

TABLE TOP CHAIN QUICK REFERENCE

Chain type identification, pitch measurement, and material identification for table top and mat top conveyor chains.

1. Chain Type Classification

TYPE	SURFACE	DESCRIPTION	COMMON APPLICATIONS
Flat Top	Smooth flat surface	Flat plates with no raised features	Bottles, containers, general packaging
Raised Rib	Longitudinal ribs	Raised ribs along chain length	Wet bottling, drainage applications
Perforated	Holes through surface	Drainage holes in chain plates	Washing, cooling, air circulation
Friction Top	Rubber/polymer insert	High-friction top surface	Incline conveying, product positioning
Open Hinge	Open hinge area	Large gaps for cleaning	Food, sanitary applications
Mat Top	Wide flat surface	Wide continuous surface	Bulk product, large items

2. Key Identification Parameters

Pitch	Pin center-to-center distance – primary identifier
Plate Width	Width of the top plate (not chain width)
Pivot Type	Pin pivot, hinge pin, or rod
Material	POM (acetal), PP, PEEK, Nylon, or steel
Color	White (POM standard), blue (PP), green, natural
Sprocket Engagement	Number of teeth engaged, tooth profile
Hinge Type	Standard hinge, snap-fit, or pin-connected

3. Common Pitches

PITCH	TYPICAL WIDTH	COMMON APPLICATION
3/8" (9.525mm)	1" – 3"	Small containers, pharmaceutical
1/2" (12.7mm)	1.5" – 4"	Bottles, small packages
3/4" (19.05mm)	2" – 7"	Standard packaging, food
1" (25.4mm)	3" – 12"	Large containers, multi-lane
1-1/2" (38.1mm)	6" – 24"	Mat top, bulk conveying

2" (50.8mm)	12" – 36"	Heavy mat top, large product
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4. Material Identification

MATERIAL	COLOR	FEEL	TEMPERATURE LIMIT	IDENTIFY BY
POM (Acetal)	White or natural	Hard, smooth	90°C / 194°F	Hard surface, white color, crisp sound when tapped
PP (Polypropylene)	White, blue, or green	Slightly softer	80°C / 176°F	Slightly flexible, matte finish, lighter than POM
PEEK	Natural (tan)	Very hard	250°C / 482°F	High temp resistance, premium material
Nylon (PA)	White, black, or blue	Hard, slightly rough	120°C / 248°F	Harder than POM, may be black
Steel	Metallic	Metal	400°C / 752°F	Magnetic (carbon) or non-magnetic (stainless)

5. Measurement Procedure

- 1. Measure pitch: pin center to adjacent pin center
- 2. Measure plate width: widest point of the top plate
- 3. Count sprocket teeth (if sprocket available)
- 4. Identify material: visual color + tactile hardness + temperature rating
- 5. Check for special features: ribs, perforations, friction top, open hinge
- 6. Measure hinge pin diameter (if accessible)
- 7. Document all measurements and take photos

IDENTIFICATION TIP

Table top chains from different manufacturers may have the same pitch but different sprocket engagement profiles. Always match the chain brand with the sprocket brand, or provide both for identification.

NEED HELP IDENTIFYING YOUR CHAIN?

Send a photo with a ruler to Uniking Canada for fast identification.
info@unikingcanada.com