ETERNA
SOLUTIONS

PANEL FASTENERS

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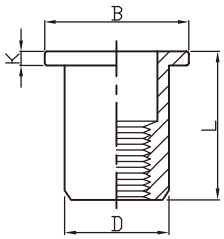
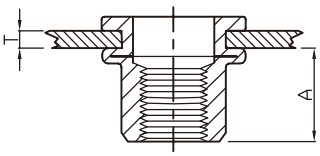
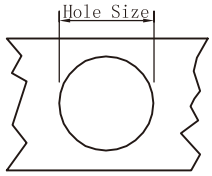
FH-RB Flat Head Round Body Plain





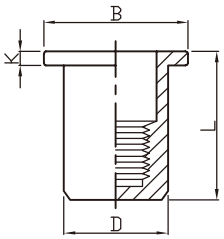


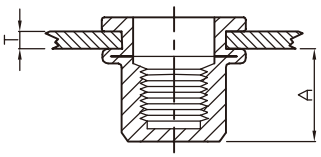
UNIT : mm

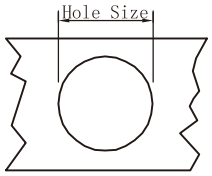
Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M3	FH-RB-0315	0.5-1.5	4.7	5.0	4.9	7.2	0.8	8.5
	FH-RB-0325	1.5-2.5						9.5
M4	FH-RB-0420	0.5-2.0	6.0	6.0	5.9	8.5	0.8	10.5
	FH-RB-0435	2.0-3.5						12.0
M5	FH-RB-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	13.0
	FH-RB-0550	2.5-5.0	8.5					17.0
M6	FH-RB-0630	0.5-3.0	9.2	9.0	8.9	12.3	1.3	15.5
	FH-RB-0655	3.0-5.5						18.0
M8	FH-RB-0835	0.5-3.5	11.5	11.0	10.9	15.0	1.5	18.5
	FH-RB-0860	3.5-6.0						21.0
M10	FH-RB-1025	0.5-2.5	11.5	13.0	12.9	16.3	1.5	17.0
M10	FH-RB-1040	2.5-4.0	12.5	13.0	12.9	17.0	1.6	21.0
	FH-RB-1060	4.0-6.0						24.0
M10	FH-RB-1035(12H)	1.0-3.5	11.0	12.0	11.9	16.0	1.6	19.0
M12	FH-RB-1240	1.0-4.0	13.5	15.0	14.9	18.0	1.7	22.0
	FH-RB-1265	4.0-6.5						25.0
M12	FH-RB-1240(16H)	1.0-4.0	16.0	16.0	15.9	22.0	2.0	25.0

M14, M16 Size is available.

FH-RBC Flat Head Round Body Plain Close End



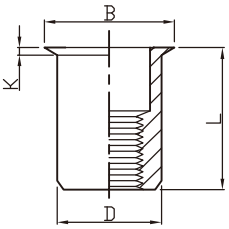


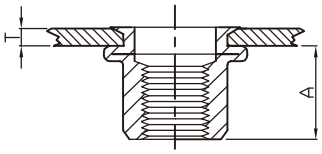


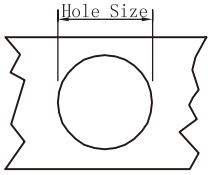
UNIT : mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M3	FH-RBC-0315	0.5-1.5	10.0	5.0	4.9	7.2	0.8	13.3
M4	FH-RBC-0420	0.5-2.0	11.3	6.0	5.9	9.0	0.8	16.0
	FH-RBC-0440	2.0-4.0						18.0
M5	FH-RBC-0525	0.5-2.5	11.5	7.0	6.9	10.0	1.0	17.0
	FH-RBC-0550	2.5-5.0						19.0
M6	FH-RBC-0630	0.5-3.0	12.7	9.0	8.9	12.3	1.3	19.2
	FH-RBC-0650	3.0-5.5						21.0
M8	FH-RBC-0830	0.5-3.0	14.8	11.0	10.9	15.0	1.5	21.5
	FH-RBC-0855	3.0-5.5						24.0
M10	FH-RBC-1040	1.0-4.0	19.2	13.0	12.9	17.0	1.6	27.0

RH-RB Reduce Head Round Body Plain



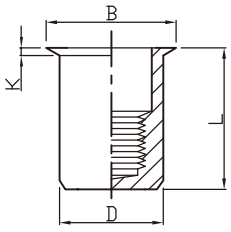


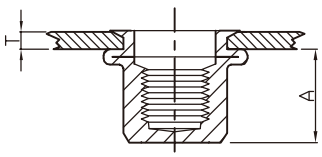


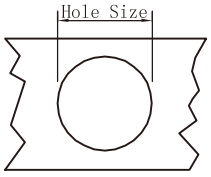
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M3	RH-RB-0315	0.5-1.5	6.2	5.0	4.9	6.0	0.5	9.0
M4	RH-RB-0420	0.5-2.0	6.5	6.0	5.9	7.0	0.5	10.5
	RH-RB-0440	2.0-4.0						13.0
M5	RH-RB-0520	0.5-2.0	7.0	7.0	6.9	8.0	0.5	11.5
	RH-RB-0540	2.0-4.0						13.0
M6	RH-RB-0625	0.5-2.5	8.5	9.0	8.9	10.5	0.6	14.0
	RH-RB-0650	2.5-5.0				10.0	0.6	17.0
M8	RH-RB-0830	0.5-3.0	10.0	11.0	10.9	12.0	0.65	16.5
	RH-RB-0850	3.0-5.0						18.5
M10	RH-RB-1030	0.5-3.0	13.0	13.0	12.9	14.1	0.7	17.7
	RH-RB-1055	3.0-5.5						21.0
M10	RH-RB-1030(12H)	0.5-3.0	12.5	12.0	11.9	13.0	0.7	18.0

RH-RBC Reduce Head Round Body Plain Close End



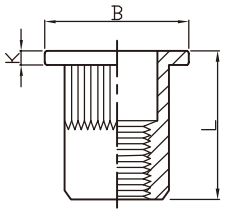


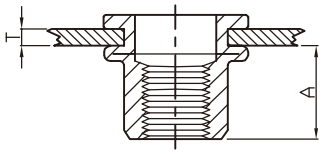


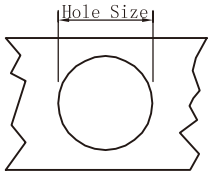
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-RBC-0420	0.5-2.0	11.0	6.0	5.9	7.0	0.5	15.0
	RH-RBC-0435	2.0-3.5						16.0
M5	RH-RBC-0520	0.5-2.0	12.5	7.0	6.9	8.0	0.5	16.5
	RH-RBC-0535	2.0-3.5						17.5
M6	RH-RBC-0625	0.5-2.5	15.5	9.0	8.9	10.0	0.6	20.5
	RH-RBC-0640	2.5-4.0						22.0
M8	RH-RBC-0830	0.5-3.0	17.0	11.0	10.9	12.0	0.65	23.0
	RH-RBC-0845	2.5-4.5						24.5
M10	RH-RBC-1030	1.0-3.0	18.2	13.0	12.9	14.1	0.7	24.5
	RH-RBC-1050	3.0-5.0						26.0

FH-KB Flat Head Knurled Body





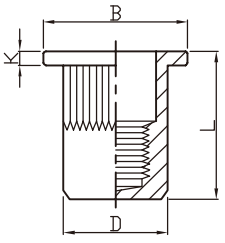


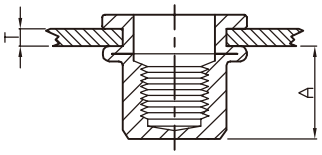
UNIT: mm

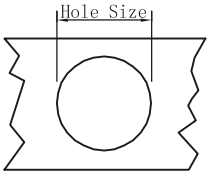
Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M3	FH-KB-0315	0.5-1.5	6.0	5.0	4.9	8.0	0.8	10.0
M4	FH-KB-0420	0.5-2.0	6.0	6.0	5.9	9.0	0.8	10.5
	FH-KB-0435	2.0-3.5						12.0
M5	FH-KB-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	13.0
	FH-KB-0550	2.5-5.0	8.5					16.5
M6	FH-KB-0630	0.5-3.0	9.2	9.0	8.9	12.30 (*13.0)	1.3	15.5
	FH-KB-0655	3.0-5.5	10.5					19.5
M8	FH-KB-0835	1.0-3.5	11.5	11.0	10.9	14.5(*16.0)	1.5	18.5
	FH-KB-0860	3.5-6.0						21.0
M10	FH-KB-1040	1.0-4.0	13.5	13.0	12.9	17.0(*19.0)	1.7	21.5
	FH-KB-1065	4.0-6.5						24.0
M12	FH-KB-1240	1.0-4.0	13.5	15.0	14.9	18.0	1.7	22.0
	FH-KB-1265	4.0-6.5	14.0					25.0
M10	FH-KB-1035(12H)	1.0-3.5	11.0	12.0	11.9	16.0	1.6	19.0
M12	FH-KB-1240(16H)	1.0-4.0	15.0	16.0	15.9	22.0	2.0	25.0
	FH-KB-1260(16H)	3.5-6.0	16.0					28.0

Part are different series, if customer need this size, please mark.
All this part included serration or without serration under the flange.

FH-KBC Flat Head Knurled Body Close End



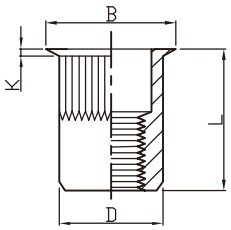


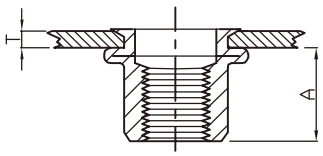


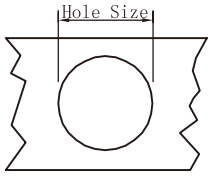
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-KBC-0420	0.5-2.0	11.3	6.0	5.9	9.0	0.8	16.0
	FH-KBC-0440	2.0-4.0						18.0
M5	FH-KBC-0530	0.5-3.0	11.5	7.0	6.9	10.0	1.0	17.0
	FH-KBC-0550	2.5-5.0						19.0
M6	FH-KBC-0630	0.5-3.0	12.7	9.0	8.9	12.3	1.3	19.2
	FH-KBC-0650	3.0-5.0						21.0
M8	FH-KBC-0830	0.5-3.0	14.8	11.0	10.9	15.0	1.5	21.5
	FH-KBC-0855	3.0-5.5						24.0
M10	FH-KBC-1040	1.0-4.0	19.2	13.0	12.9	17.0	1.6	27.0

RH-KB Reduce Head Knurled Body



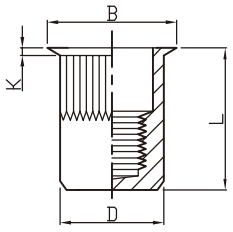


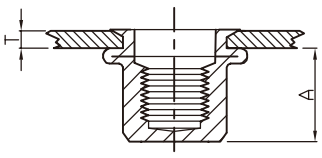


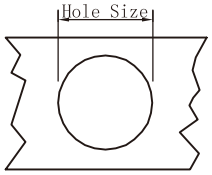
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M3	RH-KB-0320	0.5-2.0	6.2	5.0	4.9	6.0	0.5	9.0
M4	RH-KB-0420	0.5-2.0	7.0	6.0	5.9	7.0	0.5	11.2
	RH-KB-0440	2.0-4.0						13.0
M5	RH-KB-0520	0.5-2.0	7.0	7.0	6.9	8.0	0.5	11.5
	RH-KB-0540	2.0-4.0						13.0
M6	RH-KB-0625	0.5-2.5	8.5	9.0	8.9	10.0	0.6	14.0
	RH-KB-0650	2.5-5.0						16.0
M8	RH-KB-0830	0.5-3.0	10.0	11.0	10.9	12.0	0.65	16.5
	RH-KB-0850	3.0-5.0						18.5
M10	RH-KB-1035	1.0-3.5	12.5	13.0	12.9	14.0	0.7	19.5
	RH-KB-1060	3.5-6.0						22.0
M10	RH-KB-1035(12H)	1.0-3.5	12.5	12.0	11.9	13.0	0.7	19.5
M12	RH-KB-1240	1.0-4.0	16.2	16.0	15.9	17.6	0.75	24.2

RH-KBC Reduce Head Knurled Body Close End



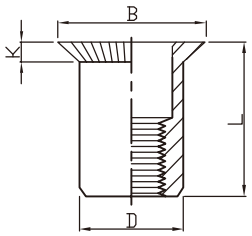


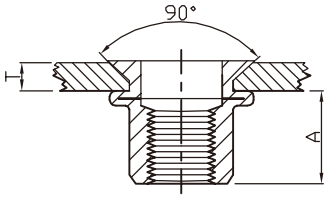


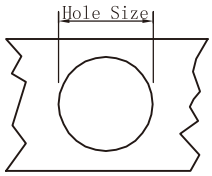
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-KBC-0420	0.5-2.0	11.0	6.0	5.9	7.0	0.5	15.0
	RH-KBC-0435	2.0-3.5						16.5
M5	RH-KBC-0520	0.5-2.0	12.5	7.0	6.9	8.0	0.5	16.5
	RH-KBC-0535	2.0-3.5						18.0
M6	RH-KBC-0630	0.5-3.0	15.5	9.0	8.9	10.0	0.6	20.5
	RH-KBC-0645	3.0-4.5						22.0
M8	RH-KBC-0830	0.5-3.0	17.0	11.0	10.9	12.0	0.65	23.0
	RH-KBC-0845	3.0-4.5						24.5
M10	RH-KBC-1030	1.0-3.0	18.2	13.0	12.9	14.0	0.7	24.5
	RH-KBC-1050	3.0-5.0						26.0

CH-RB Countersunk Head Round Body Plain



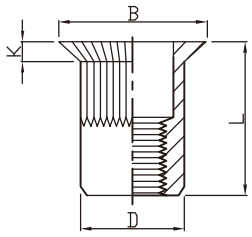


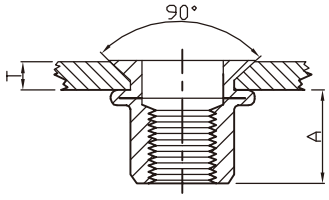


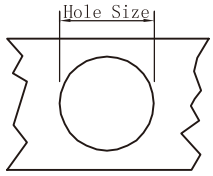
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	CH-RB-0430	1.5-3.0	6.5	6.0	5.9	9.0	1.5	12.0
M5	CH-RB-0535	1.5-3.5	7.5	7.0	6.9	10.0	1.5	13.0
M6	CH-RB-0640	1.5-4.0	9.0	9.0	8.9	12.0	1.5	15.5
M8	CH-RB-0845	2.0-4.5	11.0	11.0	10.9	14.0	1.5	18.5
M10	CH-RB-1050	2.0-5.0	13.0	13.0	12.9	16.0	1.5	21.0

CH-KB Countersunk Head Knurled Body



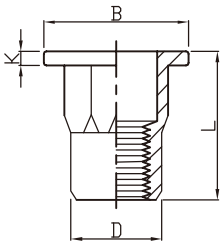


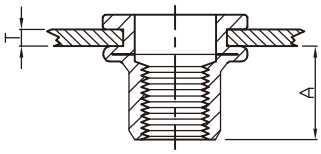


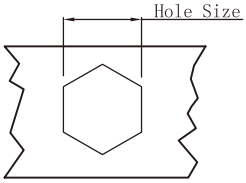
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	CH-KB-0430	1.5-3.0	6.5	6.0	5.9	9.0	1.5	12.0
M5	CH-KB-0535	1.5-3.5	7.5	7.0	6.9	10.0	1.5	13.0
M6	CH-KB-0640	1.5-4.0	9.0	9.0	8.9	12.0	1.5	15.5
M8	CH-KB-0845	2.0-4.5	11.0	11.0	10.9	14.0	1.5	18.5
M10	CH-KB-1050	2.0-5.0	13.0	13.0	12.9	16.0	1.5	21.0
M12	CH-KB-1250(16H)	2.0-5.0	16.5	16.0	15.9	19.0	1.5	24.0

FH-SHB Flat Head Semi-Hex Body



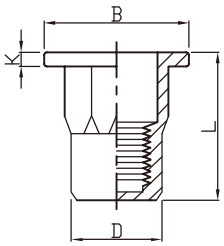


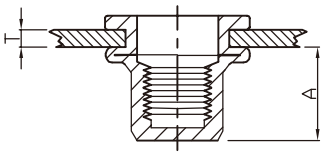


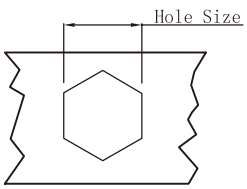
UNIT : mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-SHB-0420	0.5-2.0	6.5	6.0	5.9	9.0	0.8	11.0
M5	FH-SHB-0525	0.5-2.5	8.0	7.0	6.9	10.0	1.0	13.0
M6	FH-SHB-0630	0.5-3.0	8.5	9.0	8.9	12.7	1.35	15.0
M8	FH-SHB-0835	1.0-3.5	10.5	11.0	10.9	16.0	1.5	18.0
M10	FH-SHB-1035	1.0-3.5	12.5	13.0	12.9	18.0	1.7	21.0
M12	FH-SHB-1240	1.0-4.0	14.0	15.0	14.9	20.0	1.7	23.0
M10	FH-SHB-1035(12H)	1.0-3.5	11.0	12.0	11.9	17.0	1.6	19.0
M12	FH-SHB-1250(16H)	2.0-5.0	16.5	16.0	15.9	23.0	2.2	27.5

FH-SHBC Flat Head Semi-Hex Body Close End



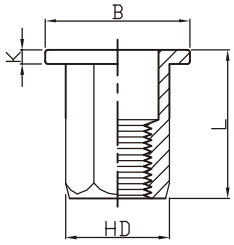


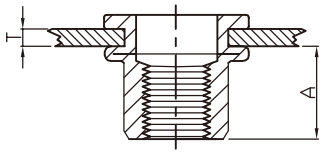


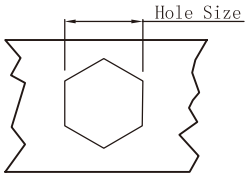
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-SHBC-0420	0.5-2.0	11.0	6.0	5.9	9.0	0.8	15.0
M5	FH-SHBC-0525	0.5-2.5	13.5	7.0	6.9	10.0	1.0	18.0
M6	FH-SHBC-0630	0.5-3.0	17.0	9.0	8.9	12.7	1.3	23.0
M8	FH-SHBC-0835	1.0-3.5	19.0	11.0	10.9	16.0	1.5	26.0
M10	FH-SHBC-1040	1.0-4.0	25.0	13.0	12.9	19.0	1.7	33.0

FH-FHB Flat Head Full Hex





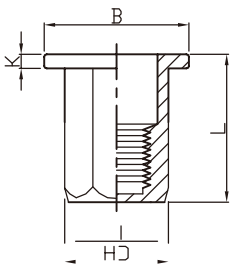


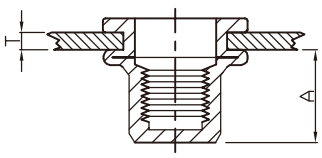
UNIT: mm

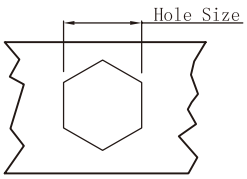
Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	HD +0.07 -0.1	B	K	L
M4	FH-FHB-0420	0.5-2.0	6.5	6.0	5.9	9.0	0.8	11.0
M5	FH-FHB-0525	0.5-2.5	8.0	7.0	6.9	10.0	1.0	14.0
M6	FH-FHB-0630	0.5-3.0	8.5	9.0	8.9	12.7(*13.0)	1.35	15.0(*16.0)
M8	FH-FHB-0835	1.0-3.5	10.5	11.0	10.9	16.0	1.5	18.0
M10	FH-FHB-1035	1.0-3.5	12.5	13.0	12.9	18.0(*19.0)	1.7	21.0(*23.0)
M12	FH-FHB-1240	1.0-4.0	14.0	15.0	14.9	20.0	1.7	23.0
M10	FH-FHB-1035(12H)	1.0-3.5	13.5	12.0	11.9	18.0	1.7	21.0
M12	FH-FHB-1250(16H)	2.0-5.0	16.5	16.0	15.9	23.0	2.0	27.0

※Part are different series, if customer need this size, please mark.

FH-FHBC Flat Head Full Hex Body Close End



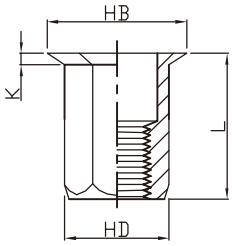


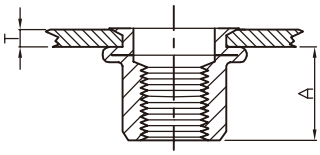


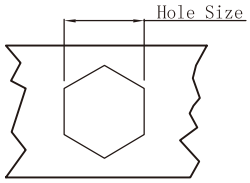
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	HD +0.07 -0.1	B	K	L
M4	FH-FHBC-0420	0.5-2.0	11.0	6.0	5.9	9.0	1.0	15.0
M5	FH-FHBC-0525	0.5-2.5	13.5	7.0	6.9	10.0	1.0	18.0
M6	FH-FHBC-0630	0.5-3.0	17.0	9.0	8.9	12.7	1.5	23.0
M8	FH-FHBC-0835	1.0-3.5	19.0	11.0	10.9	16.0	1.5	26.0
M10	FH-FHBC-1040	1.0-4.0	25.0	13.0	12.9	19.0	2.0	33.0

RHH-FHB Reduce Hex Head Full-Hex Body





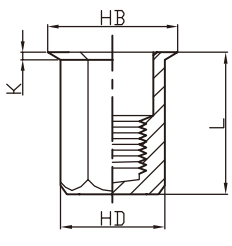


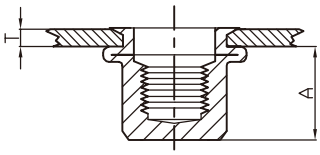
UNIT: mm

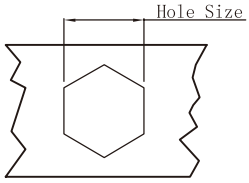
Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	HD +0.07 -0.1	HB	K	L
M4	RHH-FHB-0425	0.5-2.5	6.7	6.0	5.9	7.0	0.5	11.0
	RHH-FHB-0450	2.5-5.0						13.5
M5	RHH-FHB-0530	0.5-3.0	9.0	7.0	6.9	8.0	0.5	14.5
	RHH-FHB-0550	3.0-5.0						16.0
M6	RHH-FHB-0635	1.0-3.5	10.0	9.0	8.9	10.0	0.6	16.0
	RHH-FHB-0660	3.5-6.0						18.0
M8	RHH-FHB-0840	1.0-4.0	11.5	11.0	10.9	12.0	0.65	18.0
	RHH-FHB-0860	4.0-6.0						20.0
M10	RHH-FHB-1035	1.0-3.5	12.5	13.0	12.9	14.5	0.75	19.0
	RHH-FHB-1060	3.5-6.0	14.5					23.5

M12. M12 is available

RHH-FHBC Reduce Hex Head Full-Hex Body Close End



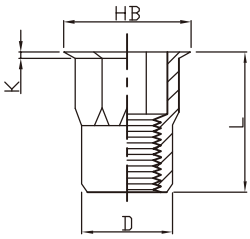


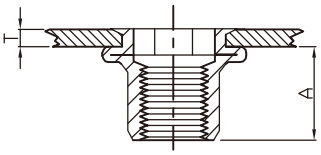


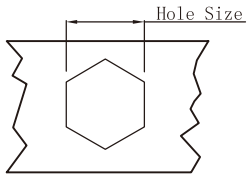
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	HD +0.07 -0.1	HB	K	L
M4	RHH-FHBC-0425	0.5-2.5	12.3	6.0	5.9	7.0	0.5	16.0
M5	RHH-FHBC-0530	0.5-3.0	15.2	7.0	6.9	8.0	0.5	20.0
M6	RHH-FHBC-0635	0.5-3.5	14.5	9.0	8.9	10.0	0.6	20.5
M8	RHH-FHBC-0840	1.0-4.0	17.0	11.0	10.9	12.0	0.65	23.0
M10	RHH-FHBC-1045	1.0-4.5	20.0	13.0	12.9	14.5	0.75	28.5

RHH-IHB Reduce Hex Head Inner-Hex Body



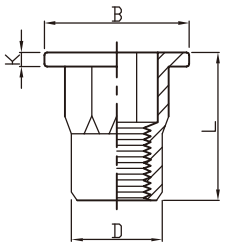


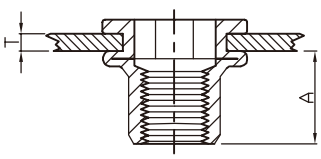


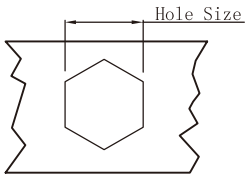
UNIT(单位): mm

螺纹 Thread	编号 P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	HB	K	L
M4	RHH-IHB-0420	0.5-2.0	8.3	6.0	5.9	7.0	0.5	12.0
M5	RHH-IHB-0525	0.5-2.5	8.7	7.0	6.9	8.0	0.5	13.0
M6	RHH-IHB-0635	1.0-3.5	10.5	9.0	8.9	10.0	0.6	16.0
M8	RHH-IHB-0835	1.0-3.5	11.3	11.0	10.9	12.0	0.65	17.5
M10	RHH-IHB-1040	1.0-4.0	12.8	13.0	12.9	14.5	0.75	21.0

FH-IHB Flat Head Inner-Hex Body



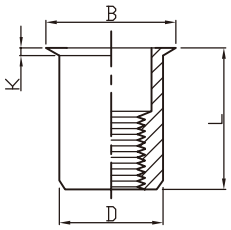


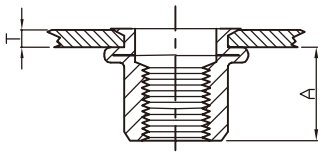


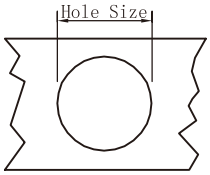
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-IHB-0420	0.5-2.0	7.0	6.0	5.9	9.0	0.8	11.0
M5	FH-IHB-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	12.0
M6	FH-IHB-0630	0.5-3.0	9.2	9.0	8.9	12.7	1.3	15.5
M8	FH-IHB-0835	1.0-3.5	11.2	11.0	10.9	16.0	1.5	18.0
M10	FH-IHB-1035	1.0-3.5	12.8	13.0	12.9	18.0	1.7	21.0

RH–RB–UK Reduce Head Round Body Plain-UK



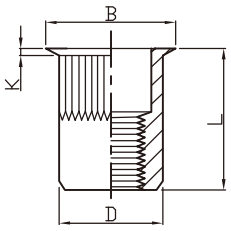


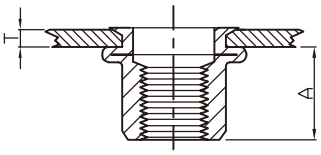


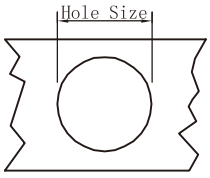
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size $^{+0.1}_{0}$	D ±0.05(* $^{+0.07}_{-0.1}$)	B	K	L
M3	RH-RB-UK-0315	0.5-1.5	5.5	4.8	4.65	5.4	0.4	9.0
M4	RH-RB-UK-0420	0.5-2.0	6.5	6.4	6.25	7.0	0.5	10.5
M5	RH-RB-UK-0525	0.5-2.5	7.5	7.2	7.05	7.8	0.5	12.0
M6	RH-RB-UK-0630	1.0-3.0	9.2	9.6	9.45	10.3	0.6	15.0
M8	RH-RB-UK-0835	1.0-3.5	10.5	10.6	10.45	11.3	0.6	16.0
M10	RH-RB-UK-1040	1.0-4.0	12.8	12.8	12.65*	13.8	0.65	20.0

RH–KB–UK Reduce Head Knurled Body-UK



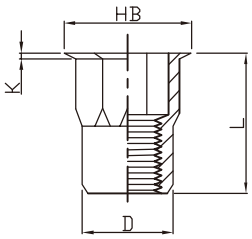


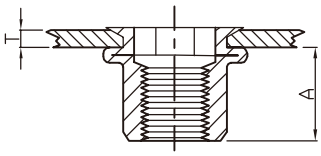


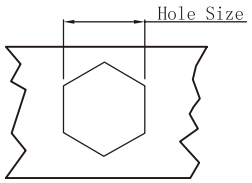
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size $^{+0.1}_{0}$	D ±0.05(* $^{+0.07}_{-0.1}$)	B	K	L
M3	RH-KB-UK-0315	0.5-1.5	5.5	4.8	4.65	5.4	0.4	9.0
M4	RH-KB-UK-0420	0.5-2.0	6.5	6.5	6.35	7.0	0.5	10.5
M5	RH-KB-UK-0525	0.5-2.5	7.5	7.25	7.15	7.85	0.5	12.0
M6	RH-KB-UK-0630	1.0-3.0	9.2	9.6	9.45	10.3	0.6	15.0
M8	RH-KB-UK-0835	1.0-3.5	10.5	10.6	10.45	11.3	0.6	16.0
M10	RH-KB-UK-1040	1.0-4.0	12.8	12.8	12.65*	13.8	0.65	20.0

RHH–IHB–UK Reduce Hex Head Inner Hex Body-UK



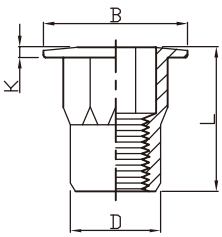


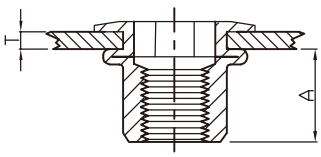


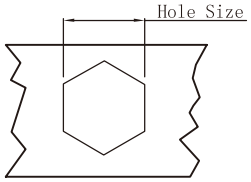
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size $^{+0.1}_{0}$	D ±0.05(*±0.08)	HB	K	L
M4	RHH-IHB-UK-0420	0.5-2.0	6.5	6.4	6.25	7.25	0.5	10.5
M5	RHH-IHB-UK-0525	0.5-2.5	7.5	7.2	7.05	8.1	0.5	12.0*
M6	RHH-IHB-UK-0630	1.0-3.0	9.2	9.6	9.45	10.5*	0.6*	15.0*
M8	RHH-IHB-UK-0835	1.0-3.5	10.5	10.6	10.45	11.5*	0.65*	16.5*

FH–IHB–UK Flat Head Inner-Hex Body-UK



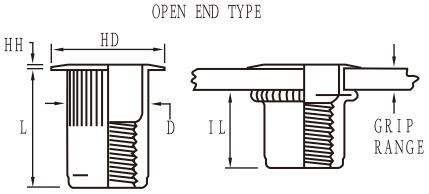


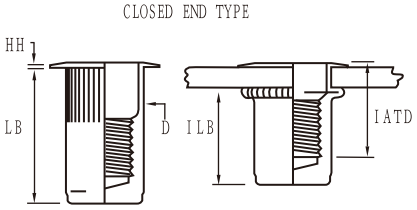


UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size $^{+0.1}_{0}$	D ±0.05(*±0.08)	B	K	L
M4	FH-IHB-UK-0420	0.5-2.0	6.5	6.4	6.25	9.5	0.6	10.5
M5	FH-IHB-UK-0525	0.5-2.5	7.5	7.2	7.05	10.0	0.8	12.0
M6	FH-IHB-UK-0630	1.0-3.0	9.2	9.6	9.4*	12.95*	1.0*	15.5*
M8	FH-IHB-UK-0835	1.0-3.5	10.5	10.6	10.45*	16.5*	1.15*	18.5*

FH–KB–US Flat Head Knurled Body-AVK





Thread Specifications: Unifed 2B/2lper ASME B1.1
Metric 6H/2lper ASME B1.13M

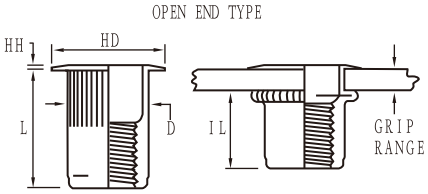
UNIT :INCH

Thread Size	Thread Call Out	Grip Range	Grip Call Out	Hole Size +.006 -.000	HD ±.010 ±.205*	HH ±.003	L ±.015	D MAX.	IL MAX.	LB ±.015	ILB MAX.	IATD* MAX.
6-32 UNC	632	.020-.080	80	17/64(.2656)	.390	.030	.420	.265	.305	.740	.640	.610
6-32UNC	632	.080-.130	130	17/64(.2656)	.390	.030	.470	.265	.305	.740	.580	.670
8-32UNC	832	.020-.080	80	17/64(.2656)	.390	.030	.420	.265	.305	.740	.640	.610
8-32UNC	832	.080-.130	130	17/64(.2656)	.390	.030	.470	.265	.305	.740	.580	.670
10-24UNC	1024	.020-.130	130	19/64(.2969)	.415	.030	.475	.296	.315	.990	.845	.730
10-24UNC	1024	.130-.225	225	19/64(.2969)	.415	.030	.585	.296	.315	.990	.735	.840
10-32 UNF	1032	.020-.130	130	19/64(.2969)	.415	.030	.475	.296	.315	.990	.845	.730
10-32 UNF	1032	.130-.225	225	19/64(.2969)	.415	.030	.585	.296	.315	.990	.735	.840
1/4-20 UNC	420	.027-.165	165	25/64(.3906)	.500	.030	.580	.390	.380	1.190	1.005	.895
1/4-20 UNC	420	.165-.260	260	25/64(.3906)	.500	.030	.680	.390	.380	1.190	.905	1.035
5/16-18 UNC	518	.027-.150	150	17/32(.5312)	.685*	.035	.690	.530	.470	1.390	1.175	.995
5/16-18 UNC	518	.150-.312	312	17/32(.5312)	.685*	.035	.805	.530	.425	1.390	1.025	1.120
3/8-16 UNC	616	.027-.150	150	17/32(.5312)	.685*	.035	.690	.530	.470	1.390	1.175	.995
3/8-16 UNC	616	.150-.312	312	17/32(.5312)	.685*	.035	.805	.530	.425	1.390	1.025	1.120
1/2-13 UNC	813	.063-.200	200	11/16(.6875)	.865*	.047	1.150	.685	.850	2.365	2.070	1.505
1/2-13 UNC	813	.200-.350	350	11/16(.6875)	.865*	.047	1.300	.685	.850	2.365	1.920	1.505
1/2-13 UNC	813	.365-.500	500	11/16(.6875)	.865*	.047	1.450	.685	.860	2.365	1.770	1.505

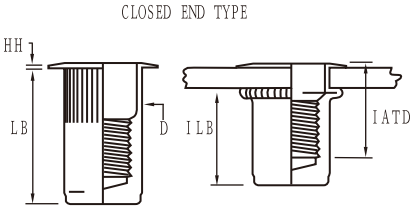
UNIT: mm

Thread Size	Thread Call Out	Grip Range	Grip Call Out	Hole Size +0,15 -,000	HD ±,0,25 ±,0,64*	HH ±.008	L ±,0,38	D MAX.	IL MAX.	LB ±,0,38	ILB MAX.	IATD* MAX.
M4x0,7 ISO	470	0,50-2,00	2.0	6,75	9,91	0,76	10,67	6,73	7,75	18,80	16,26	15,49
M4x0,7 ISO	470	2,00-3,30	3.3	6,75	9,91	0,76	11,94	6,73	7,75	18,80	14,73	17,02
M5x0,8 ISO	580	0,50-3,30	3.3	7,60	10,54	0,76	12,07	7,52	8,00	25,15	21,46	18,54
M5x0,8 ISO	580	3,30-5,70	5.7	7,60	10,54	0,76	14,86	7,52	8,00	25,15	18,67	21,34
M6x1,0 ISO	610	0,70-4,20	4.2	10,00	12,70	0,76	14,73	9,91	9,65	30,23	25,53	22,73
M6x1,0 ISO	610	4,20-6,60	6.6	10,00	12,70	0,76	17,27	9,91	9,65	30,23	22,99	26,29
M8x1,25 ISO	8125	0,70-3,80	3.8	13,50	17,40*	0,89	17,53	13,46	11,94	35,31	29,85	25,27
M8x1,25 ISO	8125	3,80-7,90	7.9	13,50	17,40*	0,89	20,45	13,46	10,80	35,31	26,04	28,45
M10x1,5 ISO	1015	0,70-3,80	3.8	13,50	17,40*	0,89	17,53	13,46	11,94	35,31	29,85	25,27
M10x1,5 ISO	1015	3,80-7,90	7.9	13,50	17,40*	0,89	20,45	13,46	10,80	35,31	26,04	28,45
M12x1,75 ISO	12175	1,60-5,10	5.1	17,45	21,97*	1,19	29,21	17,4	21,59	60,07	52,58	38,23
M12x1,75 ISO	12175	5,10-8,90	8.9	17,45	21,97*	1,19	33,02	17,4	21,59	60,07	48,77	38,23
M12x1,75 ISO	12175	8,90-12,7	12.7	17,45	21,97*	1,19	36,83	17,4	21,84	60,07	44,96	38,23

SFH–KB–US Small Flat Head Knurled Body-AVK



Thread Specifications: Unifed 2B/21per ASME B1.1
Metric 6H/21per ASME B1.13M



UNIT:INCH

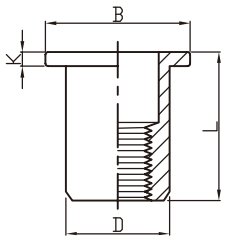
Thread Size	Thread Call Out	Grip Range	Grip Call Out	Hole Size +.006 -.000	HD ±.010	HH ±.002	L ±.015	D MAX.	IL MAX.	LB ±.015	ILB MAX.	IATD* MAX.
6-32 UNC	632	.020-.080	80	17/64(.2656)	.310	.019	.420	.265	.305	.740	.640	.610
6-32 UNC	632	.080-.130	130	17/64(.2656)	.310	.019	.470	.265	.305	.740	.580	.670
8-32 UNC	832	.020-.080	80	17/64(.2656)	.310	.019	.420	.265	.305	.740	.640	.610
8-32 UNC	832	.080-.130	130	17/64(.2656)	.310	.019	.470	.265	.305	.740	.580	.670
10-24 UNC	1024	.020-.130	130	19/64(.2969)	.340	.019	.475	.296	.315	.990	.845	.730
10-24 UNC	1024	.130-.225	225	19/64(.2969)	.340	.019	.585	.296	.315	.990	.735	.840
10-32 UNF	1032	.020-.130	130	19/64(.2969)	.340	.019	.475	.296	.315	.990	.845	.730
10-32 UNF	1032	.130-.225	225	19/64(.2969)	.340	.019	.585	.296	.315	.990	.735	.840
1/4-20 UNC	420	.027-.165	165	25/64(.3906)	.455	.022	.580	.390	.380	1.190	1.005	.895
1/4-20 UNC	420	.165-.260	260	25/64(.3906)	.455	.022	.680	.390	.380	1.190	.905	1.035
5/16-18 UNC	518	.027-.150	150	17/32(.5312)	.595	.022	.690	.530	.470	1.390	1.175	.995
5/16-18 UNC	518	.150-.312	312	17/32(.5312)	.595	.022	.805	.530	.425	1.390	1.025	1.120
3/8-16 UNC	616	.027-.150	150	17/32(.5312)	.595	.022	.690	.530	.470	1.390	1.175	.995
3/8-16 UNC	616	.150-.312	312	17/32(.5312)	.595	.022	.805	.530	.425	1.390	1.025	1.120

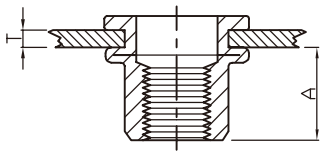
UNIT: mm

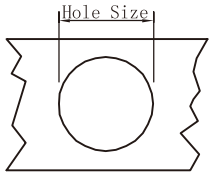
Thread Size	Thread Call Out	Grip Range	Grip Call Out	Hole Size +0,15 -0,00	HD ±0,25	HH ±0,05	L ±0,38	D MAX	IL MAX	LB ±0,38	ILB MAX	IATD* MAX
M4x0,7 ISO	470	0,50-2,00	2.0	6,75	7,87	0,48	10,67	6,73	7,75	18,80	16,26	15,49
M4x0,7 ISO	470	2,00-3,30	3.3	6,75	7,87	0,48	11,94	6,73	7,75	18,80	14,73	17,02
M5x0,8 ISO	580	0,50-3,30	3.3	7,60	8,64	0,48	12,07	7,52	8,00	25,15	21,46	18,54
M5x0,8 ISO	580	3,30-5,70	5.7	7,60	8,64	0,48	14,86	7,52	8,00	25,15	18,67	21,34
M6x1,0 ISO	610	0,70-4,20	4.2	10,00	11,56	0,55	14,73	9,91	9,65	30,23	25,53	22,73
M6x1,0 ISO	610	4,20-6,60	6.6	10,00	11,56	0,55	17,27	9,91	9,65	30,23	22,99	26,29
M8x1,25 ISO	8125	0,70-3,80	3.8	13,50	15,11	0,55	17,53	13,46	11,94	35,31	29,85	25,27
M8x1,25 ISO	8125	3,80-7,90	7.9	13,50	15,11	0,55	20,45	13,46	10,80	35,31	26,04	28,45
M10x1,5 ISO	1015	0,70-3,80	3.8	13,50	15,11	0,55	17,53	13,46	11,94	35,31	29,85	25,27
M10x1,5 ISO	1015	3,80-7,90	7.9	13,50	15,11	0,55	20,45	13,46	10,80	35,31	26,04	28,45

FH-RB/SS Flat Head Round Body Plain

Stainless Steel





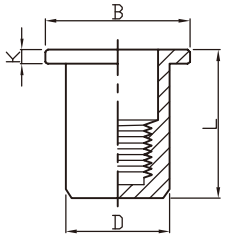


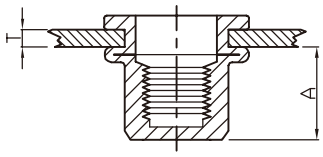
UNIT : mm

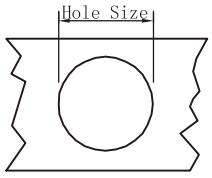
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-RB/SS-0420	0.5-2.0	6.0	6.0	5.9	8.5	0.8	10.5
M5	FH-RB/SS-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	13.0
M6	FH-RB/SS-0630	0.5-3.0	9.2	9.0	8.9	12.3	1.3	15.5
M8	FH-RB/SS-0835	1.0-3.5	11.5	11.0	10.9	15.0	1.5	18.5
M10	FH-RB/SS-1040	1.0-4.0	12.5	13.0	12.9	17.0	1.6	21.0

FH-RBC/SS Flat Head Round Body Plain Close End

Stainless Steel





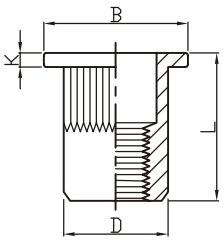


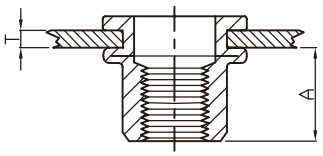
UNIT: mm

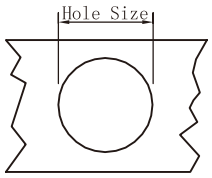
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-RBC/SS-0420	0.5-2.0	11.3	6.0	5.9	9.0	0.8	16.0
M5	FH-RBC/SS-0525	0.5-2.5	13.8	7.0	6.9	10.0	1.0	19.0
M6	FH-RBC/SS-0630	0.5-3.0	15.0	9.0	8.9	12.3	1.3	21.0
M8	FH-RBC/SS-0835	1.0-3.5	18.2	11.0	10.9	15.5	1.5	25.0
M10	FH-RBC/SS-1040	1.0-4.0	19.4	13.0	12.9	17.0	1.6	27.0

FH-KB/SS Flat Head Knurled Body

Stainless Steel





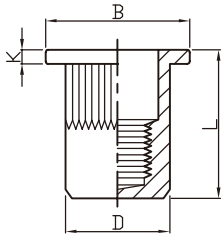


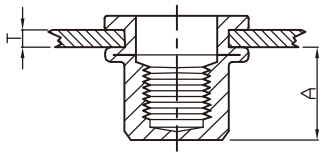
UNIT(单位): mm

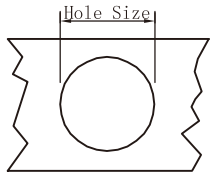
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B +0.25 -0.1	K	L
M4	FH-KB/SS-0420	0.5-2.0	6.5	6.0	5.9	9.0	0.8	10.5
M5	FH-KB/SS-0525	0.5-2.5	8.0	7.0	6.9	10.0	1.0	13.0
M6	FH-KB/SS-0630	0.5-3.0	9.2	9.0	8.9	12.3	1.3	15.5
M8	FH-KB/SS-0835	1.0-3.5	11.5	11 .0	10.9	14.5	1.5	18.5
M10	FH-KB/SS-1040	1.0-4.0	13.5	13.0	12.9	17.0	1.6	21.0

FH-KBC/SS Flat Head Knurled Body Close End

Stainless Steel





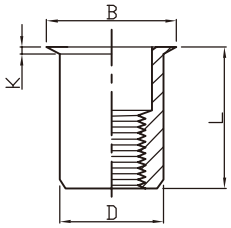


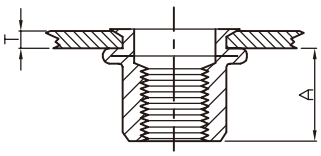
UNIT: mm

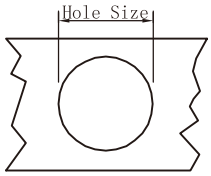
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-KBC/SS-0420	0.5-2.0	11.8	6.0	5.9	9.0	0.8	16.0
M5	FH-KBC/SS-0525	0.5-2.5	12.0	7.0	6.9	10.0	1.0	17.0
M6	FH-KBC/SS-0630	0.5-3.0	12.7	9.0	8.9	12.3	1.3	19.2
M8	FH-KBC/SS-0835	1.0-3.5	14.2	11 .0	10.9	15.0	1.5	21.5
M10	FH-KBC/SS-1040	1.0-4.0	18.0	13.0	12.9	17.0	1.6	27.0

RH-RB/SS Reduce Head Round Body Plain

Stainless Steel





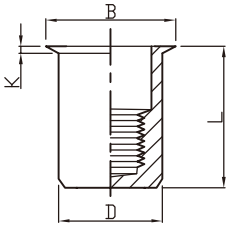


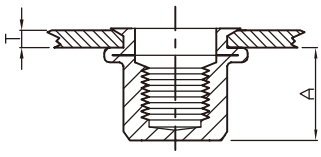
UNIT: mm

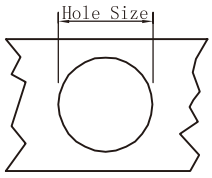
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-RB/SS-0420	0.5-2.0	6.5	6.0	5.9	7.0	0.5	10.5
M5	RH-RB/SS-0520	0.5-2.0	7.0	7.0	6.9	8.0	0.5	11.5
M6	RH-RB/SS-0625	0.5-2.5	8.5	9.0	8.9	10.0	0.6	14.0
M8	RH-RB/SS-0830	0.5-3.0	10.5	11.0	10.9	12.0	0.65	16.5
M10	RH-RB/SS-1035	1.0-3.5	11.5	13.0	12.9	14.0	0.7	17.7

RH-RBC/SS Reduce Head Round Body Plain Close End

Stainless Steel





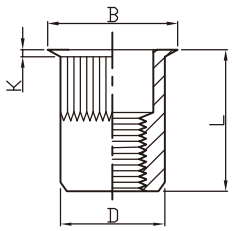


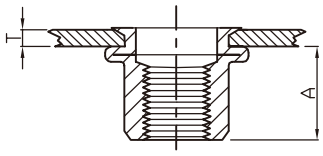
UNIT : mm

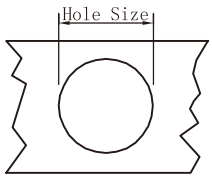
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-RBC/SS-0420	0.5-2.0	11.0	6.0	5.9	7.0	0.5	15.0
M5	RH-RBC/SS-0520	0.5-2.0	12.5	7.0	6.9	8.0	0.5	16.5
M6	RH-RBC/SS-0625	0.5-2.5	15.5	9.0	8.9	10.0	0.6	20.5
M8	RH-RBC/SS-0830	0.5-3.0	17.6	11.0	10.9	12.0	0.65	23.0
M10	RH-RBC/SS-1035	1.0-3.5	18.3	13.0	12.9	14.0	0.7	24.5

RH-KB/SS Reduce Head Knurled Body

Stainless Steel





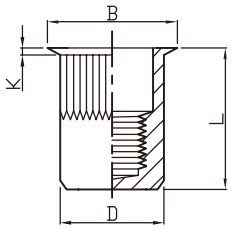


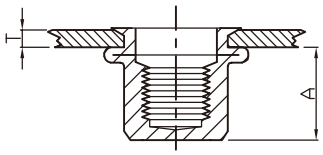
UNIT(单位): mm

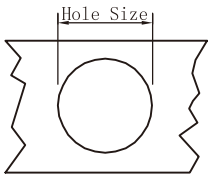
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-KB/SS-0420	0.5-2.0	6.5	6.0	5.9	7.0	0.5	10.5
M5	RH-KB/SS-0520	0.5-2.0	7.2	7.0	6.9	8.0	0.5	11.5
M6	RH-KB/SS-0625	0.5-2.5	8.7	9.0	8.9	10.0	0.6	14.0
M8	RH-KB/SS-0830	0.5-3.0	10.5	11 .0	10.9	12.0	0.65	16.5
M10	RH-KB/SS-1035	1.0-3.5	10.7	13.0	12.9	14.0	0.7	17.7

RH-KBC/SS Reduce Head Knurled Body Close End

Stainless Steel





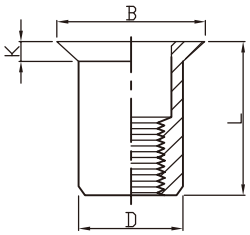


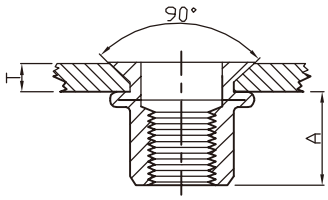
UNIT: mm

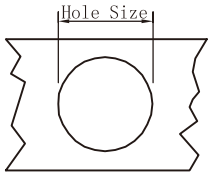
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-KBC/SS-0420	0.5-2.0	11.2	6.0	5.9	7.0	0.5	15.0
M5	RH-KBC/SS-0520	0.5-2.0	11.5	7.0	6.9	8.0	0.5	16.5
M6	RH-KBC/SS-0625	0.5-2.5	15.0	9.0	8.9	10.0	0.6	20.5
M8	RH-KBC/SS-0830	0.5-3.0	17.5	11 .0	10.9	12.0	0.65	23.0
M10	RH-KBC/SS-1035	1.0-3.5	18.0	13.0	12.9	14.0	0.7	24.5

CH-RB/SS Countersunk Head Round Body Plain

Stainless Steel





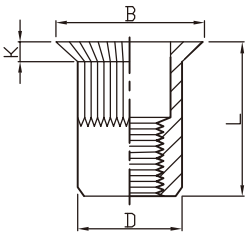


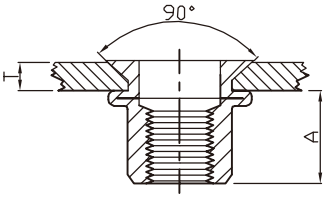
UNIT: mm

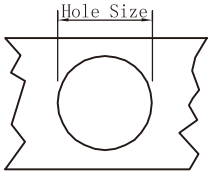
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	CH-RB/SS-0430	1.5-3.0	7.5	6.0	5.9	9.0	1.5	12.0
M5	CH-RB/SS-0535	1.5-3.5	7.8	7.0	6.9	10.0	1.5	13.0
M6	CH-RB/SS-0640	1.5-4.0	9.0	9.0	8.9	12.0	1.5	15.5
M8	CH-RB/SS-0845	2.0-4.5	12.0	11 .0	10.9	14.0	1.5	18.5
M10	CH-RB/SS-1050	2.0-5.0	13.0	13.0	12.9	16.0	1.5	21.0

CH-KB/SS Countersunk Head Knurled Body

Stainless Steel





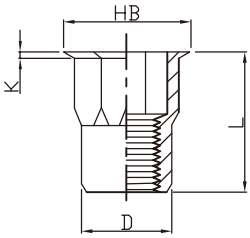


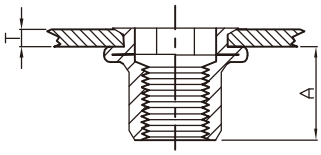
UNIT: mm

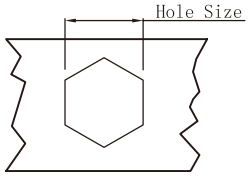
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	CH-KB/SS-0430	1.5-3.0	7.5	6.0	5.9	9.0	1.5	12.0
M5	CH-KB/SS-0535	1.5-3.5	7.8	7.0	6.9	10.0	1.5	13.0
M6	CH-KB/SS-0640	1.5-4.0	9.0	9.0	8.9	12.0	1.5	15.5
M8	CH-KB/SS-0845	2.0-4.5	12.0	11 .0	10.9	14.0	1.5	18.5
M10	CH-KB/SS-1050	2.0-5.0	13.0	13.0	12.9	16.0	1.5	21.0

RHH-IHB/SS Reduce Hex Head Inner-Hex Body

Stainless Steel





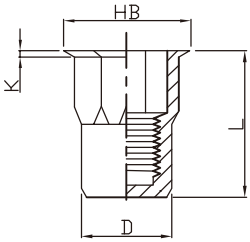


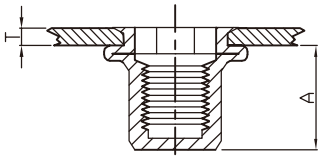
UNIT: mm

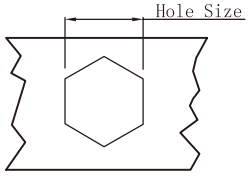
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	HB	K	L
M4	RHH-IHB/SS-0420	0.5-2.0	8.0	6.0	5.9	7.0	0.5	12.0
M5	RHH-IHB/SS-0525	0.5-2.5	8.2	7.0	6.9	8.0	0.5	13.0
M6	RHH-IHB/SS-0630	0.5-3.0	10.7	9.0	8.9	10.0	0.6	16.0
M8	RHH-IHB/SS-0835	1.0-3.5	11.2	11 .0	10.9	12.0	0.65	17.5
M10	RHH-IHB/SS-1040	1.0-4.0	13.5	13.0	12.9	14.5*	0.75	21.0

RHH-IHBC/SS Reduce Hex Head Inner-Hex Body Close End

Stainless Steel





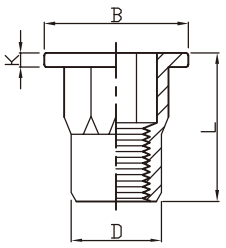


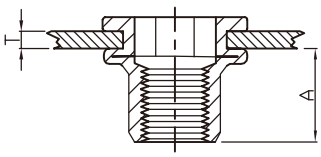
UNIT : mm

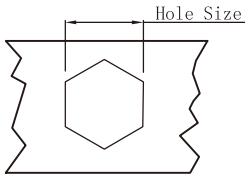
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	HB	K	L
M4	RHH-IHBC/SS-0420	0.5-2.0	11.5	6.0	5.9	7.0	0.5	15.5
M5	RHH-IHBC/SS-0525	0.5-2.5	13.5	7.0	6.9	8.0	0.5	18.0
M6	RHH-IHBC/SS-0630	0.5-3.5	15.8	9.0	8.9	10.0	0.6	21.5
M8	RHH-IHBC/SS-0835	1.0-3.5	18.2	11 .0	10.9	12.0	0.65	24.0
M10	RHH-IHBC/SS-1040	1.0-4.0	23.2	13.0	12.9	14.5	0.75	30.5

FH-IHB/SS Flat Head Inner-Hex Body

Stainless Steel





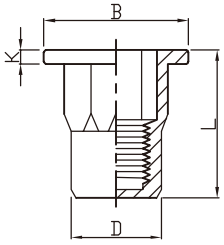


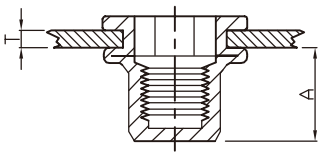
UNIT : mm

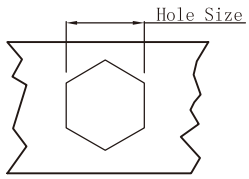
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-IHB/SS-0420	0.5-2.0	7.2	6.0	5.9	9.0	0.8	11.0
M5	FH-IHB/SS-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	12.0
M6	FH-IHB/SS-0630	0.5-3.0	9.2	9.0	8.9	12.7	1.3	15.5
M8	FH-IHB/SS-0835	1.0-3.5	11.0	11 .0	10.9	16.0	1.5	18.0
M10	FH-IHB/SS-1040	1.0-4.0	13.2	13.0	12.9	18.0	1.7	21.0

FH-IHBC/SS Flat Head Inner-Hex Body Close End

Stainless Steel





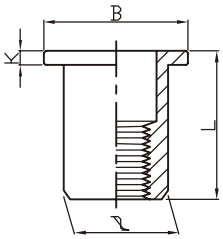


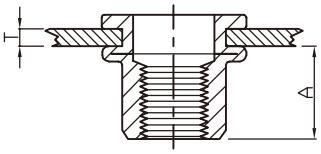
UNIT: mm

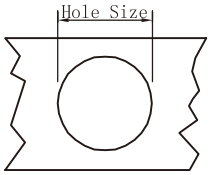
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-IHBC/SS-0420	0.5-2.0	11.5	6.0	5.9	9.0	1.0*	16.0
M5	FH-IHBC/SS-0525	0.5-2.5	13.5	7.0	6.9	10.0	1.0	18.5
M6	FH-IHBC/SS-0630	0.5-3.0	17.0	9.0	8.9	12.7	1.5	23.0
M8	FH-IHBC/SS-0835	1.0-3.5	18.2	11 .0	10.9	16.0	1.5	25.0*
M10	FH-IHBC/SS-1040	1.0-4.0	25.0	13.0	12.9	19.0	1.7	33.0*

FH-RB/AL Flat Head Round Body Plain

Aluminium





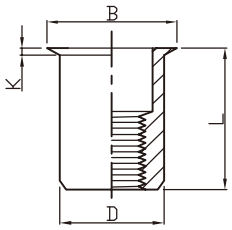


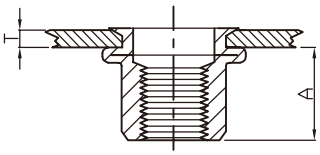
UNIT: mm

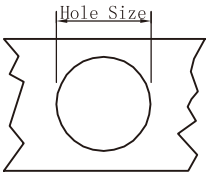
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	FH-RB/AL-0420	0.5-2.0	6.0	6.0	5.9	8.8*	0.8*	10.5*
M5	FH-RB/AL-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	13.0
M6	FH-RB/AL-0625	0.5-2.5	9.2	9.0	8.9	12.3	1.5	15.0
M8	FH-RB/AL-0830	1.0-3.0	10.2	11 .0	10.9	14.3	1.5	16.5
M10	FH-RB/AL-1040	1.0-4.0	11.5	13.0	12.9	16.3	1.6	19.0

RH-RB/AL Reduce Head Round Body Plain

Aluminium





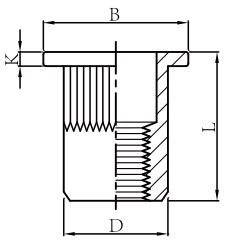


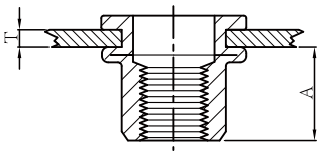
UNIT(单位): mm

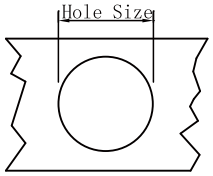
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-RB/AL-0420	0.5-2.0	6.0	6.0	5.9	7.0	0.5	10.5
M5	RH-RB/AL-0520	0.5-2.0	7.5	7.0	6.9	8.0	0.5	11.5
M6	RH-RB/AL-0625	0.5-2.5	9.2	9.0	8.9	10.0	0.6*	14.0*
M8	RH-RB/AL-0825	0.5-2.5	10.2	11 .0	10.9	12.0	0.65*	15.5*
M10	RH-RB/AL-1030	1.0-3.0	11.5	13.0	12.9	14.1	0.7*	17.7*

FH-KB/AL Flat Head Knurled Body

Aluminium





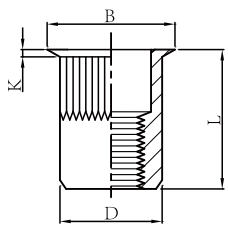


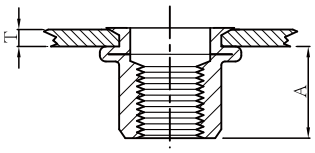
UNIT(单位): mm

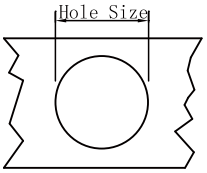
Thread	P/N	T(GRIP RANGE) Min Max	A Rer	Hole Size +0.1 0	D	B	K	L
M4	FH-KB/AL-0420	0.5-2.0	6.0	6.0	5.9	8.8*	0.8*	10.5*
M5	FH-KB/AL-0525	0.5-2.5	7.5	7.0	6.9	10.0	1.0	13.0
M6	FH-KB/AL-0625	0.5-2.5	9.2	9.0	8.9	12.3	1.5	15.0
M8	FH-KB/AL-0830	1.0-3.0	10.2	11.0	10.9	14.3	1.5	16.5
M10	FH-KB/AL-1040	1.0-4.0	11.5	13.0	12.9	16.3	1.6	19.0

RH-KB/AL Reduce Head Knurled Body

Aluminium



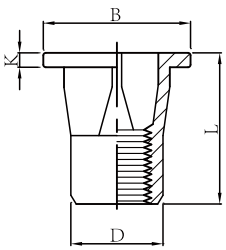


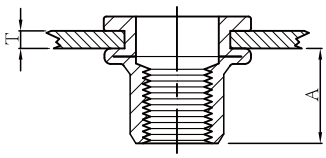


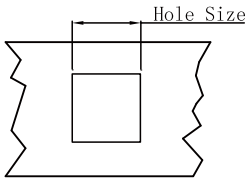
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M4	RH-KB/AL-0420	0.5-2.0	6.0	6.0	5.9	7.0	0.5	10.5
M5	RH-KB/AL-0520	0.5-2.0	7.5	7.0	6.9	8.0	0.5	11.5
M6	RH-KB/AL-0625	0.5-2.5	9.2	9.0	8.9	10.0	0.6*	14.0*
M8	RH-KB/AL-0825	0.5-2.5	10.2	11 .0	10.9	12.0	0.65*	15.5*
M10	RH-KB/AL-1030	1.0-3.0	11. 5	13.0	12.9	14.1	0.7*	17.7*

FH-SQB Flat Head Square Body



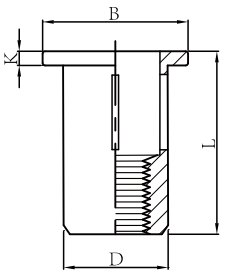


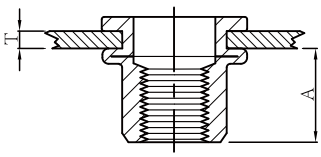


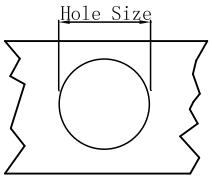
UNIT: mm

Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M5	FH-SQB-0515	0.5-1.5	8	7.0	6.9	10.5	0.6	11.2
	FH-SQB-0530	1.5-3.0					0.6	12.7
M6	FH-SQB-0625	0.5-2.5	8.5	9.0	8.9	14.0*	0.8*	14.3
	FH-SQB-0640	2.5-4.0	9.5				0.8*	17.2*
M8	FH-SQB-0830	1.0-3.0	11.5	11 .0	10.9	17.5*	1.3*	18.6*

FH-SLB Flat Head Slotted Body







UNIT: mm

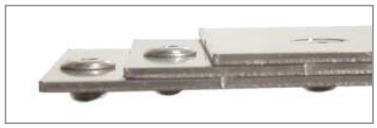
Thread	P/N	T(GRIP RANGE) Min Max	A Ref	Hole Size +0.1 0	D +0.07 -0.1	B	K	L
M5	FH-SLB-0545	0.5-4.5	9.6	7.5	7.4	12.7	1.0	22.0
M6	FH-SLB-0670	0.5-7.0	12.5	8.8	8.7	16.0	1.5	27.0
M8	FH-SLB-0870	1.0-7.0	14.3	11.1	11.0	19.0	1.6	30.5

MULTIGRIP BLIND RIVETS - ALUMINIUM BODY & STEEL MANDREL

Multigrip blind rivets have a wider grip range and better hole-filling properties than standard blind rivets, reducing inventory and creating the ideal solution for joining thin metal products.

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
DOME HEAD, ALUMINIUM MULTIGRIP			
3.2 x 8	0.5-5.0	Dome	500
3.2 x 9.5	2.0-6.5	Dome	500
3.2 x 11	3.5-8.0	Dome	500
4.0 x 8.0	0.5-4.5	Dome	500
4.0 x 9.5	1.0-6.0	Dome	500
4.0 x 12	3.5-8.5	Dome	500
4.0 x 16	7.5-12.5	Dome	500
4.8 x 10.3	0.5-5.5	Dome	500
4.8 x 15.1	5.0-10.5	Dome	500
4.8 x 17.0	7.0-12.0	Dome	500
COUNTERSUNK HEAD, ALUMINIUM MULTIGRIP			
3.2 x 9.7	2.5-6.5	Csk	500
4.0 x 11	2.5-7.5	Csk	500
4.8 x 12	2.0-7.0	Csk	500

Rivet Diameter	Drill Size	Dome Head Diameter	Csk Head Diameter
2.4	2.5	5.0	5.0
3.2	3.3	6.5	6.0
4.0	4.1	8.0	7.5
4.8	4.9	9.5	9.0
6.4	6.5	13.0	



Longer size rivets also available

Other Options:
White or Black Painted Finish
Steel Multigrip
Stainless Multigrip

STANDARD BLIND RIVETS - ALUMINIUM BODY & STEEL MANDREL

Standard blind rivets are a very simple and cost effective fastening solution for both high and low volume use, installation tools are shown on page 37.

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
DOME HEAD, ALUMINIUM			
2.4 x 4	0.5-2.0	Dome	500
2.4 x 6	2.0-4.0	Dome	500
2.4 x 8	4.0-6.0	Dome	500
3.2 x 4	0.5-1.5	Dome	500
3.2 x 6	1.5-3.5	Dome	500
3.2 x 8	3.5-5.5	Dome	500
3.2 x 10	5.5-7.5	Dome	500
3.2 x 12	7.5-9.5	Dome	500
4.0 x 6	1.5-3.0	Dome	500
4.0 x 8	3.0-5.0	Dome	500
4.0 x 10	5.0-6.5	Dome	500
4.0 x 12	6.5-8.5	Dome	500
4.0 x 14	8.5-10.5	Dome	500
4.8 x 6	1.0-3.0	Dome	500
4.8 x 8	3.0-4.5	Dome	500
4.8 x 10	4.5-6.0	Dome	500
4.8 x 12	6.0-8.0	Dome	500
4.8 x 14	8.0-10.0	Dome	500
4.8 x 16	10.0-12.0	Dome	500
6.4 x 12	4.0-6.0	Dome	250
6.4 x 15	6.0-9.0	Dome	250

Longer size rivets also available

Other Options:
Extra-Large Diameter Head

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
COUNTERSUNK HEAD - ALUMINIUM			
3.2 x 6	1.5-3.5	Csk	500
3.2 x 8	3.5-5.5	Csk	500
3.2 x 10	5.5-7.5	Csk	500
3.2 x 12	7.5-9.5	Csk	500
4.0 x 6	1.5-3.0	Csk	500
4.0 x 8	3.0-5.0	Csk	500
4.0 x 10	5.0-6.5	Csk	500
4.0 x 12	6.5-8.6	Csk	500
4.0 x 14	8.5-10.5	Csk	500
4.8 x 8	3.0-4.5	Csk	500
4.8 x 10	4.5-6.0	Csk	500
4.8 x 12	6.0-8.0	Csk	500
4.8 x 14	8.0-10.0	Csk	500

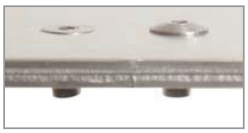
Longer size rivets also available

CLOSED END BLIND RIVETS - ALUMINIUM BODY & STEEL MANDREL

Closed end blind rivets are used where the secured rivet needs to be both air and watertight. The rivet mandrel is enclosed by the rivet body so that the radius expands to fill and seal the hole during setting.

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
DOME HEAD, ALUMINIUM CLOSED END			
3.2 x 6.5	0.5-2.0	Dome	500
3.2 x 8	2.0-3.5	Dome	500
3.2 x 9.5	3.5-5.0	Dome	500
3.2 x 10.7	5.0-6.5	Dome	500
4.0 x 8.0	0.5-3.5	Dome	500
4.0 x 9.5	3.5-4.5	Dome	500
4.0 x 11.0	4.5-6.5	Dome	500
4.0 x 12.7	6.5-8.0	Dome	500
4.8 x 8	1.0-3.0	Dome	500
4.8 x 9.5	3.0-4.5	Dome	500
4.8 x 11.0	4.5-6.0	Dome	500
4.8 x 12.5	6.0-7.5	Dome	500
4.8 x 14	7.5-9.0	Dome	500
COUNTERSUNK HEAD - ALUMINIUM CLOSED END			
3.2 x 9.0	3.0-5.0	Csk	500
3.2 x 10.5	4.5-6.5	Csk	500
4.0 x 9.5	3.0-5.0	Csk	500
4.0 x 12.5	6.0-8.0	Csk	500
4.8 x 9.5	2.5-4.5	Csk	500
4.8 x 12.5	5.5-7.5	Csk	500

Rivet Diameter	Drill Size	Dome Head Diameter	Csk Head Diameter
2.4	2.5	5.0	5.0
3.2	3.3	6.5	6.0
4.0	4.1	8.0	7.5
4.8	4.9	9.5	9.0
6.4	6.5	13.0	



Longer size rivets also available

STANDARD BLIND RIVETS - STEEL BODY & MANDREL

Steel blind rivets offer stronger performance than the aluminium type and are a very simple and cost effecti e fastening solution for both high and low volume use.

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
DOME HEAD - STEEL ZINC PLATED			
3.2 x 6	1.5-3.0	Dome	500
3.2 x 8	3.0-5.0	Dome	500
3.2 x 10	5.0-7.0	Dome	500
3.2 x 12	7.0-9.0	Dome	500
4.0 x 6	1.5-2.5	Dome	500
4.0 x 8	2.5-4.5	Dome	500
4.0 x 10	4.5-6.5	Dome	500
4.0 x 12	6.5-8.5	Dome	500
4.0 x 14	8.5-10.5	Dome	500
4.8 x 6	1.0-2.5	Dome	500
4.8 x 8	2.5-4.5	Dome	500
4.8 x 10	4.5-6.0	Dome	500
4.8 x 12	6.0-8.0	Dome	500
4.8 x 14	8.0-10.0	Dome	500
4.8 x 16	10.0-11.5	Dome	500
6.4 x 12	3.5-6.5	Dome	500
6.4 x 15	6.5-9.5	Dome	500

Longer size rivets also available

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
COUNTERSUNK HEAD - STEEL ZINC PLATED			
3.2 x 6	1.5-3.0	Csk	500
3.2 x 8	3.0-5.0	Csk	500
3.2 x 10	5.0-7.0	Csk	500
3.2 x 12	7.0-9.0	Csk	500
4.0 x 6	1.5-2.5	Csk	500
4.0 x 8	2.5-4.5	Csk	500
4.0 x 10	4.5-6.5	Csk	500
4.0 x 12	6.5-8.5	Csk	500
4.0 x 14	8.5-10.5	Csk	500
4.8 x 8	2.5-4.5	Csk	500
4.8 x 10	4.5-6.0	Csk	500
4.8 x 12	6.0-8.0	Csk	500
4.8 x 14	8.0-10.0	Csk	500

Longer size rivets also available

STANDARD BLIND RIVETS - A2 STAINLESS BODY & MANDREL

Stainless steel blind rivets have both anti-corrosion properties and stronger performance than the aluminium type, they can also be supplied in A4 marine grade stainless for highly corrosive applications.

Rivet Dia. x Body Length	Grip Range	Head Style	Order Multiple
DOME HEAD - STAINLESS STEEL			
3.2 x 6	1.5-2.5	Dome	500
3.2 x 8	2.5-4.5	Dome	500
3.2 x 10	4.5-6.5	Dome	500
3.2 x 12	6.5-8.5	Dome	500
4.0 x 6	0.5-2.0	Dome	500
4.0 x 8	2.0-4.0	Dome	500
4.0 x 10	4.0-6.0	Dome	500
4.0 x 13	7.0-9.0	Dome	500
4.8 x 8	1.5-3.0	Dome	500
4.8 x 10	3.0-5.0	Dome	500
4.8 x 12	5.0-7.0	Dome	500
4.8 x 14	7.0-9.0	Dome	500
COUNTERSUNK HEAD - STAINLESS STEEL			
3.2 x 6	1.5-2.5	Csk	500
3.2 x 8	2.5-4.5	Csk	500
3.2 x 10	4.5-6.5	Csk	500
4.0 x 8	2.0-4.0	Csk	500
4.0 x 10	4.0-6.0	Csk	500
4.0 x 12	6.0-8.0	Csk	500
4.8 x 8	1.5-3.0	Csk	500
4.8 x 10	3.0-5.0	Csk	500
4.8 x 12	5.0-7.0	Csk	500

Longer size rivets also available

Rivet Diameter	Drill Size	Dome Head Diameter	Csk Head Diameter
2.4	2.5	5.0	5.0
3.2	3.3	6.5	6.0
4.0	4.1	8.0	7.5
4.8	4.9	9.5	9.0
6.4	6.5	13.0	

Other Options:
A4 Marine Grade Stainless

OTHER RIVET TYPES AVAILABLE

COPPER BODY RIVETS

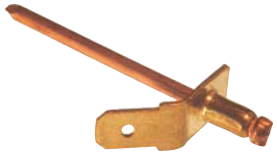
PEEL RIVETS

TRIFORM RIVETS

GROOVED BODY RIVETS

WHITE & BLACK PAINTED RIVETS

EARTH TAG RIVETS



HIGH STRENGTH RIVETS

CLINCH NUTS

Clinch nuts provide load-bearing threads in thin metal materials.
Like all clinch fasteners, they are installed into pre-punched or drilled holes using a press and become locked into the parent material.

Thread Size-Shank Code	Suitable Sheet Thickness	Part No	Order Multiple	Hole Diameter	Nut Body Diameter	Nut Body Thickness	Min. dist' centre to edge
STEEL, ZINC PLATED							
M2-0 M2-1 M2-2	0.8-1.0 1.0-1.4 1.4+	C - S M2-0 C - S M2-1 C - S M2-2	100 100 100	4.25	6.30	1.5	4.8
M2.5-0 M2.5-1 M2.5-2	0.8-1.0 1.0-1.4 1.4+	C - S M2.5-0 C - S M2.5-1 C - S M2.5-2	100 100 100	4.25	6.30	1.5	4.8
M3-0 M3-1 M3-2	0.8-1.0 1.0-1.4 1.4+	C - S M3-0 C - S M3-1 C - S M3-2	100 100 100	4.25	6.30	1.5	4.8
M3.5-0 M3.5-1 M3.5-2	0.8-1.0 1.0-1.4 1.4+	C - S M3.5-0 C - S M3.5-1 C - S M3.5-2	100 100 100	4.75	7.10	1.5	5.6
M4-0 M4-1 M4-2	0.8-1.0 1.0-1.4 1.4+	C - S M4-0 C - S M4-1 C - S M4-2	100 100 100	5.40	7.90	2.0	6.9
M5-0 M5-1 M5-2	0.8-1.0 1.0-1.4 1.4+	C - S M5-0 C - S M5-1 C - S M5-2	100 100 100	6.40	8.70	2.0	7.1
M6-0 M6-1 M6-2	1.2-1.4 1.4-2.3 2.3+	C - S M6-0 C - S M6-1 C - S M6-2	100 100 100	8.75	11.05	4.1	8.6
M8-1 M8-2	1.4-2.3 2.3+	C - S M8-1 C - S M8-2	50 50	10.50	12.65	5.5	9.7
M10-1 M10-2	2.3-3.2 3.2+	C - S M10-1 C - S M10-2	50 50	14.00	17.35	7.5	13.5
STAINLESS STEEL							
M2-1	1.0+	C - CLS M2-1	100	4.25	6.30	1.5	4.8
M2.5-1 M2.5-2	1.0-1.4 1.4+	C - CLS M2.5-1 C - CLS M2.5-2	100 100	4.25	6.30	1.5	4.8
M3-0 M3-1 M3-2	0.8-1.0 1.0-1.4 1.4+	C - CLS M3-0 C - CLS M3-1 C - CLS M3-2	100 100 100	4.25	6.30	1.5	4.8
M4-1 M4-2	1.0-1.4 1.4+	C - CLS M4-1 C - CLS M4-2	100 100	5.40	7.90	2.0	6.9
M5-1 M5-2	1.0-1.4 1.4+	C - CLS M5-1 C - CLS M5-2	100 100	6.40	8.70	2.0	7.1
M6-1 M6-2	1.4-2.3 2.3+	C - CLS M6-1 C - CLS M6-2	50 50	8.75	11.05	4.1	8.6
M8-1 M8-2	1.4-2.3 2.3+	C - CLS M8-1 C - CLS M8-2	50 50	10.50	12.65	5.5	9.7
EXTRA HARD STAINLESS STEEL							
This type is recommended if installing into stainless material, 90HRB max hardness							
M3-0 M3-1 M3-2	0.8-1.0 1.0-1.4 1.4+	C - SP M3-0 C - SP M3-1 C - SP M3-2	100 100 100	4.25	6.3	1.5	4.8
M4-1 M4-2	1.0-1.4 1.4+	C - SP M4-1 C - SP M4-2	100 100	5.40	7.9	2.0	6.9
M5-1 M5-2	1.0-1.4 1.4+	C - SP M5-1 C - SP M5-2	100 100	6.40	8.7	2.0	7.1
M6-1	1.4+	C - SP M6-1	50	8.75	11.1	4.1	8.6
ALUMINIUM ALLOY							
M3-1 M3-2	1.0-1.4 1.4+	C - CLA M3-1 C - CLA M3-2	100 100	4.75	6.3	2.0	5.6
M4-1 M4-2	1.0-1.4 1.4 +	C - CLA M4-1 C - CLA M4-2	100 100	6.00	7.9	3.0	7.1

Other Options:
UNF/UNC Thread Sizes, M5 & M6 Aluminium Nuts

CLINCH FLUSH NUTS

Clinch flush nuts provide a strong thread in materials too soft and ductile to tap. When installed they do not protrude on either surface of the sheet and are locked into the parent material.

Thread Size-Shank Code	Suitable Sheet Thickness	Part No	Order Multiple	Hole Diameter	Body AF	Body Height	Min. dist' centre to edge
STAINLESS STEEL							
M2-1	1.5+	C - F M2-1	100	4.40	4.8	1.5	6.0
M2.5-1 M2.5-2	1.5-2.4 2.4+	C - F M2.5-1 C - F M2.5-2	100 100	4.40	4.8	1.5 2.3	6.0
M3-1 M3-2	1.5-2.4 2.4+	C - F M3-1 C - F M3-2	100 100	4.40	4.8	1.5 2.3	6.0
M4-1 M4-2	1.5-2.4 2.4+	C - F M4-1 C - F M4-2	100 100	7.40	7.9	1.5 2.3	7.2
M5-1 M5-2	1.5-2.4 2.4+	C - F M5-1 C - F M5-2	100 100	7.90	8.7	1.5 2.3	8.0
M6-3	3.2+	C - F M6-3	50	8.75	9.5	3.1	8.8

Other Options:
M3.5 Thread Sizes
UNF/UNC Thread Sizes

CLINCH BLIND NUTS

Clinch blind nuts have an extended section which encloses the screw thread and prevents ingress of moisture and contamination into the component. They require the same hole size as standard clinch nuts.

Thread Size-Shank Code	Suitable Sheet Thickness	Part No	Order Multiple	Hole Diameter	Max Body Diameter	Body Height	Min. dist' centre to edge
STEEL ZINC PLATED							
M3-1 M3-2	1.0-1.4 1.4+	C - B M3-1 C - B M3-2	50 50	4.25	6.35	9.6	4.8
M4-1 M4-2	1.0-1.4 1.4+	C - B M4-1 C - B M4-2	50 50	5.4	7.95	11.2	6.9
M5-1 M5-2	1.0-1.4 1.4+	C - B M5-1 C - B M5-2	50 50	6.4	8.75	11.2	7.1
M6-1 M6-2	1.4-2.3 2.3+	C - B M6-1 C - B M6-2	50 50	8.75	11.1	14.3	8.6
STAINLESS STEEL							
M3-1 M3-2	1.0-1.4 1.4+	C - BS M3-1 C - BS M3-2	50 50	4.25	6.35	9.6	4.8
M4-1 M4-2	1.0-1.4 1.4+	C - BS M4-1 C - BS M4-2	50 50	5.4	7.95	11.2	6.9
M5-1 M5-2	1.0-1.4 1.4+	C - BS M5-1 C - BS M5-2	50 50	6.4	8.75	11.2	7.1
M6-1 M6-2	1.4-2.3 2.3+	C - BS M6-1 C - BS M6-2	50 50	8.75	11.1	14.3	8.6

Other Options
UNF/UNC Thread Sizes

CLINCH FLOATING NUTS

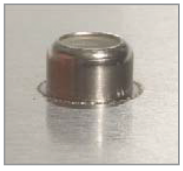
Clinch floating nuts have the same advantages as standard clinch nuts and also provide 0.8mm adjustment of the screw centre for applications where alignment could be a problem.

Thread Size Shank Code	Suitable Sheet Thickness	Part No.	Order Multiple	Hole Diameter	Body Diameter	Body Height	Min. dist' centre to edge
STEEL ZINC PLATED							
M3-1	1.0-1.4	C - AS M3-1	50	7.40	9.14	3.31	7.62
M3-2	1.4+	C - AS M3-2	50				
M4-1	1.0-1.4	C - AS M4-1	50	9.40	11.20	3.31	8.64
M4-2	1.4+	C - AS M4-2	50				
M5-1	1.0-1.4	C - AS M5-1	50	10.31	11.94	4.32	9.14
M5-2	1.4+	C - AS M5-2	50				
M6-2	1.4+	C - AS M6-2	50	13.10	15.30	5.33	10.67
STAINLESS STEEL							
M3-1	1.0-1.4	C - AC M3-1	50	7.40	9.14	3.31	7.62
M3-2	1.4+	C - AC M3-2	50				
M4-1	1.0-1.4	C - AC M4-1	50	9.40	11.20	3.31	8.64
M4-2	1.4+	C - AC M4-2	50				
M5-1	1.0-1.4	C - AC M5-1	50	10.31	11.94	4.32	9.14
M5-2	1.4+	C - AC M5-2	50				
M6-2	1.4+	C - AC M6-2	50	13.10	15.30	5.33	10.67

Other Options:
UNF/UNC Thread Sizes

CLINCH NYLON-INSERT LOCK NUTS

Clinch nylon-insert lock nuts have a reusable nylon thread locking insert which prevents the mating screw thread becoming loose.



Thread Size	Suitable Sheet Thickness	Part No.	Order Multiple	Hole Diameter	Body Diameter	Body Height	Min. dist' centre to edge
STEEL ZINC PLATED							
M3	1.5-1.8*	C - PL M3	100	6.0	5.5	3.6	4.3
M4	1.5-1.8*	C - PL M4	100	7.5	7.0	4.2	5.6
M5	1.5-1.8*	C - PL M5	100	8.0	7.5	4.5	6.4
STAINLESS STEEL							
M3	1.5-1.8*	C - PLC M3	100	6.0	5.5	3.6	4.3
M4	1.5-1.8*	C - PLC M4	100	7.5	7.0	4.2	5.6
M5	1.5-1.8*	C - PLC M5	100	8.0	7.5	4.5	6.4

* May be installed in material thinner than 1.5mm and thicker than 1.8mm with special consideration.

Other Options:
UNF/UNC Thread Sizes

Another Type Of Lock Nut

Clinch All-Metal Lock Nuts

BLIND CLINCH STANDOFFS, STEEL

Blind clinch standoffs provide a permanent threaded spacer in thin metal materials. On installation with a press, the thin hexagon head is embedded in the parent material leaving it flush on the reverse side. These parts are available in a wide range of standard lengths; special sizes can be made to order.

Thread Size x Overall Length	Hole Size	Part No	Order Multiple	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
STEEL ZINC PLATED						
M2.5 x 6	4.2	C - BSO M2.5 x 6	100	4.1	1.0	6.0
M2.5 x 8	4.2	C - BSO M2.5 x 8	100			
M2.5 x 10	4.2	C - BSO M2.5 x 10	100			
M2.5 x 12	4.2	C - BSO M2.5 x 12	100			
M2.5 x 14	4.2	C - BSO M2.5 x 14	100			
M2.5 x 16	4.2	C - BSO M2.5 x 16	50			
M2.5 x 18	4.2	C - BSO M2.5 x 18	50			
M3 x 6	4.2	C - BSO 4.2 M3 x 6	100	4.1	1.0	6.8
M3 x 6	5.4	C - BSO 5.4 M3 x 6	100	5.3		
M3 x 8	4.2	C - BSO 4.2 M3 x 8	100	4.1		
M3 x 8	5.4	C - BSO 5.4 M3 x 8	100	5.3		
M3 x 10	4.2	C - BSO 4.2 M3 x 10	100	4.1		
M3 x 10	5.4	C - BSO 5.4 M3 x 10	100	5.3		
M3 x 12	4.2	C - BSO 4.2 M3 x 12	100	4.1		
M3 x 12	5.4	C - BSO 5.4 M3 x 12	100	5.3		
M3 x 14	4.2	C - BSO 4.2 M3 x 14	100	4.1		
M3 x 14	5.4	C - BSO 5.4 M3 x 14	100	5.3		
M3 x 16	4.2	C - BSO 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - BSO 5.4 M3 x 16	50	5.3		
M3 x 18	4.2	C - BSO 4.2 M3 x 18	50	4.1		
M3 x 18	5.4	C - BSO 5.4 M3 x 18	50	5.3		
M3 x 20	4.2	C - BSO 4.2 M3 x 20	50	4.1		
M3 x 20	5.4	C - BSO 5.4 M3 x 20	50	5.3		
M3 x 22	4.2	C - BSO 4.2 M3 x 22	50	4.1		
M3 x 22	5.4	C - BSO 5.4 M3 x 22	50	5.3		
M3 x 25	4.2	C - BSO 4.2 M3 x 25	50	4.1		
M3 x 25	5.4	C - BSO 5.4 M3 x 25	50	5.3		
M4 x 6	7.2	C - BSO M4 x 6	100	7.1	1.3	8.0
M4 x 8	7.2	C - BSO M4 x 8	100			
M4 x 10	7.2	C - BSO M4 x 10	100			
M4 x 12	7.2	C - BSO M4 x 12	100			
M4 x 14	7.2	C - BSO M4 x 14	100			
M4 x 16	7.2	C - BSO M4 x 16	50			
M4 x 18	7.2	C - BSO M4 x 18	50			
M4 x 20	7.2	C - BSO M4 x 20	50			
M4 x 22	7.2	C - BSO M4 x 22	50			
M4 x 25	7.2	C - BSO M4 x 25	50			
M5 x 6	7.2	C - BSO M5 x 6	100	7.1	1.3	8.0
M5 x 8	7.2	C - BSO M5 x 8	100			
M5 x 10	7.2	C - BSO M5 x 10	100			
M5 x 12	7.2	C - BSO M5 x 12	100			
M5 x 14	7.2	C - BSO M5 x 14	100			
M5 x 16	7.2	C - BSO M5 x 16	50			
M5 x 18	7.2	C - BSO M5 x 18	50			
M5 x 20	7.2	C - BSO M5 x 20	50			

Other Options:
UNF/UNC Thread Sizes, Non-Standard Lengths, Clear-hole (Unthreaded) Type

BLIND CLINCH STANDOFFS, STAINLESS STEEL

Stainless steel blind clinch standoffs are available in two grades, C-BSOS type which are the standard type at lower cost suitable for use in material up to HRB 70 hardness.
The C-BSO4 type (next page) is made from a harder 400 series stainless material and is recommended for installation into stainless materials of up to HRB 88 hardness.

Thread Size x Overall Length	Hole Size	Part No	Order Multiple	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
STAINLESS STEEL						
M3 x 6	4.2	C - BSOS 4.2 M3 x 6	100	4.1		
M3 x 6	5.4	C - BSOS 5.4 M3 x 6	100	5.3		
M3 x 8	4.2	C - BSOS 4.2 M3 x 8	100	4.1		
M3 x 8	5.4	C - BSOS 5.4 M3 x 8	100	5.3		
M3 x 10	4.2	C - BSOS 4.2 M3 x 10	100	4.1		
M3 x 10	5.4	C - BSOS 5.4 M3 x 10	100	5.3		
M3 x 12	4.2	C - BSOS 4.2 M3 x 12	50	4.1		
M3 x 12	5.4	C - BSOS 5.4 M3 x 12	50	5.3		
M3 x 14	4.2	C - BSOS 4.2 M3 x 14	50	4.1		
M3 x 14	5.4	C - BSOS 5.4 M3 x 14	50	5.3	1.0	6.8
M3 x 16	4.2	C - BSOS 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - BSOS 5.4 M3 x 16	50	5.3		
M3 x 18	4.2	C - BSOS 4.2 M3 x 18	50	4.1		
M3 x 18	5.4	C - BSOS 5.4 M3 x 18	50	5.3		
M3 x 20	4.2	C - BSOS 4.2 M3 x 20	50	4.1		
M3 x 20	5.4	C - BSOS 5.4 M3 x 20	50	5.3		
M3 x 22	5.4	C - BSOS 5.4 M3 x 22	50	5.3		
M3 x 25	5.4	C - BSOS 5.4 M3 x 25	50	5.3		
M4 x 6	7.2	C - BSOS M4 x 6	100			
M4 x 8	7.2	C - BSOS M4 x 8	100			
M4 x 10	7.2	C - BSOS M4 x 10	100			
M4 x 12	7.2	C - BSOS M4 x 12	50			
M4 x 14	7.2	C - BSOS M4 x 14	50			
M4 x 16	7.2	C - BSOS M4 x 16	50	7.1	1.3	8.0
M4 x 18	7.2	C - BSOS M4 x 18	50			
M4 x 20	7.2	C - BSOS M4 x 20	50			
M4 x 22	7.2	C - BSOS M4 x 22	50			
M4 x 25	7.2	C - BSOS M4 x 25	50			
M5 x 8	7.2	C - BSOS M5 x 8	100			
M5 x 10	7.2	C - BSOS M5 x 10	100			
M5 x 12	7.2	C - BSOS M5 x 12	50			
M5 x 14	7.2	C - BSOS M5 x 14	50	7.1	1.3	8.0
M5 x 16	7.2	C - BSOS M5 x 16	50			
M5 x 18	7.2	C - BSOS M5 x 18	50			
M5 x 20	7.2	C - BSOS M5 x 20	50			

Other Options:
UNF/UNC Thread Sizes, Non-Standard Lengths, Clear-hole (Unthreaded) Type

BLIND CLINCH STANDOFFS, EXTRA-HARD STAINLESS

Thread Size x Overall Length	Hole Size	Part No	Order Multiple	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
EXTRA HARD STAINLESS STEEL						
This type is recommended if installing into stainless material, 88 HRB max hardness						
M3 x 6	4.2	C - BSO4 4.2 M3 x 6	50	4.1		
M3 x 6	5.4	C - BSO4 5.4 M3 x 6	50	5.3		
M3 x 8	4.2	C - BSO4 4.2 M3 x 8	50	4.1		
M3 x 8	5.4	C - BSO4 5.4 M3 x 8	50	5.3		
M3 x 10	4.2	C - BSO4 4.2 M3 x 10	50	4.1		
M3 x 10	5.4	C - BSO4 5.4 M3 x 10	50	5.3	1.0	7.1
M3 x 12	4.2	C - BSO4 4.2 M3 x 12	50	4.1		
M3 x 12	5.4	C - BSO4 5.4 M3 x 12	50	5.3		
M3 x 14	4.2	C - BSO4 4.2 M3 x 14	50	4.1		
M3 x 14	5.4	C - BSO4 5.4 M3 x 14	50	5.3		
M3 x 16	4.2	C - BSO4 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - BSO4 5.4 M3 x 16	50	5.3		
M4 x 8	7.2	C - BSO4 M4 x 8	50			
M4 x 10	7.2	C - BSO4 M4 x 10	50			
M4 x 12	7.2	C - BSO4 M4 x 12	50	7.1	1.3	8.4
M4 x 14	7.2	C - BSO4 M4 x 14	50			
M4 x 16	7.2	C - BSO4 M4 x 16	50			

Other Options:

UNF/UNC Thread Sizes, Non-Standard Lengths

CLINCH PANEL FASTENERS

Thread Size	Part No/ Order Code	Order Multiple	Hole Size in Sheet	Minimum Sheet Thickness	Maximum Screw Protrusion From Body	Overall Height with Screw Tightened	Screw Head Diameter	Min. dist' centre to edge
STAINLESS STEEL								
M3	C - PFC2 M3-40	25	6.75	1.5	6.4*	9.2	7.9	6.40
M4	C - PFC2 M4-50	25	7.95	1.5	7.9*	11.5	9.5	7.90
M5	C - PFC2 M5-50	25	8.75	1.5	7.9*	11.5	10.3	8.65
M6	C - PFC2 M6-60	25	10.5	1.5	9.5*	14.8	11.9	9.65

* Deduct the sheet thickness from this dimension for actual protrusion.

Other Options:

Longer screw sizes with more thread protrusion.

Clinch panel fasteners solve the problems associated with loose screws in removable panels as the screw remains captive in the body of the fastener after removal. There are several different styles available and the most popular are pictured right.

Other Types

THROUGH CLINCH STANDOFFS, STEEL

Through clinch standoffs provide a permanent threaded spacer in thin metal materials. On installation with a press, the thin hexagon head is embedded and locked into the parent material leaving it flush on the reverse side. These parts are available in a wide range of standard lengths; special sizes can be made to order.

Thread Size x Overall Length	Hole Size	Part No	Order Multiple	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
STEEL ZINC PLATED						
M2.5 x 6	4.2	C - SO M2.5 x 6	100	4.1	1.0	6.0
M2.5 x 8	4.2	C - SO M2.5 x 8	100			
M2.5 x 10	4.2	C - SO M2.5 x 10	100			
M3 x 3	4.2	C - SO 4.2 M3 x 3	100	4.1	1.0	6.8
M3 x 3	5.4	C - SO 5.4 M3 x 3	100	5.3		
M3 x 4	4.2	C - SO 4.2 M3 x 4	100	4.1		
M3 x 4	5.4	C - SO 5.4 M3 x 4	100	5.3		
M3 x 5	4.2	C - SO 4.2 M3 x 5	100	4.1		
M3 x 5	5.4	C - SO 5.4 M3 x 5	100	5.3		
M3 x 6	4.2	C - SO 4.2 M3 x 6	100	4.1		
M3 x 6	5.4	C - SO 5.4 M3 x 6	100	5.3		
M3 x 8	4.2	C - SO 4.2 M3 x 8	100	4.1		
M3 x 8	5.4	C - SO 5.4 M3 x 8	100	5.3		
M3 x 10	4.2	C - SO 4.2 M3 x 10	100	4.1		
M3 x 10	5.4	C - SO 5.4 M3 x 10	100	5.3		
M3 x 12	4.2	C - SO 4.2 M3 x 12	100	4.1		
M3 x 12	5.4	C - SO 5.4 M3 x 12	100	5.3		
M3 x 14	4.2	C - SO 4.2 M3 x 14	100	4.1		
M3 x 14	5.4	C - SO 5.4 M3 x 14	100	5.3		
M3 x 16	4.2	C - SO 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - SO 5.4 M3 x 16	50	5.3		
M3 x 18	4.2	C - SO 4.2 M3 x 18	50	4.1		
M3 x 18	5.4	C - SO 5.4 M3 x 18	50	5.3		
M3 x 20	4.2	C - SO 4.2 M3 x 20	50	4.1		
M3 x 20	5.4	C - SO 5.4 M3 x 20	50	5.3		
M4 x 4	7.2	C - SO M4 x 4	100	7.1	1.3	8.0
M4 x 6	7.2	C - SO M4 x 6	100			
M4 x 8	7.2	C - SO M4 x 8	100			
M4 x 10	7.2	C - SO M4 x 10	100			
M4 x 12	7.2	C - SO M4 x 12	100			
M4 x 14	7.2	C - SO M4 x 14	100			
M4 x 16	7.2	C - SO M4 x 16	50			
M4 x 18	7.2	C - SO M4 x 18	50			
M4 x 20	7.2	C - SO M4 x 20	50			
M4 x 22	7.2	C - SO M4 x 22	50			
M4 x 25	7.2	C - SO M4 x 25	50			
M5 x 6	7.2	C - SO M5 x 6	100	7.1	1.3	8.0
M5 x 8	7.2	C - SO M5 x 8	100			
M5 x 10	7.2	C - SO M5 x 10	100			
M5 x 12	7.2	C - SO M5 x 12	100			
M5 x 14	7.2	C - SO M5 x 14	100			
M5 x 16	7.2	C - SO M5 x 16	50			
M5 x 18	7.2	C - SO M5 x 18	50			
M5 x 20	7.2	C - SO M5 x 20	50			

Other Options:
UNF/UNC Thread Sizes
Non-Standard Lengths
Clear-hole (Unthreaded) Type

THROUGH CLINCH STANDOFFS, STAINLESS STEEL

Stainless steel through clinch standoffs are available in two grades, C-SOS type which are the standard type at lower cost suitable for use in material up to HRB 70 hardness. The C-SO4 type is made from a harder 400 series stainless material and is recommended for installation into stainless materials of up to HRB 88 hardness.

Thread Size x Overall Length	Hole Size	Part No	Order Multiple	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
STAINLESS STEEL						
M3 x 4	4.2	C - SOS 4.2 M3 x 4	100	4.1	1.0	6.8
M3 x 4	5.4	C - SOS 5.4 M3 x 4	100	5.3		
M3 x 6	4.2	C - SOS 4.2 M3 x 6	100	4.1		
M3 x 6	5.4	C - SOS 5.4 M3 x 6	100	5.3		
M3 x 8	4.2	C - SOS 4.2 M3 x 8	100	4.1		
M3 x 8	5.4	C - SOS 5.4 M3 x 8	100	5.3		
M3 x 10	4.2	C - SOS 4.2 M3 x 10	100	4.1		
M3 x 10	5.4	C - SOS 5.4 M3 x 10	100	5.3		
M3 x 12	4.2	C - SOS 4.2 M3 x 12	50	4.1		
M3 x 12	5.4	C - SOS 5.4 M3 x 12	50	5.3		
M3 x 14	4.2	C - SOS 4.2 M3 x 14	50	4.1		
M3 x 14	5.4	C - SOS 5.4 M3 x 14	50	5.3		
M3 x 16	4.2	C - SOS 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - SOS 5.4 M3 x 16	50	5.3		
M3 x 18	4.2	C - SOS 4.2 M3 x 18	50	4.1		
M3 x 18	5.4	C - SOS 5.4 M3 x 18	50	5.3		
M4 x 4	7.2	C - SOS M4 x 4	100	7.1	1.3	8.0
M4 x 6	7.2	C - SOS M4 x 6	100			
M4 x 8	7.2	C - SOS M4 x 8	100			
M4 x 10	7.2	C - SOS M4 x 10	100			
M4 x 12	7.2	C - SOS M4 x 12	50			
M4 x 14	7.2	C - SOS M4 x 14	50			
M4 x 16	7.2	C - SOS M4 x 16	50			
M4 x 18	7.2	C - SOS M4 x 18	50			
M4 x 20	7.2	C - SOS M4 x 20	50			
M5 x 4	7.2	C - SOS M5 x 4	100	7.1	1.3	8.0
M5 x 6	7.2	C - SOS M5 x 6	100			
M5 x 8	7.2	C - SOS M5 x 8	100			
M5 x 10	7.2	C - SOS M5 x 10	100			
M5 x 12	7.2	C - SOS M5 x 12	50			
M5 x 14	7.2	C - SOS M5 x 14	50			
M5 x 16	7.2	C - SOS M5 x 16	50			
M5 x 18	7.2	C - SOS M5 x 18	50			
M5 x 20	7.2	C - SOS M5 x 20	50			
EXTRA HARD STAINLESS STEEL						
This t e is recommended if installin into stainless material, 88 HRB max hardness						
M3 x 4	4.2	C - SO4 4.2 M3 x 4	50	4.1	1.0	7.1
M3 x 4	5.4	C - SO4 5.4 M3 x 4	50	5.3		
M3 x 6	4.2	C - SO4 4.2 M3 x 6	50	4.1		
M3 x 6	5.4	C - SO4 5.4 M3 x 6	50	5.3		
M3 x 8	4.2	C - SO4 4.2 M3 x 8	50	4.1		
M3 x 8	5.4	C - SO4 5.4 M3 x 8	50	5.3		
M3 x 10	4.2	C - SO4 4.2 M3 x 10	50	4.1		
M3 x 10	5.4	C - SO4 5.4 M3 x 10	50	5.3		
M3 x 12	4.2	C - SO4 4.2 M3 x 12	50	4.1		
M3 x 12	5.4	C - SO4 5.4 M3 x 12	50	5.3		
M3 x 14	4.2	C - SO4 4.2 M3 x 14	50	4.1		
M3 x 14	5.4	C - SO4 5.4 M3 x 14	50	5.3		
M3 x 16	4.2	C - SO4 4.2 M3 x 16	50	4.1		
M3 x 16	5.4	C - SO4 5.4 M3 x 16	50	5.3		
M4 x 4	7.2	C - SO4 M4 x 4	50	7.1	1.3	8.4
M4 x 6	7.2	C - SO4 M4 x 6	50			
M4 x 8	7.2	C - SO4 M4 x 8	50			
M4 x 10	7.2	C - SO4 M4 x 10	50			
M4 x 12	7.2	C - SO4 M4 x 12	50			
M4 x 14	7.2	C - SO4 M4 x 14	50			
M4 x 16	7.2	C - SO4 M4 x 16	50			

Other Options:
UNF/UNC Thread Sizes, Non-Standard Lengths, Clear-hole (Unthreaded) Type

CLINCH STUDS, STEEL

Clinch studs provide a strong thread in thin metal materials and are available in a large range of sizes. They are flush on the reverse side when installed using a press with a squeezing action.

Thread Size x Overall Length	Part No	Order Multiple
STEEL ZINC PLATED		
M2 x 6	C - FH M2-6	100
M2 x 8	C - FH M2-8	100
M2 x 10	C - FH M2-10	100
M2 x 12	C - FH M2-12	100
M2 x 15	C - FH M2-15	100
M2 x 16	C - FH M2-16	100
M2.5 x 6	C - FH M2.5-6	100
M2.5 x 8	C - FH M2.5-8	100
M2.5 x 10	C - FH M2.5-10	100
M2.5 x 12	C - FH M2.5-12	100
M2.5 x 15	C - FH M2.5-15	100
M2.5 x 18	C - FH M2.5-18	100
M3 x 6	C - FH M3-6	100
M3 x 8	C - FH M3-8	100
M3 x 10	C - FH M3-10	100
M3 x 12	C - FH M3-12	100
M3 x 14	C - FH M3-14	100
M3 x 15	C - FH M3-15	100
M3 x 16	C - FH M3-16	100
M3 x 18	C - FH M3-18	100
M3 x 20	C - FH M3-20	100
M3 x 22	C - FH M3-22	100
M3 x 25	C - FH M3-25	100
M3 x 30	C - FH M3-30	100
M3 x 35	C - FH M3-35	100
M3.5 x 8	C - FH M3.5-8	100
M3.5 x 10	C - FH M3.5-10	100
M3.5 x 12	C - FH M3.5-12	100
M3.5 x 15	C - FH M3.5-15	100
M3.5 x 18	C - FH M3.5-18	100
M4 x 6	C - FH M4-6	100
M4 x 8	C - FH M4-8	100
M4 x 10	C - FH M4-10	100
M4 x 12	C - FH M4-12	100
M4 x 14	C - FH M4-14	100
M4 x 15	C - FH M4-15	100
M4 x 16	C - FH M4-16	100
M4 x 18	C - FH M4-18	100
M4 x 20	C - FH M4-20	100
M4 x 22	C - FH M4-22	100
M4 x 25	C - FH M4-25	100
M4 x 30	C - FH M4-30	100
M4 x 35	C - FH M4-35	100
M4 x 38	C - FH M4-38	100
M4 x 50	C - FH M4-50	100

Thread Size x Overall Length	Part No	Order Multiple
STEEL, ZINC PLATED		
M5 x 8	C - FH M5-8	100
M5 x 10	C - FH M5-10	100
M5 x 12	C - FH M5-12	100
M5 x 14	C - FH M5-14	100
M5 x 15	C - FH M5-15	100
M5 x 16	C - FH M5-16	100
M5 x 18	C - FH M5-18	100
M5 x 20	C - FH M5-20	100
M5 x 22	C - FH M5-22	100
M5 x 25	C - FH M5-25	100
M5 x 30	C - FH M5-30	100
M5 x 35	C - FH M5-35	100
M5 x 38	C - FH M5-38	100
M5 x 40	C - FH M5-40	100
M5 x 50	C - FH M5-50	100
M6 x 8	C - FH M6-8	100
M6 x 10	C - FH M6-10	100
M6 x 12	C - FH M6-12	100
M6 x 14	C - FH M6-14	100
M6 x 15	C - FH M6-15	100
M6 x 16	C - FH M6-16	100
M6 x 18	C - FH M6-18	100
M6 x 20	C - FH M6-20	100
M6 x 22	C - FH M6-22	100
M6 x 25	C - FH M6-25	100
M6 x 30	C - FH M6-30	100
M6 x 35	C - FH M6-35	100
M6 x 38	C - FH M6-38	100
M6 x 40	C - FH M6-40	100
M6 x 50	C - FH M6-50	100
M8 x 12	C - FH M8-12	50
M8 x 14	C - FH M8-14	50
M8 x 15	C - FH M8-15	50
M8 x 16	C - FH M8-16	50
M8 x 18	C - FH M8-18	50
M8 x 20	C - FH M8-20	50
M8 x 25	C - FH M8-25	50
M8 x 30	C - FH M8-30	50
M8 x 35	C - FH M8-35	50
M8 x 38	C - FH M8-38	50
M8 x 40	C - FH M8-40	50
M8 x 45	C - FH M8-45	50
M8 x 50	C - FH M8-50	50
M8 x 60	C - FH M8-60	50

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
M2	2.0	1.0	5.0
M2.5	2.5	1.0	5.4
M3	3.0	1.0	5.6
M3.5	3.5	1.0	6.4
M4	4.0	1.0	7.2
M5	5.0	1.0	7.2
M6	6.0	1.6	7.9
M8	8.0	2.4	9.6

Other Options
UNF/UNC Thread Sizes

CLOSE-TO-EDGE CLINCH STUDS

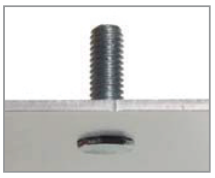
Close-to-edge clinch studs can be installed closer to the edge of the panel than standard clinch studs without causing edge distortion. They require the same hole size as standard clinch studs.

Thread Size x Overall Length	Part No	Order Multiple	Hole Diameter	Minimum Sheet Thickness	Min. dist' centre to edge
STEEL ZINC PLATED					
M2.5 X 6	C - FHL M2.5-6	100	2.5	1.0	2.8
M2.5 X 8	C - FHL M2.5-8	100			
M2.5 X 10	C - FHL M2.5-10	100			
M2.5 X 12	C - FHL M2.5-12	100			
M2.5 X 15	C - FHL M2.5-15	100			
M3 X 6	C - FHL M3-6	100	3.0	1.0	3.3
M3 X 8	C - FHL M3-8	100			
M3 X 10	C - FHL M3-10	100			
M3 X 12	C - FHL M3-12	100			
M3 X 15	C - FHL M3-15	100			
M3 X 18	C - FHL M3-18	100			
M3 X 20	C - FHL M3-20	100			
M4 X 6	C - FHL M4-6	100	4.0	1.0	4.3
M4 X 8	C - FHL M4-8	100			
M4 X 10	C - FHL M4-10	100			
M4 X 12	C - FHL M4-12	100			
M4 X 15	C - FHL M4-15	100			
M4 X 18	C - FHL M4-18	100			
M4 X 20	C - FHL M4-20	100			
M5 X 10	C - FHL M5-10	100	5.0	1.0	5.6
M5 X 12	C - FHL M5-12	100			
M5 X 15	C - FHL M5-15	100			

Other Options: Stainless Steel, UNF/UNC Thread Sizes

HEAVY DUTY CLINCH STUDS

Heavy duty clinch studs have a larger and thicker head which greatly increases the torque-out and pull-out performance. The head remains partly protruding after installation.



Thread Size x Overall Length	Part No	Order Multiple	Hole Diameter	Minimum Sheet Thickness	Head Diameter	Head protrusion when installed	Min. dist' centre to edge
STEEL ZINC PLATED							
M6 X 16	C - HFH M6-16	100	6.0	1.5	9.4	1.3	11.5
M6 X 20	C - HFH M6-20	100					
M8 X 16	C - HFH M8-16	50	8.0	2.0	12.5	1.8	12.7
M8 X 20	C - HFH M8-20	50					
M8 X 25	C - HFH M8-25	50					
M8 X 30	C - HFH M8-30	50					
M8 X 35	C - HFH M8-35	50					
M10 X 15	C - HFH M10-15	50	10.0	2.3	15.7	2.3	13.7
M10 X 20	C - HFH M10-20	50					
M10 X 25	C - HFH M10-25	50					
M10 X 30	C - HFH M10-30	50					
M10 X 35	C - HFH M10-35	50					
M10 X 40	C - HFH M10-40	50					
M10 X 50	C - HFH M10-50	50					

Other Options: Stainless Steel, M5, M6 & UNF/UNC Thread Sizes