

Tools and Dies

Type OD Tool Dies

CAT. NO.	DESCRIPTION OR COLOR CODE
OJB	O
DBL	D
BY39	510 Hex (non-bow)
BY41	635 Hex (non-bow)
BY43	747 Hex (non-bow)
BY45	T
BY47	K
BY49	B
BY51	J
BY53	P
BY13	3/16
BY15*	7/32 (EEI-1 index 236)
BY17	1/4
BY19	5/16 (index 161.242)
BY21	3/8
BY23	1/2 (index 163)
BY25	9/16
BY27	1 1/16
BY29	1 9/32
BY31	5/8 (index 165)
BY33	737
BY35	781
BY37	840 (EEI 11A)
BY55	Wire Cutter (2/0 max.)
BY63	Orange (Nicopress)
BY65	Plum
BY15C*	7/32 Red
BY17C*	1/4 Blue
BY19C*	5/16 Gray
BY21C*	3/8 Brown
BY23C*	1/2 Pink
BY24C*	1/2-1 Gold
BY25C*	9/16 Tan/Orange
BY27C*	1 1/16 Yellow
BY31C*	5/16-1 Olive/Purple
BY32C*	Ruby
BY35C*	781 White
BY37C*	840 Red
BY28C*	1 1/2 Black
BY53C*	P Green
ODH1	Insulating Head Cover

*Can also be used with OD58 tool.

U-Type Dies

CAT. NO.	DESCRIPTION OR COLOR CODE
B58CS	5/8 Die Set
HO	O Die Set
HD	D Die Set
HN	N Die Set
HU	U Die Set
HBKC	BKC
HBKT	BKT
B24EA	EEI 8A
B30EA	EEI 9A
B39EA	EEI 10A
B49EA	EEI 11A (840)
B61EA	EEI 12A
B80EA	EEI 13A
B20AH	EEI 14A
B71AH	—
B72AH	—
B73AH	—
B74AH	—
B75AH	—
B76AH	—
B76SH	—
B06CHI	Pink/Gold
B08CHI	Tan/Orange
B09CHI	Olive/Purple
B11CH	Red/Blue
B10SH	—
B05CH	Green
B26CH	Ruby/Yellow
B71CH	Red
B72CH	Black
B73CH	Blue
B74CH	Gray
B75CH	Brown
B76CH	Pink
B10CHI	White
B12CHI	Brown

Compression Connectors

Tool and Die Index for Short Barrel — Types CTL, CTL-2 and CSP

COPPER STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN® TOOLS						BURNDY® TOOLS				T&B® TOOLS					ANDERSON TOOLS				
		CRIMPS		MECH.	CRIMPS	CRIMPS	CRIMPS	CRIMPS	HYD.	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	
		MECH. OD58	PER END	NRG 2506	PER END	HYD. JB12B•	PER END	MECH. MY29-3	PER END	HYD. Y35, Y39, Y46	PER END	MECH. TBM5S	PER END	MECH. TBM8S	PER END	HYD. TBM15	PER END	CU WIRE RANGE	VC6† VC6FT	VC7† VC7FT	VC8C†† VC8C††
8	RED	7/32	3	**	1	B71CH	1	**	1			13454	2	13461	2	21	2				
6	BLUE	J 1/4	3	**	1	B73CH	1	**	1	U5CRT	2	13454	2	13461	2	24	2				
4	GRAY	5/16	3	**	1	B74CH	1	**	1	U4CRT	2	13454	2	13461	2	29	2				
3	WHITE			**	2			**	2	U3CRT	2										
2	BROWN	3/8	4	**	2	B75CH	1	**	2	U2CRT	2	13454	2	13461	2	33	2	6-2	1*	2	
1	GREEN	P	4	**	2	B05CH	1	**	2	U1CRT	2	13455	3	13462	3	37	2	6-1	1	2	
1/0	PINK	1/2	4	**	2	B06CHI	2	**	2	U25RT	2	13455	3	13462	3	42H	3	6-1/0	1	2	
2/0	BLACK	17/32	4	**	2	B72CH	1	**	2	U26RT	2	13455	3	13462	3	45	2	4-2/0	1	2	
3/0	ORANGE	9/16	4	**	2	B08CH	1	**	2	U27RT	2	13455	4	13462	4	50	2	2-3/0	2	2	
4/0	PURPLE	5/8-1	4	**	2	B09CH	2	**	2	U28RT	2	13456	4	13463	4	54H	3	1-4/0	2	2	
250	YELLOW	11/16	4	**	2	B26CH	2	**	2	U29RT	2	13456	4	13463	4	62	2	1/0-250†	2	2	
300	WHITE					B10CHI B10CH	2			U30RT	2			13465	4	66	2	2/0-300†	2	2	
350	RED					B11CH	2			U31RT	2			13465	4	71H	3	3/0-350†	2	3	
400	BLUE					B11CH	2			U32RT	3			13467	4	76	2	4/0-400†	2	3	
500	BROWN					B12CHI B12CH	2			U34RT	3			13468	5	87H	3	4/0-500V	2	3	
600	GREEN					B36CH¹	3			U36RT³	3				94H	3	250-600		3 VC7FT only		
750	BLACK					B39CH¹ 6039RT²	3 1			U39RT³	3				106H	3	500-750		4 VC7FT only	2	
1000	—					6044RT²	1			P44RT⁴	4				125H	4	750-1000			2	

Tool and Die Index for Long Barrel — Types CTL-L, LCN and CU

COPPER STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN® TOOLS						BURNDY® TOOLS				T&B® TOOLS					ANDERSON TOOLS				
		CRIMPS		MECH.	CRIMPS	CRIMPS	CRIMPS	CRIMPS	HYD.	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS	CRIMPS
		MECH. OD58	PER END	NRG 2506	PER END	HYD. JB12B•	PER END	MECH. MY29-3	PER END	HYD. Y35, Y39, Y46	PER END	MECH. TBM5S	PER END	MECH. TBM8S	PER END	HYD. TBM15	PER END	CU WIRE RANGE	VC6† VC6FT	VC7† VC7FT	VC8C†† VC8C††
8	RED	7/32	4	**	2	B71CH	2	**	2			13454	2	13461	2	21	3				
6	BLUE	J 1/4	4	**	2	B73CH	2	**	2	U5CRT	2	13454	2	13461	2	24	3				
4	GRAY	5/16	4	**	2	B74CH	2	**	2	U4CRT	2	13454	2	13461	2	29	3				
3	WHITE			**	3			**	3	U3CRT	2										
2	BROWN	3/8	5	**	3	B75CH	2	**	3	U2CRT	2	13454	2	13461	2	33	3	6-2	2	4	
1	GREEN	P	5	**	3	B05CH	2	**	3	U1CRT	2	13455	4	13462	3	37	3	6-1	2	5	
1/0	PINK	1/2	5	**	3	B06CHI	2	**	3	U25RT	2	13455	4	13462	4	42H	4	6-1/0	2	5	
2/0	BLACK	17/32	5	**	3	B72CH	2	**	3	U26RT	2	13455	4	13462	4	45	3	4-2/0	2	5	
3/0	ORANGE	9/16	5	**	4	B08CH	2	**	4	U27RT	3	13455	6	13462	6	50	3	2-3/0	3	6	
4/0	PURPLE	5/8-1	6	**	4	B09CH	3	**	4	U28RT	3	13456	6	13463	6	54H	5	1-4/0	3	6	
250	YELLOW	11/16	6	**	4	B26CH	3	**	4	U29RT	3	13456	6	13463	6	62	3	1/0-250	3	6	
300	WHITE					B10CHI B10CH	3			U30RT	3			13465	6	66	3	2/0-300	3	6	
350	RED					B11CH	3			U31RT	4			13465	6	71H	4	3/0-350	3	6	
400	BLUE					B11CH	3			U32RT	4			13467	6	76	3	4/0-400	3	6	
500	BROWN					B12CHI B12CH	4			U34RT	5			13468	8	87H	4	4/0-500	3	6	2††
600	GREEN					B36CH¹	6			U36RT³	5				94H	4	250-600		8 VC7FT only	3†††	
750	BLACK					B39CH¹ 6039RT²	6 2			U39RT³	6				106H	6	500-750		9 VC7FT only	4	
1000	—					6044RT²	2			P44RT⁴	6				125H	5	750-1000			2	

* CSA Listed range 4-2 with VC6 and VC6FT

** Adjustable Indent Tool, no insert dies required

• JB12A, JB12B, HCT1239, HCT7508-12, HCT7508H

¹ HCT7508-12, HCT1239, HCT7508H only

² JB60A, JB60B only

³ Y39, Y46 only

⁴ Y46 only

† Users of VC6 and VC7 tools must strip off an extra 1/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CU connectors

†† Also use VC8 tool with aluminum nibs

††† VC8 tool crimps 500 kcmil only

†††† VC8 tool crimps 500-600 kcmil only

Compression Connectors

For flexible rope stranded or flexible stranded tinned copper locomotive conductor, welding cable and portable cord.

Tool and Die Index for Short Barrel — Types CTL, CTL-2 and CSP

CONDUCTOR TYPE					BLACKBURN® TOOLS	BURNDY® TOOLS				T&B® TOOLS		ANDERSON TOOLS					
LOCOMOTIVE		WELDING CABLE	PORTABLE CORD	STRANDED CU AWG SIZE	DIE COLOR CODE	HYD. JB12B*	CRIMPS PER END	MECH. MY29-11	CRIMPS PER END	HYD. Y35 Y39 Y46	CRIMPS PER END	HYD. TBM15	CRIMPS PER END	CU WIRE RANGE FOR LOCOMOTIVE CABLE	VC6 [†] VC6FT	VC7 [†] VC7FT	VC8 ^{††} VC8FT
SIZE	STRANDING																
6	37/24	—	8	8	RED	B71CH	1	**	1	—	—	21	2				
6	61/24	6	6	6	BLUE	B73CH	1	**	1	U5CD-1 Y34PR ³	1	24	2				
5	91/24			4	GRAY	B74CH	1	**	1	U4CD-1 Y34PR	1	29	2				
4	105/24	4	4	3	WHITE			**	2	U3CD-1 Y34PR	1						
3	125/24	3	3	2	BROWN	B75CH	1	**	2	U2CD-1 Y34PR	1	33	2	4-3	1	2	
2	150/24	2	2	1	GREEN	B05CH	1	**	2	U1CD-1 Y34PR	1	37	2	4-2	1	2	
1	225/24	1	1	1/0	PINK	B06CHI	2	**	2	U250-1 Y34PR	1	42H	3	4-1	1	2	
1/0	275/24	1/0	1/0	2/0	BLACK	B72CH	1	**	2	U26CD-1 Y34PR	1	45	2	4-1/0	1	2	
2/0	325/24	2/0	2/0	3/0	ORANGE	B08CH	1	**	2	U270-1 Y34PR	2	50	2	2-2/0	2	2	
—	—	3/0	3/0	4/0	PURPLE	B09CH	2	**	2	U280-1 Y34PR	2	54H	3				
3/0	450/24	4/0		250	YELLOW	B26CH	2	**	2	U290-1 Y34PR ³	2	62	2	1/0-3/0 [†]	2	2	
4/0	550/24		4/0	300	WHITE	B12CHI B12CH	2			U300-1 Y34PR ³	2	66	2	2/0-4/0 [†]	2		
263	650/24			300	RED	B11CH	2			U310-1 Y34PR ³	2	71H	3	3/0-263 [†]	2	3	
313	775/24			400	BLUE	B11CH	2			Y320-1 Y34PR ³	2	76	2	4/0-313V	2	3	
373	925/24			500	BROWN	B10CHI B10CH	2			U340-1 Y34PRV		87H	3	4/0-373 [†]	2	3	2 ^{†††}
444	1100/24			600	GREEN	B36CH	3			C360 Y46PR ⁴	2	94H	3	262-444		3 VC7FT Only	2 ^{†††}
535	1325/24			750	BLACK	B39CH ¹ 6039RT ²	1			C390 Y46PR ⁴	2	106H	3	373-535		4 VC7FT Only	2
646	1600/24																
777	1925/24			1000	—	6044RT ²	1			C440 Y46PR ⁴	2	125H	4	535-777			2

* JB12A, JB12B, HCT7508-12, HCT7508H, HCT1239

** Adjustable Indent Tool, no insert dies required

¹ HCT7508-12, HCT7508H, HCT1239 only

² JB60A, JB60B only

³ Y39 only

⁴ Y48B only

[†] User of VC6 and VC7 tools must strip off an extra 1/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CSP connectors

^{††} Also use VC8 tool with aluminum nibs

^{†††} VC8 tool crimps 500 kcmil only

Compression Connectors

For flexible rope stranded or flexible stranded tinned copper locomotive conductor welding cable and portable cord.

Tool and Die Index for Long Barrel — Types CTL-L, LNC and CU

CONDUCTOR TYPE					BLACKBURN® TOOLS		BURNDY® TOOLS				T&B® TOOLS		ANDERSON TOOLS				
LOCOMOTIVE		WELDING CABLE	PORTABLE CORD	STRANDED CU AWG SIZE	DIE COLOR CODE	HYD. JB12B*	CRIMPS PER END	MECH. MY29-11	CRIMPS PER END	HYD. Y35 Y39 Y46	CRIMPS PER END	HYD. TBM15	CRIMPS PER END	CU WIRE RANGE FOR LOCOMOTIVE CABLE	VC6† VC6FT	VC7† VC7FT	VC8‡ VC8FT
SIZE	STRANDING																
8	37/24	—	8	8	RED	B71CH	2	**	2	—	—	21	3				
6	61/24	6	6	6	BLUE	B73CH	2	**	2	U5CD-1 Y34PR ³	2	24	3				
6	91/24			4	GRAY	B74CH	2	**	2	U4CD-1 Y34PR	2	29	3				
4	105/24	4	4	3	WHITE			**	3	U3CD-1 Y34PR	2						
3	125/24	3	3	2	BROWN	B75CH	2	**	3	U2CD-1 Y34PR	2	33	3	4-2	2	4	
2	150/24	2	2	1	GREEN	B05CH	2	**	3	U1CD-1 Y34PR	2	37	3	4-2	2	5	
1	225/24	1	1	1/0	PINK	B06CHI	3	**	3	U250-1 Y34PR	2	42H	4	4-1	2	5	
1/0	275/24	1/0	1/0	2/0	BLACK	B72CH	2	**	3	U26CD-1 Y34PR	2	45	3	4-1/0	2	5	
2/0	325/24	2/0	2/0	3/0	ORANGE	B08CH	2	**	4	U270-1 Y34PR	2	50	3	2-2/0	3	6	
—	—	3/0	3/0	4/0	PURPLE	B09CH	3	**	4	U280-1 Y34PR	3	54H	5				
3/0	450/24	4/0		250	YELLOW	B26CH	3	**	4	U290-1 Y34PR ³	3	62	3	1/0-3/0†	3	6	
4/0	550/24		4/0	300	WHITE	B12CHI B12CH	3			U300-1 Y34PR ³	3	66	3	2/0-4/0†	3	6	
263	650/24			350	RED	B11CH	3			U310-1 Y34PR ³	3	71H	4	3/0-263†	3	6	
313	775/24			400	BLUE	B11CH	2			Y320-1 Y34PR ³	3	76	3	4/0-313†	3	6	
373	925/24			500	BROWN	B2CHI B12CH	4			U340-1 Y34PR ³		87H	3	4/0-373†	3	6	3††
444	1100/24			600	GREEN	B36CH	6			C360 Y46PR ⁴	2	94H	4	262-444		8 VC7FT Only	3††
535	1325/24			750	BLACK	B39CH ¹ 6039RT ²	2			C390 Y48PR ⁴	2	106H	6	373-535		9 VC7FT Only	4
646 777	1600/24 1925/24			1000	—	6044RT ²	2			C440 Y46PR ⁴	2	125H	5	535-777			4
1111	2750/24			1500	—	6030AH ²	2			C460 Y46PR ⁴	2	—	—	1111	—	—	4

* JB12A, JB12B, HCT7508-12, HCT7508H, HCT1239

** Adjustable Indent Tool. No insert dies required

¹ HCT7508-12, HCT7508H, HCT1239 only

² JB60A, JB60B only

³ Y39 only

⁴ Y48B only

† User of VC6 and VC7 tools must strip off an extra 1/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CSP connectors

†† Also use VC8 tool with aluminum nibs

††† VC8 tool crimps 500 kcmil only

Compression Connectors

Tool and Die Index for One- and Two-Hole Lugs, Splices — Types ATL and ASP

AL OR CU STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN® TOOLS						BURNDY® TOOLS				T&B® TOOLS					ANDERSON TOOLS		
		MECH. OD58	CRIMPS PER END	MECH. NRG 2506	CRIMPS PER END	HYD. JB12B+	CRIMPS PER END	MECH. MY29-3	CRIMPS PER END	HYD. Y35, Y39	CRIMPS PER END	MECH. TBM5S	CRIMPS PER END	MECH. TBM8S	CRIMPS PER END	HYD. TBM15	CRIMPS PER END	AL OR CU WIRE RANGE	VC6 [†] VC6FT VC8C (CRIMPS PER END)
8	BLUE	¼	2	**	1	B73CH	1	**	1	U8CABT	1	13454	2	13461	2	24	2		
6	GRAY	⅜	2	**	1	B74CH	1	**	1	U6CABT	2	13454	2	13461	2	29	2		
4	GREEN	P	3	**	2	B05CH	1	**	2	U4CABT	2	13455	2	13462	2	37	2		
2	PINK	½	4	**	2	B06CHI	2	**	2	U2CABT	2	13455	3	13462	3	42H	3	6-2	2
1	GOLD	½-1	3	**	2	B06CHI	2	**	2	U1CABT	2	13455	3	13464	3	45	2	4-1	2
1/0	TAN	⅞	4	**	2	B06CH	2	**	2	U25ART	2	13457	3	13464	3	50	2	6-1/0	2
2/0	OLIVE	⅞-1	4	**	2	B09CH	2	**	2	U26ART	2	13457	3	13464	3	54H	3	4-2/0	2
3/0	RUBY	688	5	**	2	B26CH	2	**	2	U27ART	2	13457	3	13464	3	60	2	4-3/0	2
4/0	WHITE	781	5	**	2	B10CHI	2	**	2	U28ART	2	13457	3	13465	4	66	3	2-4/0	2
250	RED	781	5	**		B11CH	3	**	2	U29ART	2	13473	4	13466	5	71H	4	1/0-250 [†]	2
300	BLUE	840				B11CH	3			U30ART	2					76	2	1/0-300 [†]	
350	BROWN					B12CH	4			U31ART	2			13468	7	87H	4	2/0-350 [†]	2
400	GREEN					B36CH	6			U32ART	4					94	2	3/0-400 [†]	2
500	PINK					B76CH	4			U34ART	4					99H	4	4/0-500 [†]	2
600	BLACK					6039RT ¹	2			U36ART	4					106	2	350-600 AL 350-600 CU	3 ^{††}
750	—					6024AH ¹	1	U39RT2 ²	4	U39ART-2 ³	4					125H	5	500-750 AL 600 CU	2 ^{†††}
1000	—					6030AH ¹	2	P44ART ²	3							150H	5	750-1000 AL	2 ^{†††}

• JB12A, JB12B, HCT7508-12, HCT1239

** Adjustable Indent Tool, no insert dies required

¹ JB60A, JB60B only

² Y46 only

³ Y39 only

[†] Users of VC6 and VC7 tools must strip off an extra 1/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CU connectors

^{††} VC6FT tool only

^{†††} With AL nibs for VC8C