

-BLD.XLD立式摆线针轮减速机速比齐全

产品名称	-BLD.XLD立式摆线针轮减速机速比齐全
公司名称	常州卡蒙机械有限公司
价格	6580.00/个
规格参数	加工定制:是 类别:行星减速机 齿轮类型:针轮减速机
公司地址	武进区湖塘镇夏城南路208号高力·常州国际汽车博览城C1幢410号
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产品详情

摆线针轮减速机的结构原理

摆线针轮减速机是采用k-h-v少齿差行星式传动原理及摆线针齿啮合的新颖传动机械。广泛应用于纺织印染、轻工食品、冶金矿山、石油化工、起重运输及工程机械等领域中的驱动和减速装置。

本厂生产的摆线针轮减速机质量优良、性能可靠、规格齐全、价格合理.

行星摆线针轮减速机全部传动装置可分为三部分：输入部分、减速部分、输出部分。

在输入轴上装有一个错位180°的双偏心套，在偏心套上装有两个滚柱轴承，形成h机构，两个摆线轮的中心孔即为偏心套上转臂轴承的滚道，并由摆线轮与针齿轮上一组环形排列的针齿轮相啮合，以组成少齿差内啮合减速机构，（为了减少摩擦，在速比小的减速机中，针齿上带有针齿套）。

1、机型 b、 x系列

按传动比分为:一、二、三级减速机。

一级有：b09.b0.b1.b2.b3.b4.b5.b6.b7.b8.b9

b12.b15.b18.b22.b27.b33.b39.b45.b55.b65

b120.b150.b180.b220.b270.b330.b390.b450.b550.b650.

x1.x2.x3.x4.x5.x6.x7.x8.x9.x10.x11.x12

两级有：b10.b20.b30.b31.b41.b42.b52.b53.b63.b74.b84.b85.b95

x42.x53.x63.x64.x74.x84.x85.x95.x106.x117.x128

三级有：b3109.b420.b531.b631.b741.b852.b953

2、传动比：

一级：7. 9. 11. 13. 15. 17. 19. 23. 29. 35. 39. 43. 47. 59. 71. 87

两级：99.121.187.289.391.473.493.595.649.731.841.1003.1225.1505.

1849.2065.2537.3045.3481.5133.7569

三级：5841~658503

3、结构：立式、卧式、双轴型、直联型

摆线针轮减速机的型号：

1) b系列摆线针轮减速机

bw脚板式卧装双轴摆线针轮减速机

bl法兰式立装双轴摆线针轮减速机

bwy脚板卧装专用电动机直联型摆线针轮减速机

bly法兰式立装专用电动机直联型摆线针轮减速机

bwd脚板式卧装普通电动机直联型摆线针轮减速机

bld法兰式立装普通电动机直联型摆线针轮减速机

2) x系列摆线针轮减速机

xw脚板式卧装双轴摆线针轮减速机

xl法兰式立装双轴摆线针轮减速机

xwd脚板式卧装普通电动机直联型摆线针轮减速机

xld法兰式立装普通电动机直联型摆线针轮减速机

xwd脚板式卧装普通电动机直联型摆线针轮减速机

xly法兰式立装专用电动机直联型摆线针轮减速机

3) 8000系列行星摆线针轮减速机

8000系列xw、xwd型摆线针轮减速机

8000系列xl、xld型摆线针轮减速机

8000系列xwe、xwed型摆线针轮减速机

8000系列xle、xled型摆线针轮减速机

cycloidal pin wheel speed reducer is a novelty transmission machinery. it adapts k-h-v less differential gear epicyclic transmission principle and cycloidal pinwheel meshing. it is widely used for driving and slowing down device in the fields of textile, printing and dyeing, light industry, foodstuff, metallurgy, mines, petroleum, chemical, hoisting and transport as well as engineering machinery, etc.

the cycloidal pinwheel speed reducer produced by this factory is good in quality, reliable in performance, various specification, reasonable price and has won the title of quality product authorized by ministry of machine building and jiangsu province.

all transmission device of epicyclic cycloidal pinwheel speed reducer can be divided into three parts: input part, slowing down part and output part.

the input shaft is installed a dislocation 180° double eccentric locking collar that is installed two roller bearings. it forms h mechanism. the central hole of two cycloidal wheels is just the roller table of tumbler bearing at eccentric locking collar. meanwhile it is meshed with one group of pin wheel arranged in ring shape at cycloidal wheel and pin wheel in order to consist of less differential gear inner meshing speed-down mechanism (in order to reduce friction, the pin tooth has sleeve of pin tooth at speed reducer with small speed ratio). 。

when input shaft brings eccentric locking collar to rotate one cycle, because of the characteristic of tooth profile curve at cycloidal wheel as well as it is limited by up pin tooth of pin wheel, the motion of cycloidal wheel becomes a plane motion with revolution and rotation. when the input shaft rotates clockwise one cycle, the eccentric locking collar rotates one cycle too. the cycloidal wheel will rotate one differential gear at opposite direction and the speed-down can be got. by means of w output mechanism, the low velocity rotation motion of cycloidal wheel will transmit to output shaft through axis pin and lower output velocity can be got.

main characteristic

一、 high speed ratio and efficiency

single stage transmission can reach to 1:87 of speed-down ratio and the efficiency is more than 90%. if use multi-speed drive the speed-down ratio is bigger.

二、 compact

being adapted epicyclic transmission principle, the input and output shaft are at same axis center, it is compact.

三、 smooth and stable run and low noise

the cycloidal pinwheel has more meshed teeth, the overlapping coefficient is big and the machine part is stable, the vibration and noise is limited at the minimum content.

四、reliable in operation and long life

because the main parts are made of bearing steel through quenching treatment (hrc58-62) , it got high strength.
meanwhile the transmission contact of part adapts rolling friction, so it is durable and long life.

because of reasonable in design, convenient in maintenance, easy to disassemble and assemble, the minimum amount
of part and simple lubrication, so it is trusted by customers deeply.

detailed parameter:

output speed(rpm)	11-167
output torque(nm)	80-22000
power(kw)	0.18-55

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本产品的加工定制是是，类别是行星减速机，齿轮类型是针轮减速机，安装形式是立式，布局形式是摆线式，齿面硬度是硬齿面，用途是减速机，品牌是卡蒙，型号是bld.xld，输入转速是1000-1500（rpm），额定功率是0.25-55（kw），输出转速范围是11-136（rpm），许用扭矩是48.3-22920（n.m），使用范围是升降机，级数是单级，减速比是13