

WORM GEAR REDUCER

Features

In order to meet the needs of various industrial applications, developed a series of worm gear reducers that matched international standards. With quality raw materials, experienced heat treatment as well as state of the art CNC precision grinding of the teeth of worm shafts, we can ensure smooth and efficient turning as well as long service life. Very quiet and compact. Light weight and elegant appearance. We trust it can contribute a lot to your operations.

How to choose

To choose the right worm gear speed reducers, please check the following parameters :-

1. rpm of the input shaft : when driven with shaft coupling or belt, the maximum rpm can up to 2000. However, rpm from 600 - 800 is recommended.
2. rpm of the output shaft : it can be calculated by the rpm of the input shaft and the speed reduction ratio.

$$\text{rpm of output shaft} = \text{rpm of input shaft} \times \text{speed reduction ratio.}$$

Special attention should be given when very low speed is required due to lower efficiency and torque. It is also more difficult for the gear to be properly lubricated.

Housing :

Great rigidity for capable of sustaining severe impacts was obtained by one time casting. Good-looking appearance equipped with cooling fins, which combine with quality lubricating oil, allows good heat dissipation.

Bearings :

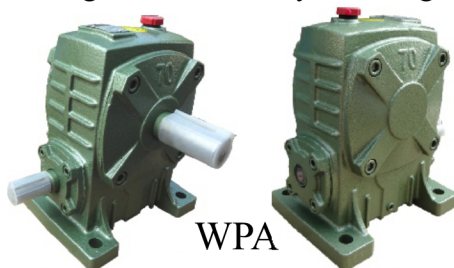
Applying high rigidity ball bearing and tapered roller bearings enable the unit to sustain both horizontal and vertical (lateral and axial) loads to the highest degree.

Worm shaft :

The worm shaft is made by one solid piece of carbon alloyed steel.

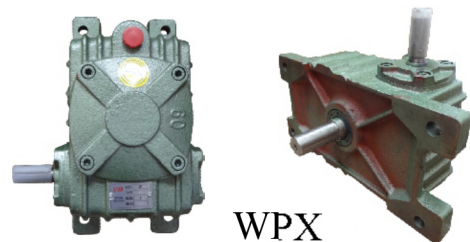
Worm gear :

Worm gear are made by special high strength bronze alloy. The teeth are cut by precision CNC Hobbing Machines. They are designed to sustain high impact.



WPA

Size :
50 -120



WPX

Ratio	1:10	1:20	1:30	1:40	1:50	1:60
WPA-50	880902031	880902034	880902032	880902035	880902036	880902033
WPA-60	880902007	880902008	880902009	880902010	880902011	880902012
WPA-70	880902013	880902014	880902015	880902016	880902017	880902018
WPA-80	880902019	880902020	880902021	880902022	880902023	880902024
WPA-100	880902037	880902038	880902039	880902040	880902041	880902042
WPA-120	880902043	880902044	880902045	880902046	880902047	880902048
WPX-60	880902025	880902049	880902027	880902050	880902029	880902030
WPX-70	880902051	880902052	880902053	880902054	880902055	880902056
WPX-80	880902057	880902058	880902059	880902060	880902061	880902062
WPX-120	880902063	880902064	880902065	880902066	880902067	880902068

***Product's specification may subject to change without further notice.

***Actual product may slightly differ from pictures shown.