

WEAR STRIPS SELECTION & INSTALLATION GUIDE

1. Wear Strip Materials

MATERIAL	MAX TEMP	FRICTION (ON POM)	WEAR LIFE	COST
UHMW PE	80°C / 176°F	0.10 — 0.15	Medium	Low
Nolu-S (lubricated UHMW)	80°C / 176°F	0.08 — 0.12	High	Medium
HDPE	70°C / 158°F	0.15 — 0.20	Low	Lowest
PTFE	200°C / 392°F	0.04 — 0.08	Medium	High
Stainless 304	400°C / 752°F	0.25 — 0.35	Very High	High
Stainless 316	400°C / 752°F	0.25 — 0.35	Very High	Highest

2. Profile Selection

PROFILE	APPLICATION	CHAIN TYPE
Flat profile	Standard straight conveyor	All flat top chains
U-profile (channel)	Chain edge guidance	Chains with side tabs
V-profile	Self-centering	V-belt chains
Round profile	Roller chain support	Roller-style table top
Custom profile	Special applications	Custom or proprietary chains

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3. Installation Guidelines

SPACING

BELT WIDTH	NUMBER OF STRIPS	MAX SPACING
Up to 100mm	2 (edges only)	N/A
100 — 300mm	2 — 3	150mm
300 — 600mm	3 — 4	150mm
600 — 1200mm	4 — 6	200mm
1200mm+	6+	200mm

INSTALLATION PROCEDURE

1. Clean frame surface — remove old wear strip residue
2. Cut wear strips to length — allow 1mm expansion gap per meter at joints
3. Secure wear strips — use countersunk screws or adhesive per manufacturer spec
4. Verify all screw heads are flush or below surface — protruding screws damage chain
5. Check joint alignment — strips must be flush at joints (max 0.5mm step)
6. Verify chain slides freely — no binding or catching at joints
7. Run conveyor 15 minutes unloaded — check for hot spots (indicates high friction)

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4. Maintenance

FREQUENCY	TASK
Monthly	Visual inspection — check for grooves or wear
Quarterly	Measure wear strip thickness — replace at 50% wear
Semi-annually	Check joint alignment — file down any stepped joints
Annually	Complete replacement if grooved >1mm

WHEN TO REPLACE

Replace wear strips when: surface is grooved more than 1mm deep, joints are stepped more than 0.5mm, material is discolored from heat, or chain tracking becomes inconsistent.

WEAR STRIP SUPPLY