Gx series Cardan joint (Hooke's joint) systems

Description:

Cardan joint (Hooke's joint) systems are combinations of multi-rotation joints to offer capability of objects fixed on top table rotating around X-axis,Y-axis or Z-axis separately.Gx series motorized Cardan joint systems are designed by Zolix to meet the requirements of high-precise,high repetitive and often adjustments of position and direction.This series of products employs hard black anodic-oxidation aluminum-alloy as main body materials to present nice appearance.Two-phase stepping motors are standards and other types are optional.

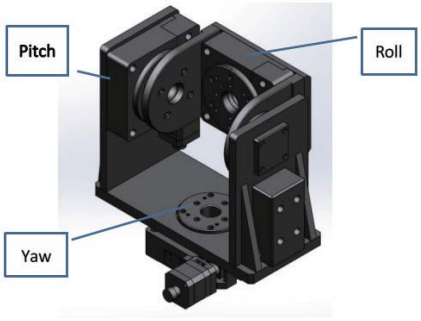
Main characteristics:

- A through hole at center of stage provides possibility to realize unlimited rotating motions by using a set of conductive metal sliding rings
- External positioning sensors optional
- Stainless steel rotary shaft by fine grinding techniques
- Modular design for easy maintenance
- Customer-design proposals optional

Naming rules:

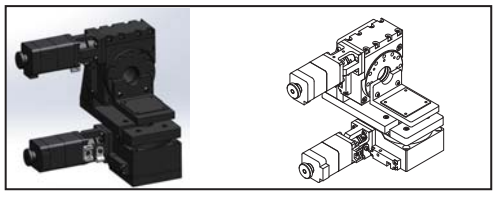
G T - 1 1 (6)

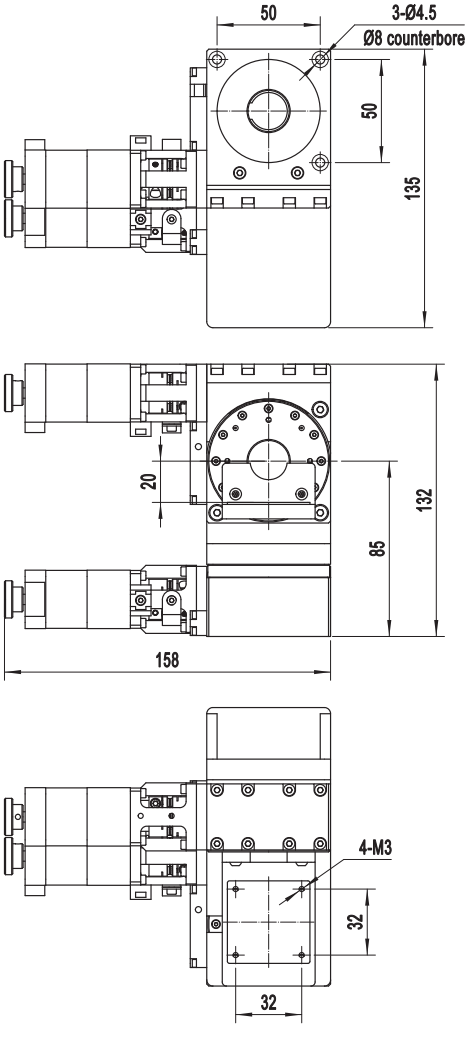
- G: Series code: G: motorized Cardan joint systems
- T: Number of rotary shafts: D: 2 T: 3s
- 1: Table diameter on yaw shaft: 1: Φ100mm 2: Φ200mm 3: Φ350mm
- 1: Table diameter on pitch shaft: 6: Φ60mm 1: Φ100mm 2: Φ200mm 3: Φ350mm
- (6): Table diameter on roll shaft: 6: Φ60mm 1: Φ100mm 2: Φ200mm



Dimensions:

GD-66





Specifications on single shaft	
Refer to selection chart of TBR60L	
Specifications on system	
Highest speed (°/s)	20
Horizontal loading capability (Kg)	1.5

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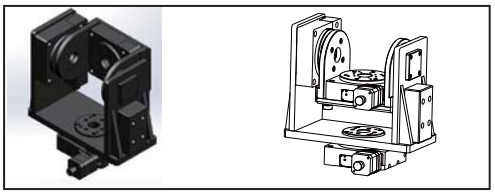

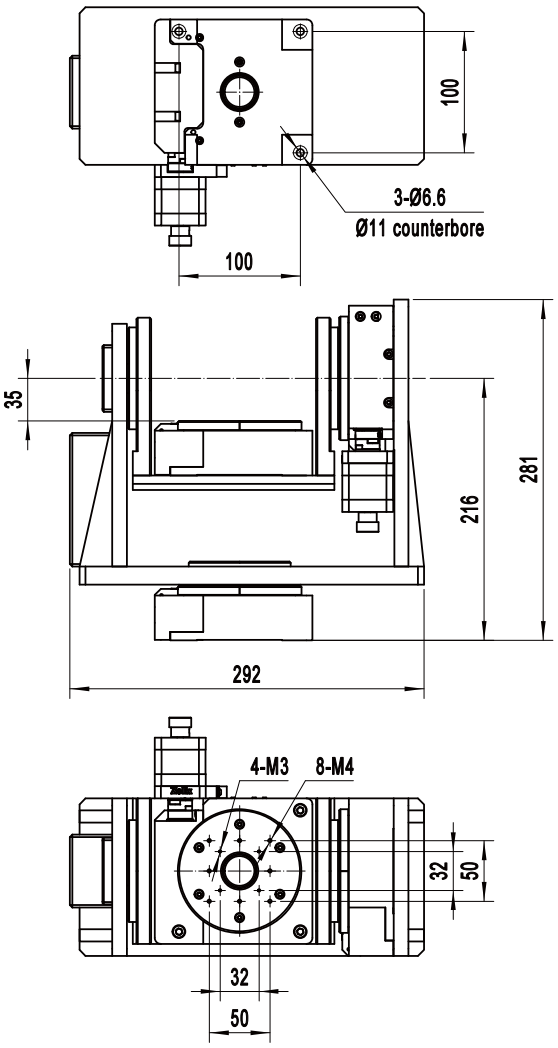

Specifications on single shaft	
Refer to selection chart of TBR100	
Specifications on system	
Highest speed (°/s)	20
Horizontal loading capability (Kg)	3

Note:

Highest speed is measured with the conditions of zero-load and motors being worked at 600rpm

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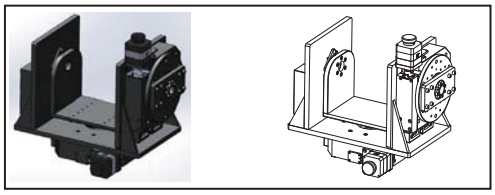

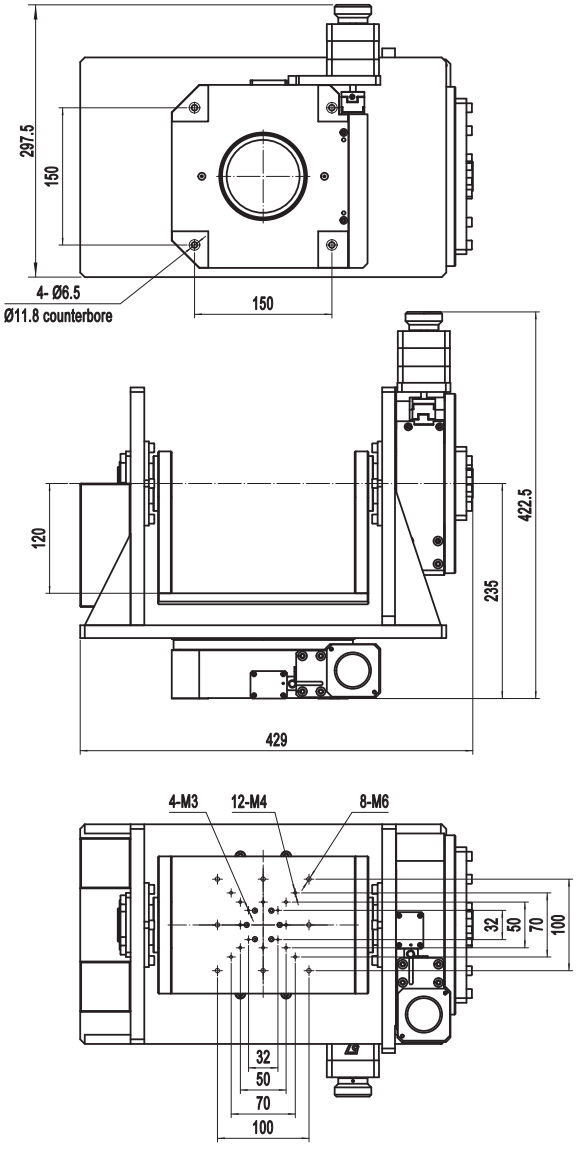

Specifications on single shaft	
Refer to selection chart of TBR200	
Specifications on system	
Highest speed (°/s)	20
Horizontal loading capability (Kg)	10

Note:

Highest speed is measured with the conditions of zero-load and motors being worked at 600rpm