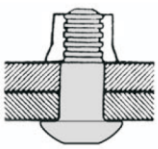
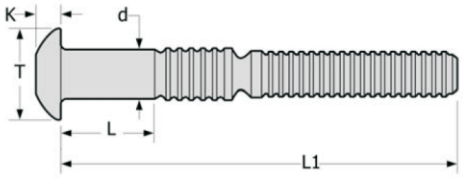
KLINKBOUTEN – PIN & COLLAR

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT
ACIER ZINGUE
STEEL ZIPL
STAHL VERZINKT





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	10.00	3.20	1.6-4.8	7600	7300	500	2.78	-	**M70119048016-007**
		3.2	39.7			3.2-6.4			-	-	-	**M70119048032-007**
		4.8	41.3			4.8-7.9			500	3.01	-	**M70119048048-007**
		6.4	42.9			6.4-9.5			-	-	-	**M70119048064-007**
		7.9	44.5			7.9-11.1			200	-	-	**M70119048079-007**
		9.5	46.1			9.5-12.7			-	-	-	**M70119048095-007**
		11.1	47.6			11.1-14.3			200	1.43	-	**M70119048111-007**
		12.7	49.2			12.7-15.9			-	-	-	**M70119048127-007**
		14.3	50.8			14.3-17.5			-	-	-	**M70119048143-007**
		15.9	52.4			15.9-19.1			-	-	-	**M70119048159-007**
		17.5	57.7			17.5-20.6			-	-	-	**M70119048175-007**
		20.6	60.9			20.6-23.8			-	-	-	**M70119048206-007**
		23.8	64.1			23.8-27.0			-	-	-	**M70119048238-007**
		27.0	67.3			27.0-30.2			-	-	-	**M70119048270-007**
		30.2	70.4			30.2-33.3			-	-	-	**M70119048302-007**
		33.3	70.8			33.3-36.5			-	-	-	**M70119048333-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

MFC 508

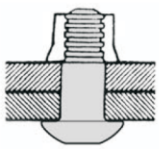
MFC 508 B

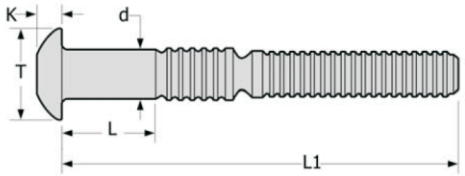
KLINKBOUTEN – PIN & COLLAR

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	13.40	3.90	1.6-4.8	13300	8100	200	2.22	-	**M70119064016-007**
		3.2	43.4			3.2-6.4			-	-	-	**M70119064032-007**
		4.8	45.0			4.8-7.9			200	2.32	-	**M70119064048-007**
		6.4	46.6			6.4-9.5			-	-	-	**M70119064064-007**
		7.9	48.2			7.9-11.1			200	2.40	-	**M70119064079-007**
		9.5	49.6			9.5-12.7			-	-	-	**M70119064095-007**
		11.1	51.4			11.1-14.3			200	2.65	-	**M70119064111-007**
		12.7	53.0			12.7-15.9			-	-	-	**M70119064127-007**
		14.3	54.6			14.3-17.5			200	2.73	-	**M70119064143-007**
		15.9	56.2			15.9-19.1			-	-	-	**M70119064159-007**
		17.5	57.7			17.5-20.6			-	-	-	**M70119064175-007**
		19.1	59.4			19.1-22.2			-	-	-	**M70119064191-007**
		20.6	60.9			20.6-23.8			-	-	-	**M70119064206-007**
		23.8	64.1			23.8-27.0			-	-	-	**M70119064238-007**
		27.0	65.7			27.0-30.2			-	-	-	**M70119064270-007**
		30.2	70.4			30.2-33.3			-	-	-	**M70119064302-007**
		36.5	77.0			36.5-39.7			-	-	-	**M70119064365-007**
		38.1	78.6			38.1-41.3			-	-	-	**M70119064381-007**
		42.9	83.3			42.9-46.0			-	-	-	**M70119064429-007**
		46.0	86.5			46.0-49.2			-	-	-	**M70119064460-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

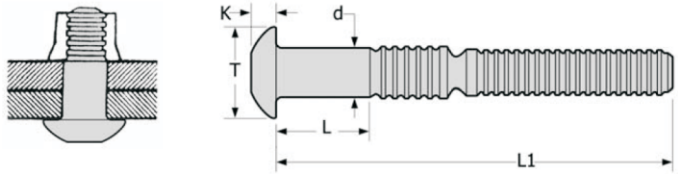
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT



Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6	48.6	16.70	5.20	1.6-7.9	20100	12500	-	-	-	**M70119080016-007**
		3.2	50.2			3.2-9.5			200	-	-	**M70119080032-007**
		4.8	51.8			4.8-11.1			-	-	-	**M70119080048-007**
		6.4	53.4			6.4-12.7			-	-	-	**M70119080064-007**
		7.9	55.0			7.9-14.3			-	-	-	**M70119080079-007**
		9.5	56.5			9.5-15.9			-	-	-	**M70119080095-007**
		11.1	58.1			11.1-17.5			-	-	-	**M70119080111-007**
		12.7	59.7			12.7-19.1			-	-	-	**M70119080127-007**
		14.3	61.3			14.3-20.6			-	-	-	**M70119080143-007**
		15.9	62.9			15.9-22.2			-	-	-	**M70119080159-007**
		19.1	66.1			19.1-25.4			-	-	-	**M70119080191-007**
		22.2	69.2			22.2-28.6			-	-	-	**M70119080222-007**
		25.4	72.4			25.4-31.8			-	-	-	**M70119080254-007**
		28.6	75.6			28.6-34.9			-	-	-	**M70119080286-007**
		31.8	80.5			31.8-38.1			-	-	-	**M70119080318-007**
		34.9	83.7			34.9-41.3			-	-	-	**M70119080349-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

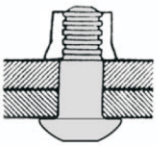
MFC 509

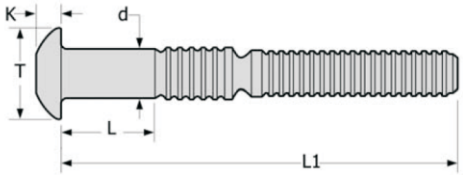
MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	20.00	6.40	1.6-7.9	28900	17900	-	-	-	**M70119010016-007**
		3.2	57.1			3.2-9.5			100	3.52	-	**M70119010032-007**
		4.8	56.7			4.8-11.1			-	-	-	**M70119010048-007**
		6.4	60.3			6.4-12.7			100	3.69	-	**M70119010064-007**
		7.9	61.9			7.9-14.3			-	-	-	**M70119010079-007**
		9.5	63.5			9.5-15.9			100	-	-	**M70119010095-007**
		11.1	65.0			11.1-17.5			-	-	-	**M70119010111-007**
		12.7	66.6			12.7-19.1			-	-	-	**M70119010127-007**
		15.9	69.8			15.9-22.0			100	4.29	-	**M70119010159-007**
		19.1	73.0			19.1-25.4			100	4.44	-	**M70119010191-007**
		22.2	76.2			22.2-28.6			100	4.56	-	**M70119010222-007**
		25.4	79.3			25.4-31.8			100	4.80	-	**M70119010254-007**
		28.6	82.5			28.6-34.9			-	-	-	**M70119010286-007**
		31.8	85.9			31.8-38.1			-	-	-	**M70119010318-007**
		34.9	89.1			34.9-41.3			-	-	-	**M70119010349-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

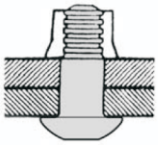
MFC 509

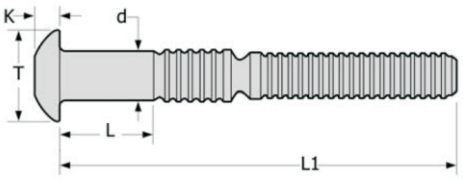
MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	10.00	3.20	1.6-4.8	4500	4400	-	-	-	**M70009048016-007**
		3.2	39.7			3.2-6.4			-	-	-	**M70009048032-007**
		4.8	41.3			4.8-7.9			-	-	-	**M70009048048-007**
		6.4	42.9			6.4-9.5			-	-	2500	**M70009048064-007**
		7.9	44.5			7.9-11.1			-	-	-	**M70009048079-007**
		9.5	46.1			9.5-12.7			-	-	-	**M70009048095-007**
		11.1	47.6			11.1-14.3			-	-	-	**M70009048111-007**
		12.7	49.2			12.7-15.9			-	-	-	**M70009048127-007**
		14.3	50.8			14.3-17.5			-	-	-	**M70009048143-007**
		15.9	52.4			15.9-19.1			-	-	-	**M70009048159-007**
		17.5	57.7			17.5-20.6			-	-	-	**M70009048175-007**
		20.6	60.9			20.6-23.8			-	-	-	**M70009048206-007**
		23.8	64.1			23.8-27.0			-	-	-	**M70009048238-007**
		27.0	67.3			27.0-30.2			-	-	-	**M70009048270-007**
		30.2	70.4			30.2-33.3			-	-	-	**M70009048302-007**
		33.3	70.8			33.3-36.5			-	-	-	**M70009048333-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

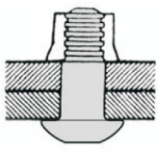
MFC 508

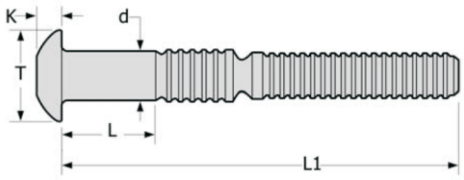
MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	13.40	3.90	1.6-4.8	8300	7900	-	-	-	**M70009064016-007**
		3.2	43.4			3.2-6.4			-	-	-	**M70009064032-007**
		4.8	45.0			4.8-7.9			-	-	-	**M70009064048-007**
		6.4	46.6			6.4-9.5			-	-	-	**M70009064064-007**
		7.9	48.2			7.9-11.1			-	-	-	**M70009064079-007**
		9.5	49.6			9.5-12.7			-	-	-	**M70009064095-007**
		11.1	51.4			11.1-14.3			-	-	-	**M70009064111-007**
		12.7	53.0			12.7-15.9			-	-	-	**M70009064127-007**
		14.3	54.6			14.3-17.5			-	-	-	**M70009064143-007**
		15.9	56.2			15.9-19.1			-	-	-	**M70009064159-007**
		17.5	57.7			17.5-20.6			-	-	-	**M70009064175-007**
		19.1	59.4			19.1-22.2			-	-	-	**M70009064191-007**
		20.6	60.9			20.6-23.8			-	-	-	**M70009064206-007**
		23.8	64.1			23.8-27.0			-	-	-	**M70009064238-007**
		27.0	65.7			27.0-30.2			-	-	-	**M70009064270-007**
		30.2	70.4			30.2-33.3			-	-	-	**M70009064302-007**
		36.5	77.0			36.5-39.7			-	-	-	**M70009064365-007**
		38.1	78.6			38.1-41.3			-	-	-	**M70009064381-007**
		42.9	83.3			42.9-46.0			-	-	-	**M70009064429-007**
		46.0	86.5			46.0-49.2			-	-	-	**M70009064460-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

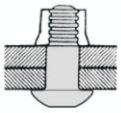
MFC 508

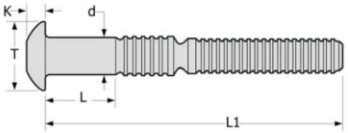
MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6	48.6	16.70	5.20	1.6-7.9	13100	12700	-	-	-	**M70009080016-007**
		3.2	50.2			3.2-9.5			-	-	-	**M70009080032-007**
		4.8	51.8			4.8-11.1			-	-	-	**M70009080048-007**
		6.4	53.4			6.4-12.7			-	-	-	**M70009080064-007**
		7.9	55.0			7.9-14.3			-	-	-	**M70009080079-007**
		9.5	56.5			9.5-15.9			-	-	-	**M70009080095-007**
		11.1	58.1			11.1-17.5			-	-	-	**M70009080111-007**
		12.7	59.7			12.7-19.1			-	-	-	**M70009080127-007**
		14.3	61.3			14.3-20.6			-	-	-	**M70009080143-007**
		15.9	62.9			15.9-22.2			-	-	-	**M70009080159-007**
		19.1	66.1			19.1-25.4			-	-	-	**M70009080191-007**
		22.2	69.2			22.2-28.6			-	-	-	**M70009080222-007**
		25.4	72.4			25.4-31.8			-	-	-	**M70009080254-007**
		28.6	75.6			28.6-34.9			-	-	-	**M70009080186-007**
		31.8	80.5			31.8-38.1			-	-	-	**M70009080318-007**
		34.9	83.7			34.9-41.3			-	-	-	**M70009080349-007**

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

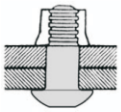
MFC 509

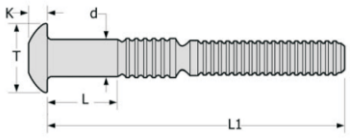
MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max		N	N	St./Pc.	Kg	St./Pc.	
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	20.00	6.40	1.6-7.9	18500	18400	-	-	-	**M70009010016-007**
		3.2	57.1			3.2-9.5			-	-	-	**M70009010032-007**
		4.8	56.7			4.8-11.1			-	-	-	**M70009010048-007**
		6.4	60.3			6.4-12.7			-	-	-	**M70009010064-007**
		7.9	61.9			7.9-14.3			-	-	-	**M70009010079-007**
		9.5	63.5			9.5-15.9			-	-	-	**M70009010095-007**
		11.1	65.0			11.1-17.5			-	-	-	**M70009010111-007**
		12.7	66.6			12.7-19.1			-	-	-	**M70009010127-007**
		15.9	69.8			15.9-22.2			-	-	-	**M70009010159-007**
		19.1	73.0			19.1-25.4			-	-	-	**M70009010190-007**
		22.2	76.2			22.2-28.6			-	-	-	**M70009010222-007**
		25.4	79.3			25.4-31.8			-	-	-	**M70009010254-007**
		28.6	82.5			28.6-34.9			-	-	-	**M70009010286-007**
		31.8	85.9			31.8-38.1			-	-	-	**M70009010318-007**
		34.9	89.1			34.9-41.3			-	-	-	**M70009010349-007**

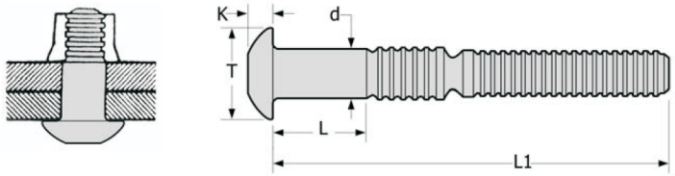
Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2
Inox A2
SS A2
Inox A2



Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	10.00	3.20	1.6-4.8	8800	6400	-	-	-	**M70449048016-007**
		3.2	39.7			3.2-6.4			-	-	-	**M70449048032-007**
		4.8	41.3			4.8-7.9			-	-	-	**M70449048048-007**
		6.4	42.9			6.4-9.5			-	-	-	**M70449048064-007**
		7.9	44.5			7.9-11.1			-	-	-	**M70449048079-007**
		9.5	46.1			9.5-12.7			-	-	-	**M70449048095-007**
		11.1	47.6			11.1-14.3			-	-	-	**M70449048111-007**
		12.7	49.2			12.7-15.9			-	-	-	**M70449048127-007**
		14.3	50.8			14.3-17.5			-	-	-	**M70449048143-007**
		15.9	52.4			15.9-19.1			-	-	-	**M70449048159-007**
		17.5	57.7			17.5-20.6			-	-	-	**M70449048175-007**
		20.6	60.9			20.6-23.8			-	-	-	**M70449048206-007**
		23.8	64.1			23.8-27.0			-	-	-	**M70449048238-007**
		27.0	67.3			27.0-30.2			-	-	-	**M70449048270-007**
		30.2	70.4			30.2-33.3			-	-	-	**M70449048302-007**
		33.3	70.8			33.3-36.5			-	-	-	**M70449048333-007**

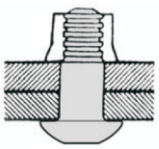
Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

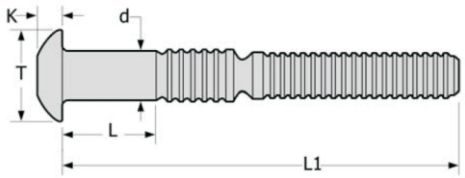
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2
Inox A2
SS A2
Inox A2





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	13.40	3.90	1.6-4.8	15600	12100	-	-	-	M70449064016-007
		3.2	43.4			3.2-6.4			-	-	-	M70449064032-007
		4.8	45.0			4.8-7.9			-	-	-	M70449064048-007
		6.4	46.6			6.4-9.5			-	-	-	M70449064064-007
		7.9	48.2			7.9-11.1			-	-	-	M70449064079-007
		9.5	49.6			9.5-12.7			-	-	-	M70449064095-007
		11.1	51.4			11.1-14.3			-	-	-	M70449064111-007
		12.7	53.0			12.7-15.9			-	-	-	M70449064127-007
		14.3	54.6			14.3-17.5			-	-	-	M70449064143-007
		15.9	56.2			15.9-19.1			-	-	-	M70449064159-007
		17.5	57.7			17.5-20.6			-	-	-	M70449064175-007
		19.1	59.4			19.1-22.2			-	-	-	M70449064191-007
		20.6	60.9			20.6-23.8			-	-	-	M70449064206-007
		23.8	64.1			23.8-27.0			-	-	-	M70449064238-007
		27.0	65.7			27.0-30.2			-	-	-	M70449064270-007
		30.2	70.4			30.2-33.3			-	-	-	M70449064302-007
		36.5	77.0			36.5-39.7			-	-	-	M70449064365-007
		38.1	78.6			38.1-41.3			-	-	-	M70449064381-007
		42.9	83.3			42.9-46.0			-	-	-	M70449064429-007
		46.0	86.5			46.0-49.2			-	-	-	M70449064460-007

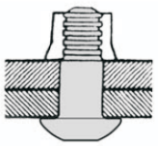
Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

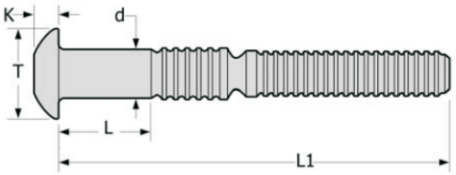
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2
Inox A2
SS A2
Inox A2





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6	48.6	16.70	5.20	1.6-7.9	24400	18800	-	-	-	M70449080016-007
		3.2	50.2			3.2-9.5			-	-	-	M70449080032-007
		4.8	51.8			4.8-11.1			-	-	-	M70449080048-007
		6.4	53.4			6.4-12.7			-	-	-	M70449080064-007
		7.9	55.0			7.9-14.3			-	-	-	M70449080079-007
		9.5	56.5			9.5-15.9			-	-	-	M70449080095-007
		11.1	58.1			11.1-17.5			-	-	-	M70449080111-007
		12.7	59.7			12.7-19.1			-	-	-	M70449080127-007
		14.3	61.3			14.3-20.6			-	-	-	M70449080143-007
		15.9	62.9			15.9-22.2			-	-	-	M70449080159-007
		19.1	66.1			19.1-25.4			-	-	-	M70449080191-007
		22.2	69.2			22.2-28.6			-	-	-	M70449080222-007
		25.4	72.4			25.4-31.8			-	-	-	M70449080254-007
		28.6	75.6			28.6-34.9			-	-	-	M70449080286-007
		31.8	80.5			31.8-38.1			-	-	-	M70449080318-007
		34.9	83.7			34.9-41.3			-	-	-	M70449080349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

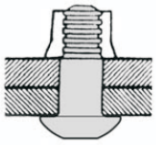
MFC 509

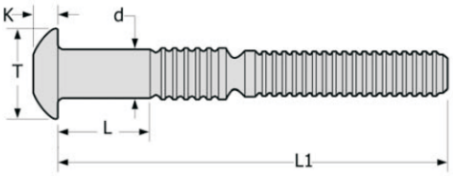
MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2

Inox A2
SS A2
Inox A2





Platte kop

Tête plate
Dome head
Flach-rundkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	20.00	6.40	1.6-7.9	35400	27200	-	-	-	M70449010016-007
		3.2	57.1			3.2-9.5			-	-	-	M70449010032-007
		4.8	56.7			4.8-11.1			-	-	-	M70449010048-007
		6.4	60.3			6.4-12.7			-	-	-	M70449010064-007
		7.9	61.9			7.9-14.3			-	-	-	M70449010079-007
		9.5	63.5			9.5-15.9			-	-	-	M70449010095-007
		11.1	65.0			11.1-17.5			-	-	-	M70449010111-007
		12.7	66.6			12.7-19.1			-	-	-	M70449010127-007
		15.9	69.8			15.9-22.2			-	-	-	M70449010159-007
		19.1	73.0			19.1-25.4			-	-	-	M70449010191-007
		22.2	76.2			22.2-28.6			-	-	-	M70449010222-007
		25.4	79.3			25.4-31.8			-	-	-	M70449010254-007
		28.6	82.5			28.6-34.9			-	-	-	M70449010286-007
		31.8	85.9			31.8-38.1			-	-	-	M70449010318-007
		34.9	89.1			34.9-41.3			-	-	-	M70449010349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

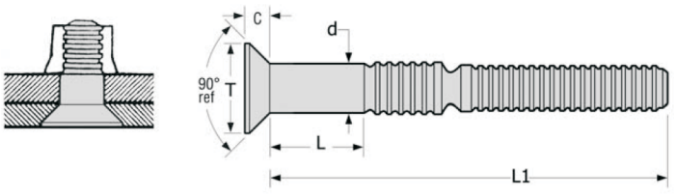
MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	9.30	2.60	1.6-4.8	7600	7300	-	-	-	M72119048016-007
		3.2	39.7			3.2-6.4			-	-	-	M72119048032-007
		4.8	41.3			4.8-7.9			-	-	-	M72119048048-007
		6.4	42.9			6.4-9.5			-	-	-	M72119048064-007
		7.9	44.5			7.9-11.1			-	-	-	M72119048079-007
		9.5	46.1			9.5-12.7			-	-	-	M72119048095-007
		11.1	47.6			11.1-14.3			-	-	-	M72119048111-007
		12.7	49.2			12.7-15.9			-	-	-	M72119048127-007
		14.3	50.8			14.3-17.5			-	-	-	M72119048143-007
		15.9	52.4			15.9-19.1			-	-	-	M72119048159-007
		17.5	57.7			17.5-20.6			-	-	-	M72119048175-007
		20.6	60.9			20.6-23.8			-	-	-	M72119048206-007
		23.8	64.1			23.8-27.0			-	-	-	M72119048238-007
		27.0	67.3			27.0-30.2			-	-	-	M72119048270-007
		30.2	70.4			30.2-33.3			-	-	-	M72119048302-007
		33.3	70.8			33.3-36.5			-	-	-	M72119048333-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

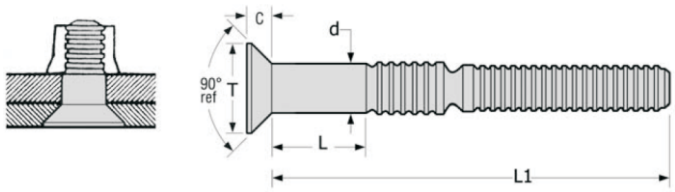
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	12.00	3.00	1.3-4.8	13300	8100	-	-	-	M72119064016-007
		3.2	43.4			3.2-6.4			-	-	-	M72119064032-007
		4.8	45.0			4.8-7.9			-	-	-	M72119064048-007
		6.4	46.6			6.4-9.5			-	-	-	M72119064064-007
		7.9	48.2			7.9-11.1			-	-	-	M72119064079-007
		9.5	49.6			9.5-12.7			-	-	-	M72119064095-007
		11.1	51.4			11.1-14.3			-	-	-	M72119064111-007
		12.7	53.0			12.7-15.9			-	-	-	M72119064127-007
		14.3	54.6			14.3-17.5			-	-	-	M72119064143-007
		15.9	56.2			15.9-19.1			-	-	-	M72119064159-007
		17.5	57.7			17.5-20.6			-	-	-	M72119064175-007
		19.1	59.4			19.1-22.2			-	-	-	M72119064191-007
		20.6	60.9			20.6-23.8			-	-	-	M72119064206-007
		23.8	64.1			23.8-27.0			-	-	-	M72119064238-007
		27.0	65.7			27.0-30.2			-	-	-	M72119064270-007
		30.2	70.4			30.2-33.3			-	-	-	M72119064302-007
		36.5	77.0			36.5-39.7			-	-	-	M72119064365-007
		38.1	78.6			38.1-41.3			-	-	-	M72119064381-007
		42.9	83.3			42.9-46.0			-	-	-	M72119064429-007
		46.0	86.5			46.0-49.2			-	-	-	M72119064460-007

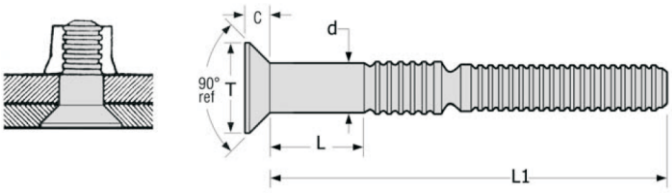
Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS – SCHLIESSRINGBOLZEN

STAAL VERZINKT
ACIER ZINGUE
STEEL ZINC PLATED
STAHL VERZINKT



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6-	48.+6	15.0	3.70	1.6-7.9	20100	12500	-	-	-	M72119080016-007
		3.2	50.2			3.2-9.5			-	-	-	M72119080032-007
		4.8	51.8			4.8-11.1			-	-	-	M72119080048-007
		6.4	53.4			6.4-12.7			-	-	-	M72119080064-007
		7.9	55.0			7.9-14.3			-	-	-	M72119080079-007
		9.5	56.5			9.5-15.9			-	-	-	M72119080095-007
		11.1	58.1			11.1-17.5			-	-	-	M72119080111-007
		12.7	59.7			12.7-19.1			-	-	-	M72119080127-007
		14.3	61.3			14.3-20.6			-	-	-	M72119080143-007
		15.9	62.9			15.9-22.2			-	-	-	M72119080159-007
		19.1	66.1			19.1-25.4			-	-	-	M72119080191-007
		22.2	69.2			22.2-28.6			-	-	-	M72119080222-007
		25.4	72.4			25.4-31.8			-	-	-	M72119080254-007
		28.6	75.6			28.6-34.9			-	-	-	M72119080286-007
		31.8	80.5			31.8-38.1			-	-	-	M72119080318-007
		34.9	83.7			34.9-41.3			-	-	-	M72119080349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

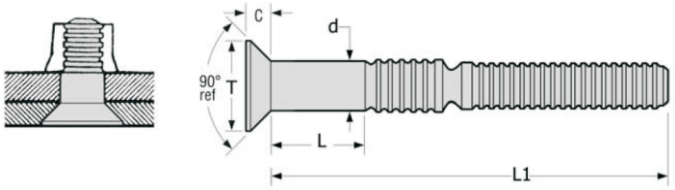
MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINCPLATED
STAHL VERZINKT



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	18.0	4.40	1.6-7.9	28900	17900	-	-	-	M72119010016-007
		3.2	57.1			3.2-9.5			-	-	-	M72119010032-007
		4.8	56.7			4.8-11.1			-	-	-	M72119010048-007
		6.4	60.3			6.4-12.7			-	-	-	M72119010064-007
		7.9	61.9			7.9-14.3			-	-	-	M72119010079-007
		9.5	63.5			9.5-15.9			-	-	-	M72119010095-007
		11.1	65.0			11.1-17.5			-	-	-	M72119010111-007
		12.7	66.6			12.7-19.1			-	-	-	M72119010127-007
		15.9	69.8			15.9-22.2			-	-	-	M72119010159-007
		19.1	73.0			19.1-25.4			-	-	-	M72119010190-007
		22.2	76.2			22.2-28.6			-	-	-	M72119010222-007
		25.4	79.3			25.4-31.8			-	-	-	M72119010254-007
		28.6	82.5			28.6-34.9			-	-	-	M72119010286-007
		31.8	85.9			31.8-38.1			-	-	-	M72119010318-007
		34.9	89.1			34.9-41.3			-	-	-	M72119010349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

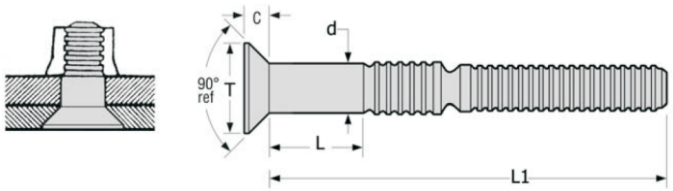
MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	9.30	2.60	1.6-4.8	4500	4400	-	-	-	M72009048016-007
		3.2	39.7			3.2-6.4			-	-	-	M72009048032-007
		4.8	41.3			4.8-7.9			-	-	-	M72009048048-007
		6.4	42.9			6.4-9.5			-	-	-	M72009048064-007
		7.9	44.5			7.9-11.1			-	-	-	M72009048079-007
		9.5	46.1			9.5-12.7			-	-	-	M72009048095-007
		11.1	47.6			11.1-14.3			-	-	-	M72009048111-007
		12.7	49.2			12.7-15.9			-	-	-	M72009048127-007
		14.3	50.8			14.3-17.5			-	-	-	M72009048143-007
		15.9	52.4			15.9-19.1			-	-	-	M72009048159-007
		17.5	57.7			17.5-20.6			-	-	-	M72009048175-007
		20.6	60.9			20.6-23.8			-	-	-	M72009048206-007
		23.8	64.1			23.8-27.0			-	-	-	M72009048238-007
		27.0	67.3			27.0-30.2			-	-	-	M72009048270-007
		30.2	70.4			30.2-33.3			-	-	-	M72009048302-007
		33.3	70.8			33.3-36.5			-	-	-	M72009048333-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

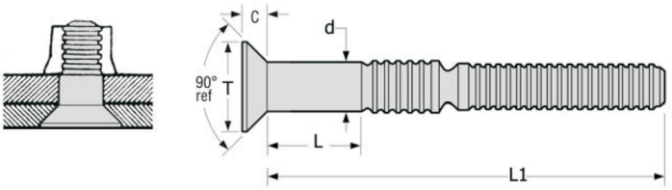
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	12.00	3.00	1.6-4.8	8300	7900	-	-	-	M72009064016-007
		3.2	43.4			3.2-6.4			-	-	-	M72009064032-007
		4.8	45.0			4.8-7.9			-	-	-	M72009064048-007
		6.4	46.6			6.4-9.5			-	-	-	M72009064064-007
		7.9	48.2			7.9-11.1			-	-	-	M72009064079-007
		9.5	49.6			9.5-12.7			-	-	-	M72009064095-007
		11.1	51.4			11.1-14.3			-	-	-	M72009064111-007
		12.7	53.0			12.7-15.9			-	-	-	M72009064127-007
		14.3	54.6			14.3-17.5			-	-	-	M72009064143-007
		15.9	56.2			15.9-19.1			-	-	-	M72009064159-007
		17.5	57.7			17.5-20.6			-	-	-	M72009064175-007
		19.1	59.4			19.1-22.2			-	-	-	M72009064190-007
		20.6	60.9			20.6-23.8			-	-	-	M72009064206-007
		23.8	64.1			23.8-27.0			-	-	-	M72009064238-007
		27.0	65.7			27.0-30.2			-	-	-	M72009064270-007
		30.2	70.4			30.2-33.3			-	-	-	M72009064302-007
		36.5	77.0			36.5-39.7			-	-	-	M72009064365-007
		38.1	78.6			38.1-41.3			-	-	-	M72009064381-007
		42.9	83.3			42.9-46.0			-	-	-	M72009064429-007
		46.0	86.5			46.0-49.2			-	-	-	M72009064460-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

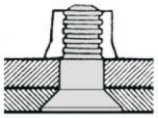
MFC 508

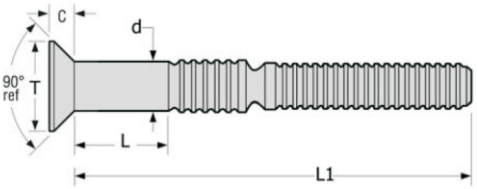
MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6	48.6	15.00	3.70	1.6-7.9	13100	12700	-	-	-	M72009080016-007
		3.2	50.2			3.2-9.5			-	-	-	M72009080032-007
		4.8	51.8			4.8-11.1			-	-	-	M72009080048-007
		6.4	53.4			6.4-12.7			-	-	-	M72009080064-007
		7.9	55.0			7.9-14.3			-	-	-	M72009080079-007
		9.5	56.5			9.5-15.9			-	-	-	M72009080095-007
		11.1	58.1			11.1-17.5			-	-	-	M72009080111-007
		12.7	59.7			12.7-19.1			-	-	-	M72009080127-007
		14.3	61.3			14.3-20.6			-	-	-	M72009080143-007
		15.9	62.9			15.9-22.2			-	-	-	M72009080159-007
		19.1	66.1			19.1-25.4			-	-	-	M72009080191-007
		22.2	69.2			22.2-28.6			-	-	-	M72009080222-007
		25.4	72.4			25.4-31.8			-	-	-	M72009080254-007
		28.6	75.6			28.6-34.9			-	-	-	M72009080286-007
		31.8	80.5			31.8-38.1			-	-	-	M72009080318-007
		34.9	83.7			34.9-41.3			-	-	-	M72009080349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwerkzeuge:

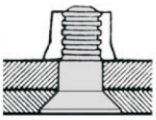
MFC 509

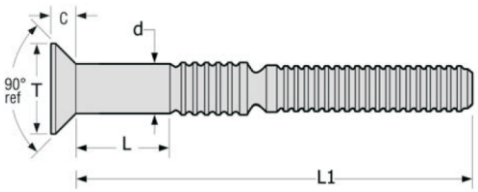
MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

Aluminium

Alu
Alu
Alu





Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	18.00	4.40	1.6-7.9	18500	18400	-	-	-	M72009010016-007
		3.2	57.1			3.2-9.5			-	-	-	M72009010032-007
		4.8	56.7			4.8-11.1			-	-	-	M72009010048-007
		6.4	60.3			6.4-12.7			-	-	-	M72009010064-007
		7.9	61.9			7.9-14.3			-	-	-	M72009010079-007
		9.5	63.5			9.5-15.9			-	-	-	M72009010095-007
		11.1	65.0			11.1-17.5			-	-	-	M72009010111-007
		12.7	66.6			12.7-19.1			-	-	-	M72009010127-007
		15.9	69.8			15.9-22.2			-	-	-	M72009010159-007
		19.1	73.0			19.1-25.4			-	-	-	M72009010191-007
		22.2	76.2			22.2-28.6			-	-	-	M72009010222-007
		25.4	79.3			25.4-31.8			-	-	-	M72009010254-007
		28.6	82.5			28.6-34.9			-	-	-	M72009010286-007
		31.8	85.9			31.8-38.1			-	-	-	M72009010318-007
		34.9	89.1			34.9-41.3			-	-	-	M72009010349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

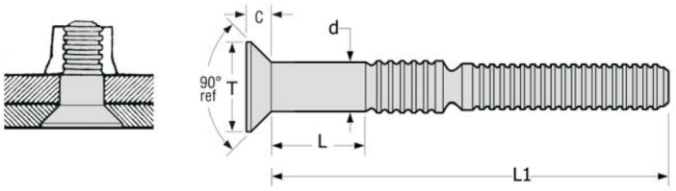
MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2

Inox A2
SS A2
Inox A2



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.0	1.6	38.1	9.30	2.60	1.6-4.8	8800	6400	-	-	-	M72449048016-007
		3.2	39.7			3.2-6.4			-	-	-	M72449048032-007
		4.8	41.3			4.8-7.9			-	-	-	M72449048048-007
		6.4	42.9			6.4-9.5			-	-	-	M72449048064-007
		7.9	44.5			7.9-11.1			-	-	-	M72449048079-007
		9.5	46.1			9.5-12.7			-	-	-	M72449048095-007
		11.1	47.6			11.1-14.3			-	-	-	M72449048111-007
		12.7	49.2			12.7-15.9			-	-	-	M72449048127-007
		14.3	50.8			14.3-17.5			-	-	-	M72449048143-007
		15.9	52.4			15.9-19.1			-	-	-	M72449048159-007
		17.5	57.7			17.5-20.6			-	-	-	M72449048175-007
		20.6	60.9			20.6-23.8			-	-	-	M72449048206-007
		23.8	64.1			23.8-27.0			-	-	-	M72449048238-007
		27.0	67.3			27.0-30.2			-	-	-	M72449048270-007
		30.2	70.4			30.2-33.3			-	-	-	M72449048302-007
		33.3	70.8			33.3-36.5			-	-	-	M72449048333-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

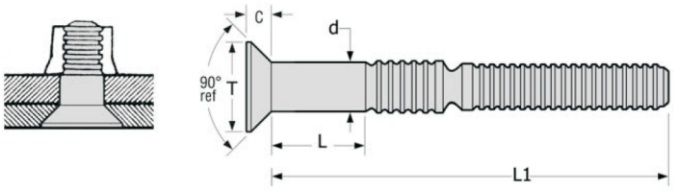
MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2

Inox A2
SS A2
Inox A2



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
6.4	6.6	1.6	41.9	12.00	3.00	1.6-4.8	15600	12100	-	-	-	M72449064016-007
		3.2	43.4			3.2-6.4			-	-	-	M72449064032-007
		4.8	45.0			4.8-7.9			-	-	-	M72449064048-007
		6.4	46.6			6.4-9.5			-	-	-	M72449064064-007
		7.9	48.2			7.9-11.1			-	-	-	M72449064079-007
		9.5	49.6			9.5-12.7			-	-	-	M72449064095-007
		11.1	51.4			11.1-14.3			-	-	-	M72449064111-007
		12.7	53.0			12.7-15.9			-	-	-	M72449064127-007
		14.3	54.6			14.3-17.5			-	-	-	M72449064143-007
		15.9	56.2			15.9-19.1			-	-	-	M72449064159-007
		17.5	57.7			17.5-20.6			-	-	-	M72449064175-007
		16.1	59.4			19.1-22.2			-	-	-	M72449064161-007
		20.6	60.9			20.6-23.8			-	-	-	M72449064206-007
		23.8	64.1			23.8-27.0			-	-	-	M72449064238-007
		27.0	65.7			27.0-30.2			-	-	-	M72449064270-007
		30.2	70.4			30.2-33.3			-	-	-	M72449064302-007
		36.5	77.0			36.5-39.7			-	-	-	M72449064365-007
		38.1	78.6			38.1-41.3			-	-	-	M72449064381-007
		42.9	83.3			42.9-46.0			-	-	-	M72449064429-007
		46.0	86.5			46.0-49.2			-	-	-	M72449064460-007

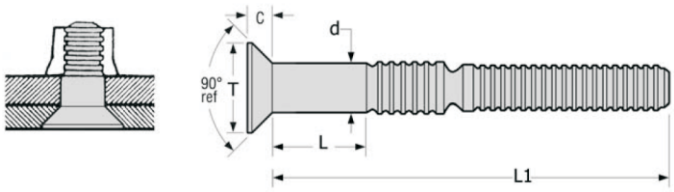
Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

MFC 508

MFC 508 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2
Inox A2
SS A2
Inox A2



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
8.0	8.2	1.6	48.6	15.00	3.70	1.6-7.9	24400	18800	-	-	-	M72449080016-007
		3.2	50.2			3.2-9.5			-	-	-	M72449080032-007
		4.8	51.8			4.8-11.1			-	-	-	M72449080048-007
		6.4	53.4			6.4-12.7			-	-	-	M72449080064-007
		7.9	55.0			7.9-14.3			-	-	-	M72449080079-007
		9.5	56.5			9.5-15.9			-	-	-	M72449080095-007
		11.1	58.1			11.1-17.5			-	-	-	M72449080111-007
		12.7	59.7			12.7-19.1			-	-	-	M72449080127-007
		14.3	61.3			14.3-20.6			-	-	-	M72449080143-007
		15.9	62.9			15.9-22.2			-	-	-	M72449080159-007
		19.1	66.1			19.1-25.4			-	-	-	M72449080191-007
		22.2	69.2			22.2-28.6			-	-	-	M72449080222-007
		25.4	72.4			25.4-31.8			-	-	-	M72449080254-007
		28.6	75.6			28.6-34.9			-	-	-	M72449080286-007
		31.8	80.5			31.8-38.1			-	-	-	M72449080318-007
		34.9	83.7			34.9-41.3			-	-	-	M72449080349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

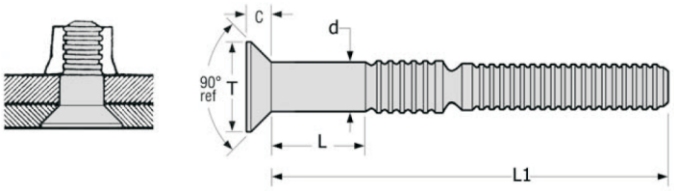
MFC 509

MFC 509 B

BOULONS A SERTIR - LOCKING BOLTS - SCHLIESSRINGBOLZEN

RVS A2

Inox A2
SS A2
Inox A2



Verzonken kop

Tête fraisée
Countersunk head
Senkkopf

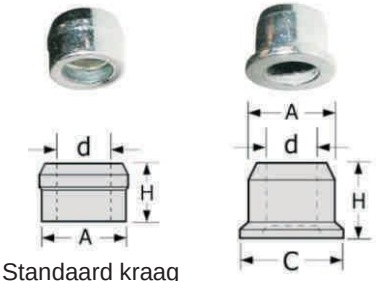
d		L	L1	T	k max							
mm	mm	mm	mm	mm	mm	mm	N	N	St./Pc.	Kg	St./Pc.	
10.0	10.0	1.6	55.5	18.00	4.40	1.6-7.9	35400	27200	-	-	-	M72449010016-007
		3.2	57.1			3.2-9.5			-	-	-	M72449010032-007
		4.8	56.7			4.8-11.1			-	-	-	M72449010048-007
		6.4	60.3			6.4-12.7			-	-	-	M72449010064-007
		7.9	61.9			7.9-14.3			-	-	-	M72449010079-007
		9.5	63.5			9.5-15.9			-	-	-	M72449010095-007
		11.1	65.0			11.1-17.5			-	-	-	M72449010111-007
		12.7	66.6			12.7-19.1			-	-	-	M72449010127-007
		15.9	69.8			15.9-22.2			-	-	-	M72449010159-007
		19.1	73.0			19.1-25.4			-	-	-	M72449010191-007
		22.2	76.2			22.2-28.6			-	-	-	M72449010222-007
		25.4	79.3			25.4-31.8			-	-	-	M72449010254-007
		28.6	82.5			28.6-34.9			-	-	-	M72449010286-007
		31.8	85.9			31.8-38.1			-	-	-	M72449010318-007
		34.9	89.1			34.9-41.3			-	-	-	M72449010349-007

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

MFC 509

MFC 509 B

COLLAR - RING



Standaard kraag

Kraag met flens

Staal verzinkte kraag

omschrijving	D mm	A max mm	H max mm	C max mm	St./Pc.	Kg	St./Pc.	
Standaard kraag	4.8	8.0	6.3	-	500	-	-	M79119004800-009
	6.4	10.4	8.2	-	200	-	-	M79119006400-009
	8.0	12.6	9.7	-	200	-	-	M79119008000-009
	10.0	15.2	11.7	-	100	-	-	M79119010000-009
Kraag met flens	4.8	8.0	7.1	10.0	500	-	-	M79119004800-010
	6.4	10.4	9.7	13.2	200	-	-	M79119006400-010
	8.0	12.9	10.8	16.4	200	-	-	M79119008000-010
	10.0	15.5	13.6	19.7	100	-	-	M79119010000-010

Kraag aluminium

omschrijving	D mm	A max mm	H max mm	C max mm	St./Pc.	Kg	St./Pc.	
Standaard kraag	4.8	8.0	6.3	-	500	-	-	M79009004800-009
	6.4	10.4	8.2	-	200	-	-	M79009006400-009
	8.0	12.6	9.7	-	200	-	-	M79009008000-009
	10.0	15.2	11.7	-	100	-	-	M79009010000-009
Kraag met flens	4.8	8.0	7.1	10.0	500	-	-	M79009004800-010
	6.4	10.4	9.7	13.2	200	-	-	M79009006400-010
	8.0	12.9	10.8	16.4	200	-	-	M79009008000-010
	10.0	15.5	13.6	19.7	100	-	-	M79009010000-010

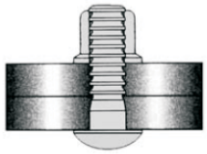
Kraag RVS A2

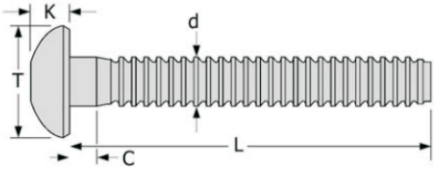
omschrijving	D mm	A max mm	H max mm	C max mm	St./Pc.	Kg	St./Pc.	
Standaard kraag	4.8	8.0	6.3	-	-	-	-	M79449004800-009
	6.4	10.4	8.2	-	-	-	-	M79449006400-009
	8.0	12.6	9.7	-	-	-	-	M79449008000-009
	10.0	15.2	11.7	-	-	-	-	M79449010000-009
Kraag met flens	4.8	8.0	7.1	10.0	-	-	-	M79449004800-010
	6.4	10.4	9.7	13.2	-	-	-	M79449006400-010
	8.0	12.9	10.8	16.4	-	-	-	M79449008000-010
	10.0	15.5	13.6	19.7	-	-	-	M79449010000-010

BOULONS A SERTIR - LOCKING BOLTS – SCHLIESSRINGBOLZEN

STAAL VERZINKT

ACIER ZINGUE
STEEL ZINC
PLATEDSTAHL VERZINKT





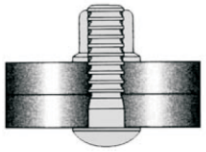
Platte kop

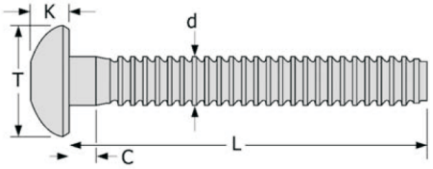
Tête plate
Dome head
Flach-rundkopf

d mm		L mm	C mm	T mm	k max mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.2	47.3	1.80	10.10	3.30	1.6-16.0	7500	6000	-	-	-	M70119048473-008
		61.0	8.40			8.0-32.0			-	-	-	M70119048610-008
6.4	6.8	52.3	2.00	13.40	4.00	1.6-16.0	10000	11500	-	-	-	M70119064523-008
		66.7	8.40			8.0-32.0			-	-	-	M70119064667-008

Aluminium

Alu
Alu
Alu





Platte kop

Tête plate
Dome head
Flach-rundkopf

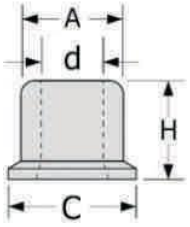
d mm		L mm	C mm	T mm	k max mm	mm	N	N	St./Pc.	Kg	St./Pc.	
4.8	5.2	47.3	1.80	10.10	3.30	1.6-16.0	3500	4000	-	-	-	M70009048473-008
		61.0	8.40			8.0-32.0			-	-	-	M70009048610-008
6.4	6.8	52.3	2.00	13.40	4.00	1.6-16.0	5500	7500	-	-	-	M70009064523-008
		66.7	8.40			8.0-32.0			-	-	-	M70009064667-008

Plaatsingsgereedschappen:
Appareils de pose:
Installation tools:
Einbauwrerkzeuge:

MFC 508

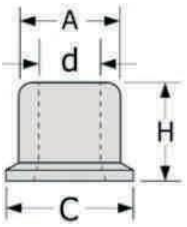
MFC 508 B

BAGUE – COLLAR - RING



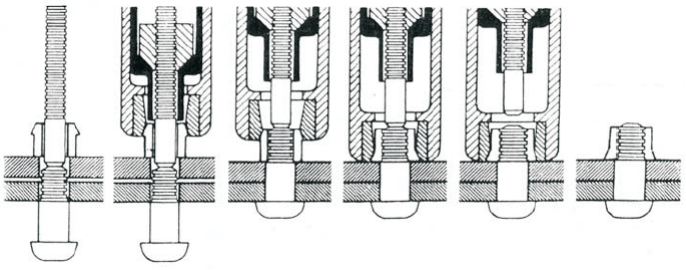
Staal verzinkte kraag

omschrijving	D	A max	H max	C max				
	mm	mm	mm	mm	St./Pc.	Kg	St./Pc.	
Kraag met flens	4.8	8.0	7.1	9.8	-	-	-	M79119004800-010
	6.4	10.4	9.7	13.1	-	-	-	M79119006400-010



Kraag aluminium

omschrijving	D	A max	H max	C max				
	mm	mm	mm	mm	St./Pc.	Kg	St./Pc.	
Kraag met flens	4.8	8.0	7.1	9.8	-	-	-	M79009004800-010
	6.4	10.4	9.7	13.1	-	-	-	M79009006400-010

OUTILS – TOOLS - WERKZEUGE

	Ø	MFC 508	MFC 508 B	MFC 509	MFC 509 B
LOCKBOLT PIN & COLLAR	4.8	●	●		
	6.4	●	●	●	●
	8.0			●	●
	10.0			●	●
LOCKBOLT “M-GRIP”	4.8	●	●		
	6.4	●	●