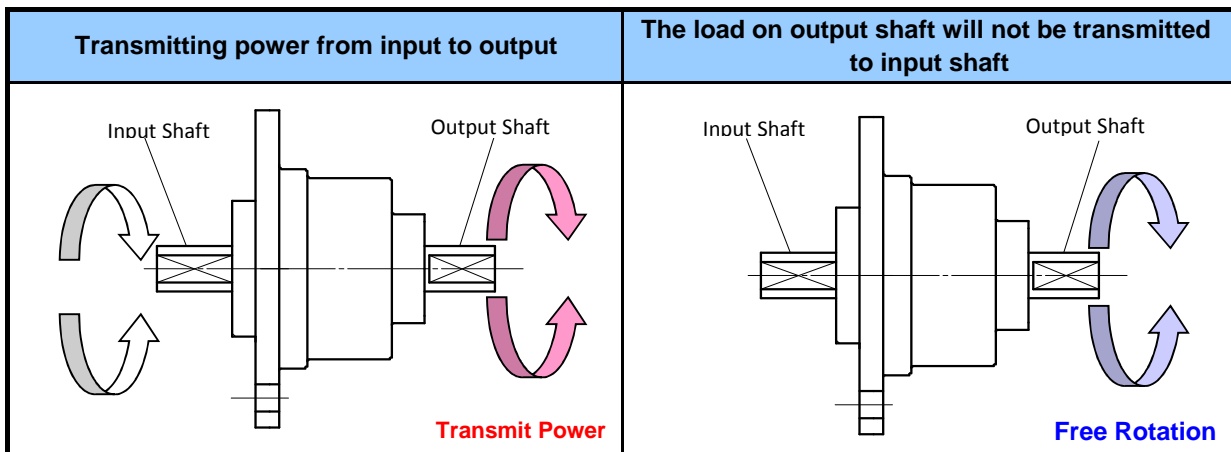


Interactive Clutch Free Type

OSC-F

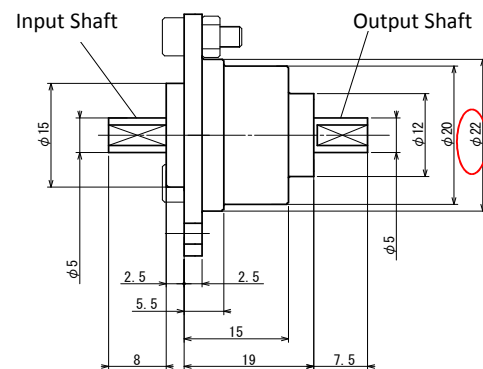
■ Interactive Clutch Free Type Features and Functions

This Interactive Clutches will transmit the power from input shaft to output shaft, but it will transmit any disturbance load applied on the output shaft by rotating the output shaft freely. The Interactive Clutch does not require the electricity, so that it will be replaced with the electric clutches or motors, and simplifies the design, saving-space, and saving cost.



■ Interactive Clutch Free Type concept target values (Development Specifications)

Categories	Target Values
Size	Outer Dia. : $\phi 22\text{mm}$
Shaft Diameter	Input Shaft Dia.: $\phi 4 \sim 5\text{mm}$
Transmit Torque	0.5 ~ (3.0) N · m
Rotation Speed	120 rpm
Action Pattern	Counterclockwise(Transmit) 1.0 sec → Stop 1 sec → Clockwise(Transmit) 1.0 sec → Stop 1 sec
Expected Life	Transmit Torque at 0.5 N · m : 1.2 million Cycles Transmit Torque at 3.0 N · m : 1.2 million Cycles



■ Application examples

- Reverse input torque prevention mechanism (electric locks, gear boxes)
- Automatic / manual switching functions (automatic doors, electric curtains and blinds)
- Conveyance unjamming mechanism (Printers, Copiers, ATMs)

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