

Contents	Page
Introduction	185
Options	186
RCC900.LI Series - Low Inertia Capping Clutch	187
RCC900.SI Series - Standard Inertia Capping Clutch	188
RCC901 Series - Extra High Torque Capping Clutch	189
RCC800 Series - Low Inertia Capping Clutch	190



Hysteresis Capping Clutches

Techna International offers advanced cylindrical Hysteresis Magnet Capping Clutches to retrofit virtually any capping machine. Our clutches offer a number of benefits and advantages over OEM and other capping clutch designs, providing flexibility and consistency in operation along with minimal requirements for maintenance and operator adjustment.

- Ultra-smooth, precise disengagement at set torque with no ratcheting or jerking
- Broad torque range (0.4 - 10.2Nm) for capping of beverages, home care and other items
- Linear adjustment over full torque range
- Torque adjuster operates through 360 degrees
- Low inertia heads for consistent results independent of speed
- Hygienic stainless steel construction
- Fully sealed for easy wash-down
- Designed for aseptic applications
- Long life design; virtually zero maintenance
- Retrofit to almost any OEM machine via top and bottom adaptors
- Quad Seals available for certain models for use with pressurised air applications



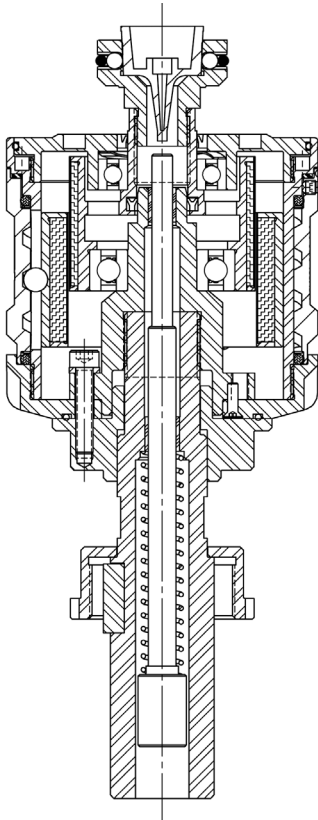
Techna HYSTERESIS CAPPING CLUTCHES

Options

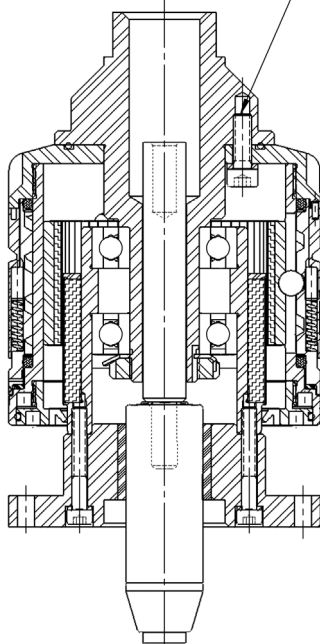
Options include:

- Set-screw or toolless torque adjuster
- Through-hole designs for ejector push-rods
- Adjustable top-load spring
- Quick release chuck holder
- Custom chucks to fit virtually any cap
- Top and bottom adaptors to fit virtually any OEM machine
- Optional logo to customer specification

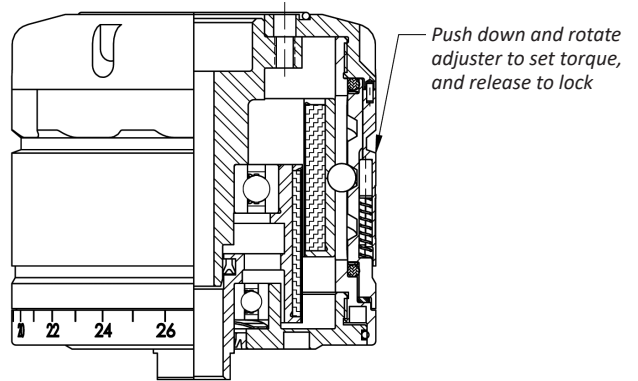
Top and bottom adaptors with connections per your specifications



Factory assembled with screws on the inside results in a more hygienic design

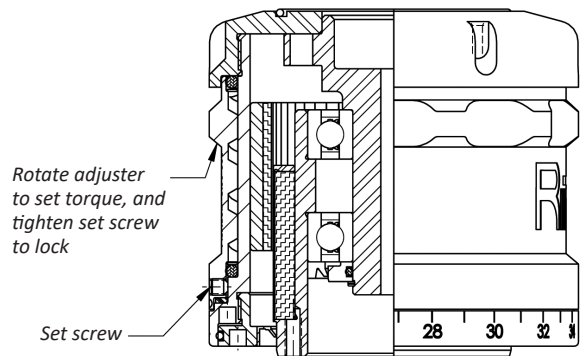


Torque Adjuster



Toolless Locking

Choose toolless locking when making changes to the torque setting frequently, and a positive lock is required.

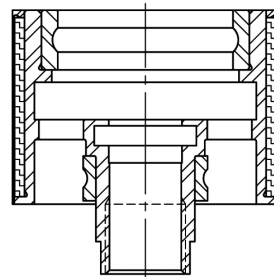


Set Screw Locking

(Adjuster will hold its position without locking the set screw for most applications).

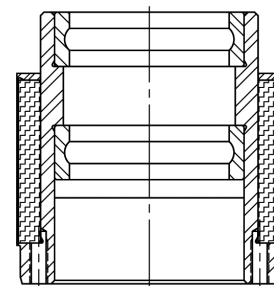
Low or Standard Capping Inertia Options

Capping inertia is the portion of the clutch that rotates and stops with the cap.



Low Capping Inertia

Developed for high speed beverage capping. Delivers very consistent removal torques throughout a wide speed range when coupled with a light weight chuck.

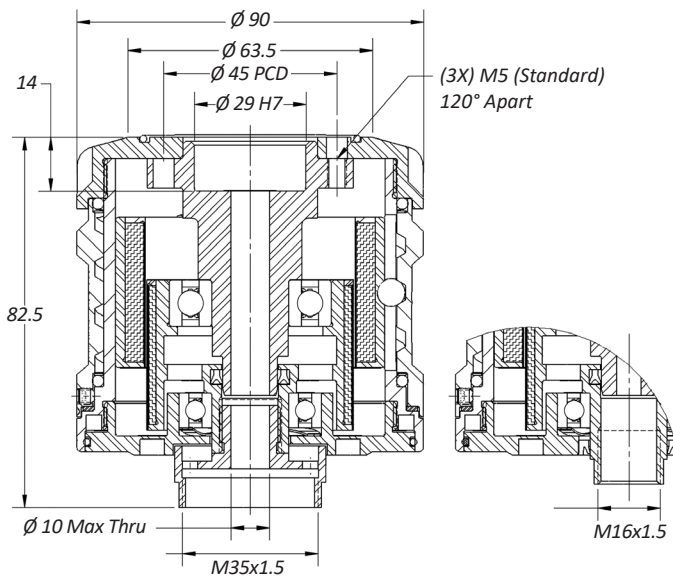


Standard Capping Inertia

Higher torque ranges. Versatile bottom connection. (Addition of a bottom adapter adds to the inertia).

For customised designs please contact us.

RCC900.LI - Low Inertia Capping Clutch



- Inner and outer magnets are both jacketed with stainless steel
- \varnothing 10mm max through hole
- M16 or M35 bottom connection (other connections available on request)

Model	Torque Range	Stainless Steel Magnet Jackets	Bottom Connection (see below)	Capping Inertia (g*cm ²)	Capping Weight (g)	Total Inertia ¹ (g*cm ²)	Total Weight ¹ (kg)
RCC 900.LI.C2	4 to 34 lbin 0.4 to 3.8 Nm	Inner and Outer	M16	1360	270	28070	2.64
			M35	1570	330	28150	2.67

¹ Total weight and inertias are for set screw locking. Toolless locking weighs slightly more. Dimensions are in mm.

How to Order

RCC900.LI.C2 . M16 . T . 8 . LBIN . ZZLOGO

Model Number
RCC900.LI.C2: Low inertia, Two Magnet Covers.

Bottom Connection
M16: M12x1.5-6H
M35: M35x1.5-6H

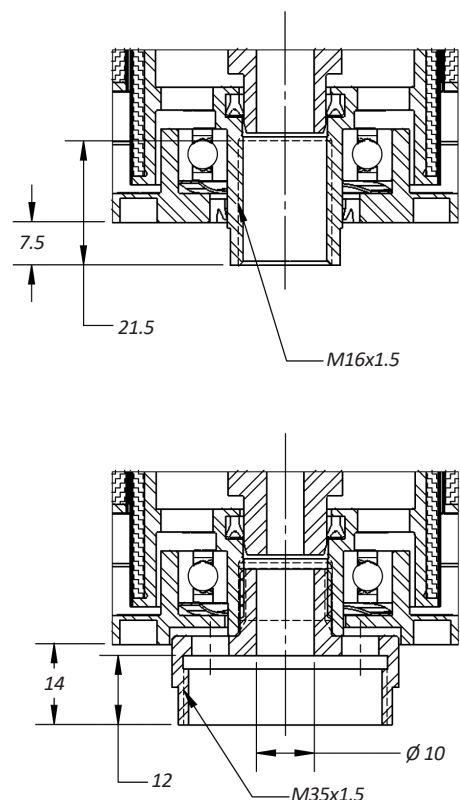
Adjuster Locking
S: Set Screw
T: Toolless

Through Hole Diameter "A"
10 mm maximum.
Standard Tolerance is +0.13 / 0.
Preferred sizes: 0 (Solid), and 6.35 mm.

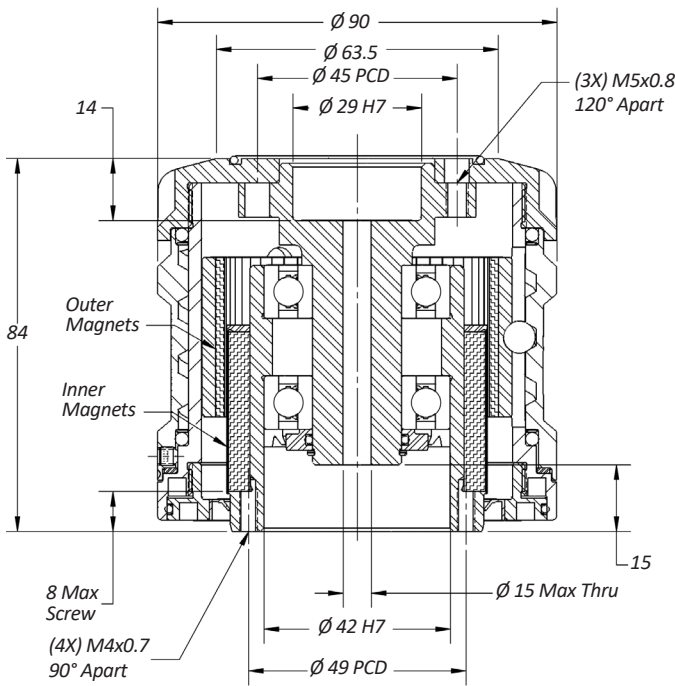
Torque Scale Units
LBIN: Pound Inches
NM: Newton Meters.

Custom Logo
Per customer's specification.

Standard Bottom Connections



RCC900.SI - Standard Inertia Capping Clutch



- Available in medium and high torque
- Inner magnets jacketed in stainless steel. Optional jacketing of outer magnets on medium torque model
- 15mm \varnothing maximum through hole

Model	Torque Range	Stainless Steel Magnet Jackets	Capping Inertia (g*cm ²)	Capping Weight (g)	Total Inertia ¹ (g*cm ²)	Total Weight ¹ (kg)
RCC 900.SI.M.C1	6 to 44 lbin 0.6 to 5.0 Nm	Inner only	3490	590	27800	2.60
RCC 900.SI.H.C1	22 to 52 lbin 2.5 to 5.8 Nm	Inner only	3760	630	28570	2.68

¹ Total weight and inertias are for set screw locking. Toolless locking weighs slightly more. Dimensions are in mm.

How to Order

RCC900.SI.M.C1 . T . 8 . LBIN . ZZLOGO

Model Number _____
 RCC900.SI.M.C2: Standard Inertia, Medium Torque, Two Magnet Covers.
 RCC900.SI.H.C1: Standard Inertia, High Torque, One Magnet Cover.

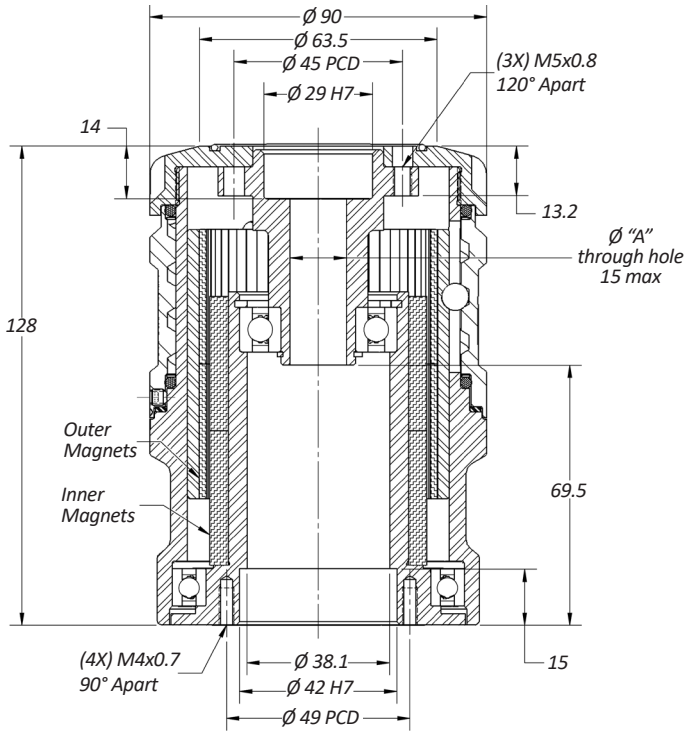
Adjuster Locking _____
 S: Set Screw
 T: Toolless

Through Hole Diameter "A" _____
 15 mm maximum.
 Standard Tolerance is +0.13 / 0.
 Preferred sizes: 0 (Solid), and 6.35 mm.

Torque Scale Units _____
 LBIN: Pound Inches
 NM: Newton Meters.

Custom Logo _____
 Per customer's specification.

RCC901 - Extra High Torque Capping Clutch



- Extra high torque for heavy duty operations
- 15mm \varnothing maximum through hole
- Magnets are not jacketed

Model	Torque Range	Stainless Steel Magnet Jackets	Capping Inertia (g*cm ²)	Capping Weight (g)	Total Inertia ¹ (g*cm ²)	Total Weight ¹ (kg)
RCC 901.CO	50 to 90 lbin 5.6 to 10.2 Nm	None	7260	1120	41500	3.61

¹ Total weight and inertias are for set screw locking. Toolless locking weighs slightly more. Dimensions are in mm.

How to Order

RCC901.CO . T . 8 . LBIN . ZZLOGO

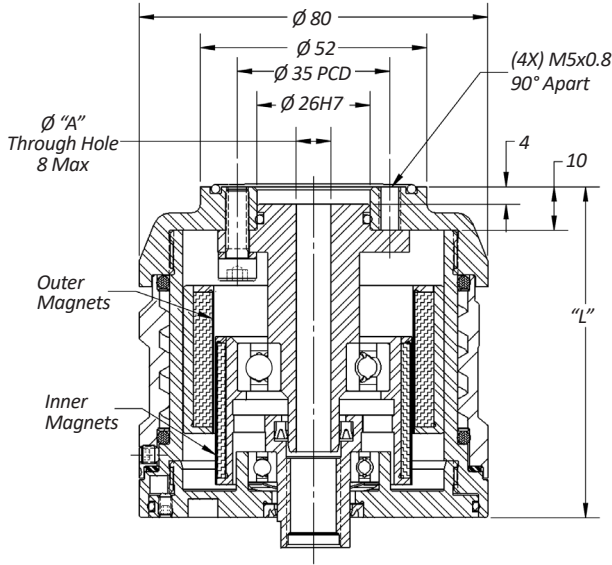
Model Number _____
RCC901.CO: Extra High Torque, No Magnet Covers.

Adjuster Locking _____
S: Set Screw
T: Toolless
Through Hole Diameter "A" _____
15 mm maximum.
Standard Tolerance is +0.13 / 0.
Preferred sizes: 0 (Solid), and 6.35 mm.

Torque Scale Units _____
LBIN: Pound Inches
NM: Newton Meters.

Custom Logo _____
Per customer's specification.

RCC800 - Low Inertia Capping Clutch



- Compact, low inertia design
- Two torque ranges
- Inner and outer magnets are both jacketed with stainless steel
- \varnothing 8mm max through hole
- M12, M24 or M35 bottom connection (other connections available on request)
- Available with a variety of top/bottom adaptors to suit virtually any capping process

Model	Torque Range	"L" (mm)	Stainless Steel Magnet Jackets	Bottom Connection	Capping Inertia (g*cm ²)	Capping Weight (g)	Total Inertia ¹ (g*cm ²)	Total Weight ¹ (kg)
RCC 800.LI.C2	5 to 22 lbin 0.6 to 2.4 Nm	76	Inner and Outer	M12	680	215	1560	1.89
				M24	720	240	15600	1.91
				M35	820	260	15640	1.91
RCC 801.LI.C2	6 to 30 lbin 0.7 to 3.3 Nm	97	Inner and Outer	M12	880	260	20260	2.38
				M24	920	290	20300	2.40
				M35	1020	310	20330	2.40

¹ Total weight and inertias are for set screw locking. Toolless locking weighs slightly more. Dimensions are in mm.

How to Order

RCC801.LI.C2 . M12 . T . 6 . LBIN . ZZLOGO

Model Number _____
 RCC800.LI.C2: 76 mm long, Low Inertia, Two Magnet Covers.
 RCC801.LI.C2: 97 mm long, Low Inertia, Two Magnet Covers.

Bottom Connection _____

M12: M12x1.5-6H
 M24: M24x1.5-6H
 M35: M35x1.5-6H

Adjuster Locking _____

S: Set Screw
 T: Toolless

Through Hole Diameter "A" _____

8 mm maximum.
 Standard Tolerance is +0.13 / 0.
 Preferred sizes: 0 (Solid), and 6.35 mm.

Torque Scale Units _____

LBIN: Pound Inches
 NM: Newton Meters.

Custom Logo _____

Per customer's specification.

Standard Bottom Connections

