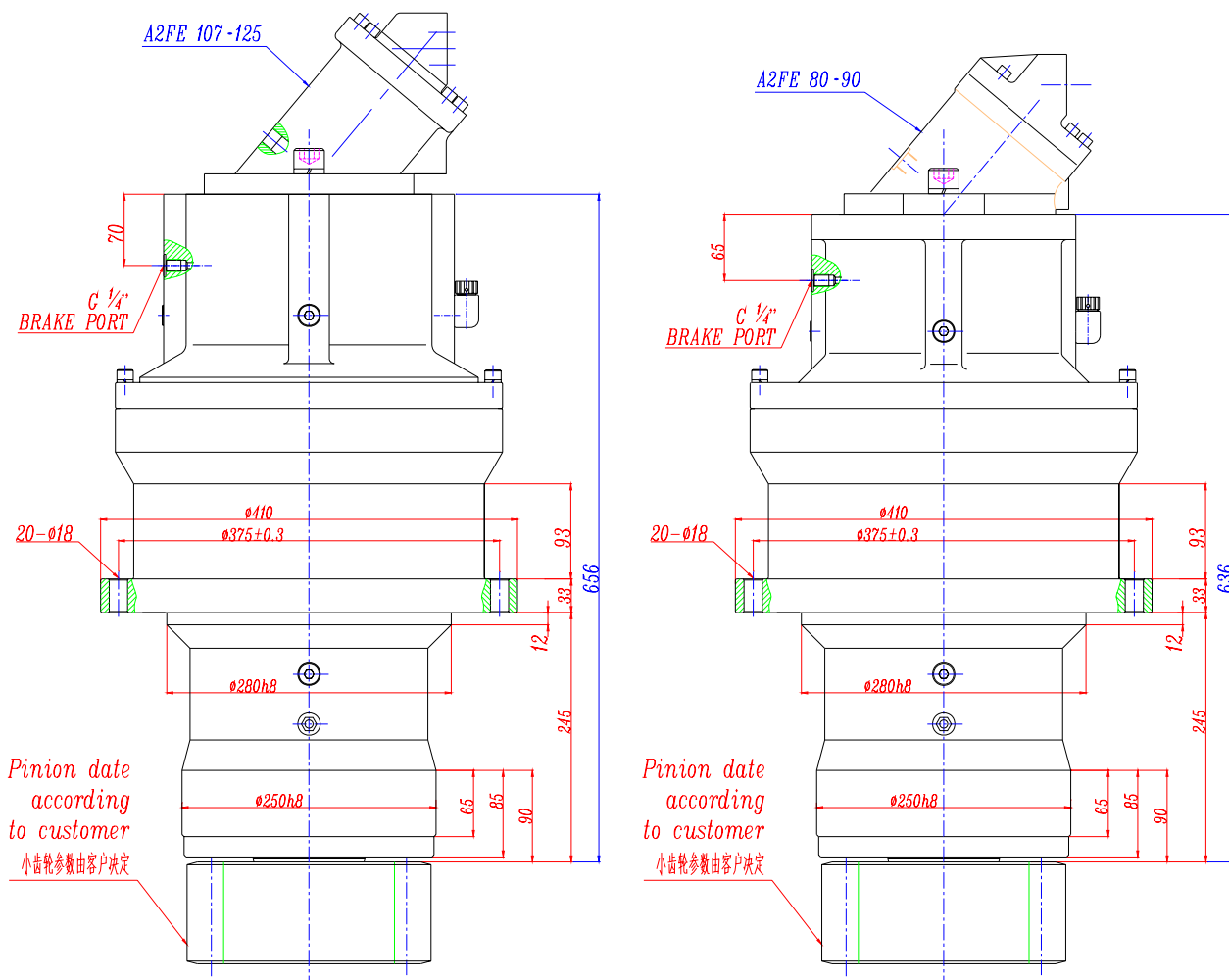


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB709S2						
CB709S3	16000	26000	66.9, 82.4, 105.8, 121.3, 143.9	A2FE 80-90 A2FE107-125	3000	400-600	20-50

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB710S2 SLEW DRIVES 回转齿轮箱(GFB40T2)



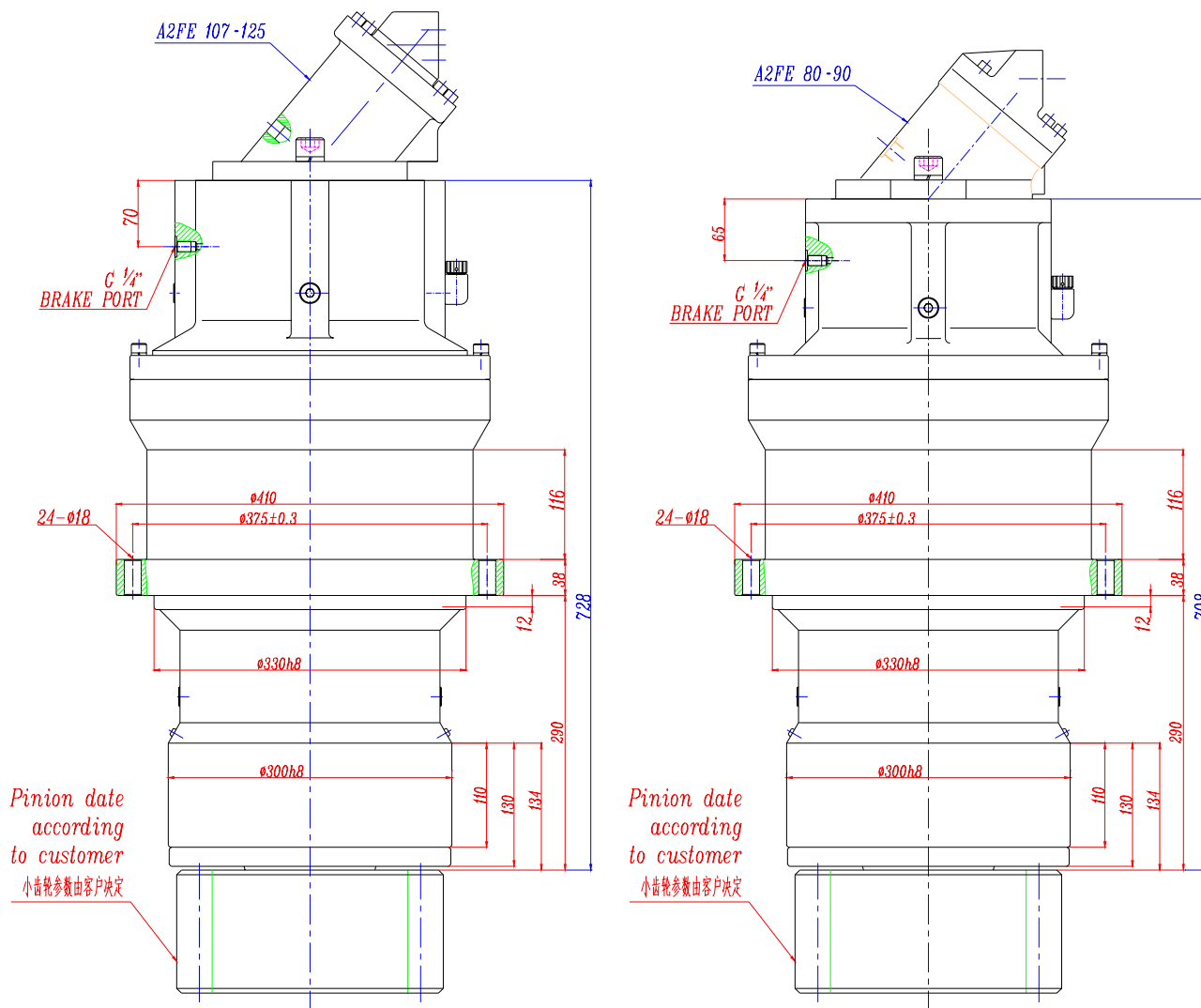
### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB710S2	18000					

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。



## CB710BS3 SLEW DRIVES 回转齿轮箱(GFB50T3)



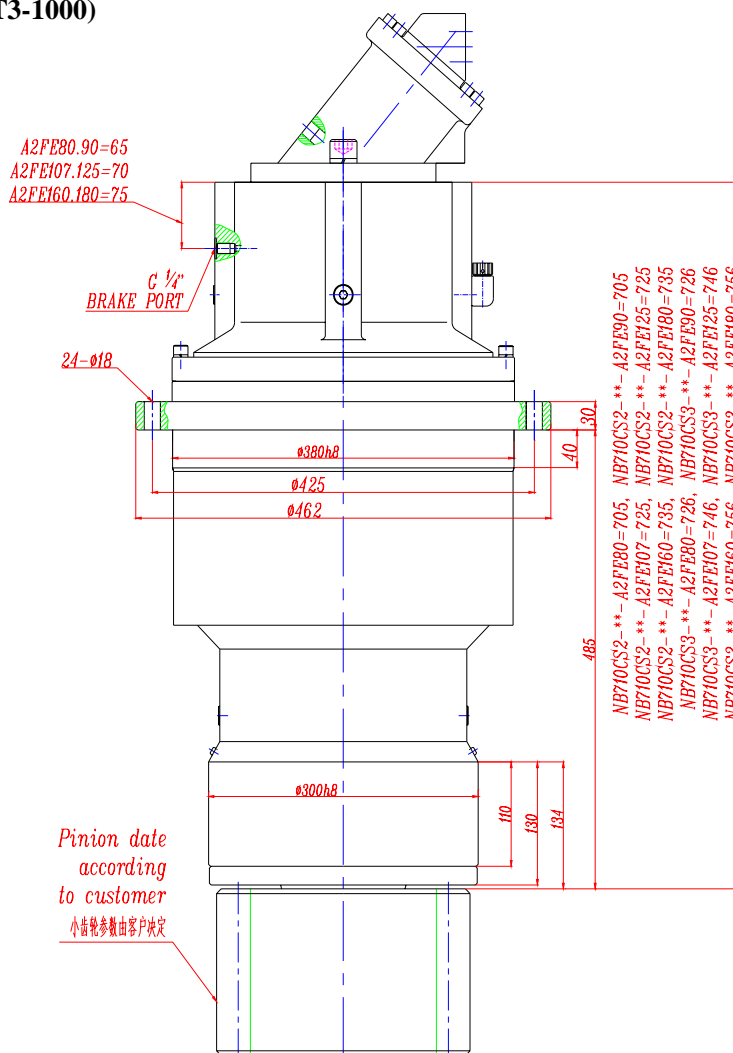
### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB710BS3	23000					

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB710CS2, CB710CS3 SLEW DRIVES 回转齿轮箱

(GFB60T2-1000, GFB60T3-1000)



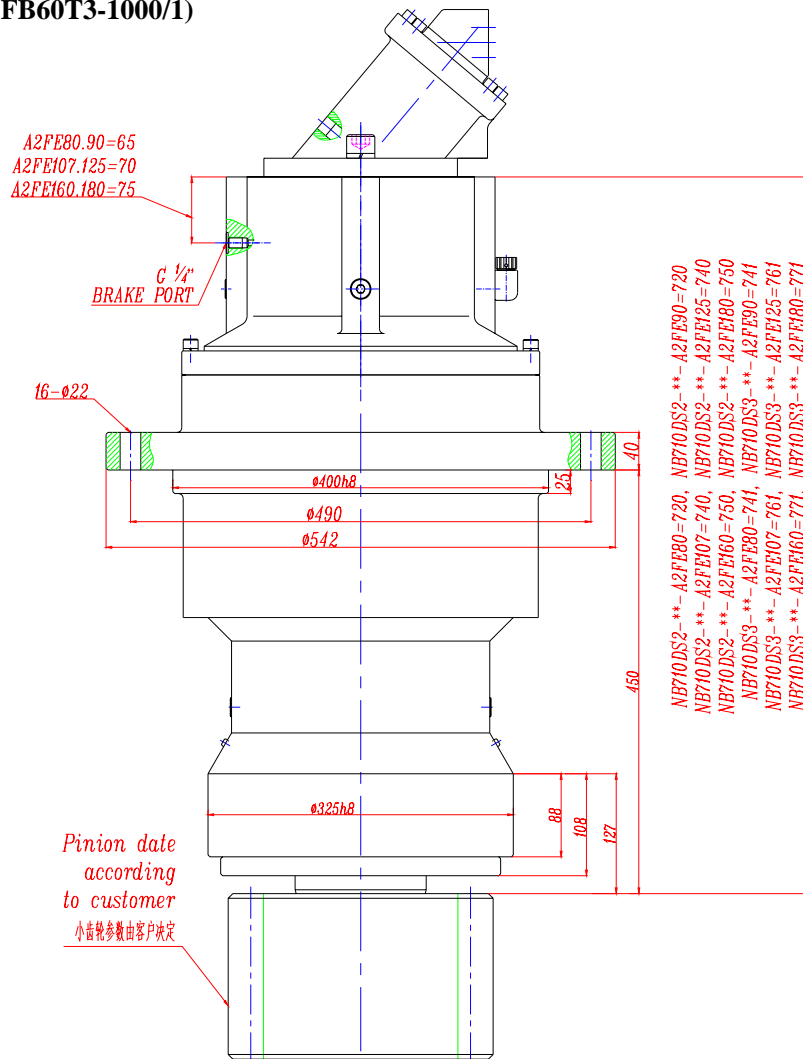
### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
CB710CS2	27800	48500	32, 38.8	A2FE 80-90	3000	600-1100	20-50
CB710CS3			85.6, 97, 112.9	A2FE107-125			
			136.7, 155.1, 181.3	A2FE160-180			

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB710DS2, CB710DS3 SLEW DRIVES 回转齿轮箱

(GFB60T2-1000/1, GFB60T3-1000/1)

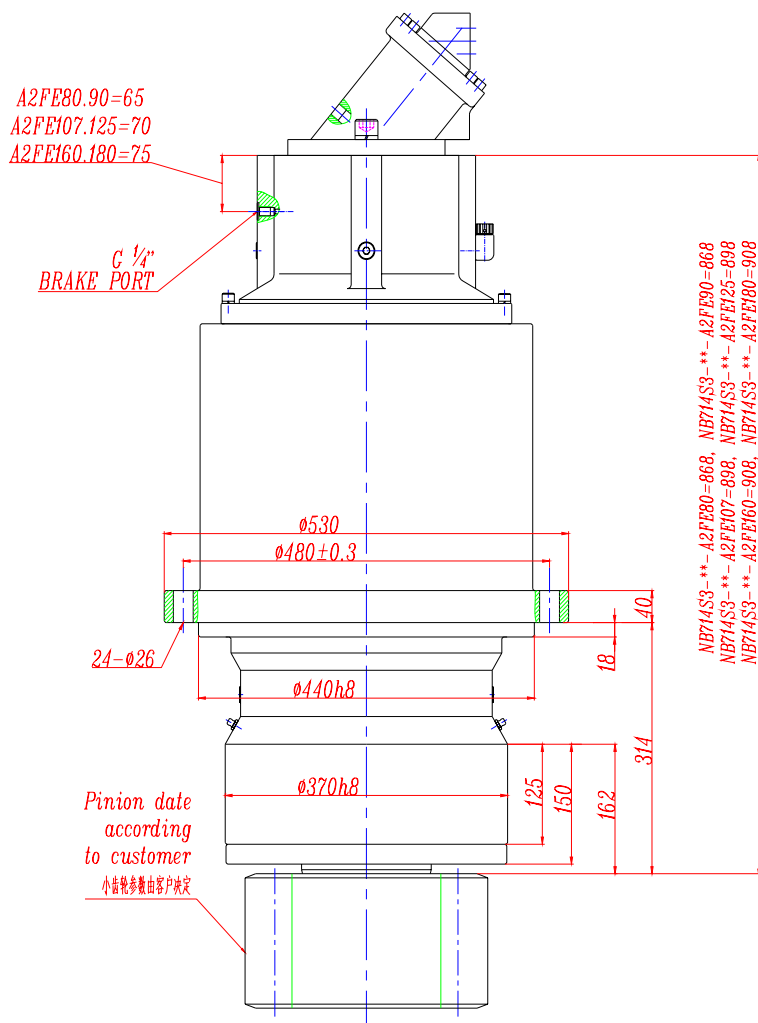


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
CB710DS2	27800	48500	32	A2FE 80-90	3000	600-1100	20-50
CB710DS3			38.8	A2FE107-125			
			85.6, 97, 112.9	A2FE160-180			
			136.7, 155, 181.3				

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB714S3 SLEW DRIVES 回转齿轮箱(GFB80T3)

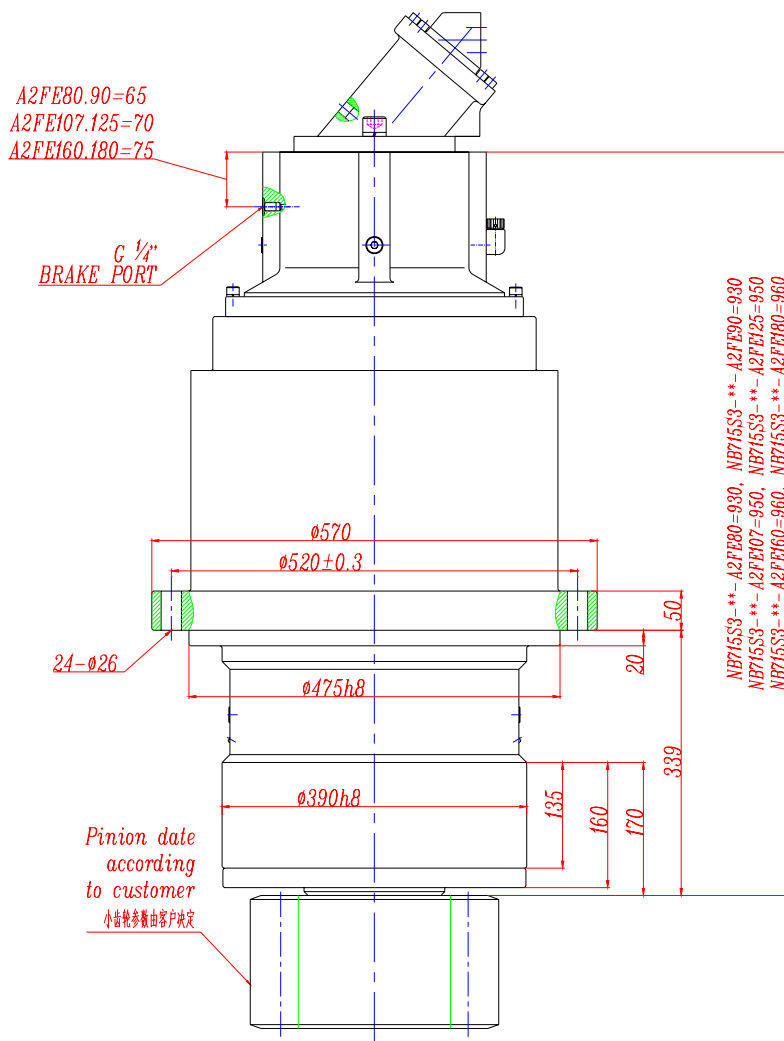


### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB714S3	45000					

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。

## CB715S3 SLEW DRIVES 回转齿轮箱(GFB110T3)



### Technical specification 技术参数

Type 型号	Max.Output Torque 最大输出扭矩(N.m)		Ratio 减速比 (i)	Recommend Hydraulic Motor 推荐马达	Max. input speed 最大输入转速 (rpm)	Brake torque 制动扭矩 (N.m)	Brake work pressure 制动器压力 (bar)
	Excavator 挖机	Crane 起重机					
	CB715S3	65000					

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio and other input type can special design. 其它的减速比和输入类型可特殊设计。



**CB700L4 SERIES**  
**Yaw and Pitch Drive for Wind Turbines**

# CB700L4 系列

风力涡轮机的偏航和变桨驱动齿轮箱



The **CB700L4** series yaw and pitch drive for wind turbines by Hangzhou Chinabase Co., Ltd. enjoy following features:

1. **Output torque Range:** 1000 ... 70000 N.m
2. **Gear Ratios:**  $i=300\ldots 2000$
3. **Support:** Slew support (with Flange mounted)
4. **Electric Brake:** DC and AC type
5. **Output shaft:** Splined or with integral pinion.  
Output shafts supported by heavy duty capacity bearings
6. **Applicable motors:** IEC electric motors

杭州永昌传动机械有限公司生产的**CB700L4**系列风力涡轮机的偏航和变桨驱动齿轮箱具有下述特点:

1. **输出扭矩:**1000...70000 N.m
2. **齿轮减速比:**  $i=300\ldots 2000$
3. **安装:** 回转支座 (带法兰安装)
4. **IEC电机制动:** 可配套DC或AC制动器
5. **输出轴:** 花键或带整体小齿轮, 安装高承载能力的轴承
6. **输入马达:** IEC电机

## PRODUCT IDENTIFICATION SCHEME 产品型号标记:

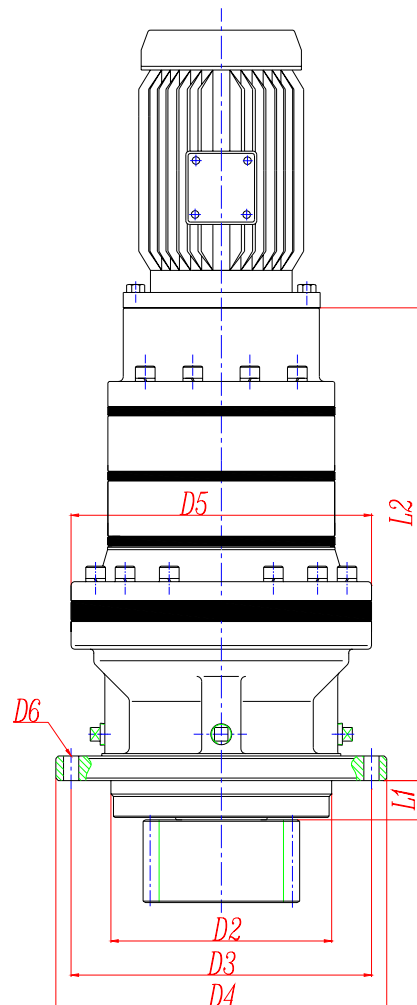
1	2	3	4	5	6
<b>CB</b>	<b>706</b>	<b>L</b>	<b>4</b>	<b>1671</b>	<b>IEC80B5</b>

1. **CB**-----: Hangzhou Chinabase 杭州永昌传动机械
2. **706**-----: Gearbox size,**700,701,703...715** 机座号
3. **L**-----: L series slew drive, L系列回转齿轮箱
4. **4**-----: Number of stages, **4**...four stage  
行星齿轮箱传动级数, **4**...四级
5. **1671**-----: Ratio 减速比
6. **IEC80B5**-----: Motor type 配套马达类型



## CB700L4, CB701L4 Yaw and Pitch drive 偏航和变桨齿轮箱 CB703AL4, CB705AL4 Yaw and Pitch drive 偏航和变桨齿轮箱

Dimension 尺寸	Type 型号			
	CB700L4	CB701L4	CB703AL4	CB705AL4
D2	150	150	175	175
D3	195	195	245	245
D4	220	220	270	270
D5	185	185	245	245
D6	10- $\phi$ 13	10- $\phi$ 13	12- $\phi$ 13	12- $\phi$ 13
L1	31	31	32	32
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



### Technical specification 技术参数

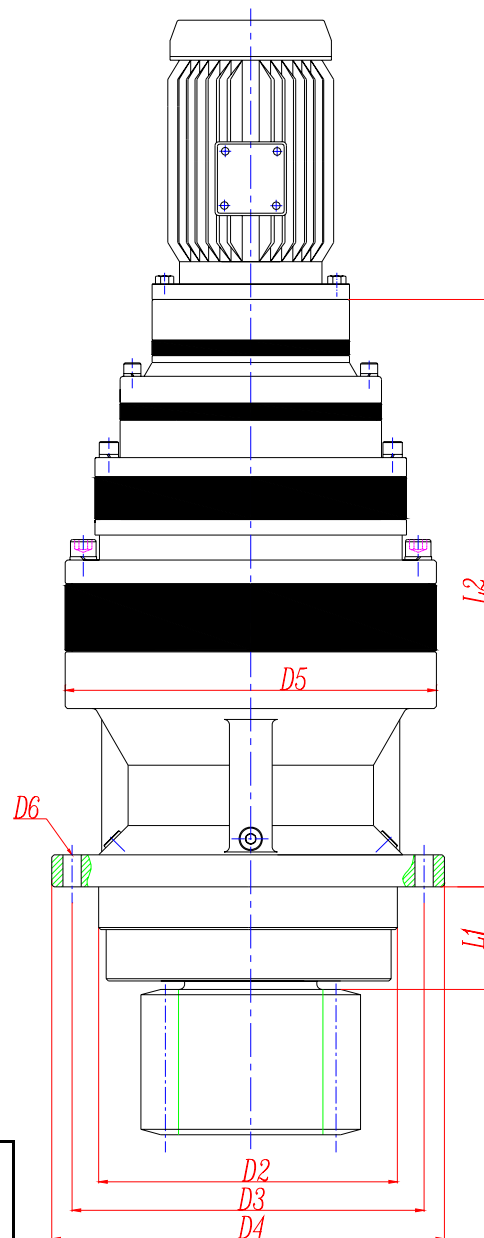
Type 型号	Nominal Output Torque 额定输出扭矩 (N.m)	Peak Static Output Torque 静态峰值输出扭矩 (N.m)	Ratio 减速比 (i)
CB700L	1000	2000	297--2153
CB701L	2000	4000	297--2153
CB703AL	2500	5000	278--1866
CB705AL	5000	10000	278--1866

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio can special design. 其它的减速比可特殊设计。



**CB706BL4, CB707AL4 Yaw and Pitch drive 偏航和变桨齿轮箱**  
**CB709AL4, CB711BL4 Yaw and Pitch drive 偏航和变桨齿轮箱**

Dimension 尺寸	Type 型号			
	CB706BL4	CB707AL4	CB709AL4	CB711BL4
D2	200	240	280	400
D3	250	335	385	445
D4	280	365	420	490
D5	292	345	345	428
D6	12- $\phi$ 17	14- $\phi$ 17	14- $\phi$ 22	24- $\phi$ 22
L1	40	60	60	110
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



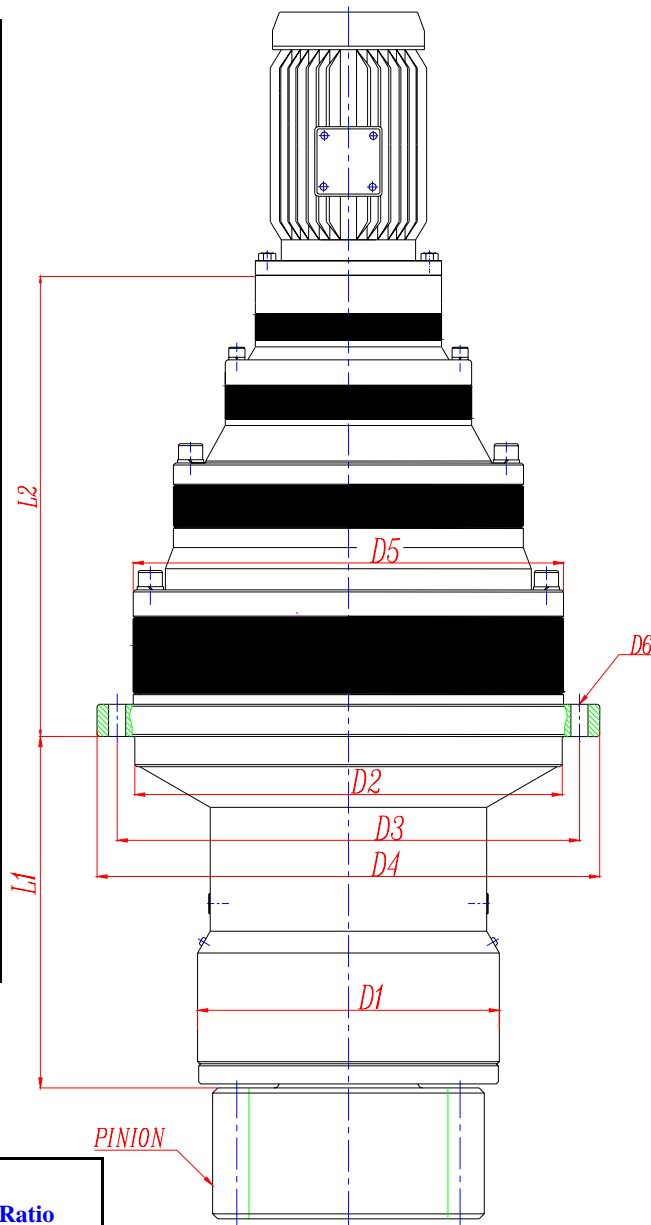
**Technical specification 技术参数**

Type 型号	Nominal Output Torque 额定输出扭矩 (N.m)	Peak Static Output Torque 静态峰值输出扭矩 (N.m)	Ratio 减速比 (i)
CB706BL4	8000	15000	203--2045
CB707AL4	12000	25000	278--1856
CB709AL4	18000	30000	278--1856
CB711BL4	35000	80000	256--1606

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio can special design. 其它的减速比可特殊设计。

**CB705L4, CB706L4 Yaw and Pitch drive 偏航和变桨齿轮箱**  
**CB707L4, CB709L4 Yaw and Pitch drive 偏航和变桨齿轮箱**

Dimension 尺寸	Type 型号			
	CB705L4	CB706L4	CB707L4	CB709L4
D1	180	200	230	250
D2	195	250	280	280
D3	245	325	314	380
D4	290	360	348	420
D5	245	292	345	345
D6	12- $\phi$ 13	10- $\phi$ 17	12- $\phi$ 17	12- $\phi$ 17
L1	171	225	295	295
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



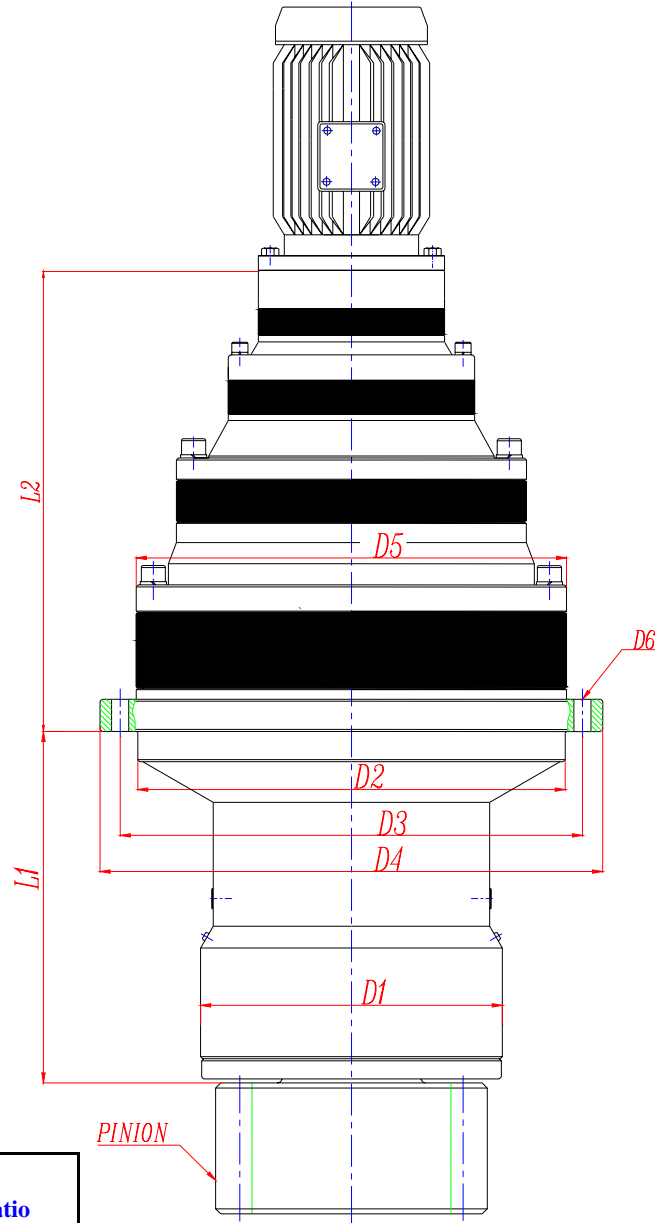
**Technical specification 技术参数**

Type 型号	Nominal Output Torque 额定输出扭矩 (N.m)	Peak Static Output Torque 静态峰值输出扭矩 (N.m)	Ratio 减速比 (i)
CB705L4	5000	10000	278--1866
CB706L4	8000	15000	203--2045
CB707L4	12000	25000	278--1856
CB709L4	18000	30000	278--1856

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio can special design. 其它的减速比可特殊设计。

**CB710L4, CB711L4 Yaw and Pitch drive 偏航和变桨齿轮箱**  
**CB713L4, CB715L4 Yaw and Pitch drive 偏航和变桨齿轮箱**

Dimension 尺寸	Type 型号			
	CB710L4	CB711L4	CB713L4	CB715L4
D1	300	300	340	370
D2	425	425	400	470
D3	450	460	510	600
D4	500	500	560	640
D5	400	428	445	542
D6	12- $\phi$ 22	12- $\phi$ 22	24- $\phi$ 22	24- $\phi$ 22
L1	360	345	420	465
L2	Size according to motor type 由马达类型决定			
Pinion date 小齿轮参数	Pinion date according to customer 小齿轮参数由客户决定			



**Technical specification 技术参数**

Type 型号	Nominal Output Torque 额定输出扭矩 (N.m)	Peak Static Output Torque 静态峰值输出扭矩 (N.m)	Ratio 减速比 (i)
CB710L4	25000	50000	329--1420
CB711L4	35000	80000	256--1606
CB713L4	50000	100000	250--1748
CB715L4	80000	140000	269--1390

- Input – output rotate same direction. 输入转向与输出转向相同。
- Other ratio can special design. 其它的减速比可特殊设计。

## CB300L SERIES In Line Planetary drives

## CB300R SERIES Right angle Planetary drives

### CB300L 系列 直线型行星齿轮箱

### CB300R 系列 直角型行星齿轮箱



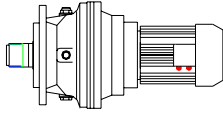
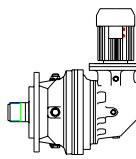
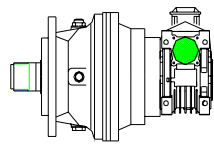
The **CB300L** and **CB300R** series planetary gearbox by Hangzhou Chinabase Co., Ltd. enjoy following features:

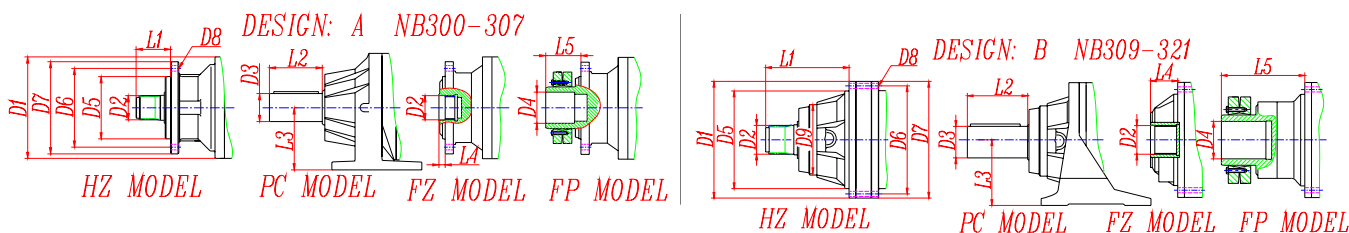
- 1. Output torque Range:** 1000 ... 450000 N.m
- 2. Gear Ratios:**  $i=3.3... 9000$
- 3. Output Configuratio:**
  - Foot or flange mounted
  - Output shaft: solid with key, spline, spline hollow, hollow with shrink disc
- 4. Input Configuration:**
  - Flanged axial piston hydraulic
  - Hydraulic orbit motors
  - IEC and NEMA motor adaptors
  - Solid input shaft
- 5. Hydraulic Brake:** Hydraulic released parking brake on request
- 6. Gear Unit Versions:** In line version  
Right angle (with a spiral bevel gear set)
- 7. Electric Brake:** DC and AC type

杭州永昌传动有限公司生产的

**CB300L** 和 **CB300R** 系列行星齿轮箱具有下述特点:

- 1. 输出扭矩:** 1000...450000 N.m
- 2. 齿轮减速比:**  $i=3.3...9000$
- 3. 输出类型:** 法兰或机座安装  
输出轴: 圆柱轴伸, 花键轴伸, 花键轴孔, 圆柱轴孔到收缩盘
- 4. 输入类型:** 各种液压马达输入  
IEC电机接口, NEMA电机接口  
实心圆柱轴伸输入
- 5. 液压制动:** 允许配用液压释放的停车制动器
- 6. 齿轮箱结构类型:** 输入轴与输出轴成直线型  
输入轴与输出轴成直角型 (带螺旋伞齿轮箱)
- 7. IEC电机制动:** 可配套DC或AC制动器

型号 Type	最大 额定 扭矩 Rated torque (Max.) (N.m)	最大 功率 Rated power (KW)	最大 输入 转速 Input speed (Max.) (rpm)	减速比范围 Range of ratios			设计 Design
							
				直线型 In line	直角型 Right angle	与蜗轮箱组合 Combined with worm gear	
CB300	1000	20	3000	3.3-2700	7-800	400-9000	A
CB301	1750	30	3000	3.3-2700	7-800	400-9000	A
CB303	2500	40	3000	3.6-2900	9-900	400-9000	A
CB305	5000	60	3000	3.6-2900	9-900	400-9000	A
CB306	8500	75	2500	3.7-2900	9-900	400-9000	A
CB307	12500	100	2500	3.4-2500	13-800	400-9000	A
CB309	18500	130	2500	3.4-2500	13-800	400-9000	B
CB310	25000	150	2000	3.8-2500	40-900	400-9000	B
CB311	35000	180	2000	4-2200	18-800	400-9000	B
CB313	50000	200	2000	4-2200	18-800	400-9000	B
CB315	80000	250	1500	4-2000	70-900	400-9000	B
CB316	105000	270	1500	4-2000	50-600	400-9000	B
CB317	150000	300	1000	4-1900	70-900	400-9000	B
CB318	200000	340	1000	4-1100	200-700	400-9000	B
CB319	300000	380	500	4-1400	300-800	1000-9000	B
CB321	450000	450	300	4-1100	300-800	1000-9000	B



型号 Type	尺寸 Dimensions														设计 Design
	D1	D2	D3	D4	L1	L2	L3	L4	L5	D5	D6	D7	D8	D9	
CB300	185	40×36 DIN 5482	38	42	61	58	100	14	50	110	165	185	8-φ11	--	A
CB301	185	40×36 DIN 5482	50	42	61	82	132	14	50	110	165	185	8-φ11	--	A
CB303	245	58×53 DIN 5482	60	75	83	105	160	15	85	150	195	222	10-φ13	--	A
CB305	245	58×53 DIN 5482	60	75	83	105	160	15	85	150	195	222	10-φ13	--	A
CB306	292	70×64 DIN 5482	80	90	130	130	180	40	115	200	250	280	12-φ15	--	A
CB307	348	80×74 DIN 5482	90	100	162	170	200	36	120	230	295	325	10-φ17	--	A
CB309	348	80×74 DIN 5482	100	120	231	165	225	82	245	278	314	348	12-φ17	225	B
CB310	400	100×94 DIN 5482	110	130	290	210	250	95	290	340	370	400	15-φ17	245	B
CB311	428	100×94 DIN 5482	120	135	320	210	280	88	190	358	390	428	24-φ17	230	B
CB313	445	120×3 DIN 5480	140	145	357	200	280	81	235	385	415	445	30-φ17	260	B
CB315	542	150×5 DIN 5480	160	180	429	240	315	98	260	460	503	542	20-φ21	300	B
CB316	670	170×5 DIN 5480	180	180	275	260	400	145	265	580	625	670	30-φ22	--	B
CB317	695	200×5 DIN 5480	200	200	352	260	415	152	318	560	635	695	24-φ32	--	B
CB318	800	220×5 DIN 5480	250	220	340	330	500	155	305	700	750	800	32-φ26	--	B
CB319	940	260×5 DIN 5480	280	280	470	380	550	210	440	800	880	940	30-φ33	--	B
CB321	1100	300×8 DIN 5480	340	320	500	540	650	250	440	940	1020	1100	36-φ33	--	B

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