

	<h1>Hirth-Information</h1>	Mitteilung-Nummer: <b>0046/1N</b>
	Inhalt: <b>Survey of spark plugs</b>	Datum: 28.01.2005

The tabulation as mentioned below quotes the respective types of spark plugs from different manufacturers which are suitable for Hirth engines.

If spark plugs from other manufacturers are used it is possible to find them out by using the conversion tables available from the manufacturers.

Engine	F 23	F 23 dual ignition	2702	2703	2703 dual ignition
<b>Beru</b>	14Z-3AU	14Z-3AU	14Z-3AU	14Z-3AU	14Z-3CU
<b>Bosch</b>	W 3 AC	W 3 AC	W 3 AC	W 3 AC	W 3 CC
<b>Champion</b>	L 78 C	L 78 C	L 78 C	L 78 C	N 3 C
<b>Hirth</b>	023.26	023.29	023.26	023.26	023.24
<b>Power plug</b>	023.32	023.32	023.32	023.32	023.33
<b>NGK</b>	BR 8 HS	B 8 HS	BR 8 HS	BR 8 HS	BR 8 ES
<b>Nippon Denso</b>	W 24 FSR-U	W 24 FSR-U	W 24 FSR-U	W 24 FSR-U	W 24 ESR-U

Engine	2704	2704 dual ignition	2706	2706 dual ignition	
<b>Beru</b>	14Z-3AU	-	14Z-3AU	-	
<b>Bosch</b>	W 3 AC	-	W 3 AC	-	
<b>Champion</b>	L 78 C	-	L 78 C	-	
<b>Hirth</b>	023.29	023.28	023.29	023.28	
<b>Power plug</b>	023.32	023.35	023.32	023.35	
<b>NGK</b>	BR 8 HS	CR 8 HSA	BR 8 HS	CR 8 HSA	
<b>Nippon Denso</b>	W 24 FSR-U	U 24 FSR-U	W 24 FSR-U	U 24 FSR-U	

Engine	F 30	F 30 dual ignition	F33	F 33 dual ignition	
<b>Beru</b>	14Z-3AU	-	14Z-3AU	-	
<b>Bosch</b>	W 3 AC	-	W 3 AC	-	
<b>Champion</b>	L 78 C	-	L 78 C	-	
<b>Hirth</b>	023.22	023.26	023.22	023.26	
<b>Power plug</b>	023.32	023.35	023.32	023.35	
<b>NGK</b>	B 8 HS	C 8 HSA	B 8 HS	C 8 HSA	
<b>Nippon Denso</b>	W 24 FS-U	U 24 FS-U	W 24 FS-U	U 24 FS-U	

Motor	3202	3202 dual ignition	3203	3203 dual ignition	
<b>Beru</b>	14Z-3AU	-	14Z-3AU	-	
<b>Bosch</b>	W 3 AC	-	W 3 AC	-	
<b>Champion</b>	L 78 C	-	L 78 C	-	
<b>Hirth</b>	023.29	023.28	023.29	023.28	
<b>Power plug</b>	023.32	023.35	023.32	023.35	
<b>NGK</b>	BR 8 HS	CR 8 HSA	BR 8 HS	CR 8 HSA	
<b>Nippon Denso</b>	W 24 FSR-U	U 24 FSR-U	W 24 FSR-U	U 24 FSR-U	

  

Motor	3503	3503 dual ignition	3701	3701 dual ignition	
<b>Beru</b>	-	-	-	-	
<b>Bosch</b>	-	-	-	-	
<b>Champion</b>	-	-	-	-	
<b>Hirth</b>	023.29	023.29	023.29	023.29	
<b>Power plug</b>	023.32	023.32	023.32	023.32	
<b>NGK</b>	-	-	-	-	
<b>Nippon Denso</b>	-	-	-	-	

- For PVL-ignition-systems use only spark plugs and spark plug connectors with 5 kOhm compensating resistance
- Spark plug gap generally 0,8 mm, exception engine F30 (spark plug gap 0,5-0,6mm)
- Never remove the compression ring of the spark plug, even not if you use a cylinder head temperature probe
- Spark plugs generally seize up only with torque wrench, the following torque values are guilty:
 

M10	10-11 Nm	7,2-8 lbs.-ft.
M14	24 Nm	17,5 lbs.-ft.
- Spark plug thread must be mounted with high-temperature paste (copper-paste)
- SAE-junction must be mounted with nut-lock expedient
- Never clean spark plugs with brush or hard subjects

**Note:** The use of spark plugs not coming from Göbler Hirthmotoren will lead to lapse of any claim for warranty.

If there are any questions in relation to this or other items concerning Göbler Hirthmotoren please do not hesitate to contact us accordingly.

Phone international: 0049 7144 / 6074

Fax international: 0049 7144 / 5415