25 YEARS

MASTERFIX®

Catalogue 2008

Masterfix – One-stop shopping for the blind riveting distributor market

Masterfix Products is one of Europe's main blind riveting technique professionals. We owe our excellent reputation to our successful distribution of the broadest range of blind rivets, blind rivet nuts and bolts in the business, and by offering extremely competitive prices and a reliable and continuous stock supply. The same goes for our line of accompanying hand- and power tools.

Our success is a result of 25 years of experience in the industry and by focusing on supplying our product range solely through the distributor market for blind fasteners and accompanying tools. In doing so we have become the leading name used in the field of service & repair and small-to-medium sized industry.

Over 20 years ago we already ventured into relations with a reliable co-partner in the Far East, which resulted into a joint venture operation. Because of this we are able to have a leading role in the product range, the technique and quality delivered, and can do this in a very cost efficient way.

Sales & Marketing

The Masterfix Group is spread out through Europe with branches in Germany, Spain, Poland, The United Kingdom and a head office in the Netherlands.

Our international sales teams are in close contact with our partners as well as each other. This enables us to continuously monitor and evaluate the field to make sure we stay in touch with the industry and on top of the market. In doing so we provide our clients with a well balanced and useful program, adjusted to market needs and ready to adapt to future developments.

The international Masterfix customer service centers are staffed by thoroughly trained multi-lingual professionals as are our regional service- and repair centers, representing Masterfix throughout Europe and beyond.

We frequently welcome technical and commercial representatives of our partners in our International Training Center. Here they learn hands-on about the techniques of blind riveting with practical examples that show our products' extensive range of possible applications.

Masterfix

We have modern, well stocked warehouses at our disposal at all International Masterfix locations. We therefore are able to guarantee a reliable and continuous product supply to our clients.

Research & Development

Having our own R & D department enables us to translate partners wishes as well as market demands into applicable and useful new products. The introduction of the closed end rivet into the European market as early as 1985, was one of Masterfix' first innovations. The introduction of the EZM 12 hand tool with transmission of power being one of the latest. We continuously work on providing our clients with a reliable and affordable line of rivets and rivet nuts and an advanced and practical line of hand and power tools.

www.masterfix.com

On our website you find information about our operations in 6 different languages, as well technical information on all our products. Here we also keep our partners up to date on technical as well as practical developments, trade show participation of all our international offices, as well as company and industry news. You can simply order a pricelist by filling out the request form on our website.

Masterfix

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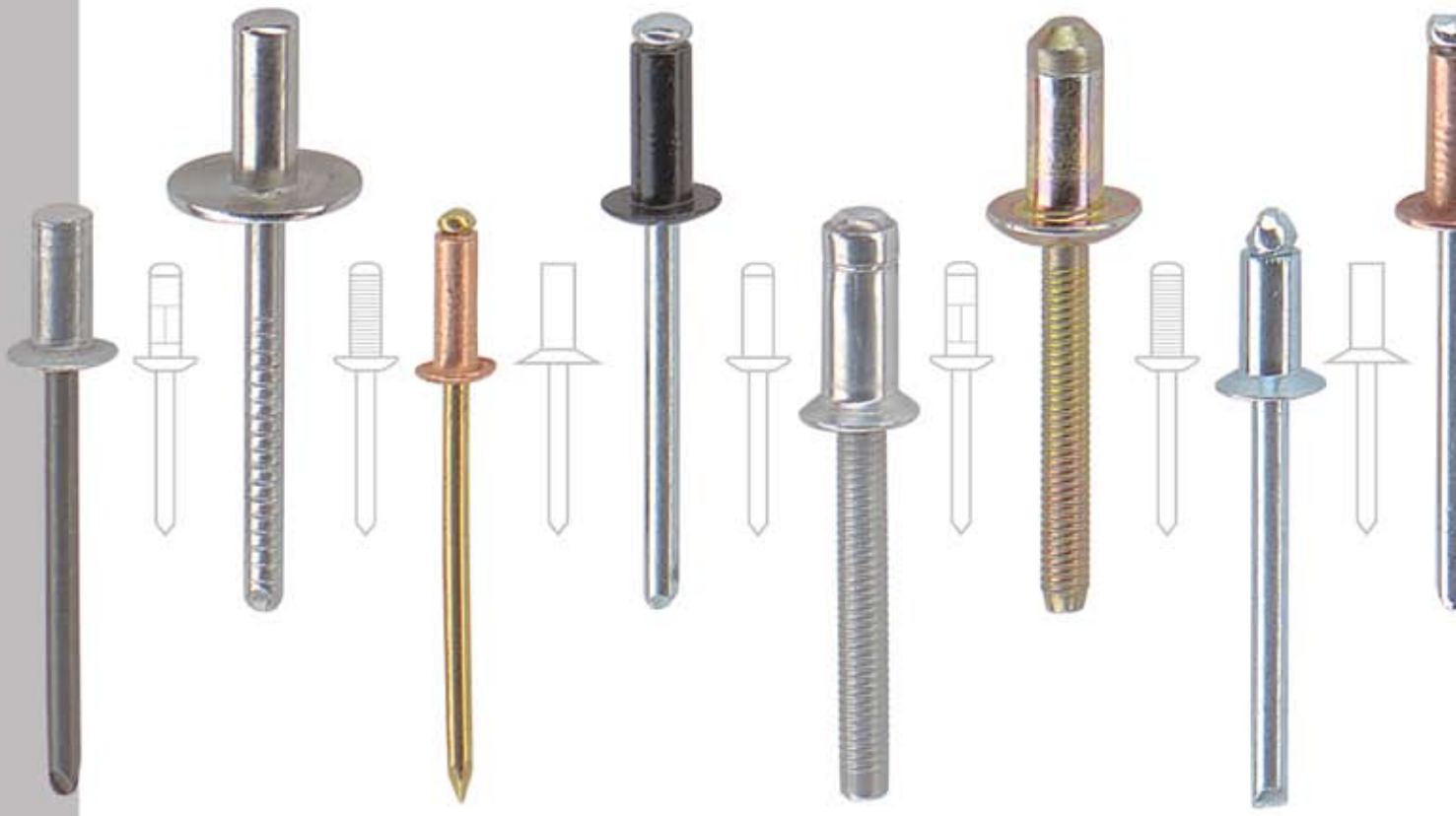


Blind rivets

MASTERFIX®

Blind rivets

The time and costs saving technology of blind riveting is simple. The materials to be riveted only have to be reached from one side, which explains the term "blind" riveting.
The rivet is made of two parts namely, the body and the mandrel. The body is deformed when the rivet is set and it is this part which clamps the materials together. The function of the mandrel is to deform the body of the rivet. The mandrel is therefore always stronger than the body. The mandrel breaks off at its specific breaking point. This breaking point ensures that the mandrel breaks off at the right moment so that the body is correctly deformed, and the materials are clamped together in a correct way.

Masterfix, the colorful connection

Colorful blind rivets: it appears that for more and more applications, colored rivets are preferred. Think about window-frames, sunshades, cladding in metal and plastic, coachwork etc. In many cases, the rivet remains visible in the application after setting, and a rivet in the color of the riveted material is of course less visible.

Masterfix can provide an answer to any problem where a colored rivet is required. The rivets can be painted in any desired RAL color. The rivets are colored to a high standard, using 2-components paint. This guarantees a high-quality lacquer, which gives a good resistance to detergents and chemical cleansers.

PLIA, a first class job turned out every time

Perhaps this is the best way to describe the Masterfix PLIA range of blind rivets. Masterfix PLIA rivets is a wide range of Multigrip rivets, offering substantial technical advantages over standard blind rivets, because of its special construction. This technique which was originally developed for the industry has been implemented in our standard PLIA range, which also includes a steel PLIA and a stainless steel PLIA with grooved mandrel for extra grip on the jaws.

What makes PLIA different from ordinary standard rivets?
A large bulb is formed at the back, spreading the clamping load over a wide area
After setting, the mandrel is retained in the rivet which makes it vibration resistant
A hole filling property, so the size of the predrilled hole is less critical
Large clamping capacity, so a significant reduction of stock can be achieved

PLIA is available with the following head shapes:	materials:
Dome head	Aluminium/Steel
Large flange	Aluminium/Stainless steel
Extra large head	Steel/Steel
Countersunk head	Stainless steel/Stainless steel

Applications

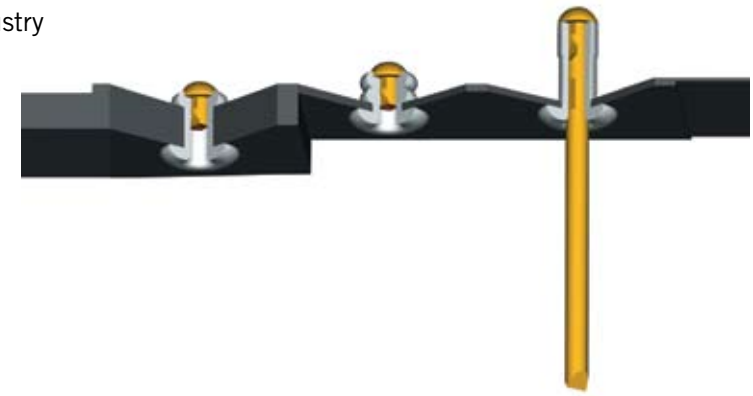
Combinations of hard and soft materials

Automotive, furniture & construction industry

HVAC applications

White goods

Repair & service industry

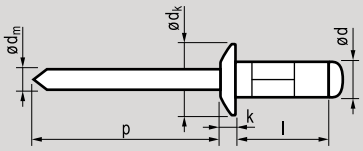


Info

MFX 1001

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



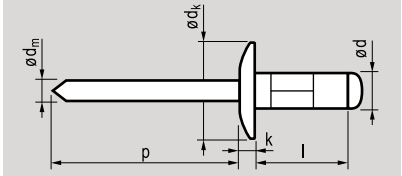
PLIA | multigrip | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	0,5-3,0	**10013006**						
[+0,05/-0,13]	8,0	0,5-5,0	**3008**	6,0 [+/-0,24]	≤1,4	~1,70	≥27	655	520
	10,0	2,5-7,0	**3010**						
Ø 3,1 [3,3 max]	12,0	4,5-9,0	**3012**						
3,2	6,0	0,5-3,0	**10013206**						
[+0,05/-0,13]	8,0	0,5-5,0	**3208**						
	9,5	2,0-6,5	**3209**						
Ø 3,3 [3,5 max]	10,0	2,5-7,0	**3210**						
	11,1	3,5-8,0	**3211**	6,0 [+/-0,24]	≤1,4	~1,78	≥27	980	680
	12,0	4,5-9,0	**3212**						
	12,7	5,5-9,5	**3213**						
	14,0	6,5-11,0	**3214**						
	16,0	8,5-13,0	**3216**						
4,0	6,0	0,5-2,5	**10014006**						
[+0,05/-0,13]	8,0	0,5-4,5	**4008**						
	9,5	1,0-6,0	**4009**						
Ø 4,1 [4,3 max]	10,0	1,5-6,5	**4010**						
	12,0	3,5-8,5	**4012**						
	12,7	4,0-9,5	**4013**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	1.600	1.150
	14,0	5,5-10,5	**4014**						
	16,0	7,5-12,5	**4016**						
	17,0	8,5-13,5	**4017**						
	18,0	9,5-14,5	**4018**						
	20,0	11,5-16,5	**4020**						
4,8	10,0	0,5-5,0	**10014810**						
[+0,05/-0,13]	10,3	0,5-5,5	**4811**						
	12,0	2,0-7,0	**4812**						
Ø 4,9 [5,2 max]	14,0	4,0-9,0	**4814**						
	15,1	5,0-10,5	**4815**						
	16,0	6,0-11,0	**4816**	9,5 [+/-0,29]	≤2,0	~2,78	≥27	2.350	1.500
	17,0	7,0-12,0	**4817**						
	18,0	8,0-13,0	**4818**						
	20,0	10,0-15,0	**4820**						
	22,0	12,0-17,0	**4822**						
	24,0	14,0-19,0	**4824**						
	24,8	14,5-19,5	**4825**						

MFX 1002

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



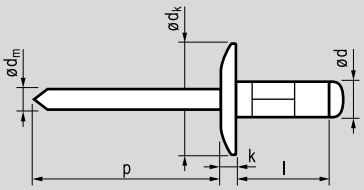
PLIA | multigrip | large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	05,-5,0	**10023208**						
[+0,05/-0,13]	9,5	2,0-6,5	**3209**						
	10,0	2,5-7,0	**3210**						
Ø 3,3 [3,5 max]	11,1	3,5-8,0	**3211**	9,5 [+0/-0,5]	≤2,0	~1,78	≥27	980	680
	12,0	4,5-9,0	**3212**						
	14,0	6,5-11,0	**3214**						
	16,0	8,5-13,0	**3216**						
4,0	8,0	0,5-4,5	**10024008**						
[+0,05/-0,13]	10,0	1,5-6,5	**4010**						
	11,1	2,5-7,5	**4011**						
Ø 4,1 [4,3 max]	12,0	3,5-8,5	**4012**						
	12,7	4,0-9,5	**4013**	12,0 [+0/-0,5]	≤2,5	~2,18	≥27	1.600	1.150
	14,0	5,5-10,5	**4014**						
	16,0	7,5-12,5	**4016**						
	17,0	8,5-13,5	**4017**						
	18,0	9,5-14,5	**4018**						
	20,0	11,5-16,5	**4020**						
4,8	10,0	0,5-5,0	**10024810**						
[+0,05/-0,13]	12,0	2,0-7,0	**4812**						
	14,0	4,0-9,0	**4814**	14,0 [+0/-0,5]	≤2,5	~2,78	≥27	2.350	1.500
Ø 4,9 [5,2 max]	16,0	6,0-11,0	**4816**						
	18,0	8,0-13,0	**4818**						
	20,0	10,0-15,0	**4820**						

MFX 1003

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



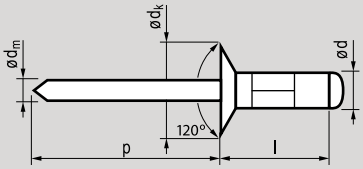
PLIA | multigrip | extra large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,8	10,0	0,5-5,0	**10034810**						
[+0,05/-0,13]	10,3	0,5-5,5	**4811**						
	12,0	2,0-7,0	**4812**						
Ø 4,9 [5,2 max]	14,0	4,0-9,0	**4814**						
	16,0	6,0-11,0	**4816**						
	17,0	7,0-12,0	**4817**	16,0 [+0/-0,5]	≤2,5	~2,78	≥27	2.350	1.500
	18,0	8,0-13,0	**4818**						
	20,0	10,0-15,0	**4820**						
	22,0	12,0-17,0	**4822**						
	24,0	14,0-19,0	**4824**						
	24,8	14,5-19,5	**4825**						
	27,0	16,0-22,0	**4827**						

MFX 1004

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



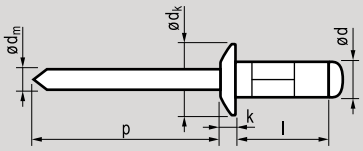
PLIA | multigrip | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	1,5-5,0	**10043208**	6,0 [+/-0,24]	-	~1,78	≥27	980	680
[+0,05/-0,13]	9,7	2,5-6,5	**3209**						
	10,0	2,5-7,0	**3210**						
Ø 3,3 [3,5 max]	12,0	4,5-9,0	**3212**						
4,0	8,0	1,5-4,5	**10044008**	8,0 [+/-0,29]	-	~2,18	≥27	1.600	1.150
[+0,05/-0,13]	10,0	1,5-6,5	**4010**						
	11,3	2,5-7,5	**4011**						
Ø 4,1 [4,3 max]	12,0	3,5-8,5	**4012**						
	14,0	5,5-10,5	**4014**						
4,8	10,0	1,5-5,0	**10044810**	9,5 [+/-0,29]	-	~2,78	≥27	2.350	1.500
[+0,05/-0,13]	12,0	2,0-7,0	**4812**						
	14,0	4,0-9,0	**4814**						
Ø 4,9 [5,2 max]	16,0	6,0-11,0	**4816**						
	16,9	7,0-12,0	**4817**						

MFX 1171

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



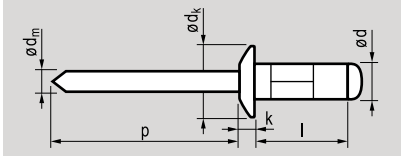
PLIA | multigrip | dome head (RAL 9010) white

Ø d [+1/-0,2]	l		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	0,5-3,0	**11713206**						
[+0,05/-0,13]	8,0	0,5-5,0	**3208**						
	9,5	2,0-6,5	**3209**						
Ø 3,3 [3,5 max]	10,0	2,5-7,0	**3210**						
	11,1	3,5-8,0	**3211**	6,0 [+/-0,24]	≤1,4	~1,78	≥27	980	680
	12,0	4,5-9,0	**3212**						
	12,7	5,5-9,5	**3213**						
	14,0	6,5-11,0	**3214**						
	16,0	8,5-13,0	**3216**						
4,0	6,0	0,5-2,5	**11714006**						
[+0,05/-0,13]	8,0	0,5-4,5	**4008**						
	9,5	1,0-6,0	**4009**						
Ø 4,1 [4,3 max]	10,0	1,5-6,5	**4010**						
	12,0	3,5-8,5	**4012**						
	12,7	4,0-9,5	**4013**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	1.600	1.150
	14,0	5,5-10,5	**4014**						
	16,0	7,5-12,5	**4016**						
	17,0	8,5-13,5	**4017**						
	18,0	9,5-14,5	**4018**						
	20,0	11,5-16,5	**4020**						
4,8	10,0	0,5-5,0	**11714810**						
[+0,05/-0,13]	10,3	0,5-5,5	**4811**						
	12,0	2,0-7,0	**4812**						
Ø 4,9 [5,2 max]	14,0	4,0-9,0	**4814**						
	15,1	5,0-10,5	**4815**						
	16,0	6,0-11,0	**4816**	9,5 [+/-0,29]	≤2,0	~2,78	≥27	2.350	1.500
	17,0	7,0-12,0	**4817**						
	18,0	8,0-13,0	**4818**						
	20,0	10,0-15,0	**4820**						
	22,0	12,0-17,0	**4822**						
	24,0	14,0-19,0	**4824**						
	24,8	14,5-19,5	**4825**						

MFX 1181

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated



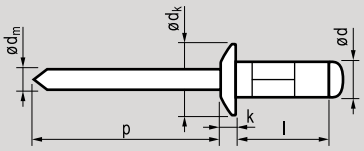
PLIA | multigrip | dome head (RAL 9005) black

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	0,5-3,0	**11813206**						
[+0,05/-0,13]	8,0	0,5-5,0	**3208**						
	9,5	2,0-6,5	**3209**						
Ø 3,3 [3,5 max]	10,0	2,5-7,0	**3210**						
	11,1	3,5-8,0	**3211**	6,0 [+/-0,24]	≤1,4	~1,78	≥27	980	680
	12,0	4,5-9,0	**3212**						
	12,7	5,5-9,5	**3213**						
	14,0	6,5-11,0	**3214**						
	16,0	8,5-13,0	**3216**						
4,0	6,0	0,5-2,5	**11814006**						
[+0,05/-0,13]	8,0	0,5-4,5	**4008**						
	9,5	1,0-6,0	**4009**						
Ø 4,1 [4,3 max]	10,0	1,5-6,5	**4010**						
	12,0	3,5-8,5	**4012**						
	12,7	4,0-9,5	**4013**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	1.600	1.150
	14,0	5,5-10,5	**4014**						
	16,0	7,5-12,5	**4016**						
	17,0	8,5-13,5	**4017**						
	18,0	9,5-14,5	**4018**						
	20,0	11,5-16,5	**4020**						
4,8	10,0	0,5-5,0	**11814810**						
[+0,05/-0,13]	10,3	0,5-5,5	**4811**						
	12,0	2,0-7,0	**4812**						
Ø 4,9 [5,2 max]	14,0	4,0-9,0	**4814**						
	15,1	5,0-10,5	**4815**						
	16,0	6,0-11,0	**4816**	9,5 [+/-0,29]	≤2,0	~2,78	≥27	2.350	1.500
	17,0	7,0-12,0	**4817**						
	18,0	8,0-13,0	**4818**						
	20,0	10,0-15,0	**4820**						
	22,0	12,0-17,0	**4822**						
	24,0	14,0-19,0	**4824**						
	24,8	14,5-19,5	**4825**						

MFX 1441

Aluminium [AlMg2,5]
Polished

Stainless steel [A2]
Polished



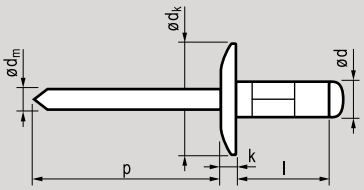
PLIA | multigrip | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	0,5-5,0	**14413208**	6,0 [+/-0,24]	≤1,4	~1,78	≥27	980	680
[+0,05/-0,13]	9,5	2,0-6,5	**3209**						
	11,1	3,5-8,0	**3211**						
Ø 3,3 [3,5 max]									
4,0	9,5	1,0-6,0	**14414009**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	1.600	1.150
[+0,05/-0,13]	12,7	4,0-9,5	**4012**						
	16,9	8,5-13,5	**4016**						
Ø 4,1 [4,3 max]									
4,8	10,3	0,5-5,5	**14414810**	9,5 [+/-0,29]	≤2,0	~2,78	≥27	2.350	1.500
[+0,05/-0,13]	15,1	5,0-10,5	**4815**						
	16,9	7,0-12,0	**4816**						
Ø 4,9 [5,2 max]	24,8	14,5-19,5	**4824**						

MFX 1443

Aluminium [AlMg2,5]
Polished

Stainless steel [A2]
Polished



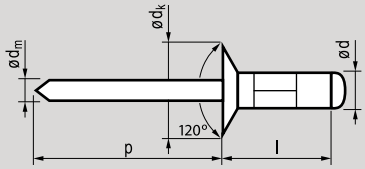
PLIA | multigrip | extra large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	0,5-5,0	**14433208**	9,5 [+0/-0,5]	≤2,0	~1,78	≥27	980	680
[+0,05/-0,13]	9,5	2,0-6,5	**3209**						
	11,1	3,5-8,0	**3211**						
Ø 3,3 [3,5 max]									
4,0	12,7	4,0-9,5	**14434012**	12,0 [+0/-0,5]	≤2,5	~2,18	≥27	1.600	1.150
[+0,05/-0,13]	16,9	8,5-13,5	**4016**						
Ø 4,1 [4,3 max]									
4,8	10,3	0,5-5,5	**14434810**	16,0 [+0/-0,5]	≤2,5	~2,78	≥27	2.350	1.500
[+0,05/-0,13]	16,9	7,0-12,0	**4816**						
	24,8	14,5-19,5	**4824**						
Ø 4,9 [5,2 max]									

MFX 1444

Aluminium [AlMg2,5]
Polished

Stainless steel [A2]
Polished



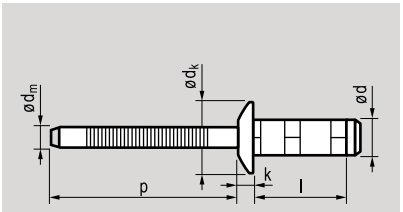
PLIA | multigrip | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2 [+0,05/-0,13] Ø 3,3 [3,5 max]	9,7	2,0-6,5	**14443209**	6,0 [+0/-0,5]	-	~1,78	≥27	980	680
4,0 [+0,05/-0,13] Ø 4,1 [4,3 max]	9,5 11,3	1,5-6,0 3,0-8,0	**14444009** **4011**	7,5 [+0/-0,5]	-	~2,18	≥27	1.600	1.150
4,8 [+0,05/-0,13] Ø 4,9 [5,2 max]	12,1 16,9	2,0-7,0 7,0-12,0	**14444812** **4816**	9,0 [+0/-0,5]	-	~2,78	≥27	2.350	1.500

MFX 1451

Stainless steel [A2]
Polished

Stainless steel [A2]
Polished



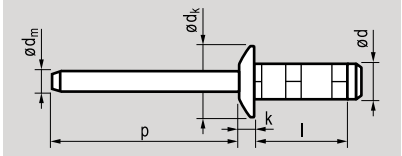
PLIA | multigrip | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	1,5-4,0	**14513208**	7,2 [+/-0,25]	1,00 [+/-0,15]	~2,10	≥27	1.780	1.570
[+0,08/-0,15]									
Ø 3,3									
4,0	10,0	1,5-5,0	**14514010**	8,1 [+/-0,25]	1,20 [+/-0,15]	~2,60	≥27	3.350	4.200
[+0,08/-0,15]	12,0	3,5-7,0	**4012**						
	15,0	6,0-9,5	**4015**						
Ø 4,1									
4,8	10,0	1,5-5,0	**14514810**	9,8 [+/-0,25]	1,75 [+/-0,25]	~3,20	≥27	4.300	5.000
[+0,08/-0,15]	12,0	3,0-7,0	**4812**						
	15,0	6,5-10,0	**4815**						
Ø 4,9	17,5	9,0-12,5	**4817**						

MFX 1461

Steel
Zinc plated

Steel
Zinc plated



PLIA | multigrip | dome head

Ø d [+1/-0,2]	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2 [+0,08/-0,15] Ø 3,3	9,0	1,5-4,0	**14613209**	7,2 [+/-0,25]	1,00 [+/-0,15]	~2,10	≥27	1.700	1.500
4,0 [+0,08/-0,15] Ø 4,1	10,8 12,5	1,5-4,5 3,0-6,0	**14614010** **4012**	8,1 [+/-0,25]	1,20 [+/-0,15]	~2,63	≥27	2.350	1.955
4,8 [+0,08/-0,15] Ø 4,9	10,2 12,7 17,5	1,5-4,5 3,5-7,5 8,0-12,0	**14614810** **4812** **4817**	9,8 [+/-0,25]	1,75 [+/-0,25]	~3,40	≥27	3.600	3.335

Masterfix Standard blind rivets

The diversity in standard rivets is enormous, in alloys as well as in (head) types: from copper or stainless dome head to aluminium with extra large flange. The standard rivet with dome head, is on request also available in different RAL-colors.

Applications

Automotive industry

Furniture industry

Heating & air conditioning

Domestic appliances

Containers

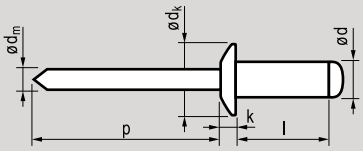
Etc.

Info

MFX 1031

Aluminium [AlMg2,5/3,5]
Polished

Steel
Zinc plated



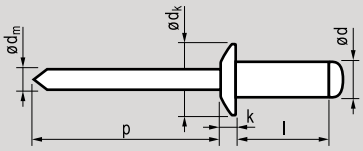
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
2,4	4,0	~2,0	**10312404**						
[+0,08/-0,10]	6,0	2,0-4,0	**2406**	5,0 [+0/-0,7]	0,7 [+/-0,15]	~1,45	≥27	355	315
	8,0	4,0-6,0	**2408**						
Ø 2,5	10,0	6,0-8,0	**2410**						
3,0	4,0	~1,5	**10313004**						
[+0,08/-0,10]	6,0	1,5-3,5	**3006**						
	8,0	3,5-5,5	**3008**						
Ø 3,1	10,0	5,5-7,5	**3010**	6,5 [+0/-0,7]	0,8 [+/- 0,2]	~1,75	≥27	810	620
	12,0	7,5-9,5	**3012**						
	14,0	9,5-11,5	**3014**						
	16,0	11,5-13,5	**3016**						
3,2	4,0	~1,5	**10313204**						
[+0,08/-0,10]	6,0	1,5-3,5	**3206**						
	8,0	3,5-5,5	**3208**						
Ø 3,3	10,0	5,5-7,5	**3210**						
	12,0	7,5-9,5	**3212**	6,5 [+0/-0,7]	0,8 [+/- 0,2]	~1,75	≥27	980	760
	14,0	9,5-11,5	**3214**						
	16,0	11,5-13,5	**3216**						
	18,0	13,5-15,5	**3218**						
	20,0	15,5-17,5	**3220**						
4,0	6,0	1,5-3,0	**10314006**						
[+0,08/-0,15]	8,0	3,0-5,0	**4008**						
	10,0	5,0-6,5	**4010**						
Ø 4,1	12,0	6,5-8,5	**4012**						
	14,0	8,5-10,5	**4014**	8,0 [+0/-1,0]	1,0 [+/- 0,3]	~2,10	≥27	1.600	1.200
	16,0	10,5-12,5	**4016**						
	18,0	12,5-14,5	**4018**						
	20,0	14,5-16,5	**4020**						
	23,0	16,5-19,0	**4023**						
	25,0	19,0-21,5	**4025**						

MFX 1031

Aluminium [AlMg2,5/3,5]
Polished

Steel
Zinc plated



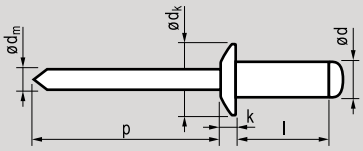
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,8	6,0	1,0-3,0	**10314806**						
[+0,08/-0,15]	8,0	3,0-4,5	**4808**						
	10,0	4,5-6,0	**4810**						
Ø 4,9	12,0	6,0-8,0	**4812**						
	14,0	8,0-10,0	**4814**						
	16,0	10,0-12,0	**4816**						
	18,0	12,0-14,0	**4818**	9,5 [+0/-1,0]	1,1 [+/- 0,3]	~2,70	≥27	2.230	1.690
	20,0	14,0-16,0	**4820**						
	22,0	16,0-18,0	**4822**						
	25,0	18,0-21,0	**4825**						
	28,0	21,0-23,5	**4828**						
	30,0	23,5-25,0	**4830**						
	35,0	25,0-30,0	**4835**						
	40,0	30,0-35,0	**4840**						
5,0	6,0	1,0-3,0	**10315006**						
[+0,08/-0,15]	8,0	3,0-4,5	**5008**						
	10,0	4,5-6,0	**5010**						
Ø 5,1	12,0	6,0-8,0	**5012**						
	14,0	8,0-10,0	**5014**						
	16,0	10,0-12,0	**5016**						
	18,0	12,0-14,0	**5018**	9,5 [+0/-1,0]	1,1 [+/- 0,3]	~2,70	≥27	2.500	2.000
	21,0	14,0-17,0	**5021**						
	25,0	17,0-20,0	**5025**						
	27,0	20,0-23,0	**5027**						
	30,0	23,0-25,0	**5030**						
	35,0	25,0-30,0	**5035**						
	40,0	30,0-35,0	**5040**						
6,0	8,0	2,0-4,0	**10316008**						
[+0,08/-0,15]	10,0	4,0-6,0	**6010**						
	12,0	6,0-8,0	**6012**						
Ø 6,1	14,0	7,0-9,0	**6014**						
	16,0	9,0-11,0	**6016**	12,0 [+0/-1,5]	1,5 [+/- 0,4]	~3,60	≥31	3.900	3.000
	18,0	11,0-13,0	**6018**						
	22,0	13,0-17,0	**6022**						
	26,0	17,0-20,0	**6026**						
	30,0	20,0-24,0	**6030**						

MFX 1031

Aluminium [AlMg2,5/3,5]
Polished

Steel
Zinc plated



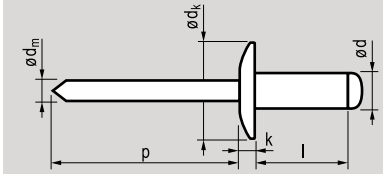
open type I dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	10,0	0,0-2,5	**10316410**						
[+0,08/-0,15]	12,0	4,0-6,0	**6412**						
	15,0	6,0-9,0	**6415**						
ø 6,5	18,0	9,0-13,0	**6418**	13,0 [+0/-1,5]	1,8 [+/- 0,4]	~3,85	≥31	4.090	3.120
	22,0	13,0-16,0	**6422**						
	26,0	16,0-20,0	**6426**						
	30,0	18,0-24,0	**6430**						

MFX 1032

Aluminium [AlMg3,5]
Polished

Steel
Zinc plated



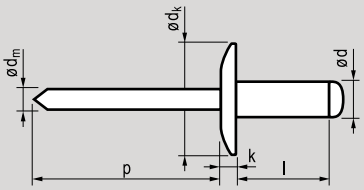
open type | large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	1,5-3,5	**10323206**						
[+0,08/-0,10]	8,0	3,5-5,5	**3208**						
	10,0	5,5-7,5	**3210**	9,5 [+0/-0,5]	≤2,0	~1,70	≥27	980	760
Ø 3,3	12,0	7,5-9,5	**3212**						
	14,0	9,5-11,5	**3214**						
4,0	6,0	1,5-3,0	**10324006**						
[+0,08/-0,15]	8,0	3,0-5,0	**4008**						
	10,0	5,0-6,5	**4010**	12,0 [+0/-0,5]	≤2,5	~2,10	≥27	1.600	1.200
Ø 4,1	12,0	6,5-8,5	**4012**						
	14,0	8,5-10,5	**4014**						
	16,0	10,5-12,5	**4016**						
4,8	8,0	3,0-4,5	**10324808**						
[+0,08/-0,15]	10,0	4,5-6,0	**4810**						
	12,0	6,0-8,0	**4812**						
Ø 4,9	14,0	8,0-10,0	**4814**						
	16,0	10,0-12,0	**4816**						
	18,0	12,0-14,0	**4818**						
	20,0	14,0-16,0	**4820**	14,0 [+0/-0,5]	≤2,5	~2,70	≥27	2.230	1.690
	22,0	16,0-18,0	**4822**						
	24,0	18,0-21,0	**4824**						
	26,0	19,5-22,0	**4826**						
	28,0	21,0-23,5	**4828**						
	30,0	23,0-25,0	**4830**						
	35,0	25,0-30,0	**4835**						
5,0	8,0	3,0-4,5	**10325008**						
[+0,08/-0,15]	10,0	4,5-6,0	**5010**						
	12,0	6,0-8,0	**5012**						
Ø 5,1	14,0	8,0-10,0	**5014**	14,0 [+0/-0,5]	≤2,5	~2,70	≥27	2.500	2.000
	16,0	10,0-12,0	**5016**						
	18,0	12,0-14,0	**5018**						
	21,0	14,0-17,0	**5021**						
	24,0	17,0-20,0	**5024**						

MFX 1033

Aluminium [AlMg3,5]
Polished

Steel
Zinc plated



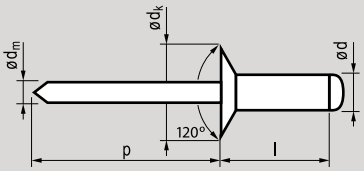
open type | extra large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,8	10,0	4,5-6,0	**10334810**						
[+0,08/-0,15]	12,0	6,0-8,0	**4812**						
	14,0	8,0-10,0	**4814**						
Ø 4,9	16,0	10,0-12,0	**4816**						
	18,0	12,0-14,0	**4818**	16,0 [+0/-0,5]	≤2,5	~2,70	≥27	2.230	1.690
	20,0	14,0-16,0	**4820**						
	22,0	16,0-18,0	**4822**						
	24,0	18,0-20,0	**4824**						
	26,0	20,0-22,0	**4826**						

MFX 1034

Aluminium [AlMg2,5/3,5]
Polished

Steel
Zinc plated



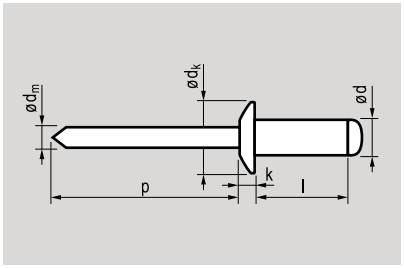
open type I countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
2,4	6,0	2,0-4,0	**10342406**	5,0 [+0/-0,4]	-	~1,45	≥27	355	315
[+0,08/-0,10]	8,0	4,0-6,0	**2408**						
	10,0	6,0-8,0	**2410**						
Ø 2,5									
3,0	6,0	1,5-3,5	**10343006**	6,0 [+0/-0,4]	-	~1,75	≥27	810	620
[+0,08/-0,10]	8,0	3,5-5,5	**3008**						
	10,0	5,5-7,5	**3010**						
Ø 3,1	12,0	7,5-9,5	**3012**						
3,2	6,0	1,5-3,5	**10343206**	6,0 [+0/-0,4]	-	~1,75	≥27	980	760
[+0,08/-0,10]	8,0	3,5-5,5	**3208**						
	10,0	5,5-7,5	**3210**						
Ø 3,3	12,0	7,5-9,5	**3212**						
	14,0	9,5-11,5	**3214**						
4,0	6,0	1,5-3,0	**10344006**	7,5 [+0/-0,5]	-	~2,10	≥27	1.600	1.200
[+0,08/-0,15]	8,0	3,0-5,0	**4008**						
	10,0	5,0-6,5	**4010**						
Ø 4,1	12,0	6,5-8,6	**4012**						
	14,0	8,5-10,5	**4014**						
	16,0	10,5-12,5	**4016**						
4,8	8,0	3,0-4,5	**10344808**	9,0 [+0/-0,5]	-	~2,70	≥27	2.230	1.690
[+0,08/-0,15]	10,0	4,5-6,0	**4810**						
	12,0	6,0-8,0	**4812**						
Ø 4,9	14,0	8,0-10,0	**4814**						
	16,0	10,0-12,0	**4816**						
	18,0	12,0-14,0	**4818**						
	20,0	14,0-16,0	**4820**						
	25,0	18,0-21,0	**4825**						
5,0	8,0	3,0-4,5	**10345008**	9,0 [+0/-0,5]	-	~2,70	≥27	2.500	2.000
[+0,08/-0,15]	10,0	4,5-6,0	**5010**						
	12,0	6,0-8,0	**5012**						
Ø 5,1	14,0	8,0-10,0	**5014**						
	16,0	10,0-12,0	**5016**						
	18,0	12,0-14,0	**5018**						
	21,0	14,0-17,0	**5020**						
	25,0	17,0-20,0	**5025**						

MFX 1021

Aluminium [AlMg2,5]
Polished

Aluminium
Polished



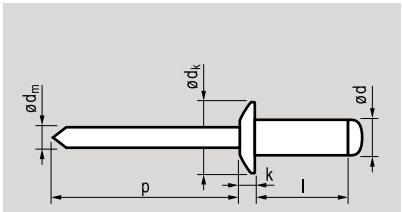
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	1,5-3,5	**10213206**						
[+0,08/-0,10]	8,0	3,5-5,5	**3208**						
	10,0	5,5-7,5	**3210**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,95	≥27	670	535
Ø 3,3	12,0	7,5-9,5	**3212**						
	14,0	9,5-11,5	**3214**						
	16,0	11,5-13,5	**3216**						
4,0	6,0	1,5-3,0	**10214006**						
[+0,08/-0,15]	8,0	3,0-5,0	**4008**						
	10,0	5,0-7,0	**4010**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,45	≥27	1.025	845
Ø 4,1	12,0	7,0-9,0	**4012**						
	14,0	9,0-11,0	**4014**						
	16,0	11,0-13,0	**4016**						
4,8	8,0	2,5-4,5	**10214808**						
[+0,08/-0,15]	10,0	4,5-6,5	**4810**						
	12,0	6,5-8,5	**4812**						
Ø 4,9	14,0	8,5-10,5	**4814**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	1.425	1.155
	16,0	10,5-12,5	**4816**						
	18,0	12,5-14,5	**4818**						
	20,0	14,5-16,5	**4820**						
	25,0	19,5-21,5	**4825**						

MFX 1071

Aluminium [AlMg3]
Polished

Stainless steel [A2]
Polished



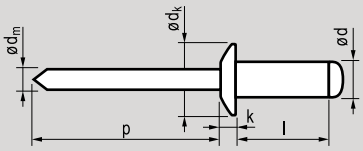
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,5-3,5	**10713006**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,75	≥27	810	620
[+0,08/-0,10]	8,0	3,5-5,5	**3008**						
	10,0	5,5-7,0	**3010**						
Ø 3,1	12,0	7,0-9,0	**3012**						
3,2	6,0	1,5-3,5	**10713206**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,95	≥27	980	760
[+0,08/-0,10]	8,0	3,5-5,5	**3208**						
	10,0	5,5-7,0	**3210**						
Ø 3,3	12,0	7,0-9,0	**3212**						
4,0	6,0	1,0-3,0	**10714006**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,10	≥27	1.600	1.200
[+0,08/-0,15]	8,0	3,0-5,0	**4008**						
	10,0	5,0-7,0	**4010**						
Ø 4,1	12,0	7,0-9,0	**4012**						
4,8	8,0	2,5-4,5	**10714808**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,70	≥27	2.230	1.690
[+0,08/-0,15]	10,0	4,5-6,5	**4810**						
	12,0	6,5-8,5	**4812**						
Ø 4,9	14,0	8,5-10,5	**4814**						
	16,0	10,5-12,5	**4816**						
	18,0	12,5-14,5	**4818**						
	20,0	14,5-16,5	**4820**						
5,0	8,0	2,5-4,5	**10715008**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,70	≥27	2.500	2.000
[+0,08/-0,15]	10,0	4,5-6,5	**5010**						
	12,0	6,5-8,5	**5012**						
Ø 5,1	16,0	10,5-12,5	**5016**						

MFX 1041

Steel
Zinc plated

Steel
Zinc plated



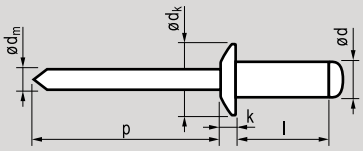
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,5-3,0	**10413006**						
[+0,08/-0,10]	8,0	3,0-5,0	**3008**						
	10,0	5,0-7,0	**3010**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,90	≥27	1.125	915
Ø 3,1	12,0	7,0-9,0	**3012**						
	14,0	9,0-11,0	**3014**						
3,2	6,0	1,5-3,0	**10413206**						
[+0,08/-0,10]	8,0	3,0-5,0	**3208**						
	10,0	5,0-7,0	**3210**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~2,00	≥27	1.285	1.060
Ø 3,3	12,0	7,0-9,0	**3212**						
	14,0	9,0-11,0	**3214**						
	16,0	11,0-13,0	**3216**						
4,0	6,0	1,5-2,5	**10414006**						
[+0,08/-0,15]	8,0	2,5-4,5	**4008**						
	10,0	4,5-6,5	**4010**						
Ø 4,1	12,0	6,5-8,5	**4012**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,50	≥27	1.990	1.550
	14,0	8,5-10,5	**4014**						
	16,0	10,5-12,5	**4016**						
	18,0	12,5-14,5	**4018**						
	20,0	14,5-16,5	**4020**						
4,8	6,0	1,0-2,5	**10414806**						
[+0,08/-0,15]	8,0	2,5-4,5	**4808**						
	10,0	4,5-6,0	**4810**						
Ø 4,9	12,0	6,0-8,0	**4812**						
	14,0	8,0-10,0	**4814**						
	16,0	10,0-11,5	**4816**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	2.920	2.300
	18,0	11,5-13,5	**4818**						
	20,0	13,5-15,0	**4820**						
	22,0	15,0-17,0	**4822**						
	25,0	17,0-20,0	**4825**						
	28,0	20,0-23,0	**4828**						
	30,0	23,0-26,0	**4830**						
5,0	8,0	2,5-4,0	**10415008**						
[+0,08/-0,15]	10,0	4,0-6,0	**5010**						
	12,0	6,0-8,0	**5012**						
Ø 5,1	14,0	8,0-10,0	**5014**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	3.255	2.575
	16,0	10,0-11,5	**5016**						
	18,0	11,5-13,5	**5018**						
	20,0	13,5-15,0	**5020**						

MFX 1041

Steel
Zinc plated

Steel
Zinc plated



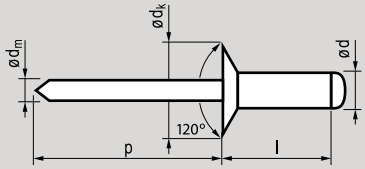
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,0	12,0	3,5-6,5	**10416012**	12,0 [+0/-1,5]	1,5 [+/-0,4]	~3,60	≥31	5.020	4.040
[+0,08/-0,15]	15,0	6,5-9,5	**6015**						
	18,0	9,5-12,5	**6018**						
Ø 6,1	22,0	13,5-16,5	**6022**						
	26,0	17,5-20,5	**6026**						
	30,0	21,5-24,5	**6030**						
6,4	12,0	3,5-6,5	**10416412**	13,0 [+0/-1,5]	1,8 [+/-0,4]	~3,85	≥31	5.415	4.355
[+0,08/-0,15]	15,0	6,5-9,5	**6415**						
	18,0	9,5-12,5	**6418**						
Ø 6,5	22,0	14,5-16,5	**6422**						
	26,0	18,5-20,5	**6426**						
	30,0	22,5-24,5	**6430**						

MFX 1044

Steel
Zinc plated

Steel
Zinc plated



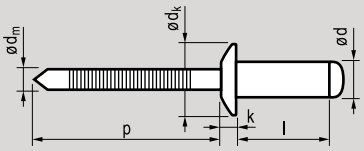
open type | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,5-3,0	**10443006**	6,0 [+0/-0,4]	-	~1,90	≥27	1.125	915
[+0,08/-0,10]	8,0	3,0-5,0	**3008**						
	10,0	5,0-7,0	**3010**						
Ø 3,1	12,0	7,0-9,0	**3012**						
3,2	6,0	1,5-3,0	**10443206**	6,0 [+0/-0,4]	-	~2,00	≥27	1.285	1.060
[+0,08/-0,10]	8,0	3,0-5,0	**3208**						
	10,0	5,0-7,0	**3210**						
Ø 3,3	12,0	7,0-9,0	**3212**						
4,0	6,0	1,5-2,5	**10444006**	7,5 [+0/-0,5]	-	~2,50	≥27	1.990	1.550
[+0,08/-0,15]	8,0	2,5-4,5	**4008**						
	10,0	4,5-6,5	**4010**						
Ø 4,1	12,0	6,5-8,5	**4012**						
	14,0	8,5-10,5	**4014**						
	16,0	10,5-12,5	**4016**						
4,8	8,0	2,5-4,5	**10444808**	9,0 [+0/-0,5]	-	~2,90	≥27	2.920	2.300
[+0,08/-0,15]	10,0	4,5-6,0	**4810**						
	12,0	6,0-8,0	**4812**						
Ø 4,9	14,0	8,0-10,0	**4814**						
	16,0	10,0-11,5	**4816**						
	18,0	11,5-13,5	**4818**						
	20,0	13,5-15,5	**4820**						

MFX 1051

Stainless steel [A2]
Polished

Stainless steel [A2]
Polished



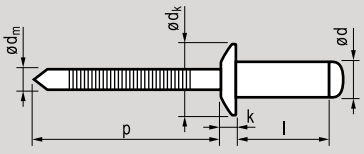
open type I dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,5-2,5	**10513006**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,90	≥27	2.000	1.600
[+0,08/-0,10]	8,0	2,5-4,5	**3008**						
	10,0	4,5-6,5	**3010**						
Ø 3,1	12,0	6,5-8,5	**3012**						
3,2	4,0	~1,5	**10513204**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~2,00	≥27	2.500	1.800
[+0,08/-0,10]	6,0	1,5-2,5	**3206**						
	8,0	2,5-4,5	**3208**						
Ø 3,3	10,0	4,5-6,5	**3210**						
	12,0	6,5-8,5	**3212**						
	15,0	8,5-12,0	**3215**						
	18,0	12,0-15,0	**3218**						
4,0	6,0	~2,0	**10514006**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,50	≥27	3.800	3.100
[+0,08/-0,15]	8,0	2,0-4,0	**4008**						
	10,0	4,0-6,0	**4010**						
Ø 4,1	13,0	7,0-9,0	**4013**						
	16,0	10,0-12,0	**4016**						
	18,0	12,0-14,0	**4018**						
	20,0	14,0-16,0	**4020**						
4,8	8,0	1,5-3,0	**10514808**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	6.000	4.500
[+0,08/-0,15]	10,0	3,0-5,0	**4810**						
	12,0	5,0-7,0	**4812**						
Ø 4,9	14,0	7,0-9,0	**4814**						
	16,0	9,0-11,0	**4816**						
	18,0	11,0-13,0	**4818**						
	20,0	13,0-15,0	**4820**						
5,0	8,0	1,5-3,0	**10515008**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	6.500	5.000
[+0,08/-0,15]	10,0	3,0-5,0	**5010**						
	12,0	5,0-7,0	**5012**						
Ø 5,1	16,0	9,0-11,0	**5016**						
6,0	12,0	4,0-6,0	**10516012**	12,0 [+0/-1,5]	1,5 [+/-0,4]	~3,60	≥31	8.830	6.500
[+0,08/-0,15]	15,0	6,0-9,0	**6015**						
	18,0	9,0-12,0	**6018**						
Ø 6,1	20,0	11,0-14,0	**6020**						
6,4	12,0	4,5-6,5	**10516412**	12,0 [+0/-1,5]	2,1 [+/-0,4]	~3,85	≥31	8.850	6.500
[+0,08/-0,15]	15,0	6,5-9,5	**6415**						
	18,0	9,5-12,5	**6418**						
Ø 6,5	20,0	11,5-14,5	**6420**						
	25,0	17,0-20,0	**6425**						

MFX 1541

Stainless steel [A4]
Polished

Stainless steel [A4]
Polished



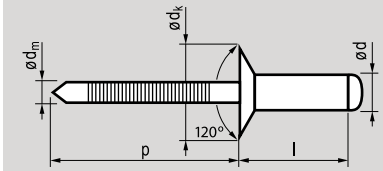
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,5-2,5	**15413006**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,90	≥27	2.000	1.600
[+0,08/-0,10]	8,0	2,5-4,5	**3008**						
	10,0	4,5-6,5	**3010**						
Ø 3,1									
3,2	6,0	1,5-2,5	**15413206**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~2,00	≥27	2.500	1.800
[+0,08/-0,10]	8,0	2,5-4,5	**3208**						
	10,0	4,5-6,5	**3210**						
Ø 3,3	12,0	6,5-8,5	**3212**						
4,0	6,0	~2,0	**15414006**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,50	≥27	3.800	3.100
[+0,08/-0,15]	8,0	2,0-4,0	**4008**						
	10,0	4,0-6,0	**4010**						
Ø 4,1	13,0	7,0-9,0	**4013**						
	16,0	10,0-12,0	**4016**						
4,8	8,0	1,5-3,0	**15414808**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,90	≥27	6.000	4.500
[+0,08/-0,15]	10,0	3,0-5,0	**4810**						
	12,0	5,0-7,0	**4812**						
Ø 4,9	14,0	7,0-9,0	**4814**						
	16,0	9,0-11,0	**4816**						
	18,0	11,0-13,0	**4818**						

MFX 1054

Stainless steel [A2]
Polished

Stainless steel [A2]
Polished



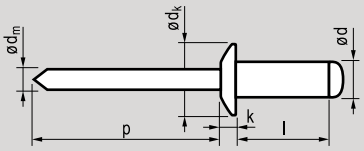
open type | countersunk head

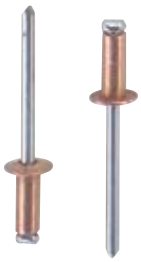
Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	1,5-2,5	**10543206**	6,0 [+0/-0,4]	-	~2,00	≥27	2.500	1.800
[+0,08/-0,10]	8,0	2,5-4,5	**3208**						
	10,0	4,5-6,5	**3210**						
Ø 3,3	12,0	6,5-8,5	**3212**						
4,0	6,0	~2,0	**10544006**	7,5 [+0/-0,5]	-	~2,50	≥27	3.800	3.100
[+0,08/-0,15]	8,0	2,0-4,0	**4008**						
	10,0	4,0-6,0	**4010**						
Ø 4,1	12,0	6,0-8,0	**4012**						
	15,0	9,0-11,0	**4015**						
4,8	8,0	1,5-3,0	**10544808**	9,0 [+0/-0,5]	-	~2,90	≥27	6.000	4.500
[+0,08/-0,15]	10,0	3,0-5,0	**4810**						
	12,0	5,0-7,0	**4812**						
Ø 4,9	15,0	8,0-10,0	**4815**						
	18,0	11,0-13,0	**4818**						
	21,0	14,0-16,0	**4821**						
	25,0	18,0-20,0	**4825**						

MFX 1101

Copper
Polished

Steel
Zinc plated





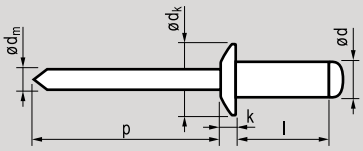
open type | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,0	6,0	1,0-3,0	**11013006**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,75	≥27	700	600
[+0,08/-0,10]	8,0	3,0-5,0	**3008**						
	10,0	5,0-7,0	**3010**						
Ø 3,1	12,0	7,0-9,0	**3012**						
3,2	6,0	1,0-3,0	**11013206**	6,5 [+0/-0,7]	0,8 [+/-0,2]	~1,95	≥27	800	700
[+0,08/-0,10]	8,0	3,0-5,0	**3208**						
	10,0	5,0-7,0	**3210**						
Ø 3,3	12,0	7,0-9,0	**3212**						
4,0	6,0	1,0-2,5	**11014006**	8,0 [+0/-1,0]	1,0 [+/-0,3]	~2,10	≥27	1.500	1.000
[+0,08/-0,15]	8,0	2,5-4,5	**4008**						
	10,0	4,5-6,5	**4010**						
Ø 4,1	12,0	6,5-8,5	**4012**						
	14,0	8,5-10,5	**4014**						
	16,0	10,5-12,5	**4016**						
4,8	8,0	1,5-3,5	**11014808**	9,5 [+0/-1,0]	1,1 [+/-0,3]	~2,70	≥27	2.000	1.500
[+0,08/-0,15]	10,0	3,5-5,5	**4810**						
	12,0	5,5-7,5	**4812**						
Ø 4,9	14,0	7,5-9,5	**4814**						
	16,0	9,5-11,5	**4816**						

MFX 1151

Copper
Polished

Bronze
Polished



open type | dome head

Ø d	l [+/-0,10]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	5,0	2,0-3,0	**11513205**						
[+0,/-0,05]	6,0	2,5-3,5	**3206**						
	7,0	3,0-4,5	**3207**	6,2 [+/-0,2]	0,8 [+/-0,2]	~2,00	≥31	1.000	800
ø 3,3	9,0	4,0-6,5	**3209**						
	10,0	5,0-7,5	**3210**						
	12,0	7,0-9,5	**3212**						

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Plastics

Plasterboard

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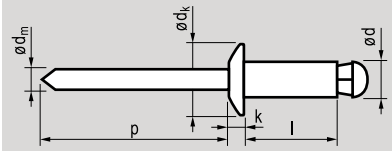
Info

MFX 1301

Aluminium [AlMg3,5]
Polished

Steel
Zinc plated



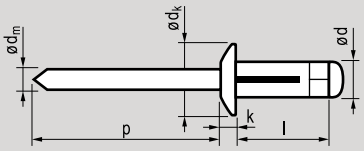
peel type | dome head

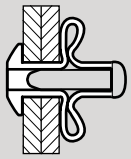
Ø d	l [+0,3/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	0,5-1,0	**13013208**						
[+/-0,15]	10,0	1,0-3,0	**3210**						
	12,0	3,0-5,0	**3212**	6,5 [+/-0,2]	1,0 [+/-0,1]	~1,80	≥27	750	820
Ø [3,7 max]	16,0	7,0-9,0	**3216**						
	18,0	9,0-11,0	**3218**						
4,0	10,0	1,5-5,0	**13014010**						
[+/-0,15]	12,0	4,0-6,5	**4012**						
	14,0	6,0-9,0	**4014**	8,0 [+/-0,4]	1,2 [+/-0,2]	~2,10	≥27	1.140	1.280
Ø [4,5 max]	16,0	8,0-11,0	**4016**						
	18,0	10,0-13,0	**4018**						
	20,0	12,0-15,0	**4020**						
4,8	10,0	1,5-4,0	**13014810**						
[+/-0,15]	12,0	2,0-6,0	**4812**						
	14,0	4,0-8,0	**4814**						
Ø [5,3 max]	16,0	6,0-10,0	**4816**						
	18,0	8,0-12,0	**4818**						
	20,0	10,0-14,0	**4820**	9,0 [+/-0,4]	1,4 [+/-0,2]	~2,70	≥27	2.450	2.100
	22,0	12,0-16,0	**4822**						
	25,0	16,0-19,0	**4825**						
	30,0	19,0-24,0	**4830**						
	35,0	24,0-29,0	**4835**						
	40,0	29,0-34,0	**4840**						

MFX 1361

Aluminium [AlMg3]
Polished

Aluminium [AlMg3]
Polished





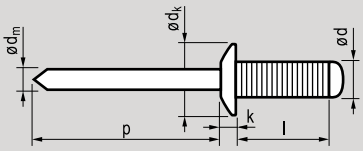
TRIFORM | dome head

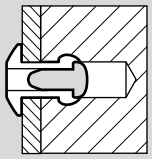
Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,0	13,6	1,0-3,0	**13614013**	8,0 [+/-0,29]	≤1,7	~2,50	≥27	800	500
[+/-0,1]	18,8	3,0-7,0	**4018**						
Ø 4,2 [4,4 max]									
4,8	15,3	1,0-3,0	**13614815**	9,6 [+/-0,29]	≤2,0	~2,90	≥27	1.100	800
[+/-0,1]	20,5	3,0-9,0	**4820**						
Ø 5,0 [5,2 max]	24,5	5,0-12,0	**4824**						

MFX 1601

Aluminium [AlMg2,5]
Polished

Steel
Zinc plated





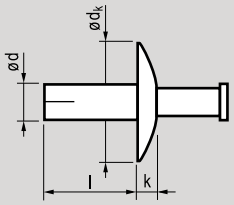
grooved type l dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	10,0	Max. 6,0	**16013210**	6,0 [+/-0,24]	≤1,4	~1,80	≥27	930	525
[+0,35/-0]	14,0	Max.10,0	**3214**						
Ø 3,4									
4,0	8,0	Max. 4,0	**16014008**	8,0 [+/-0,29]	≤1,7	~2,20	≥27	1.410	885
[+0,35/-0]	10,0	Max. 6,0	**4010**						
	12,0	Max. 8,0	**4012**						
Ø 4,3	16,0	Max.12,0	**4016**						
4,8	8,0	Max. 4,0	**16014808**	9,5 [+/-0,29]	≤2,0	~2,65	≥27	1.575	1.185
[+0,35/-0]	10,0	Max. 6,0	**4810**						
	11,0	Max. 7,0	**4811**						
Ø 5,1	12,0	Max. 8,0	**4812**						
	14,0	Max.10,0	**4814**						
	16,0	Max.12,0	**4816**						
	18,0	Max.14,0	**4818**						
	20,0	Max.16,0	**4820**						
	25,0	Max. 21,0	**4825**						
	30,0	Max. 26,0	**4830**						

MFX 1803

Aluminium [AlMg5]
Polished

Stainless steel [A2]
Polished



HAMMERDRIVE | extra large head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,8	9,0	4,5-7,0	**18034809**						
[+/-0,08]	11,0	6,5-9,0	**4811**						
	16,0	11,5-13,0	**4816**						
Ø 4,9	20,0	15,5-17,0	**4820**						
	25,0	20,5-22,0	**4825**	16,0 [+/-0,4]	2,6 [+/-0,3]	-	-	2.950	4.900
	30,0	25,5-27,0	**4830**						
	35,0	30,5-32,0	**4835**						
	40,0	35,5-37,0	**4840**						
	45,0	40,5-42,0	**4845**						
	50,0	45,5-47,0	**4850**						

Masterfix Closed end rivets

Masterfix Closed end rivets have been specially developed to combine a strong fixing with a water- or air-proof sealing.

Advantages

During setting, the rivet body expands to fill the hole enabling the rivet to withstand pressures up to 35 bar (3500 kPa)

After setting, the mandrel head is 100% retained, providing high resistance to vibration

Air- and waterproof

Higher tensile and shear strengths

Applications

Coach work

Containers

HVAC applications

Shipbuilding industry

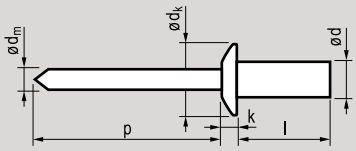
Cladding

Note: to ensure an optimum setting, a correct size of the pre-drilled hole is important with closed end rivets.

MFX 1201

Aluminium [AlMg5]
Polished

Steel
Phosphated



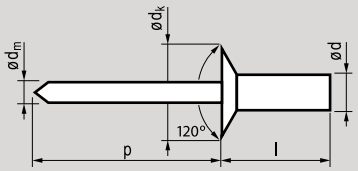
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,5	0,5-2,0	**12013206**						
[+/-0,08]	8,0	2,0-3,5	**3208**						
	9,5	3,5-5,0	**3209**	6,0 [+/-0,24]	≤1,4	~1,70	≥27	1.250	1.070
Ø 3,3	10,7	5,0-6,5	**3210**						
	12,7	6,5-8,0	**3212**						
4,0	8,0	0,5-3,5	**12014008**						
[+/-0,08]	9,5	3,5-4,5	**4009**						
	11,0	4,5-6,5	**4011**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	2.240	1.700
Ø 4,1	12,7	6,5-8,0	**4012**						
	15,0	8,0-10,5	**4015**						
4,8	8,0	1,0-3,0	**12014808**						
[+/-0,08]	9,5	3,0-4,5	**4809**						
	11,0	4,5-6,0	**4811**						
Ø 4,9	12,5	6,0-7,5	**4812**						
	14,0	7,5-9,0	**4814**	9,5 [+/-0,29]	≤2,0	~2,63	≥27	3.100	2.200
	16,0	9,0-11,0	**4816**						
	18,0	11,0-13,0	**4818**						
	21,0	13,0-16,0	**4821**						
	25,0	16,0-20,0	**4825**						
6,4	12,5	1,5-6,0	**12016412**						
[+/-0,11]	16,0	6,0-8,0	**6416**	12,7 [+/-0,35]	≤2,5	~3,70	≥31	4.900	3.950
Ø 6,5									

MFX 1204

Aluminium [AlMg5]
Polished

Steel
Phosphated



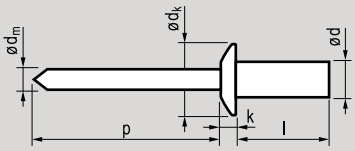
closed end | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	7,5	1,5-3,5	**12043207**	6,0 [+0/-0,4]	-	~1,70	≥27	1.245	1.070
[+/-0,08]	9,0	3,0-5,0	**3209**						
	10,5	4,5-6,5	**3210**						
Ø 3,3									
4,0	9,5	3,0-5,0	**12044009**	7,5 [+0/-0,5]	-	~2,20	≥27	2.240	1.710
[+/-0,08]	11,0	4,5-6,5	**4011**						
	12,5	6,0-8,0	**4012**						
Ø 4,1									
4,8	9,5	2,5-4,5	**12044809**	9,0 [+0/-0,5]	-	~2,65	≥27	3.070	2.230
[+/-0,08]	11,0	4,0-6,0	**4811**						
	12,5	5,5-7,5	**4812**						
Ø 4,9	14,0	7,0-9,0	**4814**						
	15,5	8,5-10,5	**4815**						
	19,0	12,0-14,0	**4819**						

MFX 1211

Aluminium [Al99,5]
Polished

Aluminium
Polished



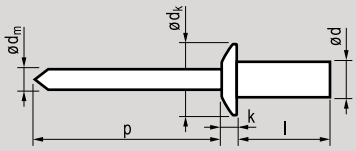
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	8,0	0,5-3,5	**12113208**	6,0 [+/-0,24]	≤1,4	~1,80	≥27	490	450
[+/-0,08]	9,5	3,5-5,5	**3209**						
Ø 3,3									
4,0	9,5	0,5-5,0	**12114009**	8,0 [+/-0,29]	≤1,7	~2,20	≥27	820	580
[+/-0,08]	12,5	5,0-8,0	**4012**						
Ø 4,1									
4,8	9,5	1,0-4,5	**12114809**	9,5 [+/-0,29]	≤2,0	~2,65	≥27	1.120	900
[+/-0,08]	11,5	4,5-6,5	**4811**						
	14,5	6,5-9,5	**4814**						
Ø 4,9	18,0	9,5-13,0	**4818**						

MFX 1231

Aluminium [AlMg5]
Polished

Stainless steel [A2]
Polished



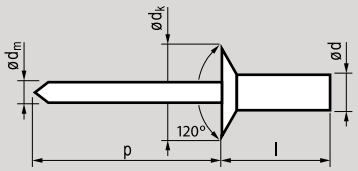
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,5	0,5-2,0	**12313206**						
[+/-0,08]	8,0	2,0-3,5	**3208**						
	9,5	3,5-5,0	**3209**	6,0 [+/-0,24]	≤1,4	~1,70	≥27	1.250	1.070
Ø 3,3	11,0	5,0-6,5	**3211**						
	12,7	6,5-8,0	**3212**						
4,0	8,0	0,5-3,5	**12314008**						
[+/-0,08]	9,5	3,5-4,5	**4009**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	2.240	1.700
	11,0	4,5-6,5	**4011**						
Ø 4,1	12,7	6,5-8,0	**4012**						
4,8	8,0	1,0-,3,0	**12314808**						
[+/-0,08]	9,5	3,0-4,5	**4809**						
	11,0	4,5-6,0	**4811**						
Ø 4,9	12,5	6,0-7,5	**4812**	9,5 [+/-0,29]	≤2,0	~2,63	≥27	3.100	2.200
	14,0	7,5-9,0	**4814**						
	16,0	9,0-11,0	**4816**						
	18,0	11,0-13,0	**4818**						
	21,0	13,0-16,0	**4821**						

MFX 1234

Aluminium [AlMg5]
Polished

Stainless steel [A2]
Polished



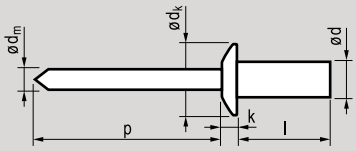
closed end | countersunk head

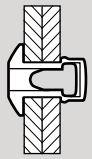
Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	9,0	3,0-5,0	**12343209**	6,0 [+0/-0,4]	-	~1,70	≥27	1.245	1.070
[+/-0,08]									
Ø 3,3									
4,0	9,5	3,0-5,0	**12344009**	7,5 [+0/-0,5]	-	~2,20	≥27	2.240	1.710
[+/-0,08]	11,0	4,5-6,5	**4011**						
Ø 4,1									
4,8	11,0	4,0-6,0	**12344811**	9,0 [+0/-0,5]	-	~2,63	≥27	3.070	2.230
[+/-0,08]	14,0	7,0-9,0	**4814**						
Ø 4,9	18,0	11,0-13,0	**4818**						

MFX 1241

Steel
Zinc plated

Steel
Zinc plated





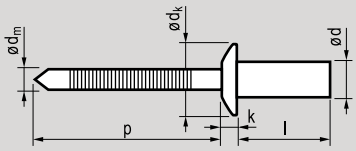
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	0,5-1,5	**12413206**						
[+0,08/-0,10]	8,0	1,5-3,0	**3208**	6,0 [+/-0,24]	1,0 [+/- 0,3]	~1,90	≥27	2.200	1.600
	9,5	3,0-5,0	**3209**						
Ø 3,3	12,0	5,0-7,0	**3212**						
4,0	6,0	0,5-1,5	**12414006**						
[+0,08/-0,10]	8,0	1,5-3,0	**4008**						
	10,0	3,0-5,0	**4010**	8,0 [+/-0,29]	1,4 [+/- 0,3]	~2,30	≥27	2.500	2.300
Ø 4,1	12,0	5,0-6,5	**4012**						
	15,0	6,5-10,5	**4015**						
4,8	8,0	1,0-3,0	**12414808**						
[+0,08/-0,10]	9,5	3,0-5,0	**4809**	9,5 [+/-0,29]	1,7 [+/- 0,3]	~2,90	≥27	3.800	2.900
	12,0	5,0-6,5	**4812**						
Ø 4,9	16,0	6,5-10,5	**4816**						

MFX 1261

Stainless steel [A2]
Polished

Stainless steel [A2]
Polished



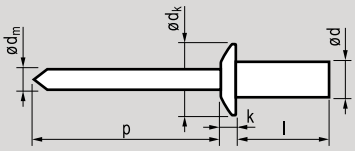
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,0	0,5-1,5	**12613206**	6,0 [+/-0,24]	≤1,4	~1,90	≥27	2.500	2.000
[+0,08/-0,10]	8,0	1,5-3,0	**3208**						
	9,5	3,0-5,0	**3209**						
Ø 3,3	12,0	5,0-7,0	**3212**						
4,0	6,0	0,5-1,5	**12614006**	8,0 [+/-0,29]	≤1,7	~2,30	≥27	4.000	3.000
[+0,08/-0,10]	8,0	1,5-3,0	**4008**						
	9,5	3,0-5,0	**4009**						
Ø 4,1	12,0	5,0-6,5	**4012**						
	16,0	6,5-10,5	**4016**						
4,8	8,0	1,0-3,0	**12614808**	9,5 [+/-0,29]	≤2,0	~2,90	≥27	5.500	4.500
[+0,08/-0,10]	9,5	3,0-5,0	**4809**						
	12,0	5,0-6,5	**4812**						
Ø 4,9	16,0	6,5-10,5	**4816**						
	20,0	10,5-14,0	**4820**						

MFX 1251

Copper
Polished

Steel
Protection layer



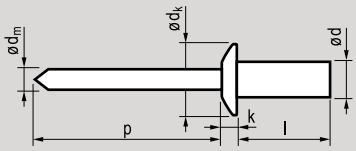
closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,5	0,5-1,5	**12513206**	6,0 [+/-0,24]	≤1,4	~1,70	≥27	1.300	850
[+0,08/-0,10]	8,0	1,5-3,0	**3208**						
	9,5	2,5-4,5	**3209**						
Ø 3,3	12,5	4,5-7,5	**3212**						
4,0	8,0	0,5-2,0	**12514008**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	2.000	1.350
[+0,08/-0,10]	10,0	2,0-4,0	**4010**						
Ø 4,1									
4,8	9,5	1,0-2,5	**12514809**	9,5 [+/-0,29]	≤2,0	~2,63	≥27	2.800	1.950
[+0,08/-0,10]	11,5	2,5-4,5	**4811**						
Ø 4,9									

MFX 1281

Copper
Polished

Stainless steel [A2]
Polished



closed end | dome head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
3,2	6,5	0,5-1,5	**12813206**	6,0 [+/-0,24]	≤1,4	~1,70	≥27	1.300	850
[+0,08/-0,10]	8,0	1,0-3,0	**3208**						
	9,5	2,5-4,5	**3209**						
Ø 3,3	12,5	5,5-7,5	**3212**						
4,0	8,0	0,5-3,0	**12814008**	8,0 [+/-0,29]	≤1,7	~2,18	≥27	2.000	1.350
[+0,08/-0,10]	10,0	3,0-5,0	**4010**						
Ø 4,1									

Masterfix High strength rivets

Masterfix High strength rivets are especially designed for heavy applications, for example in the automotive industry and in the construction industry. In short, everywhere, where high loads are combined with a need for reliability.
High strength rivets are known for their high tensile and shear strengths and mandrel retention capacity.

MASTERLOCK

The Masterlock has been engineered to fulfil a market need for a high clamp blind fastener, for thin sheet applications. Large diameter head and broad secondary flange diffuses the load over a large area, ensuring permanent clamp. This unique fastener also offers a tapered hole-seeking tip, which ensures quick and easy installation.

P-LOCK

The blind rivet with a multigrip clamping range and a high tensile and shear strength offers a high resistance to vibrations and a good watertight connection. After setting, the rest mandrel is retained in the body permanently, because of the special mandrel locking system.
To set this rivet no special tooling or “nose piece” on the tool is needed.

Advantages

The special locking mechanism increases the clamping force
After setting, the mandrel is locked permanently
A 100% watertight connection
High resistance to vibrations
Large clamping capacity
No special nose piece needed

Applications

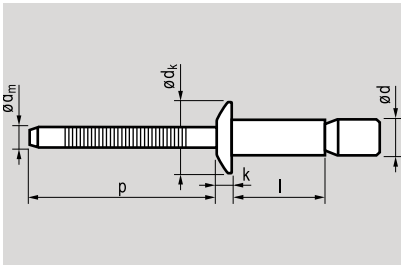
Automotive industry
Containers
Coach works
Truck building
Construction work

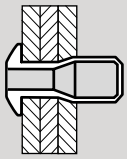
Info

MFX 1791

Steel
Zinc plated

Steel
Zinc plated





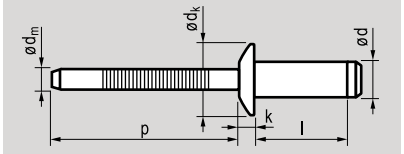
P-LOCK | high strength | dome head

Ø d	l [+/-0,99]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	14,0	2,0-9,5	**17916414**	13,0 [+/-0,35]	≤3,1	~4,00	≥27	10.000	11.700
[+/-0,11]	20,0	2,0-15,9	**6420**						
Ø 6,6 [6,9 max]									

MFX 1471

Steel
Zinc plated

Steel
Zinc plated



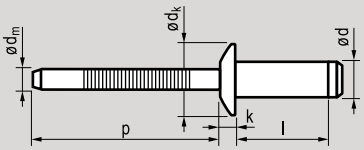
MASTERLOCK | high strength | dome head

Ø d	l [+1/-0,3]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
4,8	9,0	1,5-3,5	**14714809**	9,8 [+/-0,3]	2,2 [+/-0,2]	~3,02	≥32	3.600	min. 3.920 max. 6.270
[+0,11/-0,05]	11,5	3,5-6,0	**4811**						
	14,0	6,0-8,5	**4814**						
Ø 4,9 [5,1 max]	16,5	8,5-11,0	**4816**						
6,4	10,5	2,8-4,8	**14716410**	13,0 [+/-0,3]	3,0 [+/-0,2]	~4,17	≥32	6.600	min. 5.390 max. 11.180
[+0,11/-0,05]	12,5	4,8-6,8	**6412**						
	14,5	6,8-8,8	**6414**						
Ø 6,6 [6,8 max]	16,5	8,8-10,8	**6416**						
	18,5	10,8-12,8	**6418**						
	20,5	12,8-14,8	**6420**						

MFX 1561

Steel
Zinc plated

Steel
Zinc coated



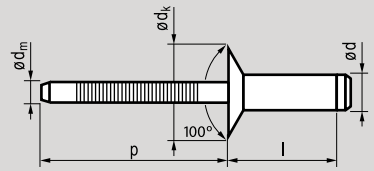
MASTERLOCK Ⅱ | high strenght | dome head

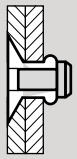
Ø d	l max.		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	12,5	2,8-4,8	**15616412**						
[+0,2/-0,1]	14,5	4,8-6,8	**6414**						
	16,5	6,8-8,8	**6416**	13,6 max	3,3 max	~4,00	≥25	7.120	11.560
Ø 6,65 [6,90 max]	18,5	8,8-10,8	**6418**						
	20,5	10,8-12,8	**6420**						
	22,5	12,8-14,8	**6422**						

MFX 1474

Steel
Zinc plated

Steel
Zinc plated





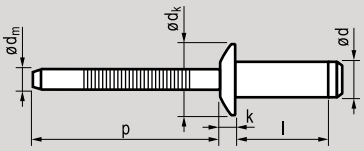
MASTERLOCK | high strength | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	11,5	3,8-5,8	**14746411**						
[+0,11/-0,05]	12,5	4,8-6,8	**6412**						
	13,5	5,8-7,8	**6413**	10,0 [+/-0,3]	2,0 [+/-0,2]	~4,17	≥32	5.490	min. 5.390 max. 10.300
Ø 6,6 [6,8 max]	15,5	7,8-9,8	**6415**						
	17,5	9,8-11,8	**6417**						
	19,5	11,8-13,8	**6419**						

MFX 1511

Aluminium [AlMg2,5]
Polished

Aluminium [AlMg6,0]
Polished



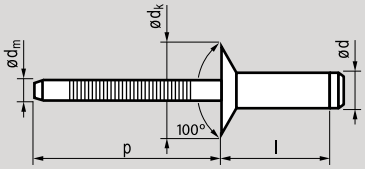
MASTERLOCK | high strenght | dome head

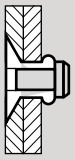
Ø d	l [+/-0,3]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	10,5	2,8-4,8	**15116410**						
[+0,11/-0,05]	12,5	4,8-6,8	**6412**						
	14,5	6,8-8,8	**6414**	13,0 [+0/-0,3]	3,0 [+/-0,2]	~4,17	≥32	3.500	5.000
Ø 6,6 [6,8 max]	16,5	8,8-10,8	**6416**						
	18,5	10,8-12,8	**6418**						
	20,5	12,8-14,8	**6420**						

MFX 1514

Aluminium [AlMg2,5]
Polished

Aluminium [AlMg6,0]
Polished

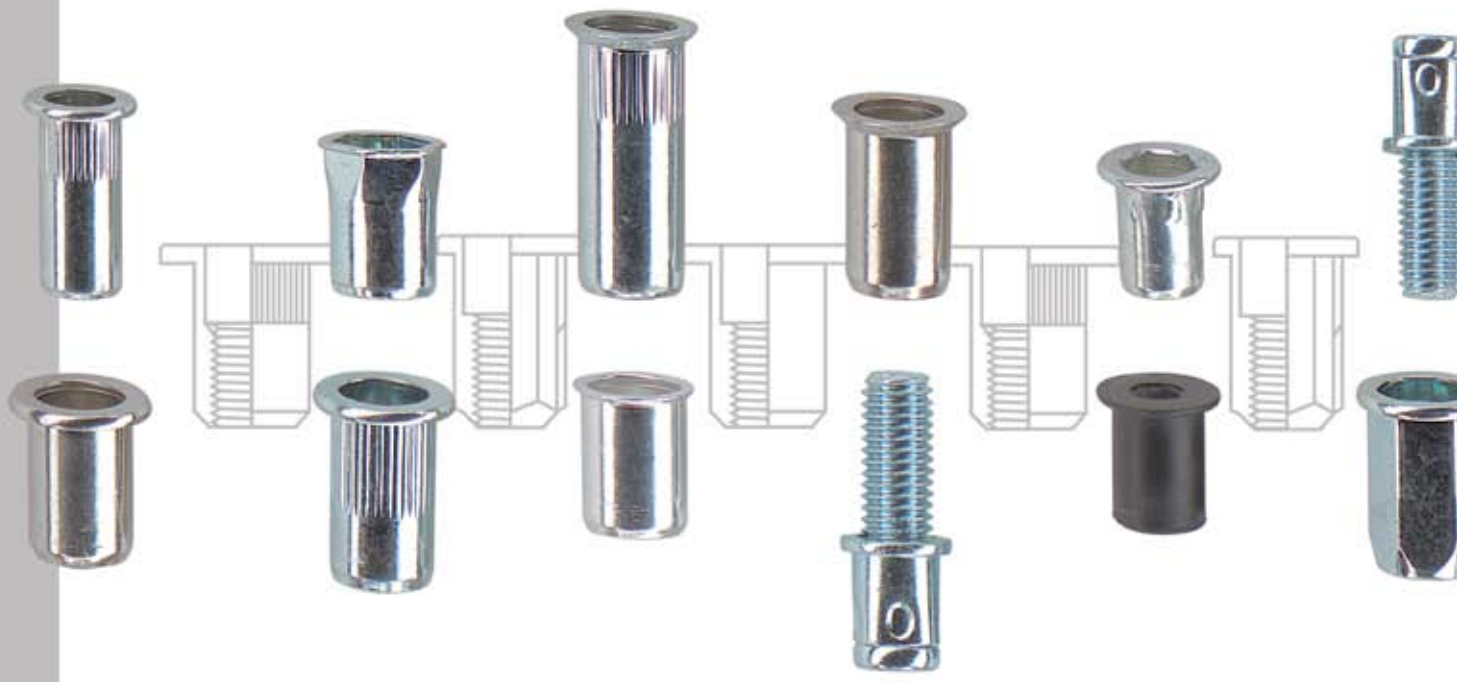




MASTERLOCK | high strenght | countersunk head

Ø d	l [+1/-0,2]		Item nr.	Ø d_k	k	Ø d_m	p		
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[N]	[N]
6,4	11,5	3,8-5,8	**15146411**						
[+0,11/-0,05]	13,5	5,8-7,8	**6413**						
	15,5	7,8-9,8	**6415**	10,0 [+0/-0,3]	2,0 [+/-0,2]	~4,17	≥32	3.000	4.000
Ø 6,6 [6,8 max]	17,5	9,8-11,8	**6417**						
	18,5	11,8-13,8	**6418**						
	21,5	13,8-15,8	**6421**						

Notes



Blind rivet nuts and bolts

MASTERFIX®

Masterfix Mastergrip Blind rivet nuts and bolts

The Mastergrip blind rivet nuts and Masterbold range is a highly specialized range of over 20 different series of blind rivet nuts and bolts.

We offer in our standard stock program a wide variety of	
Sizes	: M3 up to M12
Alloys	: aluminium, steel, stainless steel (A2), Neoprene
Head types	: cylindrical, countersunk, reduced countersunk
Body types	: round, hexagonal, open and closed end.

The Mastergrip Blind rivet nuts in steel are equipped with serrated bodies, thus providing higher resistance to torque after setting in soft material.
The diameters of the Mastergrip Blind rivet nuts are adapted to the use of standard drill diameters.

The Masterbolt is a blind riveting bolt providing an external thread-connection and is available in 4 different thread sizes of each 4 different lengths. **All Masterbolts serve an 8.8 strength class.**

Advantages

Can be easily set in thin material
The time consuming tapping of a thread or welding of a blind rivet nut will now no longer be required

Blind rivet nuts have the same properties as a tapped thread in full material, because of the strong "flush flange" after deformation of the rivet nuts

Can be set from one side, where the rear of the material and the inside of the object are inaccessible

The material will not be damaged

Will not deform or cause discolouration of the material

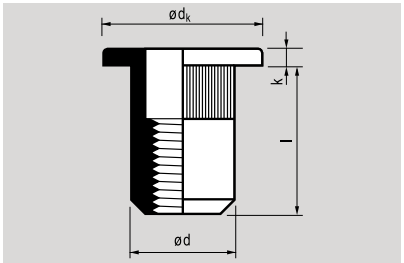
Applications

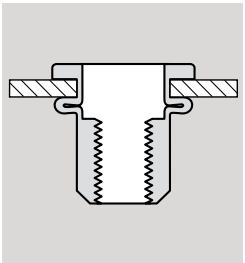
Automotive industry
HVAC applications
Shipbuilding industry
Hinges
Furniture
Window frames

Info

MFX 23-CO

Steel
Zinc plated



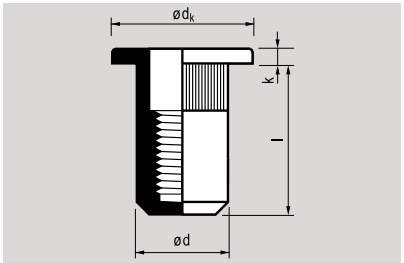


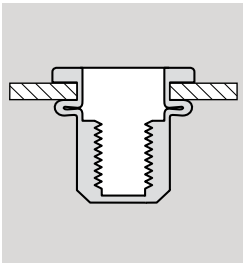
MASTERGRIP | open type | cylindrical head

Ø d	l [+0,6/-0,1]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M3	10,0	0,5-3,0	**23M03CO30**	7,0 [+0/-0,5]	≤0,9	4,9	3,0	4.900	990
Ø 5,0									
M4	10,0	0,3-3,0	**23M04CO30**	9,0 [+0/-0,5]	≤1,1	5,9	4,5	7.840	1.660
	11,5	3,1-4,0	**CO40**	9,0 [+0/-0,5]	≤1,1	5,9	4,5	7.840	1.660
Ø 6,0									
M5	12,0	0,3-3,0	**23M05CO30**	10,0 [+0/-0,5]	≤1,1	6,9	6,0	11.070	2.760
	15,0	3,1-4,0	**CO40**	10,0 [+0/-0,5]	≤1,1	6,9	6,0	11.070	2.760
Ø 7,0									
M6	14,5	0,5-3,0	**23M06CO30**	12,0 [+0/-0,5]	≤1,6	8,9	20,0	17.640	3.430
	16,0	3,1-4,5	**CO45**	12,0 [+0/-0,5]	≤1,6	8,9	20,0	17.640	3.430
Ø 9,0									
M8	16,0	0,5-3,0	**23M08CO30**	15,0 [+0/-0,5]	≤1,6	10,9	29,0	27.440	4.410
	18,5	3,1-5,5	**CO55**	15,0 [+0/-0,5]	≤1,6	10,9	29,0	27.440	4.410
Ø 11,0									
M10	17,0	0,5-3,0	**23M10CO30**	16,0 [+0/-0,5]	≤2,1	11,9	32,0	28.420	4.900
	22,0	3,0-6,0	**CO60**	16,0 [+0/-0,5]	≤2,1	11,9	32,0	28.420	4.900
Ø 12,0									
M12	23,0	1,0-4,0	**23M12CO40**	22,0 [+0/-0,5]	≤2,1	15,9	43,7	48.020	6.860
Ø 16,0									

MFX 23-CG

Steel
Zinc plated



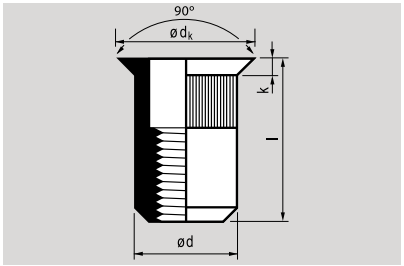


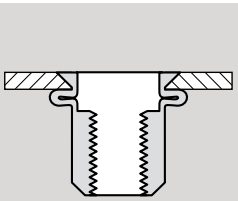
MASTERGRIP | closed end | cylindrical head

Ø d [mm]	l [+0,1/-0,6] [mm]	[mm]	Item nr.	Ø d_k [mm]	k [mm]	Ø d [+0/-0,12] [mm]	[Nm]	[N]	[N]
M4 Ø 6,0	15,5	0,3-3,0	**23M04CG30**	9,0 [+0/-0,5]	≤1,1	5,9	4,5	7.840	1.660
M5 Ø 7,0	18,0	0,3-3,0	**23M05CG30**	10,0 [+0/-0,5]	≤1,1	6,9	6,0	11.074	2.760
M6 Ø 9,0	20,5	0,5-3,0	**23M06CG30**	12,0 [+0/-0,5]	≤1,6	8,9	20,0	17.640	3.430
M8 Ø 11,0	25,0	0,5-3,0	**23M08CG30**	15,0 [+0/-0,5]	≤1,6	10,9	29,0	27.440	4.410

MFX 23-VO

Steel [A2]
Polished



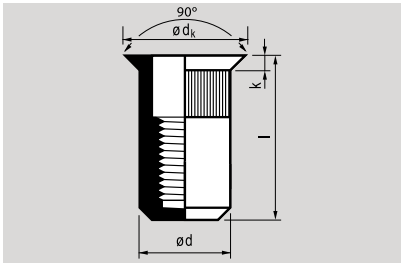


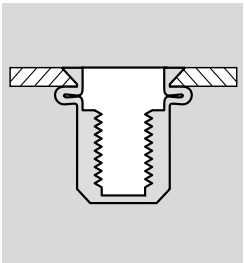
MASTERGRIP | open type | countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	11,5	2,0-3,5	**23M04VO35**	9,0 [+0,3/-0,7]	≤1,7	5,9	4,0	7.860	2.210
Ø 6,0									
M5	13,5	2,0-4,0	**23M05VO40**	10,0 [+0,3/-0,7]	≤1,7	6,9	5,0	10.780	2.320
Ø 7,0									
M6	16,0	2,0-4,5	**23M06VO45**	12,0 [+0,3/-0,7]	≤1,7	8,9	16,0	16.660	3.660
Ø 9,0									
M8	19,0	2,0-4,5	**23M08VO45**	14,0 [+0,3/-0,7]	≤1,7	10,9	18,0	30.840	4.720
Ø 11,0									
M10	21,0	2,0-4,5	**23M10VO45**	14,7 [+0/-0,4]	≤1,7	11,9	28,0	34.300	5.050
Ø 12,0									

MFX 23-VG

Steel
Zinc plated



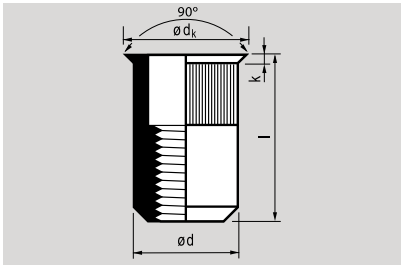


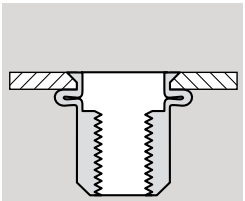
MASTERGRIP | closed end | countersunk head

Ø d [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	17,5	2,0-3,5	**23M04VG35**	9,0 [+-0,3/-0,7]	≤1,7	5,9	4,0	7.860	2.210
Ø 6,0									
M5	20,5	2,0-4,0	**23M05VG40**	10,0 [+-0,3/-0,7]	≤1,7	6,9	5,0	10.780	2.320
Ø 7,0									
M6	23,5	2,0-4,5	**23M06VG45**	12,0 [+-0,3/-0,7]	≤1,7	8,9	16,0	16.660	3.660
Ø 9,0									
M8	28,0	2,0-4,5	**23M08VG45**	14,0 [+-0,3/-0,7]	≤1,7	10,9	18,0	30.840	4.720
Ø 11,0									

MFX 27-VO

Steel
Zinc plated



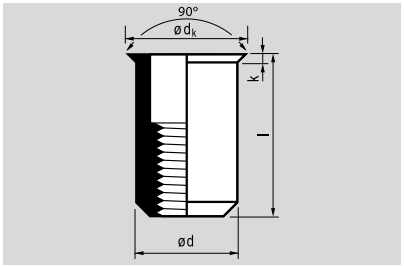


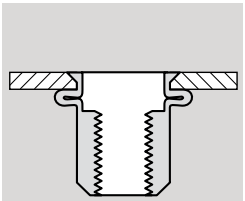
MASTERGRIP | open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,0	0,5-3,0	**27M04VO30**	7,0 [+0/-0,5]	≤0,7	5,9	4,0	6.470	1.620
Ø 6,0									
M5	11,5	0,5-3,0	**27M05VO30**	8,0 [+0/-0,5]	≤0,7	6,9	5,0	9.090	2.190
Ø 7,0									
M6	14,0	0,5-3,0	**27M06VO30**	10,0 [+0/-0,5]	≤0,7	8,9	15,0	16.660	2.350
Ø 9,0									
M8	15,5	0,5-3,0	**27M08VO30**	12,0 [+0/-0,3]	≤0,7	10,9	18,0	21.610	2.840
Ø 11,0									
M10	20,0	0,8-3,5	**27M10VO35**	13,5 [+0/-0,5]	≤0,9	11,9	30,0	31.750	4.260
Ø 12,0									

MFX 26-KVO

Steel
Zinc plated



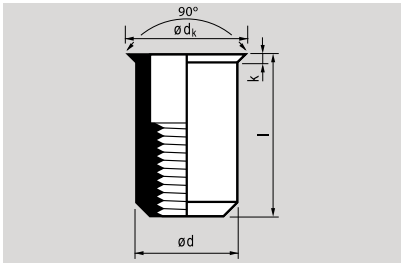


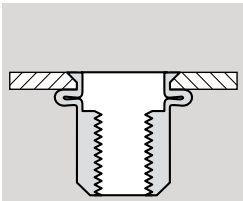
open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0,03/-0,10]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M3	9,0	0,5-1,5	**26M03KVO15**	5,4 [+0/-0,3]	≤0,6	4,7	1,5	2.690	980
Ø 4,8									
M4	10,4	0,5-2,0	**26M04KVO20**	6,9 [+0/-0,3]	≤0,6	6,3	5,0	6.800	1.080
Ø 6,4									
M5	11,8	0,5-3,0	**26M05KVO30**	7,7 [+0/-0,3]	≤0,6	7,1	8,0	8.000	1.470
Ø 7,2									
M6	14,6	0,7-3,3	**26M06KVO33**	10,5 [+0/-0,3]	≤0,8	9,5	12,5	11.400	1.960
Ø 9,6									
M8	16,0	0,9-3,7	**26M08KVO37**	11,5 [+0/-0,3]	≤0,8	10,6	16,5	15.700	2.940
Ø 10,6									
M10	18,5	1,0-3,6	**26M10KVO36**	15,3 [+0/-0,3]	≤0,8	14,2	34,0	18.700	3.920
Ø 14,2									

MFX 2C6-VO

Steel
Zinc plated



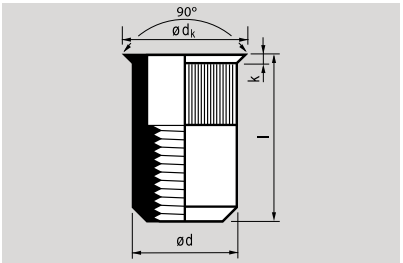


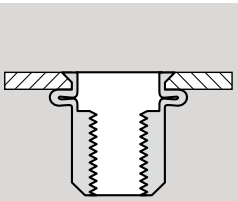
open type | reduced countersunk head

Ø d	l		Item nr.	Ø d_k	k	Ø d			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,5	0,5-3,0	**2C6M04VO30**	8,0	≤0,5	7,0	-	-	-
Ø 7,0									
M5	11,5	0,5-3,0	**2C6M05VO30**	8,0	≤0,5	7,0	-	-	-
Ø 7,0									
M6	13,0	0,5-3,0	**2C6M06VO30**	9,0	≤0,5	8,0	-	-	-
Ø 8,0									
M8	15,5	0,5-3,0	**2C6M08VO30**	11,0	≤0,5	9,9	-	-	-
Ø 10,0									

MFX 2C7-VO

Steel
Zinc plated



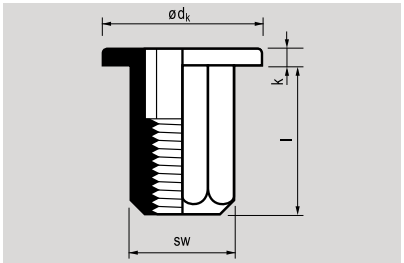


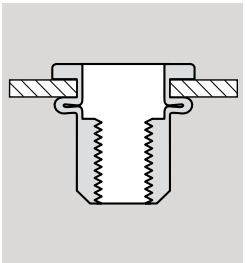
open type | reduced countersunk head

Ø d	l		Item nr.	Ø d_k	k	Ø d			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,5	0,5-3,0	**2C7M04VO30**	8,0	≤0,5	7,0	-	-	-
Ø 7,0									
M5	11,5	0,5-3,0	**2C7M05VO30**	8,0	≤0,5	7,0	-	-	-
Ø 7,0									
M6	13,0	0,5-3,0	**2C7M06VO30**	9,0	≤0,5	8,0	-	-	-
Ø 8,0									
M8	15,5	0,5-3,0	**2C7M08VO30**	11,0	≤0,5	9,9	-	-	-
Ø 10,0									

MFX 23-HCO

Steel
Zinc plated



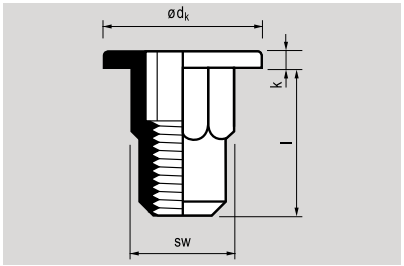


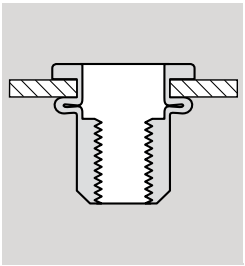
MASTERGRIP | open type | cylindrical head

Ø d	l [+/- 0,4]		Item nr.	Ø d_k	k	SW [+0/-0,2]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	11,5	0,5-3,0	**23H04CO30**	9,3 [+/-0,3]	≤1,1	6,0	8,0	6.270	2.330
SW1 6,1									
M5	13,5	0,5-3,0	**23H05CO30**	10,3 [+/-0,3]	≤1,1	7,0	12,0	10.780	3.610
SW1 7,1									
M6	15,5	0,5-3,0	**23H06CO30**	12,3 [+/-0,2]	≤1,7	9,0	20,5	17.640	4.220
SW1 9,1									
M8	17,5	0,5-3,0	**23H08CO30**	14,3 [+/-0,2]	≤1,7	11,0	26,5	27.440	4.900
SW1 11,1									
M10	22,0	1,0-4,0	**23H10CO40**	16,3 [+/-0,2]	≤2,2	13,0	40,0	29.400	5.880
SW1 13,1									

MFX 2CO-HTCO

Steel
Zinc plated



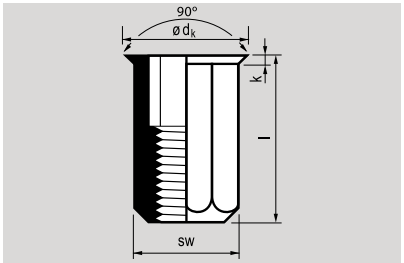


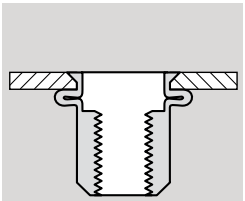
open type | cylindrical head

Ø d	l		Item nr.	Ø d_k	k	SW			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,5	0,3-2,0	**2C0HT04CO20**	9,0	≤0,8	5,9	3,0	6.800	2.200
SW1 6,0									
M5	13,0	0,7-3,0	**2C0HT05CO30**	10,0	≤1,0	6,9	6,0	10.000	3.300
SW1 7,0									
M6	16,0	0,5-3,0	**2C0HT06CO30**	13,0	≤1,5	8,9	10,0	15.000	4.400
SW1 9,0									
M8	17,0	0,5-3,5	**2C0HT08CO30**	16,0	≤1,5	10,9	24,0	27.000	5.200
SW1 11,0									

MFX 23-HKVO

Steel
Zinc plated



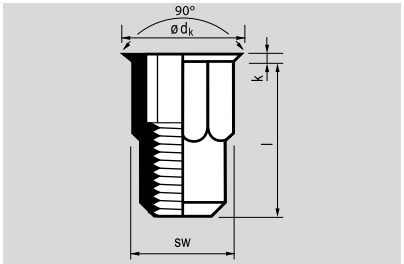


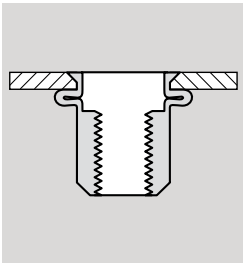
MASTERGRIP | open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	SW [+0/-0,2]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	12,0	0,5-2,5	**23H04KVO25**	7,0 [+0/-0,5]	≤1,0	6,0	5,0	3.530	1.470
SW1 6,1									
M5	14,0	0,5-2,5	**23H05KVO25**	8,0 [+/-0,2]	≤1,0	7,0	7,0	4.900	1.760
SW1 7,1									
M6	16,0	0,5-2,5	**23H06KVO25**	10,0 [+/-0,2]	≤1,0	9,0	14,0	14.700	2.940
SW1 9,1									
M8	18,0	0,5-2,5	**23H08KVO25**	12,0 [+/-0,2]	≤1,0	11,0	21,0	21.560	3.020
SW1 11,1									
M10	22,0	0,5-4,0	**23H10KVO40**	14,0 [+0/-0,5]	≤1,0	13,0	35,0	29.400	3.430
SW1 13,1									

MFX 23-HTKVO

Steel
Zinc plated



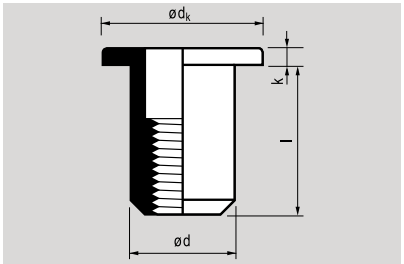


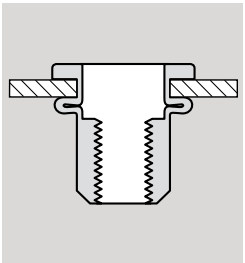
MASTERGRIP | open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	SW [+0/-0,2]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	11,0	1,5-2,5	**23HT04KVO25**	7,0 [+-0,4/-0]	≤0,8	6,0	5,0	3.530	1.470
SW1 6,1									
M5	12,0	1,5-2,5	**23HT05KVO25**	8,0 [+-0,4/-0]	≤0,8	7,0	7,0	4.900	1.760
SW1 7,1									
M6	14,0	1,0-2,5	**23HT06KVO25**	10,0 [+-0,4/-0]	≤0,8	9,0	14,0	14.700	2.940
SW1 9,1									
M8	15,5	1,0-2,5	**23HT08KVO25**	12,0 [+-0,5/-0]	≤0,8	11,0	21,0	21.560	3.020
SW1 11,1									
M10	18,0	1,0-2,5	**23HT10KVO25**	14,0 [+-0,5/-0]	≤0,8	13,0	35,0	29.400	3.430
SW1 13,1									

MFX 24-CO

Stainless steel [A2]
Polished



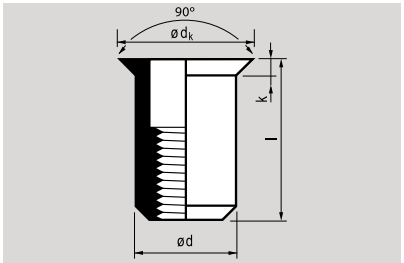


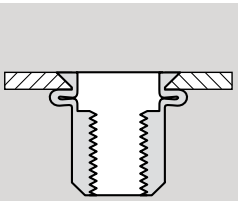
MASTERGRIP | open type | cylindrical head

Ø d	l		Item nr.	Ø d_k	k	Ø d [+0/-0,2]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,0 [+0/-1,3]	0,3-2,5	**24M04CO25**	9,0 [+0/-0,5]	≤1,1	5,9	7,0	6.860	2.640
	11,5 [+0/-1,3]	2,5-4,0	**CO40**	9,0 [+0/-0,5]	≤1,1	5,9	7,0	6.860	2.640
Ø 6,0									
M5	12,0 [+0/-1,3]	0,3-3,0	**24M05CO30**	10,0 [+0/-0,5]	≤1,1	6,9	10,0	11.760	2.940
	13,5 [+0/-1,3]	3,1-4,0	**CO40**	10,0 [+0/-0,5]	≤1,1	6,9	12,0	11.760	3.920
Ø 7,0									
M6	14,5 [+0/-1,8]	0,5-3,0	**24M06CO30**	12,0 [+0/-0,5]	≤1,6	8,9	20,0	18.620	4.900
	16,0 [+0/-1,8]	3,1-4,5	**CO45**	12,0 [+0/-0,5]	≤1,6	8,9	22,0	20.580	5.630
Ø 9,0									
M8	16,0 [+0/-1,8]	0,5-3,0	**24M08CO30**	15,0 [+0/-0,5]	≤1,6	10,9	28,0	24.500	6.860
	18,5 [+0/-1,8]	3,1-5,5	**CO55**	15,0 [+0/-0,5]	≤1,6	10,9	29,0	26.460	6.860
Ø 11,0									
M10	17,0 [+0/-2,3]	0,5-3,0	**24M10CO30**	16,0 [+0/-0,5]	≤2,1	12,9	38,0	29.400	7.840
	20,0 [+0/-2,3]	3,1-5,5	**CO55**	16,0 [+0/-0,5]	≤2,1	12,9	39,0	35.280	7.840
Ø 13,0									

MFX 24-VO

Stainless steel [A2]
Polished



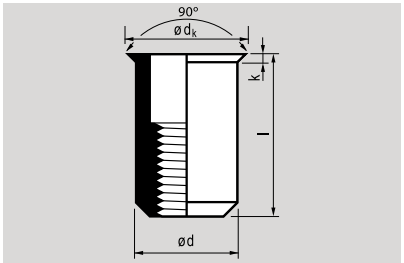


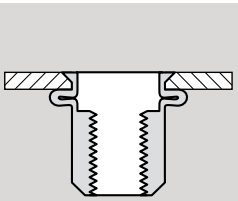
MASTERGRIP | open type | countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	11,5	2,0-3,5	**24M04VO35**	9,0 [+0/-0,5]	≤1,8	5,9	9,0	10.130	3.720
Ø 6,0									
M5	13,5	2,0-4,0	**24M05VO40**	10,0 [+1/-1,5]	≤1,8	6,9	10,5	12.250	4.020
Ø 7,0									
M6	16,0	2,0-4,5	**24M06VO45**	12,0 [+1/-1,5]	≤1,8	8,9	21,0	20.580	5.560
Ø 9,0									
M8	19,0	2,0-4,5	**24M08VO45**	14,0 [+1/-1,5]	≤1,8	10,9	31,0	28.070	7.640
Ø 11,0									
M10	21,0	2,0-4,5	**24M10VO45**	16,0 [+3/-3,5]	≤1,8	12,9	32,0	32.790	8.110
Ø 13,0									

MFX 24-KVO

Stainless steel [A2]
Polished



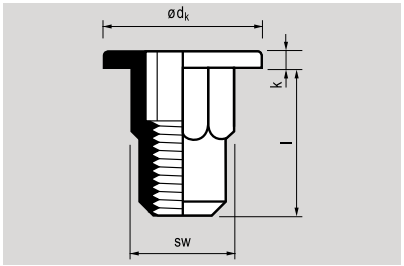


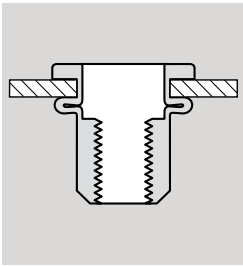
MASTERGRIP | open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,0	0,5-2,5	**24M04KVO25**	7,0 [+0/-0,5]	≤0,9	5,9	9,0	6.860	2.940
Ø 6,0									
M5	11,5	0,5-3,0	**24M05KVO30**	8,0 [+0/-0,5]	≤0,9	6,9	10,5	11.760	4.030
Ø 7,0									
M6	14,0	0,5-3,0	**24M06KVO30**	10,0 [+0/-0,5]	≤0,9	8,9	21,0	18.620	5.230
Ø 9,0									
M8	15,5	0,5-3,0	**24M08KVO30**	12,0 [+0/-0,5]	≤0,9	10,9	31,0	25.480	5.400
Ø 11,0									
M10	19,5	0,8-3,5	**24M10KVO35**	14,5 [+0/-0,5]	≤1,1	12,9	32,0	33.320	5.880
Ø 13,0									

MFX 24-HCO

Stainless steel [A2]
Polished



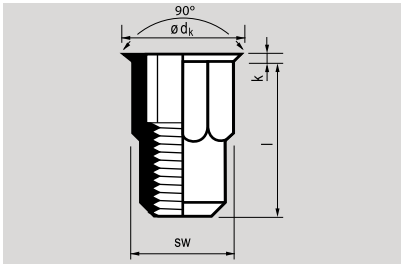


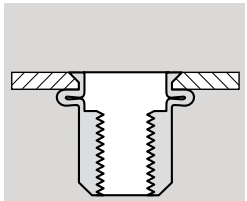
MASTERGRIP | open type | cylindrical head

Ø d	l		Item nr.	Ø d_k	k	SW [+0/-0,12]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	11,5 [+0/-1,3]	0,5-2,5	**24H04CO25**	9,3 [+0,2/-0,3]	≤1,1	6,0	12,0	10.190	2.680
SW1 6,1									
M5	13,5 [+0/-1,3]	0,5-3,0	**24H05CO30**	10,3 [+0,2/-0,3]	≤1,1	7,0	14,0	12.740	3.430
SW1 7,1									
M6	15,5 [+0/-1,8]	0,5-3,0	**24H06CO30**	12,3 [+0,2/-0,3]	≤1,6	9,0	26,0	19.600	4.700
SW1 9,1									
M8	17,5 [+0/-1,8]	0,5-3,0	**24H08CO30**	14,3 [+0,5/-0,1]	≤1,6	11,0	39,0	37.240	6.860
SW1 11,1									
M10	22,0 [+0/-2,3]	1,0-4,0	**24H10CO40**	16,3 [+0,2/-0,3]	≤2,1	13,0	45,0	63.700	6.820
SW1 13,1									

MFX 24-HKVO

Stainless steel [A2]
Polished



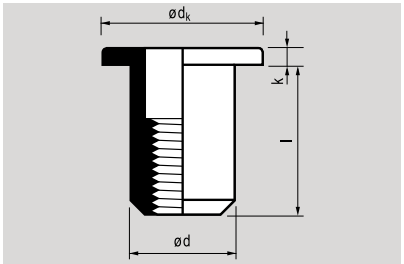


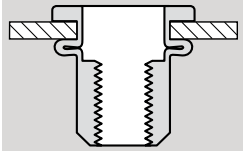
MASTERGRIP | open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	SW [+0/-0,2]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4 SW1 6,1	12,0	0,5-2,5	**24H04KVO25**	6,5 [+0/-0]	≤0,9	6,0	12,0	8.240	2.950
M5 SW1 7,1	14,0	0,5-3,0	**24H05KVO30**	7,5 [+0/-0]	≤0,9	7,0	11,0	11.760	2.840
M6 SW1 9,1	16,0	0,5-3,0	**24H06KVO30**	9,5 [+0/-0]	≤0,9	9,0	21,0	21.560	3.820
M8 SW1 11,1	17,0	0,5-3,0	**24H08KVO30**	11,5 [+0,5/-0]	≤0,9	11,0	30,0	24.500	3.920
M10 SW1 13,1	20,5	1,0-4,0	**24H10KVO40**	13,5 [+0,5/-0]	≤1,1	13,0	40,0	47.040	5.010

MFX 22-CO

Aluminium [AlMg 5]
Polished



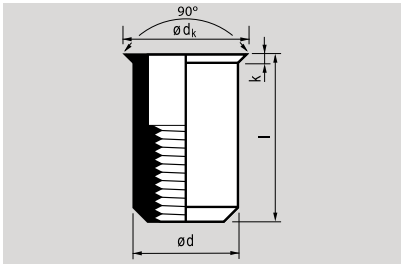


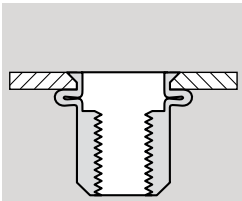
open type | cylindrical head

Ø d	l [+0,1/-0,6]		Item nr.	Ø d_k	k	Ø d [+0/-0,14]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,2	0,5-1,5	**22M04CO15**	9,3 [+0,2/-0,3]	≤0,9	6,0	4,0	2.840	1.070
	11,2	1,5-2,5	**CO25**	9,3 [+0,2/-0,3]	≤0,9	6,0	4,0	2.840	1.070
ø 6,1	12,2	2,5-3,5	**CO35**	9,3 [+0,2/-0,3]	≤0,9	6,0	4,0	2.840	1.070
M5	11,0	0,5-1,5	**22M05CO15**	10,3 [+0,2/-0,3]	≤1,1	7,0	5,0	4.900	1.170
	12,0	1,5-2,5	**CO25**	10,3 [+0,2/-0,3]	≤1,1	7,0	5,0	4.900	1.170
ø 7,1	13,0	2,5-3,5	**CO35**	10,3 [+0,2/-0,3]	≤1,1	7,0	5,0	4.900	1.170
M6	14,0	1,0-2,5	**22M06CO25**	12,3 [+0,2/-0,3]	≤1,6	9,0	11,3	9.280	2.280
	15,5	2,5-4,0	**CO40**	12,3 [+0,2/-0,3]	≤1,6	9,0	11,3	9.280	2.280
ø 9,1									
M8	15,5	1,0-2,5	**22M08CO25**	14,3 [+0,2/-0,3]	≤1,6	11,0	14,5	14.680	2.450
	17,0	2,5-4,0	**CO40**	14,3 [+0,2/-0,3]	≤1,6	11,0	14,5	14.680	2.450
ø 11,1									
M10	16,0	1,0-2,5	**22M10CO25**	16,3 [+0,2/-0,3]	≤1,6	13,0	20,0	21.480	3.820
	17,5	2,5-4,0	**CO40**	16,3 [+0,2/-0,3]	≤1,6	13,0	20,0	21.480	3.820
ø 13,1									

MFX 21-VO

Aluminium [AlMg 5]
Polished



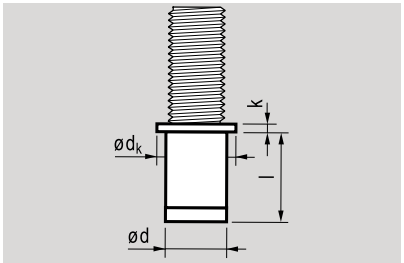


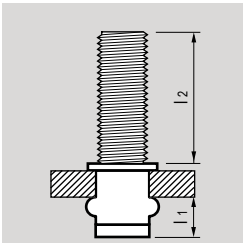
open type | reduced countersunk head

Ø d	l [+0,5/-0]		Item nr.	Ø d_k	k	Ø d [+0/-0,14]			
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[Nm]	[N]	[N]
M4	10,5	0,5-1,5	**21M04VO15**	7,0 [+0,5/-0,25]	≤0,7	6,0	4,0	2.840	1.080
	11,5	1,5-2,5	**VO25**	7,0 [+0,5/-0,25]	≤0,7	6,0	4,0	2.840	1.080
ø 6,1	12,5	2,5-3,5	**VO35**	7,0 [+0,5/-0,25]	≤0,7	6,0	4,0	2.840	1.080
M5	11,0	0,5-1,5	**21M05VO15**	8,0 [+0,5/-0,25]	≤0,7	7,0	4,5	5.250	1.180
	12,0	1,5-2,5	**VO25**	8,0 [+0,5/-0,25]	≤0,7	7,0	4,5	5.250	1.180
ø 7,1	13,0	2,5-3,5	**VO35**	8,0 [+0,5/-0,25]	≤0,7	7,0	4,5	5.250	1.180
M6	14,0	1,0-2,5	**21M06VO25**	10,0 [+0,5/-0,25]	≤0,7	9,0	9,5	9.680	1.960
	15,5	2,5-4,0	**VO40**	10,0 [+0,5/-0,25]	≤0,7	9,0	9,5	9.680	1.960
ø 9,1									
M8	15,5	1,0-2,5	**21M08VO25**	12,0 [+0,5/-0,25]	≤0,7	11,0	14,0	15.680	2.060
	17,0	2,5-4,0	**VO40**	12,0 [+0,5/-0,25]	≤0,7	11,0	14,0	15.680	2.060
ø 11,1									

MFX 29

Steel
Zinc plated





MASTERBOLT | cylindrical head

Ø d	l [+1,0/-0,5]		Item nr.	Ø d_k	k	Ø d	l_1	l_2
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]
M4	8,0	0,5-2,0	**29M042010**	8,0	0,5	5,4	3,5	10
	8,0	0,5-2,0	**2015**	8,0	0,5	5,4	3,5	15
ø 5,5	8,0	2,0-3,0	**3010**	8,0	0,5	5,4	4,0	10
	8,0	2,0-3,0	**3015**	8,0	0,5	5,4	4,0	15
M5	9,0	0,5-2,0	**29M052010**	9,0	0,8	6,5	4,5	10
	9,0	0,5-2,0	**2015**	9,0	0,8	6,5	4,5	15
ø 6,6	10,5	2,0-3,5	**3510**	9,0	0,8	6,5	4,5	10
	10,5	2,0-3,5	**3515**	9,0	0,8	6,5	4,5	15
M6	10,0	0,5-2,5	**29M062510**	10,0	1,0	7,7	5,0	10
	10,0	0,5-2,5	**2515**	10,0	1,0	7,7	5,0	15
ø 7,8	11,5	2,5-4,0	**4010**	10,0	1,0	7,7	5,0	10
	11,5	2,5-4,0	**4015**	10,0	1,0	7,7	5,0	15
M8	12,5	1,0-3,0	**29M083015**	12,0	1,5	9,8	7,0	15
	12,5	1,0-3,0	**3020**	12,0	1,5	9,8	7,0	20
ø 9,9	15,0	3,0-5,0	**5015**	12,0	1,5	9,8	7,0	15
	15,0	3,0-5,0	**5020**	12,0	1,5	9,8	7,0	20

Rivet bolts are comparable to DIN bolts - Class 8.8

Masterfix RUBNUT

The elastic Masterfix RUBNUT blind rivet nut is available in various lengths and sizes with grip ranges from 0.4 up to 64,0 mm.

Advantages

From one side applicable, using common tools

Absorb vibration due to high elasticity

Suitable for thin, thick and brittle materials

Watertight seal

No electric conduction

Can very easily be dismantled

Applications

Housing of ventilators and fans, dish washers, refrigerators, etc.

Fixing for print covers

Head lights for cars

Sirens and horns

Electronic sensors

Pipes, glass and plywood

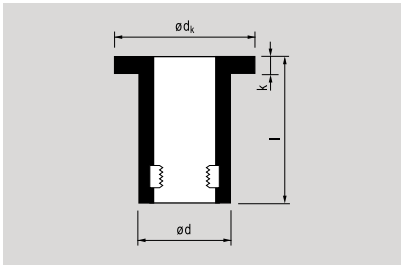
Etc.

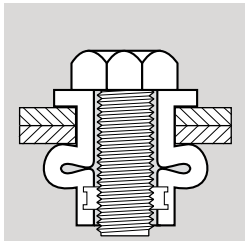
Note:

- Prevent contact with oil and/or solvents
- RUBNUTS should not be used in surroundings with temperatures below -30°C and above +30°C

MFX 25-CO

Neoprene body
Brass nut insert





RUBNUT | open type | cylindrical head

Ø d	l		Item nr.	Ø d_k	k	Ø d		Hardness
[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	tightning torque [Nm]	Shore A
M3	12,6	0,4-4,0	**25M03CO040**	11,0 [+0,5/-0,8]	≤1,4	7,9	0,25-0,50	60
Ø [8,3 max]								
M4	12,6	0,4-4,0	**25M04CO040**	11,0 [+0,5/-0,8]	≤1,4	8,0	0,25-0,50	70
Ø [8,3 max]								
M5	14,1	0,4-4,9	**25M05CO049**	12,7 [+0,5/-0,8]	≤0,9	9,6	0,35-0,50	60
	21,5	4,0-11,6	**CO116**	14,0 [+0,5/-0,8]	≤0,9	9,6	0,30-0,90	60
Ø [9,9 max]	26,1	7,9-16,0	**CO163**	14,0 [+0,5/-0,8]	≤1,3	9,6	0,30-0,70	60
	39,8	20,5-30,0	**CO300**	14,0 [+0,5/-0,8]	≤1,3	9,6	0,60-1,00	60
M6	16,0	0,4-2,8	**25M06CO028**	16,0 [+0,5/-0,8]	≤1,3	12,7	0,60-1,00	60
	21,1	0,8-4,7	**CO047**	19,1 [+0,5/-0,8]	≤4,8	12,7	0,80-1,00	70
Ø [13,0 max]	26,7	6,4-11,5	**CO110**	16,3 [+0,5/-0,8]	≤2,0	12,7	0,80-1,00	70
M8	18,3	0,4-4,0	**25M08CO040**	22,1 [+0,5/-0,8]	≤3,2	15,9	1,00-1,50	60
	27,9	3,9-9,5	**CO095**	22,1 [+0,5/-0,8]	≤5,7	15,9	1,00-1,60	60
Ø [16,2 max]								
M8	50,0	15,0-39,0	**25M08CO390**	20,0 [+0,5/-0,8]	≤1,6	18,0	3,00-4,00	60
Ø [18,3 max]								
M10	55,0	19,0-40,0	**25M10CO400**	22,5 [+0,5/-0,8]	≤1,3	20,0	4,50-5,50	60
Ø [20,3 max]								
M12	80,0	38,0-64,0	**25M12CO640**	27,0 [+0,5/-0,8]	≤1,3	24,0	6,00-7,00	60
Ø [24,3 max]								

Hand tools

MASTERFIX®

Masterfix Hand tools for blind rivets

Distinguish themselves by

Wide choice

High professional quality

Competitive price levels

Continuous product development and innovations

Complete supply of tools with full set of nose pieces

Wide selection of service packs (tool-sets)

The table below shows which hand tool we recommend for particular rivet sizes and materials.
In case of questions we will of course be pleased to give you further advice.

Recommended capacity

Additional option

	Ø 2.4			Ø 3.0 - 3.2			Ø 4.0			Ø 4.8 - 5.0			Ø 6.0 - 6.4				Ø 8.0
	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	P-Lock steel	Stainl. steel
MFX 150																	
MFX 10000																	
MFX 60																	
MFX 260																	
MFX 280																	

Info

Hand tools for blind rivets

MFX 150A item nr. 43105150A

Professional blind riveting tool for small and light assembly work.

Capacity	ø2,4 - 5,0 mm
Weight	0,7 kg
Length	255 mm
Body material	Aluminium
Lever material	Steel
Equipment	Nose pieces ø3.0 - 5.0 mm
Also available	As set with assorted PLIA rivets item nr. 43105150AS

MFX 150B item nr. 43105150B

Professional blind riveting tool for small and light assembly work.
Equipped with an opening spring.

Capacity	ø2,4 - 5,0 mm
Weight	0,7 kg
Length	255 mm
Body material	Aluminium
Lever material	Steel
Equipment	Nose pieces ø3.0 - 5.0 mm
Also available	As set with assorted PLIA rivets item nr. 43105150BS

Hand tools for blind rivets

MFX 10000 item nr. 43105100

Practical blind riveting tool for small & light assembly work.
The front sleeve can be positioned horizontally as well as vertically.

Capacity	ø2,4 - 5,0 mm
Weight	0,85 kg
Length	300 mm
Body material	Aluminium
Lever material	Steel
Equipment	Nose pieces ø2.4 - 5.0 mm

MFX 60 item nr. 43106060

Lazy Tong blind riveting tool for "one" handed setting. This tool requires only minimal physical effort.

Capacity	ø3,0 - 6,4 mm
Weight	2,2 kg
Length	320 mm (folded)
Body material	Aluminium
Lever material	Steel
Equipment	Nose pieces ø3.0 - 6.4 mm

Hand tools for blind rivets

MFX 260 item nr. 43106260

Heavy duty long arm riveter with adjustable front sleeve, allowing the breaking point to be set in the most ideal position.

Capacity	ø3,0 - 6,4 mm
Weight	1,8 kg
Length	500 mm
Body material	ABS (plastic) with steel parts
Lever material	Steel
Equipment	Nose pieces ø3.0 - 6.4 mm

MFX 280 item nr. 43108280

Heavy duty long arm riviter with adjustable levers for easier setting of large rivets. The adjustible front sleeve, allows the breaking point to be set in the most ideal position.

Capacity	ø4,0 - 8,0 mm ø4,8 - 6,5 mm P-LOCK, Magna Lok® & Monobolt®
Weight	2,5 kg
Length	660 mm max.
Body material	ABS (plastic) with steel parts
Lever material	Steel
Equipment	- Nose pieces ø 4,0 - 6,4 mm - Monobolt® ø 4,8 - 6,4 mm - Magna-Lok® ø 4,8 - 6,5 mm

Masterfix Hand tools for blind rivet nuts and bolts

The Masterfix range of hand tools for blind rivet nuts and bolts, offers you one of the widest and most innovative ranges of professional riveting tools in the market.

All the Masterfix blind insert hand tools are equipped with a (patented) quick release mandrel system enabling you to exchange mandrels with your bare hands without using additional spanners.
All tools are supplied in representative packaging with full sets of mandrels/adaptors and anvils.

Distinguish themselves by

Wide choice

High professional quality

Competitive price levels

Continuous product development and innovations

Complete supply of tools with full set of conversion kits and stroke regulation devices

Quick-release system

Quick-release mandrel system for blind rivet nut and bolt tools

1. Release the nosepiece and contra nut

2. Move protective sleeve forwards

3. Hold security part backwards and unscrew mandrel/adapter

Info

The table below shows which hand tool we recommend for particular sizes and materials.
In case of questions we will of course be pleased to give you further advice.

Recommended capacity
Additional option

		M3			M4			M5			M6			M8			M10			M12		
		Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel
MFX 306																						
																						
MFX 360																						
																						
MFX 480																						
																						
MFX 510																						
																						
MFX 511																						
																						
MFX 612																						
																						
EZM 12																						
																						

Info

Hand tools for blind rivet nuts

MFX 306 item nr. 43206306

Compact and practical hand tool for setting blind rivet nuts.
Equipped with stroke setting mechanism and quick release mandrel system.

Capacity	M3 - M6
Weight	0.5 kg
Length	190 mm
Body material	Steel
Lever Material	Steel
Equipment	Conversion kit blind rivet nuts: M3 - M6
Also available	As blister pack with assorted blind rivet nuts item nr. 43206306BL

MFX 360 item nr. 43206360

Professional hand tool for setting blind rivet nuts and blind rivet bolts.
Equipped with stroke setting mechanism and quick release mandrel system.

Capacity	M3 - M6
Weight	0.8 kg
Length	280 mm
Body material	Aluminium
Lever material	Steel
Equipment	Conversion kit blind rivet nuts: M3 - M6 Converstion kit blind rivet bolts: M4 - M6
Also available	As set with assorted blind rivet nuts item nr. 43206360S

Hand tools for blind rivet nuts

MFX 480 item nr. 43208480

Powerfull tool for setting blind rivet nuts and bolts, equiped with both a stroke setting mechanism ensuring every blind rivet nut and bolt to be set with equal clamping force, and a quick release mandrel system.

Capacity	M4 - M8
Weight	1,8 kg
Length	440 mm
Body material	ABS (plastic) with steel parts
Lever material	Steel
Equipment	Conversion kit blind rivet nuts: M4 - M8 Conversion kit blind rivet bolts: M4 - M8

MFX 510 item nr. 43210510

Powerfull tool for setting blind rivet nuts and bolts, equiped with both a stroke setting mechanism ensuring every blind rivet nut and bolt to be set with equal clamping force, and a quick release mandrel system.

Capacity	M5 - M10
Weight	2,2 kg
Length	555 mm
Body material	ABS (plastic) with steel parts
Lever material	Steel
Equipment	Conversion kit blind rivet nuts: M5 - M10 Conversion kit blind rivet bolts: M5 - M8

Hand tools for blind rivet nuts

MFX 511 item nr. 43210511

Powerfull tool for setting blind rivet nuts and bolts, equiped with both a stroke setting mechanism ensuring every blind rivet nut and bolt to be set with equal clamping force, and a quick release mandrel system. The quick release spindel provides quick installation.

Capacity	M5 - M10
Weight	2,4 kg
Length	555 mm
Body material	ABS (plastic) with steel parts
Lever material	Steel
Equipment	Conversion kit blind rivet nuts: M5 - M10 Conversion kit blind rivet bolts: M5 - M10

MFX 612 item nr. 43212612

Powerfull compact blind rivet nut tool with build in retched-key.
Especially suited to place large size blind rivet nuts in small areas.
Equipped with ideal stroke setting indicator and quick release mandrel system.

Capacity	M6 - M12
Weight	1,1 kg
Dimensions	210 mm
Body material	Steel
Lever material	Steel
Equipment	Conversion kit blind rivet nuts: M6 - M12 Conversion kit blind rivet bolts: M5 - M8

Hand tools for blind rivet nuts

EZM 12 item nr. 432EZM12

Unique hand tool with build in transmission of power, allowing setting of large size blind rivet nuts with little effort. Equipped with stroke setting mechanism and a quick release mandrel system.

Capacity	M5 - M12
Weight	2,5 kg
Length	555 mm
Body material	Aluminium
Lever material	Steel
Equipment	Conversion kit blind rivet nuts M5 - M12

Notes

Power tools

MASTERFIX®

Masterfix XGRIP Power tools for blind rivets

The Masterfix range of hydraulic/pneumatic XGRIP tools was developed taking the following into consideration:

Reliability

Ergonomics

Continuous use

The tools are moulded in ABS (a glass fibre reinforced synthetic material) giving them high impact resistance with minimum weight.

All XGRIP tools are equipped with a pressure relief valve which is operated as soon as the pressure exceeds 7.5 Bar. The tools have an oil level indicator to show you when oil needs to be added. The XGRIP tools meet the current CE-standard.

The table below shows which XGRIP tool we recommend for a particular rivet size and material.

Recommended capacity	Ø 2.4			Ø 3.0 - 3.2			Ø 4.0			Ø 4.8 - 5.0			Ø 6.0 - 6.4		
	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel
XGRIP R50H	■	■	■	■	■	■	■	■	■	■	■				
XGRIP R50S	■	■	■	■	■	■	■	■	■	■	■	■			
XGRIP R64S							■	■	■	■	■	■	■	■	■

Info

Power tools for blind rivets

X-GRIP R50H item nr. 45105R50HD

Light weight hydraulic/pneumatic blind riveting tool without extraction, with mandrel collector and suspension bracket.

Capacity	ø2,4 - 5,0 mm
Weight	1,3 kg
Dimensions	253 x 284 mm
Stroke	14,0 mm
Pressure required	5-7 Bar
Traction power(6 bar)	8 kN
Equipment	Nose pieces ø 2,4 - 5,0 mm

X-GRIP R50S item nr. 45105R50SD

Hydraulic/pneumatic blind riveting tool with extraction, mandrel collector and suspension bracket.

Capacity	ø2,4 - 5,0 mm
Weight	2,05 kg
Dimensions	271x267 mm
Stroke	17,0 mm
Pressure required	5-7 Bar
Traction power(6 bar)	10 kN
Equipment	Nose pieces ø 2,4 - 5,0 mm

Power tools for blind rivets

X-GRIP R64S item nr. 45106R64SD

Hydraulic/pneumatic blind riveting tool with extraction, mandrel collector and suspension bracket.

Capacity	ø4,0 - 6,4 mm
Weight	2,45 kg
Dimensions	200x285 mm
Stroke	22,0 mm
Pressure required	5-7 Bar
Traction power(6 bar)	14 kN
Equipment	Nose pieces ø 4,0 - 6,4 mm

Masterfix XGRIP Power tools for blind rivet nuts and bolts

The Masterfix range of hydraulic/pneumatic XGRIP tools was developed taking the following into consideration:

Reliability

Ergonomics

Continuous

The tools are moulded in ABS (a glass fibre reinforced synthetic material) giving them high impact resistance with minimum weight. All XGRIP tools are equipped with a pressure relief valve which is operated as soon as the pressure exceeds 7.5 Bar. The tools have an oil level indicator to show you when oil needs to be added. The tools XGRIP N08QI and N10QI are equipped with a quick interchange system and a pressure regulation system to ensure a correct setting of the rivet nut/bolt. The XGRIP tools meet the current CE-standard.

The table below shows which XGRIP tool we recommend for a particular blind rivet nut/bolt size and material.

Recommended capacity

Additional option

		M3			M4			M5			M6			M8			M10			M12		
		Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel	Aluminium	Steel	Stainl. steel
XGRIP N08QI																						
XGRIP N10QI																						

Info

Power tools for blind rivet nuts

X-GRIP N08QI item nr. 45208N08QI

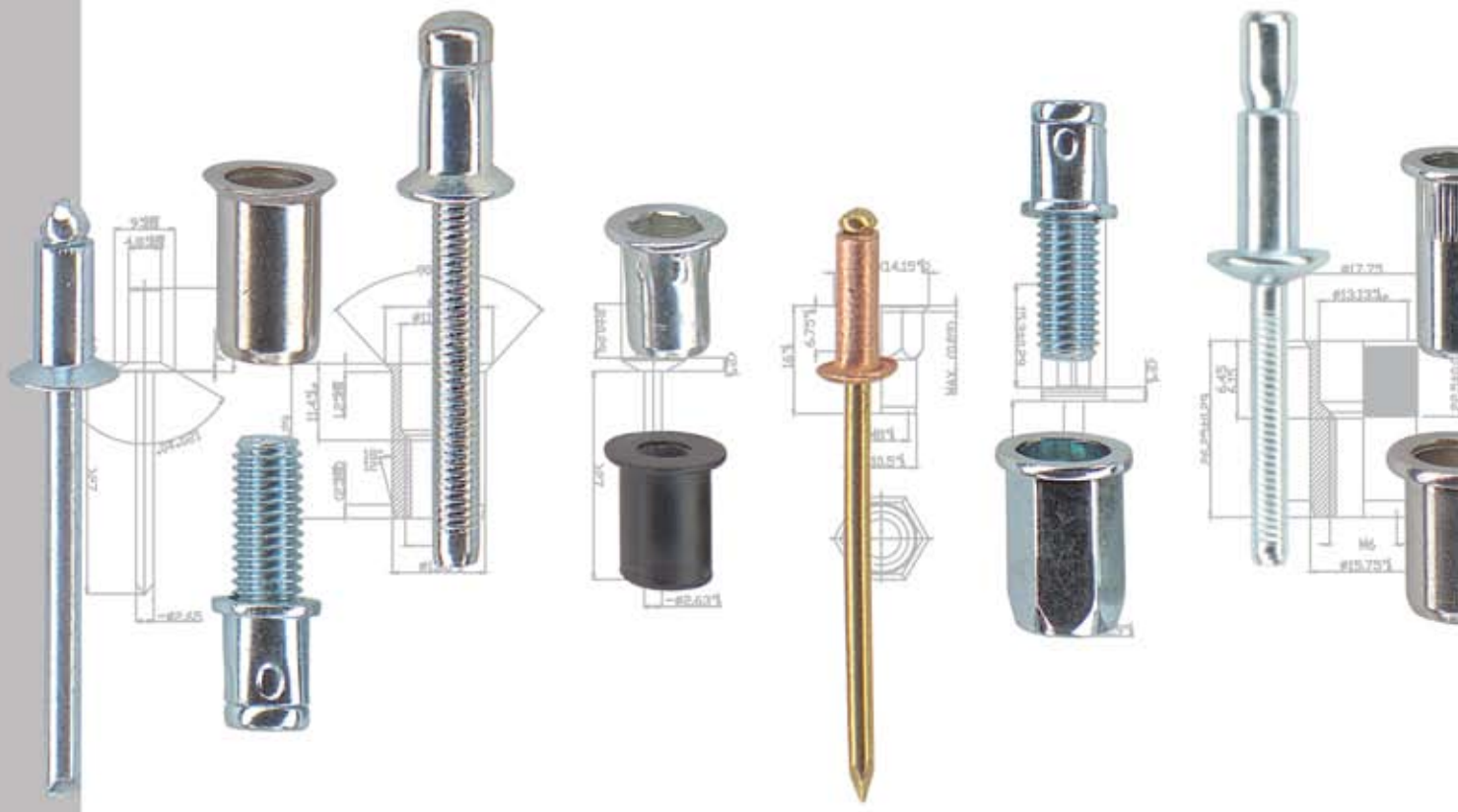
Hydraulic/pneumatic blind rivet nut tool with automatic right and left hand running. Includiing quick interchange system. For correct deformation of the blind rivet nut/-bolt, an air pressure regulator is build in. For correct deformation of the blind rivet nut/-bolt an air pressure regulator system is built in.

Capacity	M3 - M8
Weight	2,2 kg
Dimensions	313x276 mm
Stroke	9,0 mm
Pressure required	5-7 Bar
Traction power(6 bar)	21 kN
Equipment	Conversion kit blind rivet nuts: M4 - M8 Conversion kit blind rivet bolts: M4 - M8

X-GRIP N10QI item nr. 45210N10QI

Hydraulic/pneumatic blind rivet nut tool with automatic right and left hand running. Including quick interchange system. For correct deformation of the blind rivet nut/-bolt, an air pressure regulator is build in. For correct deformation of the blind rivet nut/-bolt an air pressure regulator system is built in.

Capacity	M4 - M10
Weight	2,4 kg
Dimensions	313x276 mm
Stroke	9,0 mm
Pressure required	5-7 Bar
Traction power(6 bar)	29,8 kN
Equipment	Conversion kit blind rivet nuts: M5 - M10 Conversion kit blind rivet bolts: M5 - M8

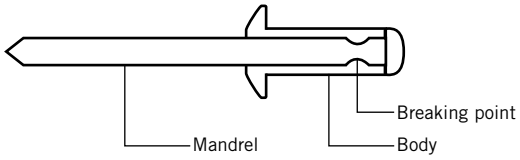


Technical info

MASTERFIX®

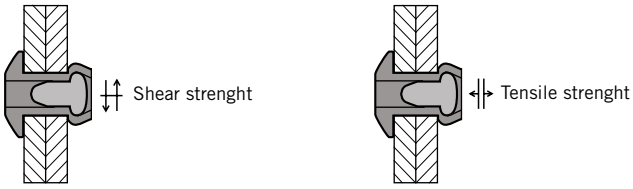
Blind rivet breaking point

The rivet is made of two parts namely, the body and the mandrel. The body is deformed when the rivet is set and it is this part which clamps the materials together. The function of the mandrel is to deform the body of the rivet. The mandrel is therefore always stronger than the body. The mandrel breaks off at its specific breaking point. The breaking point ensures that the mandrel breaks off at the right moment so that the body is correctly deformed. The breaking load can be adjusted so that the mandrel breaks at a sooner or a later point of time.

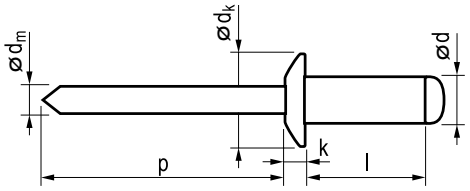


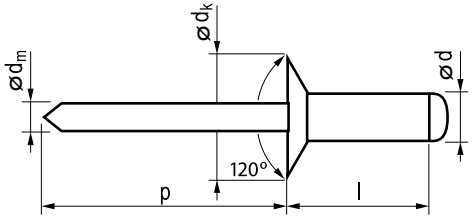
Tensile and shear strength

The tensile strength is the maximum force the rivet, rivet nut or rivet bolt can bear lengthways (see arrows) before it gives out. The tensile strength is obtained through tests and is always the smallest average value. The shear strength is the maximum force the rivet, rivet nut or rivet bolt can bear vertical to its length (see arrows) before it gives out. The shear strength is obtained through tests and is always the smallest average value. By changing the breaking point, the shear strength will be increased or decreased. Both tensile and shear strenght are expressed in Newton (1 kg = 10 N).



Dimensioning rivets

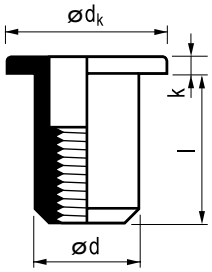


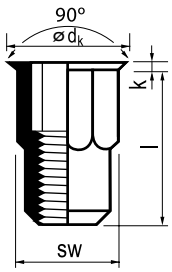


Standard rivet (all sizes in mm)

Ø d = Rivet body diameter
Ø d_k = Head diameter
Ø d_m = Mandrel diameter
k = Head height
l = Rivet body length
p = Mandrel length

Dimensioning rivet nuts



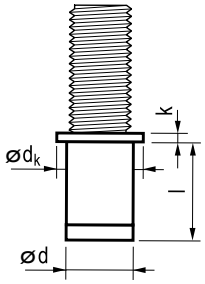


Standard rivet nut (all sizes in mm)

Ø d = Rivet nut body diameter
Ø d_k = Head diameter
k = Head height
l = Rivet nut body length
sw = Key size

Technical details

Dimensioning rivet bolts



Standard rivet bolt (all sizes in mm)

Ø d = Rivet nut body diameter

Ø d_k = Head diameter

k = Head height

l = Rivet nut body length

Technical details

Aluminium AL 99,5

Low weight

Easy to deform

Highly electrical and warmth conductive

Aluminium alloys AlMg

Solid and strong - easy to polish

If the degree of Mg increases, the strength of the rivet increases and the deformability decreases

Steel

Suitable for heavy constructions

Easy to deform

Easy to coat (e.g. with anti-corrosion coating)

Stainless steel

Highly resistant to corrosion

Suitable for heavy constructions

A4 has a higher resistance to acids than A2

Copper

Highly electrical and warmth conductive

Easy to deform

Suitable for soldering

Material features

Contract corrosion

When different metals come in contact with each other, contact corrosion will arise. The table below shows how the different materials combine.

Material rivet body	Material to be connected			
	Aluminium	Copper	Steel	Stainl.steel
Aluminium	++	--	+	+
Copper	--	++	--	+
Steel	+	--	++	++
Stainl. steel	+	+	++	++
i Monell"	--	+	++	+

++ very good I + good I - moderate I -- bad

Coatings

Corrosion can never be reduced to 0%. However, coatings can help to reduce the chance of corrosion or delay corrosion:

Painting

2-Components painting is possible in many colors. All RAL-colours can be delivered on request.

Zinc plating

This is a coating obtained through electrolysis and consists of a Zinc-iron alloy. This coating is characterized by a high resistance to wear and tear.

Material features

Notes

In spite of the constant care and attention to ensure the accuracy of the information on this catalogue, Masterfix assumes no responsibility therefore.

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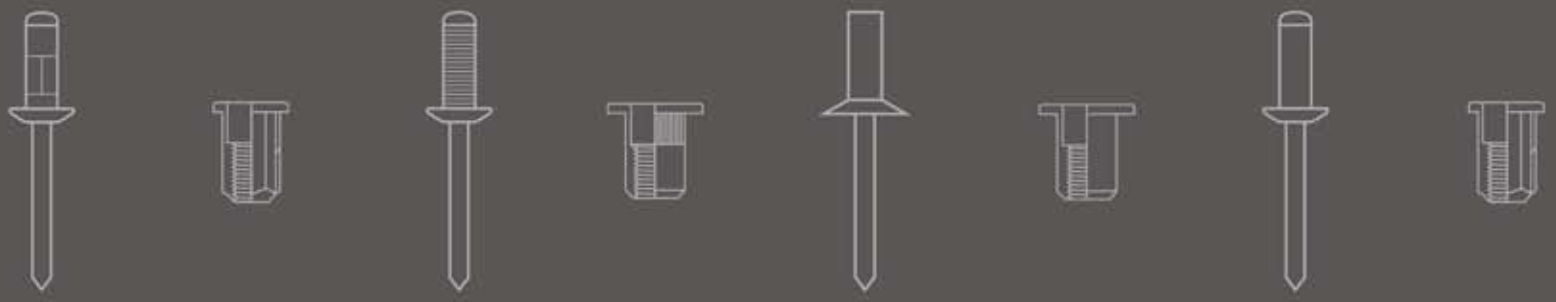
Notes



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