









BENEFITS

Diverse lineup

Enables lighter and more compact designs

High-precision transmission of assist force

Reduces noise/improves ride quality

Cam & Roller Type





Diverse lineup

We offer the best specifications for "cam clutches" that connect and disconnect the motor's assist force, depending on the customer's application.

Cam & Roller Type (Radial load resistance)



- With bearing function (Radial load resistance)
- →Contributing to unit downsizing(Q factor reduction)/weight reduction
- Cams share the load evenly
 - →High-precision smooth transmission of assist force
- Concentric holding structure
 - Contributing to improved noise/ride quality by reducing overrunning frictional torque

Camcage Type



- High torque transmission performance (Based on our comparison test)
- →Contributing to unit downsizing/weight reduction
- Cams share the load evenly
 - →High-precision transmission of assist force

Built-in bearing Type



- All-in-one (inner/outer rings, cams and bearings) →Contributing to unit downsizing/weight reduction
- Cams share the load evenly
- →High-precision transmission of assist force
- Concentric holding structure
 - →Contributing to improved noise/ride quality by reducing overrunning frictional torque

Cam & Roller Type (Axial and radial load resistance)



development

- With bearing function (Axial and radial load resistance) Enables helical gears, contributing to further
 - downsizing(Q factor reduction)/weight reduction of the unit
- Cams share the load evenly

Unit: mm

→High-precision smooth transmission of assist force

Outer ring Cam clutch

Inner ring

- Concentric holding structure
 - →Contributing to improved noise/ride quality by reducing overrunning frictional torque

Transmission Capability/Dimensions



Cam & Roller Type (Radial load resistance)

	Model Number	Allowable Torque Nm	A Inner ring I.D.	B Inner ring raceway diameter	C Outer ring raceway diameter	D Outer ring O.D.	E Width
	CC104R4-15-8.5	7	-	15	23.294	-	9
	CC104R4-15-10.5	9	-	15	23.294	-	11
	CC104R4-15-14.5	14	-	15	23.294	-	15
	CC110R5-25-8.5	29	-	25	33.294	-	9
	CC110R5-25-10.5	39	-	25	33.294	-	11
	CC110R5-25-14.5	59	-	25	33.294	-	15
	CC116R4-35-8.5	105	-	35	43.294	-	9
	CC116R4-35-10.5	147	-	35	43.294	-	11
	CC116R4-35-14.5	232	-	35	43.294	-	15
	CC120R4-45-8.5	207	-	45	53.294	-	9
	CC120R4-45-10.5	276	-	45	53.294	-	11
	CC120R4-45-14.5	427	-	45	53.294	-	15
	Model Number	Allowable Torque	Α	В	C	D	Е

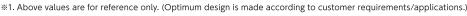


Camcage Type



Built-in bearing Type

	CC120R4-45-14.5	427	ı	45	53.294	-	15
	Model Number	Allowable Torque Nm	A Inner ring I.D.	B Inner ring raceway diameter	C Outer ring raceway diameter	D Outer ring O.D.	E Width
	BB101815	44	-	15	23	-	12
	BB102625	133	-	25	33	-	12
	BB103635	285	ı	35	43	-	12
	BB104445	482	-	45	53	-	12
		Allowable	Α	В	C	D	Е
	Model Number	Torque Nm	Inner ring I D	to a secondar as	Outer ring raceway diameter	Outer ring O.D.	Width
	Model Number BB15	•	Inner ring I D	Inner ring		Outer ring O.D.	
		Nm	Inner ring I.D.	Inner ring		Outer ring O.D.	Width
	BB15	Nm 29	Inner ring I.D.	Inner ring		Outer ring O.D.	Width 11
	BB15 BB17	Nm 29 43	Inner ring I.D. 15 17	Inner ring		Outer ring O.D. 35	Width 11 12
e	BB15 BB17 BB20	Nm 29 43 61	15 17 20	Inner ring		Outer ring O.D. 35 40 47	Width 11 12 14
е	BB15 BB17 BB20 BB25	Nm 29 43 61 78	15 17 20 25	Inner ring		Outer ring O.D. 35 40 47 52	Width 11 12 14 15



^{*2.} Cam & Roller Type (Axial and radial load resistance) are under element development, dimensions will be updated separately.

Tsubakimoto Europe B.V.

Tel: +31 (0)78 6204000 Mail: info@tsubaki.eu



Movie



c D

R

Web