

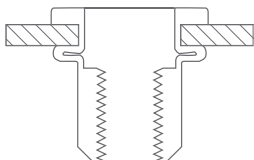
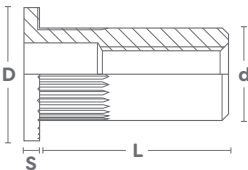
Cilíndrica / Cylindrical

TUERCA REMACHABLE



Cabeza Ancha - Cilíndrica Ranurada - Abierta

Flat Head - Cylindrical Grooved - Open End



M	Dimensiones Sizes	L mm.	Código Code	E mm.					
M3	D= 6,5 mm. S= 1,0 mm. d= 4,9 mm. Ø 5,0 mm.	10	TR03100LFKNI2	0,5 - 3,0		4.000	1,20	1.000	10.000
M4	D= 8,5 mm. S= 1,0 mm. d= 5,9 mm. Ø 6,0 mm.	10	TR04100LFKNI2	0,5 - 3,0		6.800	3,0	1.000	10.000
		12	TR04120LFKNI2	3,0 - 4,0					
M5	D= 9,5 mm. S= 1,0 mm. d= 6,9 mm. Ø 7,0 mm.	12	TR05120LFKNI2	0,5 - 3,0		10.000	6,0	500	5.000
		15	TR05150LFKNI2	3,0 - 6,0					
M6	D= 12,5 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,0 mm.	14,5	TR06145LFKNI2	0,5 - 3,0		15.000	10,0	500	5.000
		17,7	TR06177LFKNI2	3,0 - 6,0					
M8	D= 15,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,0 mm.	16	TR08160LFKNI2	0,5 - 3,0		27.000	24,0	250	2.500
		19	TR08190LFKNI2	3,0 - 6,0					
M10	D= 18,5 mm. S= 2,0 mm. d= 12,9 mm. Ø 13,0 mm.	17	TR10170LFKNI2	0,5 - 3,0		37.000	48,0	200	2.000
		22	TR10220LFKNI2	3,0 - 6,5					
M12	D= 22 mm. S= 2,0 mm. d= 15,9 mm. Ø 16,0 mm.	25	TR12250LFKNI2	1,0 - 4,0		54.000	82,0	150	1.500

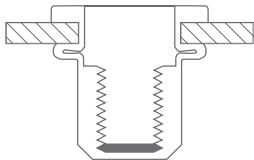
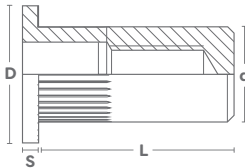
El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

TUERCA REMACHABLE

Cilíndrica / Cylindrical

Cabeza Ancha - Cilíndrica Ranurada - Cerrada
Flat Head - Cylindrical Grooved - Closed End

INOX A-2
S. STEEL A-2



M	Dimensiones Sizes	L mm.	Código Code	E mm.		N	N		
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M4	D= 8,5 mm. S= 1,0 mm. d= 5,9 mm. Ø 6,0 mm.	16,5	TR04165LFKNI2-C	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,0 mm. d= 6,9 mm. Ø 7,0 mm.	19	TR05190LFKNI2-C	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 12,5 mm. S= 1,5 mm. d= 8,8 mm. Ø 9,0 mm.	22	TR06220LFKNI2-C	0,5 - 3,0		15.000	10,0	250	2.500
M8	D= 15,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,0 mm.	26,5	TR08265LFKNI2-C	0,5 - 3,0		27.000	24,0	200	2.000
M10	D= 18,5 mm. S= 2,0 mm. d= 12,9 mm. Ø 13,0 mm.	37	TR10370LFKNI2-C	1,0 - 3,5		37.000	48,0	100	1.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

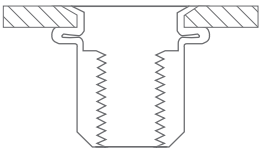
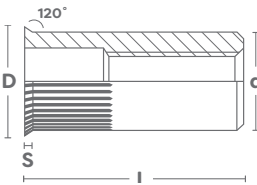
Cilíndrica / Cylindrical

TUERCA REMACHABLE



Cabeza Reducida - Cilíndrica Ranurada - Abierta

Reduced Head - Cylindrical Grooved - Open End



M	Dimensiones Sizes	L mm.	Código Code	E mm.	N	N	N	N
M3	D= 6,0 mm. S= 0,5 mm. d= 4,9 mm. Ø 5,0 mm.	9	TR03090TSKNI2	0,5 - 2,0	4.000	1,2	1.000	10.000
M4	D= 6,5 mm. S= 0,5 mm. d= 5,9 mm. Ø 6,0 mm.	10	TR04100TSKNI2	0,5 - 3,0	6.800	3,0	1.000	10.000
		12,5	TR04125TSKNI2	3,0 - 4,0				
M5	D= 7,5 mm. S= 0,5 mm. d= 6,9 mm. Ø 7,0 mm.	11,5	TR05115TSKNI2	0,5 - 3,0	10.000	6,0	500	5.000
		13	TR05130TSKNI2	3,0 - 4,0				
M6	D= 9,5 mm. S= 0,5 mm. d= 8,9 mm. Ø 9,0 mm.	14	TR06140TSKNI2	0,5 - 3,0	15.000	10,0	500	5.000
		17,5	TR06175TSKNI2	3,0 - 5,0				
M8	D= 11,5 mm. S= 0,5 mm. d= 10,9 mm. Ø 11,0 mm.	15,5	TR08155TSKNI2	0,5 - 3,0	27.000	24,0	250	2.500
		19,5	TR08195TSKNI2	3,0 - 5,0				
M10	D= 13,5 mm. S= 0,7 mm. d= 12,9 mm. Ø 13,0 mm.	19,5	TR10195TSKNI2	0,5 - 3,5	37.000	48,0	200	2.000
		23	TR10230TSKNI2	3,0 - 6,0				

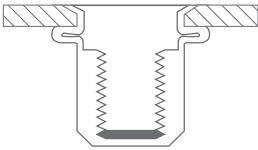
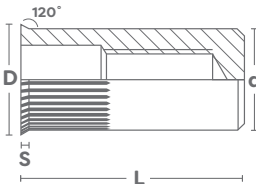
El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

TUERCA REMACHABLE

Cilíndrica / Cylindrical

Cabeza Reducida - Cilíndrica Ranurada - Cerrada
Reduced Head - Cylindrical Grooved - Closed End

INOX A-2
S. STEEL A-2



M	Dimensiones Sizes	L mm.	Código Code	E mm.	N	N	N	N
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M4	D= 6,5 mm. S= 0,5 mm. d= 5,9 mm. Ø 6,0 mm.	16	TR04160TSKNI2-C	0,5 - 3,0	6.800	3,0	1.000	10.000
M5	D= 7,5 mm. S= 0,5 mm. d= 6,9 mm. Ø 7,0 mm.	19	TR05190TSKNI2-C	0,5 - 3,0	10.000	6,0	500	5.000
M6	D= 9,5 mm. S= 0,5 mm. d= 8,9 mm. Ø 9,0 mm.	22,5	TR06225TSKNI2-C	0,5 - 3,0	15.000	10,0	250	2.500
M8	D= 11,5 mm. S= 0,5 mm. d= 10,9 mm. Ø 11,0 mm.	25,5	TR08255TSKNI2-C	0,5 - 3,0	27.000	24,0	200	2.000
M10	D= 13,5 mm. S= 0,7 mm. d= 12,9 mm. Ø 13,0 mm.	35	TR10350TSKNI2-C	0,5 - 3,5	37.000	48,0	100	1.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

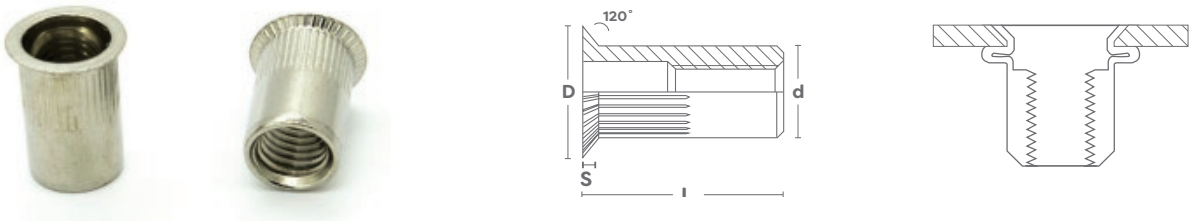
Cilíndrica / Cylindrical

TUERCA REMACHABLE



Cabeza Avellanada - Cilíndrica Ranurada - Abierta

Countersunk Head - Cylindrical Grooved - Open End



M	Dimensiones Sizes	L mm.	Código Code	E mm.					
M4	D= 8,5 mm. S= 1,5 mm. d= 5,9 mm. Ø 6,0 mm.	11,5	TR04115CKKNI2	1,5 - 3,5		6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,5 mm. d= 6,9 mm. Ø 7,0 mm.	13,5	TR05135CKKNI2	1,5 - 4,0		10.000	6,0	500	5.000
M6	D= 11,5 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,0 mm.	16	TR06160CKKNI2	1,5 - 4,5		15.000	10,0	500	5.000
M8	D= 13,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,0 mm.	19	TR08190CKKNI2	1,5 - 4,5		27.000	24,0	250	2.500
M10	D= 15,5 mm. S= 1,5 mm. d= 12,9 mm. Ø 13,0 mm.	21	TR10210CKKNI2	1,5 - 4,5		37.000	48,0	200	2.000

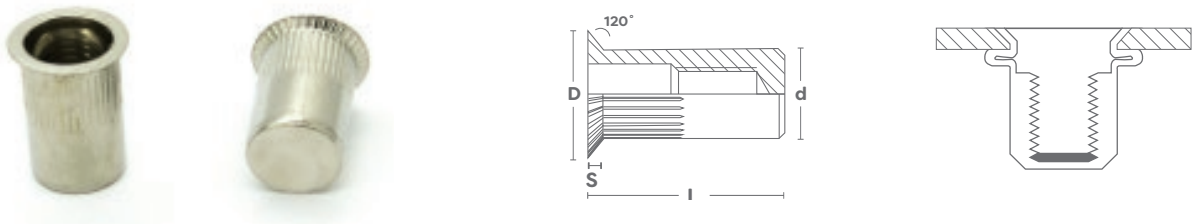
El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

TUERCA REMACHABLE

Cilíndrica / Cylindrical

Cabeza Avellanada - Cilíndrica Ranurada - Cerrada

Countersunk Head - Cylindrical Grooved - Closed End



M

Dimensiones
Sizes

L
mm.

Código
Code

E
mm.

N

N

M4	D= 8,5 mm. S= 1,5 mm. d= 5,9 mm. Ø 6,0 mm.	17,5	TR04175CKKNI2-C	1,5 - 3,5		6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,5 mm. d= 6,9 mm. Ø 7,0 mm.	20,5	TR05205CKKNI2-C	1,5 - 4,0		10.000	6,0	500	5.000
M6	D= 11,5 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,0 mm.	23,5	TR06235CKKNI2-C	1,5 - 4,5		15.000	10,0	250	2.500
M8	D= 13,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,0 mm.	28	TR08280CKKNI2-C	1,5 - 4,5		27.000	24,0	200	2.000
M10	D= 15,5 mm. S= 1,5 mm. d= 12,9 mm. Ø 13,0 mm.	36	TR10360CKKNI2-C	1,5 - 4,5		37.000	48,0	100	1.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

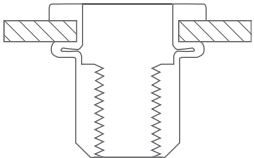
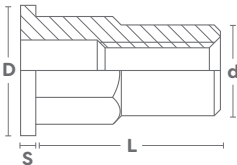
Semi Hexagonal / Half Hexagonal

TUERCA REMACHABLE



Cabeza Ancha - Semi Hexagonal - Abierta

Flat Head - Half Hexagonal - Open End



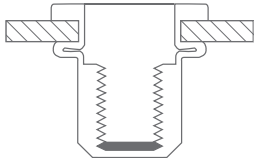
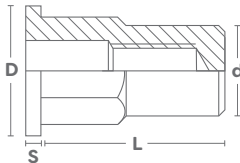
M	Dimensiones Sizes	L mm.	Código Code	E mm.		N	Nut		
M4	D= 8,5 mm. S= 1,0 mm. d= 5,9 mm. Ø 6,1 mm.	11,5	TR04115LF2HI2	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,0 mm. d= 6,9 mm. Ø 7,1 mm.	13,5	TR05135LF2HI2	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 12,0 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,1 mm.	15,5	TR06155LF2HI2	0,5 - 3,0		15.000	10,0	500	5.000
M8	D= 14,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,1 mm.	17,5	TR08175LF2HI2	0,5 - 3,0		27.000	24,0	250	2.500
M10	D= 16,0 mm. S= 1,7 mm. d= 12,9 mm. Ø 13,1 mm.	22	TR10220LF2HI2	1,0 - 4,0		37.000	48,0	200	2.000

El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

TUERCA REMACHABLE

Semi Hexagonal / Half Hexagonal

Cabeza Ancha - Semi Hexagonal - Cerrada
Flat Head - Half Hexagonal - Closed End



M	Dimensiones Sizes	L mm.	Código Code	E mm.		N	Nut		
M4	D= 8,5 mm. S= 1,0 mm. d= 5,9 mm. Ø 6,1 mm.	16	TR04160LF2HI2-C	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,0 mm. d= 6,9 mm. Ø 7,1 mm.	19	TR05190LF2HI2-C	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 12,0 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,1 mm.	21,5	TR06215LF2HI2-C	0,5 - 3,0		15.000	10,0	250	2.500
M8	D= 14,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,1 mm.	25	TR08250LF2HI2-C	0,5 - 3,0		27.000	24,0	200	2.000
M10	D= 16,0 mm. S= 2,0 mm. d= 12,9 mm. Ø 13,1 mm.	35,5	TR10355LF2HI2-C	1,0 - 4,0		37.000	48,0	100	1.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

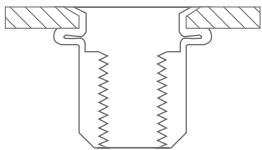
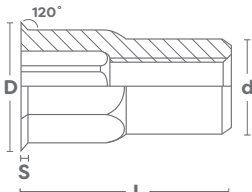
Semi Hexagonal / Half Hexagonal

TUERCA REMACHABLE



Cabeza Reducida - Semi Hexagonal - Abierta

Reduced Head - Half Hexagonal - Open End



M	Dimensiones Sizes	L mm.	Código Code	E mm.					
M4	D= 7,0 mm. S= 0,5 mm. d= 5,9 mm. Ø 6,1 mm.	12	TR04120TS2HI2	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 8,0 mm. S= 0,5 mm. d= 6,9 mm. Ø 7,1 mm.	14	TR05140TS2HI2	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 10,0 mm. S= 0,5 mm. d= 8,9 mm. Ø 9,1 mm.	15,5	TR06155TS2HI2	0,5 - 3,0		15.000	10,0	500	5.000
M8	D= 12,0 mm. S= 0,5 mm. d= 10,9 mm. Ø 11,1 mm.	17	TR08170TS2HI2	0,5 - 3,0		27.000	24,0	250	2.500
M10	D= 14,0 mm. S= 0,7 mm. d= 12,9 mm. Ø 13,1 mm.	20,5	TR10205TS2HI2	1,0 - 4,0		37.000	48,0	200	2.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
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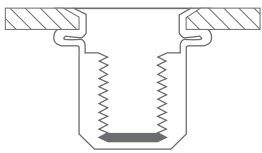
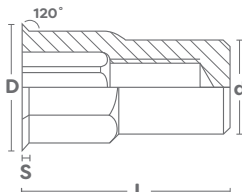
TUERCA REMACHABLE

Semi Hexagonal / Half Hexagonal

Cabeza Reducida - Semi Hexagonal - Cerrada

Reduced Head - Semi Hexagonal - Closed End

INOX A-2
S. STEEL A-2



M	Dimensiones Sizes	L mm.	Código Code	E mm.		N	Nut		
M4	D= 7,0 mm. S= 0,5 mm. d= 5,9 mm. Ø 6,1 mm.	16,5	TR04165TS2HI2-C	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 8,0 mm. S= 0,5 mm. d= 6,9 mm. Ø 7,1 mm.	19,5	TR05195TS2HI2-C	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 10,0 mm. S= 0,5 mm. d= 8,9 mm. Ø 9,1 mm.	22,5	TR06225TS2HI2-C	0,5 - 3,0		15.000	10,0	250	2.500
M8	D= 12,0 mm. S= 0,5 mm. d= 10,9 mm. Ø 11,1 mm.	25,5	TR08255TS2HI2-C	0,5 - 3,0		27.000	24,0	200	2.000
M10	D= 14,0 mm. S= 0,7 mm. d= 12,9 mm. Ø 13,1 mm.	35,5	TR10355TS2HI2-C	1,0 - 4,0		37.000	48,0	100	1.000



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

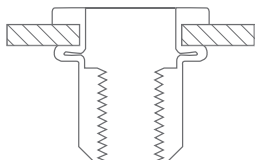
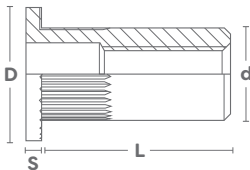
Cilíndrica / Cylindrical

TUERCA REMACHABLE



Cabeza Ancha - Cilíndrica Ranurada - Abierta

Flat Head - Cylindrical Grooved - Open



M	Dimensiones Sizes	L mm.	Código Code	E mm.	N	Nut		
M4	D= 8,5 mm. S= 1,0 mm. d= 5,9 mm. Ø 6,0 mm.	10	TR04100LFKNI4	0,5 - 3,0	6.800	3,0	1.000	10.000
M5	D= 9,5 mm. S= 1,0 mm. d= 6,9 mm. Ø 7,0 mm.	12	TR05120LFKNI4	0,5 - 3,0	10.000	6,0	500	5.000
M6	D= 12,5 mm. S= 1,5 mm. d= 8,9 mm. Ø 9,0 mm.	14,5	TR06145LFKNI4	0,5 - 3,0	15.000	10,0	500	5.000
M8	D= 15,5 mm. S= 1,5 mm. d= 10,9 mm. Ø 11,0 mm.	16	TR08160LFKNI4	0,5 - 3,0	27.000	24,0	250	2.500

El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.

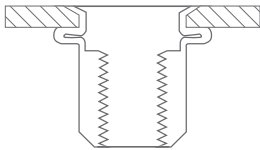
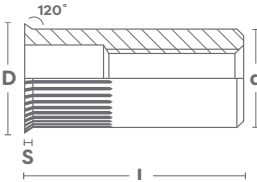
TUERCA REMACHABLE

Cilíndrica / Cylindrical

Cabeza Reducida - Cilíndrica Ranurada - Abierta

Reduced Head - Cylindrical Grooved - Open

INOX A-4
S. STEEL A-4



M	Dimensiones Sizes	L mm.	Código Code	E mm.		N	Nut		
M4	D= 6,5 mm. S= 0,5 mm. d= 5,9 mm. Ø 6,0 mm.	10	TR04100TSKNI4	0,5 - 3,0		6.800	3,0	1.000	10.000
M5	D= 7,5 mm. S= 0,5 mm. d= 6,9 mm. Ø 7,0 mm.	11,5	TR05115TSKNI4	0,5 - 3,0		10.000	6,0	500	5.000
M6	D= 9,5 mm. S= 0,5 mm. d= 8,9 mm. Ø 9,0 mm.	14	TR06140TSKNI4	0,5 - 3,0		15.000	10,0	500	5.000
M8	D= 11,5 mm. S= 0,5 mm. d= 10,9 mm. Ø 11,0 mm.	15,5	TR08155TSKNI4	0,5 - 3,0		27.000	24,0	250	2.500



El valor del CIZALLAMIENTO varía según la superficie, dimensión y material del tornillo.
The value of SHEAR varies depending on surface, dimension and material of screws.