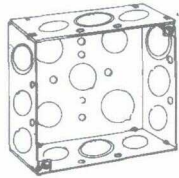


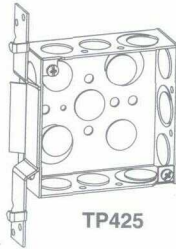
4" SQUARE OUTLET BOXES – 22.0 CUBIC INCH CAPACITY (WELDED)

1 1/2" DEEP – FOR CONDUIT

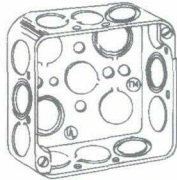
21.0 CUBIC INCH CAPACITY (DRAWN)



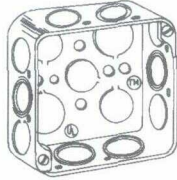
TP404



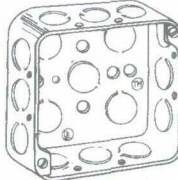
TP425



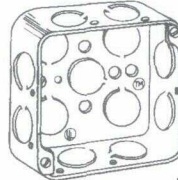
TP830\*



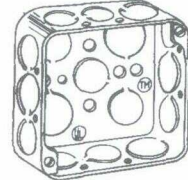
TP405



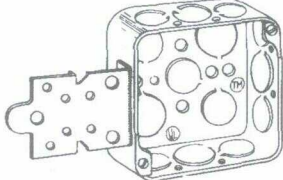
TP410



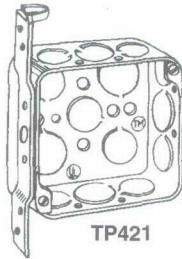
TP412  
TP839\*



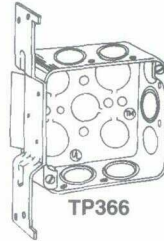
TP414



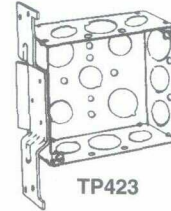
TP418



TP421



TP366



TP423

\*For Air Plenum (No Mounting Holes)

KNOCKOUTS

Product Number	Metal Stud Sizes	Bracket	Description	KNOCKOUTS		Std. Unit Pkg.	Wt. Lbs. Per 100
				Sides	Bottom		
TP404	—	—	Welded	8-1/2", 4-Moons	3-1/2", 2-Moons	50	72
TP425	—	"VP"	Welded	6-1/2", 3-Moons	3-1/2", 2-Moons	25	86
TP366	All	"VM"	Drawn	2-1/2", 5-1/2" & 3/4"-C	3-1/2", 2-3/4"	25	84
TP423	All	"VM"	Welded	6-1/2", 3-Moons	3-1/2", 2-Moon	25	85
TP405	—	—	Drawn	4-1/2", 6-1/2" & 3/4"- C	3-1/2", 2-3/4"	50	67
TP410	—	—	Drawn	12-1/2"	5-1/2"	50	67
TP412	—	—	Drawn	8-3/4"	3-1/2", 2-3/4"	50	67
TP414	—	—	Drawn	8-1/2", 4-3/4"	3-1/2", 2-3/4"	50	67
TP418	—	"F", Set Flush	Drawn	6-1/2", 3-3/4"	3-1/2", 2-3/4"	25	78
TP421	—	"S"	Drawn	6-1/2", 3-3/4"	3-1/2", 2-3/4"	25	77
Air Plenum							
TP830*	—	—	Drawn	8-1/2", 4-1/2" & 3/4"- C	3-1/2", 2-3/4"	50	72
TP839*	—	—	Drawn	8-3/4"	3-1/2", 2-3/4"	50	72

Article 370 of the National Electrical Code® (NEC®) covers the installation and use of boxes. The article includes table references that guide the electrician in the selection of the proper size box necessary to safely accommodate electrical service requirements. The box capacity table is reproduced in part from NEC as a quick reference and guide. The NEC should be consulted for complete details.

Crouse-Hinds products are produced in accordance with the requirements of UL-514-A, UL-514-B, UL-514-C and are classified for fire resistance according to the standard, Fire Tests of Building Construction and Materials, ANSI/UL 263, ASTM E 119 and NFPA 251. This listing is based on products when used in a fire rated (2 HR) wall or ceiling. Crouse-Hinds steel boxes are listed with U.L. File #E23156 and Crouse-Hinds nonmetallic boxes are listed with U.L. File #E102328 and U.L. (2 HR. fire rated) File #R9933.

Crouse-Hinds switch and outlet boxes comply with the requirements of NEMA standard OS-1, NFPA 70-370 and Federal Spec. #W-J-800E.

Under File #E23156, Crouse-Hinds concentric and "Moon" KO style boxes, the following is stated "Suitable for bonding without any additional bonding means around concentric (or Eccentric) knockouts where used in circuits above or below 250 V."

Crouse-Hinds NAED/DCI/UPC number is 786189-10 plus the 3-digit product number. On the outlet box 4-digit product number, the NAED/DCI/UPC number is 786189-0 plus the 4-digit product number and for the 5-digit product number, the NAED/DCI/UPC number is 786189 plus the 5-digit number.

Table 370-16 (a) Metal Boxes

Box Dimension, Inches Trade Size or Type	Min. Cu. In. Cap.	Maximum Number of Conductors							
		No.18	No.16	No.14	No.12	No.10	No.8	No.6	
4 x 1 1/4 Round or Octagonal	12.5	8	7	6	5	5	4	2	
4 x 1 1/2 Round or Octagonal	15.5	10	8	7	6	6	5	3	
4 x 2 1/8 Round or Octagonal	21.5	14	12	10	9	8	7	4	
4 x 1 1/4 Square	18.0	12	10	9	8	7	6	3	
4 x 1 1/2 Square	21.0	14	12	10	9	8	7	4	
4 x 2 1/8 Square	30.3	20	17	15	13	12	10	6	
4 11/16 x 1 1/4 Square	25.5	17	14	12	11	10	8	5	
4 11/16 x 2 1/2 Square	29.5	19	16	14	13	11	9	5	
4 11/16 x 2 1/8 Square	42.0	28	24	21	18	16	14	8	
3 x 2 x 1 1/2 Device	7.5	5	4	3	3	3	2	1	
3 x 2 x 2 Device	10.0	6	5	5	4	4	3	2	
3 x 2 x 2 1/4 Device	10.5	7	6	5	4	4	3	2	
3 x 2 x 2 1/2 Device	12.5	8	7	6	5	5	4	2	
3 x 2 x 2 3/4 Device	14.0	9	8	7	6	5	4	2	
3 x 2 x 3 1/2 Device	18.0	12	10	9	8	7	6	3	
4 x 2 1/8 x 1 1/2 Device	10.3	6	5	5	4	4	3	2	
4 x 2 1/8 x 1 7/8 Device	13.0	8	7	6	5	5	4	2	
4 x 2 1/8 x 2 1/8 Device	14.5	9	8	7	6	5	4	2	
3 3/4 x 2 x 2 1/2 Masonry Box/Gang	14.0	9	8	7	6	5	4	2	
3 3/4 x 2 x 3 1/2 Masonry Box/Gang	21.0	14	12	10	9	8	7	4	
FS—Minimum Internal Depth									
1 3/4 Single Cover/Gang	13.5	9	7	6	6	5	4	2	
FD—Minimum Internal Depth									
2 3/8 Single Cover/Gang	18.0	12	10	9	8	7	6	3	
FS—Minimum Internal Depth									
1 3/4 Single Cover/Gang	18.0	12	10	9	8	7	6	3	
FD—Minimum Internal Depth									
2 3/8 Multiple Cover/Gang	24.0	16	13	12	10	9	8	4	

Table 370-16 (b) Volume Required per Conductor

Size of Conductor	Free Space Within Box for Each Conductor
No. 18	1.5 cubic inches
No. 16	1.75 cubic inches
No. 14	2 cubic inches
No. 12	2.25 cubic inches
No. 10	2.5 cubic inches
No. 8	3 cubic inches
No. 6	5 cubic inches

For SI units: one cubic inch = 16.4 cm<sup>3</sup>.

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## CROUSE-HINDS SWITCH BOX DETAILS

### Knockouts and Pry-outs

Crouse-Hinds conduit KOs have standard trade size dimensions. KOs are uniform and true for attachment of cable or conduit connectors. Pry-outs for cable entrance are slotted — a twist with screwdriver removes them. KOs and Pry-outs are precision stamped to permit easy removal, but remain sufficiently strong and sturdy when not removed.

Crouse-Hinds 4" sq. drawn boxes feature a 1/2" and 3/4" "inverted" concentric KO — easily removed. Our 4" sq. welded feature our 1/2" "moon" KO which also features easy removability of both the 1/2" and 3/4" KOs. NOTE: These KOs are suitable for bonding without bonding jumpers around concentric (or eccentric) knockouts where used in circuits above or below 250 V.

