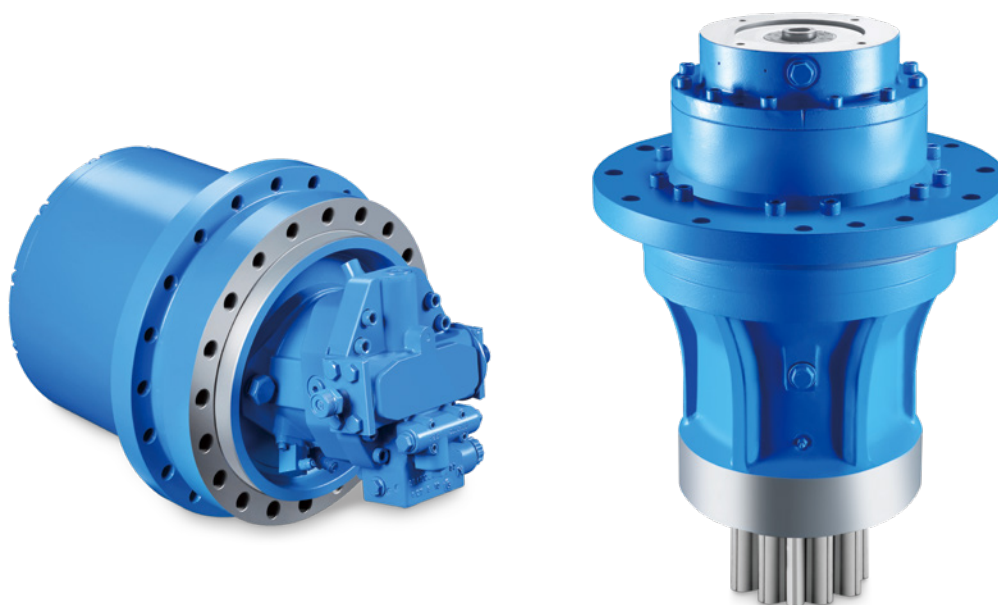


DONLY TRANSMISSION



东力齿轮箱

工程机械减速机

GEAR UNITS FOR CONSTRUCTION MACHINERY

型号 Type DLGT / DLGW / DLHZ / DLJP / DLZJY

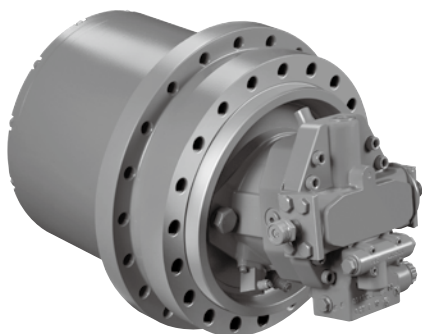
版本 Edition 2021

DONLY

驱 动 无 限 可 能

工程机械减速机

Gear Units For Construction Machinery

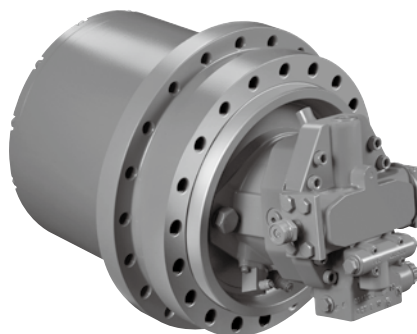


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DLGT 履带驱动减速机 Gear Units For Track Drives



DONLY

产品说明

Product Description

1.1 应用

- 减速机应用于履带式传动的车辆，是移动设备理想的驱动装置。
- 采用行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

1.2 主要技术参数

- 扭矩范围：15000–70000Nm。
- 速比范围：65–191。
- 液压马达直接与法兰连接，液压马达尺寸敬请垂询。
- 表中最大输出扭矩为短期可承受的最大转矩。
- 表中重量不含液压马达。
- 超出范围敬请垂询，可以根据需要进行设计。

1.3 产品特点

- 行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，安装方便。
- 主轴加强型设计，刚度增强。
- 浮动密封结构，密封可靠，杜绝渗漏油。
- 内装多片式停车制动器。

1.4 说明

- 变量或定量插入式液压马达采用直接法兰连接。
- 按照标准供货范围，传动装置中装有一个弹簧制动液压松开的弹簧多片式停车制动器。
- $T_{\text{最小静态制动}} = 1 \cdot T_1$ (输入扭矩)
- 停车力矩可根据所选择的传动比进行匹配。多片式停车制动器不能用作动态工作制动器。
- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

1.1 Application

- The reducer is used in crawler-type transmission vehicles and is an ideal driving device for mobile equipment.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

1.2 Main technical parameters

- Torque range: 15,000-70,000Nm.
- Speed ratio range: 65-191.
- The hydraulic motor is directly connected with the flange. Please inquire about the size of the hydraulic motor if needed.
- The maximum output torque in the table is the maximum torque that can be withstood in a short time.
- Weight in the table does not include hydraulic motor.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

1.3 Product features

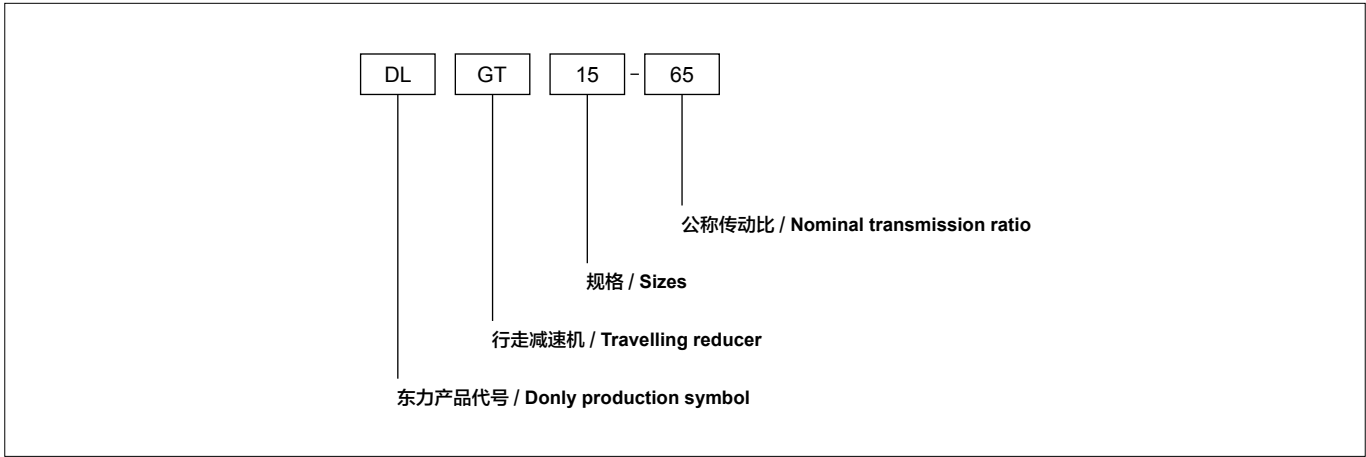
- Planetary gear transmission, small size, high torque, high efficiency and lower noise.
- With flange connection, easy installation.
- Reinforced design of main shaft and enhanced rigidity.
- Floating sealing structure is adopted, reliable sealing and no oil leakage.
- Built-in multiple-disc brake for machine stop.

1.4 Description

- variable or constant displacement, preferably Hydromatik make, will be directly flanged to the unit.
- The standard supply scope includes a spring-loaded, hydraulically released multiple-disc parking brake arranged on the input side.
- $T_{\text{Br sta. min}} = 1 \cdot T_1$ (input torque)
- The holding torque multiplies as a function of the selected transmission ratio. The multiple-disc parking brake is not a dynamically operating service brake.
- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance. changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

1.5 产品型号表示

1.5 Product designations



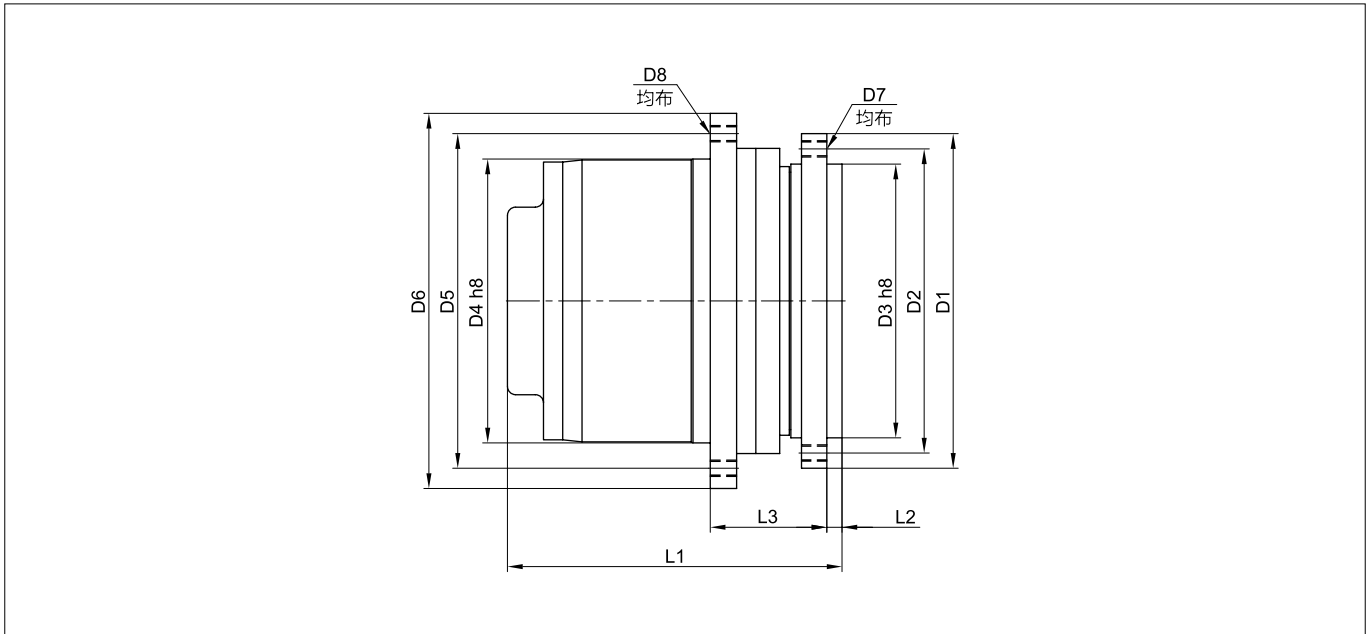
1.6 技术参数表

1.6 Technical parameter table

型号 Model	最大输出扭矩 Nm T_{2max} Maximum output torque Nm T_{2max}	减速比 Reduction ratio	最大输入转速 rpm Maximum input speed rpm	制动力矩 Nm Braking torque Nm	开启压力 bar/ 螺纹 Opening pressure bar/ thread	液压马达 Hydraulic motor	重量 kg Weight Kg
DLGT15	15,000	65-142	3,500	180-230	15-25/M14X1.5	A2FE A6VE	135
DLGT25	25,000	67-131	3,500	280-350	15-25/M14X1.5	A2FE A6VE	140
DLGT35	35,000	67-130	3,500	335-485	15-25/M14X1.5	A2FE A6VE	162
DLGT45	45,000	87-169	3,500	300-495	15-25/M12X1.5	A2FE A6VE	205
DLGT70	70,000	98-191	3,500	500	15-25/M12X1.5	A2FE A6VE	300

1.7 外形尺寸

1.7 Outline dimensions



型号 Model	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
DLGT15	330	300	270	280	330	370	18-M16	18-M16	329	15	115
DLGT25	381	285	240	320	380	410	20-M20	20-M16	342	20	82
DLGT35	381	285	240	350	400	435	20-M20	16-M20	361	22	91
DLGT45	415	310	270	382	428	460	20-M24	16-M20	388	15	91
DLGT70	410	370	330	400	450	490	20-M20	20-M20	411	15	90

DLGW

液压驱动卷扬减速机

Gear Units For Hydraulic Winch



2. 产品说明

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2.6 产品型号表示	06
Product designations	
2.6 技术参数表	07
Technical parameter table	
2.8 外形尺寸	07
Outline dimensions	

产品说明

2.1 应用

- 减速机应用于吊车等特种设备的卷扬装置, 提供最安全、有效的解决方案。
- 采用行星齿轮传动, 结构紧凑, 能应用安装在空间极端狭小的设备上。

2.2 主要技术参数

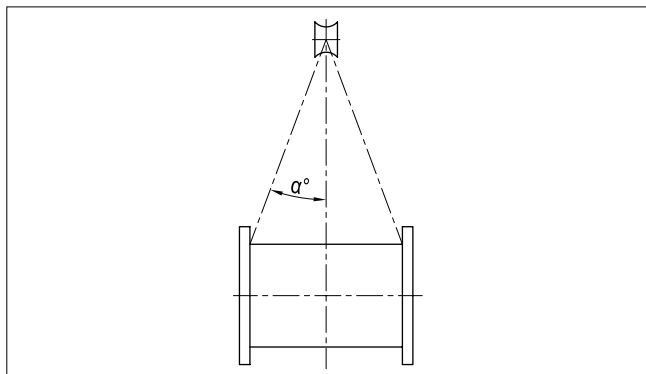
- 扭矩范围: 10000–70000Nm。
- 速比范围: 22–191。
- 表中最大输出扭矩为短期可承受的最大转矩。
- 液压马达直接与法兰连接, 液压马达尺寸敬请垂询。
- 重量不含液压马达、卷筒。
- 超出范围敬请垂询, 可以根据需要进行设计。

2.3 产品特点

- 行星齿轮传动, 体积小、扭矩大、效率高、噪音低。
- 法兰连接, 安装方便。
- 主轴加强型设计, 刚度增强。
- 特殊密封结构, 密封可靠, 杜绝渗漏油。
- 内装多片式停车制动器。

2.4 说明

- 减速机设计适用环境温度范围为 -20°C 至 $+40^{\circ}\text{C}$ 。
- 环境影响诸如咸水、咸气、沙、尘、超压力、重振动、剧烈冲击以及环境温度, 侵入介质及类似问题将会妨碍产品功能, 为了实现卷扬减速机的安全设计, 此类工况条件敬请垂询。
- 此减速机设计基于多年的实践经验。技术参数表中所指输出转矩 T_{2N} 对应于 FEM 第 1 部分, 第 3 版和第 IX 部分 (FEM- 欧盟标准), 以及 DIN15020, 机构载荷状态分级 L2, 机构利用等级 T5, 对应于机构工作级别 M5。参考输出转速为最大每分钟 15 转。如果卷扬机构分级为其它机构工作级别, 则其所需输出转矩必须采用系数 K 进行修正。
- 为正确地卷绕钢丝绳, 要求绳偏折角 α 维持在允许的极限之内。绳偏折角 α 不应小于 0.5° , 以防钢丝绳在端部挡盘处堆积并确保它安全地进入下一层。绳偏折角 α 不应大于 1.5° 以防钢丝绳从绳槽中脱出, 且当卷绕几层时, 确保卷筒被正确地装满直到端部挡盘。



Product Description

2.1 Application

- The reducer is applied to the winch device of crane and other special equipment to provide the most safe and effective solution.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

2.2 Main technical parameters

- Torque range: 10,000-70,000 Nm.
- speed ratio range: 22-191.
- The maximum output torque in the table is the maximum torque that can be withstood in a short time.
- The hydraulic motor is directly connected with the flange. Please inquire about the size of the hydraulic motor.
- The weight in the table does not include hydraulic motor and drum.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

2.3 Product features

- Planetary gear transmission, small size, high torque, high efficiency and lower noise.
- With flange connection, easy installation.
- Reinforced design of main spindle and enhanced rigidity.
- Special sealing structure is adopted, reliable sealing and no oil leakage.
- Built in multi disc brake for machine stop.

2.4 Description

- The gear units have been designed for use at ambient temperatures ranging between -20°C and $+40^{\circ}\text{C}$.
- Environmental influences such as salt water, salty air, sand, dust, overpressure, heavy vibrations, extreme shocks and ambient temperatures, aggressive media and the like will impede the function of the product. To enable a safe design of the winch drive such conditions please contact us.
- The Gear units design is based on many years of practical application experience. the output torques T_{2N} indicated under technical data for crane applications relate to FEM Section 1, 3rd 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. the reference output speed is 15 revolutions per minute maximum. If the swing drive is classified in another driver group the required output torque must be converted by applying factor K.
- Reeling up the cable properly requires the cable deflection angle α to be maintained within permissible limits. the deflection angle α should not be less than 0.5° , to prevent the cable from building up at the end plate and make sure it safely moves into the next layer. the deflection angle α should not exceed 1.5° , to prevent the cable from being pulled against the groove profile and, in case of several cable layers, make sure the cable drum is correctly filled up to the end plates.

产品说明

Product Description

- 变量或定量插入式液压马达采用直接法兰连接。
- 标准供货范围包括一个置于输入端的弹簧加载，液压释放的多片式停车制动器。
- T_{BR} （最小制动力矩） $\approx 1.5 \cdot T_1$ （输入转矩）。
- 此多片式夹持制动器不能用于动态制动，夹持制动力矩因所选择的传动比不同而不同。在制动状态时，制动器释放油路中不得有背压。
- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

2.5 减速机选型

- T_2 = 输出转矩
- F = 单绳拉力 N
- D_W = 相应卷绕直径 m
- $T_2 = F \cdot D_W / 2$
- T_{2k} = 修正的输出转矩
- K 机构利用等级和载荷状态所对应的系数。
- $T_{2K} = T_2 \cdot K$
- 减速机选型时 $T_{2K} \leq T_{2N}$

注：机构工作级别和机构利用等级 K 见：附表 1，机构分级示例见：附表 2。

- Variable or constant displacement, preferably Hydromatik make, will be directly flanged to the unit.
- The standard supply scope includes a spring-loaded, hydraulically-released multiple-disc parking brake arranged on the input side.
- T_{BR} min(brake torque) $\approx 1.5 \cdot T_1$ (input torque).
- The multiple-disk holding brake is not to be used as service brake. The holding torque multiplies with the transmission ratio selected.
- The gearteeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

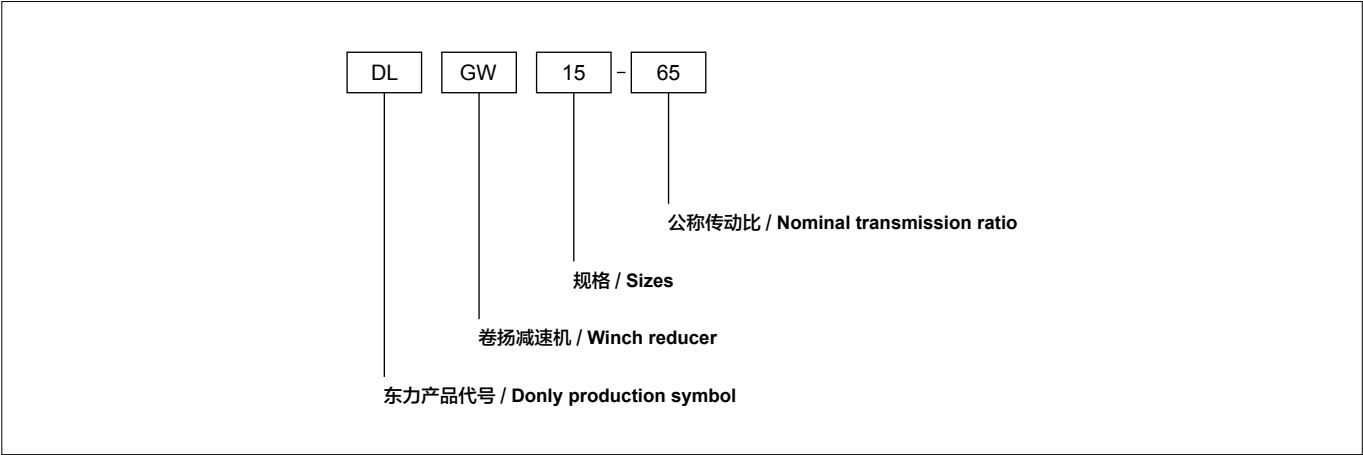
2.5 Gear units selection

- T_2 =output torque
- F =cable pull in N
- D_W =relevant winding diameter in m
- $T_2 = F \cdot D_W / 2$
- T_{2k} =corrected output torque
- K Factor according to service time category and collective group.
- $T_{2K} = T_2 \cdot K$
- T_{2k} of the Gear units be selected must be $\leq T_{2N}$

Note: For the organization's work level and organization utilization level K, see: Attached Table 1, and for an example of institutional grading, see: Attached Table 2.

2.6 产品型号表示

2.6 Product designations



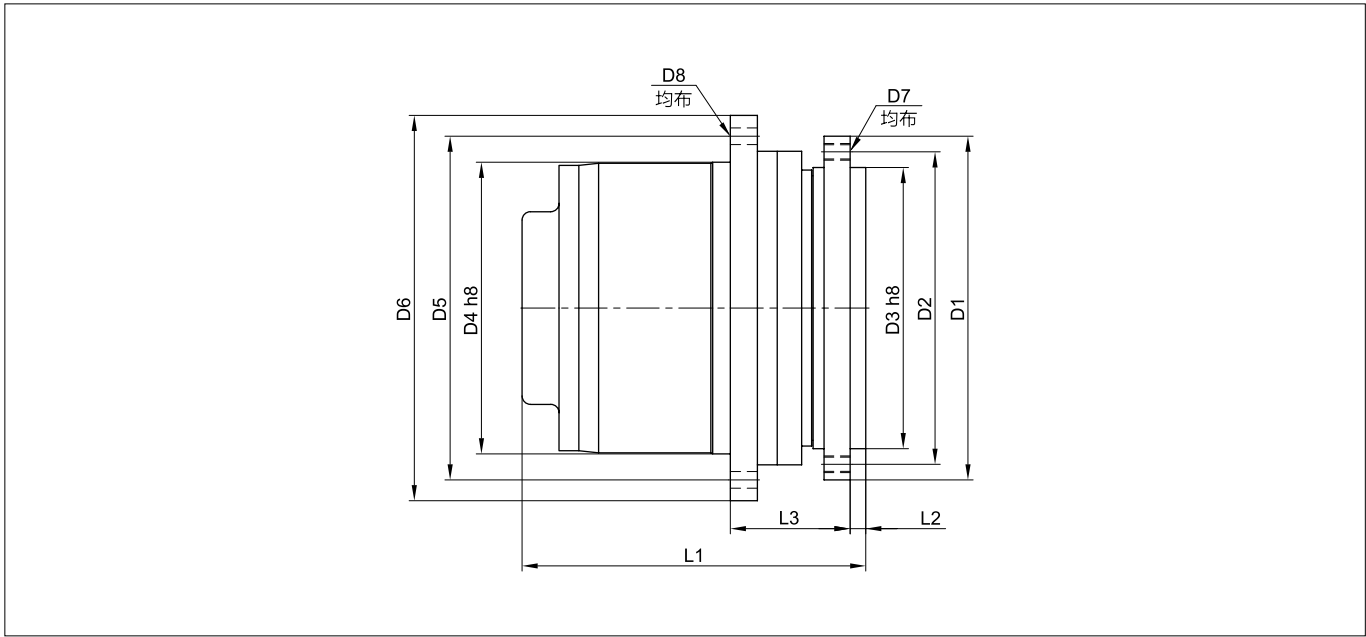
2.7 技术参数表

2.7 Technical parameter table

型号 Model	最大输出扭矩 Nm T_{2max} Maximum output torque Nm T_{2max}	额定输出扭矩 Nm FEM M5(T5-L2) T_{2N} Rated output torque Nm FEM M5(T5-L2) T_{2N}	减速比 Reduction ratio	最大输入转速 rpm Maximum input speed rpm	制动力矩 Nm Braking torque Nm	开启压力 bar/ 螺纹 Opening pressure bar/ thread	液压马达 Hydraulic motor	重量 kg Weight Kg
DLGW10	10,000	3,600-6,100	22-49	3,500	486	27/M12X1.5	A2FE A6VE	65
DLGW15	15,000	6,900-9,700	65-142	3,500	397	24/M14X1.5	A2FE A6VE	135
DLGW25	25,000	12,800	67-144	3,500	543	27/M14X1.5	A2FE A6VE	140
DLGW35	35,000	18,500	67-145	3,500	624	27/M14X1.5	A2FE A6VE	162
DLGW45	45,000	22,200	87-169	3,500	646	16/M12X1.5	A2FE A6VE	205
DLGW70	70,000	34,900	98-191	3,500	847	23/M12X1.5	A2FE A6VE	300

2.8 外形尺寸

2.8 Outline dimensionss



型号 Model	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3
DLGW10	260	230	190	220	270	300	12-M16	16-Ø15.5	287	24	72
DLGW15	330	300	270	280	340	370	18-M16	18-Ø15.5	329	15	115
DLGW25	381	285	240	320	412	442	20-M20	20-Ø17.5	342	20	82
DLGW35	381	285	240	350	412	442	20-M20	20-Ø17.5	361	22	91
DLGW45	395	310	270	360	428	460	20-M24	16-Ø21.5	388	15	91
DLGW70	410	370	330	400	450	490	20-M20	20-Ø21.5	411	15	90

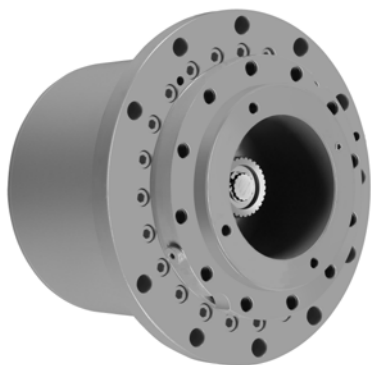
DLGW..T

塔机起升减速机

Gear Units For

Tower Crame

Hoisting Mechanism



3. 产品说明

Product Description

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产品说明

3.1 应用

- 减速机应用于塔机等特种设备的卷扬装置，提供最安全、有效的解决方案。
- 采用行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

3.2 主要技术参数

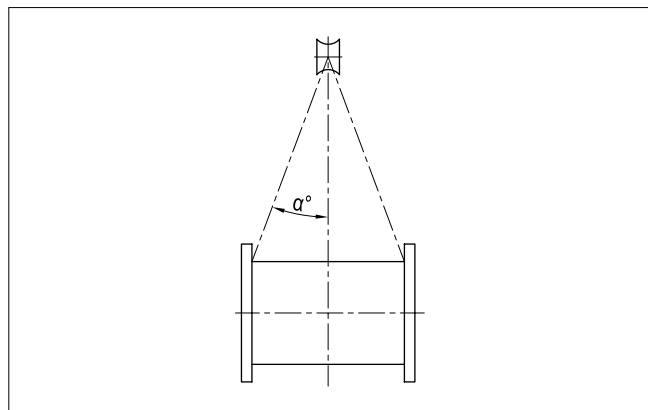
- 扭矩范围：6000-10000Nm。
- 速比范围：20-40。
- 电机直接与法兰连接，详细内容敬请垂询。
- 表中最大输出扭矩为短期可承受的最大转矩。
- 表中重量不含电机。
- 超出范围敬请垂询，可以根据你的需要进行定制化设计。

3.3 产品特点

- 行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，安装方便。
- 主轴加强型设计，刚度增强。

3.4 说明

- 减速机设计适用环境温度范围为 -20°C 至 $+40^{\circ}\text{C}$ 。
- 环境影响诸如咸水、咸气、沙、尘、超压力、重振动、剧烈冲击以及环境温度，侵入介质及类似问题将会妨碍产品功能，为了实现卷扬减速机的安全设计，此类工况条件敬请垂询。
- 此减速机设计基于多年的实践经验。技术参数表中所指最大输出转矩 T_{2N} 对应于 FEM 第 1 部分，第 3 版和第 IX 部分（FEM- 欧盟标准），以及 DIN15020，机构载荷状态分级 L2，机构利用等级 T5，对应于机构工作级别 M5。参考输出转速为最大每分钟 15 转。如果卷扬机构分级为其它机构工作级别，则其所需输出转矩必须采用系数 K 进行修正。
- 为正确地卷绕钢丝绳，要求绳偏折角 α 维持在允许的极限之内。绳偏折角 α 不应小于 0.5° ，以防钢丝绳在端部挡盘处堆积并确保它安全地进入下一层。绳偏折角 α 不应大于 1.5° 以防钢丝绳从绳槽中脱出，且当卷绕几层时，确保卷筒被正确地装满直到端部挡盘。



Product Description

3.1 Application

- The reducer is applied to the winch device of tower crane and other special equipment to provide the most safe and effective solution.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

3.2 Main technical parameters

- Torque range: 6,000-10,000Nm.
- Speed ratio range: 20-40.
- The electric motor is directly connected with the flange. Please inquire for details.
- The maximum output torque in the table is the maximum torque that can be withstood in a short time.
- The weight in the table does not include the motor.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

3.3 Product features

- Planetary gear transmission, small size, large torque, high efficiency and lower noise.
- With flange connection, easy for installation.
- Reinforced design of main spindle and enhanced stiffness.

3.4 Description

- The gear units have been designed for use at ambient temperatures ranging between -20°C and $+40^{\circ}\text{C}$.
- Environmental influences such as salt water, salty air, sand, dust, overpressure, heavy vibrations, extreme shocks and ambient temperatures, aggressive media and the like will impede the function of the product. To enable a safe design of the winch drive such conditions please contact us.
- The gear units design is based on many years of practical application experience. The output torques T_{2N} indicated under technical data for crane applications relate to FEM Section 1, 3rd 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. the reference output speed is 15 revolutions per minute maximum. If the swing drive is classified in another driver group the required output torque must be converted by applying factor K.
- Reeling up the cable properly requires the cable deflection angle α to be maintained within permissible limits. The deflection angle α should not be less than 0.5° , to prevent the cable from building up at the end plate and make sure it safely moves into the next layer. the deflection angle α should not exceed 1.5° , to prevent the cable from being pulled against the groove profile and, in case of several cable layers, make sure the cable drum is correctly filled up to the end plates.

产品说明

Product Description

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养。换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

3.5 减速机选型

- T_2 = 输出转矩
- F = 单绳拉力 N
- D_W = 相应卷绕直径 m
- $T_2 = F \cdot D_W / 2$
- T_{2K} = 修正的输出转矩
- K 机构利用等级和载荷状态所对应的系数。
- $T_{2K} = T_2 \cdot K$
- 减速机选型时 $T_{2K} \leq T_{2N}$

3.5 Gear units selection

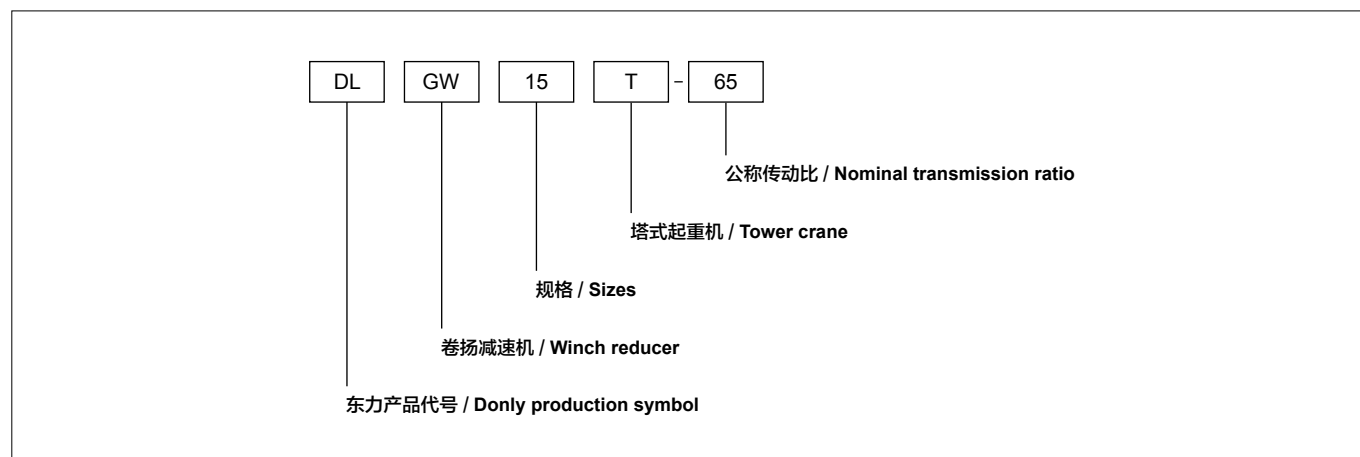
- T_2 = output torque
- F = cable pull in N
- D_W = relevant winding diameter in m
- $T_2 = F \cdot D_W / 2$
- T_{2K} = corrected output torque
- K Factor according to service time category and collective group.
- $T_{2K} = T_2 \cdot K$
- T_{2K} of the Gear units be selected must be $\leq T_{2N}$

注：机构工作级别和机构利用等级 K 见：附表 1，机构分级示例见：附表 2。

Note: For the organization's work level and organization utilization level K, see: Attached Table 1, and for an example of institutional grading, see: Attached Table 2.

3.6 产品型号表示

3.6 Product designations



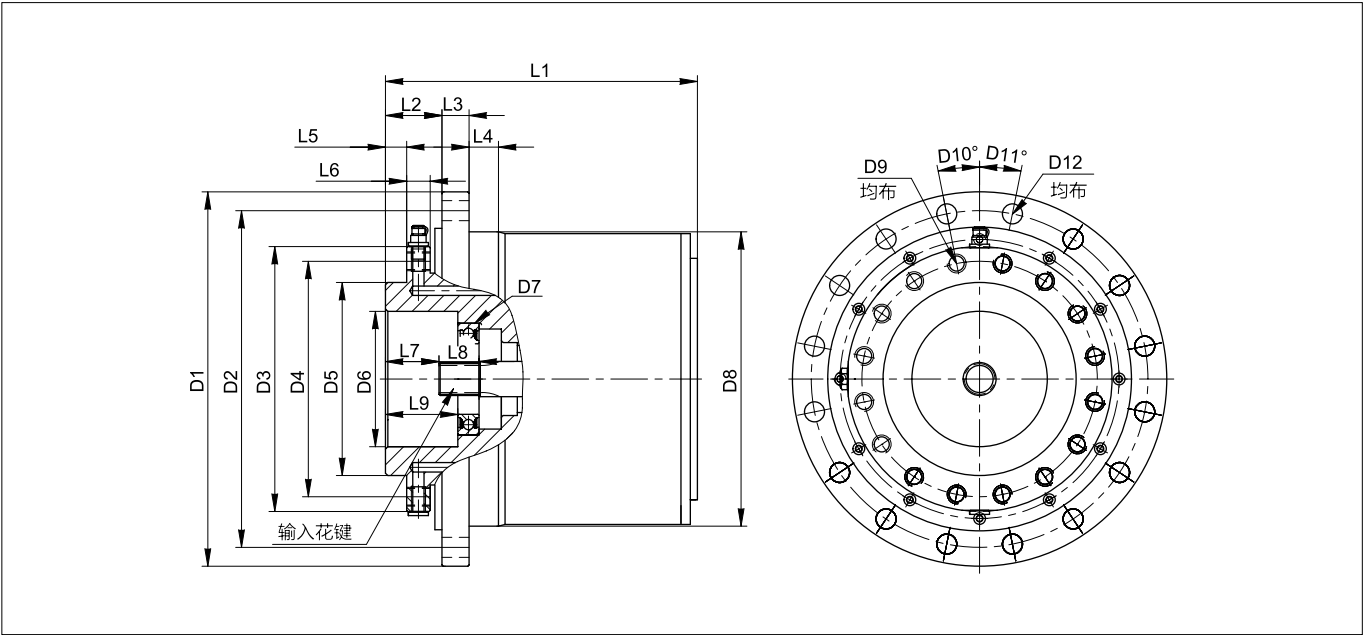
3.7 技术参数表

3.7 Technical parameter table

型号 Model	最大输出扭矩 Nm T_{2max} Maximum output torque Nm T_{2max}	减速比 Reduction ratio	输出扭矩 Nm FEM M5(T5-L2) T_{2N} Output torque Nm FEM M5(T5-L2) T_{2N}	最高转速 rpm Maximum speed rpm	额定转速 rpm Rated speed rpm	输入花键 Input spline	重量 kg Weight Kg
DLGW06T	12,000	20-36.3	6,000	3,700	1,500	EXT 13Z×2m×30P×6e GB/T3478.1	70
DLGW10T	20,000	20-40	10,000	3,700	1,500	EXT 15Z×2m×30P×6e GB/T3478.1	100

3.8 外形尺寸

3.8 Outline dimensionss



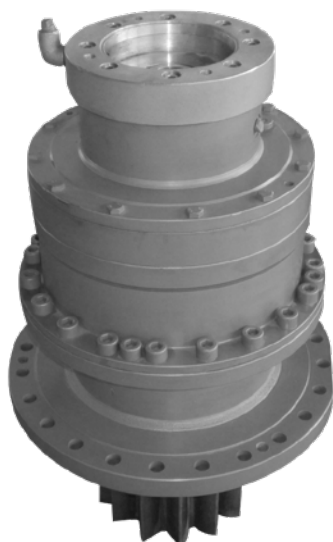
型号 Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
DLGW06T	318	266	225	200	164g6	115H12	轴承 6015-2RS Bearing 6015-2RS	250f7	16-M16	11.25	11.25	16-Ø17H12
DLGW10T	352	320	258	235	200g6	140H12	轴承 6216-2RS Bearing 6216-2RS	284f7	16-M16	11.25	9	20-Ø17H12

型号 Model	L1	L2	L3	L4	L5	L6	L7	L8	L9
DLGW06T	265	48	23	25	18	20	45.5	34	59.5
DLGW10T	282	50	23	25	18	20	56.5	40	77.5

DLHZ

起重设备回转减速机

Gear Units For Slewing Drives



4. 产品说明

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Technical parameter table	
4.8 外形尺寸	14
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产品说明

4.1 应用

- 减速机应用于汽车吊、挖机等特种设备的回转装置，提供最安全、有效的解决方案。
- 采用行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

4.2 主要技术参数

- 扭矩范围：6600–61400Nm。
- 速比范围：12–330。
- 输入接口详细尺寸敬请垂询。
- 表中重量不含电机或液压马达。
- 超出范围敬请垂询，可以根据需要进行定制化设计。

4.3 产品特点

- 行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 输出主轴加强型设计，整体式齿轮轴，径向承载能力大。

4.4 说明

- 减速机的设计是以多年的使用经验为基础设计的。在技术数据中所指的输出扭矩 T_{2N} ，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 时，机构工作级别为 M5。标准输出转速最大为每分钟 15 转。对于不同的机构工作级别，必须用系数 K 对所要求的输出扭矩进行换算。
- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

4.5 减速机选型

- T_2 = 输出扭矩
- T_{2K} = 修正的输出扭矩
- K 机构利用等级和载荷状态所对应的系数。
- $T_{2K} = T_2 \cdot K$
- 减速机选型时 $T_{2K} \leq T_{2N}$

注：机构工作级别和机构利用等级 K 见：附表 1，机构分级示例见：附表 2。

Product Description

4.1 Application

- The reducer is applied to the slewing device of truck crane, excavator and other special equipment to provide the most safe and effective solution.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

4.2 Main technical parameters

- Torque range: 6,600-61,400Nm.
- Speed ratio range: 12-330.
- Please inquire for the detailed size of the input interface.
- The weights in the table do not include motors or hydraulic motors.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

4.3 Product features

- Planetary gear transmission, small size, large torque, high efficiency and lower noise.
- Input flange connection, reinforced design and enhanced stiffness.
- Reinforced design of output spindle, integral gear shaft, large radial bearing capacity.

4.4 Description

- The Gear units design is based on many years of practical application experience. The output torques T_{2N} indicated under technical data for crane applications relate to FEM Section 1, 3rd 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. The reference output speed is 15 revolutions per minute maximum. If the swing drive is classified in another driver group the required output torque must be converted by applying.
- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

4.5 Gear units selection

- T_2 = output torque
- T_{2K} = corrected output torque
- K Factor according to service time category and collective group.
- $T_{2K} = T_2 \cdot K$
- T_{2K} of the Gear units be selected must be $\leq T_{2N}$

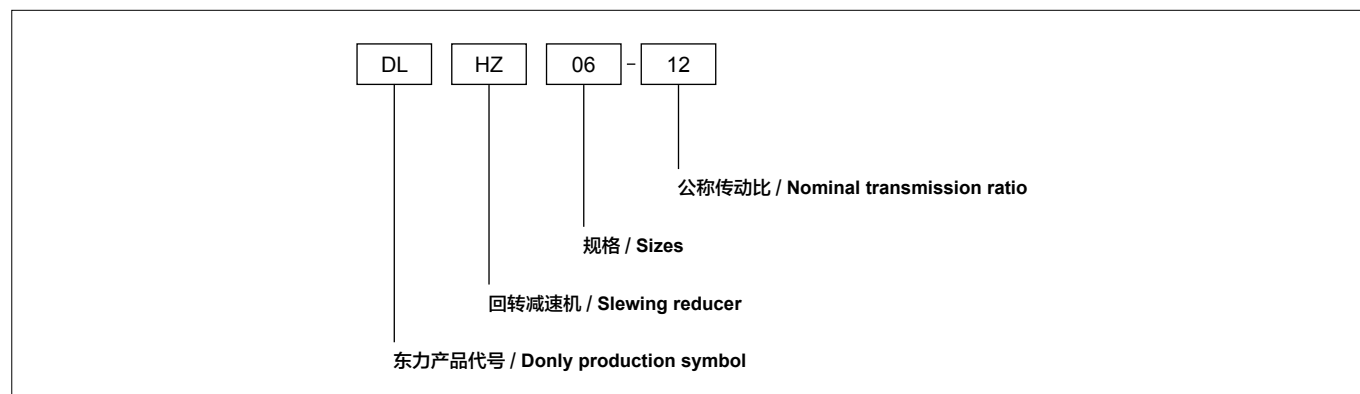
Note: For the organization's work level and organization utilization level K, see: Attached Table 1, and for an example of institutional grading, see: Attached Table 2.

产品说明

Product Description

4.6 产品型号表示

4.6 Product designations



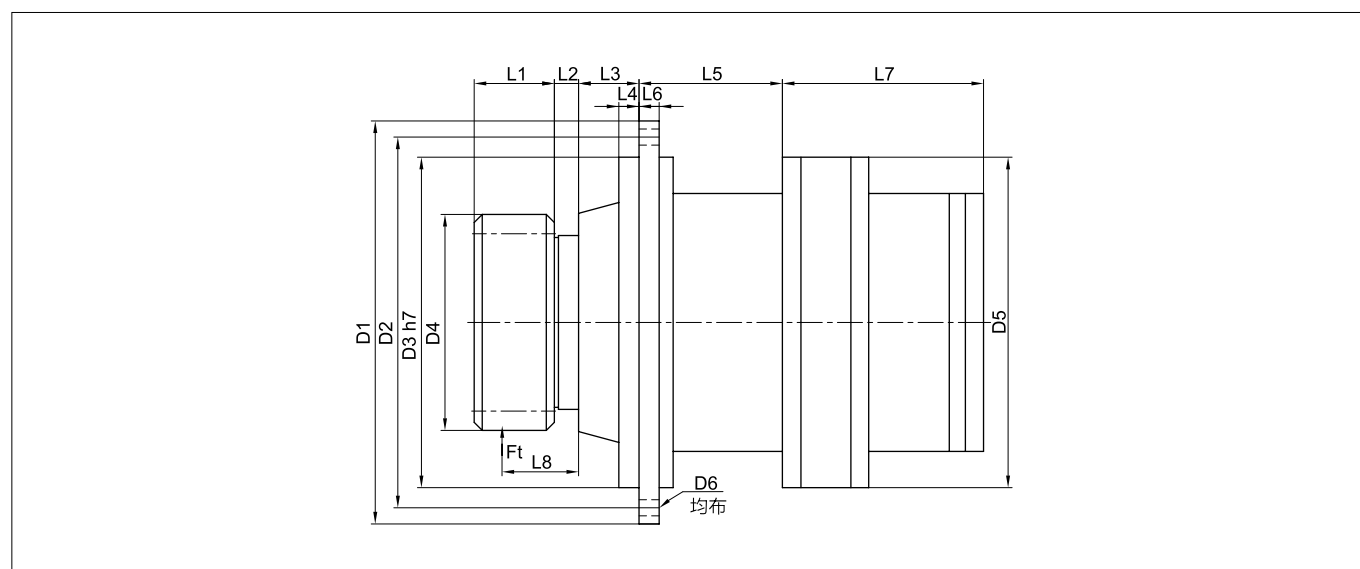
4.7 技术参数表

4.7 Technical parameter table

型号 Model	最大输出扭矩 Nm T_{2max} Maximum output torque Nm T_{2max}	额定输出扭矩 Nm FEM M5(T5-L2) T_{2N} Rated output torque Nm FEM M5 (T5-L2) T_{2N}	减速比 Reduction ratio		最大输入转速 rpm Maximum input speed rpm	输出齿轮 (可根据需要设计) The output gear (Can be designed according to needs)	Ft N FEM M5(T5-L2)	Ftmax N
			2 级 Level 2	3 级 Level 3				
DLHZ06	11,500-13,500	6,600-9,550	12-44	51-252	3,000	m=16,Z=12,X=0.5 (压力角 20°) (pressure Angle 20°)	220,000	238,000
DLHZ15	23,000	13,450-18,100	14-46	48-330	3,000	m=20,Z=11,X=0.5 (压力角 20°) (pressure Angle 20°)	263,000	369,000
DLHZ25	37,000-46,200	21,350-29,450	14-36	44-261	2,500	m=18,Z=12,X=0.5 (压力角 20°) (pressure Angle 20°)	465,000	518,000
DLHZ26	37,000-52,800	21,350-29,450	16-52	58-323	2,500	m=18,Z=12,X=0.5 (压力角 20°) (pressure Angle 20°)	543,000	638,000
DLHZ32	63,600	21,000-33,850	20-43	70-245	2,500	m=18,Z=12,X=0.5 (压力角 20°) (pressure Angle 20°)	527,000	618,000
DLHZ35	53,800-74,600	31,850-48,700	16-45	56-162	2,500	m=20,Z=14,X=0.5 (压力角 20°) (pressure Angle 20°)	580,000	760,000
DLHZ40	72,000-100,000	39,950-61,400	16-45	58-159	2,500	m=20,Z=14,X=0.5 (压力角 20°) (pressure Angle 20°)	852,000	1,092,000

4.8 外形尺寸

4.8 Outline dimensionss



型号 Model	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7		L8
													2 级 Level 2	3 级 Level 3	
DLHZ06	280	250	220	238	280	12-Ø18	130	6	31	12	227	25	185	237.5	50
DLHZ15	400	350	300	268	340	18-Ø28	99.5	5	51	6	224.5	30	282.5	350	60
DLHZ25	430	395	280	268	399	24-Ø21	134.5	5.5	78	63	278	35	256.5	321.5	70
DLHZ26	430	395	280	268	399	24-Ø21	134.5	5.5	78	63	278	35	243	335	70
DLHZ32	430	395	280	268	399	24-Ø21	134.5	5.5	78	63	278	35	243	335	80
DLHZ35	490	445	400	335	445	24-Ø21	143	5.5	104	15	215	37	422.5	482	90
DLHZ40	490	445	365	335	445	24-Ø21	143	5.5	78	28	291	37	422.5	482	100

5. 产品说明

Product Description

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DLHZ..T 塔机回转减速机 Gear Units For Tower Crane Slewing Mechanism



DONLY

产品说明

Product Description

5.1 应用

- 减速机应用于塔机等特种设备的回转装置，提供最安全、有效的解决方案。
- 采用行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

5.1 Application

- The reducer is applied to the slewing device of tower crane and other special equipment to provide the most safe and effective solution.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

5.2 主要技术参数

- 扭矩范围：10000–15000Nm。
- 速比范围：140–195。
- 电机直接与法兰连接，详细内容敬请垂询。
- 表中重量不含电机。
- 超出范围敬请垂询，可以根据需要进行设计。

5.2 Main technical parameters

- Torque range: 10,000-15,000Nm.
- Speed ratio range: 140-195.
- The electric motor is directly connected with the flange. Please inquire for details.
- Weight in the table does not include motor.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

5.3 产品特点

- 行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 输出主轴加强型设计，整体式齿轮轴，径向承载能力大。

5.3 Product features

- Planetary gear transmission, small size, large torque, high efficiency and low noise.
- Input flange connection, reinforced design and enhanced stiffness.
- Reinforced design of output spindle, integral gear shaft, large radial bearing capacity.

5.4 说明

- 减速机的设计是以多年的使用经验为基础设计的。在技术数据中所指的输出扭矩 T_{2N} ，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 时，机构工作级别为 M5。标准输出转速最大为每分钟 15 转。对于不同的机构工作级别，必须用系数 K 对所要求的输出扭矩进行换算。
- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

5.4 Description

- The gear units design is based on many years of practical application experience. The maximum output torques T_{2N} indicated under technical data for crane applications relate to FEM section 1, 3rd 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. The reference output speed is 15 revolutions per minute maximum. If the swing drive is classified in another driver group the required output torque must be converted by applying.
- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

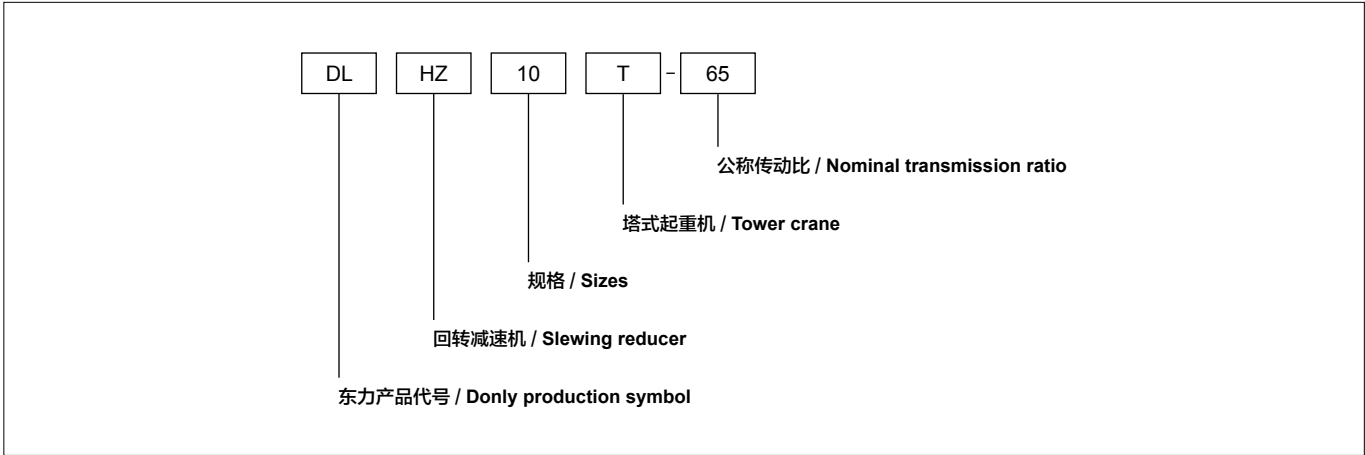
产品说明

5.5 减速机选型

- T_2 = 输出转矩
- T_{2k} = 修正的输出转矩
- K 机构利用等级和载荷状态所对应的系数。
- $T_{2k}=T_2 \cdot K$
- 减速机选型时 $T_{2k} \leq T_{2N}$ 。

注：机构工作级别和机构利用等级 K 见：附表 1，机构分级示例见：附表 2。

5.6 产品型号表示



5.7 技术参数表

型号 Model	输出扭矩 Nm FEM M5(T5-L2) T_{2N} Output torque Nm FEM M5 (T5-L2) T_{2N}	公称减速比 Nominal reduction ratio	最大输入转速 rpm Maximum input speed rpm	输入花键 Input spline	输出齿轮（可根据需要设计） Output gear (can be designed as needed)	重量 kg Weight Kg
DLHZ10T	10,000	140-195	1,900	32/64 30°24Z (ANSI B92.1-1996)	$m=10, Z=12, X=0.5$ （压力角 20°） (Pressure Angle 20°)	162
DLHZ13T	13,000	140-195	1,900	32/64 30°24Z (ANSI B92.1-1996)	$m=12, Z=14, X=0.5$ （压力角 20°） (Pressure Angle 20°)	197
DLHZ15T	15,000	140-195	1,900	32/64 30°30Z (ANSI B92.1-1996)	$m=12, Z=16, X=0.5$ （压力角 20°） (Pressure Angle 20°)	200

Product Description

5.5 Gear units selection

- T_2 =output torque
- T_{2k} =corrected output torque
- K Factor according to service time category and collective group.
- $T_{2k}=T_2 \cdot K$
- T_{2k} of the Gear units be selected must be $\leq T_{2N}$.

Note: For the organization's work level and organization utilization level K, see: Attached Table 1, and for an example of institutional grading, see: Attached Table 2.

5.6 Product designations

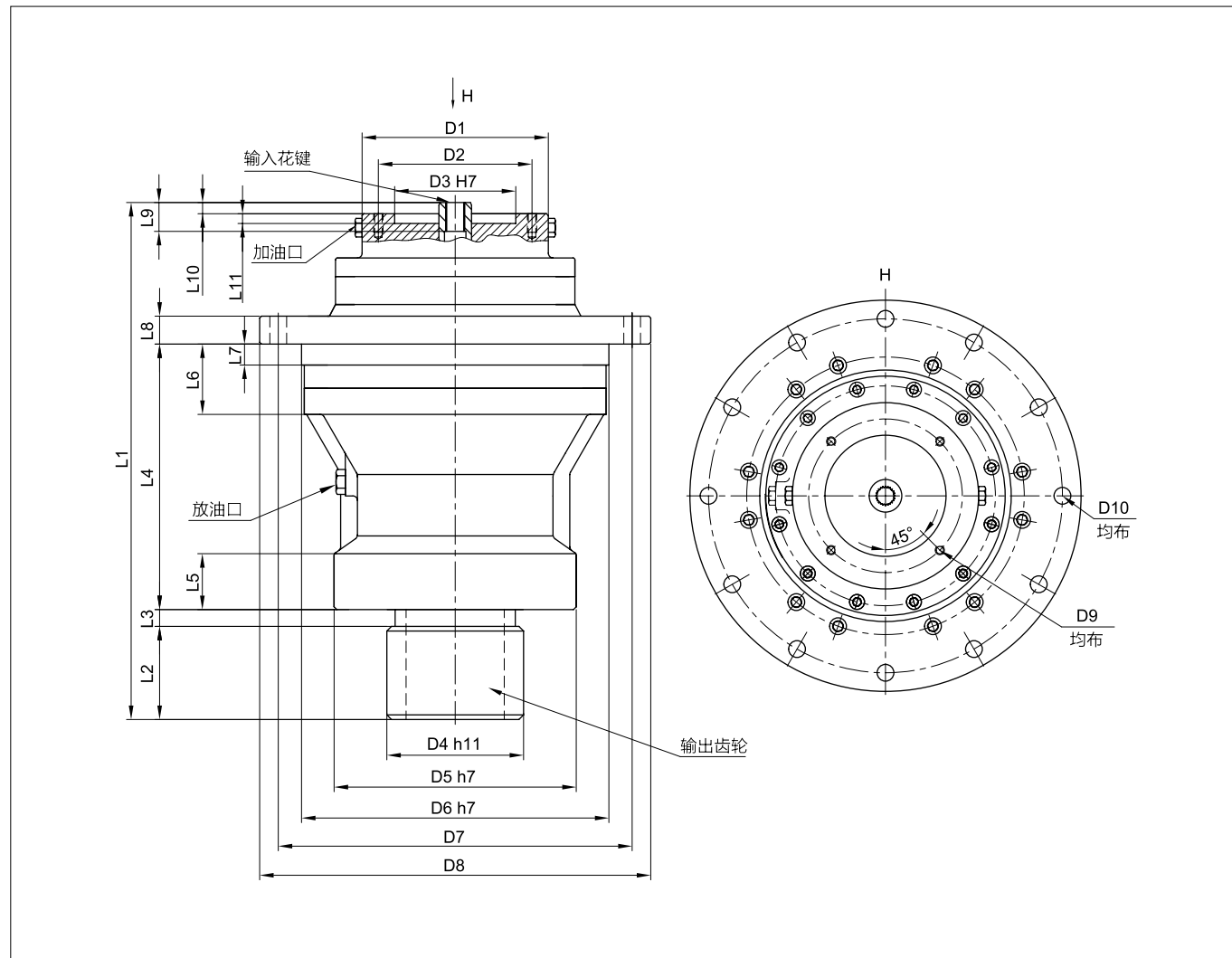
5.7 Technical parameter table

产品说明

Product Description

5.8 外形尺寸

5.8 Outline dimensions



型号 Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
DLHZ10T	200	165	130	146.9	260	330	380	420	4-M10 20/25	12-Ø18
DLHZ13T	200	165	130	200.5	260	330	380	420	4-M10 20/25	12-Ø18
DLHZ15T	250	215	180	224.7	260	330	380	420	4-M12 25/30	12-Ø18

型号 Model	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
DLHZ10T	609	100	18	315	60	75.5	22.5	30	18	2	4.5
DLHZ13T	669	105	24	315	42	33	20	25	25	2	4.5
DLHZ15T	669	105	24	315	42	33	20	25	25	3	4.5

6. 产品说明

Product Description

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Technical parameter table	
6.7 外形尺寸	21
Outline dimensions	

DLHZ..D

旋挖钻机动力头减速机

Gear Units For Power Head Of Drilling Rig



DONLY

产品说明

Product Description

6.1 应用

- 减速机应用于旋挖钻机动力头装置。减速机由液压马达驱动，增矩减速后输入给动力箱，最终由动力箱来实现钻机钻孔工作的旋转运动。
- 采用行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

6.2 主要技术参数

- 扭矩范围：13400~29400Nm。
- 速比范围：13.9~36.9。
- 液压马达直接与法兰连接，液压马达尺寸敬请垂询。
- 表中最大输出扭矩为短期可承受的最大转矩。
- 超出范围敬请垂询，可以根据需要设计。

6.3 产品特点

- 行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 输出主轴加强型设计，整体式齿轮轴，径向承载能力大。

6.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

6.5 产品型号表示

6.1 Application

- The reducer is applied to the power head device of rotary drill. The reducer is driven by the hydraulic motor. After torque increase and deceleration, it is input to the power box. Finally, the power box realizes the rotary movement of the drilling rig.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

6.2 Main technical parameters

- Torque range: 13,400-29,400Nm.
- Speed ratio range: 13.9-36.9.
- The hydraulic motor is directly connected with the flange. Please inquire about the size of the hydraulic motor.
- The maximum output torque in the table is the maximum torque that can be withstood in a short time.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

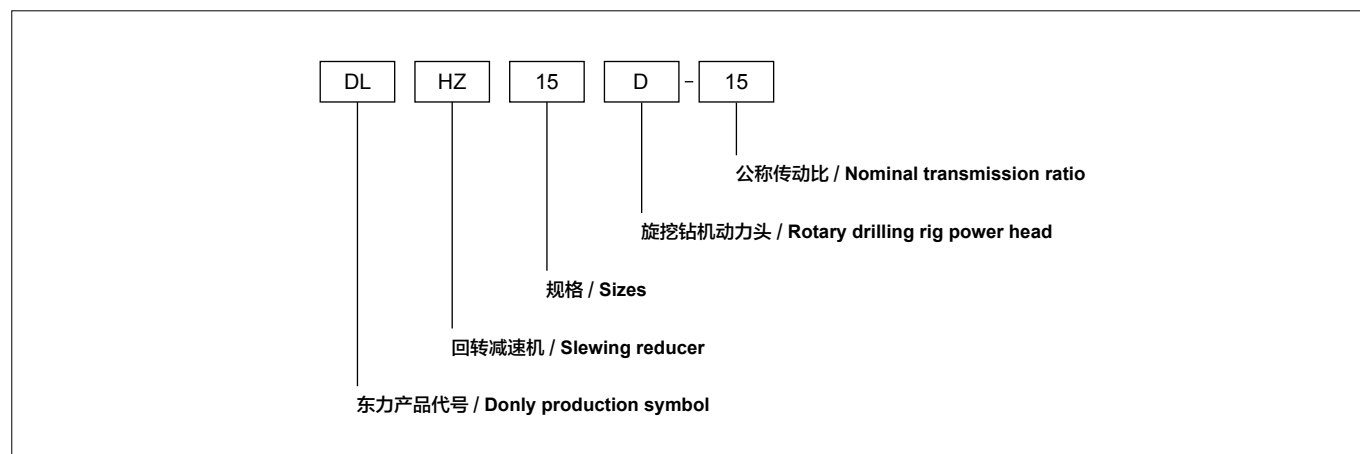
6.3 Product features

- Planetary gear transmission, small size, large torque, high efficiency and lower noise.
- Input flange connection, reinforced design and enhanced stiffness.
- Reinforced design of output spindle, integral gear shaft, large radial bearing capacity.

6.4 Description

- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

6.5 Product designations



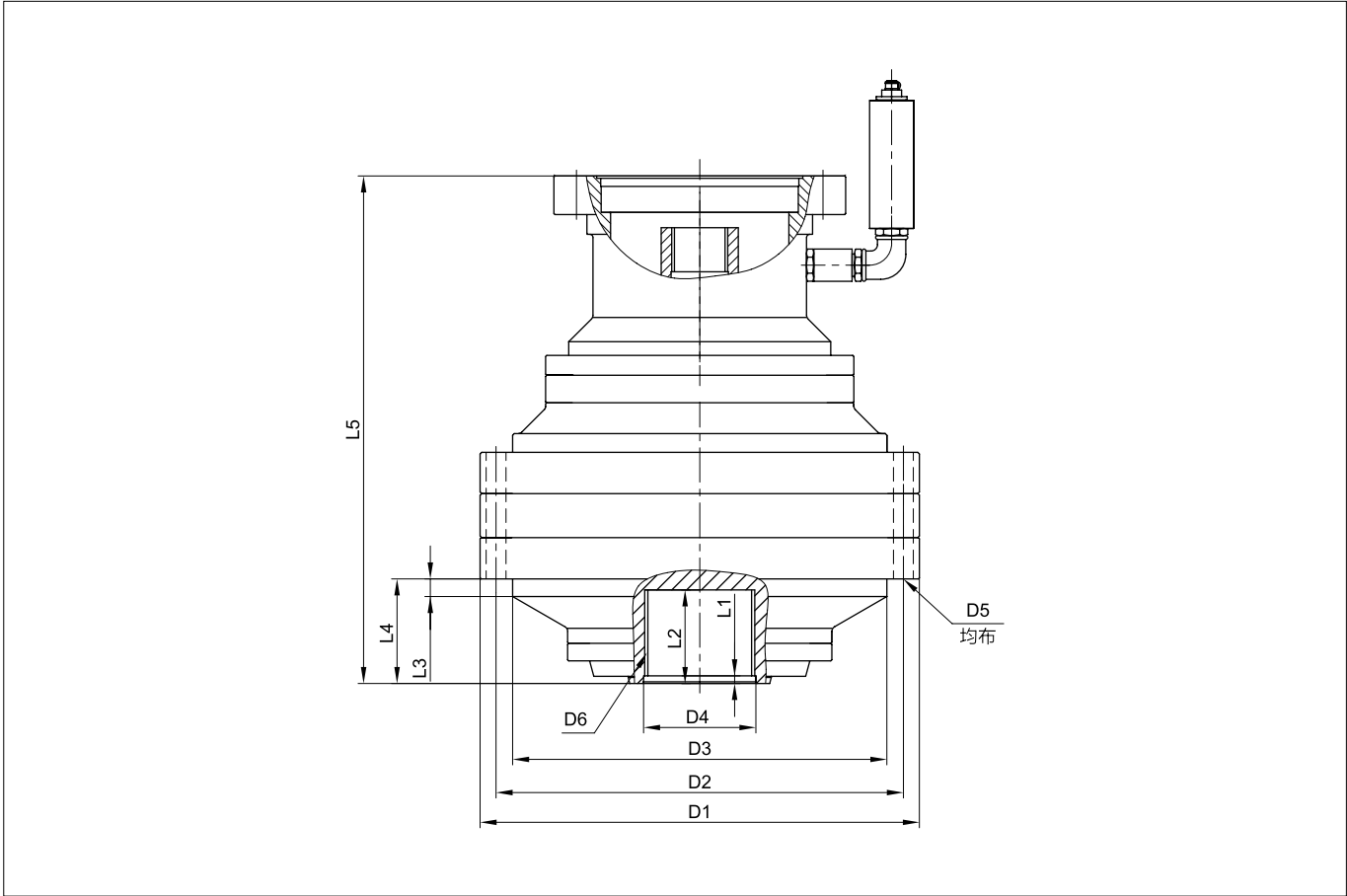
6.6 技术参数表

6.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	液压马达 Hydraulic motor
DLHZ15D	13,400-18,100	15.2-36.9	A6VM
DLHZ25D	21,300-29,400	13.9-35.4	A6VM

6.7 外形尺寸

6.7 Outline dimensionss



型号 Model	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5
DLHZ15D	348	314	278	88	12-Ø18	A80×74 DIN5482	6.5	95	12	84.5	480
DLHZ25D	400	370	340	102	15-Ø18	A100×94 DIN5482	15	91	13	93.5	500

DLHZ..B

水泥泵车回转减速机

Gear Units For Slewing Drives Of Concrete Pump Vehicle



7. 产品说明 Product Description

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7.6 技术参数表	24
Technical parameter table	
7.7 外形尺寸	24
Outline dimensions	

产品说明

7.1 应用

- 减速机应用于混凝土泵车回转装置。
- 采用行星齿轮传动,结构紧凑,能应用安装在空间极端狭小的设备上。

7.2 主要技术参数

- 扭矩范围: 15000Nm。
- 速比范围: 15.2-36.9。
- 液压马达直接与法兰连接, 液压马达尺寸敬请垂询。
- 超出范围敬请垂询, 可以根据需要进行设计。

7.3 产品特点

- 行星齿轮传动, 体积小、扭矩大、效率高、噪音低。
- 法兰连接, 加强型设计, 刚度增强。
- 内装多片式停车制动器。
- 外花键输出安装简单。

7.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外, 减速机无须保养, 换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期, 同时规定于说明书中。

Product Description

7.1 Application

- The reducer is applied to the slewing device of concrete pump vehicle.
- It adopts planetary gear transmission, compact structure, and can be installed on equipment with extremely narrow space.

7.2 Main technical parameters

- Torque range: 15,000Nm.
- Speed ratio range: 15.2-36.9.
- The hydraulic motor is directly connected with the flange. Please inquire about the size of the hydraulic motor.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

7.3 Product features

- Planetary gear transmission, small size, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Built in multi disc brake.
- The external spline output is easy to install.

7.4 Description

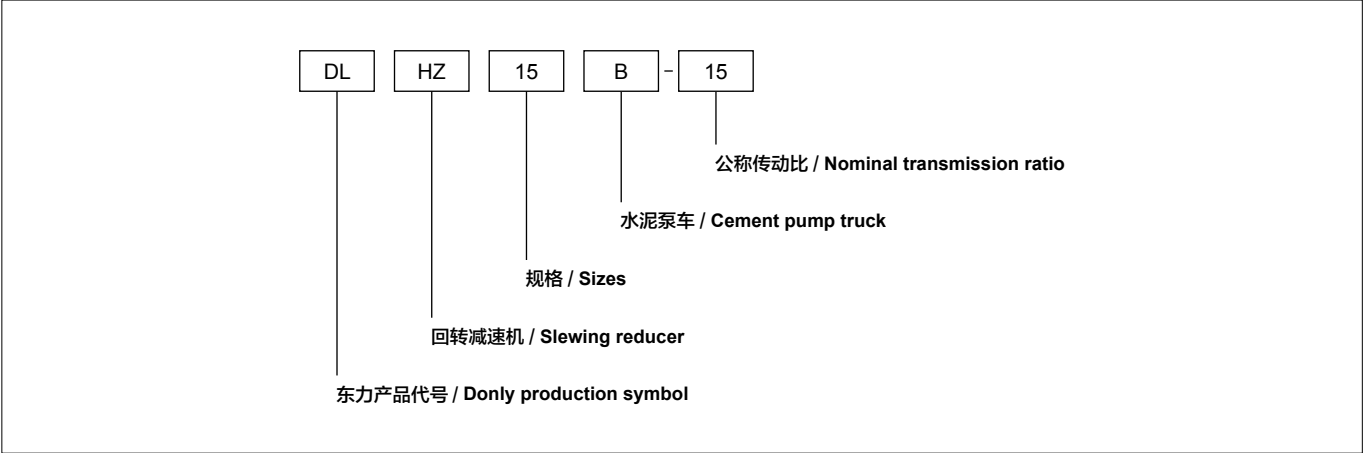
- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

产品说明

Product Description

7.5 产品型号表示

7.5 Product designations



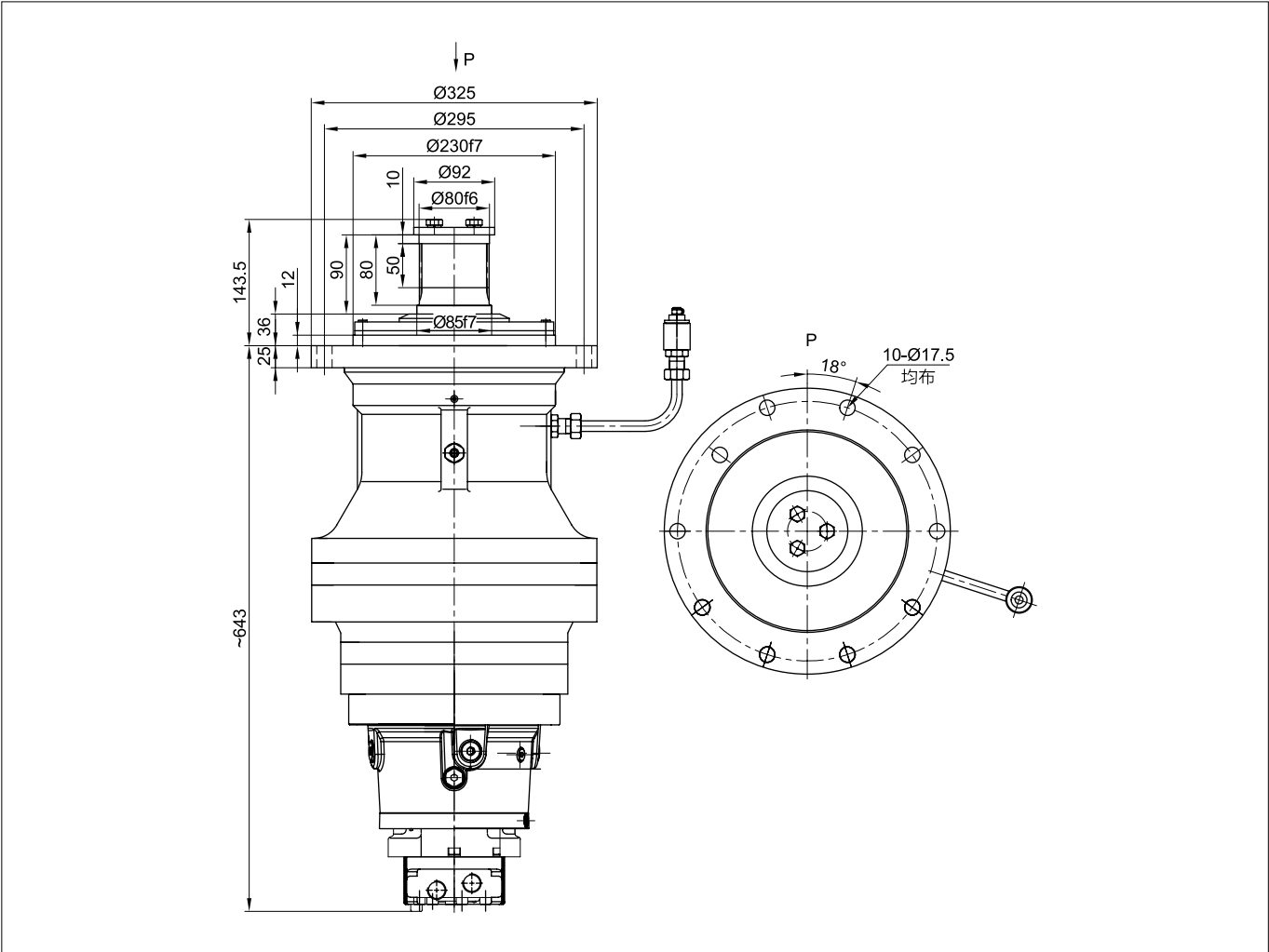
7.6 技术参数表

7.6 Technical parameter table

型号 Model	额定输出扭矩 Nm _{T2N} Rated output torque Nm _{T2N}	减速比 Reduction ratio	输出花键 Output spline	静态制动力矩 Nm Static braking moment Nm	开启压力 bar/ 螺纹 Opening pressure bar/ thread	液压马达 Hydraulic motor
DLHZ15B	15,000	15.2-36.9	B80X74 DIN5482	517±10%	17-27/M12X1.5	FL3.5+MRGV

7.7 外形尺寸

7.7 Outline dimensionss



8. 产品说明

Product Description

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Outline dimensions	

DLJP1000 搅拌机减速机 Gear Units For Concrete Mixer



DONLY

产品说明

Product Description

8.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 1000L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

8.2 主要技术参数

- 扭矩范围：12500Nm。
- 速比范围：22.46。
- 超出范围敬请垂询，可以根据需要进行设计。

8.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

8.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

8.1 Application

- The reducer is used in 1000L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

8.2 Main technical parameters

- Torque range: 12,500Nm.
- Speed ratio range: 22.46.
- Exceeding the scope, please contact us, and we can make customized design according to your needs

8.3 Product features

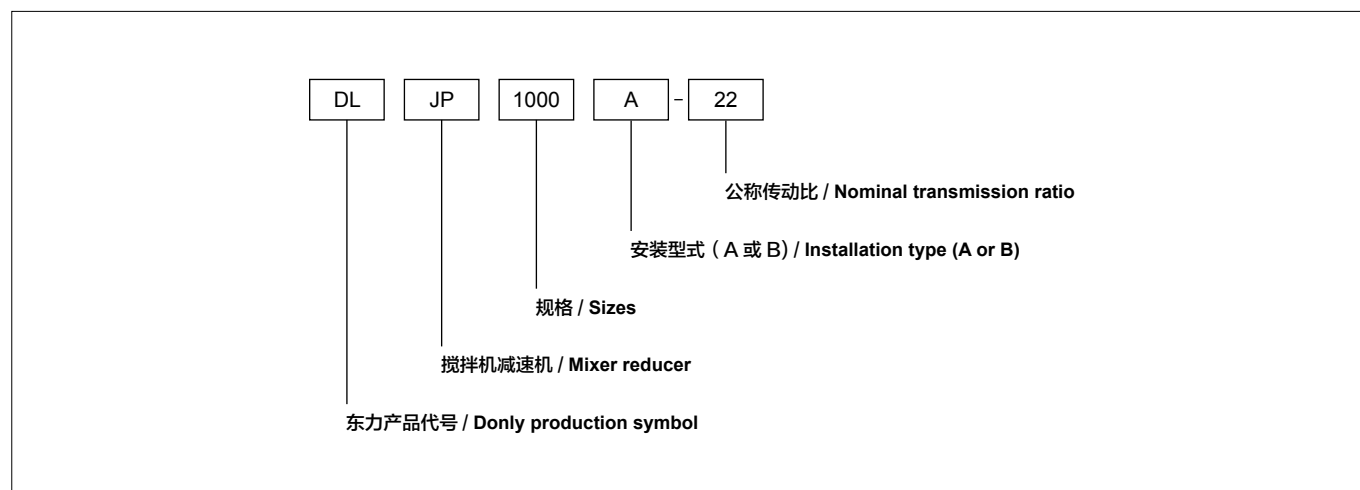
- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

8.4 Description

- The gearteeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

8.5 产品型号表示

8.5 Product designations



8.6 技术参数表

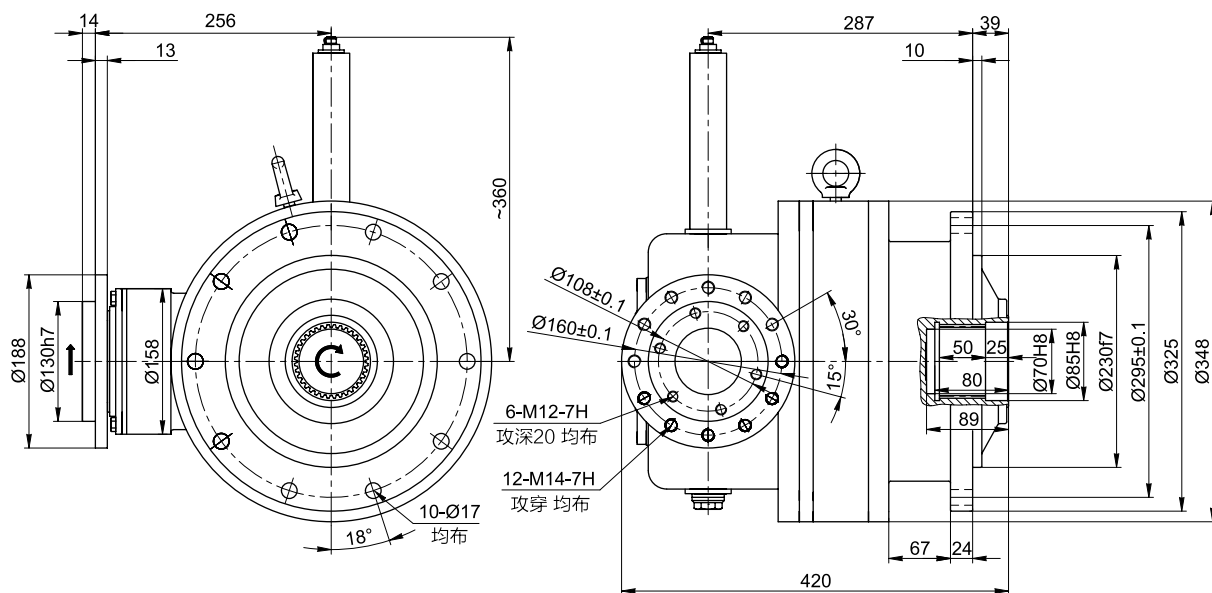
8.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP1000A DLJP1000B	12,500	22.46	6,950	18.5	637	A80X74 DIN5482	162

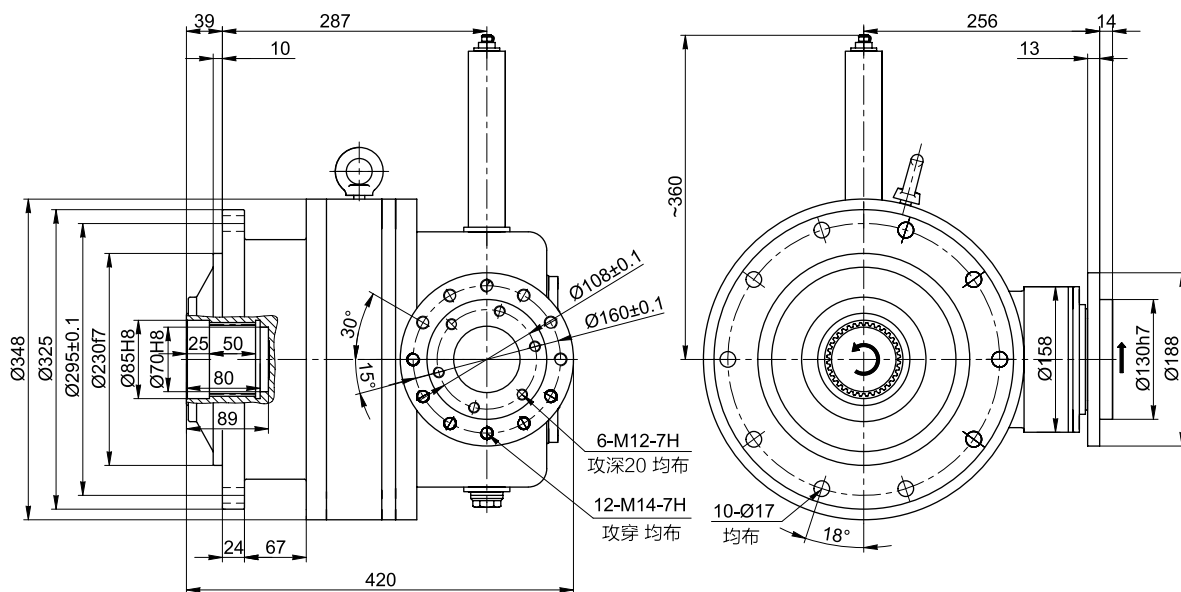
8.7 外形尺寸

8.7 Outline dimensions

DLJP1000A



DLJP1000B



DLJP1500
搅拌机减速机
Gear Units For
Concrete Mixer



9. 产品说明	
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9.6 技术参数表	29
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9.7 外形尺寸	30
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产品说明

9.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 1500L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

9.2 主要技术参数

- 扭矩范围：18500Nm。
- 速比范围：22.46。
- 超出范围敬请垂询，可以根据需要进行设计。

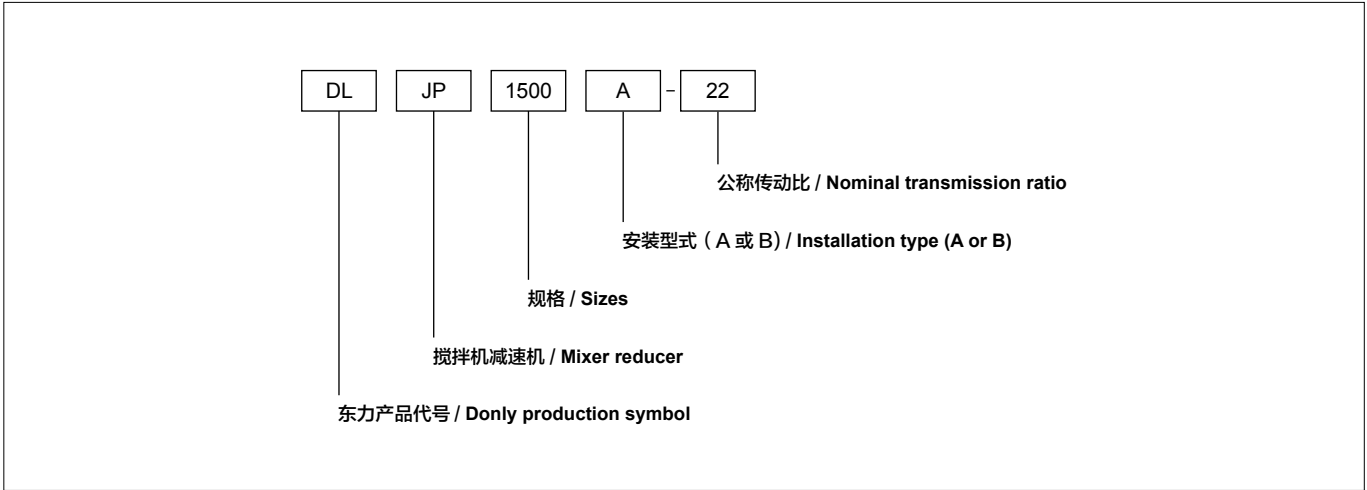
9.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

9.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

9.5 产品型号表示



9.6 技术参数表

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP1500A DLJP1500B	18,500	22.46	10,250	30	637	A80X74 DIN5482	161

Product Description

9.1 Application

- The reducer is used in 1500L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

9.2 Main technical parameters

- Torque range: 18,500Nm.
- Speed ratio range: 22.46.
- Exceeding the scope, please contact us, and we can make customized design according to your needs

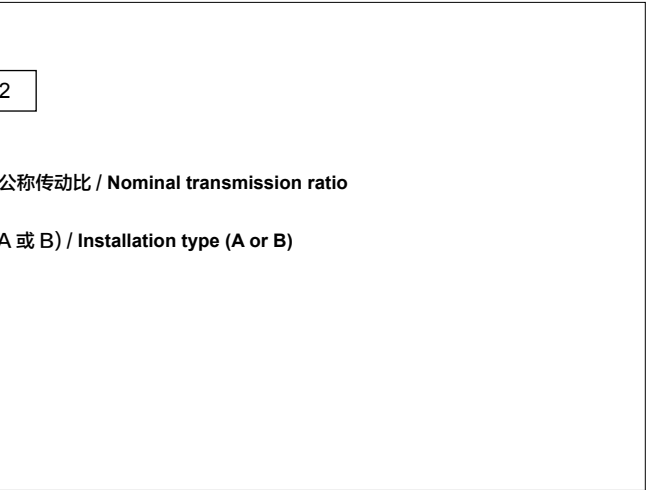
9.3 Product features

- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

9.4 Description

- The gearteeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

9.5 Product designations



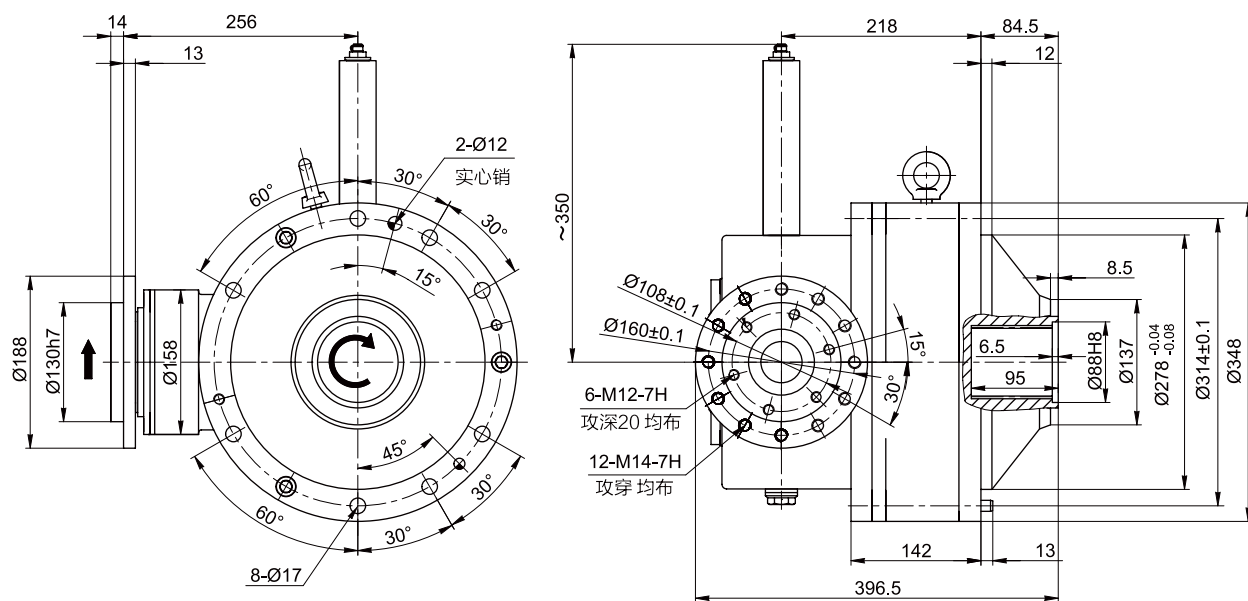
9.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP1500A DLJP1500B	18,500	22.46	10,250	30	637	A80X74 DIN5482	161

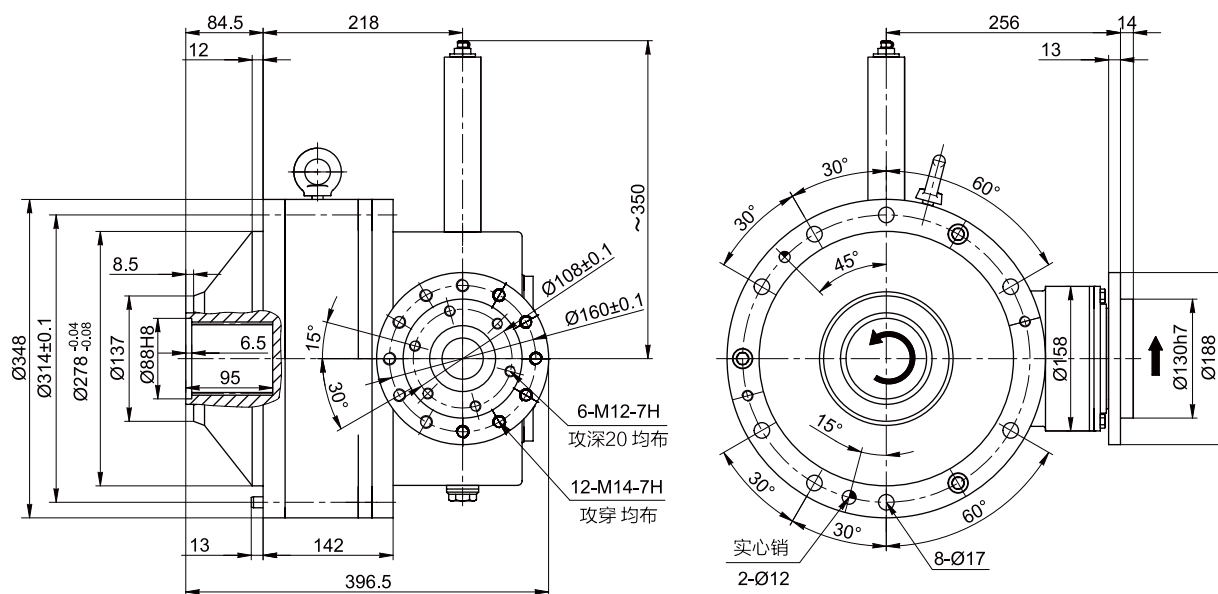
9.7 外形尺寸

9.7 Outline dimensions

DLJP1500A



DLJP1500B



10. 产品说明

Product Description

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10.7 外形尺寸	33
Outline dimensions	

DLJP2000 搅拌机减速机 Gear Units For Concrete Mixer



DONLY

产品说明

Product Description

10.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 2000L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

10.2 主要技术参数

- 扭矩范围：25000Nm。
- 速比范围：24.7。
- 超出范围敬请垂询，可以根据需要进行设计。

10.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

10.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

10.5 产品型号表示

10.1 Application

- The reducer is used in 2000L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

10.2 Main technical parameters

- Torque range: 25,000Nm.
- Speed ratio range: 24.7.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

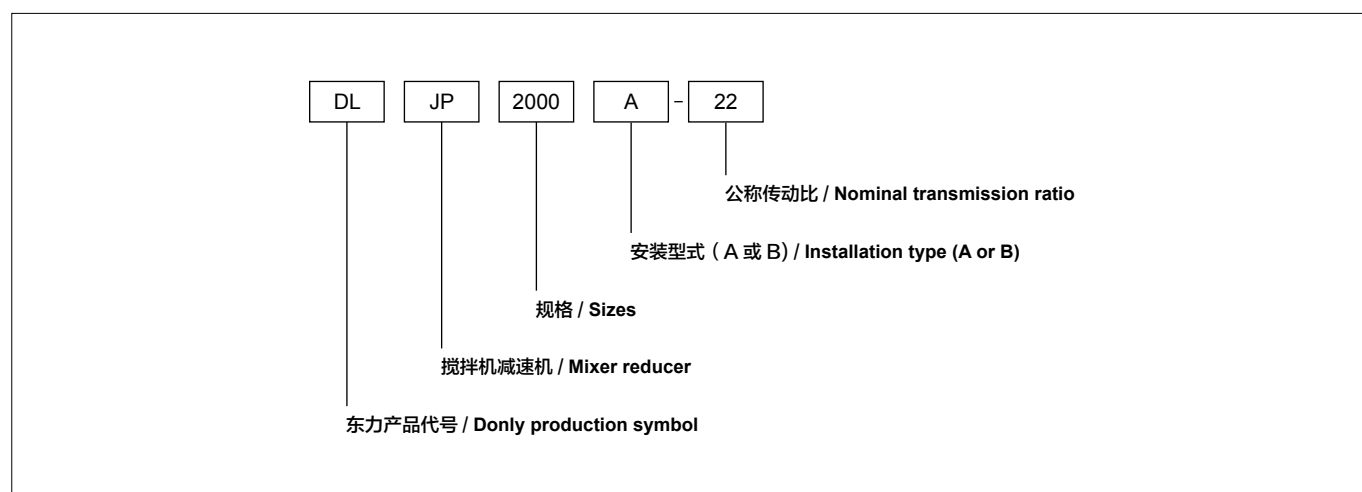
10.3 Product features

- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

10.4 Description

- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

10.5 Product designations



10.6 技术参数表

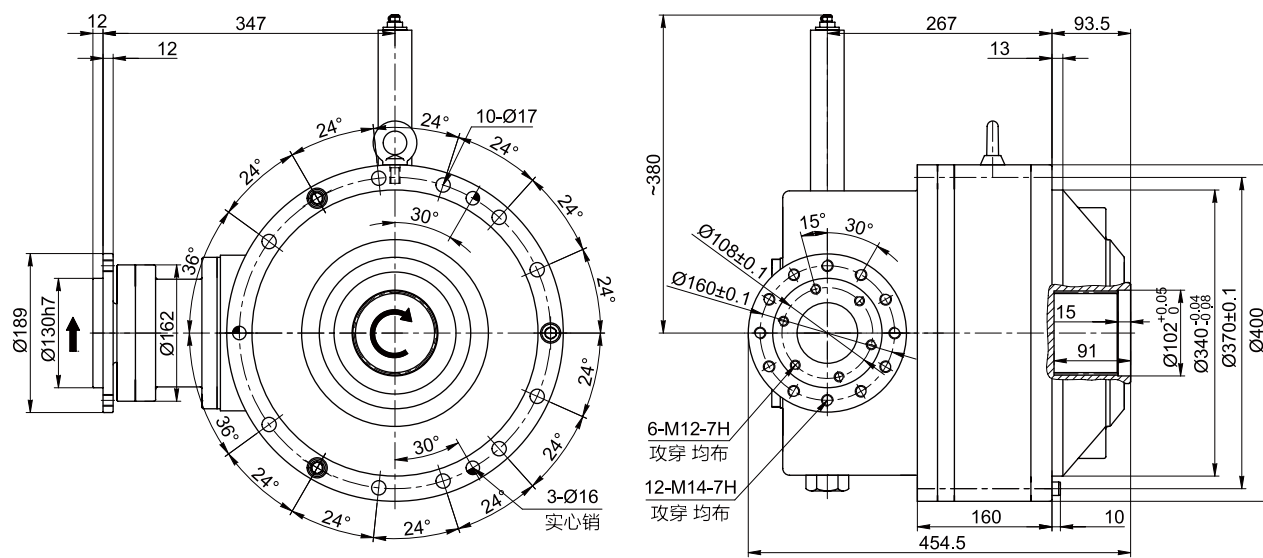
10.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP2000A DLJP2000B	25,000	24.7	13,590	37	650	A100×94 DIN5482	230

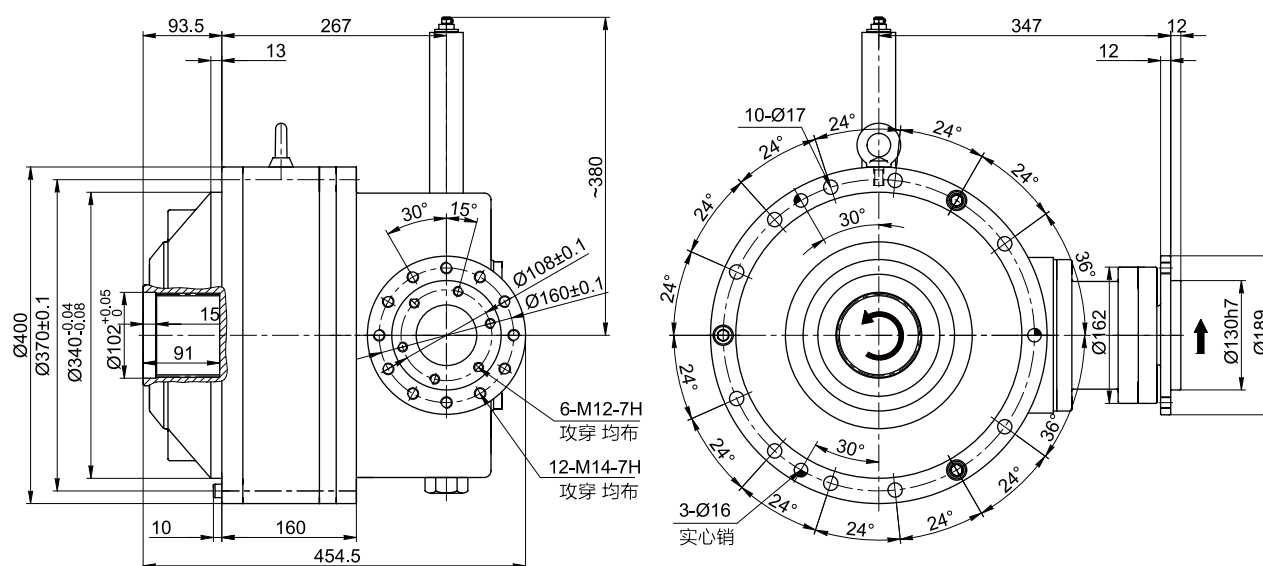
10.7 外形尺寸

10.7 Outline dimensionss

DLJP2000A



DLJP2000B



DLJP3000
搅拌机减速机
Gear Units For
Concrete Mixer



11. 产品说明
Product Description

11.1 应用35
Application

11.2 主要技术参数35
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11.3 产品特点35
Product features

11.4 说明35
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11.5 产品型号表示35
Product designations

11.6 技术参数表35
Technical parameter table

11.7 外形尺寸36
Outline dimensions

产品说明

11.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 3000L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

11.2 主要技术参数

- 扭矩范围：34000Nm。
- 速比范围：26.78。
- 超出范围敬请垂询，可以根据需要进行设计。

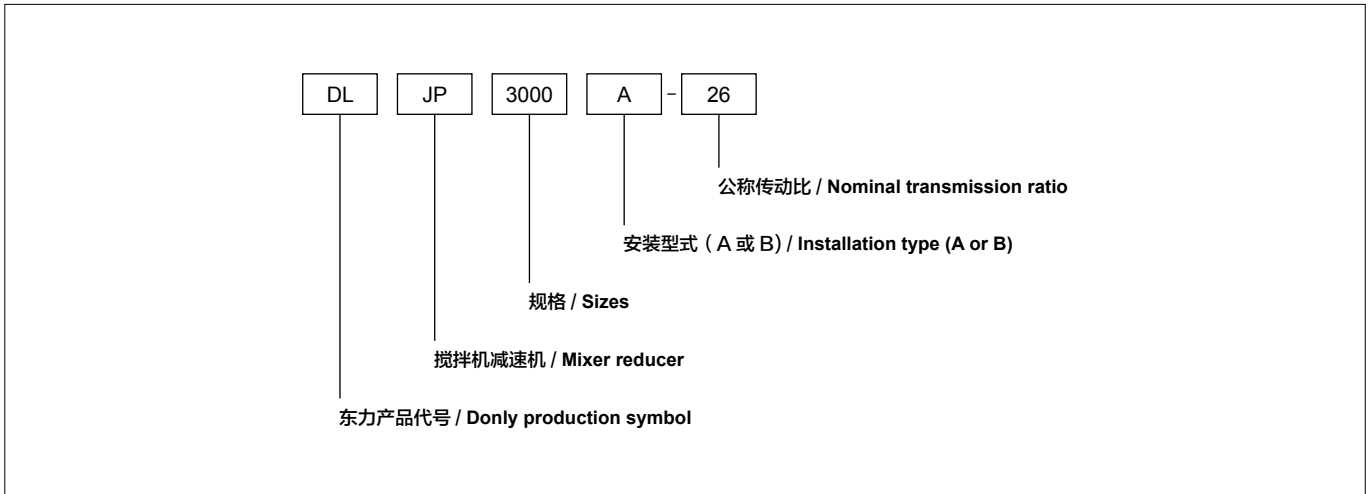
11.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

11.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

11.5 产品型号表示



11.6 技术参数表

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP3000A DLJP3000B	34,000	26.78	20,116	55	705	A100×94 DIN5482	312

Product Description

11.1 Application

- The reducer is used in 3000L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

11.2 Main technical parameters

- Torque range: 34,000Nm.
- Speed ratio range: 26.78.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

11.3 Product features

- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

11.4 Description

- The gearteeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

11.5 Product designations

公称传动比 / Nominal transmission ratio

安装型式 (A 或 B) / Installation type (A or B)

规格 / Sizes

搅拌机减速机 / Mixer reducer

东力产品代号 / Donly production symbol

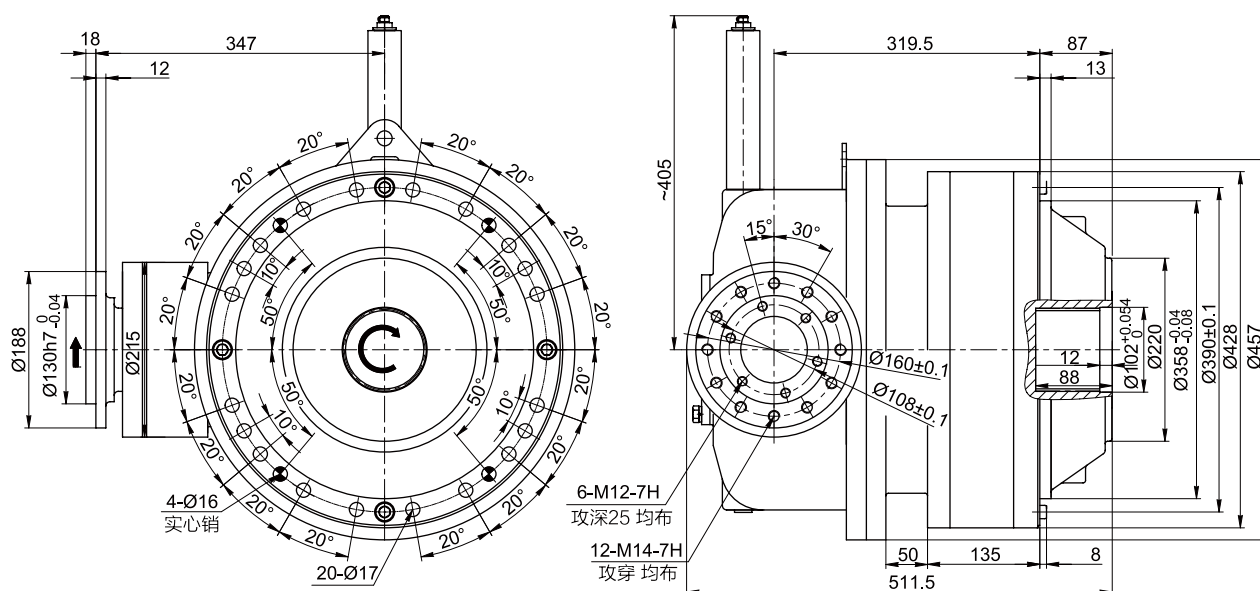
11.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP3000A DLJP3000B	34,000	26.78	20,116	55	705	A100×94 DIN5482	312

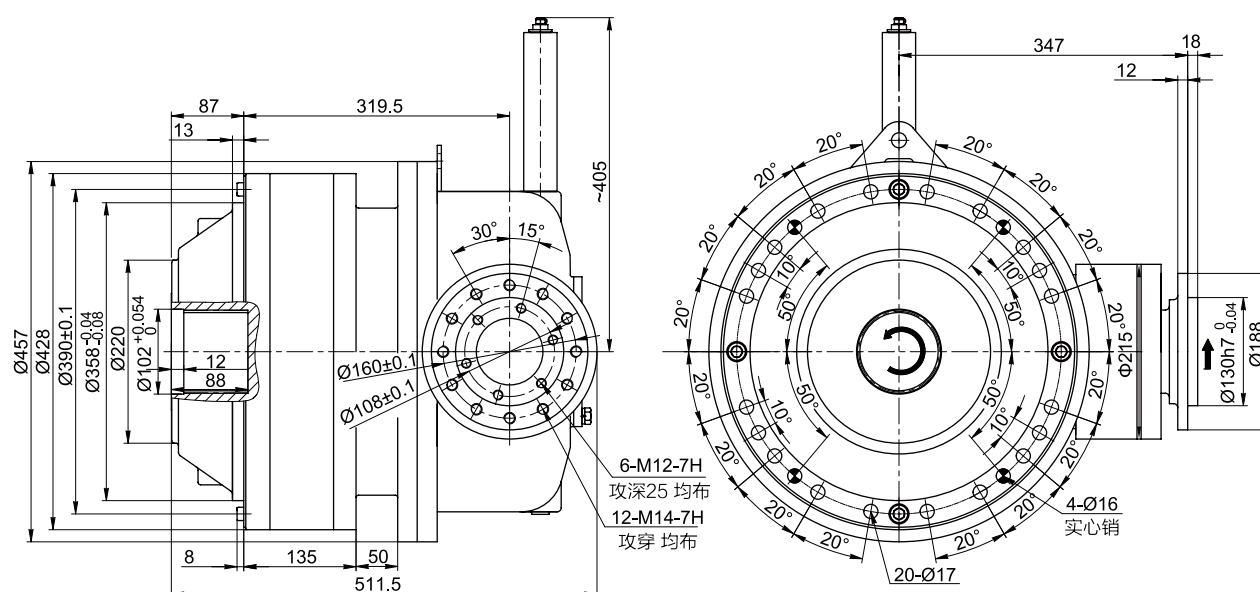
11.7 外形尺寸

11.7 Outline dimensionss

DLJP3000A



DLJP3000B



12. 产品说明

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Outline dimensions	

DLJP4000

搅拌机减速机

Gear Units For

Concrete Mixer



DONLY

产品说明

Product Description

12.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 4000L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

12.1 Application

- The reducer is used in 4000L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

12.2 主要技术参数

- 扭矩范围：46500Nm。
- 速比范围：33.88。
- 超出范围敬请垂询，可以根据需要进行设计。

12.2 Main technical parameters

- Torque range: 46,500Nm.
- Speed ratio range: 33.88.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

12.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

12.3 Product features

- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

12.4 说明

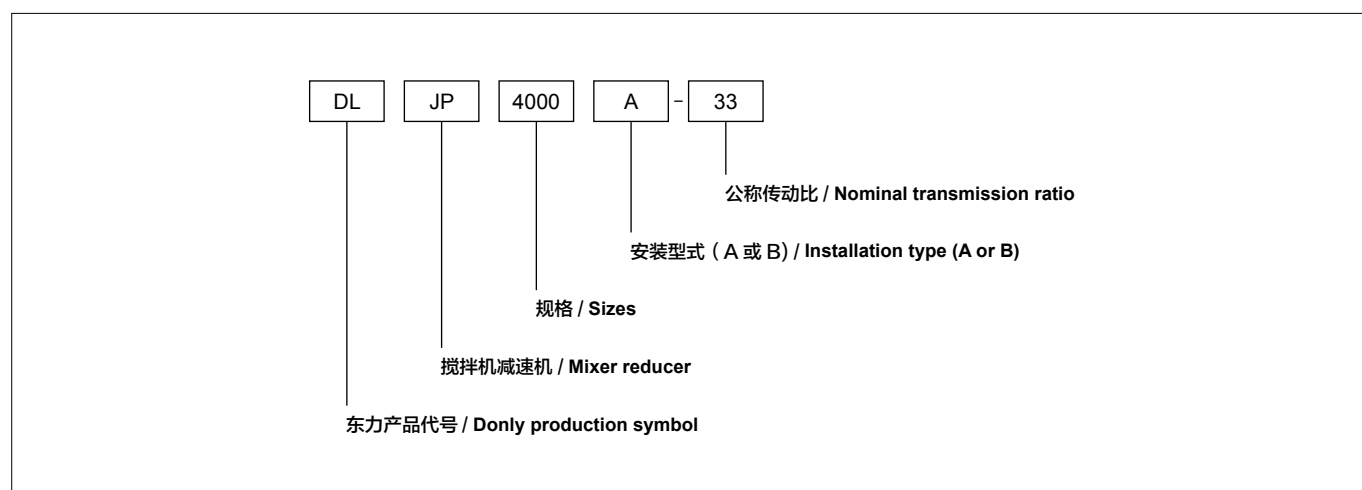
- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

12.4 Description

- The gear teeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

12.5 产品型号表示

12.5 Product designations



12.6 技术参数表

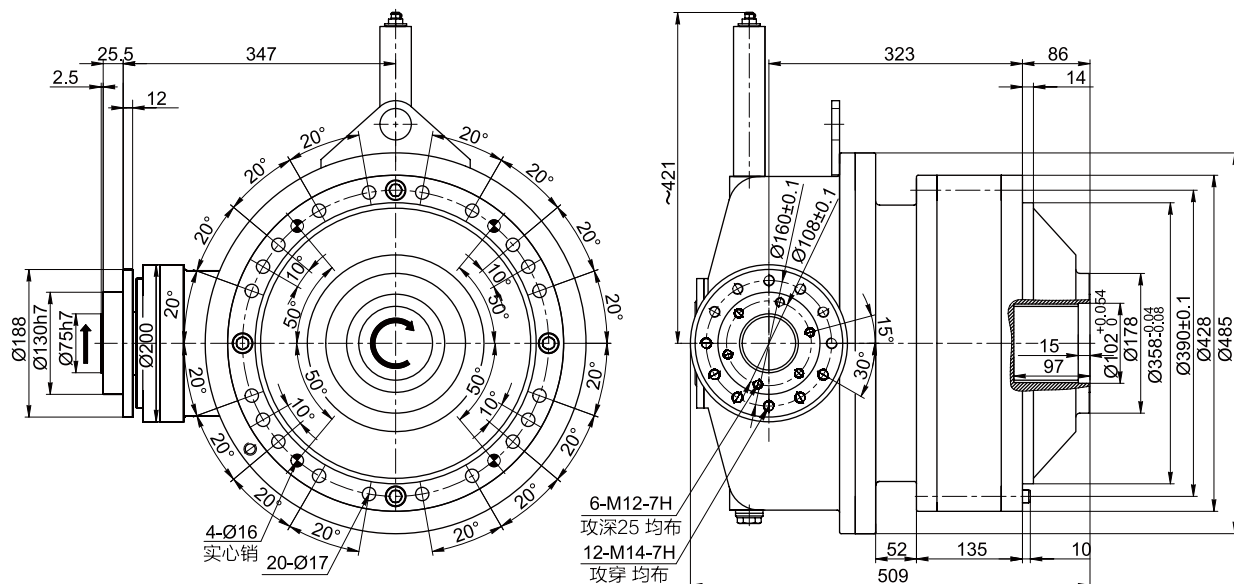
12.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP4000A DLJP4000B	46,500	33.88	25,850	65	815	A100×94 DIN5482	325

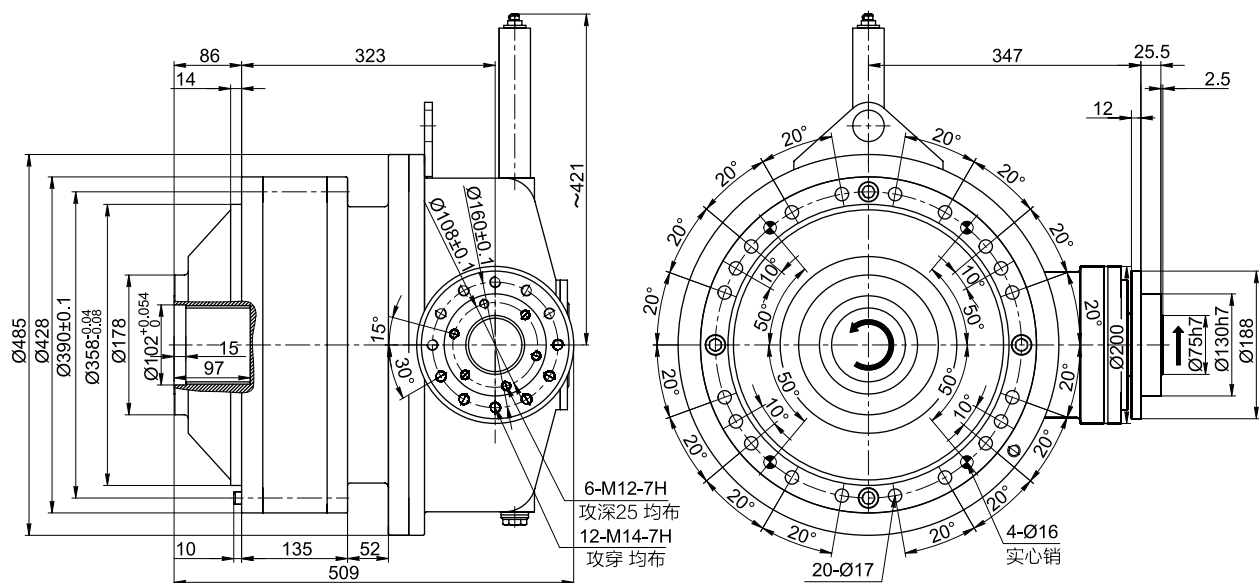
12.7 外形尺寸

12.7 Outline dimensionss

DLJP4000A



DLJP4000B



DLJP5000

搅拌机减速机

Gear Units For Concrete Mixer



13. 产品说明

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DONLY

产品说明

13.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站 5000L 搅拌机。
- 采用螺旋伞齿轮和行星齿轮传动，结构紧凑，能应用安装在空间极端狭小的设备上。

13.2 主要技术参数

- 扭矩范围：65000Nm。
- 速比范围：63.27。
- 超出范围敬请垂询，可以根据需要进行设计。

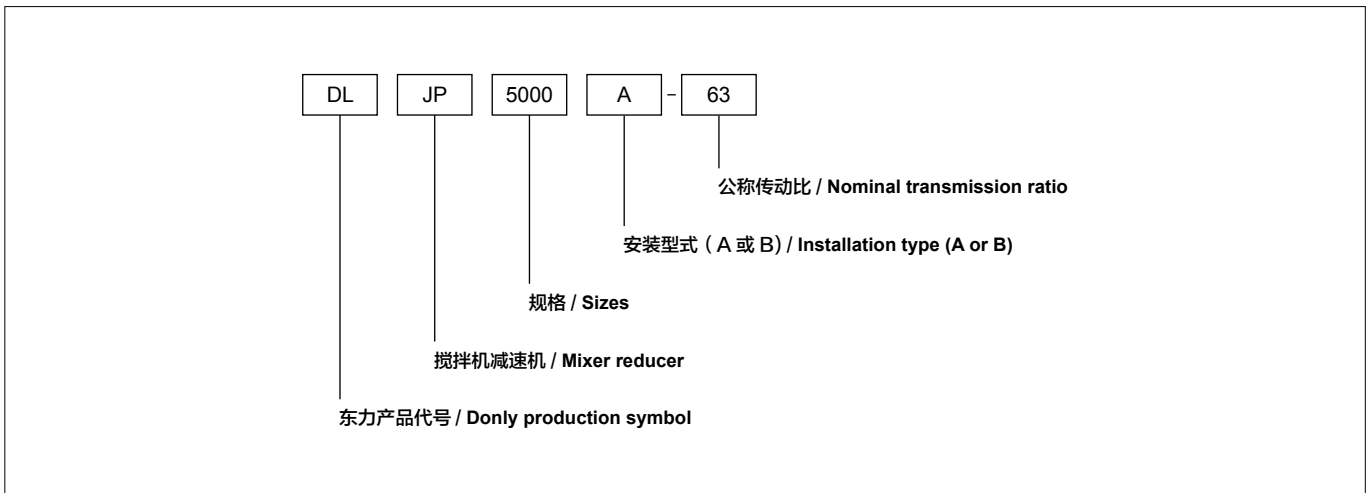
13.3 产品特点

- 螺旋伞齿轮和行星齿轮传动，体积小、扭矩大、效率高、噪音低。
- 法兰连接，加强型设计，刚度增强。
- 内花键输出安装简单，节省空间。
- 优化结构，提高散热性能。

13.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

13.5 产品型号表示



13.6 技术参数表

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输出扭矩 Nm Output torque Nm	电机功率 kW Motor power kW	输入转速 rpm Input speed rpm	输出轴花键 Output shaft spline	重量 kg Weight Kg
DLJP5000A DLJP5000B	65,000	63.27	36,000	75	1276	N120X3X30X38X9H DIN5480	421

Product Description

13.1 Application

- The reducer is used in 5000L mixer of various commercial concrete mixing station such as cement or asphalt in construction industry.
- It adopts spiral bevel gear and planetary gear, compact structure, and can be installed on equipment with extremely narrow space.

13.2 Main technical parameters

- Torque range: 65,000Nm.
- Speed ratio range: 63.27.
- Exceeding the scope, please contact us, and we can make customized design according to your needs.

13.3 Product features

- Spiral bevel gear and planetary gear transmission, small volume, large torque, high efficiency and low noise.
- Flange connection, reinforced design and enhanced stiffness.
- Internal spline output is easy to install and saves space.
- Optimize the structure and improve the heat dissipation performance.

13.4 Description

- The gearteeth and bearings will be splash lubricated.
- Except for regular oil changes the drive units do not require maintenance, changing the oil is done very easily.
- The oil brand must be according with the recommended listed in the manual.
- The change interval is with the work condition which is specified in the instruction.

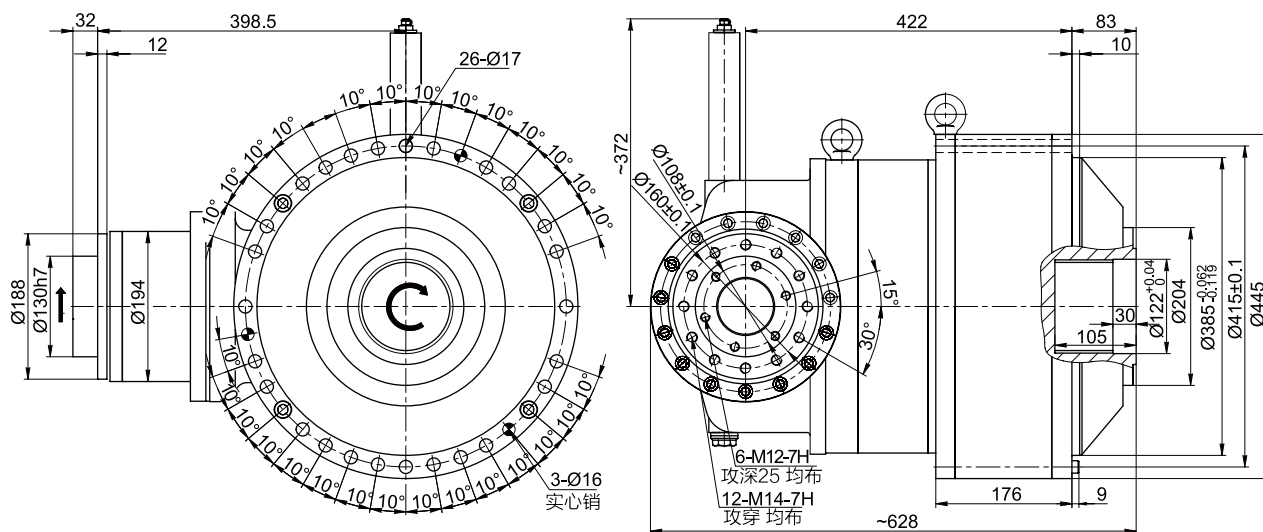
13.5 Product designations

13.6 Technical parameter table

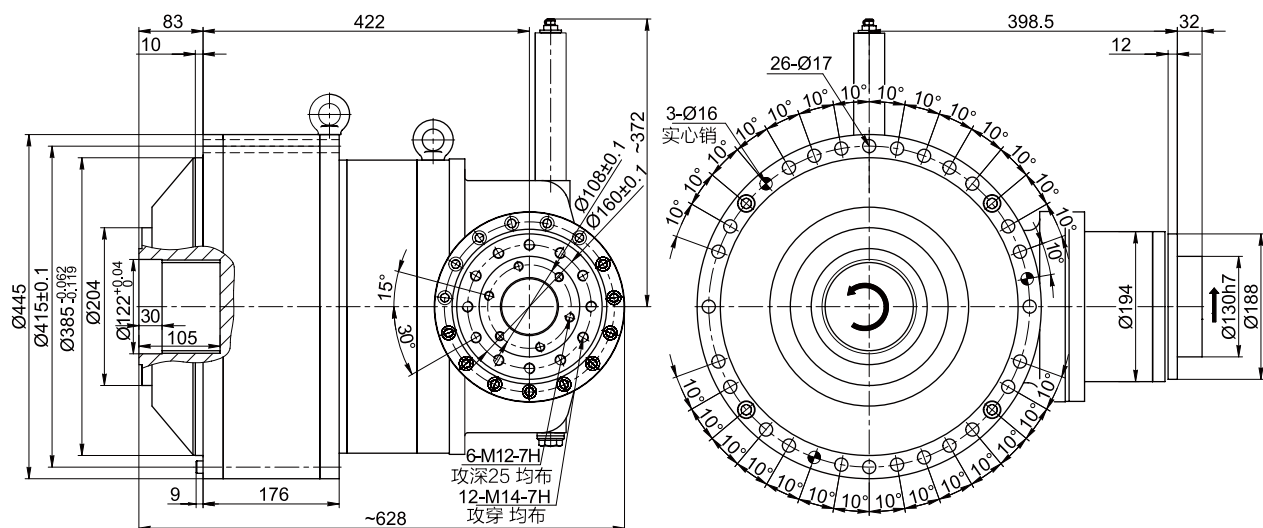
13.7 外形尺寸

13.7 Outline dimensions

DLJP5000A



DLJP5000B



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Outline dimensions	

DLZJY

斜皮带输送减速机

Gear Units For

Inclined Belt Conveyor



DONLY

产品说明

Product Description

14.1 应用

- 减速机应用于建筑行业水泥或沥青等各种商品混凝土搅拌站输送设备中。

14.2 主要技术参数

- 矩范围：16500-27000Nm。
- 速比范围：10。
- 超出范围敬请垂询，可以根据需要进行设计。

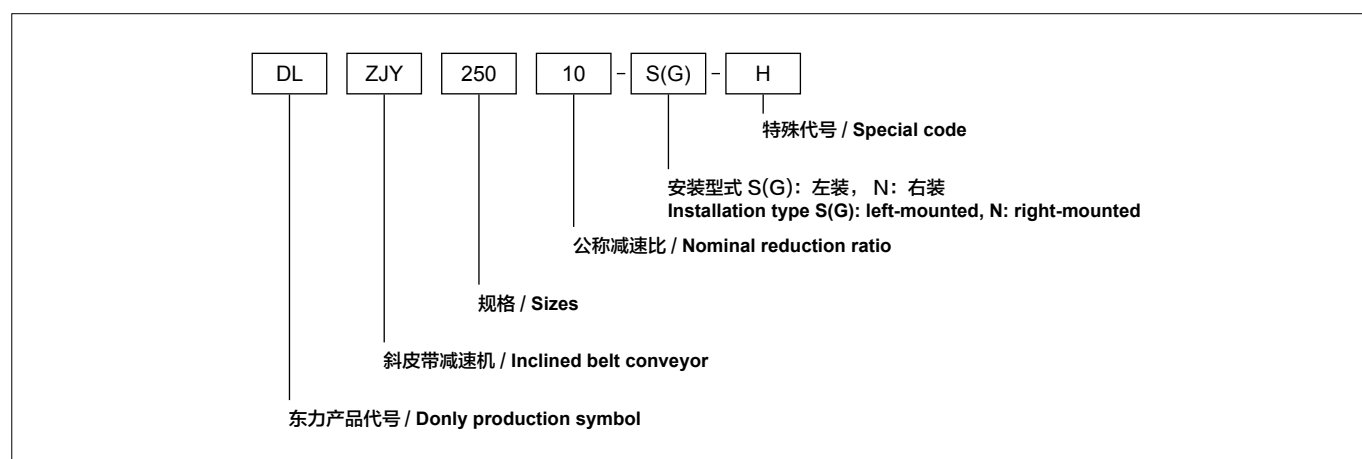
14.3 产品特点

- 圆柱齿轮传动，体积小、扭矩大、效率高、噪音低。
- 悬挂式安装，加强型箱体设计，刚度增强，外形美观。
- 内置式逆止器，安装简单、维护方便。
- 空心轴输出安装简单，节省空间。
- 低油位，降低漏油风险。

14.4 说明

- 齿轮和轴承采用浸油润滑。
- 除定期换油外，减速机无须保养，换油非常方便。
- 换油时必须使用说明书中规定的专用油牌号。
- 对于相应使用工况所必需的换油周期，同时规定于说明书中。

14.5 产品型号表示



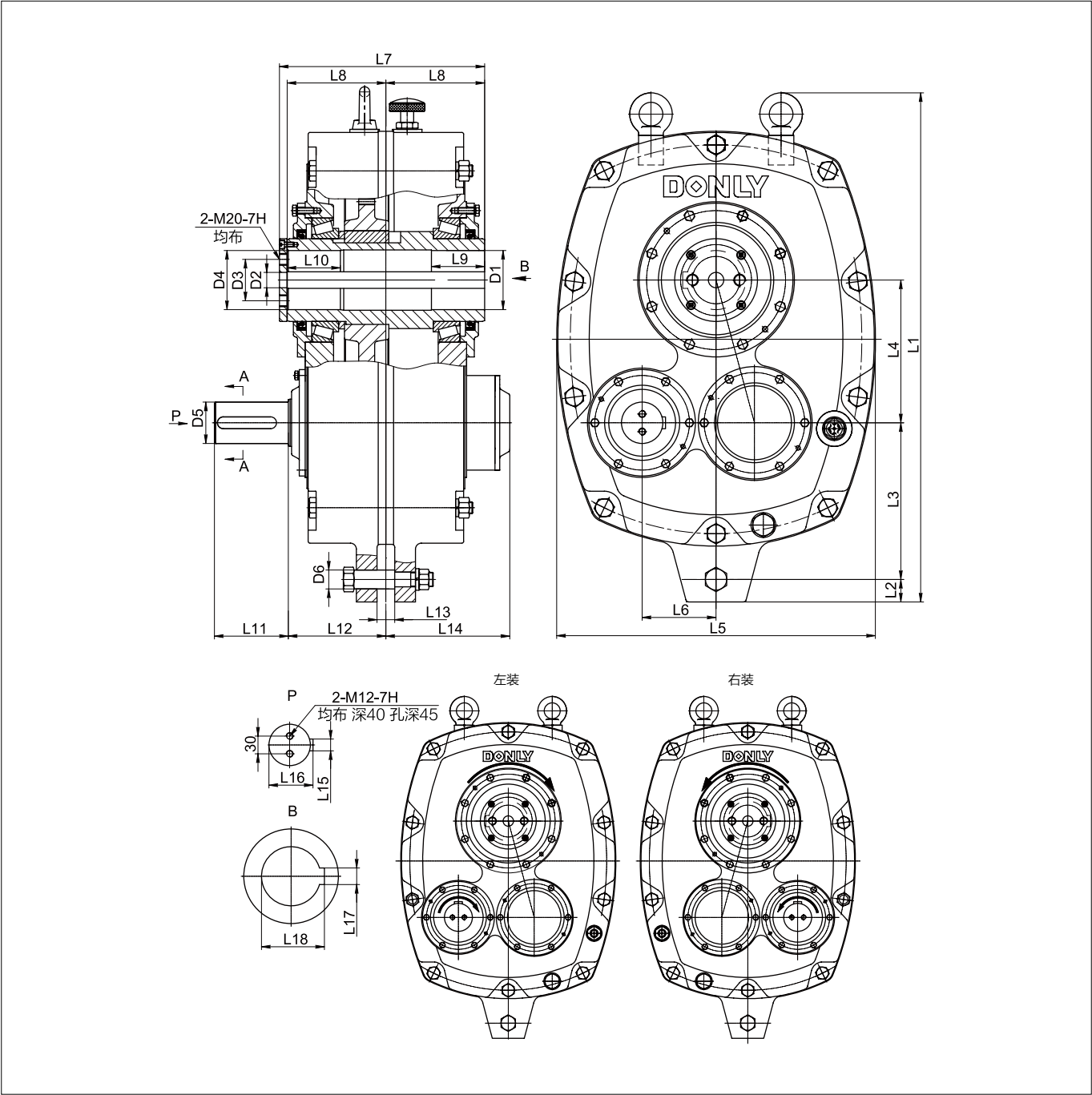
14.6 技术参数表

14.6 Technical parameter table

型号 Model	额定输出扭矩 NmT _{2N} Rated output torque NmT _{2N}	减速比 Reduction ratio	输入功率 kW Input power kW	输入转速 rpm Input speed rpm	安装位置 Installation position
DLZJY250-10-S(G)-H	16,500	10	55	691	左装 Left-mounted
DLZJY250-10-N-H	16,500	10	55	691	右装 Right-mounted
DLZJY300-10-S(G)	27,000	10	75	705	左装 Left-mounted
DLZJY300-10-N	27,000	10	75	705	右装 Right-mounted
DLZJY300-10-S(G)-H	27,000	10	75	705	左装 Left-mounted
DLZJY300-10-N-H	27,000	10	75	705	右装 Right-mounted

14.7 外形尺寸

14.7 Outline dimensions



型号 Model	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6
DLZJY250-10-S(G)-H DLZJY250-10-N-H	100H7	26	70	100H7	70 ^{+0.035} _{+0.015}	32h6	868	38	265	241.407	539	125
DLZJY300-10-S(G) DLZJY300-10-N	120H7	32	90	120H7	65 ^{+0.035} _{+0.015}	32h6	1010	38	285	288.576	660	130
DLZJY300-10-S(G)-H DLZJY300-10-N-H	120H7	32	90	120H7	75 ^{+0.035} _{+0.015}	32h6	1010	38	285	288.576	660	130

型号 Model	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18
DLZJY250-10-S(G)-H DLZJY250-10-N-H	347	167	90	90	125	165	30	210	20h8	74.5 ⁰ _{-0.2}	28JS9	106.4 ^{+0.2} ₀
DLZJY300-10-S(G) DLZJY300-10-N	344	164	90	90	140	182	30	215	18h8	69 ⁰ _{-0.2}	32JS9	127.4 ^{+0.2} ₀
DLZJY300-10-S(G)-H DLZJY300-10-N-H	344	164	90	90	140	182	30	215	20h8	79.5 ⁰ _{-0.2}	32JS9	127.4 ^{+0.2} ₀

产品说明

Product Description

附表 1:

机构工作级别和机构利用等级 : 按 FEM 第 1 部分, 第 3 版, 1987 (FEM: 欧盟标准)

Table 1:

Driver groups and service time: categories to FEM, section 1,3rd version 1987(FEM: federation europeenn de la manutmtion)

机构利用等级 Service time category				T2	T3	T4	T5	T6	T7	T8
假定每天平均工作时间小时 Assumed average service time per day in hours				0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	>16
理论工作寿命小时 Theoretic service time per day in hours				400-500	800-1600	1600-3200	3200-6300	6300-12500	12500-25000	25000-50000
载荷状态分级 Load Class				机构工作级别及系数 K Driver Groups with K Factor						
载荷状态组 Collective groups	L1	轻 Light	偶尔承受最大载荷 经常承受轻的载荷 Maximum loads occurring in exceptional cases only, slight loads constantly.	M1 0.90	M2 0.90	M3 0.90	M4 0.90	M5 0.95	M6 1.05	M7 1.2
	L2	中 Medium	工作时间内轻、中和最大载荷分布平均 Light, medium and maximum loads about equally distributed over service time	M2 0.90	M3 0.95	M4 0.95	M5 1	M6 1.15	M7 1.30	M8 1.50
	L3	重 Heavy	经常承受接近最大的载荷 Loads always near maximum	M3 1.05	M4 1.05	M5 1.10	M6 1.25	M7 1.40	M8 1.60	M8 1.80
	L4	特重 Very heavy	经常承受最大载荷 Always maximum loads	M4 1.25	M5 1.30	M6 1.45	M7 1.65	M8 1.85	M8 2.10	M8 2.40

产品说明

Product Description

附表 2:

机构分级示例参见 FEM 第 1 部分, 第 3 版表 T.2.1.3.5

Table 2:

Classifications examples see FEM section 1, 3rd edition table T.2.1.3.5

起重机类型 (名称) Type of crane (Designation)	工作元件 Component operated (1)	机构类型 Type of driver				
		起升 Hoisting	回转 Swinging	变幅 Level	小车运行 trolley	大车运行 Crane
安装用起重机 Erection cranes		M2-M3	M2-M3	M1-M2	M1-M2	M2-M3
桥式起重机 Loading bridges	吊钩 Hook	M5-M6	M4		M4-M5	M5-M6
桥式起重机 Loading bridges	抓斗或磁铁 Grab or magnet	M7-M8	M6		M6-M7	M7-M8
车间用起重机 Workshop cranes		M6	M4		M4	M5
天车, 旁挂起重机, 废钢场起重机 Overhead travelling cranes, ram cranes, scrap yard cranes	抓斗或磁铁 Grab or magnet	M8	M6		M6-M7	M7-M8
卸料桥, 集装箱门式起重机 Unloading bridges, container gantry cranes	吊钩或磁铁 Hook or spreader	M6-M7	M5-M6	M3-M4	M6-M7	M4-M5
其它门式起重机 (带小车和 / 或转台) Other gantry cranes (with trolley and / or live ring)	吊钩 Hook	M4-M5	M4-M5		M4-M5	M4-M5
卸料桥, 集装箱门式起重机 (带小车和 / 或转台) Unloading bridges, container gantry cranes (with trolley and / or live ring)	抓斗或磁铁 Grab or magnet	M8	M5-M6	M3-M4	M7-M8	M4-M5
船台起重机, 船坞起重机, 拆卸用起重机 Berth cranes, shipyard cranes, dismantling cranes	吊钩 Hook	M5-M6	M4-M5	M4-M5	M4-M5	M5-M6
港口起重机 (可转动, 门式) 浮式起重机, 浮式起重架 Dockside cranes (slewing, gantry type) floating cranes, floating sheer legs	吊钩 Hook	M6-M7	M5-M6	M5-M6		M3-M4
港口起重机 (可转动, 门式) 浮式起重机, 浮式起重架 Dockside cranes (slewing, gantry type) floating cranes, floating sheer legs	抓斗或磁铁 Grab or magnet	M7-M8	M6-M7	M6-M7		M4-M5
浮式起重机和浮式起重架 用于非常高的负荷 (一般在 100t 以上) Floating cranes and floating sheerlegs for very high loads (normally above 100t)		M3-M4	M3-M4	M3-M4		-
甲板起重机 Shipboard cranes	吊钩 Hook	M4	M3-M4	M3-M4	M2	M3
甲板起重机 Shipboard cranes	抓斗或磁铁 Grab or magnet	M5-M6	M3-M4	M3-M4	M4-M5	M3-M4
塔式起重机用于建筑工地 Tower cranes for construction sites		M4	M5	M4	M3	M3
门式塔架 Derrick tower gantry		M2-M3	M1-M2	M1-M2		-
铁路起重机, 批准用于铁路维修 Railroad cranes for construction sites		M3-M4	M2-M3	M2-M3		-
车辆起重机 Vehicle-mounted crane	吊钩 Hook	M3-M4	M3-M4	M2-M3	-	-

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