



Lockbolts, Structural Blind Fasteners and Tooling



C6L®

The Classic 6-Groove Locking Fastener Built With Staying Power

A result of Huck International innovation a half-century ago, the versatile C6L® HuckBolt® remains the number one fastening system for applications that require a strong, vibration-resistant seal today.

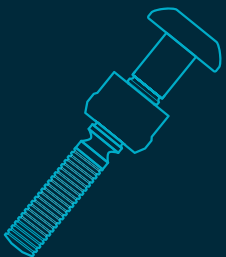
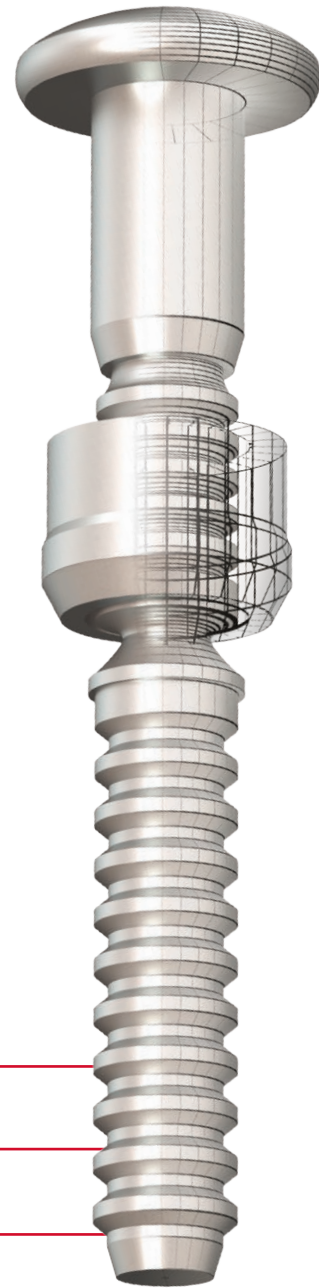
C6L's exclusive locking groove design ensures a permanent fit that resists loosening. That means it's ideal for applications from general manufacturing to such high-vibration applications as HVAC, trailer and container assembly, rotary and rotating equipment, shopping carts, railroad and transit cars, geodesic structures, and many others.

In addition to offering superior fastening performance, the C6L system reduces labor and installation costs, along with rework and warranty expenses. Using the C6L eliminates the need to hire certified welders or specially trained employees because workers can be instructed to install these foolproof fasteners in a matter of minutes. The C6L is simply stronger, easier to install, and more durable than welding, adhesives, or conventional threaded fastening systems. The C6L is available in Grade 2, Grade 5, and Grade 8.

Available Sizes 3/16", 1/4", 5/16", 3/8"

Materials Steel, Aluminum, Stainless Steel

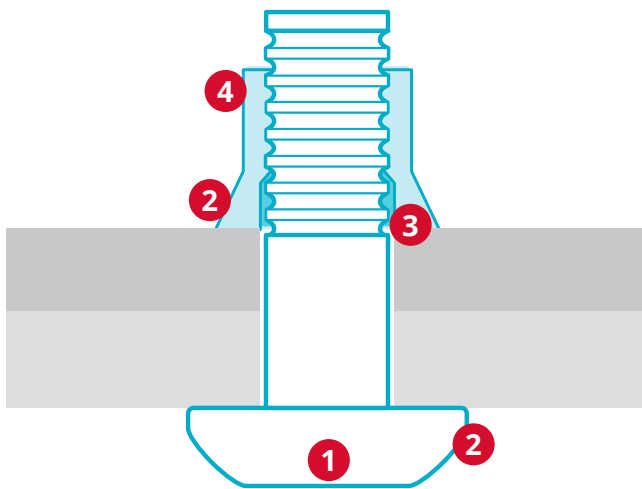
Headstyles Round, Truss, Flush, 98T



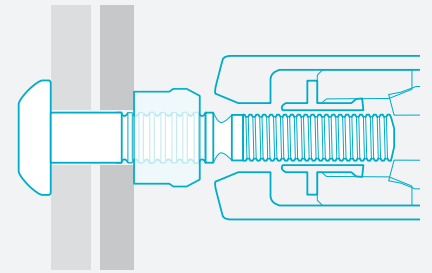
- ✓ Superior vibration resistance
- ✓ Heavy-duty applications
- ✓ High shear and tensile strength, and fatigue life
- ✓ High uniform clamp force

Secure, Fast Installation

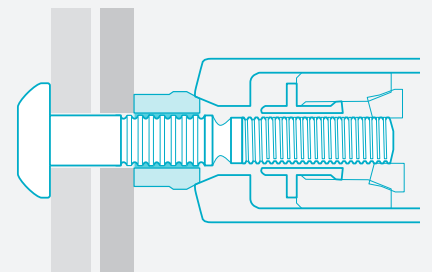
The C6L's unique design virtually eliminates installation errors caused by operator or tool variables. The C6L ensures that once the collar swage is complete, the pintail breaks off and the fastener is tightly installed. No rework required. You can count on consistent, highly-uniform clamp force with every C6L installation, time after time.



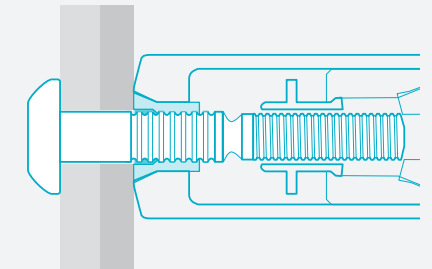
- 1 Wide bearing collar and head spread load to ensure structural integrity.
- 2 Initial long length of fastener enables pull-out of large gaps.
- 3 Excellent gap pull-out and high retained clamp.
- 4 High-fatigue, annular lock groove form extends the life of your structure.



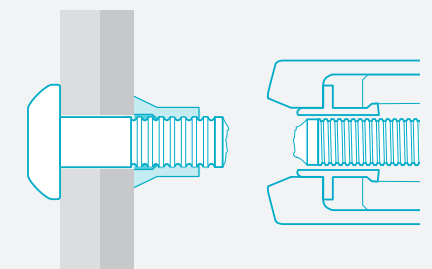
- 1 Insert pin into the prepared hole and the smooth bore collar is placed on the pin.



- 2 The installation tool is applied to the pintail. When the tool is activated, the jaws in the nose assembly pull on the pintail and the nose anvil pushes on the collar to remove any gap.

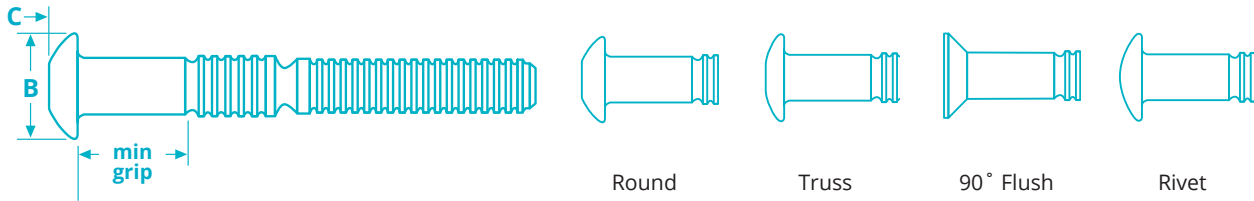


- 3 The nose anvil starts to swage the collar into the lockgrooves on the pin. Continued swaging causes the collar to lengthen and develop clamp.



- 4 When swaging of the collar into the lockgrooves is complete, the tool ejects the fastener and releases the puller to complete the sequence.

C6L® Data and Dimensions



Steel Pin - Zinc Plated

DIAMETER	PART NO.	GRIP RANGE	MAX HOLE SIZE	[B] HEAD DIA	[C] HEAD HEIGHT	MIN. SHEAR (LBF)	MIN. CLAMP (LBF)	MIN. TENSILE (LBF)
Round Head								
1/4"	C6LB-R8-2G	.063-.188	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-3GA	.125-.250	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-4G	.188-.313	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-5G	.250-.375	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-6G	.313-.438	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-7G	.375-.500	.281	.475-.525	.136-.152	3050	1805	2550
	C6LB-R8-8G	.438-.563	.281	.475-.525	.136-.152	3050	1805	2550
5/16"	C6LB-R10-4G	.125-.375	.359	.594-.656	.181-.201	4725	2810	4600
	C6LB-R10-6G	.250-.500	.359	.594-.656	.181-.201	4725	2810	4600
	C6LB-R10-8G	.375-.625	.359	.594-.656	.181-.201	4725	2810	4600
3/8"	C6LB-R12-4G	.125-.375	.422	.720-.780	.223-.248	6825	4020	5625
	C6LB-R12-6G	.250-.500	.422	.720-.780	.223-.248	6825	4020	5625
	C6LB-R12-8G	.375-.625	.422	.720-.780	.223-.248	6825	4020	5625
	C6LB-R12-10G	.500-.750	.422	.720-.780	.223-.248	6825	4020	5625
	C6LB-R12-12G	.625-.875	.422	.720-.780	.223-.248	6825	4020	5625
C6LB-R12-14G	.750-1.000	.422	.720-.780	.223-.248	6825	4020	5625	
Truss Head								
1/4"	C6LT-R8-4GA	.188-.313	.281	.531-.594	.103-.115	3050	1805	2550
	C6LT-R8-5GA	.250-.375	.281	.531-.594	.103-.115	3050	1805	2550
	C6LT-R8-7GA	.375-.500	.281	.531-.594	.103-.115	3050	1805	2550
	C6LT-R8-8GA	.438-.563	.281	.531-.594	.103-.115	3050	1805	2550
3/8"	C6LT-R12-4G	.125-.375	.422	.828-.922	.186-.202	6825	4020	6500
	C6LT-R12-6G	.250-.500	.422	.828-.922	.186-.202	6825	4020	6500
	C6LT-R12-8G	.375-.625	.422	.828-.922	.186-.202	6825	4020	6500
	C6LT-R12-10G	.500-.750	.422	.828-.922	.186-.202	6825	4020	6500

*Grip range and hole size calculated using a 2LC collar

Aluminum Pin

DIAMETER	PART NO.	GRIP RANGE	MAX HOLE SIZE	[B] HEAD DIA	[C] HEAD HEIGHT	MIN. SHEAR (LBF)	MIN. CLAMP (LBF)	MIN. TENSILE (LBF)
Round Head								
1/4"	C6LB-C8-4	.188-.313	.281	.713-.787	.136-.152	1875	950	1800
3/8"	C6LB-C12-6	.250-.500	.422	.713-.787	.223-.248	4200	2200	4200
	C6LB-C12-8	.375-.625	.422	.713-.787	.223-.248	4200	2200	4200
	C6LB-C12-10	.500-.750	.422	.713-.787	.223-.248	4200	2200	4200
	C6LB-C12-12	.625-.875	.422	.713-.787	.223-.248	4200	2200	4200

NOTE: Part numbers listed reflect typical stock. Additional Head Styles, material, diameter and grips may be available. All parts may be subject to minimum order.

C6L[®] Data and Dimensions

Steel Pin - Zinc Plated - Stainless Steel Cap

DIAMETER	PART NO.	GRIP RANGE	MAX HOLE SIZE	[B] HEAD DIA (MAX)	[C] HEAD HEIGHT (MAX)	MIN. SHEAR (LBF)	MIN. CLAMP (LBF)	MIN. TENSILE (LBF)
Truss Head								
1/4"	C6LTC-R8-3G	.125-.250	.281	.610	.165	3050	1805	2550
	C6LTC-R8-4G	.188-.313	.281	.610	.165	3050	1805	2550
	C6LTC-R8-5G	.250-.375	.281	.610	.165	3050	1805	2550
	C6LTC-R8-6G	.313-.438	.281	.610	.165	3050	1805	2550
	C6LTC-R8-7G	.375-.500	.281	.610	.165	3050	1805	2550
	C6LTC-R8-8G	.438-.563	.281	.610	.165	3050	1805	2550
	C6LTC-R8-9G	.500-.625	.281	.610	.165	3050	1805	2550
3/8"	C6LTC-R12-4G	.125-.375	.422	.860	.210	6825	4020	5625
	C6LTC-R12-6G	.250-.500	.422	.860	.210	6825	4020	5625
	C6LTC-R12-8G	.375-.625	.422	.860	.210	6825	4020	5625
	C6LTC-R12-10G	.500-.750	.422	.860	.210	6825	4020	5625
	C6LTC-R12-12G	.625-.875	.422	.860	.210	6825	4020	5625
	C6LTC-R12-14G	.750-1.000	.422	.860	.210	6825	4020	5625

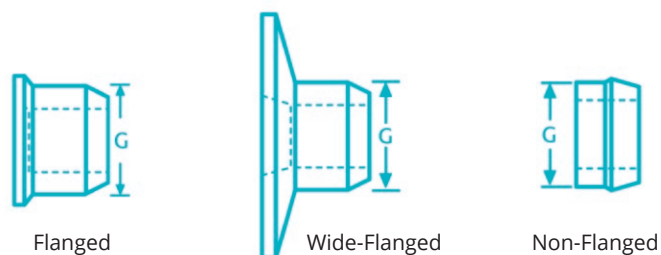
Stainless Steel Pin

DIAMETER	PART NO.	GRIP RANGE	MAX HOLE SIZE	[B] HEAD DIA	[C] HEAD HEIGHT	MIN. SHEAR (LBF)	MIN. CLAMP (LBF)	MIN. TENSILE (LBF)
Rivet Head - Polished								
3/16"	C98LT-U6-3BR	.125-.250	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-5BR	.250-.375	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-6BR	.313-.438	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-7BR	.375-.500	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-9BR	.500-.625	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-10BR	.563-.688	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-11BR	.625-.750	.219	.446-.492	.090-.106	2000	1025	1455
	C98LT-U6-12BR	.688-.813	.219	.446-.492	.090-.106	2000	1025	1455
Round Head								
1/4"	C6LB-U8-3	.125-.250	.281	.475-.525	.136-.152	3550	1805	2750
	C6LB-U8-4	.188-.313	.281	.475-.525	.136-.152	3550	1805	2750
	C6LB-U8-5	.250-.375	.281	.475-.525	.136-.152	3550	1805	2750
	C6LB-U8-6	.313-.438	.281	.475-.525	.136-.152	3550	1805	2750
	C6LB-U8-8	.438-.563	.281	.475-.525	.136-.152	3550	1805	2750
	C6LB-U8-9	.500-.625	.281	.475-.525	.136-.152	3550	1805	2750
3/8"	C6LB-U12-6	.250-.500	.422	.713-.787	.223-.248	7950	4020	6100
	C6LB-U12-8	.375-.625	.422	.713-.787	.223-.248	7950	4020	6100
	C6LB-U12-10	.500-.750	.422	.713-.787	.223-.248	7950	4020	6100
Truss Head								
3/8"	C6LT-U12-4	.125-.375	.422	.828-.922	.186-.202	7950	4020	6100
	C6LT-U12-6	.250-.500	.422	.828-.922	.186-.202	7950	4020	6100
	C6LT-U12-8	.375-.625	.422	.828-.922	.186-.202	7950	4020	6100
	C6LT-U12-10	.500-.750	.422	.828-.922	.186-.202	7950	4020	6100

C6L® Data and Tooling

Tab-Lok™

The optional Tab-Lok feature makes sure the collar stays on the pin, before installation, in overhead and down slanted pin placements.



Installation Tooling

DIAMETER	TOOL	NOSE ASSEMBLY	TYPE
3/16"	244X	99-2555-HD	Pneudraulic
	256	99-2558	Pneudraulic
	2025*	99-3003**	Pneudraulic
	2480	99-3003**/99-2555-HD	Hydraulic
	2581	99-2558	Hydraulic
	BV4500-118	99-2555	Battery
1/4"	244X	99-3417	Pneudraulic
	256	99-2564	Pneudraulic
	2025*	99-3006**	Pneudraulic
	2480	99-3006**/99-3417	Hydraulic
	2581	99-2564	Hydraulic
	BV4500-118	99-3417	Battery
5/16"	256	99-99-245	Pneudraulic
	2581	99-99-245	Hydraulic
3/8"	256	99-100-245	Pneudraulic
	2581	99-100-245	Hydraulic

* Model 2025 is not recommended for high volume installation of stainless steel fasteners.

** When using tapered bore anvils, use visual inspection data for tapered bore anvil tooling.



Collars

STEEL, ZINC PLATED

DIAMETER	PART NO.	WIDTH (G)
Non-Flanged		
3/16"	2LC-R6G	.304-.311
1/4"	2LC-R8G	.402-.409
5/16"	2LC-R10G	.485-.494
3/8"	2LC-R12G	.590-.600
Flanged		
3/16"	3LC-2R6G	.304-.311
1/4"	3LC-2R8G	.402-.409
5/16"	3LC-2R10G	.498-.507
3/8"	3LC-2R12G	.599-.610
Wide-Flanged		
1/4"	3LCW-2R8G	.400-.409

ALUMINUM

DIAMETER	PART NO.	WIDTH (G)
Non-Flanged		
3/16"	2LC-F6	.304-.311
1/4"	2LC-F8	.402-.409
5/16"	2LC-F10	.499-.507
3/8"	2LC-F12	.590-.600
Flanged		
1/4"	3LC-F8	.402-.409
5/16"	3LC-F10	.498-.507
3/8"	3LC-F12	.599-.610

STAINLESS STEEL

DIAMETER	PART NO.	WIDTH (G)
Non-Flanged		
3/16"	2LC-2CU6	.304-.311
1/4"	2LC-2CU8	.402-.409
3/8"	2LC-2CU12	.590-.600
Flanged		
3/16"	3LC-2CU6	.304-.311
1/4"	3LC-2CU8	.402-.409
3/8"	3LC-2CU12	.599-.610