04 FASTENERS

There are a number of TSLOTS fasteners for you to choose from. Economy T-Nuts are the most economical way to fasten your assembly. Anchor fasteners are a lower cost alternative to make a strong, clean, flush 90 degree joint in a variable location. End fasteners allow your frame to have a strong, square, hidden joint in a fixed location that makes assembly of your frame easier.

WHEN ORDERING FASTENERS FOR YOUR APPLICATION, KEEP THESE SUGGESTIONS IN MIND:

- Check out the Fastener Application Test to determine which fasteners are right for your job - Page 04:02
- For the most cost effective fastening option, choose economy t-nuts and fasteners
- When you have a captivated extrusion end, select drop-in t-nuts and fasteners
- Check out the Tools section of the catalog to find the right tool for your job

FASTENER ADVANTAGES

- Options allow loading from end or from side
- Many available in fractional and metric sizes
- Highest quality available
- Finishes include corrosion resistant black zinc, bright zinc and stainless steel
- Clean flush connections easily achieved

» See page 01:02 for Torque Specifications

FASTENER/TOOL RECOMMENDED CHART

	FASTENER HEAD			
THREAD SIZE	**SHCS**	**BHSCS**	**FBHSCS**	**FHSCS**
8/32	n/a	3/32"	n/a	n/a
10-32	5/32"	1/8"	n/a	n/a
1/4-20	3/16"	5/32"	5/32"	5/32"
5/16-18	1/4"	3/16"	3/16"	3/16"
3/8-16	5/16"	n/a	n/a	7/32"
M6	5mm	4mm	n/a	n/a
M8	6mm	5mm	n/a	n/a

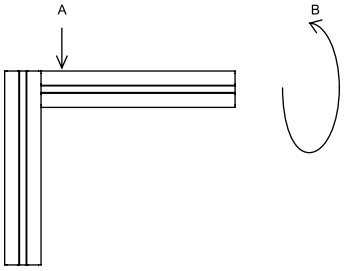
** Numbers in chart reflect hex tool size required.*

FASTENER APPLICATION TEST

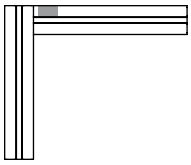
	TS10-10		TS15-15L		TS15-15	
FASTENER	**A** (lbs)	**B**	**A** (lbs)	**B**	**A** (lbs)	**B**
1	500	180 in/lbs	950	540 in/lbs	950	700 in/lbs
2	900	250 in/lbs	1,200	1,150 in/lbs	1,200	2,000 in/lbs
3	450	325 in/lbs	1,000	680 in/lbs	1,000	1,150 in/lbs
4	175	400 in/lbs	225	1,000 in/lbs	225	1,100 in/lbs
5	175	500 in/lbs	250	1,200 in/lbs	250	1,260 in/lbs
6	325	180 in/lbs	375	500 in/lbs	575	500 in/lbs
7	325	260 in/lbs	375	500 in/lbs	575	500 in/lbs

** All forces are approximte.*

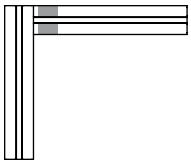
A - DIRECT FORCE
B - TORTIONAL FORCE



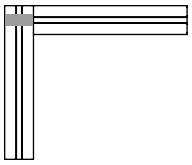
1 - SINGLE ANCHOR



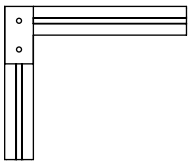
2 - DOUBLE ANCHOR



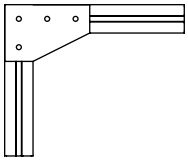
3 - END FASTENER



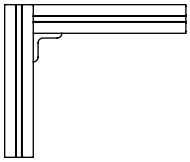
4 - JOINING PLATE



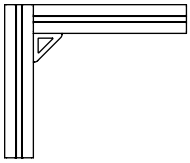
5 - 90º JOINING PLATE



6 - CORNER BRACKET



7 - CORNER GUSSET



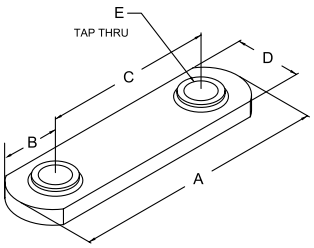
ECONOMY T-NUTS

- *Economical*
- *High Strength*
- *Extrusion end loading only*
- *10, 15, 25 & 40 Series sizes*

ITEM #	DESCRIPTION	THREAD
651095	Black Zinc 10 S Economy T-Nut	8-32
651096	Black Zinc 10 S Economy T-Nut	10-32
651287	Stainless Steel 10 S Economy T-Nut offset	10-32
651163	Black Zinc 10 S Economy T-Nut	1/4-20
651321	Bright Zinc 10 S Economy T-Nut	1/4-20
651322	Bright Zinc 15 S Economy T-Nut	1/4-20
651105	Black Zinc 15 S Economy T-Nut offset	1/4-20
651294	Stainless Steel 15 S Economy T-Nut	1/4-20
651097	Black Zinc 15 S Economy T-Nut offset	5/16-18
651316	Bright Zinc 15 S Economy T-Nut offset	5/16-18
651288	Stainless Steel 15 S Economy T-Nut offset	5/16-18
651386	Bright Zinc 10 S / 25 S Metric Economy T-Nut offset	M6x1.0
651366	Bright Zinc 15 S / 40 S Metric Economy T-Nut offset	M6x1.0
651367	Bright Zinc 15 S / 40 S Metric Economy T-Nut offset	M8x1.25
651445	Black Zinc 15 S / 40 S Metric Economy T-Nut	M8x1.25

DOUBLE ECONOMY T-NUTS

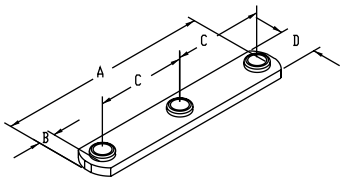
- *Economical*
- *High Strength*
- *Extrusion end loading only*
- *10, 15, 25 & 40 Series sizes*
- *More convenient and better productivity over single economy T-Nut*
- *1", 1.5", 25mm and 40mm centerlines make pre-assembly easy*



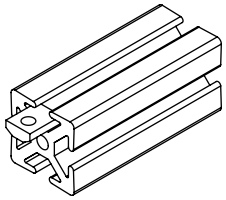
ITEM #	DESCRIPTION	THREAD	A	B	C	D	E
651100	Black Zinc 10 S / 25 S Dbl. Economy T-Nut	8-32	1.375	0.187	1	0.443	8-32
651099	Black Zinc 10 S / 25 S Dbl. Economy T-Nut	1/4-20	1.875	0.443	1	0.443	1/4-20
651098	Black Zinc 15 S Dbl. Economy T-Nut	5/16-18	2.81	0.655	1.5	0.625	5/16-18
651331	Bright Zinc 10 S / 25 S Metric Dbl. Economy T-Nut	M6x1.0	1.87	0.443	1	0.443	M6x1.0
651406	Bright Zinc 15 S Metric Dbl. Economy T-Nut	M8x1.25	3	0.75	1.5	0.625	M8x1.25
651461	Black Zinc 40 S Double Economy T-Nut	M8x1.25	76mm	19mm	40mm	16mm	M8x1.25

TRIPLE ECONOMY T-NUTS

ITEM #	DESCRIPTION	THREAD	A	B	C	D
651106	Black Zinc 10S Triple Econ. T-Nut	1/4-20	2.450	0.225	1.000	0.450
651104	Black Zinc 15S Triple Econ. T-Nut	5/16-18	3.562	0.281	1.500	0.625



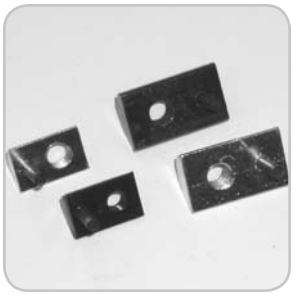
STANDARD T-NUTS OFFSET

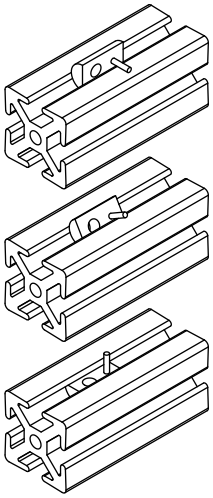


ITEM #	DESCRIPTION	THREAD
651076	Black Zinc 10 S Standard T-Nut	10-32
651075	Black Zinc 10 S Standard T-Nut	1/4-20
651398	Bright Zinc 10 S / 25 S Standard T-Nut	M5x.8
651400	Bright Zinc 10 S / 25 S Standard T-Nut	M6x1.0
651308	Bright Zinc 15 S Standard T-Nut	5/16-18
651393	Bright Zinc 15 S / 40 S Standard T-Nut	M6x1.0
651395	Bright Zinc 15 S / 40 S Standard T-Nut	M8x.1.25
651072	Black Zinc 15 S Standard T-Nut	10-32
651073	Black Zinc 15 S Standard T-Nut	1/4-20
651074	Black Zinc 15 S Standard T-Nut	5/16-18
651477	10 S / 25 S Standard T-Nut Profile	36" length
651475	15 S / 40 S Standard T-Nut Profile	36" length

- *10, 15, 25 and 40 Series sizes*
- *Extrusion end loading only*
- *High Strength*
- *Economical*

DROP IN T-NUTS WITH RUBBER HANDLE





ITEM #	DESCRIPTION	THREAD
651157	Black Zinc 10 S Drop In T-Nut	10-32
651325	Bright Zinc 10 S Drop In T-Nut	10-32
651435	SS 10 S Drop In T-Nut	1/4-20
651326	Bright Zinc 10 S Drop In T-Nut	1/4-20
651158	Black Zinc 10 S Drop In T-Nut	1/4-20
651402	Bright Zinc 10 S / 25 S Drop In T-Nut	M5x.8
651403	Bright Zinc 10 S / 25 S Drop In T-Nut	M6x1.0
651103	Black Zinc 15 S Drop In T-Nut	10-32
651102	Black Zinc 15 S Drop In T-Nut	1/4-20
651319	Bright Zinc 15 S Drop In T-Nut	1/4-20
651372	Bright Zinc 15 S / 40 S Drop In T-Nut	M6x1.0
651101	Black Zinc 15 S Drop In T-Nut	5/16-18
651318	Bright Zinc 15 S Drop In T-Nut	5/16-18
651371	Bright Zinc 15 S / 40 S Drop In T-Nut	M8x1.25
651246	SS 15 S Drop In T-Nut	1/4-20

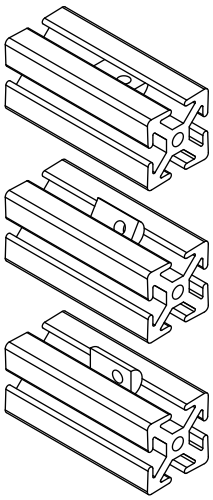
- *Tapered bottom allows for easy loading and removal from extrusion slot*
- *Reduces assembly time*
- *Easy to add and reposition in T-Slot when ends are closed off*
- *Rubber nub holds T-Nut in vertical T-Slot*
- *10, 15, 25 and 40 Series sizes*
- *High Strength*

DROP IN T-NUTS WITH SET SCREW

ITEM #	DESCRIPTION	THREAD
651125	Black Zinc 10 S / 25 S Drop In T-Nut w/ Set Screw	10-32
651126	Black Zinc 10 S / 25 S Drop In T-Nut w/ Set Screw	1/4-20
651122	Black Zinc 15 S Drop In T-Nut w/ Set Screw	10-32
651123	Black Zinc 15 S Drop In T-Nut w/ Set Screw	1/4-20
651247	SS 15 S Drop In T-Nut w/ Set Screw	1/4-20
651124	Black Zinc 15 S Drop In T-Nut w/ Set Screw	5/16-18
651248	SS 15 S Drop In T-Nut w/ Set Screw	5/16-18
651323	Bright Zinc 15 S Drop In T-Nut w/ Set Screw	1/4-20
651324	Bright Zinc 15 S Drop In T-Nut w/ Set Screw	5/16-18
651421	Bright Zinc 15 S / 40 S Drop In T-Nut w/ Set Screw	M8x1.25
651425	Bright Zinc 15 S / 40 S Drop In T-Nut w/ Set Screw	M6x1.0

- *Tapered bottom allows for easy loading and removal from extrusion slot*
- *Reduces assembly time*
- *Easy to add and reposition in T-Slot when ends are closed off*
- *Set screw holds T-Nut in vertical T-Slot*
- *10, 15, 25 and 40 Series sizes*
- *High Strength*

DROP IN T-NUTS WITH BALL BEARING



ITEM #	DESCRIPTION	THREAD
651467	10 S Bright Zinc Drop-in Tnut w/ Ball Bearing	8-32
651468	10 S Bright Zinc Drop-in Tnut w/ Ball Bearing	10-32
651469	10 S Bright Zinc Drop-in Tnut w/ Ball Bearing	1/4-20
651471	10 S / 25 S Bright Zinc Drop-in Tnut w/ Ball Bearing	M5 x.8
651472	10 S / 25 S Bright Zinc Drop-in Tnut w/ Ball Bearing	M6 x1.0
651642	15 S Bright Zinc Drop-in Tnut w/ Ball Bearing	8-32
651643	15 S Bright Zinc Drop-in Tnut w/ Ball Bearing	10-32
651644	15 S Bright Zinc Drop-in Tnut w/ Ball Bearing	1/4-20
651645	15 S Bright Zinc Drop-in Tnut w/ Ball Bearing	5/16-18
651646	15 S / 40 S Bright Zinc Drop-in Tnut w/ Ball Bearing	M5 x.8
651647	15 S / 40 S Bright Zinc Drop-in Tnut w/ Ball Bearing	M6 x1.0
651648	15 S / 40 S Bright Zinc Drop-in Tnut w/ Ball Bearing	M8 x1.25

- *Tapered bottom allows for easy loading and removal from extrusion slot*
- *Reduces assembly time*
- *Easy to add and reposition in T-Slot when ends are closed off*
- *Ball bearing holds T-Nut in vertical T-Slot*
- *10, 15, 25 and 40 Series sizes*
- *High Strength*

STEPPED DROP IN T-NUT WITH BALL BEARING

ITEM #	DESCRIPTION	THREAD
664114	15 S Stepped Drop In T-Nut w/ Ball Bearing	1/4-20 40S
664115	15 S Stepped Drop In T-Nut w/ Ball Bearing	10-32 40S
664116	15 S Stepped Drop In T-Nut w/ Ball Bearing	5/16-18 40S

- *Zinc plated stainless steel*
- *Self aligning roll in TSLOT nut with spring ball*

Z-NUTS

ITEM #	DESCRIPTION	THREAD
662002	M5 Z-Nut	M5
662001	M6 Z-Nut	M6

- *Design allows for easy loading from extrusion slot*
- *Fits both 15 S and 40 S slots*
- *Metric thread size only*

ECONOMY TSLOT STUDS - Grade 5

ITEM #	DESCRIPTION	THREAD
651054	Economy TSLOT Studs	5/16-18x.75"
651058	Economy TSLOT Studs	5/16-18x1.00"
651063	Economy TSLOT Studs	5/16-18x1.25"
651066	Economy TSLOT Studs	5/16-18x1.50"
651107	Economy TSLOT Studs	5/16-18x1.75"
651255	S/S Economy TSLOT Stud	5/16-18x.75"
651261	S/S Economy TSLOT Stud	5/16-18x1.00"

ASSEMBLIES

ITEM #	DESCRIPTION
651133	5/16-18x.75" Economy TSLOT Studs with Washer and Hex Nut

- *Extrusion end loading only*
- *15 Series sizes*

BUTT FASTENERS

ITEM #	DESCRIPTION
651153	10 S / 25 S Butt Fastener
651154	15 S / 40 S Butt Fastener

- *Allows you to butt two extrusions end to end for maximum strength and alignment*
- *10, 15, 25 and 40 Series sizes*

» See page 11:08 for machining services.

ANCHOR FASTENERS

ITEM #	DESCRIPTION
651173	10 S / 25 S Anchor Fastener w/ 10-32 Bolt & Std. T-Nut
651149	10 S / 25 S Anchor Fastener w/ 10-32 Bolt & Drop In T-Nut
651500	10 S / 25 S Anchor Fastener w/M6 Bolt & Std. T-Nut
651174	10 S / 25 S Anchor Fastener w/o Leg - Cam only
651146	15 S Anchor Fastener w/ 5/16-18 Bolt & Std. T-Nut
651148	15 S Anchor Fastener w/ 5/16-18 Bolt & Drop In T-Nut
651281	15 S Anchor Fastener w/ SS 5/16-18 Bolt & Std. T-Nut
651424	15 S / 40 S Metric Anchor Fastener w/ M8 Bolt & Std. T-Nut
651147	15 S / 40 S Anchor Fastener w/o Leg - Cam only

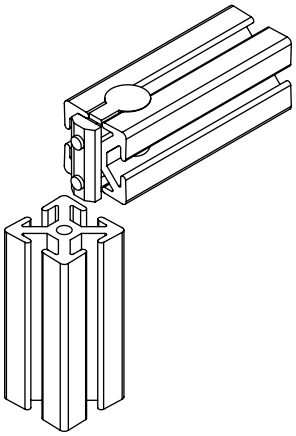
- *Strongest of available fasteners*
- *Creates 90 degree T-Slot connections*
- *10, 25 & 40 Series sizes*
- *All T-Nuts are offset*

DOUBLE ANCHOR FASTENERS

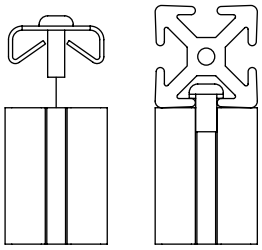
ITEM #	DESCRIPTION
651036	10 S / 25 S 10-32 Short Anchor Assembly
651038	10 S / 25 S 10-32 Long Anchor Assembly
651044	15 S 5/16-18 Short Anchor Assembly
651045	15 S 5/16-18 Long Anchor Assembly

- *Reduces assembly time when mating extrusions have opposing anchor fastener counterbores*
- *Strongest of available fasteners*
- *Creates 90 degree T-Slot connections*
- *10, 15 and 25 Series Sizes*

» See page 11:08 for machining services.



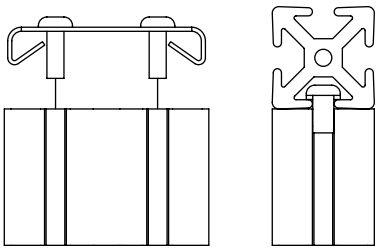
END FASTENERS



ITEM #	DESCRIPTION	THREAD
651162	Black Zinc 10 S / 25 S End Fastener with Screw	1/4-20
651292	Bright Zinc 10 S / 25 S End Fastener with SS Screw	1/4-20
651422	Bright Zinc 10 S / 25 S End Fastener with Screw	M6x1.0
651291	Bright Zinc 10 S / 25 S End Fastener without Screw	n/a
651159	Black Zinc 10 S / 25 S End Fastener without Screw	n/a
651161	Black Zinc 15 S / 40 S End Fastener with Screw	5/16-18
651290	Bright Zinc 15 S / 40 S End Fastener with SS Screw	5/16-18
651418	Bright Zinc 15 S / 40 S End Fastener with Screw	M8x1.25
651289	Bright Zinc 15 S / 40 S End Fastener without Screw	n/a
651160	Black Zinc 15 S / 40 S End Fastener without Screw	n/a

- *Provides a hidden fastener when connecting extrusions at 90 degrees*
- *Mating extrusions glide over end fastener*
- *Tapping service required in the extrusion base end and access hole in the mating extrusion*
- *10, 15, 25 and 40 Series sizes*
- *Prevents mating extrusion from rotating*

DOUBLE END FASTENERS



ITEM #	DESCRIPTION	THREAD
651137	Black Zinc 10 S / 25 S Double End Fastener with Screw	1/4-20
651327	Bright Zinc 10 S / 25 S Double End Fastener with SS Screw	1/4-20
651428	Bright Zinc 10 S / 25 S Double End Fastener with Screw	M6x1.0
651329	Bright Zinc 10 S / 25 S Double End Fastener without Screw	n/a
651139	Black Zinc 10 S / 25 S Double End Fastener without Screw	n/a
651138	Black Zinc 15 S Double End Fastener with Screw	5/16-18
651328	Bright Zinc 15 S Double End Fastener with SS Screw	5/16-18
651429	Bright Zinc 15 S Double End Fastener with Screw	M8x1.25
651330	Bright Zinc 15 S Double End Fastener without Screw	n/a
651140	Black Zinc 15 S Double End Fastener without Screw	n/a

- *Provides a hidden fastener when connecting extrusions at 90 degrees*
- *Mating extrusions glide over end fastener*
- *Tapping service required in the extrusion base end and access hole in the mating extrusion*
- *10, 15 and 25 Series sizes*
- *Prevents mating extrusion from rotating*

CONNECTOR LINK

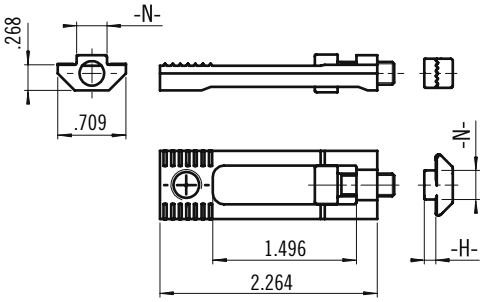
ITEM #	DESCRIPTION
662005	10 S Connector link - 4" length, 1/4-20 fastener
662075	15 S Connector link - 6" length, 5/16-18 fastener

- *Fastening link to connect similar series profiles together*

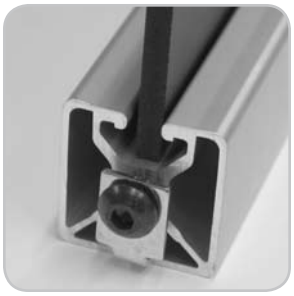
MILLING CONNECTOR

ITEM #	DESCRIPTION
655815	15 S Milling Connector 40S

- *For fast connection of two tslot profiles, zinc plated*



SINGLE TAB END FASTENER



ITEM #	DESCRIPTION
651495	15 S / 40 S Single Tab End Fastener w/o Screw
651501	15 S Single Tab End Fastener w/ 5/16-18 BHSCS
651502	40 S Single Tab End Fastener w/ M8 x 20 mm BHSCS

- *Allows for panels to mate in slots without having to notch panels*
- *Provides hidden fastener when connecting extrusions at 90°*
- *Mating extrusions glide over end fastener*
- *Tapping service required in the extrusion base end and access hole in the mating extrusions*
- *15 and 40 Series sizes only*

PUSH IN FASTENERS

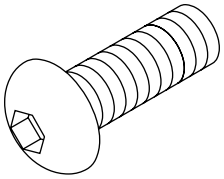
ITEM #	DESCRIPTION
651084	10 S / 25 S Push In Fastener
651090	15 S / 40 S Push In Fastener

- *Pushes into center holes of 10, 15, 25 and 40 Series extrusions*
- *Used to fasten End Caps onto extrusions*

BUTTON HEAD SOCKET CAP SCREW & ASSEMBLIES

ITEM #	DESCRIPTION
651020	6-32 x 3/8" BHSCS
651006	8-32 x 1/2" BHSCS
651007	8-32 x 7/8" BHSCS
651008	10-32 x 3/8" BHSCS
651011	10-32 x 1/2" BHSCS
651012	10-32 x 5/8" BHSCS
651015	10-32 x 3/4" BHSCS
651302	S/S 10-32 x 3/8" BHSCS
651304	S/S 10-32 x 1/2" BHSCS
651306	S/S 10-32 x 5/8" BHSCS
651019	1/4-20 x 3/8" BHSCS
651021	1/4-20 x 1/2" BHSCS
651023	1/4-20 x 5/8" BHSCS
651025	1/4-20 x 3/4" BHSCS
651462	1/4-20 x 1" BHSCS
651463	1/4-20 x 1 1/4" BHSCS
651296	S/S 1/4-20 x 3/8" BHSCS
651298	S/S 1/4-20 x 1/2" BHSCS
651284	S/S 1/4-20 x 5/8" BHSCS
651300	S/S 1/4-20 x 3/4" BHSCS

ITEM #	DESCRIPTION
651048	5/16-18 x 1/2" BHSCS
651051	5/16-18 x 5/8" BHSCS
651053	5/16-18 x 3/4" BSSCS
651055	5/16-18 x 7/8" BHSCS
651056	5/16-18 x 1" BHSCS
651249	S/S 5/16-18 x 1/2" BHSCS
651251	S/S 5/16-18 x 5/8" BHSCS
651253	S/S 5/16-18 x 3/4" BHSCS
651256	S/S 5/16-18 x 7/8" BHSCS
651259	S/S 5/16-18 x 1" BHSCS
651333	M6 x 12 mm BHSCS
651335	M6 x 16 mm BHSCS
651340	M6 x 20 mm BHSCS
651661	M6 x 20 mm BHSCS Bright Zinc
651341	M6 x 25 mm BHSCS
651343	M8 x 12 mm BHSCS
651345	M8 x 16 mm BHSCS
651347	M8 x 20 mm BHSCS
651351	M8 x 25 mm BHSCS



10 SERIES / 25 SERIES ASSEMBLIES

ITEM #	DESCRIPTION
651226	8-32 x 3/8" BHSCS & Economy T-Nut
651232	8-32 x 1/2" BHSCS w/ Washer & Hex Nut
651230	10-32 x 1/2" BHSCS & Standard T-Nut
651176	1/4-20 x 1/2" BHSCS w/ Washer & Economy T-Nut
651177	1/4-20 x 1/2" BHSCS w/ Washer & Drop In T-Nut
651225	1/4-20 x 5/8" BHSCS w/ Washer & Economy T-Nut
651227	1/4-20 x 5/8" BHSCS w/ Washer & Drop In T-Nut
651152	1/4-20 x 5/8" BHSCS w/ Washer
651216	1/4-20 x 3/4" BHSCS w/ Washer & Hex Nut
651171	1/4-20 x 1/2" BHSCS & Economy T-Nut
651172	1/4-20 x 1/2" BHSCS & Drop In T-Nut
651274	S/S 1/4-20 x 5/8" BHSCS w/ Washer & Economy T-Nut
651156	1/4-20 x 3/4" BHSCS w/ Washer & Drop In T-Nut
651490	1/4-20 x 1/2" BHSCS & Double Economy T-Nut
651503	M6 x 12 mm BHSCS & Economy T-Nut
651504	M6 x 12 mm BHSCS & Standard T-Nut
651505	M6 x 12 mm BHSCS & Drop In T-Nut
651519	M6 x 12 mm BHSCS & Double Economy T-Nut

15 SERIES / 40 SERIES ASSEMBLIES

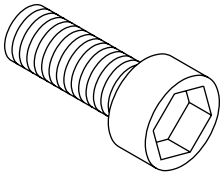
ITEM #	DESCRIPTION
651190	5/16-18 x 5/8" BHSCS w/ Washer & Economy T-Nut
651192	5/16-18 x 5/8" BHSCS w/ Washer & Drop In T-Nut
651150	5/16-18 x 5/8" BHSCS & Economy T-Nut
651193	5/16-18 x 3/4" BHSCS w/ Washer & Economy T-Nut
651194	5/16-18 x 3/4" BHSCS w/ Washer & Drop In T-Nut
651195	5/16-18 x 3/4" BHSCS w/ Washer & Hex Nut
651151	5/16-18 x 3/4" BHSCS w/ Washer
651196	5/16-18 x 1" BHSCS w/ Washer & Economy T-Nut
651197	5/16-18 x 1" BHSCS w/ Washer & Drop In T-Nut
651265	S/S 5/16-18 x 3/4" BHSCS w/ Washer & Econ T-Nut
651258	S/S 5/16-18 x 5/8" BHSCS w/ Washer & Economy T-Nut
651266	S/S 5/16-18 x 1" BHSCS w/ Washer & Econ T-Nut
651506	M8 x 16 mm BHSCS & Economy T-Nut
651507	M8 x 16 mm BHSCS & Standard T-Nut
651508	M8 x 16 mm BHSCS & Drop In T-Nut
651521	M8 x 16 mm BHSCS & Double Economy T-Nut

» See page 01:02 for torque specifications.

SOCKET HEAD CAP SCREWS & ASSEMBLIES

ITEM #	DESCRIPTION
651009	10-32 x 3/8" SHCS
651010	10-32 x 1/2" SHCS
651013	10-32 x 5/8" SHCS
651293	S/S 10-32 x 3/4" SHCS
651301	S/S 10-32 x 3/8" SHCS
651303	S/S 10-32 x 1/2" SHCS
651305	S/S 10-32 x 5/8" SHCS
651017	10-32 x 3/4" SHCS
651018	1/4-20 x 3/8" SHCS
651022	1/4-20 x 1/2" SHCS
651024	1/4-20 x 5/8" SHCS
651027	1/4-20 x 3/4" SHCS
651028	1/4-20 x 7/8" SHCS
651029	1/4-20 x 1" SHCS
651030	1/4-20 x 1 1/4" SHCS
651031	1/4-20 x 1 1/2" SHCS
651489	1/4-20 x 2 1/2" SHCS
651295	S/S 1/4-20 x 3/8" SHCS
651297	S/S 1/4-20 x 1/2" SHCS
651299	S/S 1/4-20 x 3/4" SHCS
651286	S/S 1/4-20 x 1" SHCS
651250	S/S 5/16-18 x 1/2" SHCS
651252	S/S 5/16-18 x 5/8" SHCS
651254	S/S 5/16-18 x 3/4" SHCS
651257	S/S 5/16-18 x 7/8" SHCS
651260	S/S 5/16-18 x 1" SHCS
651262	S/S 5/16-18 x 1 1/4" SHCS

ITEM #	DESCRIPTION
651049	5/16-18 x 1/2" SHCS
651050	5/16-18 x 5/8" SHCS
651052	5/16-18 x 3/4" SHCS
651057	5/16-18 x 7/8" SHCS
651059	5/16-18 x 1" SHCS
651060	5/16-18 x 1 1/4" SHCS
651064	5/16-18 1 1/2" SHCS
651650	5/16-18 x 1 3/4" SHCS
651651	5/16-18 x 2" SHCS
651652	5/16-18 x 2 1/4" SHCS
651653	5/16-18 x 2 1/2" SHCS
651654	5/16-18 x 3" SHCS
651488	5/16-18 x 3 1/2" SHCS
651061	3/8-16 x 1" SHCS
651062	3/8-16 x 3/4" SHCS
651332	M6 x 12 mm SHCS
651334	M6 x 16 mm SHCS
651337	M6 x 20 mm SHCS
651338	M6 x 25 mm SHCS
651342	M8 x 12 mm SHCS
651344	M8 x 16 mm SHCS
651346	M8 x 20 mm SHCS
651350	M8 x 25 mm SHCS
651354	M8 x 30 mm SHCS



10 SERIES / 25 SERIES ASSEMBLIES

ITEM #	DESCRIPTION
651235	1/4-20 x 1/2" SHCS & Drop In T-Nut
651236	1/4-20 x 5/8" SHCS & Economy T-Nut
651237	1/4-20 x 5/8" SHCS & Drop In T-Nut
651117	1/4-20 x 3/4" SHCS & Economy T-Nut
651175	1/4-20 x 3/4" SHCS & Drop In T-Nut
651118	1/4-20 x 7/8" SHCS & Economy T-Nut
651119	1/4-20 x 1" SHCS & Econ T-Nut
651120	1/4-20 x 1 1/4" SHCS & Econ T-Nut
651121	1/4-20 x 1-1/2" SHCS & Econ T-Nut
651483	1/4-20 x 2 1/2" SHCS & Economy T-Nut
651238	1/4-20 x 1/2" SHCS w/ Washer & Economy T-Nut
651239	1/4-20 x 1/2" SHCS w/ Washer & Drop In T-Nut
651240	1/4-20 x 5/8" SHCS w/ Washer & Economy T-Nut
651241	1/4-20 x 5/8" SHCS w/ Washer & Drop In T-Nut
651509	M6 x 12 mm SHCS & Economy T-Nut

15 SERIES / 40 SERIES ASSEMBLIES

ITEM #	DESCRIPTION
651199	5/16-18 x 1/2" SHCS & Economy T-Nut
651200	5/16-18 x 1/2" SHCS & Drop In T-Nut
651201	5/16-18 x 5/8" SHCS & Economy T-Nut
651203	5/16-18 x 5/8" SHCS & Drop In T-Nut
651202	5/16-18 x 3/4" SHCS & Economy T-Nut
651205	5/16-18 x 7/8" SHCS & Economy T-Nut
651207	5/16-18 x 7/8" SHCS & Drop In T-Nut
651209	5/16-18 x 5/8" SHCS w/ Washer & Economy T-Nut
651211	5/16-18 x 5/8" SHCS w/ Washer & Drop In T-Nut
651213	5/16-18 x 3/4" SHCS w/ Washer & Economy T-Nut
651215	5/16-18 x 3/4" SHCS w/ Washer & Drop In T-Nut
651198	5/16-18 x 7/8" SHCS w/ Washer & Hex Nut
651217	5/16-18 x 1" SHCS w/ Washer & Economy T-Nut
651218	5/16-18 x 1" SHCS w/ Washer & Drop In T-Nut

10 SERIES / 25 SERIES ASSEMBLIES *(continued)*

ITEM #	DESCRIPTION
651510	M6 x 12 mm SHCS & Standard T-Nut
651511	M6 x 12 mm SHCS & Drop In T-Nut

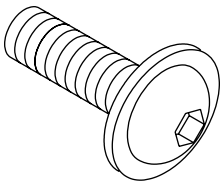
15 SERIES / 40 SERIES ASSEMBLIES *(continued)*

ITEM #	DESCRIPTION
651267	S/S 5/16-18 x 1/2" SHCS & Economy T-Nut
651268	S/S 5/16-18 x 5/8" SHCS & Economy T-Nut
651269	S/S 5/16-18 x 7/8" SHCS & Economy T-Nut
651270	S/S 5/16-18 x 3/4" SHCS w/ Washer & Economy T-Nut
651271	S/S 5/16-18 x 1" SHCS w/ Washer & Economy T-Nut
651307	S/S 5/16-18 x 5/8" SHCS w/ Washer & Economy T-Nut
651482	5/16-18 x 1 1/4" SHCS & Economy T-Nut
651487	5/16-18 x 1 1/2" SHCS & Economy T-Nut
651484	5/16-18 x 2 1/2" SHCS & Economy T-Nut
651485	5/16-18 x 3" SHCS & Economy T-Nut
651486	5/16-18 x 3 1/2" SHCS & Economy T-Nut
651512	M8 x 16 mm SHCS & Economy T-Nut
651513	M8 x 16 mm SHCS & Standard T-Nut
651514	M8 x 16 mm SHCS & Drop In T-Nut

» See page 01:02 for torque specifications.

FLANGED BUTTON HEAD SOCKET CAP SCREWS & ASSEMBLIES

ITEM #	DESCRIPTION
651169	1/4-20 x 3/8" Flanged BHSCS
651136	1/4-20 x 1/2" Flanged BHSCS
651026	1/4-20 x 3/4" Flanged BHSCS
651134	5/16-18 x 5/8" Flanged BHSCS
651135	5/16-18 x 1/2" Flanged BHSCS



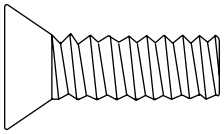
10 SERIES ASSEMBLIES

ITEM #	DESCRIPTION
651002	1/4-20 x 3/8" FBHSCS w/ Washer & Hex Nut
651166	1/4-20 x 3/8" FBHSCS & Economy T-Nut
651223	1/4-20 x 3/8" FBHSCS & Drop In T-Nut
651130	1/4-20 x 1/2" FBHSCS & Economy T-Nut
651224	1/4-20 x 1/2" FBHSCS & Drop In T-Nut
651164	1/4-20 x 3/4" FBHSCS & Economy T-Nut
651228	1/4-20 x 3/4" FBHSCS & Drop In T-Nut
651142	1/4- 20 x 1/2" FBHSCS & Double Economy T-Nut
651144	1/4-20 x 1/2" FBHSCS & Triple Economy T-Nut

15 SERIES ASSEMBLIES

ITEM #	DESCRIPTION
651127	5/16-18 x 1/2" FBHSCS & Drop In T-Nut
651128	5/16-18 x 1/2" FBHSCS & Economy T-Nut
651129	5/16-18 x 5/8" FBHSCS & Economy T-Nut
651132	5/16-18 x 5/8" FBHSCS & Drop In T-Nut
651210	5/16-18 x 5/8" FBHSCS w/ Washer & Hex Nut
651141	5/16-18 x 5/8" FBHSCS & Double Economy T-Nut
651143	5/16-18 x 5/8" FBHSCS & Triple Economy T-Nut

FLATHEAD SOCKET CAP SCREW & ASSEMBLIES



ITEM #	DESCRIPTION
651188	6-32 x 3/8" FHSCS - Black Zinc
651005	10-32 x 1/2" FHSCS
651179	10-32 x 1/2" FHSCS - Black Zinc
651178	1/4-20 x 1/2" FHSCS - Black Zinc
651180	1/4-20 x 5/8" FHSCS - Black Zinc
651181	5/16-18 x 5/8" FHSCS - Black Zinc
651182	5/16-18 x 3/4" FHSCS - Black Zinc
651187	3/8-16 x 3/4" FHSCS - Black Zinc
651515	M6 x 12 mm FHSCS
651516	M6 x 16 mm FHSCS
651517	M8 x 16 mm FHSCS
651518	M8 x 20 mm FHSCS

ASSEMBLIES

ITEM #	DESCRIPTION
651185	1/4-20 x 1/2" FHSCS & Economy T-Nut - 10 S
651183	5/16-18 x 5/8" FHSCS & Economy T-Nut
651186	1/4-20 x 1/2" FHSCS & Drop In T-Nut - 10 S
651184	5/16-18 x FHSCS & Drop In T-Nut
651545	1/4-20 x 5/8" FHSCS & Economy T-nut - 15 S

LOWHEAD SOCKET CAP SCREW

ITEM #	DESCRIPTION
651474	1/4-20 x 3/8" LHSCS
651003	1/4-20 x 1" LHSCS
699955	5/16-18 x 5/8" LHSCS
651004	5/16-18 x 1 1/4" LHSCS

» See page 01:02 for torque specifications.

WASHERS AND HEX NUTS

WASHERS

I TEM #	DESCRIPTION
651016	10-32 Flat Washer
651080	1/4" Flat Washer
651081	5/16" Flat Washer
651082	3/8" Flat Washer
651083	1/2" Flat Washer

HEX NUTS

I TEM #	DESCRIPTION
651014	10-32 Hex Nut
651077	1/4-20 Hex Nut
651078	5/16-18 Hex Nut
651079	3/8-16 Hex Nut
651310	5/16-18 Bright Zinc Hex Nut