





Plastic Spur Gears with Stainless Steel Core

PU

Internal Gears

Racks

CP Racks & Pinions

Miter

Φ

Screw Gears

To order J Series products, please specify; Catalog No. + J + BORE

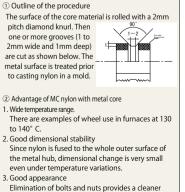
1																
Bore H7		The product shapes of J Series items are identified by background color.														
Keyway Js9	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35
Screw size		5 × 2.3						6 × 2.8				8 × 3.3			10 × 3.3	
Catalog No.	M5	M4						M5				M6			M8	
PU1-30 J BORE																
PU1-35 J BORE																
PU1-40 J BORE																
PU1-50 J BORE																
PU1-60 J BORE																
PU1-80 J BORE																
PU1.5-30 J BORE																
PU1.5-35 J BORE																
PU1.5-40 J BORE																
PU1.5-50 J BORE																
PU1.5-60 J BORE																
PU1.5-80 J BORE																
PU2-20 J BORE																
PU2-25 J BORE																
PU2-30 J BORE																
PU2-35 J BORE																
PU2-40 J BORE																
PU2-50 J BORE																
PU2-60 J BORE																
[Caution on J series]	① As a	/ailable-on-re	quest produc	ts, requires a	lead-time for	shipping wit	hin 2 working	-days (exclud	es the day or	dered), after j	placing an ord	ler.				

② Number of products we can process for one order is 1 to 20 units. For quantities of 21 or more pieces, we need to quote price and lead time.

Keyways are made according to JIS B1301 standards. Js9 tolerance.

④ Certain products which would otherwise have a very long tapped hole are conterbored to reduce the length of the tap.

Worm Gear Pair This method is superior to other conventional methes Bevel Ge Other roducts

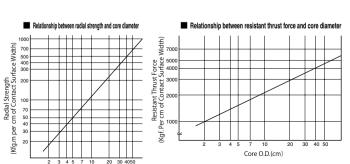


How is MC nvlon fused to the metal core

physical appearance.

ods such as bolting, shrink fitting and bonding.

(1) The holding strength between the metal core and the molded material is a function of the contact area. The relationship between the core outside diameter and the radial strength (torque) is shown on the left. while the relationship between the core diameter and the resistant thrust force is shown on the riaht.



Core O.D.(cm)

the chart on the right. Also, use a safety factor of 4 to 5 in the calculation.



Where

Tal : Allowable Holding Strength at the contact surface Tmax : Maximum Holding Strength - Find from the charts on

the left.

T: Temperature Compensation Factor

* Data supplied by Japan Polypenco Limited.

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