

OFFICIAL PICKLEBALL COURT DIMENSIONS & DIY BLUEPRINT

USA Pickleball Rulebook Section 2 Compliance • Field Geometry, Net Tolerances & DIY Taping Matrix • PickleballScope.com

1. OFFICIAL USA PICKLEBALL COURT DIMENSIONS & HARDWARE SPECIFICATIONS

Total Court Footprint	20' 0" W × 44' 0" L	6.10 m × 13.41 m	Total court area = 880 sq ft. Identical dimensions for both singles and doubles play. All lines are included in measurements.
Non-Volley Zone (Kitchen)	7' 0" from Net (both sides)	2.13 m depth	Spans full 20 ft court width. The 2-inch NVZ line is legally part of the kitchen. Touching the line while volleying is a fault.
Left / Right Service Courts	10' 0" W × 15' 0" L each	3.05 m × 4.57 m	Four total service courts per court. Bounded by baseline, sideline, NVZ line, and dividing centerline.
Centerline (Dividing Line)	15' 0" Length	4.57 m length	Extends from NVZ line to baseline, dividing service boxes. Exactly 2 inches wide, centered at 10 ft mark.
Boundary Line Width	2.0 Inches Wide	5.08 cm width	Standard 2-inch tape or painted lines. All lines must be a contrasting color to the surrounding playing surface.
Net Post Height & Position	36.0" Height (posts)	0.914 m height	Net posts placed 22' 0" apart (12 inches outside sidelines). Spacing permits around-the-post (ATP) shots.
Net Center Height	34.0" Center Strap	0.864 m center	Center strap cinches net down to exactly 34 inches. 2-inch natural dip creates strategic passing lanes down the middle.
Recommended Playing Envelope	30' 0" W × 60' 0" L	9.14 m × 18.29 m	1,800 sq ft total buffer. Provides 5 ft side runoffs and 8 ft baseline safety overrun. Tournament standard is 34' × 64'.

2. STEP-BY-STEP DIY DRIVEWAY & GYM COURT TAPING GUIDE (ZERO-ERROR SQUARING)

DIY Phase	Action Steps & Mathematical Execution Protocol	Tool & Hardware Required
Phase 1: Surface Verification	Verify a clear flat surface of at least 28' × 54' (ideally 30' × 60'). Sweep away debris, grease, and gravel. Check for severe cracks or ponding water.	Broom, blower, 100-ft tape measure
Phase 2: Square Perimeter Box	Establish first 44' sideline. To ensure perfect 90° corners, use the Pythagorean Theorem (3-4-5 rule) : measure 3 ft along baseline, 4 ft along sideline; diagonal must equal 5 ft. Across the full 20' × 44' court, the full diagonal must measure exactly 48' 4" (48.33 ft) .	Chalk line, contractor pencil, 2 tape measures
Phase 3: Net & Kitchen Lines	Measure exactly 22' from either baseline to establish the net line. From the net line, measure 7' 0" back toward each baseline . Snap chalk lines across the full 20 ft width to form both Non-Volley Zone lines.	Chalk line, measuring tape
Phase 4: Centerline Dividing	Locate the exact midpoint (10' 0") of both baselines and both NVZ lines. Snap chalk lines connecting baseline midpoints to NVZ line midpoints on each court half. (Do NOT draw centerline through the Kitchen!).	Chalk reel, measuring tape
Phase 5: Tape Application	Lay 2-inch heavy-duty contractor vinyl court tape along your snapped chalk lines. Crucial Alignment Rule: Tape inside the 20' × 44' outer chalk lines so the 2-inch width is included within official court bounds.	2" vinyl court tape (approx 200 linear ft)
Phase 6: Net Setup & Height	Erect portable net system. Place posts 22' apart (12" outside sidelines). Adjust post tension to 36" at sidelines. Fasten center strap and measure height down to exactly 34" at the center of the court.	Portable net system, net measuring chain/stick

3. COURT ENGINEERING STANDARDS & TENNIS CONVERSION SPECIFICATIONS

Engineering Parameter	Official Standard & Practical Field Guidelines
Surface Drainage Slope	Outdoor asphalt/concrete courts require a continuous 0.83% to 1.0% slope (approx. 1 inch per 10 feet) on a single plane to ensure rapid drainage. Avoid crowned courts that distort ball bounce.
Solar Orientation	Courts must be oriented along a North-South axis (acceptable variance of 15°–20° North-Northwest). East-West orientation blinds servers during sunrise and receivers during sunset.
Tennis-to-Pickleball Conversion	A standard 60' × 120' tennis court footprint comfortably accommodates up to 4 regulation pickleball courts (2 on each side of the tennis net). If sharing existing tennis nets, install center tie-down straps to drop net center to 34".
Lighting & Fencing	Recreational lighting requires 30–50 foot-candles ; tournament play mandates 75+ foot-candles . Fencing should stand 8–10 ft high with windscreen mesh on wind-prone outdoor facilities.