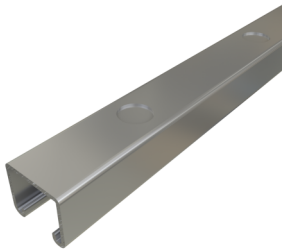

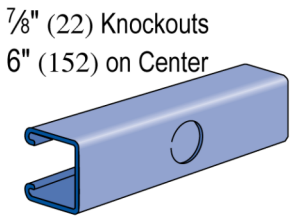

P3000KO - 1-5/8" x 1-3/8", 12 Gauge; Knock Outs

12 Gauge Strut Channel with Knock-Outs P3000KO (knock-out) is designed for use in electrical raceway and support applications. It is UL listed and CSA listed for use as a strut-type channel raceway. The knock-outs are supplied attached to the strut and can be punched out in the field, as needed, for entry and exit of the wiring from the channel raceway.

Features

- Product dimensions are 1 5/8" wide x 1 3/8" tall x 12 ga. thick; with knock-outs.
- The knock-outs are 7/8" in diameter and 6" on center
- Our P3000KO is available in the following finishes: Pre-Galvanized (PG), Hot-Dip Galvanized (HG), Plain (PL) and Green (GR).
- Made in the USA

Standard Lengths:
- **10 feet:** 10' or 10' 1/8" (3.05m) ± 1/8" (3 mm)
- **20 feet:** 20' or 20' 3/8" (6.11m) ± 1/8" (3 mm)

Special Lengths:

- Available with a tolerance of ±1/8" (3 mm). Request quote.

Curved Channel:

- Many Unistrut channel sections can be supplied with a curve. Click here for our ordering form, specifications, and instructions.

Load Data:

- All beam and column load data pertains to carbon steel and stainless steel channels.
- Load tables apply only to UNISTRUT brand channel. Look for "UNISTRUT" on the product.
- Load tables and charts are constructed to be in accordance with the SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007 EDITION published by the AMERICAN IRON AND STEEL INSTITUTE USING ASD METHOD.
- Loads are based on 33 ksi steel cold formed to 42 ksi.
- Safety Factor to Yield Strength is 1.67 for Beam Loads and 1.80 for Column Loads.
- Beam loads are based on a simple beam and are given as a total uniform load (W) in pounds. For proper calculation procedures, refer to our Beam Load Calculation Guide under Resources.
- For bearing loads, reference our Bearing Loads Page.

Materials & Finishes - Standard:
- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Unistrut Defender (DF):** Conforms to ASTM A1046 SS GR 33
- **Hot Dip Galvanized (HG):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM A123
- **Perma-Green (GR):** Steel conforms to ASTM A1011 SS GR 33, E-Coat finish
- **Perma-Gold (ZD):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM B633, Type II SC3
- **Plain (PL):** Conforms to ASTM A1011 SS GR 33

Materials & Finishes - Special Metals:

- **Stainless Steel, Type 304 (SS):** ASTM A240, Type 304 *
- **Stainless Steel, Type 316 (ST):** ASTM A240, Type 316 *
- **Aluminum (EA):** ASTM B221, Type 6063-T6 (Extruded) *

* These materials have different physical properties and performance characteristics. Please contact us for design support.

P3000KO

Atkore Power-Strut | Atkore Unistrut

Catalog Number	Length (ft)	Gauge	Material Type	Surface Finish	Part Weight (lb/ft)	Standard Package Qty (ft)	Standard Package Weight (lb)
P3000KO 10GR	10	12	Steel	Green E-Coat	1.7	500	850
P3000KO 10PG	10	12	Steel	Pre-Galvanized	1.7	500	850
P3000KO 10PL	10	12	Steel	Plain/Oil	1.7	500	850
P3000KO 20GR	20	12	Steel	Green E-Coat	1.7	1000	1700
P3000KO 20PG	20	12	Steel	Pre-Galvanized	1.7	1000	1700
P3000KO 20PL	20	12	Steel	Plain/Oil	1.7	1000	1700

Beam Loading - P3000KO						
Span (in)	Max Allow. Uniform Load (lbs)	Deflection at Uniform Load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
			Span/180 (lbs)	Span/240 (lbs)	Span/360 (lbs)	
24	1,216	0.07	1,216	1,216	1,216	1.00
36	808	0.15	808	808	551	0.96
48	608	0.26	608	466	314	0.91
60	485	0.41	399	295	200	0.88
72	409	0.59	276	209	143	0.84
84	352	0.81	200	152	105	0.82
96	304	1.05	152	114	76	0.79
108	266	1.30	124	95	57	0.77
120	247	1.66	95	76	48	0.75
144	200	2.32	67	48	38	0.70
168	171	3.15	48	38	29	0.66
192	152	4.18	38	29	NR	0.62
216	133	5.21	NR	NR	NR	0.58
240	124	6.64	NR	NR	NR	0.54
Note						

Refer to the General Specifications for loading information.

Column Loading - P3000KO					
Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G.			
		K=0.65 (lbs)	K=0.80 (lbs)	K=1.0 (lbs)	K=1.2 (lbs)
24	3,180	9,690	8,980	8,050	7,210
36	2,920	8,160	7,210	6,130	5,240
48	2,590	6,820	5,810	4,730	3,860
60	2,300	5,740	4,730	3,690	2,990
72	2,040	4,850	3,860	2,990	2,270
84	1,830	4,100	3,240	2,400	KL/r>200
96	1,650	3,530	2,770	1,840	KL/r>200
108	1,450	3,080	2,270	KL/r>200	KL/r>200
120	1,250	2,710	1,840	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Elements of Section - P3000KO		
Area of Section	0.5 in^2 (3.2 cm^2)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	0.12 in^4 (5 cm^4)	0.203 in^4 (8.4 cm^4)
Section Modulus (S)	0.153 in^3 (2.5 cm^3)	0.250 in^3 (4.1 cm^3)
Radius of Gyration (r)	0.489 in (1.2 cm)	0.638 in (1.6 cm)