

## DONNEES TECHNIQUES

Vehicle Main Current	<b>for vehicles with 12V main current</b>
Rated Power [kW]	<b>1.4</b>
Number of Teeth	<b>9T</b>
Rotation Direction	<b>Clockwise rotation</b>
G/R Reducer	<b>With integrated G/R reducer</b>
Number of Thread Bores	<b>2</b>
Number of mounting bores	<b>3</b>
Plug Type ID	<b>SOL70</b>

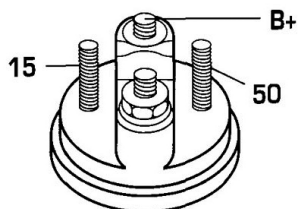
## PHOTOS



### BULLETIN TECHNIQUE TB-05

Ce démarreur n'utilise pas de bobinage en cuivre ou en aluminium, mais utilise des aimants ferreux permanents. Si vous traitez ce démarreur brutalement (chute ou coup de marteau sur le démarreur ou le solénoïde), les aimants se fissureront ou casseront. Ceci entraînant la destruction du démarreur.

This starter doesn't use field coils made from copper or aluminium, but uses ferrite permanent magnets. If you treat this starter roughly (e.g. drop or hit on the starter motor or solenoid with a hammer) the magnets will crack or break. Causing the starter to fail.



## DOCUMENTS


**BT-130 Refus des carcasses alternateurs/démarrateurs**

**APPLICATIONS**

<b>BMW</b>		
3 Series (82-94) Break/Touring (E30) - 316i	102 ch	09.1991 > 06.1994
3 Series (90-99) (E36) - 318is	140 ch	03.1993 > 09.1997
	140 ch	09.1995 > 02.1998
3 Series (90-99) (E36) - 320i	150 ch	09.1990 > 02.1998
3 Series (90-99) (E36) - 323i	170 ch	03.1995 > 02.1998
3 Series (90-99) (E36) - 325i	192 ch	09.1990 > 09.1995
3 Series (90-99) (E36) - 328i	193 ch	01.1995 > 02.1998
3 Series (90-99) Break/Touring (E36) - 316i	102 ch	01.1996 > 10.1999
3 Series (90-99) Break/Touring (E36) - 318i	116 ch	07.1995 > 10.1999
3 Series (90-99) Break/Touring (E36) - 320i	150 ch	01.1995 > 10.1999
3 Series (90-99) Break/Touring (E36) - 323i	170 ch	09.1995 > 10.1999
3 Series (90-99) Break/Touring (E36) - 328i	193 ch	01.1995 > 10.1999
3 Series (90-99) Cabriolet (E36) - 318i	115 ch	01.1994 > 04.1999
3 Series (90-99) Cabriolet (E36) - 320i	150 ch	12.1993 > 04.1999
3 Series (90-99) Cabriolet (E36) - 323i	170 ch	06.1995 > 04.1999
3 Series (90-99) Cabriolet (E36) - 325i	192 ch	03.1993 > 03.1995
3 Series (90-99) Cabriolet (E36) - 328i	193 ch	03.1995 > 04.1999
3 Series (90-99) Compact (E36) - 323ti	170 ch	08.1997 > 08.2000
3 Series (90-99) Compact (E36) - 316g	102 ch	12.1995 > 08.2000
3 Series (90-99) Compact (E36) - 316i	102 ch	03.1994 > 08.2000
	105 ch	12.1998 > 08.2000
3 Series (90-99) Compact (E36) - 318ti	140 ch	11.1994 > 08.1995
	140 ch	07.1995 > 08.2000
3 Series (90-99) Coupe (E36) - 316i	102 ch	09.1993 > 04.1999
3 Series (90-99) Coupe (E36) - 318is	140 ch	03.1992 > 10.1995
	140 ch	09.1995 > 04.1999
3 Series (90-99) Coupe (E36) - 320i	150 ch	03.1992 > 04.1999
3 Series (90-99) Coupe (E36) - 323i	170 ch	03.1995 > 04.1999
3 Series (90-99) Coupe (E36) - 325i	192 ch	03.1992 > 04.1999
3 Series (90-99) Coupe (E36) - 328i	193 ch	01.1995 > 04.1999
3 Series (98-06) (E46) - 316i	105 ch	09.1998 > 02.2005
	105 ch	04.2000 > 02.2005
3 Series (98-06) (E46) - 318i	118 ch	02.1998 > 09.2001
3 Series (98-06) (E46) - 320i	150 ch	03.1998 > 09.2000
	170 ch	09.2000 > 02.2005
3 Series (98-06) (E46) - 323i	170 ch	03.1998 > 09.2000
3 Series (98-06) (E46) - 325i	192 ch	09.2000 > 02.2005
3 Series (98-06) (E46) - 325xi	192 ch	09.2000 > 02.2005
3 Series (98-06) (E46) - 328i	193 ch	02.1998 > 06.2000
3 Series (98-06) (E46) - 330i	231 ch	06.2000 > 02.2005
3 Series (98-06) (E46) - 330xi	231 ch	06.2000 > 02.2005
3 Series (98-06) Break/Touring (E46) - 318i	118 ch	10.1999 > 09.2001
3 Series (98-06) Break/Touring (E46) - 320i	150 ch	10.1999 > 09.2000
	170 ch	09.2000 > 02.2005
3 Series (98-06) Break/Touring (E46) - 325i	192 ch	09.2000 > 02.2005
3 Series (98-06) Break/Touring (E46) - 325xi	192 ch	09.2000 > 02.2005
3 Series (98-06) Break/Touring (E46) - 328i	193 ch	10.1999 > 06.2000
3 Series (98-06) Break/Touring (E46) - 330i	231 ch	06.2000 > 02.2005

<b>BMW</b>		
3 Series (98-06) Break/Touring (E46) - 330xi	231 ch	06.2000 > 02.2005
3 Series (98-06) Cabriolet (E46) - 320Ci	170 ch	09.2000 >
3 Series (98-06) Cabriolet (E46) - 323Ci	170 ch	04.2000 > 09.2000
3 Series (98-06) Cabriolet (E46) - 325Ci	192 ch	09.2000 >
3 Series (98-06) Cabriolet (E46) - 330Ci	231 ch	06.2000 >
3 Series (98-06) Compact (E46) - 325ti	192 ch	06.2001 > 02.2005
3 Series (98-06) Coupe (E46) - 316Ci	105 ch	04.2000 >
3 Series (98-06) Coupe (E46) - 318Ci	118 ch	11.1999 > 09.2001
3 Series (98-06) Coupe (E46) - 320Ci	150 ch	08.1999 > 09.2000
	170 ch	09.2000 >
3 Series (98-06) Coupe (E46) - 323Ci	170 ch	04.1999 > 09.2000
3 Series (98-06) Coupe (E46) - 325Ci	192 ch	09.2000 >
3 Series (98-06) Coupe (E46) - 328Ci	193 ch	04.1999 > 06.2000
3 Series (98-06) Coupe (E46) - 330Ci	231 ch	06.2000 >
5 Series (88-96) (E34) - 518i	113 ch	08.1989 > 09.1995
	115 ch	08.1989 > 09.1995
5 Series (88-96) (E34) - 520i	129 ch	01.1988 > 08.1991
5 Series (88-96) (E34) - 520i 24V	150 ch	09.1989 > 09.1995
5 Series (88-96) (E34) - 525i 24V	192 ch	09.1989 > 09.1995
5 Series (88-96) (E34) - 525iX 24V	192 ch	10.1991 > 09.1995
5 Series (88-96) Break/Touring (E34) - 518g	115 ch	11.1995 > 06.1996
5 Series (88-96) Break/Touring (E34) - 518i	113 ch	03.1993 > 09.1994
	115 ch	09.1994 > 01.1997
5 Series (88-96) Break/Touring (E34) - 520i	150 ch	11.1991 > 01.1997
5 Series (88-96) Break/Touring (E34) - 525i	192 ch	11.1991 > 01.1997
5 Series (88-96) Break/Touring (E34) - 525iX	192 ch	02.1992 > 01.1997
5 Series (95-03) (E39) - 520i	136 ch	04.1999 > 06.2003
	150 ch	01.1996 > 09.2000
	170 ch	09.2000 > 06.2003
5 Series (95-03) (E39) - 523i	170 ch	11.1995 > 09.2000
5 Series (95-03) (E39) - 525i	192 ch	09.2000 > 06.2003
5 Series (95-03) (E39) - 528i	193 ch	11.1995 > 09.2000
5 Series (95-03) (E39) - 530i	231 ch	09.2000 > 06.2003
5 Series (95-03) Break/Touring (E39) - 520i	136 ch	04.1999 > 05.2004
	150 ch	01.1997 > 09.2000
	170 ch	09.2000 > 05.2004
5 Series (95-03) Break/Touring (E39) - 523i	170 ch	01.1997 > 09.2000
5 Series (95-03) Break/Touring (E39) - 525i	192 ch	09.2000 > 05.2004
5 Series (95-03) Break/Touring (E39) - 528i	193 ch	01.1997 > 09.2000
5 Series (95-03) Break/Touring (E39) - 530i	231 ch	09.2000 > 05.2004
5 Series (03-10) (E60) - 520i	170 ch	07.2003 >
5 Series (03-10) (E60) - 525i	192 ch	09.2003 >
5 Series (03-10) (E60) - 530i	231 ch	07.2003 >
5 Series (03-10) Break/Touring (E61) - 520i	170 ch	06.2004 >
5 Series (03-10) Break/Touring (E61) - 525i	192 ch	06.2004 >
5 Series (03-10) Break/Touring (E61) - 530i	231 ch	06.2004 >
7 Series (94-01) (E38) - 728i,iL	193 ch	08.1995 > 11.2001
7 Series (02-08) (E65, E66) - 730i,Li	231 ch	03.2003 >
X3 (03-10) (E83) - 2.5i	192 ch	01.2004 >
X3 (03-10) (E83) - 3.0i	231 ch	01.2004 >

<b>BMW</b>		
X5 (99-06) (E53) - 3.0i	222 ch	05.2000 >
	231 ch	05.2000 >
Z3 (E36/4) - 1.8	116 ch	10.1995 > 10.1998
Z3 (E36/4) - 1.9	116 ch	01.1999 > 01.2003
	118 ch	07.1998 > 01.2003
	140 ch	10.1995 > 03.1999
Z3 (E36/4) - 2.0	150 ch	04.1999 > 01.2003
Z3 (E36/4) - 2.2	170 ch	08.2000 > 01.2003
Z3 (E36/4) - 2.8	192 ch	04.1997 > 06.2000
Z3 (E36/4) - 3.0	231 ch	06.2000 > 01.2003
Z3 Coupe (E36/8) - 2.8	192 ch	07.1997 > 06.2000
Z3 Coupe (E36/8) - 3.0	231 ch	06.2000 > 06.2003
Z4 (02-09) (E85) - 2.2i	170 ch	10.2003 >
Z4 (02-09) (E85) - 2.5i	192 ch	02.2003 >
Z4 (02-09) (E85) - 3.0i	231 ch	02.2003 >

 Avant montage, comparez la pièce reçue à celle d'origine afin de vérifier que la bonne pièce a été choisie et peut être montée sur le véhicule. Le non-respect de cette consigne ou des instructions de montage annule la garantie.