

## Material

- Aluminum
- Carbon Steel
- Stainless Steel

Pins (HEAD STYLE) - (MATERIAL) (DIAMETER) - (GRIP NUMBER) - (COATING) C50L

Example: C50LR-BR16-4 is a C50L HUCKBOLT fastener, Round Head, Carbon Steel, 1/2" Diameter, Grip 4

BOLT HEAD STYLE	PREFIX
Round	R
Truss	T
Stainless Cap	C
Large Truss	30
90° Flush	90
60° Flush	60

BOLT MATERIAL	CODE
Carbon Steel	BR
Aluminum special order only	
Stainless Steel available on request	

DIA.	CODE
1/2"	16
5/8"	20
3/4"	24
7/8"	28
1"	32
1-1/8"	36
1-3/8"	44

GRIP
Refer to Grip Tables

FINISH	SUFFIX
ZincPlate, Clear Chromate.0003"	G
ZincPlate, Clear Chromate.0004"	GA
Geomet-1 Coat	NP
Geomet-2 Coat	D1
Geomet-3 Coat	DL
Oil Finish	no suffix

COLLARS (COLLAR STYLE) - (MATERIAL) (DIAMETER) (COATING) (OPTIONS)

Example: LC-2R16G is a Standard Collar, Low Carbon Steel, 1/2" Diameter, Zinc Finish

COLLAR STYLE	PREFIX
Standard	LC-
Flanged	3LC-
Low Profile	8LC-
Low Profile(44)	AC-R44

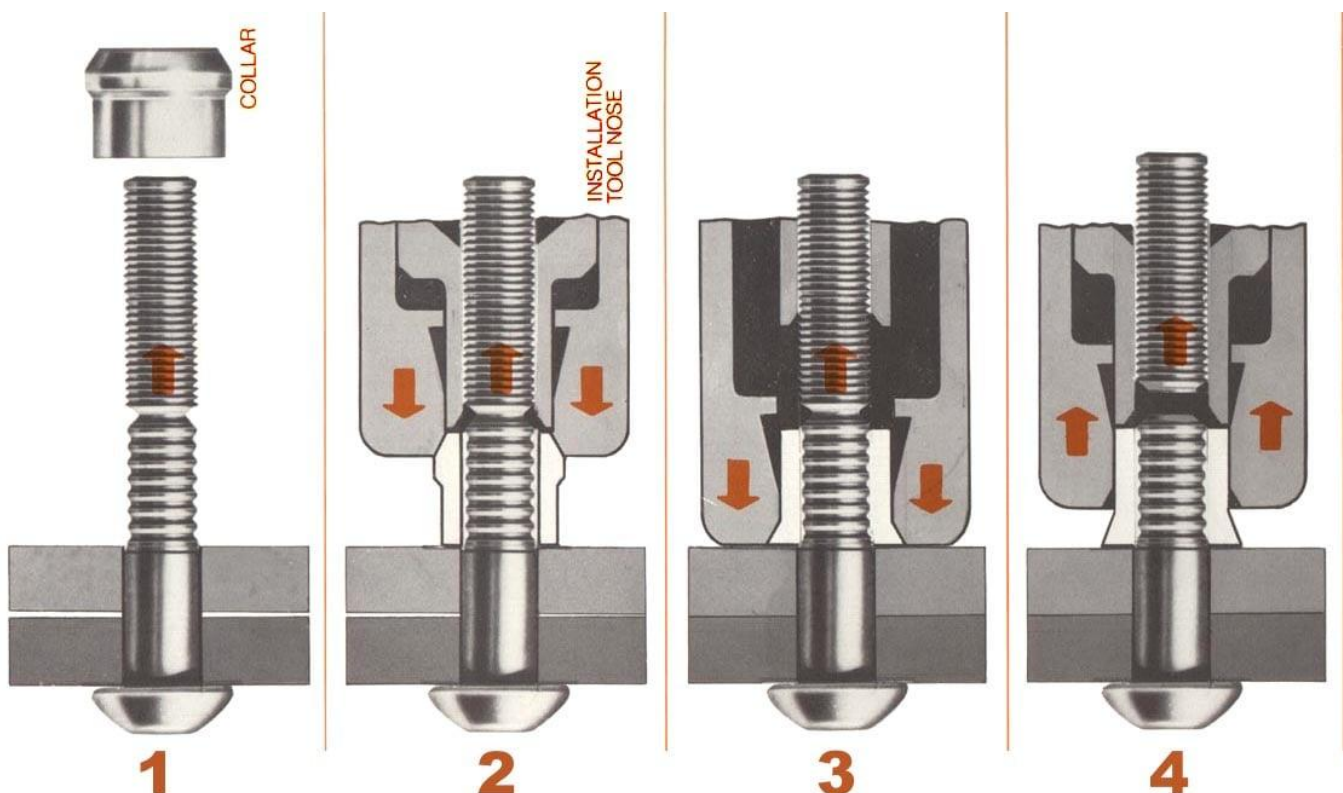
MATERIAL	CODE
Low Carbon Steel	2R
Aluminum special order only	

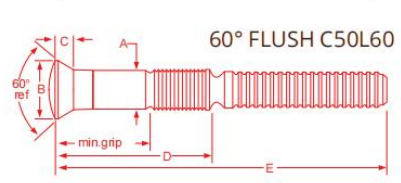
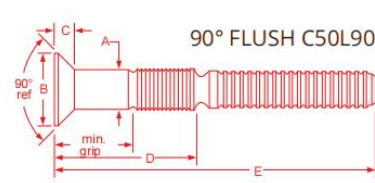
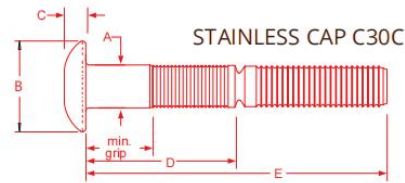
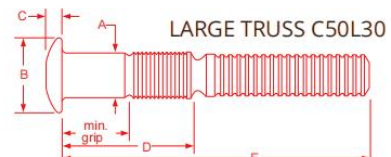
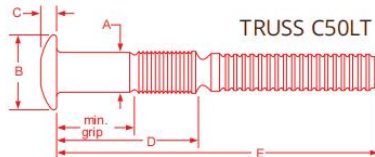
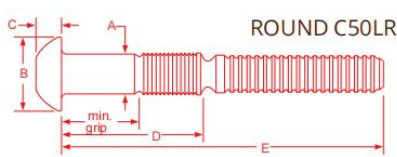
DIAMETER	CODE
1/2"	16
5/8"	20
3/4"	24
7/8"	28
1"	32
1-1/8"	36
1-3/8"	44

COATING	CODE
Zinc	G
Additional coating options available	

OPTIONS	SUFFIX
Tab-Lok	L

## Installation





## Fastener Dimensions

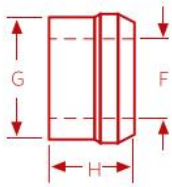
DIA.	CODE	A	ROUND HEAD		TRUSS HEAD C50LT		LARGE TRUSS HEAD C50L30		90°FLUSH HEAD		STAINLESS STEEL CAPPED HEAD		60° FLUSH C50L60	
			B	C	B	C	B	C	B	C	B	C	B	C
1/2"	16	.493 - .515	.870- .940	.310- .320	.875- .938	.215- .260	1.027- 1.09	.251- .281	.870- .940	.225- .239	—	—	—	—
5/8"	20	.617 - .642	1.086- 1.196	.367- .432	1.086- 1.196	.267- .432	1.288- 1.375	.298- .328	1.093- 1.183	.284- .300	1.33- 1.44	.33- .39	—	—
3/4"	24	.740- .770	1.328- 1.438	.455- .530	1.328- 1.438	.323- .398	—	—	1.312- 1.417	.350- .380	—	—	1.101- 1.125	.337- .357
7/8"	28	.865- .900	1.540- 1.660	.530- .580	1.540- 1.660	.395- .445	—	—	1.531- 1.655	.396- .430	—	—	1.298- 1.338	.393- .413
1"	32	1.025 - .990	1.750- 2.000	.590- .650	—	—	—	—	1.750- 1.895	.473- .501	—	—	1.478- 1.522	.454- .474
1-1/8"	36	1.095 - 1.125	2.000- 2.125	.656- .720	—	—	—	—	—	—	—	—	1.661- 1.715	.506- .526
1-3/8"	44	1.400 - 1.350	2.470- 2.590	.815- .880	—	—	—	—	2.448- 2.572	.648- .703	—	—	—	—

## Grip Tables\*

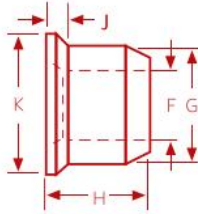
GRIP	GRIP RANGE	1/2" (16)		5/8" (20)		3/4" (24)		7/8" (28)		1" (32)		1-1/8" (36)		1-3/8" (44)
		D	E	D	E	D	E	D	E	D	E	D	E	GRIP RANGE
4	.250-500	1.213	3.172	1.433	3.656	1.518	4.156	—	—	—	—	—	—	—
8	.500-750	1.463	3.422	1.683	3.906	1.768	4.406	1.921	4.688	2.073	5.375	—	—	—
12	.750-1.000	1.713	3.672	1.933	4.156	2.018	4.656	2.171	4.938	2.323	5.625	—	—	—
16	1.000-1.250	1.963	3.922	2.183	4.406	2.268	4.906	2.421	5.188	2.573	5.875	—	—	—
20	1.250-1.500	2.213	4.172	2.433	4.656	2.518	5.156	2.671	5.438	2.823	6.125	—	—	—
24	1.500-1.750	2.463	4.422	2.683	4.906	2.768	5.406	2.921	5.688	3.073	6.375	—	—	—
28	1.750-2.000	2.713	4.672	2.933	5.156	3.018	5.656	3.171	5.938	3.323	6.625	—	—	—
32	2.000-2.250	2.963	4.922	3.183	5.406	3.268	5.906	3.421	6.188	3.573	6.875	—	—	—
36	2.250-2.500	3.213	5.172	3.433	5.656	3.518	6.156	3.671	6.438	3.823	7.125	—	—	—
40	2.500-2.750	3.463	5.422	3.683	5.906	3.768	6.406	3.921	6.688	4.073	7.375	—	—	—
44	2.750-3.000	3.713	5.672	3.933	6.156	4.018	6.656	4.171	6.938	4.323	7.625	—	—	—
48	3.000-3.250	3.963	5.922	4.183	6.406	4.268	6.906	4.421	7.188	4.573	7.875	—	—	—
52	3.250-3.500	4.213	6.172	4.433	6.656	4.518	7.156	4.671	7.438	4.823	8.125	—	—	—
56	3.500-3.750	4.463	6.422	4.683	6.906	4.768	7.406	4.921	7.688	5.073	8.375	5.25	8.563	—
60	3.750-4.000	4.713	6.672	4.933	7.156	5.018	7.656	5.171	7.938	5.323	8.625	5.5	8.813	—
64	4.000-4.250	4.963	6.922	5.183	7.406	5.268	7.906	5.421	8.188	5.573	8.875	5.75	9.063	—
68	4.250-4.500	5.213	7.172	5.433	7.656	5.518	8.156	5.671	8.438	5.823	9.125	6	9.313	—
72	4.500-4.750	5.463	7.422	5.683	7.906	5.768	8.406	5.921	8.688	6.073	9.375	6.25	9.563	—
76	4.750-5.000	5.713	7.672	5.933	8.156	6.018	8.656	—	—	6.323	9.625	6.5	9.813	—
80	5.000-5.250	5.963	7.922	—	—	—	—	—	—	6.573	9.875	6.75	1.063	—
84	5.250-5.500	—	—	—	—	—	—	—	—	6.823	1.125	7	1.313	—
88	5.500-5.750	—	—	—	—	—	—	—	—	7.073	1.375	7.25	1.563	—
92	5.750-6.000	—	—	—	—	—	—	—	—	7.323	1.625	7.5	1.813	—

Up to 34.25" Call for Data

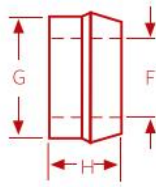
Standard-LC  
LC-2R



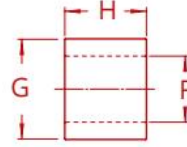
Flanged-3LC<sup>1</sup>



Low Profile-8LC<sup>2</sup>



AC-R44



**Collar Dimensions**

STYLE	DIA.	F	G	H	J	K	L
LC	1/2"	.515-.540	.765-.800	.610-.645	—	—	—
	5/8"	.650-.665	.970-.985	.845-.875	—	—	—
	3/4"	.776-.790	1.165-1.180	.930-.960	—	—	—
	7/8"	.896-.920	1.355-1.375	1.083-1.120	—	—	—
	1"	1.030-1.050	1.550-1.575	1.235-1.280	—	—	—
	1-1/8"	1.150-1.180	1.740-1.770	1.390-1.440	—	—	—
3LC	1/2"	.510-.535	.793-.807	.726-.756	.094-.156	.969-1.031	—
	5/8"	.650-.665	.980-.996	.929-.959	.125-.187	1.218-1.281	—
	3/4"	.776-.790	1.170-1.195	1.109-1.155	.156-.218	1.480-1.525	—
	7/8"	.896-.920	1.360-1.370	1.293-1.339	.187-.250	1.570-1.615	—
	1"	1.030-1.050	1.550-1.565	1.485-1.515	.218-.281	1.843-1.906	—
	1-1/8"	1.160-1.175	1.750-1.760	1.675-1.715	.273-.289	2.105-2.145	—
8LC	1/2"	.515-.535	.780-.800	.470-.500	—	—	.140-.145
	5/8"	.640-.665	.972-.982	.670-.700	—	—	0.175
	3/4"	.775-.790	1.165-1.180	.715-.745	—	—	0.215
	7/8"	.910-.930	1.360-1.375	.833-.863	—	—	.250-.257
	1"	1.030-1.050	1.552-1.568	.950-.980	—	—	.285-.300
AC-R44	1-3/8"	1.409-1.419	2.147-2.157	1.738-1.762	—	—	—

**Installed Fastener Values**

DIA.	HOLE DATA (MAX HOLE)	CARBON STEEL PINS LC-2ROR3LC-2RCOLLARS (MINLBF)			2024C ALUMINUM PINS LC-FOR3LC-FCOLLARS (MINLBF)			6061F ALUMINUM PINS LC-IOR3LC-ICOLLARS (MINLBF)			CARBON STEEL PINS 8LC-2RCOLLARS (MINLBF)		
		SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE
1/2"	0.563	14400	12050	17050	7300	5900	7850	5300	4400	4900	14400	9650	13650
5/8"	0.688	22500	19200	27100	11400	9200	12300	8300	6900	7670	22500	15360	21700
3/4"	0.813	32400	28400	40100	16400	13300	17700	11900	9950	11040	32400	22720	32100
7/8"	0.938	43400	39250	55450	special order only						43400	31400	44350
1"	1.063	56500	51500	72700							56500	41200	58150
1-1/8"	1.188	69500	58450	82950	—	—	—	—	—	—	69500	46760	66360
1-3/8"	1.5	100000	85000	129500	—	—	—	—	—	—	—	—	—

