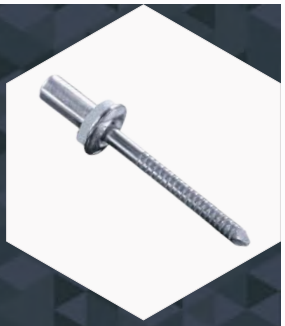
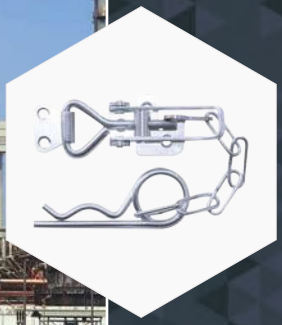
GOEBEL Fasteners Inc.
innovative fastener solutions





FASTENER TECHNOLOGY CATALOG

"Quality The First Time"

WHO WE ARE

GOEBEL FASTENERS INC. is a subsidiary of GOEBEL GmbH, which has been the leading corporation in Europe for specialty fastener technology since 1979.

We founded our U.S. headquarters in 2016, located in Houston, TX with one goal in mind. To provide unparalleled high quality products and first class service to each and every customer. Our products demonstrate innovation that not only exceeds the norm, but enhances quality, reduces maintenance, and increases application efficiency.

INNOVATION AWARDS

2000

Bi-Metal Self-Drilling Screws made of AISI 304 with Steel Drilling Tip

Advantage: The first 3 threads of steel form the thread in the stainless sheet therefore the stainless part of the screw is only in contact with the sheet metal. In addition silver delta seal coating protects the screw against rust.

2008

SUPER Stainless Steel AISI 304 or AISI 316 Self-Tapping Screw

Advantage: Ordinary stainless AISI 304 or AISI 316 is made 3 times harder with a special process. In addition the silver delta seal coating protects the screw against rust. This treatment makes it possible to screw directly into pre-drilled/punched holes in stainless AISI 304 or AISI 316 sheeting. No extra threading is required.

OUR COMMITMENT TO OUR CUSTOMERS

**INDIVIDUALIZED CUSTOMER SERVICE,
PROMPT & PUNCTUAL DELIVERY TIMES
IN ADDITION TO ALL-INCLUSIVE
AFTER-SALES-SERVICE**

**FURTHERMORE WE HAVE ABILITY
TO DEVELOP SPECIAL ORDER PRODUCTS
THROUGH OUR RESEARCH & DEVELOPMENT (R&D)
DEPARTMENT TO EFFECTIVELY MEET YOUR NEEDS**

**ALL GOEBEL PRODUCTS ARE
THOROUGHLY TESTED IN OUR LABORATORY
FACILITIES TO ENSURE THE HIGHEST LEVEL
OF QUALITY CONTROL**

**GOEBEL Fasteners Inc.
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Houston, TX 77040**

**Main: 713-393-7007
sales@goebelfasteners.com**

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GO - 1602 - RATCHET TENSIONER

BLACK EPOXY COATED HANDLES FOR IMPROVED GRIP
INCLUDES CUTTER AND HAMMER
CAN BE USED WITH WIDTHS 3/8“ TO 3/4“
MAX. THICKNESS .03“
(APPROX. 3.3 LBS)

ITEM CODE
22004 00151

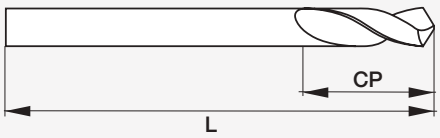
GO - 1603 - PISTOL GRIP TENSIONER

DESIGNED TO BE USEFUL IN TIGHT AREAS WITH MINIMAL ACCESS
ADUSTABLE HANDLE FOR ONE OR TWO HAND TENSIONING/CUTTING
CAN BE USED WITH WIDTHS 3/8“ TO 3/4“
(APPROX. 2.6 LBS)

ITEM CODE
22004 00171

HSS CO. SPOT DRILL BITS

SPECIAL SHORT SPIRAL AND LIP ANGLE TO PREVENT “WALKING“
USED IN STAINLESS STEEL JACKETING

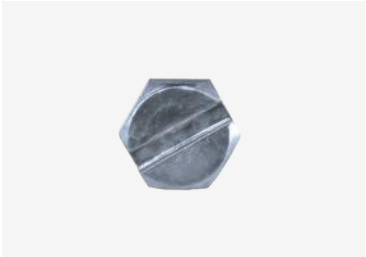


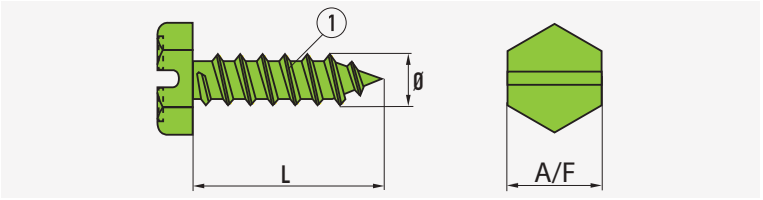
Ø DIAMETER		LENGTH		CHIP FLUTE		PACKING UNIT	ITEM CODE
in	mm	in	mm	in	mm	Box Qty.	
1/8“	3.2	1.575“	40.0	.395“	10.0	10	91032 00000
.130“	3.3	1.575“	40.0	.395“	10.0	10	91033 00000
9/64“	3.5	1.575“	40.0	.395“	10.0	10	91035 00000
.149“	3.8	1.575“	40.0	.395“	10.0	10	91038 00000
5/32“	4.0	1.575“	40.0	.395“	10.0	10	91040 00000
.161“	4.1	1.575“	40.0	.395“	10.0	10	91041 00000
.165“	4.2	1.575“	40.0	.395“	10.0	10	91042 00000
3/16“	4.8	1.575“	40.0	.395“	10.0	10	91048 00000
.193“	4.9	1.575“	40.0	.395“	10.0	10	91049 00000

Subject to modifications

SLOTTED HEX-HEAD SELF-TAPPING SCREW

IMPROVED HEAD DESIGN TO PREVENT STRIPPING
FOR ALUMINIUM METAL JACKETING APPLICATIONS





1. **T304 STAINLESS STEEL**

	DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
		in	mm	in	mm	Box Qty.	
ø #8 4.2 mm A/F = .275" 7.0 mm = AB	Screw S/S (T304) HH #8 x 1/2“	#8 x 1/2“	4.2 x 13.0	.275“	7.0	1000	20301 42130
	Screw S/S (T304) HH #8 x 5/8“	#8 x 5/8“	4.2 x 16.0	.275“	7.0	1000	20301 42160
	Screw S/S (T304) HH #8 x 3/4“	#8 x 3/4“	4.2 x 19.0	.275“	7.0	1000	20301 42190
	Screw S/S (T304) HH #8 x 1“	#8 x 1“	4.2 x 25.0	.275“	7.0	500	20301 42250

(includes 1 nut driver per box)

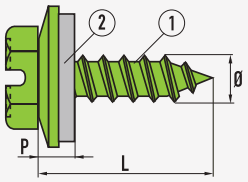
ø #10 4.8 mm A/F = .315" 8.0 mm = AB	Screw S/S (T304) HH #10 x 1/2“	#10 x 1/2“	4.8 x 13.0	.315“	8.0	1000	20301 48130
	Screw S/S (T304) HH #10 x 5/8“	#10 x 5/8“	4.8 x 16.0	.315“	8.0	1000	20301 48160
	Screw S/S (T304) HH #10 x 3/4“	#10 x 3/4“	4.8 x 19.0	.315“	8.0	500	20301 48190
	Screw S/S (T304) HH #10 x 1“	#10 x 1“	4.8 x 25.0	.315“	8.0	500	20301 48250

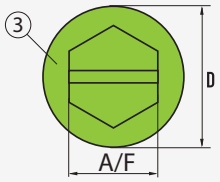
(includes 1 nut driver per box)

Subject to modifications

SLOTTED HEX-HEAD SELF-TAPPING SCREW W/ ASSEMBLED STAINLESS STEEL EPDM WASHER

IMPROVED HEAD DESIGN TO PREVENT STRIPPING
FOR ALUMINIUM METAL JACKETING APPLICATIONS





1. **T304 STAINLESS STEEL**
2. **EPDM**
3. **T304 STAINLESS STEEL**

	DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
		in	mm	in	mm	Box Qty.	
Ø #8 4.2 mm A/F = .275" 7.0 mm P = .120" 3.0 mm D = .470" 12.0 mm = AB	Screw S/S (T304) HH #8 x 1/2" W/Washer (EPDM)	#8 x 1/2"	4.2 x 13.0	.275"	7.0	500	20304 42130
	Screw S/S (T304) HH #8 x 5/8" W/Washer (EPDM)	#8 x 5/8"	4.2 x 16.0	.275"	7.0	500	20304 42160
	Screw S/S (T304) HH #8 x 3/4" W/Washer (EPDM)	#8 x 3/4"	4.2 x 19.0	.275"	7.0	500	20304 42190
	Screw S/S (T304) HH #8 x 1" W/Washer (EPDM)	#8 x 1"	4.2 x 25.0	.275"	7.0	500	20304 42250

(includes 1 nut driver per box)

Ø #10 4.8 mm A/F = .315" 8.0 mm P = .157" 4.0 mm D = .470" 12.0 mm = AB	Screw S/S (T304) HH #10 x 1/2" W/Washer (EPDM)	#10 x 1/2"	4.8 x 13.0	.315"	8.0	500	20304 48130
	Screw S/S (T304) HH #10 x 5/8" W/Washer (EPDM)	#10 x 5/8"	4.8 x 16.0	.315"	8.0	500	20304 48160
	Screw S/S (T304) HH #10 x 3/4" W/Washer (EPDM)	#10 x 3/4"	4.8 x 19.0	.315"	8.0	500	20304 48190
	Screw S/S (T304) HH #10 x 1" W/Washer (EPDM)	#10 x 1"	4.8 x 25.0	.315"	8.0	250	20304 48250

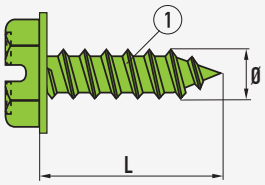
(includes 1 nut driver per box)

Subject to modifications

SLOTTED HEX-WASHER-HEAD SELF-TAPPING SCREW

IMPROVED HEAD DESIGN TO PREVENT STRIPPING
FOR ALUMINIUM METAL JACKETING APPLICATIONS

1. **T304 STAINLESS STEEL**



DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	Box Qty.	
Screws S/S (T304) HWH #8 x 1/2"	#8 x 1/2"	4.2 x 13.0	.275"	7,0	1000	20351 42130

Ø #8 4.2 mm
A/F = .275" 7.0 mm
= AB

(includes 1 nut driver per box)

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
Screws S/S (T304) HWH #10 x 5/8"	#10 x 5/8"	4.8 x 16.0	.315"	8.0	1000	20351 48160

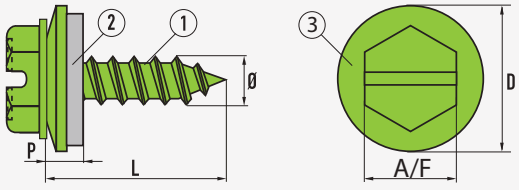
Ø #10 4.8 mm
A/F = .315" 8.0 mm
= AB

(includes 1 nut driver per box)

SLOTTED HEX-WASHER-HEAD SELF-TAPPING SCREW W/ ASSEMBLED STAINLESS STEEL EPDM WASHER

IMPROVED HEAD DESIGN TO PREVENT STRIPPING
FOR ALUMINIUM METAL JACKETING APPLICATIONS

1. **T304 STAINLESS STEEL**
2. **EPDM**
3. **T304 STAINLESS STEEL**



DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	Box Qty.	
Screws S/S (T304) HWH #8 x 1/2" W/Washer (EPDM)	#8 x 1/2"	4.2 x 13.0	.275"	7.0	500	20354 42130

Ø #8 4.2 mm
A/F = .275" 7.0 mm
P = .157" 4.0 mm
D = .470" 12.0 mm
= AB

(includes 1 nut driver per box)

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
Screws S/S (T304) HWH #10 x 5/8" W/Washer (EPDM)	#10 x 5/8"	4.8 x 16.0	.315"	8.0	500	20354 48160

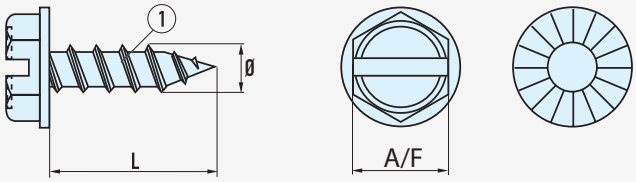
Ø #10 4.8 mm
A/F = .315" 8.0 mm
P = .157" 4.0 mm
= AB

(includes 1 nut driver per box)

Subject to modifications

SLOTTED HEX-WASHER-HEAD SELF-PIERCING SCREW

LOCKING SERRATION UNDER HEAD
FOR STAINLESS STEEL METAL JACKETING

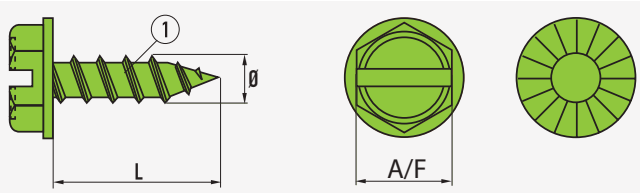


1. T410 STAINLESS STEEL W/ GL COATING

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	inc	mm	in	mm	Box Qty.	
Self-Piercing Screw S/S (T410) HWH #8 x 1/2“	#8 x 1/2“	4.2 x 13.0	1/4“	6.35	1000	50631 42130

(includes 1 nut driver per box)

ø #8 4.2 mm
A/F = 1/4" 6.35 mm
2 x .0315“
2 x 0.8 mm
= TAPITS



1. T304 STAINLESS STEEL

Self-Piercing Screw S/S (T304) HWH #8 x 1/2“	#8 x 1/2“	4.2 x 13.0	.275“	7.0	1000	50301 42130

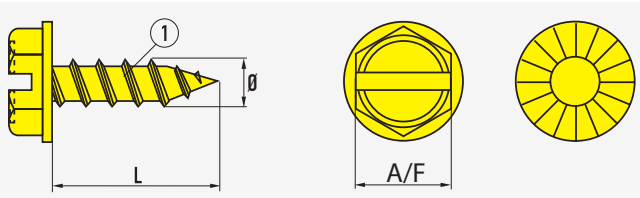
(includes 1 nut driver per box)

ø #8 4.2 mm
A/F = .275“ 7.0 mm
2 x .0315“
2 x 0.8 mm
= TAPITS

Self-Piercing Screw S/S (T304) HWH #10 x 5/8“	#10 x 5/8“	4.8 x 16.0	.315“	8.0	500	50301 48160

(includes 1 nut driver per box)

ø #10 4.8 mm
A/F = .315" 8.0 mm
2 x .0400“
2 x 1.0 mm
= TAPITS



1. STEEL ZINC PLATED

Self-Piercing Screw Steel Zinc Plated HWH #8 x 1/2“	#8 x 1/2"	4.2 x 13.0	1/4“	6.35	1000	50101 42130
Self-Piercing Screw Steel Zinc Plated HWH #8 x 1/2“	#8 x 1/2“	4.2 x 13.0	.275	7.0	1000	50101 42131
Self-Piercing Screw Steel Zinc Plated HWH #8 x 5/8“	#8 x 5/8“	4.2 x 16.0	1/4“	6.35	1000	50101 42160
Self-Piercing Screw Steel Zinc Plated HWH #8 x 3/4“	#8 x 3/4“	4.2 x 19.0	1/4“	6.35	1000	50101 42190

ø #8 4.2 mm
A/F = .275" /1/4" 7.0 / 6.35 mm
2 x .0315“
2 x 0.8 mm
= TAPITS

Self-Piercing Screw Steel Zinc Plated HWH #10 x 5/8“	#10 x 5/8“	4.8 x 16.0	.315“	8.0	500	50101 48160
Self-Piercing Screw Steel Zinc Plated HWH #10 x 3/4“	#10 x 3/4“	4.8 x 19.0	.315“	8.0	500	50101 48190
Self-Piercing Screw Steel Zinc Plated HWH #10 x 1“	#10 x 1“	4.8 x 25.0	.315“	8.0	500	50101 48250

(includes 1 nut driver per box)

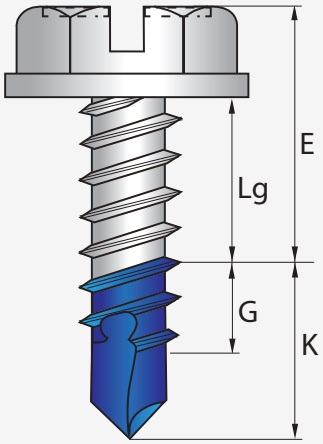
ø #10 4.8 mm
A/F = .315" 8.0 mm
2 x .0400“
2 x 1.0 mm
= TAPITS

Subject to modifications

THE BI-METAL SELF DRILLING SCREW

A DEVELOPMENT BY GOEBEL

THE – AWARD WINNING – SOLUTION
FOR STAINLESS STEEL JACKETING APPLICATIONS



E = T304 Stainless Steel

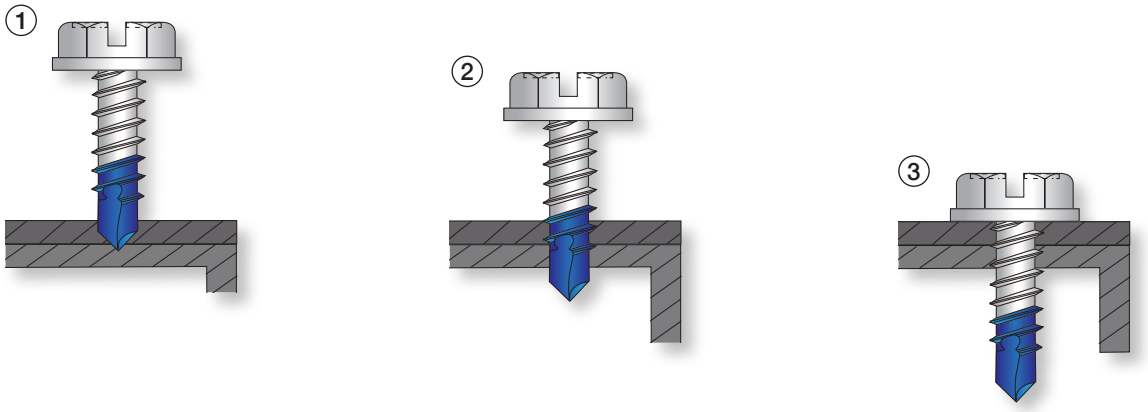
Lg = T304 Stainless Steel Useable Threads

K = Hardened Carbon Steel

G = Hardened Carbon Steel Threads

The hardened drilling point (K) of steel, makes the hole into the stainless steel jacketing. The first three hardened threads (G) of carbon steel cut the thread into the stainless steel jacketing. The bi-metal self-drilling screw must be screwed in until only the threads of the stainless steel region (Lg) are in direct contact with the stainless steel jacketing. In this regard, please note the value (Lg) – useable thread length – specified on the catalog pages.

The bi-metal self drilling screw drills (1), shapes the thread (2) and tightens (3) in a single process.



Please adhere to the optimal rotational speed setting (RPM) on your drilling machine / electric screwdriver.
You will find details in the catalog.

GOEBEL Silver GL Slide Coating

The Goebel Silver GL Slide Coating provides optimum sealing with multifunctional properties, which guarantee excellent corrosion protection and simultaneously reduce the screw-in resistance. It is free from heavy metals that are harmful to health.

It is available in different colors (i.e. silver, black, green and red). Properties: superior adhesive strength, high hardness with good flexibility, high abrasion resistance, good resistance to weathering, (but not chalk resistant), high electrical insulating property (good protection against contact corrosion), superior resistance to chemicals, superior resistance proven in salt spray test, excellent resistance to sulphur dioxide proven in Kesternich test, excellent resistance to mineral oil, fuels, lubricants (i.e. grease, brake fluids, coolants, etc.).

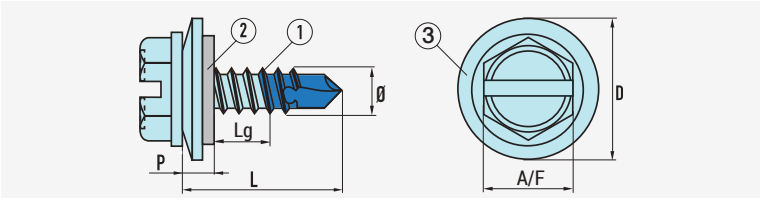
*The GOEBEL-Silver-GL-Slide-Coating has no UV resistance. The GOEBEL-Silver-GL-Slide-Coating has a special resistance to chemicals. For production lines with very corrosive atmospheres (i.e. in vinegar production and/or cleansing material and disinfectant, the application must be clarified before start of construction).

Subject to modifications

SLOTTED HEX-WASHER-HEAD SELF-DRILLING SCREW W/ ASSEMBLED STAINLESS STEEL EPDM WASHER

HARDENED DRILLING POINT (BI-METAL) W/ GL COATING
FOR STAINLESS STEEL METAL JACKETING APPLICATIONS

1. **T304 STAINLESS STEEL**
2. **EPDM**
3. **T304 STAINLESS STEEL**



ø #8 4.2 mm

A/F = .275" 7.0 mm
P = .120" 3.0 mm
D = .470" 12.0 mm
= AB

DESCRIPTION	SIZE		LG		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	in	mm	Box Qty.	
Screw S/S (T304) HWH TEK #8 x 5/8" W/Washer (EPDM)	#8 x 5/8"	4.2 x 16.0	.215"	5.5	.275"	7.0	500	89900 42160
Screw S/S (T304) HWH TEK #8 x 3/4" W/Washer (EPDM)	#8 x 3/4"	4.2 x 19.0	.275"	7.0	.275"	7.0	500	89900 42190

(includes 1 nut driver per box)

STAINLESS STEEL		STEEL	
in	mm	in	mm
max 2 x .0315"	max 2 x 0.8	max .0985"	max 2.5

ø #10 4.8 mm

A/F = .315" 8.0 mm
P = .120" 3.0 mm
D = .470 " 12.0 mm
= AB

Screw S/S (T304) HWH TEK #10 x 5/8" W/Washer (EPDM)	#10 x 5/8"	4.8 x 16.0	.215"	5.5	.315"	8.0	500	89900 48160 [1]
Screw S/S (T304) HWH TEK #10 x 3/4" W/Washer (EPDM)	#10 x 3/4"	4.8 x 19.0	.215"	5.5	.315"	8.0	500	89900 48190 [2]
Screw S/S (T304) HWH TEK #10 x 1" W/Washer (EPDM)	#10 x 1"	4.8 x 25.0	.430"	11.5	.315"	8.0	500	89900 48250 [2]

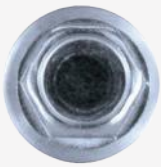
(includes 1 nut driver per box)

STAINLESS STEEL		STEEL	
in	mm	in	mm
[1] max 2 x .0400"	2 x 1.0	max .0985"	max 2.5
[2] max 2 x .0400"	2 x 1.0	max .175"	max 4.5

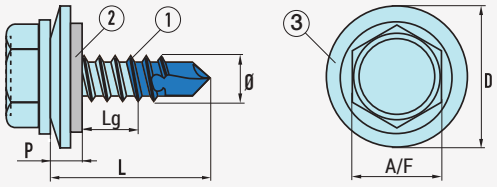
Subject to modifications

HEX-WASHER-HEAD SELF-DRILLING SCREW W/ ASSEMBLED STAINLESS STEEL EPDM WASHER

HARDENED DRILLING POINT (BI-METAL) W/ GL COATING
FOR ALUMINIUM FACADE WITH STEEL BACKING

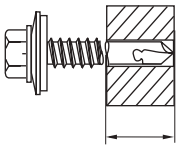


1. **T304 STAINLESS STEEL**
2. **EPDM**
3. **T304 STAINLESS STEEL**



DESCRIPTION	SIZE		LG		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	in	mm	Box Qty.	
ø #12 5.5 mm A/F = .315“ 8.0 mm P = .120“ 3.0 mm D = .630“ 16.0 mm = AB								
Screw S/S (T304) HWH TEK #12 x 1“ W/Washer (EPDM)	#12 x 1“	5.5 x 26.0	.472"	12.0	.315“	8.0	250	88900 55260
Screw S/S (T304) HWH TEK #12 x 1¼“ W/Washer (EPDM)	#12 x 1¼“	5.5 x 32.0	.709"	18.0	.315“	8.0	250	88930 55320
Screw S/S (T304) HWH TEK #12 x 1½“ W/Washer (EPDM)	#12 x 1½"	5.5 x 38.0	.944"	24.0	.315“	8.0	250	88910 55380
Screw S/S (T304) HWH TEK #12 x 2“ W/Washer (EPDM)	#12 x 2“	5.5 x 50.0	1.417"	36.0	.315“	8.0	250	88920 55500
Screw S/S (T304) HWH TEK #12 x 2½" W/Washer (EPDM)	#12 x 2½“	5.5 x 65.0	2.008"	51.0	.315“	8.0	250	88920 55650

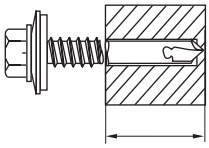
(includes 1 nut driver per box)



max .235“ 6.0 mm

ø #14 6.3 mm A/F = .315“ 8.0 mm P = .120“ 3.0 mm D = .630“ 16.0 mm = AB								
Screw S/S (T304) HWH TEK #14 x 1“ W/Washer (EPDM)	#14 x 1“	6.3 x 25.0	.433"	11.0	.315“	8.0	250	88920 63250

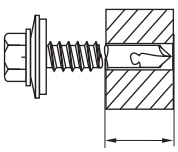
(includes 1 nut driver per box)



max .235“ 6.0 mm

ø #12 5.5 mm A/F = .315“ 8.0 mm P = .120“ 3.0 mm D = .630“ 16.0 mm = AB								
Screw S/S (T304) HWH TEK #12 x 1½“ W/Washer (EPDM)	#12 x 1½“	5.5 x 38.0	.472"	12.0	.315“	8.0	250	88930 55380
Screw S/S (T304) HWH TEK #12 x 2“ W/Washer (EPDM)	#12 x 2“	5.5 x 50.0	.944"	24.0	.315“	8.0	250	88930 55500
Screw S/S (T304) HWH TEK #12 x 2½“ W/Washer (EPDM)	#12 x 2½“	5.5 x 65.0	1.525"	39.0	.315“	8.0	250	88930 55650

(includes 1 nut driver per box)

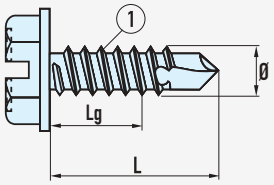


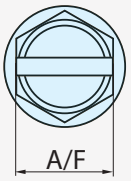
max .490“ 12.5 mm

Subject to modifications

SLOTTED HEX-WASHER-HEAD SELF-DRILLING SCREW

FOR STAINLESS STEEL METAL JACKETING APPLICATIONS





1. **T410 STAINLESS STEEL W/ GL COATING**

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	Box Qty.	
Screw S/S (T410) HWH TEK #8 x 1/2“	#8 x 1/2“	4.2 x 13.0	.275“	7.0	1000	40661 42130

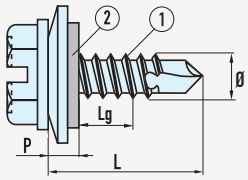
ø #8 4.2 mm
A/F = .275“ 7.0 mm
= AB

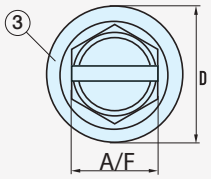
(includes 1 nut driver per box)

STAINLESS STEEL		STEEL	
in	mm	in	mm
max 2 x .0315“	max 2 x 0.8	max .120“	max 3.0

SLOTTED HEX-WASHER-HEAD SELF-DRILLING SCREW W/ ASSEMBLED STAINLESS STEEL EPDM WASHER

FOR STAINLESS STEEL METAL JACKETING APPLICATIONS





1. **T410 STAINLESS STEEL W/ GL COATING**
2. **EPDM**
3. **T410 STAINLESS STEEL W/ GL COATING**

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	Box Qty.	
Screw S/S (T410) HWH TEK #8 x 1/2" W/Washer (EPDM)	#8 x 1/2“	4.2 x 13.0	.275“	7.0	500	40624 42130

ø #8 4.2 mm
A/F = .275“ 7.0 mm
P = .120“ 3.0 mm
D = .470“ 12.0 mm
= AB

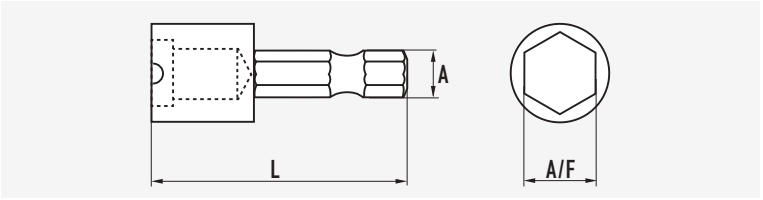
(includes 1 nut driver per box)

STAINLESS STEEL		STEEL	
in	mm	in	mm
max 2 x .0315“	max 2 x 0.8	max .118“	max 3.0

Subject to modifications

MAGNETIC NUT DRIVER

MADE OF STEEL

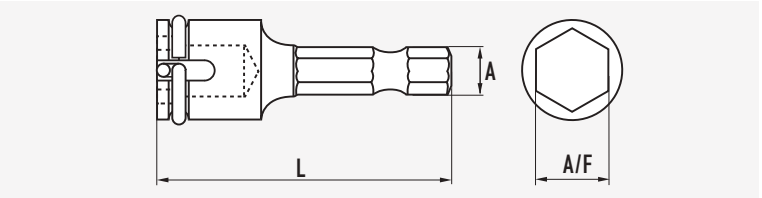


A = 1/4" 6.35 mm

LENGTH		A/F		PACKING UNIT	ITEM CODE
in	mm	in	mm		
1.650“	42.0	.275“	7.0	5	50004 00007
1.650“	42.0	.315“	8.0	5	50004 00008
1.650"	42.0	.395“	10.0	5	50004 00010
1.650“	42.0	1/4“	6.35	5	50004 00014
1.750“	45.0	3/8“	9.50	5	50004 00038

NUT DRIVER WITH GRIP RING

EXCLUSIVE SNAP-RING PROVIDES HOLDING POWER OF STANDARD MAGNETIC NUT DRIVERS
MADE OF STEEL



A = 1/4" 6.35 mm

LENGTH		A/F		PACKING UNIT	ITEM CODE
in	mm	in	mm		
2.165“	50.0	.275“	7.0	5	50004 05507
2.165“	50.0	.315“	8.0	5	50004 05508
2.165“	50.0	.395“	10.0	5	50004 05510
2.165“	50.0	3/8“	9.525	5	50004 05538

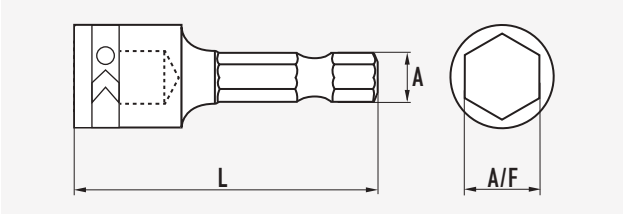
Subject to modifications

NUT SETTER WITH BALL MADE OF STAINLESS STEEL

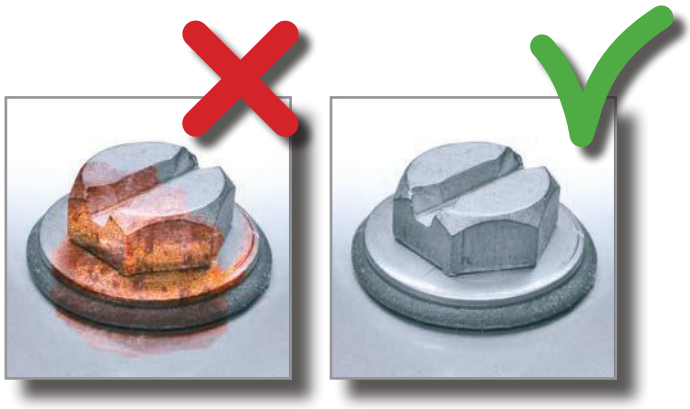
E SHAPE

STAINLESS STEEL

A = 1/4”



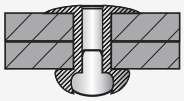
L	A/F	GOEBEL	CODE
1.968	7 mm	5	50006 05507
1.968	8 MM	5	50006 05508

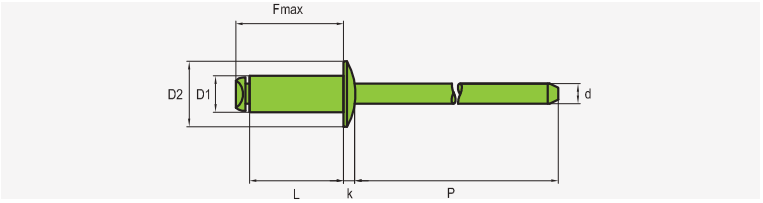


Subject to modifications

BLIND RIVETS - STANDARD
DOME HEAD

IBI-SERIES - OPEN END





Body: **AISI 304 STAINLESS STEEL**
Mandrel: **AISI 304 STAINLESS STEEL**

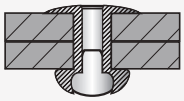
PER IFI-114 GRADE 51

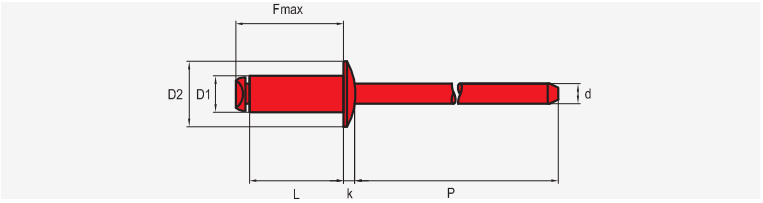
	DESCRIPTION ITEM-CODE	BODY LENGTH ref.		GRIP RANGE				SHEAR		TENSILE	
				in		mm					
		in	mm	min	max	min	max	lbf	kn	lbf	kn
1/8" (3.2 mm) D1 = 1/8" 3.2 mm D2 = .250" 6.35 mm k = .040" 1.0 mm d = .076" 1.9 mm P = ≥ 1.063" 27.0 mm .13" 3.3 mm	IBI-41	.212	5.385	.032	.062	0.813	1.575	420	1.87	530	2.36
	IBI-42	.275	6.985	.063	.125	1.600	3.175				
	IBI-43	.337	8.560	.126	.187	3.200	4.750				
	IBI-44	.400	10.160	.188	.250	4.775	6.350				
	IBI-45	.462	11.735	.251	.312	6.375	7.925				
	IBI-46	.525	13.335	.313	.375	7.950	9.525				
	IBI-48	.650	16.510	.376	.500	9.550	12.700				
5/32" (4.0 mm) D1 = 5/32" 4.0 mm D2 = .315" 8.0 mm k = .050" 1.27 mm d = .095" 2.4 mm P = ≥ 1.063" 27.0 mm .161" 4.1 mm	IBI-52	.300	7.620	.063	.125	1.600	3.175	650	2.89	820	3.65
	IBI-53	.362	9.195	.126	.187	3.200	4.750				
	IBI-54	.425	10.795	.188	.250	4.775	6.350				
	IBI-56	.550	13.970	.251	.375	6.375	9.525				
	IBI-58	.675	17.145	.376	.500	9.550	12.700				
3/16" (4.8 mm) D1= 3/16" 4.8 mm D2 = .375" 9.5 mm k = .060" 1.52 mm d = .114" 2.9 mm P = ≥ 1.063" 27.0 mm .193" 4.9 mm	IBI-62	.325	8.255	.063	.125	1.600	3.175	950	4.23	1200	5.34
	IBI-63	.387	9.830	.126	.187	3.200	4.750				
	IBI-64	.450	11.430	.188	.250	4.775	6.350				
	IBI-66	.575	14.605	.251	.375	6.375	9.525				
	IBI-68	.700	17.780	.376	.500	9.550	12.700				
	IBI-610	.825	20.955	.501	.625	12.725	15.875				
	IBI-612	.950	24.130	.626	.750	15.900	19.050				
	IBI-614	1.075	27.305	.751	.875	19.075	22.225				
	IBI-616	1.200	30.480	.876	1.000	22.250	25.400				
1/4" (6.4 mm) D1 = 1/4" 6.4 mm D2 = .500" 12.7 mm k = .080" 2.0 mm d = .151" 3.84 mm P = ≥ 1.26" 32.0 mm .256" 6.5 mm	IBI-84	.500	12.700	.126	.250	3.200	6.350	1700	7.56	2100	9.34
	IBI-86	.625	15.875	.251	.375	6.375	9.525				
	IBI-88	.750	19.050	.376	.500	9.550	12.700				
	IBI-810	.875	22.225	.501	.625	12.725	15.875				
	IBI-812	1.000	25.400	.626	.750	15.900	19.050				
	IBI-814	1.125	28.575	.751	.875	19.075	22.225				
	IBI-816	1.250	31.750	.876	1.000	22.250	25.400				

Subject to modifications

BLIND RIVETS - STANDARD
DOME HEAD

JBJ-SERIES - OPEN END





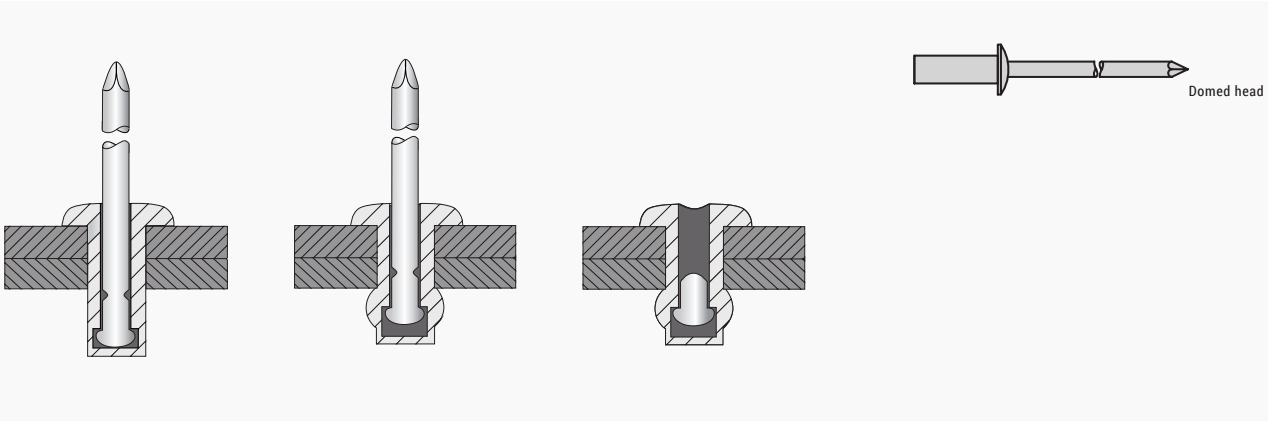
Body: **AISI 316 STAINLESS STEEL**
Mandrel: **AISI 316 STAINLESS STEEL**

PER IFI-114 GRADE 51

	DESCRIPTION ITEM-CODE	BODY LENGTH ref.		GRIP RANGE				SHEAR		TENSILE	
				in		mm					
		in	mm	min	max	min	max	lbf	kn	lbf	kn
1/8" (3.2 mm) D1 = 1/8" 3.2 mm D2 = .250" 6.35 mm k = .040" 1.0 mm d = .076" 1.9 mm P = ≥ 1.063" 27.0 mm .13" 3.3 mm	JBJ-41	.212	5.385	.032	.062	0.813	1.575	420	1.87	530	2.36
	JBJ-42	.275	6.985	.063	.125	1.600	3.175				
	JBJ-43	.337	8.560	.126	.187	3.200	4.750				
	JBJ-44	.400	10.160	.188	.250	4.775	6.350				
	JBJ-45	.462	11.735	.251	.312	6.375	7.925				
	JBJ-46	.525	13.335	.313	.375	7.950	9.525				
	JBJ-48	.650	16.510	.376	.500	9.550	12.700				
5/32" (4.0 mm) D1 = 5/32" 4.0 mm D2 = .315" 8.0 mm k = .050" 1.27 mm d = .095" 2.4 mm P = ≥ 1.063" 27.0 mm .161" 4.1 mm	JBJ-52	.300	7.620	.063	.125	1.600	3.175	650	2.89	820	365
	JBJ-53	.362	9.195	.126	.187	3.200	4.750				
	JBJ-54	.425	10.795	.188	.250	4.775	6.350				
	JBJ-56	.550	13.970	.251	.375	6.375	9.525				
	JBJ-58	.675	17.145	.376	.500	9.550	12.700				
3/16" (4.8 mm) D1= 3/16" 4.8 mm D2 = .375" 9.5 mm k = .060" 1.52 mm d = .114" 2.9 mm P = ≥ 1.063" 27.0 mm .193" 4.9 mm	JBJ-62	.325	8.255	.063	.125	1.600	3.175	950	4.23	1200	5.34
	JBJ-63	.387	9.830	.126	.187	3.200	4.750				
	JBJ-64	.450	11.430	.188	.250	4.775	6.350				
	JBJ-66	.575	14.605	.251	.375	6.375	9.525				
	JBJ-68	.700	17.780	.376	.500	9.550	12.700				
	JBJ-610	.825	20.955	.501	.625	12.725	15.875				
	JBJ-612	.950	24.130	.626	.750	15.900	19.050				
	JBJ-614	1.075	27.305	.751	.875	19.075	22.225				
	JBJ-616	1.200	30.480	.876	1.000	22.250	25.400				
1/4" (6.4 mm) D1 = 1/4" 6.4 mm D2 = .500" 12.7 mm k = .080" 2.0 mm d = .151" 3.84 mm P = ≥ 1.26" 32.0 mm .256" 6.5 mm	JBJ-84	.500	12.700	.126	.250	3.200	6.350	1700	7.56	2100	9.34
	JBJ-86	.625	15.875	.251	.375	6.375	9.525				
	JBJ-88	.750	19.050	.376	.500	9.550	12.700				
	JBJ-810	.875	22.225	.501	.625	12.725	15.875				
	JBJ-812	1.000	25.400	.626	.750	15.900	19.050				
	JBJ-814	1.125	28.575	.751	.875	19.075	22.225				
	JBJ-816	1.250	31.750	.876	1.000	22.250	25.400				

Subject to modifications

CLOSED END SEALED BLIND RIVETS



Characteristics

• 100% waterproof compared to standard open type rivets which are not waterproof)

• easy to install with a variety of rivet tools

• increased corrosion protection with high grade stainless steel

• alloyed stainless steel with a value beyond PREN 33 is considered to be seawater resistant

• HNBR (grey) washer:
- oil resistant
- ozone resistant
- temperature -30°C till +150°C (-22°F till +302°F)
- seawater resistant
- age and weather resistant

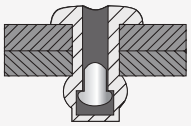
HNBR (grey)

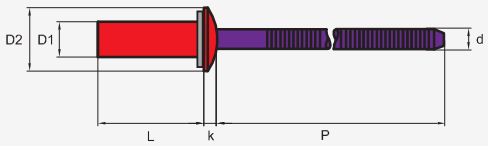
HNBR has been developed recently to meet higher temperatures than standard NBR while retaining resistance to petroleum based oils. Obtained by hydrogenating the nitrile copolymer. HNBR fills the gap left between NBR, EPDM and FKM elastomers where high temperature conditions require high tensile strength while maintaining excellent resistance to motor oils, sour gas, amine/oil mixtures, oxidized fuels and lubricating oils. HNBR is resistant to mineral oil-based hydraulic fluids, animal and vegetable fats, diesel fuel, ozone, sour gas, dilute acids and bases. HNBR also resists new bio-oils (biological oils). HNBR is suitable for high dynamic loads and has a good abrasion resistance. HNBR is suitable for temperatures from -30°C to +150°C (-22°F to +302°F).The carboxyl group is added to significantly improve the abrasion resistance of NBR while retaining excellent oil and solvent resistance. HNBR compounds provide high tensile strength and good physical properties at high temperatures.

Subject to modifications

SEALED BLIND RIVETS - CUP
DOME HEAD

JBD-CE-SERIES - CLOSED END





Body: **AISI 316 STAINLESS STEEL**
Mandrel: **AISI 318 LN STAINLESS STEEL**
Washer: **HNBR**

PER IFI-126 GRADE 51

DESCRIPTION ITEM-CODE	BODY LENGTH ref.		GRIP RANGE				SHEAR		TENSILE	
			in		mm					
	in	mm	min	max	min	max	lbf	kn	lbf	kn
1/8" (3.2 mm) D1 = 1/8" 3.2 mm D2 = .240" 6.01 mm k = .050" 1.27 mm d = .074" 1.88 mm P = ≥ 1.063" 27.0 mm .13" 3.3 mm										
JBD-41-CE	.297	7.544	.020	.062	0.508	1.575	525	2.34	635	2.82
JBD-42-CE	.360	9.144	.063	.125	1.600	3.175				
JBD-43-CE	.422	10.719	.126	.187	3.200	4.750				
JBD-44-CE	.485	12.319	.188	.250	4.775	6.350				
JBD-45-CE	.547	13.894	.251	.312	6.375	7.925				
JBD-46-CE	.610	15.494	.313	.375	7.950	9.525				
JBD-48-CE	.735	18.669	.376	.500	9.550	12.700				
5/32" (4.0 mm) D1 = 5/32" 4.0 mm D2 = .315" 8.0 mm k = .065" 1.65 mm d = .092" 2.34 mm P = ≥ 1.063" 27.0 mm .161" 4.1 mm										
JBD-52-CE	.375	9.525	.020	.125	0.508	3.175	790	3.51	1230	5.47
JBD-53-CE	.437	11.100	.126	.187	3.200	4.750				
JBD-54-CE	.500	12.700	.188	.250	4.775	6.350				
JBD-55-CE	.562	14.275	.251	.312	6.375	7.925				
JBD-56-CE	.625	15.875	.313	.375	7.950	9.525				
JBD-58-CE	.750	19.050	.376	.500	9.550	12.700				
3/16" (4.8 mm) D1= 3/16" 4.8 mm D2 = .375" 9.53 mm k = .080" 2.03 mm d = .110" 2.8 mm P = ≥ 1.063" 27.0 mm .193" 4.9 mm										
JBD-62-CE	.406	10.312	.020	.125	0.508	3.175	1220	5.43	1540	6.85
JBD-63-CE	.468	11.887	.126	.187	3.200	4.750				
JBD-64-CE	.531	13.487	.188	.250	4.775	6.350				
JBD-66-CE	.656	16.662	.251	.375	6.375	9.525				
JBD-68-CE	.781	19.837	.376	.500	9.550	12.700				
JBD-610-CE	.906	23.012	.501	.625	12.725	15.875				

Subject to modifications

GO-2 - HAND RIVET TOOL

AUTOMATIC EJECTION OF RETAINED MANDREL AFTER SETTING BLIND RIVET

RIVETING CAPACITY FOR BLIND RIVETS

ø 3/32" up to 3/16"
ø 2.4 up to 4.8 mm

All Materials

GO-40 - HEAVY DUTY LEVER TYPE HAND RIVET TOOL

HIGH LEVERAGE DESIGN TO REDUCE GRIP FORCE PRESSURE - INCLUDES SPENT MANDREL CONTAINER

RIVETING CAPACITY FOR BLIND RIVETS

ø 1/8" up to 1/4"
ø 3.2 up to 6.4 mm

All Materials

FOR STRUCTURAL BLIND RIVETS

ø 3/16"
ø 4.8 mm

All Materials

ø .236", 1/4"
ø 6.0, 6.4 mm

Aluminum / Steel

GO-100 - LITHIUM-ION CORDLESS RIVET TOOL

RIVETING CAPACITY FOR BLIND RIVETS

ø 3/32" up to 3/16"
ø 2.4 up to 4.8 mm

All Materials

AIRPOWER 1 - PNEUMATIC/HYDRAULIC BLIND RIVET SETTING TOOL

RIVETING CAPACITY FOR BLIND RIVETS

ø 3/32" up to 3/16"
ø 2.4 up to 4.8 mm

All Materials

RIVET TOOLS FROM GOEBEL FASTENERS

See The Full Tools-Video on Our Website: goebelfasteners.com/media-library

Subject to modifications

LITHIUM-ION CORDLESS RIVET TOOL

GO-100 NEW AND IMPROVED

INCLUDING 1 RECHARGEABLE BATTERY WITH CHARGER IN CASE

NOW AVAILABLE WITH:

COLORED NOSE PIECES

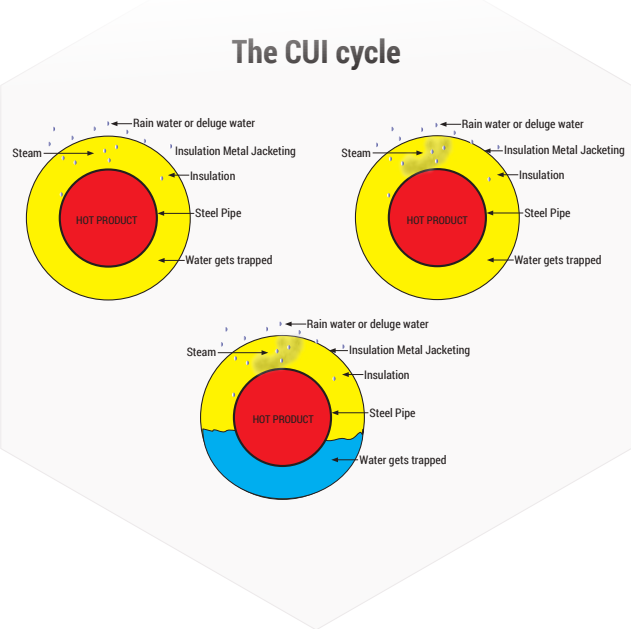
Nose piece		Nom. inch	Nom. mm	Item Code
A		3/32“	2.4	22660 00332
B		1/8“	3.2	22660 00180
C		5/32“	4.0	22660 00532
D		3/16“	4.8	22660 00316

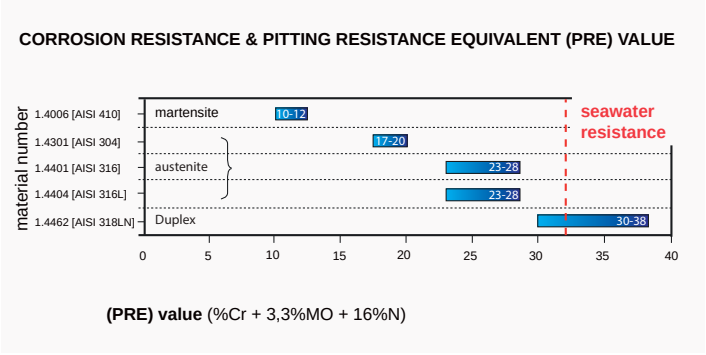
LENGTH x HEIGHT		WEIGHT		RIVET DIA.		STROKE		PULLING FORCE		ITEM CODE
in	mm	lb	kg	in	mm	in	mm	lbs	kn	
10.75“ x 11.20“	273 x 285	3.75	1.70	3/32“ - 3/16“	2.4 - 4.8	0.80“	20	2.70	12.0	22660 10101

Subject to modifications

CUI

CORROSION UNDER INSULATION





Corrosion Under Insulation (CUI) is one of the industry's biggest problems along with the immense costs that are associated with it each year. If everything is perfect a properly installed and sealed metal jacketing is the primary first line of defense to prevent moisture ingress.

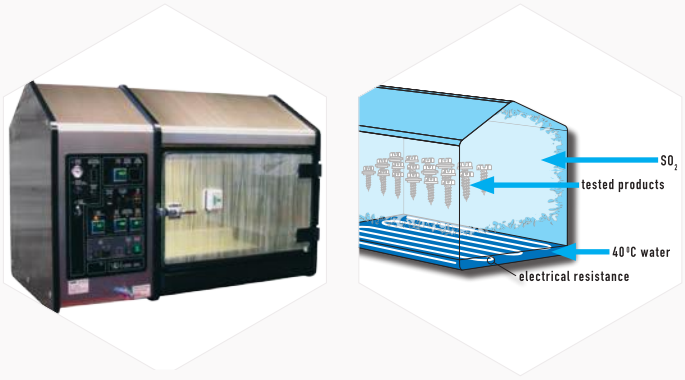
The quality requirements on the materials increase constantly, e.g. in the off-shore sector or in industrial applications fasteners are exposed daily to aggressive media as saline humid atmosphere, seawater, sulphur, acid, salt, leaching etc.

The fasteners (strapping, toggles, screws and rivets) ensure that the metal jacketing is secured.

The above chart shows various stainless steel qualities with their corrosion resistance and pitting resistance equivalent (PRE) value. The often used AISI 410 or 420 stainless steel has the beneficial characteristic that the screw composition is very hard yet still easy to work with and install into stainless steel sheeting. The critical point is that the quality of AISI 410 / 420 which is very weak against corrosion and the martensite stainless has only 12 % chrome, while all other important ingredients are missing, such as nickel, high percentage of chrome, molybdenum, nitrogen.

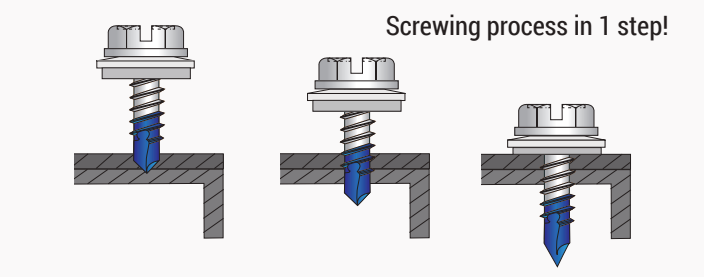
Scan this code to see our informational video now on YouTube

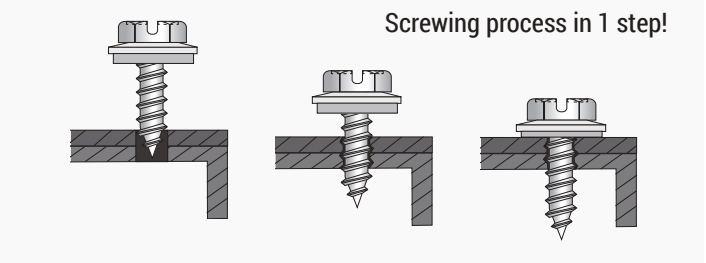
Tests with our sulphur test (SO2) machine has shown that after 2 days the AISI 410 / 420 screws start to show signs of corrosion. The sulphur (SO2) test simulates an industrial environment.



GOEBEL has developed screws made of stainless steel AISI GOEBEL has developed screws made of stainless steel AISI 304 and AISI 316 L as well as screws made of AISI 318 LN which are 3 times harder (HV 1.200) as ordinary stainless steel with HV 400. We offer screw types such as self-tapping screws where you need a pre-drilled or punched hole, as well as self-drilling screws to save time and money. All the above mentioned special screw fasteners are available with an additional silver slide coating that is ensured safe for the screwing process. We recommend to use screws with assembled sealant washers.

AISI 318LN screws ensure additional durability without corrosion for usage in harsh environments such as offshore applications.





CORROSION SOLUTIONS

DUPLEX 318LN material is categorized by its excellent strength, ductility and fatigue resilience in combination with respectable overall, pitting, crevice and stress corrosion properties

Low quality fasteners can increase the chance of corrosion. Due to the physical geometry of the fasteners used and other rough surfaces, aggressive compounds such as chlorides (salts), acids (sulfuric acid) and alkaline solutions (cleaning lye) adhere better. The interaction of the compounds with the UV radiation drastically accelerates the process of pitting and crevice corrosion at these sites.

DUPLEX 318LN & 316L Fasteners

GOEBEL Groups newly developed screws are made from DUPLEX AISI 318LN (1.4462) with a characteristic PRE 36 value; in addition our sealing CUP blind rivets are made of AISI 316L (1.4404) with a representative PRE 23-28 value. Both material qualities are solutions to minimize corrosion and decrease the chances of CUI as a result of the fastener application.

PRE = 1 x %Cr + 3,3 x %Mo + 16 x %N

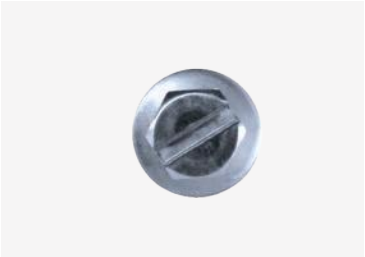
“QUALITY THE FIRST TIME“

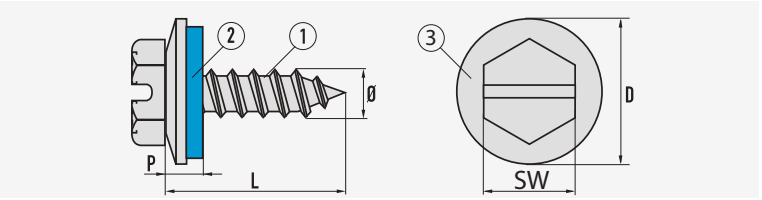
See The Full Video on Our Website: goebelfasteners.com

Subject to modifications

SLOTTED HEX-HEAD SELF-TAPPING SCREW W/ ASSEMBLED DUPLEX HNBR WASHERS W/ DELTA SEAL COATING SILVER

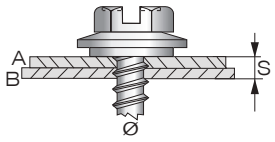
IMPROVED HEAD DESIGN TO PREVENT STRIPPING





1. **DUPLEX AISI 318LN (1.4462)**
2. **HNBR SEALING WASHER (BLUE)**
3. **DUPLEX AISI 318LN (1.4462)**

	DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
		in	mm	in	mm	Box Qty.	
Ø #8 4.2 mm A/F = .275" 7.0 mm P = .120" 3.0 mm D = .470" 12.0 mm = AB	Screw S/S (318LN) HH #8 x 3/8" W/Washer (HNBR)	#8 x 3/8"	4.2 x 9.5	.275"	7.0	500	28220 42950
	Screw S/S (318LN) HH #8 x 1/2" W/Washer (HNBR)	#8 x 1/2"	4.2 x 13.0	.275"	7.0	500	28220 42130
	Screw S/S (318LN) HH #8 x 5/8" W/Washer (HNBR)	#8 x 5/8"	4.2 x 16.0	.275"	7.0	500	28220 42160
	Screw S/S (T318LN) HH #8 x 3/4" W/Washer (HNBR)	#8 x 3/4"	4.2 x 19.0	.275"	7.0	500	28220 42190
	Screw S/S (T318LN) HH #8 x 1" W/Washer (HNBR)	#8 x 1"	4.2 x 25.0	.275"	7.0	500	28220 42250
Ø #10 4.8 mm A/F = .315" 8.0 mm P = .157" 4.0 mm D = .470" 12.0 mm = AB	Screw S/S (318LN) HH #10 x 3/8" W/Washer (HNBR)	#10 x 3/8"	4.8 x 9.5	.315"	8.0	500	28220 48950
	Screw S/S (318LN) HH #10 x 1/2" W/Washer (HNBR)	#10 x 1/2"	4.8 x 13.0	.315"	8.0	500	28220 48130
	Screw S/S (318LN) HH #10 x 5/8" W/Washer (HNBR)	#10 x 5/8"	4.8 x 16.0	.315"	8.0	500	28220 48160
	Screw S/S (318LN) HH #10 x 3/4" W/Washer (HNBR)	#10 x 3/4"	4.8 x 19.0	.315"	8.0	500	28220 48190
	Screw S/S (318LN) HH #10 x 1" W/Washer (HNBR)	#10 x 1"	4.8 x 25.0	.315"	8.0	250	28220 48250



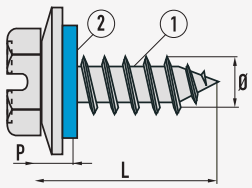
S = A + B	SCREW DIA. Ø	DRILL Ø
S ≤ 0.062" (1.6 mm)	= #8 (4.2 mm)	.13" (3.3 mm)
S ≥ 0.062" (1.6 mm)	= #10 (4.8 mm)	.157" (4.0 mm)

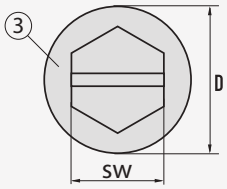
Self-Tapping Screws are also available with or without washers.
Options include white Polyamide (6.6) or AISI 316/EPDM Washer.

Subject to modifications

SLOTTED HEX-HEAD SELF-TAPPING SCREW W/ ASSEMBLED DUPLEX HNBR WASHERS W/ DELTA SEAL COATING SILVER

IMPROVED HEAD DESIGN TO PREVENT STRIPPING





Type A Threads Increase Cost & Time Efficiency by 50%

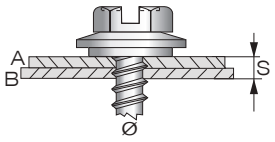
1. **DUPLEX AISI 318LN (1.4462)**
2. **HNBR SEALING WASHER (BLUE)**
3. **DUPLEX AISI 318LN (1.4462)**

Ø #8 4.3 mm
A/F = .275" 7.0 mm
P = .120" 3.0 mm
D = .470" 12.0 mm
= A

DESCRIPTION	SIZE		A/F		PACKING UNIT	ITEM CODE
	in	mm	in	mm	Box Qty.	
Screw S/S (318LN) HH #8 x 3/8" W/Washer (HNBR)	#8 x 3/8"	4.3 x 9.5	.275"	7.0	500	29220 43950
Screw S/S (318LN) HH #8 x 1/2" W/Washer (HNBR)	#8 x 1/2"	4.3 x 13.0	.275"	7.0	500	29220 43130
Screw S/S (318LN) HH #8 x 5/8" W/Washer (HNBR)	#8 x 5/8"	4.3 x 16.0	.275"	7.0	500	29220 43160
Screw S/S (318LN) HH #8 x 3/4" W/Washer (HNBR)	#8 x 3/4"	4.3 x 19.0	.275"	7.0	500	29220 43190
Screw S/S (318LN) HH #8 x 1" W/Washer (HNBR)	#8 x 1"	4.3 x 25.0	.275"	7.0	500	29220 43250

Ø #10 4.9 mm
A/F = .315" 8.0 mm
P = .157" 4.0 mm
D = .470" 12.0 mm
==

Screw S/S (318LN) HH #10 x 3/8" W/Washer (HNBR)	#10 x 3/8"	4.9 x 9.5	.315"	8.0	500	29220 49950
Screw S/S (318LN) HH #10 x 1/2" W/Washer (HNBR)	#10 x 1/2"	4.9 x 13.0	.315"	8.0	500	29220 49130
Screw S/S (318LN) HH #10 x 5/8" W/Washer (HNBR)	#10 x 5/8"	4.9 x 16.0	.315"	8.0	500	29220 49160
Screw S/S (318LN) HH #10 x 3/4" W/Washer (HNBR)	#10 x 3/4"	4.9 x 19.0	.315"	8.0	500	29220 49190
Screw S/S (318LN) HH #10 x 1" W/Washer (HNBR)	#10 x 1"	4.9 x 25.0	.315"	8.0	250	29220 49250



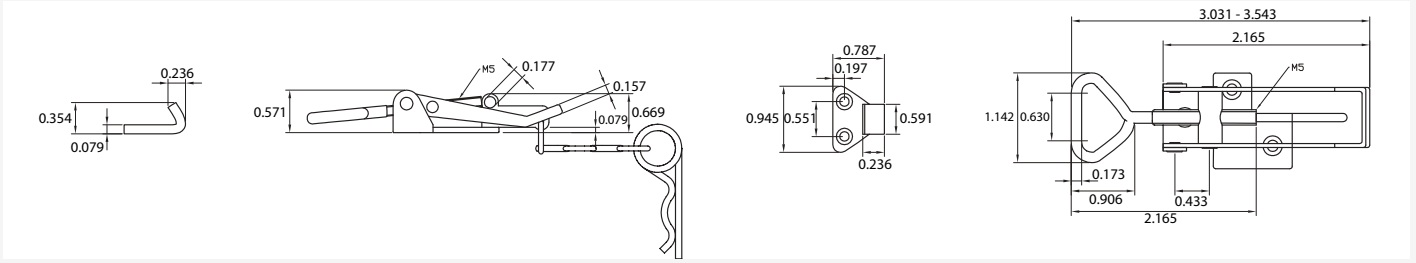
S = A + B	SCREW DIA. Ø	DRILL Ø
S ≤ 0.062" (1.6 mm)	= #8 (4.2 mm)	.13" (3.3 mm)
S ≥ 0.062" (1.6 mm)	= #10 (4.8 mm)	.157" (4.0 mm)

Self-Tapping Screws are also available with or without washers.
Options include white Polyamide (6.6) or AISI 316/EPDM Washer.

Subject to modifications

NARROW EXCENTRIC TOGGLE 701 L - NORSOK 1

WITH UNIVERSAL LINK BAIL. COTTER PIN, CHAIN AND HOOK



Rivet hole Ø 0.169

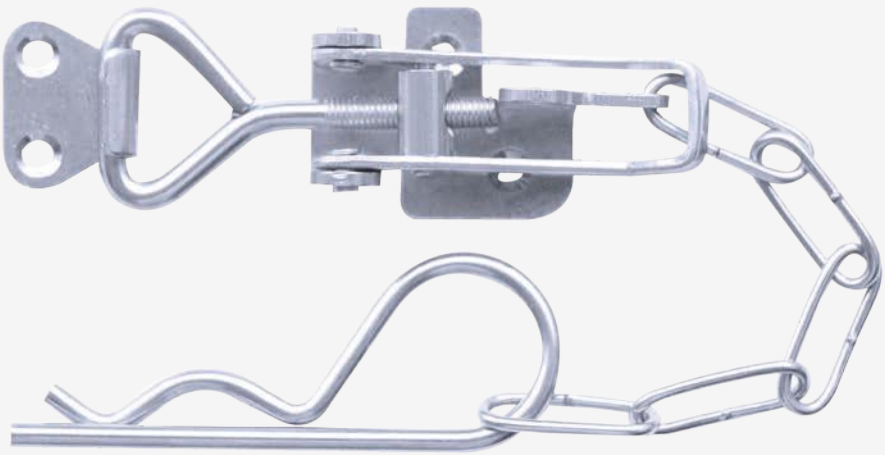
STAINLESS STEEL A4 AISI 316
WITH SINGLE EYE COTTER PIN

RIVET HOLE Ø		PACKING UNIT	ITEM CODE
in	mm		
0.169	4.3	10	55445 16701

STAINLESS STEEL A4 AISI 316
WITH DOUBLE EYE COTTER PIN

RIVET HOLE Ø		PACKING UNIT	ITEM CODE
in	mm		
0.169	4.3	10	55445 15701

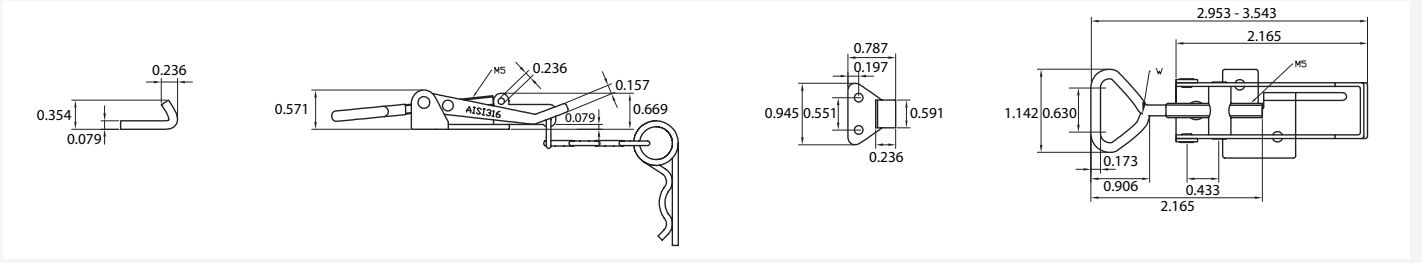
WITH SINGLE EYE COTTER PIN



Subject to modifications

NARROW EXCENTRIC TOGGLE 701 L - NORSOK 2

WITH UNIVERSAL LINK BAIL. COTTER PIN, CHAIN AND HOOK
„MORE WORKING SPACE“



Rivet hole Ø 0.169

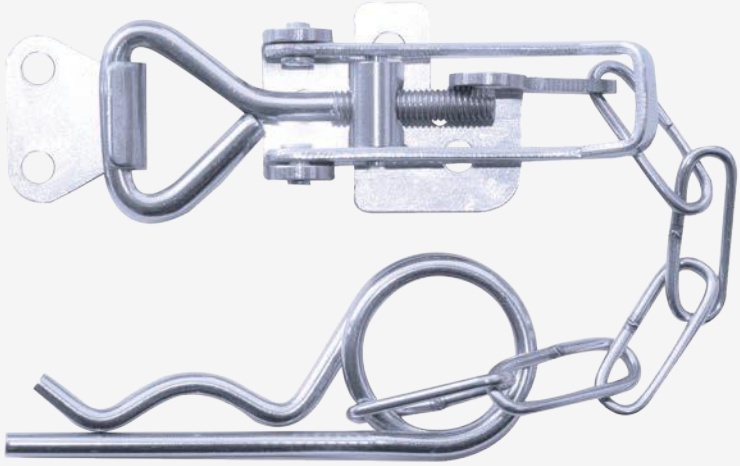
STAINLESS STEEL A4 AISI 316
WITH SINGLE EYE COTTER PIN

RIVET HOLE Ø		PACKING UNIT	ITEM CODE
in	mm		
0.169	4.3	10	55445 26701

STAINLESS STEEL A4 AISI 316
WITH DOUBLE EYE COTTER PIN

RIVET HOLE Ø		PACKING UNIT	ITEM CODE
in	mm		
0.169	4.3	10	55445 25701

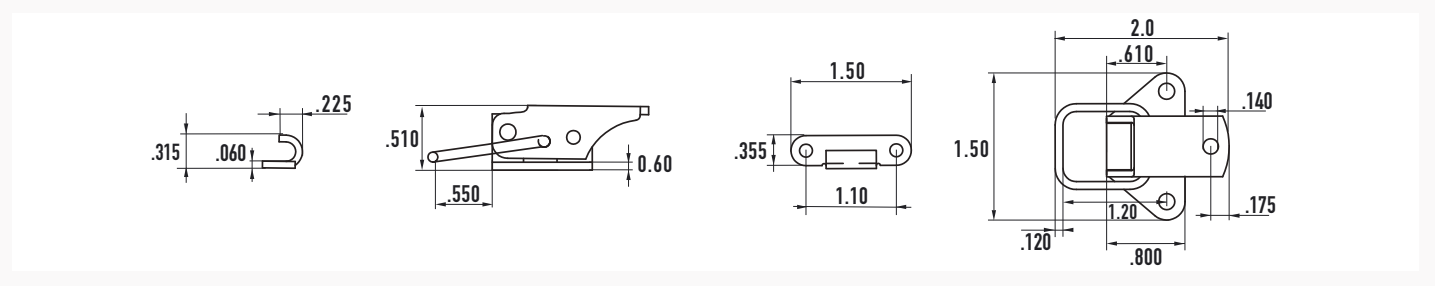
WITH DOUBLE EYE COTTER PIN



Subject to modifications

SMALL TOGGLE 30

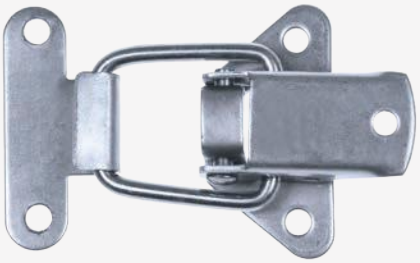
WITH FLAT BASE PLATE AND HOOK



Rivet hole Ø 0.169

T304 STAINLESS STEEL

RIVET HOLE Ø		PACKING UNIT	ITEM CODE
in	mm		
.178“	4.5	100	55445 00130



INSULATION CLAMP DS3

INSTALLATION AID FOR METAL JACKETING

FOR HOLES		PACKING UNIT	ITEM CODE
in	mm		
1/8“	3.2	1	22113 00130
9/64“	3.5	1	22113 00131

Subject to modifications

GOEBEL Fasteners Inc.
innovative fastener solutions

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