

## Prolongateurs et bornes ABS & NSA



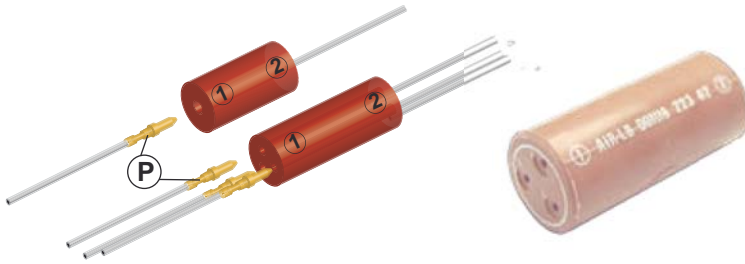
## Splices & Terminal blocks ABS & NSA

Edition 07/08

# Amphenol Air LB

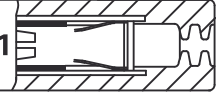
SYSTEMES DE CONNEXIONS ELECTRIQUES ET ELECTRONIQUES  
ELECTRIC AND ELECTRONIC CONNECTION SYSTEMS

# PROLONGATEURS SPLICES



Contacts - tailles 22, 20 et 16  
Contacts - sizes 22, 20 and 16

AIR LB REF. 00111



Les prolongateurs **Amphenol Air LB** sont constitués de contacts femelles (S) insérés à l'intérieur d'un manchon en alliage cuivreux et d'un surmoulage en élastomère silicone fluoré. Ils bénéficient de la même technologie que les modules. Ils sont étanches et existent en 1, 2, 3, 4 circuits.

*Amphenol Air LB splices consist of female contacts (S) inserted in a thermosetting resin and fluorinated silicone elastomer sleeve. The technology used is the same as for modules. They are sealed and are available in 1, 2, 3, 4 circuits.*

Ces prolongateurs reçoivent des contacts mâles à sertir (P), conformes aux normes NF L53-105, NAS 1749 et EN 3155-016 (page 103).

*These in-line junctions are suitable for male crimp contacts (P) which comply with NF L53-105, NAS 1749, and EN 3155-016 standards (page 103).*



## CARACTERISTIQUES TECHNIQUES TECHNICAL DATA

### MECANIQUE

Module	Matière	: Thermoplastique
Joint	Matière	: Elastomère silicone
Contact	Matière	: Alliage de cuivre
	Protection	: Or sur nickel
Endurance		: 500 cycles complets de verrouillage et déverrouillage
Vibrations		: 10 à 2000 Hz, 20 g, 12 cycles, discontinuité ≤ 1 ms
Chocs		: 100 g, 1/2 sinus, 6 ms, 3 chocs dans 6 sens
Rétention contacts		: taille 22 : 5,4 daN taille 20 : 9 daN taille 16 : 11,4 daN

### CLIMATIQUE

Température d'utilisation : -55°C à +175°C

### ELECTRIQUE

Tension de tenue :		
au niveau de la mer	: tailles 22, 20 et 16 :	1 500 V
altitude 12 000 m	: tailles 22, 20 et 16 :	1 000 V
Résistance d'isolement		: ≥ à 5 000 MΩ
Intensité maxi du contact	: taille 22 :	5 A
	: taille 20 :	7,5 A
	: taille 16 :	13 A

### MECANIQUE

Module	Material	: Thermoplastic
Grommet	Material	: Silicon Elastomer
Contact	Material	: Copper alloy
	Protection	: Gold plated
Endurance		: 500 full cycles of mating/unmating
Vibrations		: 10 at 2000 Hz, 20 g, 12 cycles, discontinuity ≤ 1 ms
Shocks :		: 100 g, 1/2 sine wave, 6 ms, 3 shocks in 6 ways
Contact retention		: size 22 : 5,4 daN size 20 : 9 daN size 16 : 11,4 daN

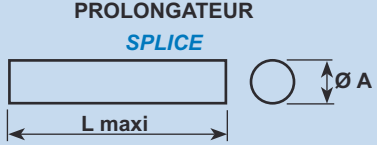
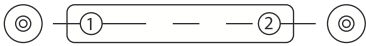




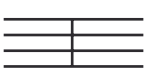

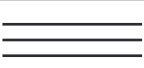




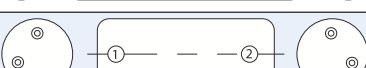


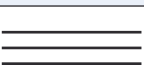

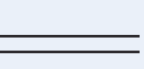
### CLIMATE

Temperature range : -55°C to +175°C

### ELECTRIQUE

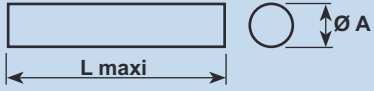


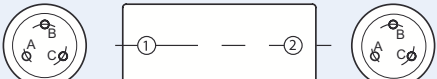
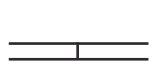

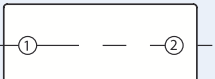

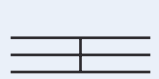
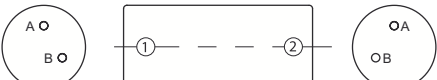
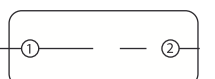

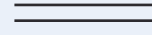
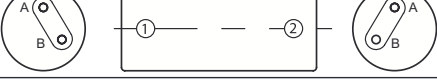






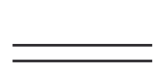



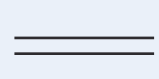

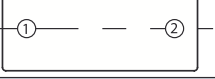
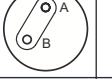
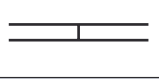
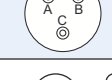

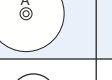

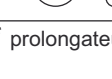
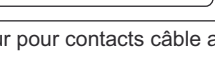
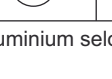
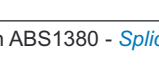
Dielectric withstanding voltage :		
at sea level	: sizes 22, 20 and 16 :	1 500 V.R.M.S.
12 000 meters	: sizes 22, 20 and 16 :	1 000 V.R.M.S.
Insulation resistance		: ≥ to 5 000 MΩ
Maximum contact current rating :	: size 22 :	5 A
	: size 20 :	7,5 A
	: size 16 :	13 A

# PROLONGATEURS SPLICES

	CIRCUIT CIRCUIT	CONTACT Taille Size		L maxi	Ø A	REFERENCE PART NUMBER	Masse Weight
		①	②				g.
		22	22	30,5 (.1.200)	5 (.196)	001119 101 02	
		22	22	29 (.1.141)	13 (.511)	001119 108 02	10
		22	22	35 (.1.377)	13 (.511)	001119 168 02*	10
		20	20	35 (.1.377)	13 (.511)	001119 158 02*	10
		20	20	29 (.1.141)	6 (.236)	001119 201 02	1,7
		20	20	29 (.1.141)	6 (.236)	001119 201 30	
		20	20	29 (.1.141)	12,7 (.500)	001119 202 02	6,1
		20	20	29 (.1.141)	12,7 (.500)	001119 203 02	6,8
		20	20	29 (.1.141)	6 (.236)	001119 204 02	

\* prolongateur pour contacts câble aluminium selon ABS1380 - *Splice designed for ABS 1380 aluminium cable contacts*

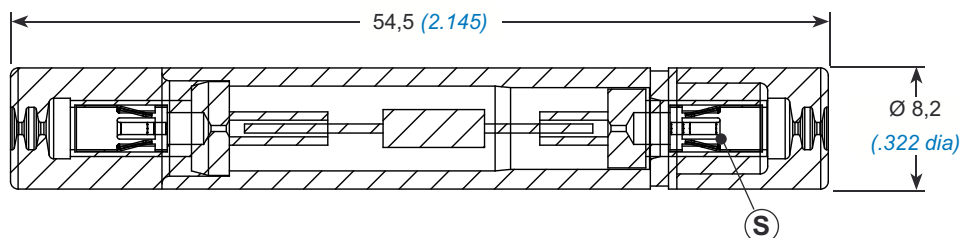
# PROLONGATEURS SPLICES

<b>PROLONGATEUR SPLICE</b> 	Circuit	CONTACT Taille Size		L maxi	Ø A	REFERENCE PART NUMBER	Masse Weight
		①	②				g.
   	20	20	29 (.141)	12,7 (.500)	<b>001119 222 02</b>	6,4	
   	20	20	29 (.141)	12,7 (.500)	<b>001119 223 02</b>	6,9	
   	20	20	29 (.141)	12,7 (.500)	<b>001119 224 02</b>	6,9	
   	20	20	35 (.1377)	13 (.511)	<b>001119 252 02</b>	10	
   	16	16	37 (.1456)	7,2 (.283)	<b>001119 301 02</b>	2,9	
   	16	16	37 (.1456)	15 (.589)	<b>001119 302 02</b>	11,7	
   	16	16	37 (.1456)	15 (.589)	<b>001119 322 02</b>	11,7	
   	16	20	33,5 (.1320)	12,7 (.500)	<b>001119 501 02</b>	7,7	
   	22	20	29 (.141)	6 (.236)	<b>001119 503 02</b>	2,15	

\* prolongateur pour contacts câble aluminium selon ABS1380 - *Splice designed for ABS 1380 aluminium cable contacts*

# PROLONGATEURS A COMPOSANTS

## IN-LINE JUNCTIONS FOR COMPONENTS



Taille / Size 20

Section 0,21 à 0,93 mm<sup>2</sup> - Gauges 18-20-22-24 AWG

Les prolongateurs à composants **Amphenol Air LB** sont constitués de 2 contacts femelles (S) insérés à l'intérieur d'un manchon en résine thermosettable et en élastomère de silicone fluoré. Ils bénéficient de la même technologie que les modules. Ils sont étanches et existent en plusieurs modèles équipés de composants (diode, fusible...)

Ils reçoivent des contacts mâles à sertir (P), conformes aux normes NF L53-105, NAS 1749 et EN 3155-016 (page 103).

**Amphenol Air LB** splices with integrated components consist of 2 female contacts (S) inserted in a thermosetting resin and fluorinated silicone elastomer sleeve. The technology used is the same as for modules. They are sealed and are available in several models with components (diode, fuse...).

They are suitable for crimp male contacts (P) which comply with NF L53-105, NAS 1749 et EN 3155-016 standards (page 103).

### PROLONGATEURS A DIODES INSEREES

### IN-LINE JUNCTIONS WITH INSERTED DIODES

Caractéristiques DIODE <i>DIODE data</i>			REFERENCE <i>PART NUMBER</i>	
Courant maximum à l'état passant <i>Maximum transient current</i>	$I_o$	Tension inversée VRM <i>Reverse voltage VRM</i>	DIODE	PROLONGATEUR diode insérée <i>SPLICE with inserted diode</i>
$I_o = 2 \text{ A}$ à $t_o 25^\circ$		VRM = 200 Volts	1 N 5551	001119 702 02
$I_o = 1 \text{ A}$ à $t_o 140^\circ\text{C}$		VRM = 600 Volts	1 N 5619	001119 703 02
			1 N 5207	001119 705 02
$I_o = 1 \text{ A}$ à $t_o 75^\circ\text{C}$		VRM = 1000 Volts	1 N 4007	001119 711 02
			1N5554	001119 731 02
$I_o = 1 \text{ A}$ à $t_o 75^\circ\text{C}$		VRM = 50 Volts	1 N 4001	001119 741 02
$I_o = 3 \text{ A}$ à $t_o 50^\circ\text{C}$		VRM = 400 Volts	BY 252	001119 746 02
$I_o = 5 \text{ A}$ à $t_o 60^\circ\text{C}$		VRM = 800 Volts	BY550	001119 751 02
$I_o = 1 \text{ A}$		VRM = 600 Volts	1N4005	001119 765 02
$I_o = 2 \text{ A}$		VRM = 1000 Volts	BYW56	001119 768 02
$I_o = 3 \text{ A}$		VRM = 1300 Volts	BY255	001119 779 02
$I_o = 8,4 \text{ A}$		VRM = 111 Volts	Transil 1,5 KE 130 CA	001119 788 02
$I_o = 8,4 \text{ A}$		VRM = 111 Volts	Transil 1,5 KE 180 CA	001119 790 02

Autres diodes, merci de nous consulter / For other diodes, please consult us \* Diodes fournies par le client / Diodes supplied by the customer.

**PROLONGATEURS A FUSIBLES INSERES****IN-LINE JUNCTIONS WITH INSERTED FUSES**

Caractéristique FUSIBLE <i>FUSE data</i>			REFERENCE <i>PART NUMBER</i>
Courant maximal à l'état passant $I_o$ <i>Maximum transient current <math>I_o</math></i>	Tension inversée VRM <i>Reverse voltage VRM</i>	FUSIBLE <i>FUSE</i>	PROLONGATEUR fusible inséré <i>IN-LINE JUNCTION with inserted fuse</i>
$I_o = 0,6 \text{ A}$	VRM = 125 Volts	Mini-Fuse DMP IN	001119 745 02
$I_o = 1 \text{ A}$	VRM = 125 Volts	PICOFUSE Serie 255	001119 801 02
$I_o = 2 \text{ A}$	VRM = 125 Volts	PICOFUSE Serie 255	001119 802 02
$I_o = 3 \text{ A}$	VRM = 125 Volts	Little Fuse temporisé	001119 810 02

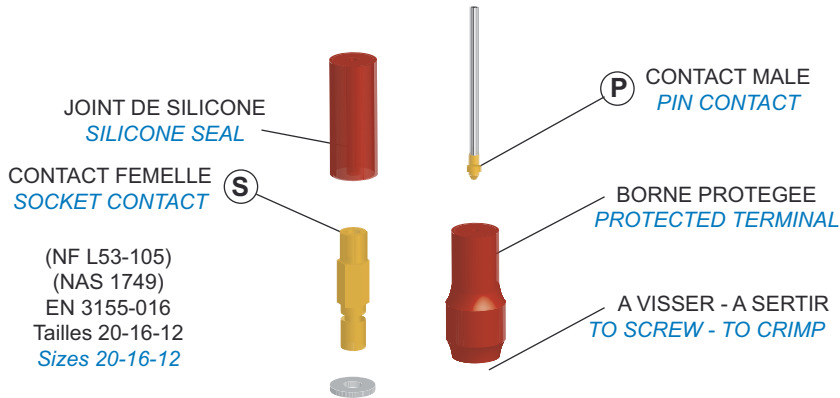
Autres fusibles, merci de nous consulter / *For other fuses, please consult us*

**PROLONGATEURS A RESISTANCES INSEREES****IN-LINE JUNCTIONS WITH INSERTED RESISTORS**

Caractéristique Résistance <i>Resistor data</i>	REFERENCE <i>PART NUMBER</i>	
	Résistance <i>Resistor</i>	PROLONGATEUR résistance insérée <i>SPLICE WITH inserted resistor</i>
620 $\Omega$ 0,5W $\pm 5\%$	SFR25	001119 732 02
39 K $\Omega$ 0,5 W $\pm 5\%$	rcmm 05 k	001119 754 02
100 K $\Omega$ 0,5 W $\pm 5\%$	rcmm 05 k2	001119 755 02
75 $\Omega$ 0,5 W $\pm 5\%$	rcmm 05 k2	001119 756 02
470 $\Omega$ 0,5 W $\pm 5\%$	rcmm 02	001119 762 02
510 $\Omega$ 1/2 W $\pm 2\%$	NK4	001119 763 02
2,2 K $\Omega$ 0,5 W	rcmm 02	001119 764 02
680 $\Omega$ 2,5W	w21	001119 769 02
10 K $\Omega$ 0,5W		001119 773 02
2,2 K $\Omega$ 0,25W $\pm 5\%$		001119 774 02
150 $\Omega$ 0,25 W $\pm 5\%$		001119 775 02
150 K $\Omega$ 0,25W $\pm 5\%$		001119 776 02
5.5 K $\Omega$ 0,25 W $\pm 0,5\%$	Sfernice NT4S	001119 777 02
100 K $\Omega$ 0,25 W $\pm 1 \%$	Sfernice NT4S	001119 778 02
1 K $\Omega$ 0,25 W 5%	VR25 série E12	001119 780 02
5,6 K $\Omega$ 0,5W $\pm 1\%$		001119 782 02*
1 K $\Omega$ 5 W		001119 784 02*
560 $\Omega$ 0,5 W $\pm 1\%$		001119 785 02
511 $\Omega$ 2W $\pm 5\%$	RLP2	001119 792 02
20 K $\Omega$ 0,25 W $\pm 1\%$	série MFR4	001119 812 02
10 K $\Omega$ $\pm 5\%$ R5	Vishay / BCcomponent serie PR02	001119 814 02
47 K $\Omega$ $\pm 5\%$ R5	Vishay / BCcomponent serie PR02	001119 815 02
1 M $\Omega$ $\pm 5\%$ R5	Vishay / BCcomponent serie PR01	001119 816 02

Autres résistances, merci de nous consulter / *For other resistors, please consult us*

# BORNES TERMINALS



(NF L53-105)  
(NAS 1749)  
EN 3155-016  
Tailles 20-16-12  
Sizes 20-16-12

Ces bornes à jonction individuelle sont constituées d'un contact femelle (S) protégé par un joint en élastomère de silicone amovible. Elles sont disponibles pour être vissées ou serties sur une platine, en une seule version de contact :

Contact femelle (S) pour contact mâle à sertir (P) conforme aux normes NF L53-105, NAS 1749 et EN 3155-016 (page 103).

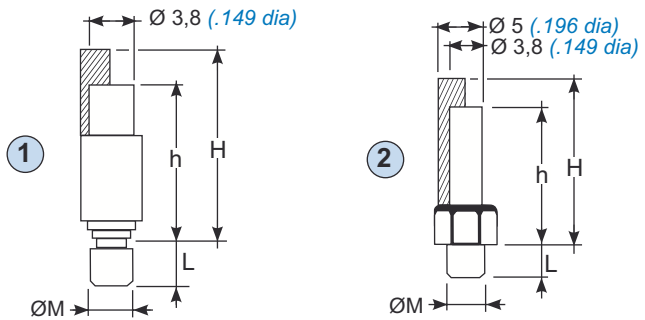
These individual junction terminals consist of one socket contact (S) protected by a removable silicone elastomer seal. They are available in screw or crimp type on a plate in only one contact version:

Socket contact (S) for crimp pin contact (P) complies with NF L53-105, NAS 1749 and EN 3155-016 standards (page 103).

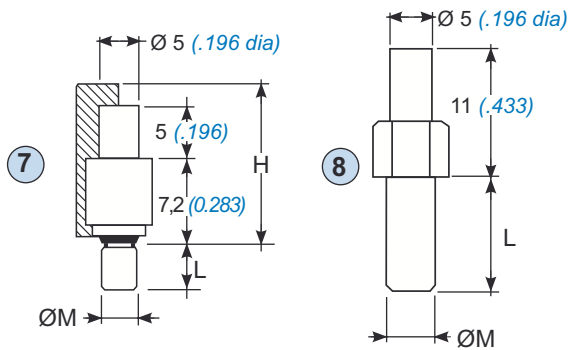
## BORNES A VISSER SCREW MOUNTING TERMINAL

Taille 20  
Size 20

\* Borne laiton nickelé  
Contact femelle cupro-béryllium  
\* Nickel plated brass terminal  
Cupro-beryllium female contact

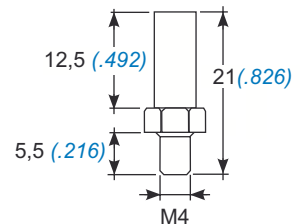


Rep. Ident.	Ø M	L		Sans joint Without seal	h		Avec joint With seal	H		Rondelle Washer	Joint Seal
		mm	inch		mm	inch		mm	inch		
1	M 3	4,5	.177	001120 203 02	12,5	.492	001120 209 02	16,5	.649		001100 281 81
2	0.1380-32 UNC	3	.118	001120 601 02	12	.472	001120 205 02	16	.630		001100 280 81
2	0.1640-32 UNC	10,3	.405	001120 603 02	12	.472	001120 223 02	16	.630	001120 610 02	001100 280 81
2	0.1640-32 UNC	3,43	.135	001120 604 02	12	.472	001120 215 02	16	.630	001120 610 02	001100 280 81
*2	0.1380-32 UNC	3	.118	001120 601 04	12	.472	001120 205 04	16	.630		001100 280 81
*2	0.1640-32 UNC	3,43	.135	001120 604 04	12	.472	001120 215 04	16	.630	001120 610 04	001100 280 81



Taille 16  
Size 16

Taille 12  
Size 12



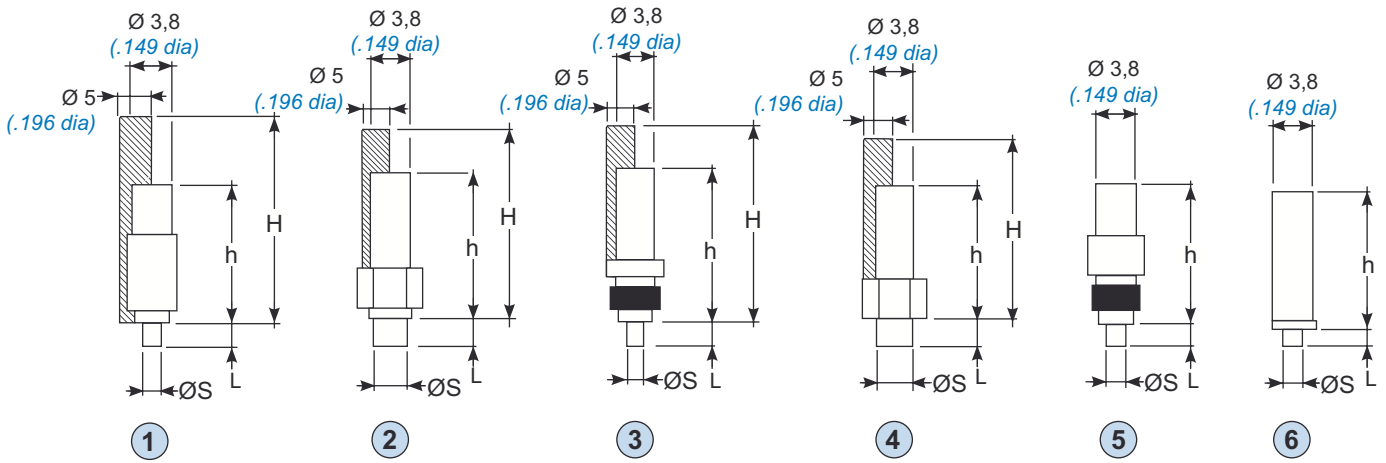
001120 402 02

Rep. Ident.	Ø M	L		Sans joint Without seal	h		Avec joint With seal	H		Rondelle Washer	Joint Seal
		mm	inch		mm	inch		mm	inch		
7	M 3	4,5	.177	001120 304 02	12,2	.480	001120 314 02	18,2	.716		001100 388 81
8	0.1640-32 UNC	10,6	.417	001120 305 02							

**BORNES A SERTIR**  
**CRIMP TERMINALS**

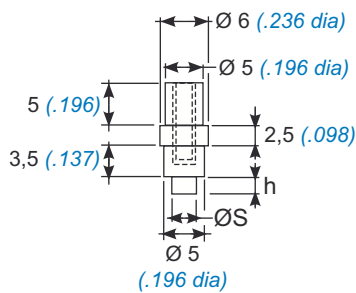
Taille 20  
Size 20

\* Borne laiton nickelé  
Contact femelle cupro-béryllium  
\* Nickel plated brass terminal  
Cupro-beryllium female contact



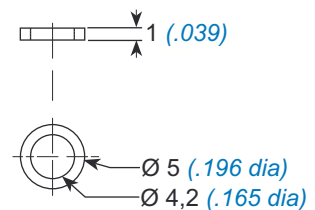
Rep. Ident.	Ø S	L		Sans joint Without seal	h		Avec joint With seal	H		Rondelle Washer	Joint Seal
		mm	inch		mm	inch		mm	inch		
1	1,5	2	.078	001120 201 02	12,5	.492	001120 217 02	18,5	.728		001100 279 81
2	3	2,53	.100	001120 606 02	13	.511	001120 226 02	17	.669	001120 610 02	001100 280 81
3	1,5	2	.078	001120 612 02	13,8	.543	001120 212 02	17,5	.688		001100 280 81
4	3	2,6	.102	001120 614 02	12	.472	001120 214 02	16	.630		001100 280 81
4	3	3	.118	001120 618 04	12	.472					
5	1,5	2	.078	001120 230 02	12,5	.492					
6	1,5	1,3	.051	001120 216 04	12,5	.492					

Taille 16  
Size 16



Ø S		h		Sans joint Without seal
mm	inch	mm	inch	
1,5	.059	2,0	.078	001120 321 02
2,0	.078	1,8	.070	001120 324 02
3,0	.118	2,0	.078	001120 325 02

Rondelle / Washer  
Dorée / Gold plated  
**001120 610 02**  
Nickelée / Nickel plated  
**001120 610 04**





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