



EAST LINE

BY ORNIT

Company Overview

Ornit has specialized in providing fastening solutions since 1975.

Our company manufactures quality blind rivets at its state-of-the-art facility located in Kibbutz Or Haner, Israel.

Ornit's products have global recognition within leading industries like Heavy Vehicles, Automotive, Renewable Energy, Trains, Construction and other industry segments.

With 40 years of experience Ornit's most striking advantage is our capability to design tailor-made solutions for our customers.

Our company is dedicated to promoting innovation by two means; by working closely with our customers to create unique solutions or designing solutions by pure innovation.

Our engineering expertise together with our manufacturing capabilities positions Ornit among the leaders in the fastening industry.



Quality is the most crucial aspect for Ornit. Our company holds the highest international standards; ISO9001, IATF 16949:2016 and AS9100D. The challenges we have overcome over the years have taught us not to compromise on quality and today quality is part of our company's DNA.

Ornit delivers products to over 34 countries around the world. Our products are available at our valued business partners, local distributors and online. Look for Ornit's brand for your next challenge.

Cutting Edge R&D

Innovation has made Ornit the well-known fastener-solution provider that it is today.

At Ornit, creativity is a way of life. In addition to R&D, innovations come from personnel throughout the company. Starting from personnel at our production lines who strive to improve productivity, via engineering and quality control who assure top quality products, to our application specialists who work closely with our customers to deliver Ornit's unique designs.

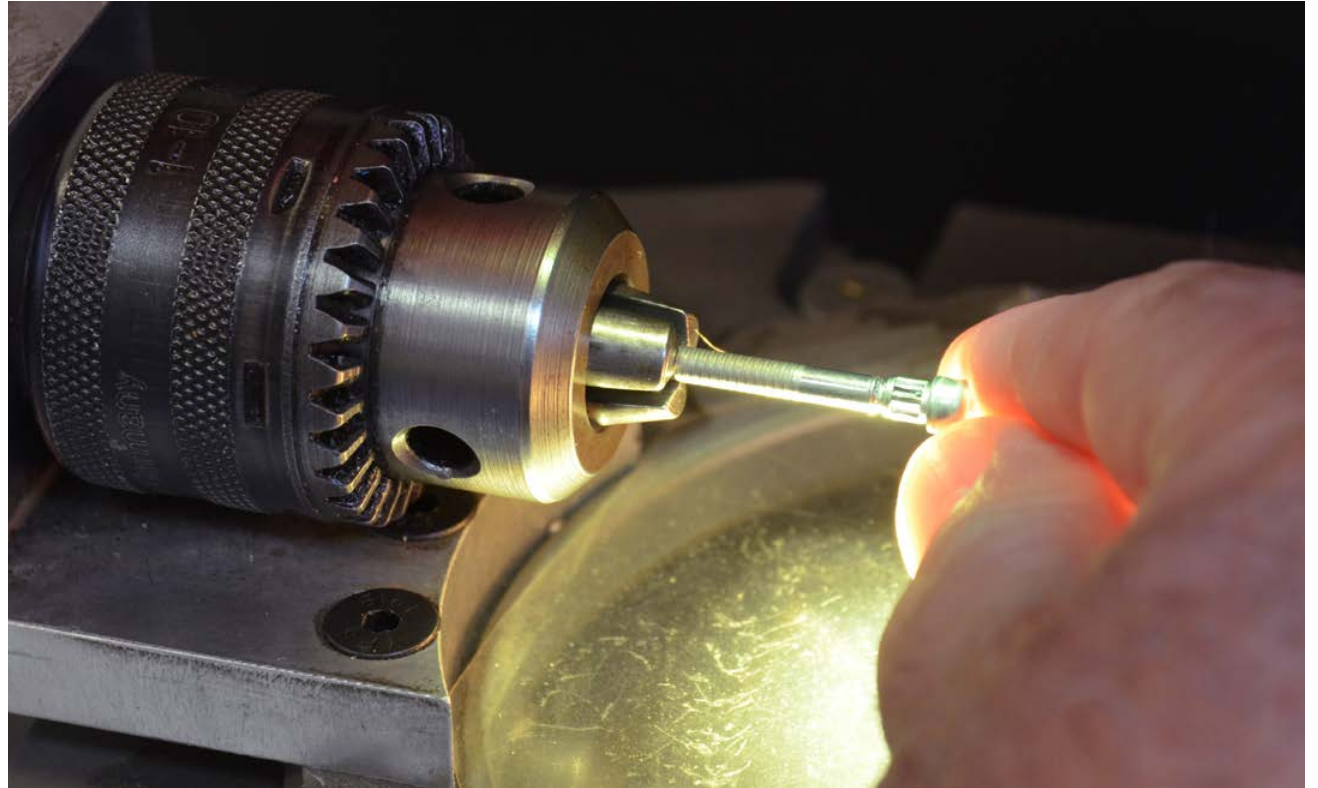


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Blind Rivets | Dome

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural
Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



Art no	Dimensions - Nominal						Forces - Nominal						Box	
							MIN		MAX					
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.	kgf/Lbf.	
A29045D	2.9	3.1/.122	0.9/0.35	6.3/.248	1.81/.71	4.5	.177	0.3	.012	1.5	.059	70/154	85/187	10,000
A29060D						6.0	.236	0.5	.020	3.0	.118			10,000
A29080D						8.0	.315	3.0	.118	5.0	.197			10,000
A29100D						10.0	.394	5.0	.197	7.0	.276			10,000
A29120D						12.0	.472	7.0	.276	9.0	.354			10,000
A29140D						14.0	.551	9.0	.354	11.0	.433			9,000
A29160D						16.0	.630	11.0	.433	13.0	.512			9,000

Blind Rivets | Dome

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



Art no	Dimensions - Nominal										Forces - Nominal			
											kgf/Lbf.	kgf/Lbf.		
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	MIN	MAX	mm				inch
A32060D	3.2	3.3/.130	0.9/0.35	6.3/.248	1.81/.71	6.0	.236	0.5	.020	2.5	.098	75/165	100/220	10,000
A32080D						8.0	.315	2.5	.098	4.5	.177			10,000
A32100D						10.0	.394	4.5	.177	6.5	.256			10,000
A32120D						12.0	.472	6.5	.256	8.5	.335			10,000
A32140D						14.0	.551	8.5	.335	10.5	.413			8,000
A32160D						16.0	.630	10.5	.413	12.5	.492			7,000
A32180D						18.0	.709	12.5	.492	14.5	.571			6,000
A32200D						20.0	.787	14.5	.571	16.5	.650			6,000

OPEN END

Blind Rivets | Dome

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



Art no	Dimensions - Nominal						Forces - Nominal						Box	
							MIN		MAX					
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.	kgf/Lbf.	
A40060D	4.0	4.1/161	1.15/.45	7.8/.307	2.31/.91	6.0	.236	1.0	.039	1.5	.059	100/220	160/352	8,000
A40080D						8.0	.315	1.5	.059	3.5	.138			7,000
A40100D						10.0	.394	3.5	.138	5.5	.217			7,000
A40120D						12.0	.472	5.5	.217	7.5	.295			6,000
A40140D						14.0	.551	7.5	.295	9.5	.374			6,000
A40160D						16.0	.630	9.5	.374	11.5	.453			5,000
A40180D						18.0	.709	11.5	.453	13.5	.531			5,000
A40200D						20.0	.787	13.5	.531	15.5	.610			5,000
A40220D						22.0	.866	15.5	.610	17.5	.689			4,000
A40250D						25.0	.984	17.5	.689	20.5	.807			4,000
A40300D	30.0	1.18	22.5	.886	25.5	1.00	3,000							

Blind Rivets | *Dome*

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free











Before Installation



After Installation



OPEN END

Art no	Dimensions - Nominal										Forces - Nominal			
							 MIN MAX							
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.		kgf/Lbf.
A48080D	4.8	4.9/193	1.30/.51	9.30/.366	2.61/103	8.0	.315	1.0	.039	3.0	.118	150/330	220/484	6,000
A48100D						10.0	.394	3.0	.118	5.0	.197			5,000
A48120D						12.0	.472	5.0	.197	7.0	.276			5,000
A48140D						14.0	.551	7.0	.276	9.0	.354			4,000
A48160D						16.0	.630	9.0	.354	11.0	.433			4,000
A48180D						18.0	.709	11.0	.433	13.0	.512			4,000
A48200D						20.0	.787	13.0	.512	15.0	.591			3,000
A48220D						22.0	.866	15.0	.591	17.0	.669			3,000
A48250D						25.0	.984	17.0	.669	20.0	.787			3,000
A48300D						30.0	1.181	20.0	.787	25.0	.984			2,500
A48330D						33.0	1.299	22.0	.866	28.0	1.102			2,000
A48350D						35.0	1.378	25.0	.984	30.0	1.181			2,000
A48400D						40.0	1.575	30.0	1.181	35.0	1.378			2,000

Blind Rivets | Countersunk

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural
Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



Art no	Dimensions - Nominal						Forces - Nominal						Box	
							MIN		MAX					
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.	kgf/Lbf.	
A32080K	3.2	3.3/.130	0.9/.35	5.7/.224	1.81/.71	8.0	.315	2.5	.098	4.5	.177	75/165	100/220	10,000
A32100K						10.0	.394	4.5	.177	6.5	.256			10,000
A32120K						12.0	.472	6.5	.256	8.5	.335			10,000
A40080K	4.0	4.1/1.61	1.10/.43	7.2/.283	2.31/.091	8.0	.315	1.5	.059	3.5	.138	100/220	160/352	7,000
A40100K						10.0	.394	3.5	.138	5.5	.217			7,000
A40120K						12.0	.472	5.5	.217	7.5	.295			6,000
A40140K						14.0	.551	7.5	.295	9.5	.374			6,000
A40160K						16.0	.630	9.5	.374	11.5	.453			5,000
A48160K	4.8	4.9/.193	1.30/.051	8.7/.343	2.61/.103	16.0	.630	9.0	.354	11.0	.433	150/330	220/484	4,000
A48180K						18.0	.709	11.0	.433	13.0	.512			4,000
A48250K						25.0	.984	17.0	.669	20.0	.787			3,000
A48300K						30.0	1.181	20.0	.787	25.0	.984			2,500

Blind Rivets | Large / Extra Large

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free












Before Installation



After Installation



OPEN END

Art no	Dimensions - Nominal						Forces - Nominal							
	 mm/inch	 mm/inch	 mm/inch	 mm/inch	 mm/inch	 mm	 inch	 MIN MAX		 kgf/Lbf.	 kgf/Lbf.			
A32080L	3.2	3.3/.130	1.2/.047	9.5/.374	1.81/.71	8.0	.315	2.5	.098	4.5	.177	75/165	100/220	8,000
A32100L						10.0	.394	4.5	.177	6.5	.256			8,000
A32120L						12.0	.472	6.5	.256	8.5	.335			6,000
A32140L						14.0	.551	8.5	.335	10.5	.413			6,000
A32160L						16.0	.630	10.5	.413	12.5	.492			5,000
A40080L						4.0	4.1/1.61	1.5/.059	12/.472	2.31/.091	8.0			.315
A40100L	10.0	.394	3.5	.138	5.5						.217	5,000		
A40120L	12.0	.472	5.5	.217	7.5						.295	4,000		
A40140L	14.0	.551	7.5	.295	9.5						.374	4,000		
A40160L	16.0	.630	9.5	.374	11.5						.453	4,000		
A40180L	18.0	.709	11.5	.453	13.5						.531	3,000		
A40200L	20.0	.787	13.5	.531	15.5						.610	3,000		
A40220L	22.0	.866	15.5	.610	17.5						.689	3,000		

Blind Rivets | Large / Extra Large

Body Material: Aluminium Alloy (2.5 Mg) to AA 5052. **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



Art no	Dimensions - Nominal											Forces - Nominal		
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.	kgf/Lbf.	
A48080L	4.8	4.9/.193	1.70/.067	14/.551	2.61/.103	8.0	.315	1.0	.039	3.0	.118	150/330	220/484	3,000
A48100L						10.0	.394	3.0	.118	5.0	.197			3,000
A48120L						12.0	.472	5.0	.197	7.0	.276			3,000
A48140L						14.0	.551	7.0	.276	9.0	.354			3,000
A48160L						16.0	.630	9.0	.354	11.0	.433			3,000
A48180L						18.0	.709	11.0	.433	13.0	.512			2,500
A48200L						20.0	.787	13.0	.512	15.0	.591			2,500
A48220L						22.0	.866	15.0	.591	17.0	.669			2,000
A48250L						25.0	.984	17.0	.669	20.0	.787			2,000
A48300L						30.0	1.181	20.0	.787	25.0	.984			2,000
A48120X						4.8	4.9/.193	1.80/0.71	15.8/.622	2.61/.103	12.0			.472
A48140X	14.0	.551	7.0	.276	9.0						.354	3,000		
A48160X	16.0	.630	9.0	.354	11.0						.433	2,500		
A48180X	18.0	.709	11.0	.433	13.0						.512	2,000		
A48200X	20.0	.787	13.0	.512	15.0						.591	2,000		
A48220X	22.0	.866	15.0	.591	17.0						.669	2,000		
A48250X	25.0	.984	17.0	.669	20.0						.787	2,000		
A48300X	30.0	1.181	20.0	.787	25.0						.984	2,000		

Blind Rivets | Peel

Body Material: Aluminium Alloy (3.5-5.0 Mg) to AA 5056 /5154 **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

Before Installation



After Installation



OPEN END

Art no	Dimensions - Nominal										Forces - Nominal			
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.		kgf/Lbf.
P40100D	4.0	4.3/.169	1.15/.045	7.8/.307	2.31/.091	10.0	0.394	2.0	0.079	4.0	0.157	150/330	185/407	7,000
P40120D						12.0	0.472	3.0	0.118	6.0	0.236			6,000
P40140D						14.0	0.551	4.0	0.157	8.0	0.315			6,000
P40160D						16.0	0.630	6.0	0.236	10.0	0.394			5,000
P48120D	4.8	5.2/.205	1.30/.051	9.3/.366	2.61/.103	12.0	0.472	2.0	0.079	5.0	0.197	200/440	200/440	4,000
P48140D						14.0	0.551	3.0	0.118	7.0	0.276			4,000
P48160D						16.0	0.630	5.0	0.197	9.0	0.354			4,000
P48180D						18.0	0.709	7.0	0.276	11.0	0.433			4,000
P48200D						20.0	0.787	9.0	0.354	13.0	0.512			3,000
P48250D						25.0	0.984	12.0	0.472	18.0	0.709			3,000
P48300D						30.0	1.181	16.0	0.630	23.0	0.906			3,000
P48350D						35.0	1.378	21.0	0.827	28.0	1.102			2,000
P48400D						40.0	1.575	26.0	1.024	33.0	1.299			2,000

Blind Rivets | Steel Dome

Before Installation

After Installation



Body Material: Low Carbon Steel, SAE 1006 or equivalent **Body finish:** Natural
Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Zinc Plated Cr VI free

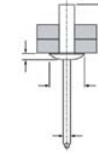
Art no	Dimensions - Nominal											Forces - Nominal		
							MIN		MAX					
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.	kgf/Lbf.	
S32060D	3.2	3.3/130	.90/.35	6.3/.248	2.01/.079	6.0	.236	0.5	.020	2.5	.098	130/286	175/385	10,000
S32080D						8.0	.315	2.5	.098	4.5	.177			10,000
S32100D						10.0	.394	4.5	.177	6.5	.256			10,000
S32120D						12.0	.472	6.5	.256	8.5	.335			10,000
S32140D						14.0	.551	8.5	.335	10.5	.413			8,000
S32160D						16.0	.630	10.5	.413	12.5	.492			7,000
S40080D	4.0	4.1/1.61	1.15/.045	7.8/.307	2.31/.091	8.0	.315	1.5	.059	3.5	.138	190/418	280/616	7,000
S40100D						10.0	.394	3.5	.138	5.5	.217			7,000
S40120D						12.0	.472	5.5	.217	7.5	.295			6,000
S40140D						14.0	.551	7.5	.295	9.5	.374			6,000
S40160D						16.0	.630	9.5	.374	11.5	.453			5,000
S40180D						18.0	.709	11.5	.453	13.5	.531			5,000
S48080D	4.8	4.9/193	1.30/.051	9.3/.366	2.91/.115	8.0	.315	0.5	.020	3.0	.118	290/638	400/880	5,000
S48100D						10.0	.394	3.0	.118	5.0	.197			5,000
S48120D						12.0	.472	5.0	.197	7.0	.276			5,000
S48140D						14.0	.551	7.0	.276	9.0	.354			4,000
S48160D						16.0	.630	9.0	.354	11.0	.433			4,000
S48180D						18.0	.709	11.0	.433	13.0	.512			4,000
S48200D						20.0	.787	13.0	.512	15.0	.591			3,000
S48220D						22.0	.866	15.0	.591	17.0	.669			3,000

Blind Rivets | Closed end

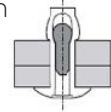
Body Material: Aluminium Alloy (5.0 Mg) to AA 5052 **Body finish:** Natural

Mandrel Material: Low Carbon Steel SAE 1006-1022 **Mandrel Finish:** Black Phosphated

Before Installation

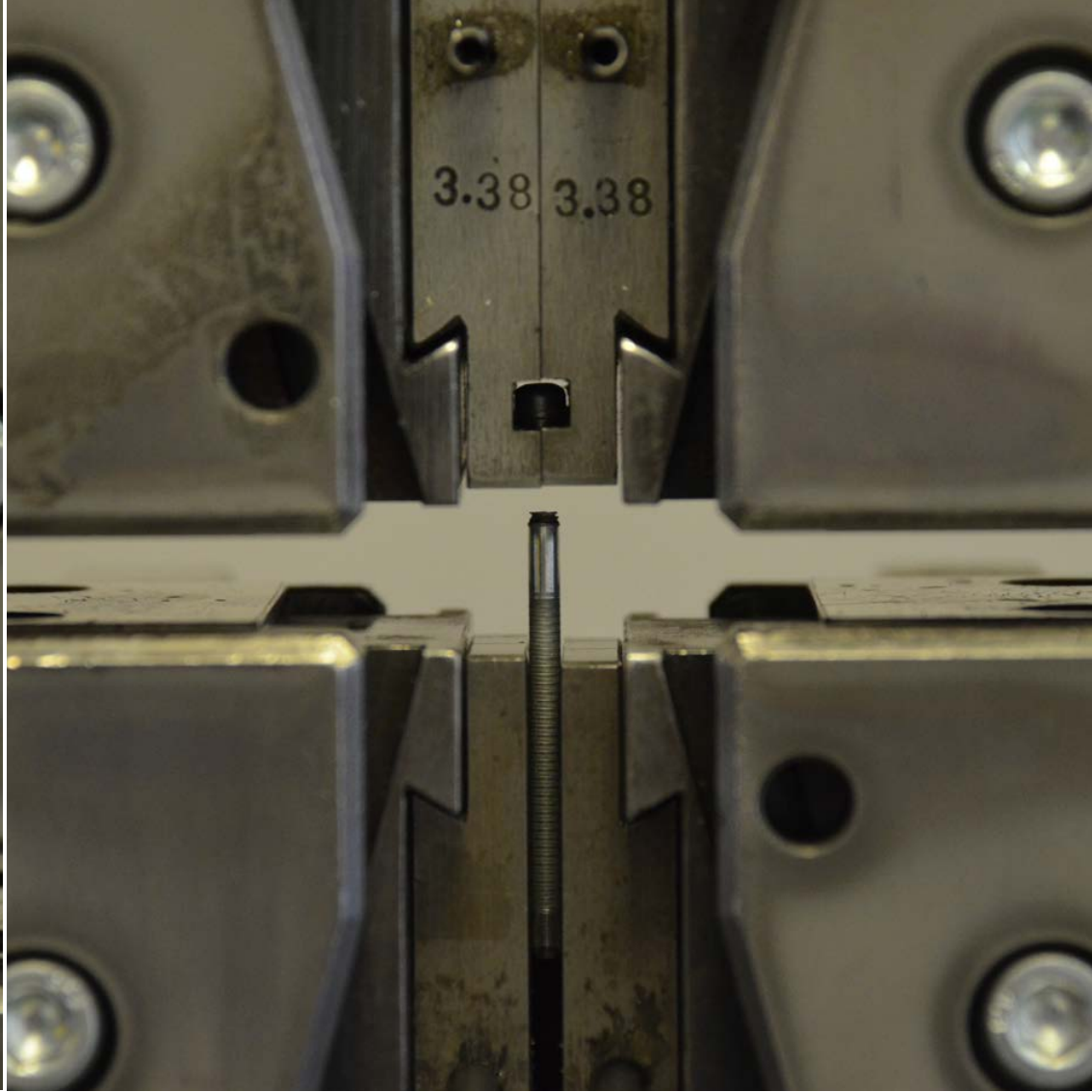


After Installation



OPEN END

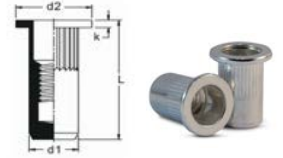
Art no	Dimensions - Nominal										Forces - Nominal			
							MIN		MAX					
	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm	inch	mm	inch	mm	inch	kgf/Lbf.		kgf/Lbf.
SA32060D	3.2	3.3/.130	1.4/0.055	6/0.236	1.7/0.067	6.0	.236	0.5	.020	2.0	.079	102/224.4	133/292.6	10,000
SA32080D						8.0	.315	2.0	.079	3.5	.138			10,000
SA32100D						10.0	.394	3.5	.138	5.0	.197			8,000
SA32105D						10.5	.413	5.0	.197	6.5	.256			6,000
SA32120D						12.0	.472	6.5	.256	8.0	.315			6,000
SA40080D						4.0	4.1/1.61	1.7/0.067	8/0.315	2.2/0.087	8.0			.315
SA40100D	10.0	.394	3.5	.138	5.0						.197	4,000		
SA40110D	11.0	.433	5.0	.197	6.5						.256	4,000		
SA40120D	12.0	.472	6.5	.256	8.0						.315	4,000		
SA40150D	15.0	.591	8.0	.315	11.0						.433	4,000		
SA48080D	4.8	4.9/.193	2.00/0.79	9.5/0.374	2.6/0.102						8.0	.315	1.0	.039
SA48095D						9.5	.374	3.5	.138	5.0	.197	4,000		
SA48100D						10.0	.394	4.0	.157	6.0	.236	4,000		
SA48110D						11.0	.433	5.0	.197	6.5	.256	4,000		
SA48120D						12.0	.472	6.5	.256	8.0	.315	4,000		
SA48140D						14.0	.551	8.0	.315	9.5	.374	4,000		
SA48160D						16.0	.630	9.5	.374	11.0	.433	4,000		
SA48180D						18.0	.709	11.0	.433	13.0	.512	4,000		
SA48200D						20.0	.787	13.0	.512	16.0	.630	3,000		
SA48250D						25.0	.984	16.0	.630	19.0	.748	3,000		





Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel finish: ZINC PLATED

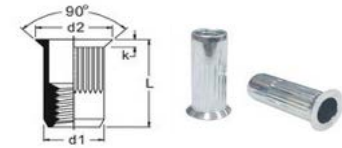


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M3	ORMF	03105	EPS	10.5	0.5	2.5	5.0	5.0	7.0	0.8
	ORMF	03115	EPS	11.5	2.5	4.0				
M4	ORMF	04110	EPS	11.0	0.5	3.0	6.0	6.0	9.0	1.0
	ORMF	04140	EPS	14.0	3.0	5.5				
M5	ORMF	05130	EPS	13.0	0.5	3.0	7.0	7.0	10.0	1.0
	ORMF	05165	EPS	16.5	3.0	5.5				
	ORMF	05190	EPS	19.0	5.5	8.0				
M6	ORMF	06160	EPS	16.0	0.5	3.0	9.0	9.0	12.0	1.5
	ORMF	06185	EPS	18.5	3.0	5.5				
	ORMF	06210	EPS	21.0	5.5	8.0				
M8	ORMF	08175	EPS	17.5	0.5	3.0	11.0	11.0	15.0	1.5
	ORMF	08200	EPS	20.0	3.0	5.5				
	ORMF	08225	EPS	22.5	5.5	8.0				
	ORMF	08250	EPS	25.0	8.0	10.5				
M10	ORMF	10190	EPS	19.0	0.5	3.0	12.0	12.0	16.0	2.0
	ORMF	10240	EPS	24.0	3.0	6.0				
	ORMF	10270	EPS	27.0	6.0	9.0				
	ORMF	10300	EPS	30.0	9.0	12.0				
M12	ORMF	12250	EPS	25.0	1.0	4.0	16.0	16.0	22.0	2.0
	ORMF	12280	EPS	28.0	4.0	7.0				
	ORMF	12310	EPS	31.0	7.0	10.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | Countersunk Head (Large) MM

Material: steel **finish:** ZINC PLATED



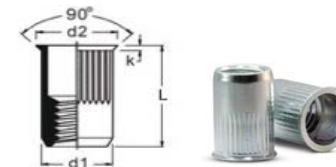
M-SERIES - OPEN END

Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M3	ORMP	03115	EPS	11.5	1.5	3.5	5.0	4.9	7.4	1.5
	ORMP	03125	EPS	12.5	3.5	5.0				
M4	ORMP	04125	EPS	12.5	1.5	4.0	6.0	5.9	8.4	1.5
	ORMP	04150	EPS	15.0	4.0	6.5				
M5	ORMP	05140	EPS	14.0	1.5	4.0	7.0	6.9	9.4	1.5
	ORMP	05160	EPS	16.0	4.0	6.5				
	ORMP	05185	EPS	18.5	6.5	9.0				
M6	ORMP	06155	EPS	15.5	1.5	4.0	9.0	8.9	11.4	1.5
	ORMP	06180	EPS	18.0	4.0	6.5				
	ORMP	06205	EPS	20.5	6.5	9.0				
M8	ORMP	08185	EPS	18.5	1.5	4.0	11.0	11.0	13.4	1.5
	ORMP	08210	EPS	21.0	4.0	6.5				
	ORMP	08235	EPS	23.5	6.5	9.0				
M10	ORMP	10210	EPS	21.0	2.0	4.5	12.0	12.0	14.7	1.7
	ORMP	10240	EPS	24.0	4.5	7.5				
	ORMP	10270	EPS	27.0	7.5	10.5				
M12	ORMP	12245	EPS	24.5	2.0	4.5	16.0	16.0	19.2	1.9
	ORMP	12275	EPS	27.5	4.5	7.5				
	ORMP	12310	EPS	31.0	7.5	10.5				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small)* MM

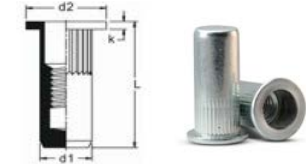
Material: steel **finish:** ZINC PLATED



Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M3	ORMC	03095	EPS	9.5	0.5	2.5	5.0	4.9	6.0	0.6
M4	ORMC	04100	EPS	10.0	0.5	3.0	6.0	5.9	7.0	0.6
M5	ORMC	05115	EPS	11.5	0.5	3.0	7.0	6.9	8.0	0.6
M6	ORMC	06145	EPS	14.5	0.5	3.0	9.0	8.9	10.0	0.6
M8	ORMC	08155	EPS	15.5	0.5	3.0	11.0	10.9	12.0	0.6
M10	ORMC	10195	EPS	19.5	0.8	3.5	12.0	11.9	13.5	0.6

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM



Material: steel **finish:** ZINC PLATED

Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M3	OCMF	03155	EPS	15.5	0.5	2.5	5.0	4.9	7.0	0.8
	OCMF	03165	EPS	16.5	2.5	4.0				
M4	OCMF	04160	EPS	16.0	0.5	3.0	6.0	5.9	9.0	1.0
	OCMF	04190	EPS	19.0	3.0	5.5				
M5	OCMF	05185	EPS	18.5	0.5	3.0	7.0	6.9	10.0	1.0
	OCMF	05220	EPS	22.0	3.0	5.5				
	OCMF	05250	EPS	25.0	5.5	8.0				
M6	OCMF	06215	EPS	21.5	0.5	3.0	9.0	8.9	12.0	1.5
	OCMF	06245	EPS	24.5	3.0	5.5				
	OCMF	06270	EPS	27.0	5.5	8.0				
M8	OCMF	08260	EPS	26.0	0.5	3.0	11.0	10.9	15.0	1.5
	OCMF	08290	EPS	29.0	3.0	5.5				
	OCMF	08315	EPS	31.5	5.5	8.0				
	OCMF	08340	EPS	34.0	8.0	10.5				
M10	OCMF	10285	EPS	28.5	0.5	3.0	12.0	11.9	16.0	2.0
	OCMF	10335	EPS	33.5	3.0	6.0				
	OCMF	10365	EPS	36.5	6.0	9.0				
	OCMF	10395	EPS	39.5	9.0	12.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | Countersunk Head (Large) MM

Material: steel finish: ZINC PLATED

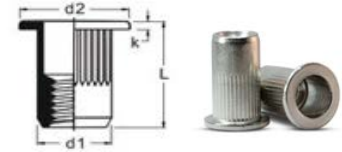


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M3	OCMP	03165	EPS	16.5	1.5	3.5	5.0	4.9	7.4	1.5
	OCMP	03175	EPS	17.5	3.5	5.0				
M4	OCMP	04180	EPS	18.0	1.5	4.0	6.0	5.9	8.4	1.5
	OCMP	04205	EPS	20.5	4.0	6.5				
M5	OCMP	05200	EPS	20.0	1.5	4.0	7.0	6.9	9.4	1.5
	OCMP	05230	EPS	23.0	4.0	6.5				
	OCMP	05255	EPS	25.5	6.5	9.0				
M6	OCMP	06230	EPS	23.0	1.5	4.0	9.0	8.9	11.4	1.5
	OCMP	06260	EPS	26.0	4.0	6.5				
	OCMP	06285	EPS	28.5	6.5	9.0				
M8	OCMP	08275	EPS	27.5	1.5	4.0	11.0	10.9	13.4	1.5
	OCMP	08300	EPS	30.0	4.0	6.5				
	OCMP	08325	EPS	32.5	6.5	9.0				
M10	OCMP	10305	EPS	30.5	2.0	4.5	12.0	11.9	14.7	1.7
	OCMP	10335	EPS	33.5	4.5	7.5				
	OCMP	10365	EPS	36.5	7.5	10.5				
M12	OCMP	12350	EPS	35.0	2.0	4.5	16.0	15.9	19.2	1.9
	OCMP	12380	EPS	38.0	4.5	7.5				
	OCMP	12410	EPS	41.0	7.5	10.5				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: Stainless steel A2 **finish:** Natural

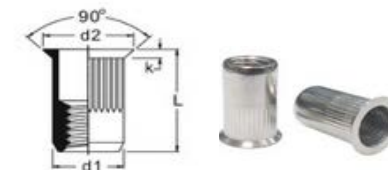


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M4	ORMF	04110	MR2	11.0	0.5	3.0	6.0	5.9	9.0	1.0
	ORMF	04140	MR2	14.0	3.0	4.5				
M5	ORMF	05130	MR2	13.0	0.5	3.0	7.0	6.9	10.0	1.0
	ORMF	05165	MR2	16.5	3.0	5.5				
	ORMF	05190	MR2	19.0	5.5	8.0				
M6	ORMF	06160	MR2	16.0	0.5	3.0	9.0	8.9	12.0	1.5
	ORMF	06185	MR2	18.5	3.0	5.5				
M8	ORMF	08175	MR2	17.5	0.5	3.0	11.0	10.9	15.0	1.5
	ORMF	08200	MR2	20.0	3.0	5.5				
M10	ORMF	10190	MR2	19.0	0.5	3.0	13.0	12.9	16.0	2.0
	ORMF	10240	MR2	24.0	3.0	6.0				

NOTE: STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | Countersunk Head (Large) MM

Material: Stainless steel A2 **finish:** Natural

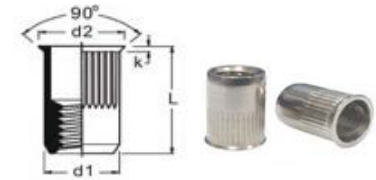


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M4	ONMP	04125	MR2	12.5	1.5	4.0	6.0	5.9	8.4	1.5
M5	ONMP	05135	MR2	13.5	1.5	4.0	7.0	6.9	9.4	1.5
	ONMP	05160	MR2	16.0	4.0	6.5				
M6	ONMP	06155	MR2	15.5	1.5	4.0	9.0	8.9	11.4	1.5
	ONMP	06180	MR2	18.0	4.0	6.5				
M8	ONMP	08185	MR2	18.5	1.5	4.0	11.0	10.9	13.4	1.5
	ONMP	08210	MR2	21.0	4.0	6.5				
M10	ONMP	10210	MR2	21.0	2.0	4.5	13.0	12.9	15.7	1.8
	ONMP	10240	MR2	24.0	4.5	7.5				
M12	ONMP	12245	MR2	24.5	2.0	4.5	16.0	15.9	19.2	2.0
	ONMP	12275	MR2	27.5	4.5	7.5				

NOTE: STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small)* MM

Material: Stainless steel A2 **finish:** Natural

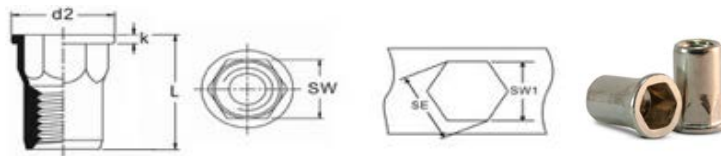


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M4	ORMC	04100	MR2	10.0	0.5	3.0	6.0	5.9	7.0	0.8
M5	ORMC	05115	MR2	11.5	0.5	3.0	7.0	6.9	8.0	0.8
M6	ORMC	06140	MR2	14.0	0.5	3.0	9.0	8.9	10.0	0.8
M8	ORMC	08155	MR2	15.5	0.5	3.0	11.0	10.9	12.0	0.8
M10	ORMC	10195	MR2	19.5	0.8	3.5	13.0	12.9	14.5	1.0

NOTE: STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: Stainless steel A2 **finish:** Natural

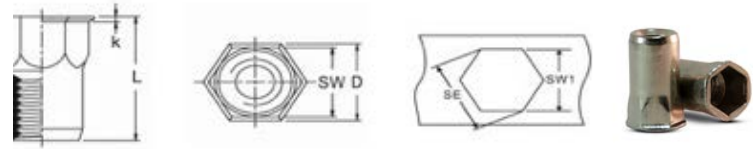


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M4	ORMF	04130	H2	13.0	0.5	3.0	6.1	6.8	9.3	1.0
SW 6.0										
M5	ORMF	05145	H2	14.5	0.5	3.0	7.1	7.9	10.3	1.0
SW 7.0										
M6	ORMF	06170	H2	17.0	0.5	3.0	9.1	10.2	12.3	1.5
SW 9.0										
M8	ORMF	08188	H2	18.8	0.5	3.0	11.1	12.4	14.3	1.5
SW 11.0										
M10	ORMF	10240	H2	24.0	1.0	4.0	13.1	14.7	16.3	2.0
SW 13.0										

NOTE: STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small)* MM

Material: Stainless steel A2 **finish:** Natural

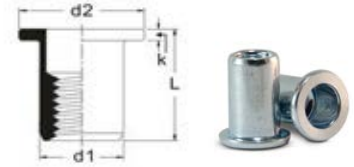


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2 max.	k max
M4	ORMC	04125	H2	12.5	0.5	3.0	6.1	6.8	6.5	0.6
SW 6.0										
M5	ORMC	05140	H2	14.0	0.5	3.0	7.1	7.9	7.5	0.6
SW 7.0										
M6	ORMC	06160	H2	16.0	0.5	3.0	9.1	10.2	9.5	0.6
SW 9.0										
M8	ORMC	08170	H2	17.0	0.5	3.0	11.1	12.4	11.5	0.6
SW 11.0										
M10	ORMC	10205	H2	20.5	1.0	4.0	13.1	14.7	13.9	0.8
SW 13.0										

NOTE: STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel **finish:** Yellow Zinc Plated

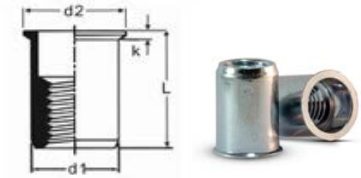


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M3	ORMF	03095	POP	9.5	0.5	1.5	5.1	5.0	8.3	0.8
	ORMF	03105	POP	10.5	1.5	2.5				
M4	ORMF	04110	POP	11.0	0.5	1.5	6.1	6.0	9.3	0.8
	ORMF	04120	POP	12.0	1.5	2.5				
	ORMF	04130	POP	13.0	2.5	3.5				
M5	ORMF	05120	POP	12.0	0.5	1.5	7.1	7.0	10.3	1.0
	ORMF	05130	POP	13.0	1.5	2.5				
	ORMF	05140	POP	14.0	2.5	3.5				
M6	ORMF	06155	POP	15.5	0.5	2.5	9.1	9.0	12.3	1.5
	ORMF	06170	POP	17.0	2.5	4.0				
M8	ORMF	08170	POP	17.0	1.0	2.5	11.1	11.0	14.3	1.5
	ORMF	08185	POP	18.5	2.5	4.0				
M10	ORMF	10175	POP	17.5	1.0	2.5	13.1	13.0	16.3	1.5
	ORMF	10190	POP	19.0	2.5	4.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | Countersunk Head (csk) MM

Material: steel **finish:** Yellow Zinc Plated

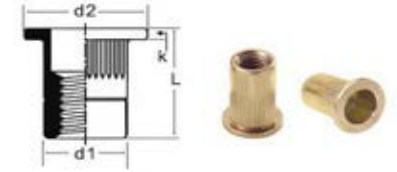


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M3	ORMC	03090	POP	9.0	0.5	1.5	5.1	5.0	6.0	0.5
	ORMC	03100	POP	10.0	1.5	2.5				
M4	ORMC	04105	POP	10.5	0.5	1.5	6.1	6.0	7.0	0.5
	ORMC	04115	POP	11.5	1.5	2.5				
	ORMC	04125	POP	12.5	2.5	3.5				
M5	ORMC	05110	POP	11.0	0.5	1.5	7.1	7.0	8.0	0.5
	ORMC	05120	POP	12.0	1.5	2.5				
	ORMC	05130	POP	13.0	2.5	3.5				
M6	ORMC	06140	POP	14.0	0.5	2.5	9.1	9.0	10.0	0.5
	ORMC	06155	POP	15.5	2.5	3.5				
M8	ORMC	08155	POP	15.5	1.0	2.5	11.1	11.0	12.0	0.5
	ORMC	08170	POP	17.0	2.5	4.0				
M10	ORMC	10165	POP	16.5	1.0	2.5	13.1	13.0	14.0	0.5
	ORMC	10180	POP	18.0	2.5	4.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat) with Serration* MM

Material: steel **finish:** Yellow Zinc Plated

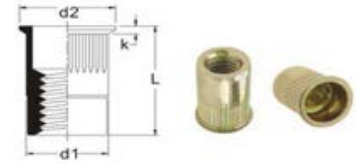


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M4	ORMF	04110	POR	11.0	0.5	1.5	6.1	6.0	9.3	0.8
	ORMF	04120	POR	12.0	1.5	2.5				
	ORMF	04130	POR	13.0	2.5	3.5				
M5	ORMF	05120	POR	12.0	0.5	1.5	7.1	7.0	10.3	1.0
	ORMF	05130	POR	13.0	1.5	2.5				
	ORMF	05140	POR	14.0	2.5	3.5				
M6	ORMF	06155	POR	15.5	0.5	2.5	9.1	9.0	12.3	1.5
	ORMF	06170	POR	17.0	2.5	4.0				
M8	ORMF	08170	POR	17.0	1.0	2.5	11.1	11.0	14.3	1.5
	ORMF	08185	POR	18.5	2.5	4.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | Countersunk Head (CSK) MM

Material: steel **finish:** Yellow Zinc Plated

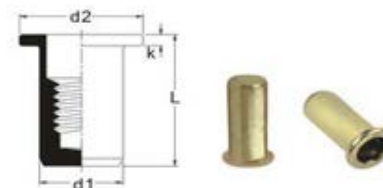


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M3	ORMC	03100	POR	10.0	1.5	2.5	5.1	5.0	6.0	0.5
M4	ORMC	04105	POR	10.5	0.5	1.5	6.1	6.0	7.0	0.5
	ORMC	04115	POR	11.5	1.5	2.5				
	ORMC	04125	POR	12.5	2.5	3.5				
M5	ORMC	05110	POR	11.0	0.5	1.5	7.1	7.0	8.0	0.5
	ORMC	05120	POR	12.0	1.5	2.5				
	ORMC	05130	POR	13.0	2.5	3.5				
M6	ORMC	06140	POR	14.0	0.5	2.5	9.1	9.0	10.0	0.5
	ORMC	06155	POR	15.5	2.5	4.0				
M8	ORMC	08155	POR	15.5	1.0	2.5	11.1	11.0	12.0	0.5
	ORMC	08170	POR	17.0	2.5	4.0				
M10	ORMC	10160	POR	16.0	1.0	2.5	13.1	13.0	14.0	0.5

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel **finish:** Yellow Zinc Plated

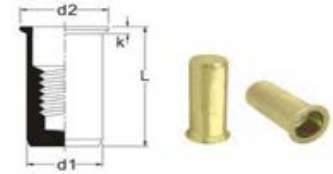


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M4	ORMF	04145	POP	14.5	0.5	1.5	6.1	6.0	9.0	0.8
	ORMF	04155	POP	15.5	1.5	2.5				
	ORMF	04165	POP	16.5	2.5	3.5				
M5	ORMF	05160	POP	16.0	0.5	1.5	7.1	7.0	10.0	1.0
	ORMF	05170	POP	17.0	1.5	2.5				
	ORMF	05180	POP	18.0	2.5	3.5				
M6	ORMF	06200	POP	20.0	1.0	2.5	9.1	9.0	12.0	1.5
	ORMF	06215	POP	21.5	2.5	4.0				
M8	ORMF	08225	POP	22.5	1.0	2.5	11.1	11.0	14.0	1.5
	ORMF	08240	POP	24.0	2.5	4.0				
M10	ORMF	10240	POP	24.0	1.0	2.5	13.1	13.0	16.0	1.5
	ORMF	10255	POP	25.5	2.5	4.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | Countersunk Head (csk) MM

Material: steel **finish:** Yellow Zinc Plated

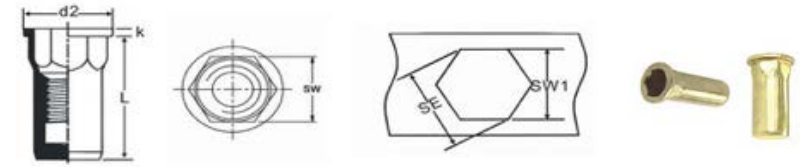


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M4	ORMC	04150	POP	15.0	0.5	1.5	6.1	6.0	7.0	0.5
	ORMC	04160	POP	16.0	1.5	2.5				
	ORMC	04170	POP	17.0	2.5	3.5				
M5	ORMC	05165	POP	16.5	0.5	1.5	7.1	7.0	8.0	0.5
	ORMC	05175	POP	17.5	1.5	2.5				
	ORMC	05185	POP	18.5	2.5	3.5				
M6	ORMC	06205	POP	20.5	1.0	2.5	9.1	9.0	10.0	0.5
	ORMC	26220	POP	22.0	2.5	4.0				
M8	ORMC	08230	POP	23.0	1.0	2.5	11.1	11.0	12.0	0.5
	ORMC	08245	POP	24.5	2.5	4.0				
M10	ORMC	10245	POP	24.5	1.0	2.5	13.1	13.0	14.0	0.5
	ORMC	10260	POP	26.0	2.5	4.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel **finish:** Yellow Zinc Plated

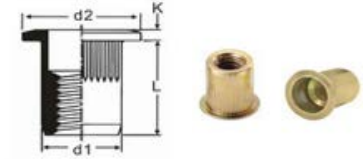


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW	SW1	SE	d2	k
M4	OCMF	04165	PH2	16.5	0.5	2.5	6.0	6.1	6.8	9.3	1.0
M5	OCMF	05185	PH2	18.5	0.5	3.0	7.0	7.1	7.9	10.3	1.0
M6	OCMF	06210	PH2	21.0	0.5	3.0	9.0	9.1	10.2	12.3	1.5
M8	OCMF	08260	PH2	26.0	0.5	3.0	11.0	11.1	12.4	14.5	1.5
M10	OCMF	10280	PH2	28.0	1.0	4.0	13.0	13.1	14.7	16.3	2.0

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat) imperial*

SERRATION STYLE 1 **Material:** steel **finish:** Yellow Zinc Plated

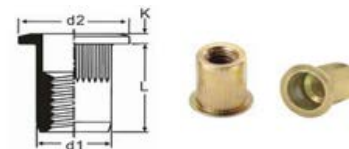


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
#6-32	ORIF	06042	AL	.420	.020	.080	17/64	.265	.390	.030
	ORIF	06047	AL	.470	.080	.130				
#8-32	ORIF	08042	AL	.420	.020	.080	17/64	.265	.390	.030
	ORIF	08047	AL	.470	.080	.130				
#10-24	ORIF	10047	AL	.475	.020	.130	19/64	.296	.415	.030
	ORIF	10058	AL	.585	.130	.225				
#10-32	ORFF	10047	FAL	.475	.020	.130	19/64	.296	.415	.030
	ORFF	10058	FAL	.585	.130	.225				
1/4-20	ORFF	20058	AL	.580	.027	.165	25/64	.390	.500	.030
	ORFF	20068	AL	.680	.165	.260				
1/4-28	ORFF	20058	FAL	.580	.027	.165	25/64	.390	.500	.030
	ORFF	20068	FAL	.680	.165	.260				
5/16-18	ORIF	25069	AL	.690	.027	.150	17/32	.530	.685	.035
	ORIF	25080	AL	.805	.150	.312				
5/16-24	ORFF	25069	FAL	.690	.027	.150	17/32	.530	.685	.035
	ORFF	25080	FAL	.805	.150	.312				
3/8-16	ORIF	30069	AL	.690	.027	.150	17/32	.530	.685	.035
	ORIF	30080	AL	.805	.150	.312				
3/8-24	ORFF	30069	FAL	.690	.027	.150	17/32	.530	.685	.035
	ORFF	30080	FAL	.805	.150	.312				
1/2-13	ORIF	40115	AL	1.150	.063	.200	11/16	.685	.865	.047
	ORIF	40130	AL	1.300	.200	.350				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat) imperial*

SERRATION STYLE 1 **Material:** steel **finish:** Yellow Zinc Plated



Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M4	ORMF	04106	AL	10.67	0.5	2.0	6.75	6.73	9.91	0.76
	ORMF	04119	AL	11.94	2.0	3.3				
M5	ORMF	05120	AL	12.07	0.5	3.3	7.6	7.52	10.54	0.76
	ORMF	05148	AL	14.86	3.3	5.7				
M6	ORMF	06147	AL	14.73	0.7	4.2	10.0	9.91	12.70	0.76
	ORMF	06172	AL	17.27	4.2	6.6				
M8	ORMF	08175	AL	17.53	0.7	3.8	13.5	13.46	17.40	0.89
	ORMF	08204	AL	20.45	3.8	7.9				
M10	ORMF	10175	AL	17.53	0.7	3.8	13.5	13.46	17.40	0.89
	ORMF	10204	AL	20.45	3.8	7.9				
M12	ORMF	12292	AL	29.21	1.6	5.1	17.45	17.4	21.97	1.19
	ORMF	12330	AL	33.02	5.1	8.7				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | Countersunk Head (AK) imperial

SERRATION STYLE 2 **Material:** steel **finish:** Yellow Zinc Plated

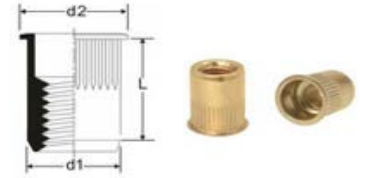


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
#6-32	ORIC	06042	AK	.420	.020	.080	17/64	.265	.310	.019
	ORIC	06047	AK	.470	.080	.130				
#8-32	ORIC	08042	AK	.420	.020	.080	17/64	.265	.310	.019
	ORIC	08047	AK	.470	.080	.130				
#10-24	ORIC	10047	AK	.475	.020	.130	19/64	.296	.340	.019
	ORIC	10058	AK	.585	.130	.225				
#10-32	ORFC	10047	FAK	.475	.020	.130	19/64	.296	.340	.019
	ORFC	10058	FAK	.585	.130	.225				
1/4-20	ORIC	20058	AK	.580	.027	.165	25/64	.390	.455	.022
	ORIC	20068	AK	.680	.165	.260				
1/4-28	ORFC	20058	FAK	.580	.027	.165	25/64	.390	.455	.022
	ORFC	20068	FAK	.680	.165	.260				
5/16-18	ORIC	25069	AK	.690	.027	.150	17/32	.530	.595	.022
	ORIC	25080	AK	.805	.150	.312				
5/16-24	ORFC	25069	FAK	.690	.027	.150	17/32	.530	.595	.022
	ORFC	25080	FAK	.805	.150	.312				
3/8-16	ORIC	30069	AK	.690	.027	.150	17/32	.530	.595	.022
	ORIC	30080	AK	.805	.150	.312				
3/8-24	ORFC	30069	FAK	.690	.027	.150	17/32	.530	.595	.022
	ORFC	30080	FAK	.805	.150	.312				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *MM*

SERRATION STYLE 2 **Material:** steel **finish:** Yellow Zinc Plated

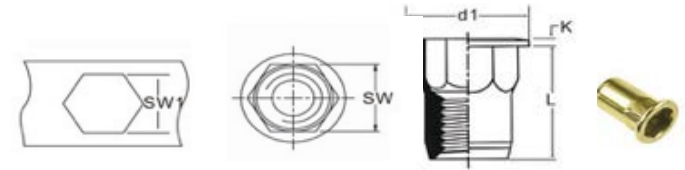


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M4	ORMC	04106	AK	10.67	0.5	2.0	6.75	6.73	7.87	0.48
	ORMC	04119	AK	11.94	2.0	3.3				
M5	ORMC	05120	AK	12.07	0.5	3.3	7.6	7.52	8.64	0.48
	ORMC	05148	AK	14.86	3.3	5.7				
M6	ORMC	06147	AK	14.73	0.7	4.2	10.0	9.91	11.56	0.55
	ORMC	06172	AK	17.27	4.2	6.6				
M8	ORMC	08175	AK	17.53	0.7	3.8	13.5	13.46	15.11	0.55
	ORMC	08204	AK	20.45	3.8	7.9				
M10	ORMC	10175	AK	17.53	0.7	3.8	13.5	13.46	15.11	0.55
	ORMC	10204	AK	20.45	3.8	7.9				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Semi-Hexagon Flat Head (AH) imperial*

Material: steel **finish:** Yellow Zinc Plated

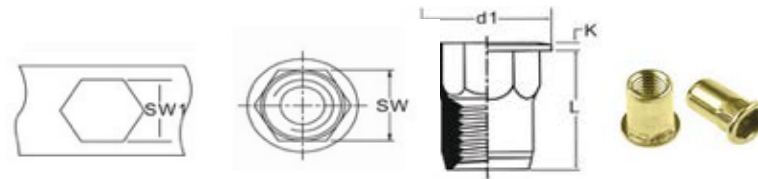


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW1	SW	d1	K
#6-32	ORIF	06038	AH	.385	.020	.080	.250	.249	.375	.027
	ORIF	06043	AH	.435	.080	.130				
#8-32	ORIF	08038	AH	.385	.020	.080	.250	.249	.375	.027
	ORIF	08043	AH	.435	.080	.130				
#10-24	ORIF	10043	AH	.435	.020	.130	.281	.280	.390	.027
	ORIF	10053	AH	.535	.130	.225				
#10-32	ORFF	10043	AH	.435	.020	.130	.281	.280	.390	.027
	ORFF	10053	AH	.535	.130	.225				
1/4-20	ORIF	20058	AH	.585	.027	.165	.375	.374	.510	.030
	ORIF	20068	AH	.685	.165	.260				
5/16-18	ORIF	25068	AH	.685	.027	.150	.500	.499	.655	.035
	ORIF	25084	AH	.845	.150	.312				
3/8-16	ORIF	30068	AH	.685	.027	.150	.500	.499	.655	.035
	ORIF	30084	AH	.845	.150	.312				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Semi-Hexagon Flat Head (AH) imperial*

Material: steel **finish:** Yellow Zinc Plated



Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW1	SW	d1	k
M4	ORMF	04097	AH	9.78	0.5	2.0	6.35	6.35	9.53	0.68
	ORMF	04110	AH	11.05	2.0	3.3				
M5	ORMF	05110	AH	11.05	0.5	3.3	7.14	7.10	9.91	0.68
	ORMF	05135	AH	13.59	3.3	5.7				
M6	ORMF	06148	AH	14.86	0.7	4.2	9.53	9.50	12.96	0.76
	ORMF	06174	AH	17.40	4.2	6.6				
M8	ORMF	08174	AH	17.40	0.7	3.8	12.70	12.70	16.64	0.89
	ORMF	08214	AH	21.46	3.8	7.9				
M10	ORMF	10174	AH	17.40	0.7	3.8	12.70	12.70	16.64	0.89
	ORMF	10214	AH	21.46	3.8	7.9				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rivet Nut | *Zinc Plated Flat Head (RN) imperial*

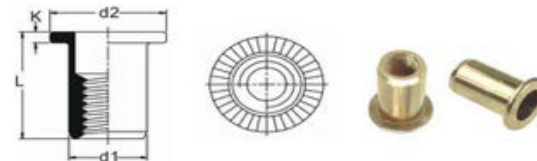
Material: steel **finish:** Zinc Plated



Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	K
#6-32	ORIF	06043	RN	.438	.010	.075	#12(.189)	.189	.325	.032
	ORIF	06050	RN	.500	.075	.120				
#8-32	ORIF	08043	RN	.438	.010	.075	#2(.221)	.221	.357	.032
	ORIF	08050	RN	.500	.075	.120				
#10-24	ORIF	10053	RN	.531	.010	.080	1/4(.250)	.250	.406	.038
	ORIF	10059	RN	.594	.080	.130				
	ORIF	10064	RN	.641	.130	.180				
#10-32	ORFF	10053	RN	.531	.010	.080	1/4(.250)	.250	.406	.038
	ORFF	10059	RN	.594	.080	.130				
1/4-20	ORIF	20062	RN	.625	.020	.080	Q(.332)	.332	.475	.058
	ORIF	20068	RN	.687	.080	.140				
	ORIF	20075	RN	.750	.140	.200				
5/16-18	ORIF	25075	RN	.750	.030	.125	Z(.413)	.413	.665	.062
	ORIF	25087	RN	.875	.125	.200				
3/8-16	ORIF	30084	RN	.844	.030	.115	12.5mm(.490)	.490	.781	.088
	ORIF	30093	RN	.938	.115	.200				
	ORIF	30109	RN	1.031	.200	.285				
3/8-16	ORIF	40090	RN	.906	.050	.150	5/8(.625)	.625	.906	.085
	ORIF	40103	RN	1.031	.150	.250				
	ORIF	40114	RN	1.141	.250	.350				

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel **finish:** Yellow Zinc Plated

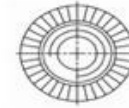
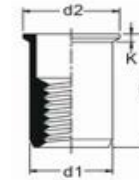


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M3	ORMF	03095	SS	9.5	1.0	2.5	5.0	4.9	8.0	0.8
M4	ORMF	04110	SS	11.0	1.0	2.5	6.1	6.0	9.0	0.8
M5	ORMF	05135	SS	13.5	0.5	3.0	7.0	6.9	10.0	1.2
M6	ORMF	06145	SS	14.5	1.0	2.5	9.0	8.9	12.0	1.5
	ORMF	06165	SS	16.5	2.5	4.0				
M8	ORMF	08180	SS	18.0	0.8	3.5	11.1	11.0	15.0	1.5
M10	ORMF	10195	SS	19.5	1.0	3.5	12.0	11.9	16.0	1.7
	ORMF	10220	SS	22.0	3.5	6.0				

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SQUARE STYLE IS AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small)* MM

Material: steel **finish:** Yellow Zinc Plated

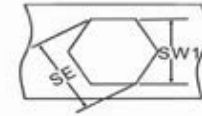
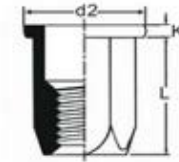


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	Hole Size	d1	d2	k
M3	ORMC	03090	SS	9.0	0.5	1.5	4.9	4.8	5.5	0.6
M4	ORMC	04104	SS	10.4	0.5	1.5	6.4	6.32	7.2	0.7
M5	ORMC	05120	SS	12.0	0.5	2.0	7.2	7.11	8.0	0.7
M6	ORMC	06150	SS	15.0	0.8	2.5	9.6	9.45	10.7	1.0
M8	ORMC	08160	SS	16.0	1.0	3.0	10.6	10.5	11.7	0.9

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Cylindrical Head (Flat)* MM

Material: steel **finish:** Yellow Zinc Plated

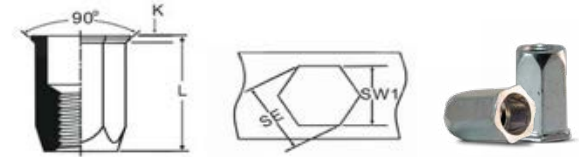


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW1	SE	d2	k
M4	ORMF	04115	HS	11.5	0.5	3.0	6.1	6.8	9.3	1.0
SW 6.0										
M5	ORMF	05135	HS	13.5	0.5	3.0	7.1	7.9	10.3	1.0
SW 7.0										
M6	ORMF	06155	HS	15.5	0.5	3.0	9.1	10.2	12.3	1.5
SW 9.0										
M8	ORMF	08175	HS	17.5	0.5	3.0	11.1	12.4	14.3	1.5
SW 11.0										
M10	ORMF	10220	HS	22.0	1.0	4.0	13.1	14.7	16.3	2.0
SW 13.0										

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SQUARE STYLE IS AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small)* MM

Material: steel **finish:** Yellow Zinc Plated

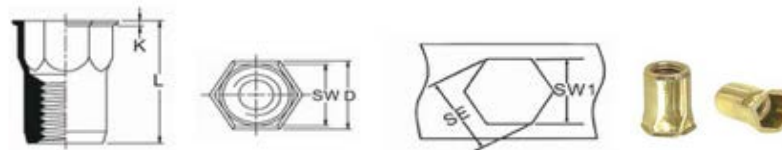


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW1	SE	D	k
M4	ORMC	04120	HSF	12.0	0.5	3.0	6.1	6.8	7.0	0.8
SW 6.0										
M5	ORMC	05140	HSF	14.0	0.5	3.0	7.1	7.9	8.0	0.8
SW 7.0										
M6	ORMC	06160	HSF	16.0	0.5	3.0	9.1	10.2	10.0	0.8
SW 9.0										
M8	ORMC	08180	HSF	18.0	0.5	3.0	11.1	12.4	12.0	0.8
SW 11.0										
M10	ORMC	10220	HSF	22.0	0.5	3.0	13.1	14.7	14.0	0.8
SW 13.0										

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Rivet Nut | *Reduced Countersunk Head (Small) MM*

Material: steel **finish:** Yellow Zinc Plated

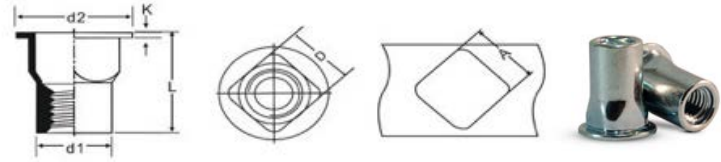


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	SW1	SE	D	k
M4	ORMC	04110	PH2	11.0	1.5	2.5	6.1	6.8	7.0	0.8
SW 6.0										
M5	ORMC	05120	PH2	12.0	1.5	2.5	7.1	7.9	8.0	0.8
SW 7.0										
M6	ORMC	06140	PH2	14.0	0.5	2.5	9.1	10.2	10.0	0.8
SW 9.0										
M8	ORMC	08155	PH2	15.5	1.0	2.5	11.1	12.4	12.0	0.8
SW 11.0										
M10	ORMC	10180	PH2	18.0	1.0	2.5	13.1	14.7	14.0	0.8
SW 13.0										

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.SQUARE STYLE IS AVAILABLE.

Rivet Nut | Square Style Cylindrical Head (Flat) MM

Material: steel **finish:** Yellow Zinc Plated

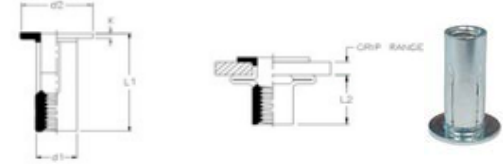


Treaded Size	Code No			L	Grip Range Min.	Grip Range Max.	A	D	d2	k
M4	ORMF	04110	QS	11.0	0.5	2.0	6.1	6.0	9.5	0.6
SW 6.0										
M5	ORMF	05110	QS	11.0	0.5	2.0	7.1	7.0	10.5	0.6
SW 7.0										
M6	ORMF	06150	QS	15.0	0.5	2.0	9.1	9.0	13.0	0.8
SW 9.0										
M8	ORMF	08180	QS	18.0	0.5	2.0	11.1	11.0	15.0	0.8
SW 11.0										

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE. SERRATION STYLE IS AVAILABLE.

Split Nut | *MM*

Material: Steel **finish:** Zinc

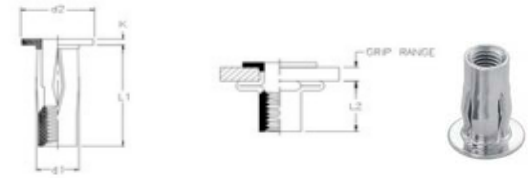


Treaded Size	Code No			Grip Size Min.	Grip Size Max.	Hole Size Min.	Hole Size Max.	D1 Max.	D2 REF.	K REF.	L1 REF.	L2 REF.
M4 X 0.7 (#8)	OSMF	04176	RS	0.50	3.80	6.13	6.25	6.12	11.1	0.96	17.6	8.6
	OSMF	04208	RS	3.80	6.85	6.13	6.25	6.12	11.1	0.96	20.8	8.6
M5 X 0.8 (#10)	OSMF	05220	RS	0.50	4.45	7.48	7.62	7.47	12.7	0.96	22.0	9.9
	OSMF	05248	RS	4.45	8.10	7.48	7.62	7.47	12.7	0.96	24.8	9.9
M6 X 1.0 (1/4")	OSMF	06273	RS	0.50	7.10	8.80	8.93	8.79	15.9	1.50	27.3	12.8
	OSMF	06328	RS	7.10	12.70	8.80	8.93	8.79	15.9	1.50	32.8	12.8
M8 X 1.25 (5/16")	OSMF	08305	RS	0.50	7.10	11.11	11.50	11.10	19.0	1.57	30.5	14.5
	OSMF	08365	RS	7.10	12.70	11.11	11.50	11.10	19.0	1.57	36.5	14.5
M10 X 1.5 (3/8")	OSMF	10332	RS	0.50	7.10	13.07	13.26	13.06	22.2	2.24	33.2	15.8
	OSMF	10387	RS	7.10	12.70	13.07	13.26	13.06	22.2	2.24	38.7	15.8

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Split Nut | INCH / MM

Material: Steel **finish:** Zinc

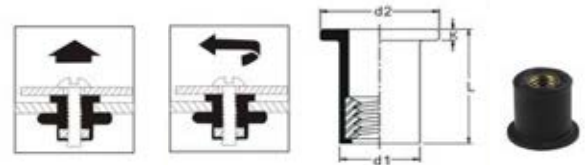


Treaded Size	Code No			Grip Size Min.	Grip Size Max.	Hole Size Min.	Hole Size Max.	D1	D2	K	L1	L2 MAX.
1/4-20UNC	OSIB	20101	RS	0.02	0.28	0.39	0.396	0.382	0.645	0.063	1.015	0.520
								0.368	0.610	0.053	0.985	
1/4-20UNC	OSIB	20124	RS	0.28	0.5	0.39	0.396	0.382	0.645	0.063	1.249	0.520
								0.368	0.610	0.053	1.219	
5/16-18UNC	OSIB	25115	RS	0.02	0.28	0.5	0.506	0.495	0.770	0.067	1.156	0.775
								0.490	0.740	0.057	1.126	
5/16-18UNC	OSIB	25139	RS	0.28	0.5	0.5	0.506	0.495	0.770	0.067	1.390	0.775
								0.490	0.740	0.057	1.360	
3/8-16UNC	OSIB	30123	RS	0.02	0.28	0.594	0.600	0.587	0.895	0.093	1.233	0.775
								0.582	0.865	0.083	1.205	
M6 X 1.0	OSMB	6257	RS	0.5	7.1	10.00	10.15	9.80	16.38	1.60	25.78	13.21
								9.35	15.49	1.36	25.02	
M6 X 1.0	OSMB	6317	RS	7.1	12.7	10.00	10.15	9.80	16.38	1.60	31.72	13.21
								9.35	15.49	1.35	30.96	
M8 X 1.25	OSMB	8296	RS	0.5	7.1	12.70	12.85	12.57	19.56	1.70	29.63	19.69
								12.47	18.80	1.45	28.60	
M8 X 1.25	OSMB	5353	RS	7.1	12.7	12.70	12.85	12.57	19.56	1.70	35.31	19.69
								12.47	18.80	1.45	34.54	
M10 X 1.5	OSMB	10313	RS	0.5	7.1	15.09	15.24	14.91	22.73	2.36	31.32	19.69
								14.78	21.97	2.11	30.61	

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.

Rubber Nut

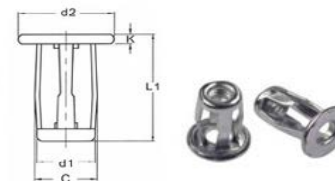
Material: Rubber



Treaded Size	Code No			L	Grip Size Min.	Grip Size Max.	Hole Size Min.	Hole Size Max.	d1	d2	k
M3 (#6)	ORMF	03126	R	12.6	0.40	4.00	7.90	8.20	7.90	11.00	1.20
	ORMF	03240	R	24.00	8.50	15.00	7.90	8.20	7.90	11.00	1.20
M4 (#8)	ORMF	04126	R	12.60	0.40	4.00	7.90	8.20	7.90	11.00	1.20
	ORMF	04240	R	24.00	8.50	14.00	7.90	8.20	7.90	11.00	1.20
M5 (#10)	ORMF	05110	R	11.00	0.50	1.50	9.60	9.80	9.60	12.70	1.50
	ORMF	05141	R	14.10	0.40	4.90	9.60	9.80	9.60	12.70	0.90
	ORMF	05170	R	17.00	0.85	5.90	9.60	9.80	9.60	14.00	1.00
	ORMF	05180	R	18.00	0.80	5.80	9.60	9.80	9.60	19.00	2.00
	ORMF	05209	R	20.95	0.80	5.80	9.60	9.80	9.60	18.95	4.70
	ORMF	05215	R	21.50	4.00	10.00	9.60	9.80	9.60	14.00	0.90
	ORMF	05265	R	26.50	7.90	15.00	9.60	9.80	9.60	14.00	1.30
	ORMF	05390	R	39.00	20.50	30.00	9.60	9.80	9.60	14.00	1.30
	ORMF	05440	R	44.00	25.00	32.00	9.60	9.80	9.60	14.00	1.20
M6 (1/4")	ORMF	06160	R	16.00	0.40	4.00	12.70	12.90	12.70	16.00	1.30
	ORMF	06211	R	21.10	0.80	4.70	12.70	12.90	12.70	19.05	4.75
	ORMF	06267	R	26.70	6.40	11.50	12.70	12.90	12.70	16.30	2.00
	ORMF	06350	R	35.00	11.50	23.00	13.00	13.20	13.00	16.00	1.30
	ORMF	06500	R	50.00	26.00	38.00	12.70	12.90	12.70	16.00	1.30
M8 (5/16")	ORMF	08183	R	18.30	0.40	4.00	15.90	16.10	15.90	21.50	3.20
	ORMF	08279	R	27.90	3.95	9.50	15.90	16.10	15.90	21.50	5.70
	ORMF	08300	R	30.00	2.00	18.00	18.00	18.20	18.00	20.50	2.00
	ORMF	08500	R	50.00	15.00	35.00	18.00	18.20	18.00	20.00	1.60
M10 (3/8")	ORMF	10550	R	55.00	19.00	38.00	20.00	20.20	20.00	22.50	1.30
M12 (1/2")	ORMF	12780	R	78.00	38.00	56.00	24.00	24.20	24.00	27.00	1.30

Jack Nut

Material: Steel **Finish:** Zinc



Treaded Size	Code No		L1	Grip Size	C	d1	d2	k
M4 S(1/8S)	JN	405	17	0-5	8	7.5	12	1.6
M4 L(1/8L)	JN	410	22	5-10	8	7.5	12	1.6
M5 S(3/16S)	JN	505	18	0-5	10	9	13.9	1.6
M5 L(3/16L)	JN	510	23	5-10	10	9	13.9	1.6
M6 S(1/4S)	JN	605	18	0-5	12	11	16	1.6
M6 L(1/4L)	JN	610	23	5-10	12	11	16	1.6

NOTE: STAINLESS STEEL & ALUMINIUM ARE AVAILABLE.
CLINCHING NUT / STUD / STAND OFF ARE AVAILABLE

Table of Forces

METRIC	Tensile (Kg)			Torque (Nm)			Shear (Kg)		
	Steel	Stainless Steel	Aluminium	Steel	Stainless Steel	Aluminium	Steel	Stainless Steel	Aluminium
	M-Series	M-Series	P-Series	M-Series	M-Series	P-Series	M-Series	M-Series	P-Series
	CSK Head	Flat Head	Reduced CSK Head	CSK Head	Flat Head	Reduced CSK Head	CSK Head	Flat Head	Reduced CSK Head
M3	500 (2.0mm)	-	186 (2.0mm)	3.0 (2.0mm)	-	2.6 (2.0mm)	101 (2.0mm)	-	92 (2.0mm)
M4	800 (2.0mm)	737 (3.0mm)	328 (2.0mm)	4.5 (2.0mm)	6.9 (3.0mm)	4.0 (2.0mm)	193 (2.0mm)	403 (2.0mm)	159 (2.0mm)
M5	1134 (2.0mm)	1341 (1.5mm)	536 (2.0mm)	5.4 (2.0mm)	11.7 (1.5mm)	6.3 (2.0mm)	280 (2.0mm)	461 (2.0mm)	158 (2.0mm)
M6	1839 (2.0mm)	2331 (2.0mm)	988 (2.0mm)	19.8 (2.0mm)	22.9 (2.0mm)	9.6 (2.0mm)	394 (2.0mm)	575 (2.0mm)	233 (2.0mm)
M8	2821 (2.0mm)	2735 (1.5mm)	1729 (2.0mm)	28 (2.0mm)	30.5 (1.5mm)	14.0 (2.0mm)	450 (2.0mm)	823 (2.0mm)	253 (2.0mm)
M10	3000 (2.0mm)	3600 (1.5mm)	2024 (2.0mm)	32 (2.0mm)	37.5 (1.5mm)	15.6 (2.0mm)	573 (2.0mm)	993 (2.0mm)	265 (2.0mm)



Ornit Bolt System

A two-piece high-strength connector for components accessible from both sides. The lock bolts are absolutely vibration-proof and offer high strength.

Standard



Heavy Duty



Multi Grip



Code Number for Bolt

<u>ORL</u>	<u>Z</u>	<u>B</u>	<u>6</u>	<u>2</u>
CODE: ORL	HEAD SHAPE:	MATERIAL:	SIZE:	GRIP NO
	BRAZIER HEAD:Z	CARBON= B	06=06/32=3/16	
	TRUSS HEAD:D	STAINLESS= U	08=08/32=1/4	
	90CSK HEAD:N	Alumiumm (2024)= C	10=10/32=5/16	
		Alumiumm (7075)= G	12=12/32=3/8	

Bolt Head Dimensions (imperial)

Dia (No)	Maximum Hole Size	A	Brazier Head (B)		Truss Head (B)		CSK Head (B)	
			B	C	B	C	B	C
3/16 (6)	.203	.191 - .195	.356 - .394	.113 - .125	.406 - .469	.078 - .088	.328 - .354	.075 - .085
1/4 (8)	.266	.254 - .259	.475 - .525	.136 - .152	.531 - .594	.103 - .115	.437 - .473	.101 - .113
5/16 (10)	.328	.317 - .322	.594 - .656	.181 - .201	.703 - .797	.127 - .141	.547 - .589	.127 - .141
3/8 (12)	.391	.380 - .385	.713 - .787	.223 - .248	.828 - .922	.152 - .168	.656 - .709	.152 - .168

Lock Bolt | *Trusshead*



Material: steel finish: Zinc Diameter: 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDB0602	1.529	1.404	1.467	1.617	1.482	0.063	0.188	782	748	0.198	0.203	0.193	0.469	0.406	0.438
ORLDB0603	1.591	1.466	1.529	1.679	1.544	0.125	0.250								
ORLDB0604	1.654	1.529	1.592	1.742	1.607	0.188	0.313								
ORLDB0605	1.716	1.591	1.654	1.804	1.669	0.250	0.375								
ORLDB0606	1.779	1.654	1.717	1.867	1.732	0.313	0.438								
ORLDB0607	1.841	1.716	1.779	1.929	1.794	0.375	0.500								
ORLDB0608	1.904	1.779	1.842	1.992	1.857	0.438	0.563								
ORLDB0609	1.966	1.841	1.904	2.054	1.919	0.500	0.625								
ORLDB0610	2.029	1.904	1.967	2.117	1.982	0.563	0.688								
ORLDB0611	2.091	1.966	2.029	2.179	2.044	0.625	0.750								
ORLDB0612	2.154	2.029	2.092	2.242	2.107	0.688	0.813								
ORLDB0613	2.216	2.091	2.154	2.304	2.169	0.750	0.875								
ORLDB0614	2.279	2.154	2.217	2.367	2.232	0.813	0.938								
ORLDB0615	2.341	2.216	2.279	2.429	2.294	0.875	1.000								
ORLDB0616	2.404	2.279	2.342	2.492	2.357	0.938	1.063								
ORLDB0617	2.466	2.341	2.404	2.554	2.419	1.000	1.125								
ORLDB0618	2.529	2.404	2.467	2.617	2.482	1.063	1.188								
ORLDB0619	2.591	2.466	2.529	2.679	2.544	1.125	1.250								
ORLDB0620	2.654	2.529	2.592	2.742	2.607	1.188	1.313								

Lock Bolt | *Trusshead*



Material: steel finish: Zinc Diameter: 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDB0802	1.645	1.520	1.583	1.760	1.623	0.063	0.188	1383	1361	0.261	0.266	0.256	0.594	0.531	0.563
ORLDB0803	1.708	1.583	1.646	1.823	1.686	0.125	0.250								
ORLDB0804	1.770	1.645	1.708	1.885	1.748	0.188	0.313								
ORLDB0805	1.833	1.708	1.771	1.948	1.811	0.250	0.375								
ORLDB0806	1.895	1.770	1.833	2.010	1.873	0.313	0.438								
ORLDB0807	1.958	1.833	1.896	2.073	1.936	0.375	0.500								
ORLDB0808	2.020	1.895	1.958	2.135	1.998	0.438	0.563								
ORLDB0809	2.083	1.958	2.021	2.198	2.061	0.500	0.625								
ORLDB0810	2.145	2.020	2.083	2.260	2.123	0.563	0.688								
ORLDB0811	2.208	2.083	2.146	2.323	2.186	0.625	0.750								
ORLDB0812	2.270	2.145	2.208	2.385	2.248	0.688	0.813								
ORLDB0813	2.333	2.208	2.271	2.448	2.311	0.750	0.875								
ORLDB0814	2.395	2.270	2.333	2.510	2.373	0.813	0.938								
ORLDB0815	2.458	2.333	2.396	2.573	2.436	0.875	1.000								
ORLDB0816	2.520	2.395	2.458	2.635	2.498	0.938	1.063								
ORLDB0817	2.583	2.458	2.521	2.698	2.561	1.000	1.125								
ORLDB0818	2.645	2.520	2.583	2.760	2.623	1.063	1.188								
ORLDB0819	2.708	2.583	2.646	2.823	2.686	1.125	1.250								
ORLDB0820	2.770	2.645	2.708	2.885	2.748	1.188	1.313								

Lock Bolt | *Trusshead*

Material: steel finish: Zinc Diameter: 5/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDB1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	2143	2087	0.323	0.328	0.318	0.797	0.703	0.750
ORLDB1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLDB1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLDB1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLDB1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLDB1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLDB1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLDB1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLDB1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *Trusshead*

Material: steel finish: Zinc Diameter: 3/8



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDB1204	2.246	2.121	2.184	2.414	2.273	0.125	0.375	3096	2948	0.386	0.391	0.381	0.922	0.828	0.875
ORLDB1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500								
ORLDB1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLDB1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLDB1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLDB1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLDB1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLDB1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLDB1220	3.246	3.121	3.184	3.414	3.273	1.125	1.375								

Lock Bolt | Braizier head

Material: steel finish: Zinc Diameter: 3/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZB0602	1.529	1.404	1.467	1.654	1.517	0.063	0.188	782	748	0.198	0.203	0.193	0.394	0.356	0.375
ORLZB0603	1.591	1.466	1.529	1.716	1.579	0.125	0.250								
ORLZB0604	1.654	1.529	1.592	1.779	1.642	0.188	0.313								
ORLZB0605	1.716	1.591	1.654	1.841	1.704	0.250	0.375								
ORLZB0606	1.779	1.654	1.717	1.904	1.767	0.313	0.438								
ORLZB0607	1.841	1.716	1.779	1.966	1.829	0.375	0.500								
ORLZB0608	1.904	1.779	1.842	2.029	1.892	0.438	0.563								
ORLZB0609	1.966	1.841	1.904	2.091	1.954	0.500	0.625								
ORLZB0610	2.029	1.904	1.967	2.154	2.017	0.563	0.688								
ORLZB0611	2.091	1.966	2.029	2.216	2.079	0.625	0.750								
ORLZB0612	2.154	2.029	2.092	2.279	2.142	0.688	0.813								
ORLZB0613	2.216	2.091	2.154	2.341	2.204	0.750	0.875								
ORLZB0614	2.279	2.154	2.217	2.404	2.267	0.813	0.938								
ORLZB0615	2.341	2.216	2.279	2.466	2.329	0.875	1.000								
ORLZB0616	2.404	2.279	2.342	2.529	2.392	0.938	1.063								
ORLZB0617	2.466	2.341	2.404	2.591	2.454	1.000	1.125								
ORLZB0618	2.529	2.404	2.467	2.654	2.517	1.063	1.188								
ORLZB0619	2.591	2.466	2.529	2.716	2.579	1.125	1.250								
ORLZB0620	2.654	2.529	2.592	2.779	2.642	1.188	1.313								

Lock Bolt | Braizier head

Material: steel finish: Zinc Diameter: 1/4



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZB0802	1.645	1.520	1.583	1.797	1.656	0.063	0.188	1383	1361	0.261	0.266	0.256	0.525	0.475	0.500
ORLZB0803	1.708	1.583	1.646	1.860	1.719	0.125	0.250								
ORLZB0804	1.770	1.645	1.708	1.922	1.781	0.188	0.313								
ORLZB0805	1.833	1.708	1.771	1.985	1.844	0.250	0.375								
ORLZB0806	1.895	1.770	1.833	2.047	1.906	0.313	0.438								
ORLZB0807	1.958	1.833	1.896	2.110	1.969	0.375	0.500								
ORLZB0808	2.020	1.895	1.958	2.172	2.031	0.438	0.563								
ORLZB0809	2.083	1.958	2.021	2.235	2.094	0.500	0.625								
ORLZB0810	2.145	2.020	2.083	2.297	2.156	0.563	0.688								
ORLZB0811	2.208	2.083	2.146	2.360	2.219	0.625	0.750								
ORLZB0812	2.270	2.145	2.208	2.422	2.281	0.688	0.813								
ORLZB0813	2.333	2.208	2.271	2.485	2.344	0.750	0.875								
ORLZB0814	2.395	2.270	2.333	2.547	2.406	0.813	0.938								
ORLZB0815	2.458	2.333	2.396	2.610	2.469	0.875	1.000								
ORLZB0816	2.520	2.395	2.458	2.672	2.531	0.938	1.063								
ORLZB0817	2.583	2.458	2.521	2.735	2.594	1.000	1.125								
ORLZB0818	2.645	2.520	2.583	2.797	2.656	1.063	1.188								
ORLZB0819	2.708	2.583	2.646	2.860	2.719	1.125	1.250								
ORLZB0820	2.770	2.645	2.708	2.922	2.781	1.188	1.313								

Lock Bolt | Braizier head



Material: steel finish: Zinc Diameter: 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZB1004	2.036	1.911	1.974	2.237	2.092	0.125	0.375	2143	2087	0.323	0.328	0.318	0.656	0.594	0.625
ORLZB1006	2.160	2.035	2.098	2.361	2.216	0.250	0.500								
ORLZB1008	2.285	2.160	2.223	2.486	2.341	0.375	0.625								
ORLZB1010	2.410	2.285	2.348	2.611	2.466	0.500	0.750								
ORLZB1012	2.535	2.410	2.473	2.736	2.591	0.625	0.875								
ORLZB1014	2.660	2.535	2.598	2.861	2.716	0.750	1.000								
ORLZB1016	2.785	2.660	2.723	2.986	2.841	0.875	1.125								
ORLZB1018	2.910	2.785	2.848	3.111	2.966	1.000	1.250								
ORLZB1020	3.035	2.910	2.973	3.236	3.091	1.125	1.375								

Lock Bolt | Braizier head

Material: steel finish: Zinc Diameter: 3/8



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZB1204	2.246	2.121	2.184	2.494	2.344	0.125	0.375	3096	2948	0.386	0.391	0.381	0.787	0.713	0.750
ORLZB1206	2.371	2.246	2.309	2.619	2.469	0.250	0.500								
ORLZB1208	2.496	2.371	2.434	2.744	2.594	0.375	0.625								
ORLZB1210	2.621	2.496	2.559	2.869	2.719	0.500	0.750								
ORLZB1212	2.746	2.621	2.684	2.994	2.844	0.625	0.875								
ORLZB1214	2.871	2.746	2.809	3.119	2.969	0.750	1.000								
ORLZB1216	2.996	2.871	2.934	3.244	3.094	0.875	1.125								
ORLZB1218	3.121	2.996	3.059	3.369	3.219	1.000	1.250								
ORLZB1220	3.246	3.121	3.184	3.494	3.344	1.125	1.375								

Lock Bolt | *csk head*

Material: steel finish: Zinc Diameter: 3/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNBO603	1.591	1.466	1.529	1.676	1.541	0.125	0.250	782	748	0.198	0.203	0.193	0.394	0.356	0.375
ORLNBO604	1.654	1.529	1.592	1.739	1.604	0.188	0.313								
ORLNBO605	1.716	1.591	1.654	1.801	1.666	0.250	0.375								
ORLNBO606	1.779	1.654	1.717	1.864	1.729	0.313	0.438								
ORLNBO607	1.841	1.716	1.779	1.926	1.791	0.375	0.500								
ORLNBO608	1.904	1.779	1.842	1.989	1.854	0.438	0.563								
ORLNBO609	1.966	1.841	1.904	2.051	1.916	0.500	0.625								
ORLNBO610	2.029	1.904	1.967	2.114	1.979	0.563	0.688								
ORLNBO611	2.091	1.966	2.029	2.176	2.041	0.625	0.750								
ORLNBO612	2.154	2.029	2.092	2.239	2.104	0.688	0.813								
ORLNBO613	2.216	2.091	2.154	2.301	2.166	0.750	0.875								
ORLNBO614	2.279	2.154	2.217	2.364	2.229	0.813	0.938								
ORLNBO615	2.341	2.216	2.279	2.426	2.291	0.875	1.000								
ORLNBO616	2.404	2.279	2.342	2.489	2.354	0.938	1.063								
ORLNBO617	2.466	2.341	2.404	2.551	2.416	1.000	1.125								
ORLNBO618	2.529	2.404	2.467	2.614	2.479	1.063	1.188								
ORLNBO619	2.591	2.466	2.529	2.676	2.541	1.125	1.250								
ORLNBO620	2.654	2.529	2.592	2.739	2.604	1.188	1.313								

Lock Bolt | *csk head*

Material: steel finish: Zinc Diameter: 1/4



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNB0803	1.708	1.583	1.646	1.821	1.684	0.125	0.250	1383	1361	0.261	0.266	0.256	0.525	0.475	0.500
ORLNB0804	1.770	1.645	1.708	1.883	1.746	0.188	0.313								
ORLNB0805	1.833	1.708	1.771	1.946	1.809	0.250	0.375								
ORLNB0806	1.895	1.770	1.833	2.008	1.871	0.313	0.438								
ORLNB0807	1.958	1.833	1.896	2.071	1.934	0.375	0.500								
ORLNB0808	2.020	1.895	1.958	2.133	1.996	0.438	0.563								
ORLNB0809	2.083	1.958	2.021	2.196	2.059	0.500	0.625								
ORLNB0810	2.145	2.020	2.083	2.258	2.121	0.563	0.688								
ORLNB0811	2.208	2.083	2.146	2.321	2.184	0.625	0.750								
ORLNB0812	2.270	2.145	2.208	2.383	2.246	0.688	0.813								
ORLNB0813	2.333	2.208	2.271	2.446	2.309	0.750	0.875								
ORLNB0814	2.395	2.270	2.333	2.508	2.371	0.813	0.938								
ORLNB0815	2.458	2.333	2.396	2.571	2.434	0.875	1.000								
ORLNB0816	2.520	2.395	2.458	2.633	2.496	0.938	1.063								
ORLNB0817	2.583	2.458	2.521	2.696	2.559	1.000	1.125								
ORLNB0818	2.645	2.520	2.583	2.758	2.621	1.063	1.188								
ORLNB0819	2.708	2.583	2.646	2.821	2.684	1.125	1.250								
ORLNB0820	2.770	2.645	2.708	2.883	2.746	1.188	1.313								

Lock Bolt | *csk head*

Material: steel finish: Zinc Diameter: 5/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNB1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	2143	2087	0.323	0.328	0.318	0.589	0.547	0.568
ORLNB1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLNB1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLNB1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLNB1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLNB1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLNB1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLNB1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLNB1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *csk head*

Material: steel finish: Zinc Diameter: 3/8



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNB1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500	3096	2948	0.386	0.391	0.381	0.787	0.713	0.750
ORLNB1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLNB1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLNB1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLNB1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLNB1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLNB1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLNB1220	3.246	3.121	3.184	3.494	3.344	1.125	1.375								

Lock Bolt | Braizierhead



Material: stainless steel **finish:** Natural **Diameter:** 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZU0602	1.529	1.404	1.467	1.654	1.517	0.063	0.188	907	660	0.198	0.203	0.193	0.394	0.356	0.375
ORLZU0603	1.591	1.466	1.529	1.716	1.579	0.125	0.250								
ORLZU0604	1.654	1.529	1.592	1.779	1.642	0.188	0.313								
ORLZU0605	1.716	1.591	1.654	1.841	1.704	0.250	0.375								
ORLZU0606	1.779	1.654	1.717	1.904	1.767	0.313	0.438								
ORLZU0607	1.841	1.716	1.779	1.966	1.829	0.375	0.500								
ORLZU0608	1.904	1.779	1.842	2.029	1.892	0.438	0.563								
ORLZU0609	1.966	1.841	1.904	2.091	1.954	0.500	0.625								
ORLZU0610	2.029	1.904	1.967	2.154	2.017	0.563	0.688								
ORLZU0611	2.091	1.966	2.029	2.216	2.079	0.625	0.750								
ORLZU0612	2.154	2.029	2.092	2.279	2.142	0.688	0.813								
ORLZU0613	2.216	2.091	2.154	2.341	2.204	0.750	0.875								
ORLZU0614	2.279	2.154	2.217	2.404	2.267	0.813	0.938								
ORLZU0615	2.341	2.216	2.279	2.466	2.329	0.875	1.000								
ORLZU0616	2.404	2.279	2.342	2.529	2.392	0.938	1.063								
ORLZU0617	2.466	2.341	2.404	2.591	2.454	1.000	1.125								
ORLZU0618	2.529	2.404	2.467	2.654	2.517	1.063	1.188								
ORLZU0619	2.591	2.466	2.529	2.716	2.579	1.125	1.250								
ORLZU0620	2.654	2.529	2.592	2.779	2.642	1.188	1.313								

Lock Bolt | Braizierhead



Material: stainless steel **finish:** Natural **Diameter:** 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZU0802	1.645	1.520	1.583	1.797	1.656	0.063	0.188	850	816	0.261	0.266	0.256	0.525	0.475	0.500
ORLZU0803	1.708	1.583	1.646	1.860	1.719	0.125	0.250								
ORLZU0804	1.770	1.645	1.708	1.922	1.781	0.188	0.313								
ORLZU0805	1.833	1.708	1.771	1.985	1.844	0.250	0.375								
ORLZU0806	1.895	1.770	1.833	2.047	1.906	0.313	0.438								
ORLZU0807	1.958	1.833	1.896	2.110	1.969	0.375	0.500								
ORLZU0808	2.020	1.895	1.958	2.172	2.031	0.438	0.563								
ORLZU0809	2.083	1.958	2.021	2.235	2.094	0.500	0.625								
ORLZU0810	2.145	2.020	2.083	2.297	2.156	0.563	0.688								
ORLZU0811	2.208	2.083	2.146	2.360	2.219	0.625	0.750								
ORLZU0812	2.270	2.145	2.208	2.422	2.281	0.688	0.813								
ORLZU0813	2.333	2.208	2.271	2.485	2.344	0.750	0.875								
ORLZU0814	2.395	2.270	2.333	2.547	2.406	0.813	0.938								
ORLZU0815	2.458	2.333	2.396	2.610	2.469	0.875	1.000								
ORLZU0816	2.520	2.395	2.458	2.672	2.531	0.938	1.063								
ORLZU0817	2.583	2.458	2.521	2.735	2.594	1.000	1.125								
ORLZU0818	2.645	2.520	2.583	2.797	2.656	1.063	1.188								
ORLZU0819	2.708	2.583	2.646	2.860	2.719	1.125	1.250								
ORLZU0820	2.770	2.645	2.708	2.922	2.781	1.188	1.313								

Lock Bolt | Braizierhead



Material: stainless steel **finish:** Natural **Diameter:** 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZU1004	2.036	1.911	1.974	2.237	2.092	0.125	0.375	2506	1928	0.323	0.328	0.318	0.656	0.594	0.625
ORLZU1006	2.160	2.035	2.098	2.361	2.216	0.250	0.500								
ORLZU1008	2.285	2.160	2.223	2.486	2.341	0.375	0.625								
ORLZU1010	2.410	2.285	2.348	2.611	2.466	0.500	0.750								
ORLZU1012	2.535	2.410	2.473	2.736	2.591	0.625	0.875								
ORLZU1014	2.660	2.535	2.598	2.861	2.716	0.750	1.000								
ORLZU1016	2.785	2.660	2.723	2.986	2.841	0.875	1.125								
ORLZU1018	2.910	2.785	2.848	3.111	2.966	1.000	1.250								
ORLZU1020	3.035	2.910	2.973	3.236	3.091	1.125	1.375								

Lock Bolt | Braizierhead



Material: stainless steel **finish:** Natural **Diameter:** 3/8

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZU1204	2.246	2.121	2.184	2.494	2.344	0.125	0.375	3606	2767	0.386	0.391	0.381	0.787	0.713	0.750
ORLZU1206	2.371	2.246	2.309	2.619	2.469	0.250	0.500								
ORLZU1208	2.496	2.371	2.434	2.744	2.594	0.375	0.625								
ORLZU1210	2.621	2.496	2.559	2.869	2.719	0.500	0.750								
ORLZU1212	2.746	2.621	2.684	2.994	2.844	0.625	0.875								
ORLZU1214	2.871	2.746	2.809	3.119	2.969	0.750	1.000								
ORLZU1216	2.996	2.871	2.934	3.244	3.094	0.875	1.125								
ORLZU1218	3.121	2.996	3.059	3.369	3.219	1.000	1.250								
ORLZU1220	3.246	3.121	3.184	3.494	3.344	1.125	1.375								

Lock Bolt | *Trusshead*



Material: stainless steel **finish:** Natural **Diameter:** 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDU0602	1.529	1.404	1.467	1.617	1.482	0.063	0.188	907	660	0.198	0.203	0.193	0.469	0.406	0.438
ORLDU0603	1.591	1.466	1.529	1.679	1.544	0.125	0.250								
ORLDU0604	1.654	1.529	1.592	1.742	1.607	0.188	0.313								
ORLDU0605	1.716	1.591	1.654	1.804	1.669	0.250	0.375								
ORLDU0606	1.779	1.654	1.717	1.867	1.732	0.313	0.438								
ORLDU0607	1.841	1.716	1.779	1.929	1.794	0.375	0.500								
ORLDU0608	1.904	1.779	1.842	1.992	1.857	0.438	0.563								
ORLDU0609	1.966	1.841	1.904	2.054	1.919	0.500	0.625								
ORLDU0610	2.029	1.904	1.967	2.117	1.982	0.563	0.688								
ORLDU0611	2.091	1.966	2.029	2.179	2.044	0.625	0.750								
ORLDU0612	2.154	2.029	2.092	2.242	2.107	0.688	0.813								
ORLDU0613	2.216	2.091	2.154	2.304	2.169	0.750	0.875								
ORLDU0614	2.279	2.154	2.217	2.367	2.232	0.813	0.938								
ORLDU0615	2.341	2.216	2.279	2.429	2.294	0.875	1.000								
ORLDU0616	2.404	2.279	2.342	2.492	2.357	0.938	1.063								
ORLDU0617	2.466	2.341	2.404	2.554	2.419	1.000	1.125								
ORLDU0618	2.529	2.404	2.467	2.617	2.482	1.063	1.188								
ORLDU0619	2.591	2.466	2.529	2.679	2.544	1.125	1.250								
ORLDU0620	2.654	2.529	2.592	2.742	2.607	1.188	1.313								

Lock Bolt | *Trusshead*



Material: stainless steel **finish:** Natural **Diameter:** 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDU0802	1.645	1.520	1.583	1.760	1.623	0.063	0.188	850	816	0.261	0.266	0.256	0.594	0.531	0.563
ORLDU0803	1.708	1.583	1.646	1.823	1.686	0.125	0.250								
ORLDU0804	1.770	1.645	1.708	1.885	1.748	0.188	0.313								
ORLDU0805	1.833	1.708	1.771	1.948	1.811	0.250	0.375								
ORLDU0806	1.895	1.770	1.833	2.010	1.873	0.313	0.438								
ORLDU0807	1.958	1.833	1.896	2.073	1.936	0.375	0.500								
ORLDU0808	2.020	1.895	1.958	2.135	1.998	0.438	0.563								
ORLDU0809	2.083	1.958	2.021	2.198	2.061	0.500	0.625								
ORLDU0810	2.145	2.020	2.083	2.260	2.123	0.563	0.688								
ORLDU0811	2.208	2.083	2.146	2.323	2.186	0.625	0.750								
ORLDU0812	2.270	2.145	2.208	2.385	2.248	0.688	0.813								
ORLDU0813	2.333	2.208	2.271	2.448	2.311	0.750	0.875								
ORLDU0814	2.395	2.270	2.333	2.510	2.373	0.813	0.938								
ORLDU0815	2.458	2.333	2.396	2.573	2.436	0.875	1.000								
ORLDU0816	2.520	2.395	2.458	2.635	2.498	0.938	1.063								
ORLDU0817	2.583	2.458	2.521	2.698	2.561	1.000	1.125								
ORLDU0818	2.645	2.520	2.583	2.760	2.623	1.063	1.188								
ORLDU0819	2.708	2.583	2.646	2.823	2.686	1.125	1.250								
ORLDU0820	2.770	2.645	2.708	2.885	2.748	1.188	1.313								

Lock Bolt | *Trusshead*



Material: stainless steel **finish:** Natural **Diameter:** 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDU1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	2506	1928	0.323	0.328	0.318	0.797	0.703	0.750
ORLDU1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLDU1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLDU1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLDU1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLDU1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLDU1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLDU1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLDU1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *Trusshead*



Material: stainless steel **finish:** Natural **Diameter:** 3/8

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDU1204	2.246	2.121	2.184	2.414	2.273	0.125	0.375	3606	2767	0.386	0.391	0.381	0.922	0.828	0.875
ORLDU1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500								
ORLDU1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLDU1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLDU1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLDU1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLDU1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLDU1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLDU1220	3.246	3.121	3.184	3.414	3.273	1.125	1.375								

Lock Bolt | *csk head*



Material: stainless steel **finish:** Natural **Diameter:** 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNU0603	1.591	1.466	1.529	1.676	1.541	0.125	0.250	782	748	0.198	0.203	0.193	0.394	0.356	0.375
ORLNU0604	1.654	1.529	1.592	1.739	1.604	0.188	0.313								
ORLNU0605	1.716	1.591	1.654	1.801	1.666	0.250	0.375								
ORLNU0606	1.779	1.654	1.717	1.864	1.729	0.313	0.438								
ORLNU0607	1.841	1.716	1.779	1.926	1.791	0.375	0.500								
ORLNU0608	1.904	1.779	1.842	1.989	1.854	0.438	0.563								
ORLNU0609	1.966	1.841	1.904	2.051	1.916	0.500	0.625								
ORLNU0610	2.029	1.904	1.967	2.114	1.979	0.563	0.688								
ORLNU0611	2.091	1.966	2.029	2.176	2.041	0.625	0.750								
ORLNU0612	2.154	2.029	2.092	2.239	2.104	0.688	0.813								
ORLNU0613	2.216	2.091	2.154	2.301	2.166	0.750	0.875								
ORLNU0614	2.279	2.154	2.217	2.364	2.229	0.813	0.938								
ORLNU0615	2.341	2.216	2.279	2.426	2.291	0.875	1.000								
ORLNU0616	2.404	2.279	2.342	2.489	2.354	0.938	1.063								
ORLNU0617	2.466	2.341	2.404	2.551	2.416	1.000	1.125								
ORLNU0618	2.529	2.404	2.467	2.614	2.479	1.063	1.188								
ORLNU0619	2.591	2.466	2.529	2.676	2.541	1.125	1.250								
ORLNU0620	2.654	2.529	2.592	2.739	2.604	1.188	1.313								

Lock Bolt | *csk head*



Material: stainless steel **finish:** Natural **Diameter:** 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNU0803	1.708	1.583	1.646	1.821	1.684	0.125	0.250	1383	1361	0.261	0.266	0.256	0.525	0.475	0.500
ORLNU0804	1.770	1.645	1.708	1.883	1.746	0.188	0.313								
ORLNU0805	1.833	1.708	1.771	1.946	1.809	0.250	0.375								
ORLNU0806	1.895	1.770	1.833	2.008	1.871	0.313	0.438								
ORLNU0807	1.958	1.833	1.896	2.071	1.934	0.375	0.500								
ORLNU0808	2.020	1.895	1.958	2.133	1.996	0.438	0.563								
ORLNU0809	2.083	1.958	2.021	2.196	2.059	0.500	0.625								
ORLNU0810	2.145	2.020	2.083	2.258	2.121	0.563	0.688								
ORLNU0811	2.208	2.083	2.146	2.321	2.184	0.625	0.750								
ORLNU0812	2.270	2.145	2.208	2.383	2.246	0.688	0.813								
ORLNU0813	2.333	2.208	2.271	2.446	2.309	0.750	0.875								
ORLNU0814	2.395	2.270	2.333	2.508	2.371	0.813	0.938								
ORLNU0815	2.458	2.333	2.396	2.571	2.434	0.875	1.000								
ORLNU0816	2.520	2.395	2.458	2.633	2.496	0.938	1.063								
ORLNU0817	2.583	2.458	2.521	2.696	2.559	1.000	1.125								
ORLNU0818	2.645	2.520	2.583	2.758	2.621	1.063	1.188								
ORLNU0819	2.708	2.583	2.646	2.821	2.684	1.125	1.250								
ORLNU0820	2.770	2.645	2.708	2.883	2.746	1.188	1.313								

Lock Bolt | *csk head*



Material: stainless steel **finish:** Natural **Diameter:** 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNU1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	2143	2087	0.323	0.328	0.318	0.589	0.547	0.568
ORLNU1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLNU1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLNU1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLNU1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLNU1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLNU1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLNU1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLNU1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *csk head*



Material: stainless steel **finish:** Natural **Diameter:** 3/8

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNU1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500	3096	2948	0.386	0.391	0.381	0.787	0.713	0.750
ORLNU1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLNU1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLNU1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLNU1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLNU1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLNU1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLNU1220	3.246	3.121	3.184	3.414	3.273	1.125	1.375								

Lock Bolt | *Trusshead*



Material: Aluminum **finish:** Natural **Diameter:** 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDC0602	1.591	1.466	1.529	1.676	1.541	0.125	0.250	476	454	0.198	0.203	0.193	0.469	0.406	0.438
ORLDC0603	1.654	1.529	1.592	1.739	1.604	0.188	0.313								
ORLDC0604	1.716	1.591	1.654	1.801	1.666	0.250	0.375								
ORLDC0605	1.779	1.654	1.717	1.864	1.729	0.313	0.438								
ORLDC0606	1.841	1.716	1.779	1.926	1.791	0.375	0.500								
ORLDC0607	1.904	1.779	1.842	1.989	1.854	0.438	0.563								
ORLDC0608	1.966	1.841	1.904	2.051	1.916	0.500	0.625								
ORLDC0609	2.029	1.904	1.967	2.114	1.979	0.563	0.688								
ORLDC0610	2.091	1.966	2.029	2.176	2.041	0.625	0.750								
ORLDC0611	2.154	2.029	2.092	2.239	2.104	0.688	0.813								
ORLDC0612	2.216	2.091	2.154	2.301	2.166	0.750	0.875								
ORLDC0613	2.279	2.154	2.217	2.364	2.229	0.813	0.938								
ORLDC0614	2.341	2.216	2.279	2.426	2.291	0.875	1.000								
ORLDC0615	2.404	2.279	2.342	2.489	2.354	0.938	1.063								
ORLDC0616	2.466	2.341	2.404	2.551	2.416	1.000	1.125								
ORLDC0617	2.529	2.404	2.467	2.614	2.479	1.063	1.188								
ORLDC0618	2.591	2.466	2.529	2.676	2.541	1.125	1.250								
ORLDC0619	2.654	2.529	2.592	2.739	2.604	1.188	1.313								
ORLDC0620	2.654	2.529	2.592	2.742	2.607	1.188	1.313								

Lock Bolt | *Trusshead*



Material: Aluminum **finish:** Natural **Diameter:** 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDC0802	1.645	1.520	1.583	1.760	1.623	0.063	0.188	1701	1610	0.261	0.266	0.256	0.594	0.531	0.563
ORLDC0803	1.708	1.583	1.646	1.823	1.686	0.125	0.250								
ORLDC0804	1.770	1.645	1.708	1.885	1.748	0.188	0.313								
ORLDC0805	1.833	1.708	1.771	1.948	1.811	0.250	0.375								
ORLDC0806	1.895	1.770	1.833	2.010	1.873	0.313	0.438								
ORLDC0807	1.958	1.833	1.896	2.073	1.936	0.375	0.500								
ORLDC0808	2.020	1.895	1.958	2.135	1.998	0.438	0.563								
ORLDC0809	2.083	1.958	2.021	2.198	2.061	0.500	0.625								
ORLDC0810	2.145	2.020	2.083	2.260	2.123	0.563	0.688								
ORLDC0811	2.208	2.083	2.146	2.323	2.186	0.625	0.750								
ORLDC0812	2.270	2.145	2.208	2.385	2.248	0.688	0.813								
ORLDC0813	2.333	2.208	2.271	2.448	2.311	0.750	0.875								
ORLDC0814	2.395	2.270	2.333	2.510	2.373	0.813	0.938								
ORLDC0815	2.458	2.333	2.396	2.573	2.436	0.875	1.000								
ORLDC0816	2.520	2.395	2.458	2.635	2.498	0.938	1.063								
ORLDC0817	2.583	2.458	2.521	2.698	2.561	1.000	1.125								
ORLDC0818	2.645	2.520	2.583	2.760	2.623	1.063	1.188								
ORLDC0819	2.708	2.583	2.646	2.823	2.686	1.125	1.250								
ORLDC0820	2.770	2.645	2.708	2.885	2.748	1.188	1.313								

Lock Bolt | *Trusshead*



Material: Aluminum **finish:** Natural **Diameter:** 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDC1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	1327	1293	0.323	0.328	0.318	0.797	0.703	0.750
ORLDC1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLDC1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLDC1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLDC1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLDC1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLDC1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLDC1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLDC1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *Trusshead*



Material: Aluminum **finish:** Natural **Diameter:** 3/8

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLDC1204	2.246	2.121	2.184	2.414	2.273	0.125	0.375	1905	1905	0.386	0.391	0.381	0.922	0.828	0.875
ORLDC1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500								
ORLDC1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLDC1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLDC1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLDC1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLDC1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLDC1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLDC1220	3.246	3.121	3.184	3.414	3.273	1.125	1.375								

Lock Bolt | Braizierhead

Material: Aluminum finish: Natural Diameter: 3/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZC0602	1.529	1.404	1.467	1.654	1.517	0.063	0.188	476	454	0.198	0.203	0.193	0.394	0.356	0.375
ORLZC0603	1.591	1.466	1.529	1.716	1.579	0.125	0.250								
ORLZC0604	1.654	1.529	1.592	1.779	1.642	0.188	0.313								
ORLZC0605	1.716	1.591	1.654	1.841	1.704	0.250	0.375								
ORLZC0606	1.779	1.654	1.717	1.904	1.767	0.313	0.438								
ORLZC0607	1.841	1.716	1.779	1.966	1.829	0.375	0.500								
ORLZC0608	1.904	1.779	1.842	2.029	1.892	0.438	0.563								
ORLZC0609	1.966	1.841	1.904	2.091	1.954	0.500	0.625								
ORLZC0610	2.029	1.904	1.967	2.154	2.017	0.563	0.688								
ORLZC0611	2.091	1.966	2.029	2.216	2.079	0.625	0.750								
ORLZC0612	2.154	2.029	2.092	2.279	2.142	0.688	0.813								
ORLZC0613	2.216	2.091	2.154	2.341	2.204	0.750	0.875								
ORLZC0614	2.279	2.154	2.217	2.404	2.267	0.813	0.938								
ORLZC0615	2.341	2.216	2.279	2.466	2.329	0.875	1.000								
ORLZC0616	2.404	2.279	2.342	2.529	2.392	0.938	1.063								
ORLZC0617	2.466	2.341	2.404	2.591	2.454	1.000	1.125								
ORLZC0618	2.529	2.404	2.467	2.654	2.517	1.063	1.188								
ORLZC0619	2.591	2.466	2.529	2.716	2.579	1.125	1.250								
ORLZC0620	2.654	2.529	2.592	2.779	2.642	1.188	1.313								

Lock Bolt | Braizierhead

Material: Aluminum finish: Natural Diameter: 1/4



STANDARD BOLTS

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZC0802	1.645	1.520	1.583	1.797	1.656	0.063	0.188	1701	1610	0.261	0.266	0.256	0.525	0.475	0.500
ORLZC0803	1.708	1.583	1.646	1.860	1.719	0.125	0.250								
ORLZC0804	1.770	1.645	1.708	1.922	1.781	0.188	0.313								
ORLZC0805	1.833	1.708	1.771	1.985	1.844	0.250	0.375								
ORLZC0806	1.895	1.770	1.833	2.047	1.906	0.313	0.438								
ORLZC0807	1.958	1.833	1.896	2.110	1.969	0.375	0.500								
ORLZC0808	2.020	1.895	1.958	2.172	2.031	0.438	0.563								
ORLZC0809	2.083	1.958	2.021	2.235	2.094	0.500	0.625								
ORLZC0810	2.145	2.020	2.083	2.297	2.156	0.563	0.688								
ORLZC0811	2.208	2.083	2.146	2.360	2.219	0.625	0.750								
ORLZC0812	2.270	2.145	2.208	2.422	2.281	0.688	0.813								
ORLZC0813	2.333	2.208	2.271	2.485	2.344	0.750	0.875								
ORLZC0814	2.395	2.270	2.333	2.547	2.406	0.813	0.938								
ORLZC0815	2.458	2.333	2.396	2.610	2.469	0.875	1.000								
ORLZC0816	2.520	2.395	2.458	2.672	2.531	0.938	1.063								
ORLZC0817	2.583	2.458	2.521	2.735	2.594	1.000	1.125								
ORLZC0818	2.645	2.520	2.583	2.797	2.656	1.063	1.188								
ORLZC0819	2.708	2.583	2.646	2.860	2.719	1.125	1.250								
ORLZC0820	2.770	2.645	2.708	2.922	2.781	1.188	1.313								

Lock Bolt | Braizierhead



Material: Aluminum **finish:** Natural **Diameter:** 5/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZC1004	2.036	1.911	1.974	2.237	2.092	0.125	0.375	1327	1293	0.323	0.328	0.318	0.656	0.594	0.625
ORLZC1006	2.160	2.035	2.098	2.361	2.216	0.250	0.500								
ORLZC1008	2.285	2.160	2.223	2.486	2.341	0.375	0.625								
ORLZC1010	2.410	2.285	2.348	2.611	2.466	0.500	0.750								
ORLZC1012	2.535	2.410	2.473	2.736	2.591	0.625	0.875								
ORLZC1014	2.660	2.535	2.598	2.861	2.716	0.750	1.000								
ORLZC1016	2.785	2.660	2.723	2.986	2.841	0.875	1.125								
ORLZC1018	2.910	2.785	2.848	3.111	2.966	1.000	1.250								
ORLZC1020	3.035	2.910	2.973	3.236	3.091	1.125	1.375								

Lock Bolt | Braizierhead



Material: Aluminum **finish:** Natural **Diameter:** 3/8

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLZC1204	2.246	2.121	2.184	2.494	2.344	0.125	0.375	1905	1905	0.386	0.391	0.381	0.787	0.713	0.750
ORLZC1206	2.371	2.246	2.309	2.619	2.469	0.250	0.500								
ORLZC1208	2.496	2.371	2.434	2.744	2.594	0.375	0.625								
ORLZC1210	2.621	2.496	2.559	2.869	2.719	0.500	0.750								
ORLZC1212	2.746	2.621	2.684	2.994	2.844	0.625	0.875								
ORLZC1214	2.871	2.746	2.809	3.119	2.969	0.750	1.000								
ORLZC1216	2.996	2.871	2.934	3.244	3.094	0.875	1.125								
ORLZC1218	3.121	2.996	3.059	3.369	3.219	1.000	1.250								
ORLZC1220	3.246	3.121	3.184	3.494	3.344	1.125	1.375								

Lock Bolt | *csk head*



Material: Aluminum **finish:** Natural **Diameter:** 3/16

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNC0603	1.591	1.466	1.529	1.676	1.541	0.125	0.250	782	748	0.198	0.203	0.193	0.394	0.356	0.375
ORLNC0604	1.654	1.529	1.592	1.739	1.604	0.188	0.313								
ORLNC0605	1.716	1.591	1.654	1.801	1.666	0.250	0.375								
ORLNC0606	1.779	1.654	1.717	1.864	1.729	0.313	0.438								
ORLNC0607	1.841	1.716	1.779	1.926	1.791	0.375	0.500								
ORLNC0608	1.904	1.779	1.842	1.989	1.854	0.438	0.563								
ORLNC0609	1.966	1.841	1.904	2.051	1.916	0.500	0.625								
ORLNC0610	2.029	1.904	1.967	2.114	1.979	0.563	0.688								
ORLNC0611	2.091	1.966	2.029	2.176	2.041	0.625	0.750								
ORLNC0612	2.154	2.029	2.092	2.239	2.104	0.688	0.813								
ORLNC0613	2.216	2.091	2.154	2.301	2.166	0.750	0.875								
ORLNC0614	2.279	2.154	2.217	2.364	2.229	0.813	0.938								
ORLNC0615	2.341	2.216	2.279	2.426	2.291	0.875	1.000								
ORLNC0616	2.404	2.279	2.342	2.489	2.354	0.938	1.063								
ORLNC0617	2.466	2.341	2.404	2.551	2.416	1.000	1.125								
ORLNC0618	2.529	2.404	2.467	2.614	2.479	1.063	1.188								
ORLNC0619	2.591	2.466	2.529	2.676	2.541	1.125	1.250								
ORLNC0620	2.654	2.529	2.592	2.739	2.604	1.188	1.313								

Lock Bolt | *csk head*



Material: Aluminum **finish:** Natural **Diameter:** 1/4

Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNC0803	1.708	1.583	1.646	1.821	1.684	0.125	0.188	1383	1361	0.261	0.266	0.256	0.525	0.475	0.500
ORLNC0804	1.770	1.645	1.708	1.883	1.746	0.188	0.250								
ORLNC0805	1.833	1.708	1.771	1.946	1.809	0.250	0.313								
ORLNC0806	1.895	1.770	1.833	2.008	1.871	0.313	0.375								
ORLNC0807	1.958	1.833	1.896	2.071	1.934	0.375	0.438								
ORLNC0808	2.020	1.895	1.958	2.133	1.996	0.438	0.500								
ORLNC0809	2.083	1.958	2.021	2.196	2.059	0.500	0.563								
ORLNC0810	2.145	2.020	2.083	2.258	2.121	0.563	0.625								
ORLNC0811	2.208	2.083	2.146	2.321	2.184	0.625	0.688								
ORLNC0812	2.270	2.145	2.208	2.383	2.246	0.688	0.750								
ORLNC0813	2.333	2.208	2.271	2.446	2.309	0.750	0.813								
ORLNC0814	2.395	2.270	2.333	2.508	2.371	0.813	0.875								
ORLNC0815	2.458	2.333	2.396	2.571	2.434	0.875	0.938								
ORLNC0816	2.520	2.395	2.458	2.633	2.496	0.938	1.000								
ORLNC0817	2.583	2.458	2.521	2.696	2.559	1.000	1.063								
ORLNC0818	2.645	2.520	2.583	2.758	2.621	1.063	1.125								
ORLNC0819	2.708	2.583	2.646	2.821	2.684	1.125	1.188								
ORLNC0820	2.770	2.645	2.708	2.883	2.746	1.188	1.250								



Lock Bolt | *csk head*

Material: Aluminum finish: Natural Diameter: 5/16



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNC1004	2.036	1.911	1.974	2.177	2.038	0.125	0.375	2143	2087	0.323	0.328	0.318	0.589	0.547	0.568
ORLNC1006	2.160	2.035	2.098	2.301	2.162	0.250	0.500								
ORLNC1008	2.285	2.160	2.223	2.426	2.287	0.375	0.625								
ORLNC1010	2.410	2.285	2.348	2.551	2.412	0.500	0.750								
ORLNC1012	2.535	2.410	2.473	2.676	2.537	0.625	0.875								
ORLNC1014	2.660	2.535	2.598	2.801	2.662	0.750	1.000								
ORLNC1016	2.785	2.660	2.723	2.926	2.787	0.875	1.125								
ORLNC1018	2.910	2.785	2.848	3.051	2.912	1.000	1.250								
ORLNC1020	3.035	2.910	2.973	3.176	3.037	1.125	1.375								

Lock Bolt | *csk head*

Material: Aluminum finish: Natural Diameter: 3/8



Art no	Mandrel Length Max	Mandrel Length Min	Mandrel Length NOM	Length Max	Length Min	Grip Range Max	Grip Range Min	Shear Strength Min	Tensile Strength Min	Drill SiDe NOM	Hole Diameter Max	Hole Diameter Min	Head Diameter MAX	Head Diameter MIN	Head Diameter NOM
ORLNC1206	2.371	2.246	2.309	2.539	2.398	0.250	0.500	3096	2948	0.386	0.391	0.381	0.787	0.713	0.750
ORLNC1208	2.496	2.371	2.434	2.664	2.523	0.375	0.625								
ORLNC1210	2.621	2.496	2.559	2.789	2.648	0.500	0.750								
ORLNC1212	2.746	2.621	2.684	2.914	2.773	0.625	0.875								
ORLNC1214	2.871	2.746	2.809	3.039	2.898	0.750	1.000								
ORLNC1216	2.996	2.871	2.934	3.164	3.023	0.875	1.125								
ORLNC1218	3.121	2.996	3.059	3.289	3.148	1.000	1.250								
ORLNC1220	3.246	3.121	3.184	3.414	3.273	1.125	1.375								



Code Number for Collar



OR C

CODE NO.

R

HEAD SHAPE:

REGULAR=R

FLANGED=F

LOW PROFILE=L

2R

MATERIAL:

CARBON STEEL=2R

AL-6061 Alumium=1

AL-6061 Alumium
(Annealing)=F

STAINLESS=2CU

6

SIZE:

06=06/32=3/16

08=08/32=1/4

10=10/32=5/16

12=12/32=3/8

G

COATING

ZINC=G

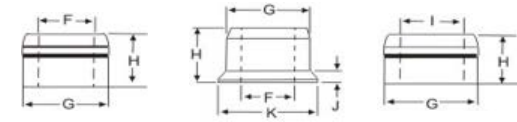
Natural Color=0

CAD=C

PLAIN=P

Collar Dimensions (imperial)

R=Regular Collar R=Flanged Collar L=Low Prolife Collar



Collar typer	Collar Diameter	Code No (ORC)	F Diameter	G Diameter	H Length	J MAX Dimension	K MAX Diameter
Standard	3/16	R2R06G	.187 - .196	.311 - .304	.220 - .260		
	1/4	R2R08G	.256 - .265	.409 - .402	.320 - .290		
	5/16	R2R10G	.304 - .312	.494 - .485	.380 - .350		
	3/8	R2R12G	.375 - .385	.600 - .590	.460 - .430		
Flanged	3/16	F2R06G	.187 - .196	.311 - .304	.280 - .250	.062 - .031	.391 - .359
	1/4	F2R08G	.256 - .267	.409 - .402	.379 - .349	.078 - .047	.516 - .484
	5/16	F2R10G	.304 - .312	.507 - .498	.426 - .394	.094 - .062	.641 - .609
	3/8	F2R12G	.378 - .390	.610 - .599	.532 - .502	.125 - .062	.781 - .719
Low Profile	3/16	L2R06G	.187 - .196	.311 - .304	.162 - .132	.094	
	1/4	L2R08G	.256 - .265	.409 - .402	.202 - .172	.125	
	5/16	L2R10G	.304 - .312	.494 - .485	.255 - .225	.125	
	3/8	L2R12G	.375 - .385	.600 - .590	.295 - .310	.125	

Note:When using Flange collars, and "J" dimension to thickness of material being fastened to determine grip number.

Note:When using Low Profile collars, subtract "J" dimension from thickness of material being fastened to determine grip number.

Collar Stainless Steel | *Standard*



Material: stainless steel **finish:** Z_{INC}

art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCR2CU06(G)	3/16	1.32	0.311	0.304
ORCR2CU08(G)	1/4	3.05	0.409	0.402
ORCR2CU10(G)	5/16	5.32	0.494	0.485
ORCR2CU12(G)	3/8	9.33	0.600	0.590

Collar Stainless Steel | *Flanged*



Material: stainless steel **finish:** Z_{INC}

art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCR2CU06(G)	3/16	1.32	0.311	0.304
ORCR2CU08(G)	1/4	3.05	0.409	0.402
ORCR2CU10(G)	5/16	5.32	0.494	0.485
ORCR2CU12(G)	3/8	9.33	0.600	0.590

Collar Stainless Steel | *Low Profile*

Material: stainless steel **finish:** ZINC



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCL2CU06(G)	3/16	0.84	0.311	0.304
ORCL2CU08(G)	1/4	1.84	0.409	0.402
ORCL2CU10(G)	5/16	3.9	0.494	0.485
ORCL2CU12(G)	3/8	6.2	0.600	0.590

Collar Aluminum | *Standard*

Material: Aluminum **finish:** Natural



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCRF06G	3/16	0.45	0.311	0.304
ORCRF08G	1/4	0.908	0.409	0.402
ORCRF10G	5/16	1.7	0.494	0.485
ORCRF12G	3/8	2.98	0.600	0.590

Collar Aluminum | *Low Profile*

Material: Aluminum finish: Natural



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCLF06G	3/16	0.28	0.311	0.304
ORCLF08G	1/4	0.62	0.409	0.402
ORCLF10G	5/16	1.95	0.494	0.485
ORCLF12G	3/8	2.08	0.600	0.590

collar stainless steel | *Flanged*

Material: Aluminum finish: Natural



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCFF06G	3/16	0.53	0.311	0.304
ORCFF08G	1/4	1.37	0.409	0.402
ORCFF10G	5/16	2.38	0.494	0.485
ORCFF12G	3/8	4.75	0.600	0.590

collar steel | *Flanged*

Material: steel c-1008 finish: Z_{INC}



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCF2R06(G)	3/16	1.77	0.311	0.304
ORCF2R08(G)	1/4	4.03	0.409	0.402
ORCF2R10(G)	5/16	6.98	0.494	0.485
ORCF2R12(G)	3/8	14.24	0.600	0.590

collar steel | *Standard*

Material: steel c-1008 finish: Z_{INC}



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCR2R06(G)	3/16	1.2	0.311	0.304
ORCR2R08(G)	1/4	2.77	0.409	0.402
ORCR2R10(G)	5/16	5.16	0.494	0.485
ORCR2R12(G)	3/8	8.88	0.600	0.590

Collar Steel | *Low profile*

Material: Steel c-1008 **finish:** Zinc



art no	Diameter	KgX1000 pieces	Hole Diameter Max	Hole Diameter Min
ORCL2R06(G)	3/16	0.84	0.311	0.304
ORCL2R08(G)	1/4	1.86	0.409	0.402
ORCL2R10(G)	5/16	3.9	0.494	0.485
ORCL2R12(G)	3/8	6.23	0.600	0.590



FAST LINE

BY ORNIT

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