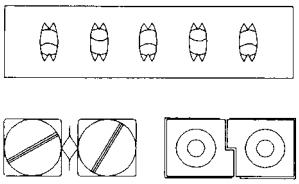

CROSSED ROLLER RETAINER/ENDPIECE GUIDE

APPLICATION - The attitude that the rail set will be used in, movement speed, and the payload it is carrying help determine the correct retainer and endpieces selection.

In horizontal attitude applications standard brass retainers with captive rollers and standard end screws are generally suitable. (C)

In vertical attitude applications roller migration tends to require a thicker brass or fiberglass reinforced plastic retainer with centralizing end stops (CES).

In high speed applications plastic or non-captive brass are recommended.

In applications requiring additional load carrying capacity refer to the retainer type selection guide.

RETAINER TYPE SELECTION GUIDE

118 SERIES (3mm) ROLLER BEARING RETAINERS

- **(C)** .020 thick brass retainer with captive rollers on **.197" centerlines (pitch)** and supplied with standard end screws (RSS). Supplied as part of standard rail set unless otherwise specified.
- **(P)** Fiberglass reinforced plastic retainer with captive rollers on **.192" centerlines (pitch)** supplied with centralizing endstops (CES) or standard endscrews (RSS).
- **(B)** .040 thick brass retainer with non-captive rollers on **.197" centerlines (pitch)** supplied with centralizing endstops (CES).

236 SERIES (6mm) ROLLER BEARING RETAINERS

- **(C)** .025 thick brass retainer with captive rollers on **.472" centerlines (pitch)** and supplied with standard end screws (RSS). Supplied as part of standard rail set unless otherwise specified.
- **(P)** Fiberglass reinforced plastic retainer with captive rollers on **.330" centerlines (pitch),** for additional load carrying capacity, and rigidity supplied with centralizing endstops (CES) or standard endscrews (RSS).
- **(B)** .081 thick standard brass retainer with non-captive rollers on **.472" centerlines (pitch)** supplied with centralizing endstops (CES).
- **(H)** .081 thick brass retainer with non-captive rollers on **.300" centerlines (pitch)** for additional load carrying capacity, supplied with centralizing end stops (CES).
- **(D)** .081 thick brass retainer with non-captive rollers on **.300" centerlines (pitch)** in a 2:1 load carrying orientation, supplied with centralizing endtops (CES). NOTE: Load must remain fixed.

Please refer to the custom rail set order guide below when specifying non-standard retainers or roller bearing counts.

CUSTOM RAIL SETS - RS (D) - (L) - (C) - (R)

D = Roller Bearing Diameter (in) L = Rail Length (in)
C = Roller Count Per Retainer R = Retainer Material/Type