

# Brake Lines



## Cupro Nickel Brake Lines

### WHY DO BRAKE LINES NOT LAST AS THEY ONCE DID?

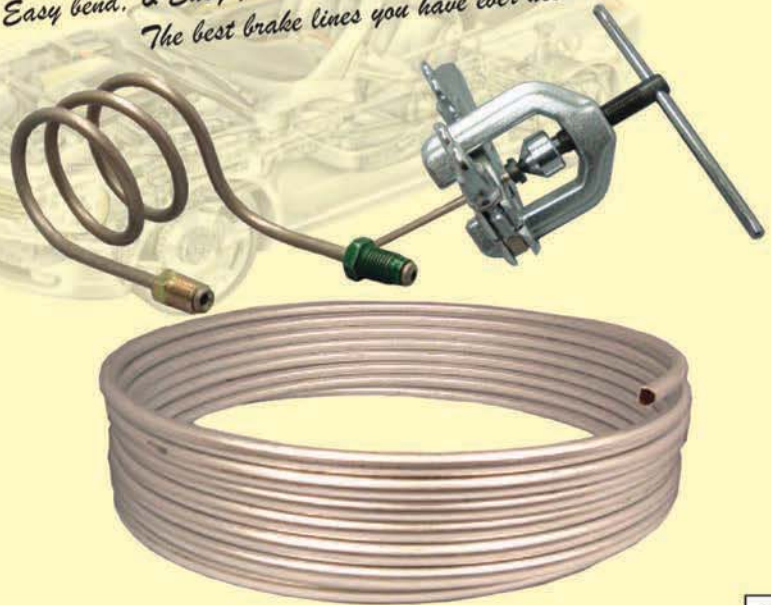
#### ANSWER:

Liquid Sodium chloride and rock salt used to de-ice winter roads break down and destroy steel tubing lines. Steel brake lines have had zinc, galfan, PVF (poly vinyl fluoride) and Nylon plating to protect them from the winter de-icing onslaught and still life expectancy for these steel tubing lines has fallen dramatically. When sand and road debris is added to the mix steel tubing lines don't stand a chance against the elements.

The answer is a totally different type of brake, fuel and transmission line made from materials that liquid calcium or rock salt solutions have no damaging affects on and can be offered with a lifetime guarantee. This product is CUPRO/NICKEL made of 88% copper, 10% nickel and 2% iron extruded from an ingot seamless, meeting SAE J1650 standard for brake lines on surface vehicles.

FMSI Automotive Hardware's CUPRO/NICKEL limited lifetime warranty against corrosion is for lines installed by a licensed technician and backed up by a work order showing the installation.

*Cupro Nickel Brake Lines*  
*Easy bend. & Easy Flare*  
*The best brake lines you have ever used...*



To put these materials in perspective, copper and brass artifacts found on the titanic 72 years after sinking in the northern Atlantic show no visible effects from salt water corrosion.



#### EASY BEND & FLARE BRAKE LINE COILS

CUPRO NICKEL	POLY VINYL FLUORIDE	PASSIVATED GREEN COAT	STANDARD ZINC	DESCRIPTION
CN3	PVF3	P3	C3	3/16" x 25' Brake Line Coil
CN3-50	PVF3-50	P3-50	C3-50	3/16" x 50' Brake Line Coil
CN3-100	PVF3-100	P3-100	C3-100	3/16" x 100' Brake Line Coil
CN4	PVF4	P4	C4	1/4" x 25' Brake Line Coil
CN4-50	PVF4-50	P4-50	C4-50	1/4" x 50' Brake Line Coil
CN4-100	PVF4-100	P4-100	C4-100	1/4" x 100' Brake Line Coil
CN5	PVF5	P5	C5	5/16" x 25' Brake Line Coil
CN6	PVF6	P6	C6	3/8" x 25' Brake Line Coil
-	-	-	C7	6mm x 25' Brake Line Coil

### EASY BEND & FLARE



CREATE CUSTOM BRAKE LINES LIKE THIS BY HAND!



(978) 745-7900  
 (978) 745-7901

J's Automotive Warehouse Inc.

# Brake Lines

## METRIC & IMPERIAL BUBBLE FLARE TUBE NUTS



3028 3040 3041 3042 3410 3411 3413 3414



3420 3426 3433 3447 3463 3470 3477 3490

PART #	TUBE SIZE	THREAD DIAMETER	THREADS PER INCH
3028	3/16"	10MM	1.0 EUROPEAN AND DOMESTIC (OLIVE)
3040	3/16"	11MM	1.5 DOMESTIC (ORANGE/ GREY)
3041	3/16"	12MM	1.0 DOMESTIC (BLUE)
3042	3/16"	13MM	1.5 DOMESTIC (GREEN)
3410	3/16"	3/8"	24 T.P.I US BRITISH THREAD (RED)
3411	3/16"	10MM	1.0 LONG TUBE NUT (YELLOW)
3413	1/4"	12MM	1.0 FORD AND IMPORTS (OLIVE)
3414	3/16"	10MM	1.0 VOLKSWAGEN AND AUDI (VIOLET)
3420	3/16"	10MM	1.0 FORD (GOLD)
3426	3/16"	12MM	1.25 (OLIVE)
3433	1/4"	12MM	1.25 (GOLD)
3447	1/4"	12MM	1.75 (YELLOW)
3463	3/16"	10MM	1.0 (GREY)
3470	3/16"	10MM	1.25 (SILVER)
3477	3/16"	11MM	1.0 (RED)
3490	1/4"	11MM	1.0 (RED) <b>NEW</b>

## OVERSIZE STEEL TUBE NUTS



3022 3023 3024 3025 3026 3439 3462

PART #	TUBE SIZE	THREAD DIAMETER	THREADS PER INCH
3022	3/16"	7/16"	24 T.P.I (RED)
3023	3/16"	1/2"	20 T.P.I (GREEN)
3024	3/16"	9/16"	18 T.P.I (OLIVE/GOLD)
3025	1/4"	9/16"	18 T.P.I (BLUE)
3026	1/4"	1/2"	20 T.P.I (GOLD)
3439	3/16"	1/2"	20 T.P.I (BLACK)
3462	1/4"	9/16"	18 BUBBLE FLARE (YELLOW)

## STANDARD STEEL TUBE NUT INVERT FLARE

PART #	TUBE SIZE	THREAD DIAMETER	THREADS PER INCH
3000	3/16"	3/8"	24 T.P.I
3003	1/4"	7/16"	24 T.P.I
3006	5/16"	1/2"	20 T.P.I
3015	3/8"	5/8"	18 T.P.I
3016	1/2"	3/4"	18 T.P.I
3415	1/4"	7/16" 9/16" HEX	24 T.P.I
3424	3/16"	3/8" 7/16" HEX	24 T.P.I
3441	3/16"	3/8" 9/16" HEX	24 T.P.I

## LONG STEEL TUBE NUTS

PART #	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
3001	3/16"	3/8"	24 T.P.I
3004	1/4"	7/16"	24 T.P.I
3442	3/8"	5/8"	18 T.P.I



## FEMALE TUBE NUTS

PART #	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
3428	3/16"	3/8"	24 T.P.I
3429	1/4"	7/16"	20 T.P.I
3430	5/16"	1/2"	20 T.P.I
3431	3/8"	5/8"	18 T.P.I
3432	1/2"	3/4"	18 T.P.I
3489	5/16"	1/2"	20 T.P.I STEEL



## METRIC 6MM BUBBLE FLARE TUBE NUTS



3421 3422 3423

PART #	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
3421	6MM	12MM	1.0 (OLIVE)
3422	6MM	12MM	1.5 (OLIVE)
3423	6MM	14MM	1.5 (BLACK)

## METRIC INVERT FLARE TUBE NUTS



3043 3411 3413 3417 3449

PART #	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
3043	3/16"	10MM	1.0 JAPANESE (BLUE)
3411	3/16"	10MM	1.0 JAPANESE (GOLD) 12MM HEX LONG
3413	1/4"	12MM	1.0 FORD AND IMPORTS (BLACK)
3417	3/16"	10MM	1.0 TOYOTA AND GM (BLUE) LONG
3449	3/16"	10MM	1.0 (YELLOW)

## Assortments



**Drain Plug Assortment**  
Covers 95% of vehicles on the road  
Part # ODP-A-1



**FUEL INJECTION CLAMP**  
COMPLETE KIT CONTAINS ALL 4 SIZES



**BRAKE & FUEL ASSORT**  
COMPLETE KIT  
PART # 0314