



Lockbolts, Structural Blind Fasteners and Tooling

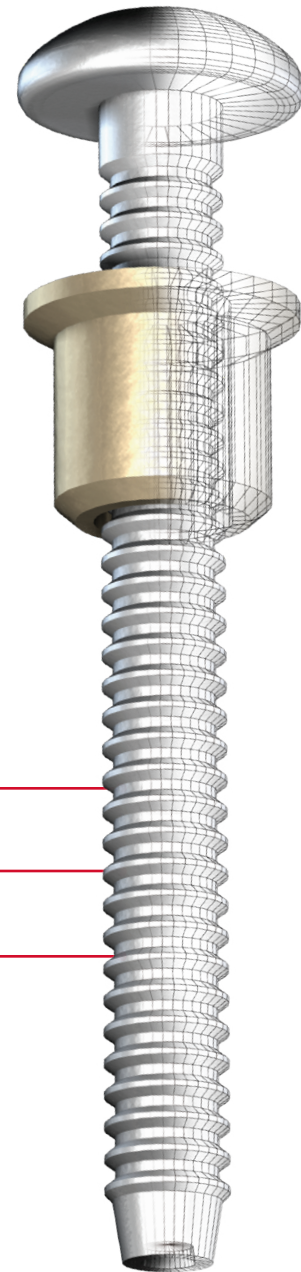


Magna-Grip®

Offering a Wide Grip Range and Uniform Installed Values

In applications where a wide grip range is required and a flush pin break to the collar is beneficial, Huck Magna-Grip® is the ideal fastener for the job. In fact, Magna-Grip's wide grip range can replace up to 4 traditional HuckBolts.

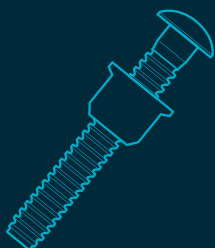
Like all Huck engineered fasteners, Magna-Grip offers the highest level of vibration resistance possible. Magna-Grip installs reliably and consistently provides high, uniform installed values.



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

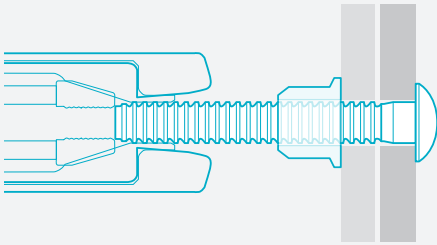
Materials Steel, Aluminum

Headstyles Button, Truss, Broad Truss, 90° Flush, 98T



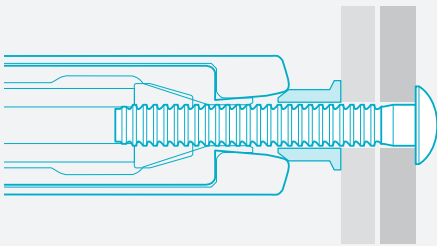
- ✓ Unmatched installation speed
- ✓ Low overall installed cost
- ✓ Vibration resistance
- ✓ Flush-breaking pin
- ✓ Eliminates need for secondary operations
- ✓ No special training or skills required for operators

Secure, Fast Installation



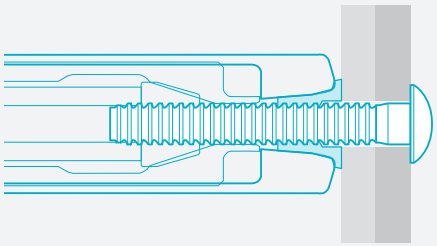
Insert fastener through a prepared hole. The precision collar is placed over the other end.

1



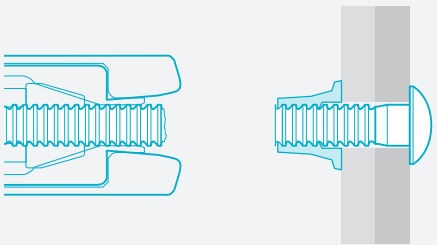
The Huck installation tool is applied and engages the pin. When the tool is activated, it pulls the pin in a straight line while pushing down on the collar.

2



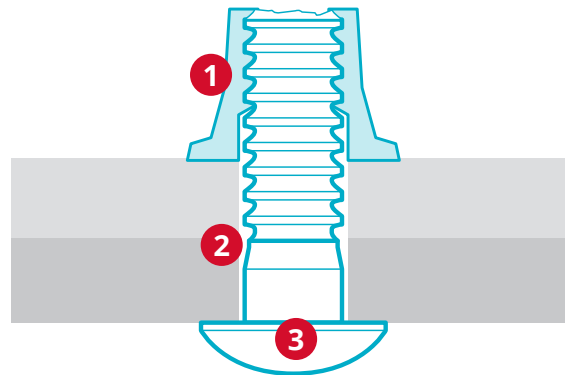
The tool moves forward over the collar, molding the collar material into the grooves of the pin. This process, called swaging, causes a precise stretching of the pin and collar, developing the fastener's clamping force.

3



When swaging is complete the pintail is automatically tensioned off, flush with the end of the collar. The tool then pushes off from the collar. The result is a permanent, mechanically locked fastener

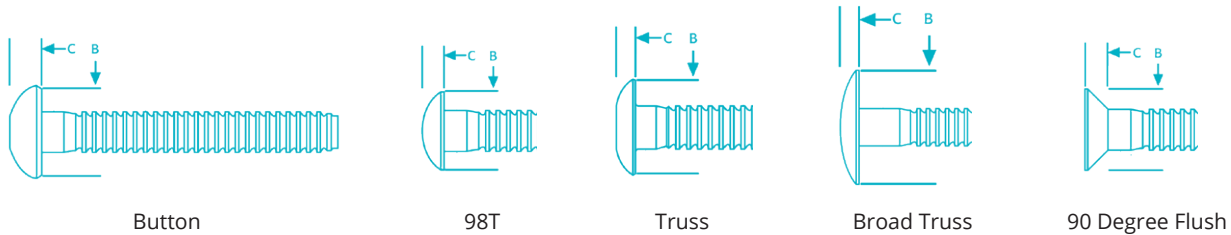
4



- 1** Flush-breaking, lock-groove design provides a wide grip range to reduce inventory requirements.
- 2** Collar material swaged into the annular pin grooves forms a permanent, vibration-proof connection that promotes increased customer satisfaction and reduced warranty claims.
- 3** Hole preparation isn't critical. Built-in system values yield high, consistent clamp loads and gap removal.



Magna-Grip® 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)
Button Head								
3/16"	MGPB-R6-10G	.062-.625	.219	.360-.390	.111-.127	1725	1025	1650
	MGPB-R6-20G	.312-1.250	.219	.360-.390	.111-.127	1725	1025	1650
1/4"	MGPB-R8-10G	.125-.625	.281	.480-.520	.135-.155	2200	1350	2950
	MGPB-R8-20G	.312-1.250	.281	.480-.520	.135-.155	2200	1350	2950
5/16"	MGPB-R10-12G	.125-.750	.359	.600-.650	.180-.205	3000	2300	4400
	MGPB-R10-22G	.625-1.375	.359	.600-.650	.180-.205	3000	2300	4400
3/8"	MGPB-R12-14G	.188-.875	.422	.720-.780	.220-.250	4200	3200	6000
	MGPB-R12-26G	.812-1.625	.422	.720-.780	.220-.250	4200	3200	6000
98T Head								
3/16"	MGP98T-R6-10G	.062-.625	.219	.467-.488	.098-.110	1725	1025	1650
	MGP98T-R6-10GP	.062-.625	.219	.467-.488	.098-.110	1725	1025	1650
	MGP98T-R6-20G	.312-1.250	.219	.467-.488	.098-.110	1725	1025	1650
Truss Head								
1/4"	MGPT-R8-10G	.125-.625	.281	.530-.595	.115-.135	2200	1350	2950
	MGPT-R8-10GP	.125-.625	.281	.530-.595	.115-.135	2200	1350	2950
	MGPT-R8-20G	.312-1.250	.281	.530-.595	.115-.135	2200	1350	2950
5/16"	MGPT-R10-12G	.125-.750	.359	.700-.795	.125-.175	3000	2300	4400
3/8"	MGPT-R12-14G	.188-.875	.422	.830-.920	.150-.215	4200	3200	6000
Broad Truss Head								
1/4"	MGP30-R8-10G	.125-.625	.281	.900-.970	.135-.165	2200	1350	2950
	MGP30-R8-24G	.562-1.500	.281	.900-.970	.135-.165	2200	1350	2950
3/8"	MGP30-R12-24G	.688-1.500	.422	1.180-1.255	.185-.215	4200	3200	6000
	MGP30-R12-32G	1.188-2.000	.422	1.180-1.255	.185-.215	4200	3200	6000
90° Flush Head								
3/16"	MGP90-R6-10G	.062-.625	.219	.325-.360	.090-.105	1725	1025	1650
1/4"	MGP90-R8-10G	.125-.625	.281	.435-.475	.115-.130	2200	1350	2950

Steel Pin - Zinc Plated - Stainless Steel Cap

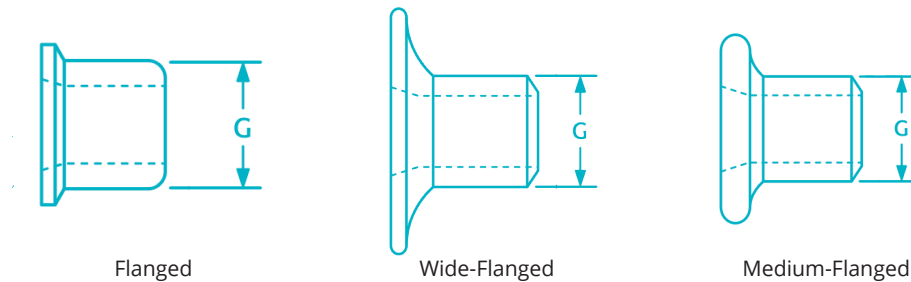
Truss Head								
1/4"	MGPTC-R8-10G	.125-.625	.281	.620 max	.165 max	2200	1350	2950
3/8"	MGPTC-R12-14G	.188-.875	.422	.860 max	.210 max	4200	3200	6000

Aluminum Pins

Button Head								
3/16"	MGPB-E6-10	.062-.625	.219	.360-.390	.111-.127	750	550	900
1/4"	MGPB-E8-10	.125-.625	.281	.480-.520	.135-.155	1200	950	1620
	MGPB-E8-20	.312-1.250	.281	.480-.520	.135-.155	1200	950	1620
5/16"	MGPB-E10-12	.125-.750	.359	.600-.650	.180-.205	2200	1600	2500
3/8"	MGPB-E12-14	.188-.875	.422	.720-.780	.220-.250	3000	2400	4000
98T Head								
3/16"	MGP98T-E6-10	.062-.625	.219	.467-.488	.098-.110	750	550	900
	MGP98T-E6-20	.312-1.250	.219	.467-.488	.098-.110	750	550	900
Truss Head								
1/4"	MGPT-E8-10	.125-.625	.281	.530-.595	.115-.135	1200	950	1620
Broad Truss Head								
3/8"	MGP30-E12-24	.688-1.500	.422	1.180-1.255	.185-.215	3000	2400	4000
90° Flush Head								
3/16"	MGP90-E6-10	.062-.625	.219	.325-.360	.090-.105	750	550	900
1/4"	MGP90-E8-10	.125-.625	.281	.435-.475	.115-.130	1200	950	1620

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.

Magna-Grip® Data and Tooling

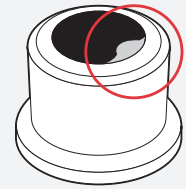


Collars

	DIAMETER	PART NO.	WIDTH(G)
Steel - Zinc Plated			
Flanged	3/16"	MGC-R6U	.305-.315
	1/4"	MGC-R8U	.395-.405
	5/16"	MGC-R10U	.500-.510
	3/8"	MGC-R12U	.600-.612
Medium Flange	3/16"	MGCS-R6U	.305-.315
Wide Flange	3/16"	MGCW-R6U	.305-.315
	1/4"	MGCW-R8U	.395-.405
Aluminum			
Flanged	3/16"	MGC-F6	.305-.315
	1/4"	MGC-F8	.395-.405
	5/16"	MGC-F10	.500-.510
	3/8"	MGC-F12	.600-.612
Wide Flange	3/16"	MGCW-F6	.305-.315

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"	2025	99-3201	Pneudraulic
	256	99-3206	Pneudraulic
	2480	99-3201	Hydraulic
	2581	99-3206	Hydraulic
	BV4500-118	99-3201	Battery
1/4"	2025	99-3204	Pneudraulic
	256	99-3207	Pneudraulic
	2480	99-3204	Hydraulic
	2581	99-3207	Hydraulic
	BV4500-118	99-3204	Battery
5/16"	256	99-1439	Pneudraulic
	2581	99-1439	Pneudraulic
	2600	99-3217	Pneudraulic
3/8"	256	99-1440	Pneudraulic
	2581	99-1440	Hydraulic
	2600	99-3220	Hydraulic