# MEDIEVAL BROOCHES FROM THE DUTCH PROVINCE OF FRIESLAND (FRISIA): A REGIONAL PERSPECTIVE ON THE WIJNALDUM BROOCHES. PART I: SMALL EQUAL-ARMED BROOCHES

#### J.M. BOS

University of Groningen, Groningen Institute of Archaeology, Groningen, the Netherlands

ABSTRACT: The first part of the catalogue of medieval brooches from Friesland deals with the equal-armed brooches (*cf.* Bos, infra). It describes 174 specimens.

KEYWORDS: the Netherlands, Friesland, Wijnaldum, small equal-armed brooches, Middle Ages, catalogue, morphologhy, demography, metal detection.

#### 1. INTRODUCTION

The general introduction and background to this series will be found in Bos, this volume. It puts the inventory into context, explains its limited scope and the reason why mostly prototypes are depicted. Also, the many contributors are listed.

The small equal-armed brooches are so named to distinguish them from the (earlier and larger) equal-armed brooches with a butterfly shape. The preferred Dutch name is *gelijkarmige fibulae*, but the name *evenzijdige fibulae* has also been used. The first systematic paper on this brooch type in Western Europe dates only from 1972 (Hübener, 1972); a more recent study of the brooches from Northern France and Belgium has not been published (Van Bellingen, 1988; Van Bellingen, 1989). New proposals for their dating were put forward by Wamers in *Hoop's Reallexikon* (Wamers, 1994; *cf.* Müller & Steuer, 2000: pp. 178–179). By far the most extensive publication on Dutch material deals with the brooches found on the beach at Domburg (prov. Zeeland) (Capelle, n.d.).

The most striking points are the uncertainties and differences in dating, and the strongly regional character of the distribution of the various types.

When we compare the Frisian material with the studies by Hübener (Western Europe), Van Bellingen (Belgium and Northern France) and Capelle (Domburg), the regional differentation becomes particularly apparent. A Dutch archaeologist looking for familiar types among Hübener's, will be almost exclusively drawn to Hübener's Dutch examples, mostly those from Domburg. There are plenty of discrepancies between the Belgian/French range and the Domburg assemblage, while they both show marked differences from the Frisian equal-armed brooches, presented in the present study. These differences are

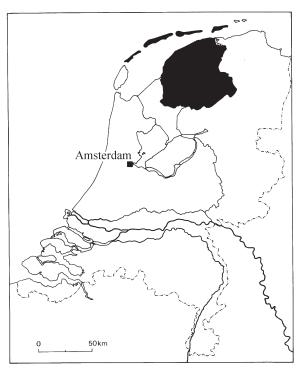


Fig. 1. Friesland (drawing J.H. Zwier).

far less apparent among the Carolingian disc brooches (Bos, forthcoming), a discrepancy difficult to explain. One answer might be found in a study of the wider distribution of these two main types: whereas both occur in the German Rhineland, the distribution of the disc brooches mainly extends to Northern Germany, and that of the small equal-armed brooches to the west (Northern France and Belgium). Finds of Carolingian equal-armed brooches in England and Scandinavia are quite rare. However, it turns out that the earlier forms of group 1.3 (see below) are in Denmark regarded as "typically Danish" (pers. comm. K. Høilund Nielsen,

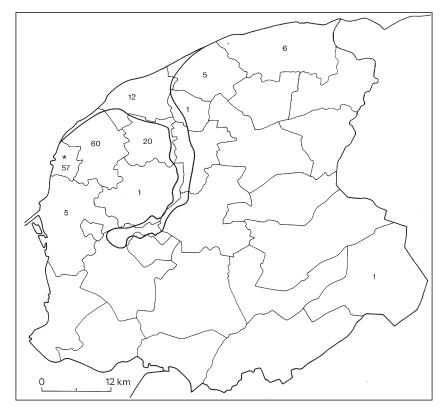


Fig. 2. All small equal-armed brooches (drawing J.H. Zwier).

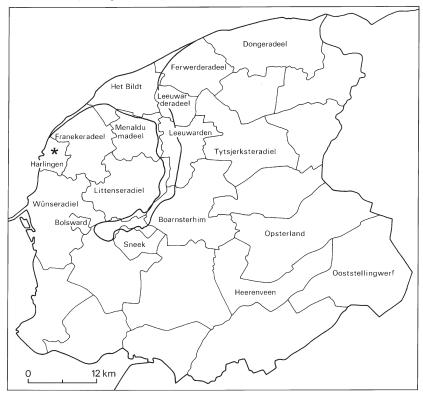


Fig. 3. The relevant municipalities in mainland Friesland, where early medieval brooches were found. Wijnaldum is indicated by an asterisk (drawing J.H. Zwier).

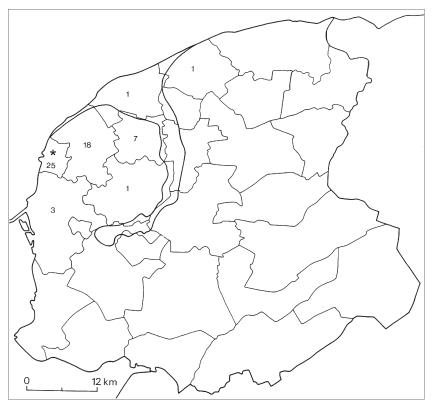


Fig. 4. Distribution of the bowtie-shaped brooch (type 1.8.1.2 in this catalogue). The finds that could not be attributed to a municipality are omitted from the map (drawing J.H. Zwier).

Aarhus), whereas the original draft of this paper described them as "typically Frisian".

The strong regionality of the equal-armed brooches is best exemplified by the distribution of the bowtie-shaped brooch (type 1.8.1.2 in this catalogue) mentioned in the General Introduction to this serial catalogue of Frisian brooches (Bos, this volume): this type is represented by almost 60 Frisian finds, but is not found either in the Belgian/French set or in the Domburg collection.

Of the 174 small equal-armed brooches presented here, 11 were found during the excavation of Tjitsma *terp*, Wijnaldum. Westergo is represented by 158 finds; Oostergo by 12 finds; whereas two examples were found in transported *terp* soil (not on the map); 1 comes from the south-eastern part of the province; and one from an unrecorded Frisian site (fig. 2). Within Westergo, the four northern municipalities of Het Bildt, Franekeradeel, Harlingen (including Wijnaldum) and Menaldumadeel (fig. 3) account for at least 149 finds (the general provenance 'northwestern Friesland' was not counted); it seems impossible not to look at these numbers in a demographic light. Population density in northern Westergo was by

far the highest of Friesland. However, this may not be true for all of its *terpen*; an 8<sup>th</sup> century population decrease, for instance, is suggested for the Dongjum *terpen* by type 1.8.1.2.

Within the province of Friesland there were further regional differences. Whereas the ratio Oostergo: Westergo is 12:159 for the equal-armed brooches, this ratio is 126:872 for the disc brooches (Bos, forthcoming). However, we cannot yet draw conclusions about availability or popularity, as there may well be external factors influencing the ratio. The amateurs searching in Oostergo are often not the same as those who work in Westergo; there may well be discrepancies in knowledge between these groups. Some Oostergo detectorists may not have recognized equal-armed brooches for what they are.

The equal-armed brooch from Wijnaldum with kidney-shaped plates (cat. no. 1) suggests that at least some of the early types were derived from small-long brooches (Bos *et al.*, in prep.), in this case from the Domburg type (Botman, 1994). The Domburg type of small-long brooch is currently being dated in the late 6<sup>th</sup> and 7<sup>th</sup> centuries; the excavated equal-armed

brooch can be dated to the 6th.

The group with a heavy bow (1.3) seems to occur in Friesland from the 6th century onwards, as is attested by the examples excavated in the cemetery of Oosterbeintum (Knol, 1993: p. 70). A find from Tjitsma (cat.no. 12) can be dated between AD 550 and 650. In general, the impression is that the earlier brooches tend to be sturdier than later ones. The context of the later Frisian material does not allow a closer dating than that given to these types in general, viz. 8th-10th century (e.g. Wamers, 1994: p. 588), some slighter types still being fashionable in the 11th century. To all appearances, the 9th century produced the greatest number of small equal-armed brooches. In the catalogue, the indication 'early' refers to types from around the 7th century; if no date is given a general date around the 9th century must be assumed. Although many Frisian archaeologists admit that we tend to forget there was an 8th century, attributing finds either to the 6<sup>th</sup>/7<sup>th</sup> century or the 9th/10th century, it is agreed that an early and a later group can be distinguished.

As an example with a casting jet shows (cat. no. 173), at least some of the Frisian material was locally produced. Contrary to common regional opinion, however, the ten silver equal-armed brooches are not necessarily semimanufactures; the hinge attachment and catchplate are lacking, but this is due to the fact that these were made from a different metal and the soldering will not have survived.

Of the 53 types in the catalogue, some of the types are well represented; 36 types, on the other hand, are represented by one find only, and 13 by two to five finds. The temptation to propose Frisian production on the basis of the present inventory is obvious; the almost 60 finds of the bow-tie brooch (type 1.8.1.2) suggest that this type was popular in Friesland (fig. 4), but nothing more can be said until other regions have been similarly investigated.

There are no striking discrepancies between the Wijnaldum finds and the other material from Friesland.

As announced in the General Introduction, a morphologically based typology was adopted, starting from the Frisian material (see figs 5–8). Unless stated otherwise, the brooches are made of bronze or some other copper alloy, with an iron pin.

#### 2. CONTENTS OF THE CATALOGUE

## 1.1. Type with kidney-shaped terminals

# 1.2. Type with beaks

## 1.3. Group with heavy bows

- 1.3.1. Type with ribbed terminals
- 1.3.2. Subgroup of slighter types
  - 1.3.2.1. Undecorated type
  - 1.3.2.2. Fairly straight type with grooves
  - 1.3.2.3. As above, but with markedly broadened bow
  - 1.3.2.4. Narrow type
  - 1.3.2.5. All-over ornamented type

# 1.4. Hollow type with sharply curved bow

# 1.5. Group with (partly) ribbed bows

- 1.5.1. Type with two ribs centrally across the bow
- 1.5.2. Subgroup with cat's paw terminals
  - 1.5.2.1. Type with cat's paws and a low bow
  - 1.5.2.2. Type with cat's paws and a high bow
- 1.5.3. Unique form
- 1.5.4. Unique form

## 1.6. Group with circular elements

- 1.6.1. Subgroup of rostrums
  - 1.6.1.1. Rostrum type with crosses
  - 1.6.1.2. Rostrum type with concentric circles
- 1.6.2. Subgroup with round or roundish terminals and a low bow
  - 1.6.2.1. Type with crosses
  - 1.6.2.2. Type with 'rouletted' decoration
  - 1.6.2.3. Type with 'daisies'
- 1.6.3. Subgroup with circular design only on the
  - 1.6.3.1. Type with a cross within the circle
  - 1.6.3.2. Type with 'four chairs around a table'
  - 1.6.3.3. Type with cross and dots
- 1.6.4. Type unknown
- 1.6.5. Miscellaneous
  - 1.6.5.1. Type with arched cat's back
  - 1.6.5.2. Type with inset stones

# 1.7. Rectangular type

## 1.8. Group of paddle-shaped brooches

- 1.8.1. Subgroup with square-ended terminals
  - 1.8.1.1. Type with undecorated terminals
  - 1.8.1.2. 'Bow tie' type
  - 1.8.1.3. Type with three circle-and-dots
  - 1.8.1.4. Reconstructed type with X's
  - 1.8.1.5. Type with cabled decoration
  - 1.8.1.6. Manacled type
- 1.8.2. Subgroup with forked terminals
  - 1.8.2.1. Undecorated type
  - 1.8.2.2. Type with grooves on the terminals
  - 1.8.2.3. Manacled type
- 1.8.3. Subgroup with four-lobed terminals
  - 1.8.3.1. Type with four dimples
  - 1.8.3.2. Four-leaf clover type
- 1.8.4. Miscellaneous subgroup
  - 1.8.4.1. Type with 'fleurs-de-lis'

- 1.8.4.2. Type with inverted triangles
- 1.8.4.3. Type 'tentative reconstruction'
- 1.8.4.4. Type with rectangular terminals with crosses
- 1.8.4.5. Type with ogival terminals

#### 1.9. Miscellaneous bow-tie forms

- 1.9.1. Subgroup with broadened bow
  - 1.9.1.1. Type with similar decoration on bow and terminals
  - 1.9.1.2. Type with simple bow
  - 1.9.1.3. As above, but manacled
  - 1.9.1.4. Type with dots on bow
  - 1.9.1.5. Manacled type with moulded bow
- 1.9.2. Subgroup with thickened bows
  - 1.9.2.1. Type with flat-topped bow
  - 1.9.2.2. Type with humped bow and two grooves on terminals
  - 1.9.2.3. Type with humped bow and three-fingered terminals

# 1.10. Miscellaneous group

- 1.10.1. Unidentifiable type
- 1.10.2. Unique type
- 1.10.3. Enamelled type

#### 3. CATALOGUE

The system of the catalogue is explained in the General Introduction to this series of publications on Frisian brooches (Bos, this volume). Summarizing, each brooch is described with its catalogue number, findspot and municipality, precise findspot if known, material (if not bronze or another copper alloy), length, provenance, publication if any, and comments. First, under the heading 'W'91-'93', the finds from the Wijnaldum excavation are presented, then the other finds from the Wijnaldum terpen, followed by the other finds from Westergo (alphabetically sorted per municipality), by the finds from Oostergo, and lastly, under the heading 'Friesland' the finds from unrecorded findspots in the province. The abbreviation 'FM' stands for 'Fries Museum' at Leeuwarden. WP (werkput) refers to a trench in the excavation of Wijnaldum-Tjitsma, W to Wijnaldum-Tjitsma.

## 1.1. Type with kidney-shaped terminals

Early type, obviously related to the small-long brooches of the so-called "Domburg type" (Bos *et al.*, in prep.). Botman (1994: p. 38) knows no parallels. Double hinge holder. The excavation provides a deposition date between AD 500 and 600.

W'91-'93

# 1. WP XXXVIII, level 1

1. 40 mm

Coll. W'93-10789

#### 1.2. *Type with beaks*

Early type with elongated hinge holder. Two circleand-dots on each of the terminals, which are provided with a 'beak'.

Westergo

# 2. Minnertsga (Het Bildt)

5 G 25

1. 45 mm

Coll. P. van Dijk

# 1.3. Group with heavy bows

Representatives of this group are reckoned among the earliest Frisian equal-armed brooches. The oldest ones date from the 6<sup>th</sup> century; examples were found in the cemetery at Oosterbeintum (Knol *et al.*, 1995/6). The Tjitsma finds can be dated between AD 550 and 650.

#### 1.3.1. *Type with ribbed terminals*

This type shows a sharp bend between the bow and the terminals. The terminals are semicircular in section and strongly ribbed. A find from the cemetery of Oosterbeintum, was dated between AD 625 and 750 (Knol *et al.*, 1995/6). Sturdy type.

WIJNALDUM (HARLINGEN)

## 3.5 G 72

The base of the bow is also ribbed l. 44 mm Coll. Zijlstra Zijlstra, 1990: No. 11c

Oostergo

## **4. Oosterbeintum** (Ferwerderadeel)

Excavated cemetery
1. 40 mm
Coll. temp. BAI, find no. 342-1
Knol *et al.*, 1995/6

#### **5. Jelsum** (Leeuwarderadeel)

Faceted bow 1. 43 mm Coll. Halff

## 1.3.2. Subgroup of slighter types

Within this subgroup there seems to be a development from plain, straight brooches towards somewhat more baroque types. Most variation, however, is to be found in the applied grooves.

## 1.3.2.1. *Undecorated type*

The bow is semicircular in section. No decoration. No strongly defined transition from bow to terminals.

WIJNALDUM (HARLINGEN)

#### 6.5 G 71

1. 35 mm

Coll. Zijlstra (FM), 41 Zijlstra, 1990: No. 11a

OTHER FINDS FROM WESTERGO

## 7. **Dongjum** (Franekeradeel)

5 G 65

Identification uncertain

Fragment

Coll. RAAP FB 5 G 65 AKM 2, No. 18

# **8. Dongjum** (Franekeradeel)

5 G 65

1. 33 mm

Coll. P. van Dijk

# 9. Ried (Franekeradeel)

5 G 51 W

No decoration?

1. 30 mm

Coll. RAAP FB 5 G 51 W AKM 1, No. 1

#### **10. Berlikum** (Menaldumadeel)

5 H 7

1. 34.5 mm

Coll. P. van Dijk

#### 1.3.2.2. Fairly straight type with grooves

The terminals tend to taper; as can be seen in the Wijnaldum finds, straight examples also occur. The

decoration consists of bundles of grooves across the lower parts of the bow and on the terminals; sometimes we also find two grooves lengthways along the bow. No. 11 yielded no additional dating evidence; No. 12 is reliably dated between AD 550 en 650.

Northern Westergo is quite prominently represented. For remarks on the population development on the Dongjum *terpen*, see the introduction to type 1.8.1.2.

W'91-'93

#### 11. WP XVII, level 1

No grooves lengthways 1. 31 mm Coll. W'91-3075 Besteman *et al.*, 1992: p. 63

#### 12. WP III, level 4

1. 33 mm

Coll. W'91-4624

Besteman et al., 1992: p. 63

WIJNALDUM (HARLINGEN)

## 13.5 G 71

No grooves lengthways 1. 30 mm Coll. Zijlstra (FM), 247 Zijlstra, 1991: No. 64

#### 14.

1. min. 30.5 mm Corroded Coll. Zijlstra (FM)

## 15. 5 G 71 east

Somewhat broadened bow 1. 36 mm Coll. RAAP FB 5 G 71 B AKM 3, No. 1

#### 16. Corroded

Fragment

Coll. RAAP FB 5 G 71 A AKM 1, No. 1

# 17.

1. 31 mm

Coll. G. van Dijk

#### 18.

1. 31.5 mm

No grooves lengthways

Coll. G. van Dijk

#### 19.

1. 30.5 mm

No grooves lengthways Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

## **20. Dongjum** (Franekeradeel)

5 G 64

No grooves lengthways

1. 30 mm

Coll. Koning

# **21. Dongjum** (Franekeradeel)

No grooves lengthways

1. at least 30 mm

Coll. Boonstra, 83

## **22. Dongjum** (Franekeradeel)

5 G 65

Variation; ribbed terminals, with the ribs continu-

ing on the hinge holder;

groove across the middle of the bow

1. 29 mm

Coll. P. van Dijk

# **23. Dongjum** (Franekeradeel)

Corroded

1. at least 30 mm

Coll. Boonstra

# **24. Dongjum** (Franekeradeel)

5 G 58

1. 35.5 mm

Coll. RAAP FB 5 G 58 AKM 3, No. 1

## **25. Dongjum** (Franekeradeel)

165.17/580.15

1. c. 31 mm

Coll. Okel

# **26. Dongjum** (Franekeradeel)

1. c. 34 mm

Coll. Boonstra

## **27. Dongjum** (Franekeradeel)

No grooves lengthways

1. 35 mm

Coll. Smit

## **28. Firdgum** (Franekeradeel)

No grooves lengthways

1. 35 mm

Coll. Leistra

#### **29. Peins** (Franekeradeel)

169.90/580.50

No grooves lengthways; narrow and straight

1. 37.5 mm

Coll. FM 1989-III-6-1

#### **30. Ried** (Franekeradeel)

169.08/582.25

1. 33 mm

Coll. Sloots, 0004

## **31. Midlum** (Harlingen)

No grooves lengthways

1. 31.5 mm

Coll. Halff

# 32. Berlikum (Menaldumadeel)

1. 31 mm

Coll. Zijlstra (FM), 652

# **33. Berlikum** (Menaldumadeel)

1. 33 mm

Coll. Zijlstra (FM), 307

## **34. Slappeterp** (Menaldumadeel)

No grooves across the bow

1. c. 33 mm

Coll. Zijlstra (FM)

## **35. Slappeterp** (Menaldumadeel)

Corroded; incomplete

1. c. 32 mm

Coll. G. van Dijk

# **36. Pingjum** (Wûnseradiel)

1. 34 mm

Coll. Harmsma

Oostergo

## **37. Oosterbeintum** (Ferwerderadeel)

Cemetery excavation

1. 36 mm

Coll. temp. BAI, find nr. 501-2

Knol et al., 1995/6.

#### 1.3.2.3. *As above, but with markedly broadened bow*

The terminals taper somewhat.

Westergo

# 38. Boer (Franekeradeel)

1. 33 mm

Coll. Hasselt, 9296

## **39. Slappeterp** (Menaldumadeel)

1. c. 42 mm

Coll. Zijlstra (FM)

## 1.3.2.4. Narrow type

Its slightness suggests that this is the youngest type of this group. The brooch is narrower, and the terminals flare. The decoration, however, conforms to the earlier types in the group.

Westergo

# **40. Boer** (Franekeradeel)

5 G 57

No grooves lengthways

1. 31 mm

Coll. Zijlstra (FM), 540

## **41. Zweins** (Franekeradeel)

5 G 105

1. 34 mm

Coll. Zijlstra (FM), 590

## **42. Berlikum** (Menaldumadeel)

1. 31 mm

Private coll.

#### 43. North-west Friesland

Fragment

Coll. Okel

## 1.3.2.5. All-over ornamented type

Fairly straight type. Only slightly curved bow. Bow and terminals all-over ornamented.

Westergo

#### **44. Midlum** (Harlingen)

1. 36 mm

Coll. Harmsma

#### 1.4. Hollow type brooch with sharply curved bow

Bow and terminals are hollow. The bow is short and sharply elevated. Probably an early type. The defining elements are also found in brooches from Domburg (Capelle n.d., No. 76) and from the *Sammlung* Diergardt (Werner, 1961).

WIJNALDUM (HARLINGEN)

45.

1 41 mm

Coll. Halff

## 1.5. Group with (partly) ribbed bows

## 1.5.1. *Type with two ribs centrally across the bow*

WIJNALDUM (HARLINGEN)

46.5 G 71

1. 30 mm

Coll. Zijlstra (FM)

Zijlstra, 1990: No. 11h

# 1.5.2. Subgroup with cat's-paw terminals

The terminals have fingers like cat's paws.

## 1.5.2.1. Type with cat's paws and a low bow

Bow completely ribbed; terminals in the shape of cat's paws.

WIJNALDUM (HARLINGEN)

47. 5 G 71

1. 36 mm

Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

# 48. Boer (Franekeradeel)

5 G 57

1. 32 mm

Coll. Zijlstra (FM), 715

# **49. Firdgum** (Franekeradeel)

Heavily corroded, identification uncertain

1. 30 mm

Coll. Leistra

#### **50. Oosterbierum** (Franekeradeel)

1. 36 mm

Coll. Zijlstra (FM)

Zijlstra, 1994: No. 68

#### **51. Almenum** (Harlingen)

5 G 73

1. 36 mm

Coll. Zijlstra, 300

Oostergo?

# 52. From deposited terp soil

Bergum area (Tytsjerksteradiel)

1. 35 mm

Coll. Van der Meer, 92-1

## 1.5.2.2. *Type with cat's paws and a high bow*

The same as the previous, but heavier, and with a curved bow. The sturdier form in this instance does not seem to point to an earlier date.

Stellingwerven

## **53. Oosterwolde** (Ooststellingwerf)

Nanninga (formerly Prandingerhof)

1. c. 38 mm

Coll. Hoogenkamp

# 1.5.3. Unique form

Catchplate- and hinge holder are absent. For a similar example from Domburg, in silver, see Capelle n.d., No. 35.

Westergo

# 54. Ried (Franekeradeel)

1. 37 mm

Coll. Zijlstra (FM), 124

## 1.5.4. Unique form

With inset stones. Do the terminals perhaps represent a human or animal head?

WIJNALDUM (Harlingen)

#### 55. 5 G 72

Fragment; reconstruction l. c. 38 mm Coll. Zijlstra (FM) Zijlstra, 1990: No. 11d

## 1.6. Group with circular elements

This group has been defined to facilitate identification and comparison. Equal-armed brooches with round terminals, however, form a group that is distinguished by most authors: it is Hübener's group 1 (Hübener, 1972: p. 216), Capelle's group 51–59 (Capelle n.d.), and Van Bellingen's type 1 (1.1–1.4) (Van Bellingen, 1988: p. 34). This group includes brooches with a central disc, but other than round terminals; furthermore, 'round terminals' has to be taken broadly.

# 1.6.1. Subgroup of rostrums

The brooch consists of three connected discs, the middle one, constituting the bow, jutting up.

## 1.6.1.1. Rostrum type with crosses

Each disc bears an incised cross, accompanied by four dots. The dots possibly, but not necessarily, symbolize the four Evangelists (*cf.* amongst others the disc brooches of types 2.5.2.3 and 2.5.3.1; Bos, forthcoming). The only Frisian example is made of silver with niello.

WIJNALDUM (HARLINGEN)

# 56. 5 G 72

Silver, niello 1. 36 mm Coll. Zijlstra Zijlstra, 1990: No. 11f

## 1.6.1.2. Rostrum type with concentric circles

The discs bear of a circle-and-dot, or a number of concentric circles. The three Frisian examples slightly differ from each other, as they differ from a parallel found at Domburg (Capelle n.d., No. 56). The dating of the features underlying No. 57 suggests that this brooch was deposited between AD 850 and 900.

W '91-'93

## 57. Topsoil

1. 29.5 mm

Coll. W '91-2628

Besteman et al., 1992: p. 63

OTHER FINDS FROM WESTERGO

## **58. Minnertsga** (Het Bildt)

1. min. 45 mm Coll. Hasselt, 9293

Oostergo

## **59.** Holwerdermieden (Dongeradeel)

Baarda 1 31 5 mm Coll. Haak

1.6.2. Subgroup with round or roundish terminals and a low bow

## 1.6.2.1. Type with crosses

On the round terminals a scratched cross, accompanied by four dots. The Frisian fragment is made of silver, just as a whole example from Egmond in North Holland in the J. Henstra-collection, which is 29 mm long. During the Tjitsma excavation (W'91-'93) a round silver disc (diameter approx. 13 mm) was found (W'91-1726), with a seriffed cross, but probably without the four dots. This may have been a fragment of a similar equal-armed brooch. Because of its poor state of conservation, this fragment cannot be studied properly. It is therefore omitted from this catalogue.

Westergo

# **60. Herbayum** (Franekeradeel)

Hofstra Silver; fragment 1. c. 40 mm

Coll. Harmsma

## 1.6.2.2. Type with 'rouletted' decoration

The round terminals have square-ended protrusions. A band of either pronounced dots or pronounced rectangles runs along the bow and both terminals. Known only in silver.

WESTERGO

# **61. Franeker** (Franekeradeel)

Silver; band of rectangles 1. 34 mm

Coll. Hasselt, 9352

## **62. Franeker** (Franekeradeel)

Liautaterp

Silver; band of dots

1. 40 mm

Coll. Boonstra (on loan to FM as FM 1990-VI-4)

# **63. Oosterbierum** (Franekeradeel)

Silver; band of rectangles Identification uncertain; just the bow Dimensions similar to No. 62 Coll. Zijlstra (FM)

1.6.2.3. Type with 'daisies'

Not entirely symmetrical.

WIJNALDUM (HARLINGEN)

#### 64.5 G 71

1. 46 mm Coll. Zijlstra (FM), 174 Zijlstra, 1990: No. 11i

1.6.3. Subgroup with circular design only on the bow

1.6.3.1. *Type with a cross within the circle* 

WIJNALDUM (HARLINGEN)

## 65. 5 G 71 West

1. 38 mm Coll. Zijlstra, 52 Zijlstra, 1990: No. 11b

1.6.3.2. Type with 'four chairs around a table'

Westergo

# 66. Minnertsga (Het Bildt)

1. 33 mm Coll. Zijlstra

Zijlstra, 1990: No. 11e, with provenance erroneously quoted as Wijnaldum.

Oostergo

# **67. Oosterbeintum** (Ferwerderadeel)

l. 34 mm Coll. Haak

## 1.6.3.3. Type with cross and dots

The hinge holder is also made of silver.

Westergo

# **68. Hitzum** (Franekeradeel)

Doyum
Gilt silver
1. c. 50 mm (incomplete)
Coll. Suierveld

#### 1.6.4. *Type unknown*

Fragment with a one-piece hinge holder; broken-off disc incised with a cross. Perhaps part of a rostrum brooch? Silver.

WIJNALDUM (HARLINGEN)

#### 69.5 G 71

Silver Diameter 9 mm Coll. Zijlstra, 237 Zijlstra, 1991: No. 65

#### 1.6.5. Miscellaneous

## 1.6.5.1. Type with arched cat's back

An intermediate type, also showing affinity with subgroup 1.9.2.

WESTERGO

# 70. Dongjum (Franekeradeel)

1. 23 mm Coll. Zijlstra

## 1.6.5.2. Type with inset stones

 $W_{ESTERGO} \\$ 

#### **71. Tzummarum** (Franekeradeel)

5 G 21

Silver gilt, with a setting from which the stones are lost

Fragment

1. originally c. 37 mm Coll. Zijlstra, 257 Zijlstra, 1991: No. A 20

#### 1.7. Rectangular type

This shape can also be found in the Domburg material (Capelle n.d., Nos 62–66). In Friesland it is clearly an exception among the present finds.

Oostergo

# 72. Holwerd (Dongeradeel)

Medwerd 1. 43 mm Coll. Zijlstra (FM), 116 Zijlstra, 1994: No. 69

## 1.8. Group of a paddle-shaped brooches

An undecorated, mostly narrow bow connects two identical terminals.

# 1.8.1. Subgroup with square-ended terminals

#### 1.8.1.1. Type with undecorated terminals

Bow semicircular to rectangular in section.

WIJNALDUM (HARLINGEN)

#### 73.5 G 71

1. 25 mm

Coll. Zijlstra (FM)

## 1.8.1.2. *'Bow-tie' type*

The most common type, with a semicircular to almost rectangular bow, not much curved. Each terminal carries three grooves. Slight variations are noted in the catalogue.

The difference in quantity of finds of this type from the Wijnaldum *terpen* as compared to those from the Dongjum *terpen*, is striking: more than twenty from Wijnaldum, and only one from Dongjum. After discussions among the detectorists who actually found the brooches, the suggestion that quoting 'Wijnaldum' as a more interesting findspot than the actual one could be rejected. Wijnaldum really did yield twenty times as many brooches of this type as Dongjum. In earlier types of brooches (Bos *et al.*, in prep.) Dongjum is strongly represented; but the 9<sup>th</sup>-10<sup>th</sup> century disc

brooches (Bos, forthcoming) are not as abundant. Comparing the frequency of finds of the 7<sup>th</sup> century type 1.3.2.2. with that of this 9<sup>th</sup> century type, one gets the impression that the 8<sup>th</sup> century and/or the early 9<sup>th</sup> century was a period of population decrease on the Dongjum *terpen*.

The dates for the Tjitsma excavation finds are consistent. These dates concern the features underlying the topsoil containing the finds: No. 74: AD 800–900; No. 75: AD 850–900; No. 76: AD 850–900; No. 77: AD 770–900, and No. 78: AD 770–900.

As usual, Oostergo is poorly represented. In view of the numbers we may perhaps, by way of exception, consider this type to be from Westergo. In the Galama collection we encountered a unique example from the Groningen *terpen* area (Warffum). Haalebos (1984–85) published another example from Maurik, near Nijmegen.

W '91-'93

#### 74. Topsoil

Fragment Coll. W '91-7

# 75. Topsoil

1. 25 mm

Terminals slightly concave, like a shovel Coll. W '91-981

Besteman et al., 1992: p. 63

# 76. Topsoil

1. 25 mm

Coll. W '91-1941

Besteman et al., 1992: p. 63

## 77. Topsoil

Fragment

Coll. W '92-5339

#### 78. Topsoil

1. 28 mm

Terminals somewhat rounded

Coll. W '92-5615

WIJNALDUM (HARLINGEN)

#### **79**.

1. 26 mm

Coll. Zijlstra (FM)

Zijlstra, 1990: No. 11g

#### 80.

1. 22 mm

Coll. Hasselt, 9323

#### 81.

1. 25.5 mm

Coll. Zijlstra (FM)

#### 82.

1. 26.5 mm

Coll. Halff

#### 83.

1. 28 mm

Terminals slightly concave

Coll. G. van Dijk

#### 84.5 G 71

1. 25 mm

Private collection

#### 85. 5 G 72

1. 27 mm

Coll. Zijlstra (FM)

## 86. 5 G 71, Tjitsma

Fragment

Coll. RAAP FB 5 G 71 A AKM 4, No. 20

# 87. 5 G 72

Fragment

Coll. RAAP FB 5 G 72 I AKM 1, No. 2

#### 88.5 G 71

1. 25 mm

Coll. Zijlstra (FM), 96

# **89.**

1. 25 mm

Coll. J. Henstra

#### 90.5 G 71

1. 26 mm

Coll. Zijlstra (FM)

#### 91.

1. 30 mm

Coll. Zijlstra (FM)

#### 92. 5 G 71

1. 23.5 mm

Coll. Zijlstra (FM)

93.

1. 26 mm

Coll. Zijlstra (FM)

94.5 G 71

1. 26 mm

Coll. Zijlstra (FM)

95.

1. 26 mm

Coll. G. van Dijk

96.5 G 71

1. 26 mm

Coll. Zijlstra (FM), 238 Zijlstra, 1991: No. 66

OTHER FINDS FROM WESTERGO

97. Minnertsga (Het Bildt)

1. 26 mm

Coll. Hasselt, 9345

**98. Dongjum** (Franekeradeel)

165.17/580.15

1. c. 22 mm

Coll. Okel

**99. Firdgum** (Franekeradeel)

1. 27 mm

Coll. Leistra

**100. Franeker** (Franekeradeel)

Corroded; grooves not clearly visible

1. over 26 mm

Coll. Hasselt, 9307

**101.** probably **Hitzum** (Franekeradeel)

l. c. 29 mm

Private collection

102. Oosterbierum (Franekeradeel)

1. 25 mm

Private collection

**103. Oosterbierum** (Franekeradeel)

1. 26.5 mm

Coll. Zijlstra (FM)

**104. Oosterbierum** (Franekeradeel)

l. at least 24 mm

Coll. G. van Dijk

**105. Oosterbierum** (Franekeradeel)

1. 26 mm

Coll. G. van Dijk

**106. Oosterbierum** (Franekeradeel)

1. 26 mm

Coll. Zijlstra (FM)

107. Peins-Schalsum (Franekeradeel)

Lonkum

1. 25 mm

Coll. Harmsma

**108. Pietersbierum** (Franekeradeel)

1. 26 mm

Coll. Hasselt, 9348

109. Ried (Franekeradeel)

1. 25.5 mm

Coll. Bol

110. Tzummarum (Franekeradeel)

1. 26 mm

Coll. Hasselt, 9326

111. Tzummarum (Franekeradeel)

5 G 35

1. 26 mm

Coll. Zijlstra (FM)

112. Tzummarum (Franekeradeel)

5 G 36

1. 25 mm

Coll. Zijlstra (FM)

113. Tzummarum (Franekeradeel)

5 G 35

1. 24 mm

Coll. Zijlstra (FM)

114. Tzummarum (Franekeradeel)

1. 26 mm

Coll. Boonstra, 80

115. Tzummarum (Franekeradeel)

1. 26 mm

Coll. Boonstra, 79

116. Midlum (Harlingen)

1. 28 mm

Coll. Hasselt, 9297

#### 117. Midlum (Harlingen)

1. 25 mm

Coll. J. Henstra

## 118. Baijum (Littenseradiel)

5 H 60

Bow almost rectangular in section

1. 25 mm

Coll. Zijlstra (FM), 391

# 119. Beetgum (Menaldumadeel)

*Terp* Besseburen

Fragment

Coll. temp. BAI

# 120. Berlikum (Menaldumadeel)

Bow practically rectangular in section

1 25 mm

Private collection

#### **121. Berlikum** (Menaldumadeel)

1. 26 mm

Coll. Zijlstra (FM), 656

## 122. Menaldum (Menaldumadeel)

1. 27 mm

Bow somewhat bevelled

Coll. Okel

# 123. North of Menaldum (Menaldumadeel)

5 H 19

Fragment

Coll. RAAP FB 5 H 19 AKM 1, No. 3

## **124. Slappeterp** (Menaldumadeel)

1. 26 mm

Coll. J. Henstra

## 125. Slappeterp (Menaldumadeel)

1. 25 mm

Coll. G. van Dijk

## **126. Pingjum** (Wûnseradiel)

1. 24 mm

Coll. Zijlstra (FM)

# **127. Pingjum** (Wûnseradiel)

Riegeterpen, 185.55/570.55

1. 25 mm

Coll. Okel

#### 128. Pingjum (Wûnseradiel)

Riegeterp

1. 26 mm

Coll. Zijlstra (FM), 412

#### 129. North-western Friesland

1. 26 mm

Coll. FM 1990-II-5

Oostergo

#### **130. Hogebeintum** (Ferwerderadeel)

Fragment

Coll. Van Koningsveld

# **131. Bergum area** (Tietjerkstradeel)

On land manured with terp soil

1. 27.5 mm

Bow almost rectangular in section

Coll. Van der Meer, 93-5

FRIESLAND

#### 132.

1. 20 mm

corroded; grooves not clearly visible

Coll. Zijlstra (FM)

## 1.8.1.3. *Type with three circle-and-dots*

Three circle-and-dots on each of the terminals.

Westergo

## 133. Schalsum (Franekeradeel)

1. 24 mm

Coll. Hasselt, 9264

# 1.8.1.4. Reconstructed type with X's

This tentative reconstruction is based on a bent fragment. This type may not have been symmetrical; the reconstruction is presented with reservations.

Westergo

# 134. Minnertsga (Het Bildt)

1. over 29 mm

Coll. Hasselt, 9330

## 1.8.1.5. Type with cabled decoration

Westergo

## **135. Tzummarum** (Franekeradeel)

1. 30 mm

Coll. G. van Dijk

## 1.8.1.6. Manacled type

The terminals show grooves parallel to the outline.

Westergo

## **136. Beetgum** (Menaldumadeel)

Besseburen, sector 2

Fragment

1. originally almost 4 cm

Coll. temp. BAI

## 1.8.2. Subgroup with forked terminals

## 1.8.2.1. Type undecorated

Bevelled bow. The features underlying No. 137 can be dated between AD 850 and 900, which is an acceptable date for this type.

W'91-'93

# 137. W.P. XII, level 1

1. 27 mm

Coll. W'91-2027

Besteman et al., 1992: p.63

OTHER FINDS FROM WESTERGO

# 138. Tzummarum (Franekeradeel)

5 G 21

1. 27 mm

Coll. Zijlstra (FM), 259

## 1.8.2.2. *Type with grooves on the terminals*

Three grooves on each terminal.

WIJNALDUM (HARLINGEN)

139. 5 G 72

1. 26 mm

Private collection

OTHER FINDS FROM WESTERGO

# **140. Dronrijp** (Menaldumadeel)

1. 28 mm

Coll. Scheffer

## 1.8.2.3. Manacled type

The 'manacles' are part of the terminals. The terminals have three grooves.

WIJNALDUM (HARLINGEN)

# 141. 5 G 71, Tjitsma

Bow more distinctly arched

1. 25 mm

Coll. RAAP FB 5 G 71 A AKM 7, No. 7

OTHER FINDS FROM WESTERGO

## **142. Midlum** (Harlingen)

1. 34 mm

Coll. Zijlstra (FM), 56

# 1.8.3. Subgroup with four-lobed terminals

# 1.8.3.1. Type with four dimples

A dimple in each of the four lobes.

Westergo

## 143. Minnertsga (Het Bildt)

1. 22 mm

Coll. Zijlstra (FM), 781

# 144. North-western Friesland

1. 21 mm

Coll. Hasselt, 9257

## 1.8.3.2. Four-leaf clover type

Each of the four lobes has a diagonal depression.

Westergo

# **145. Pingjum** (Wûnseradiel)

Riegeterpen

1. 24 mm

Private collection

1.8.4. Miscellaneous subgroup

1.8.4.1. Type with 'fleurs-de-lis'

The terminals are suggestive of a simplified *fleur-de-lis*.

WIJNALDUM (HARLINGEN)

#### 146. 5 G 71 east

1 26 mm

Private collection

OTHER FINDS FROM WESTERGO

## **147. Tzummarum** (Franekeradeel)

5 G 21

1. 28 mm

Coll. Zijlstra (FM), 258

Oostergo

#### **148. Dokkum** (Dongeradeel)

1. 28 mm

Coll. Haak

1.8.4.2. *Type with inverted triangles* 

Four raised dots on both inverted triangles.

Westergo

## 149. Minnertsga (Het Bildt)

1. 22 mm

Coll. Zijlstra (FM), 253

1.8.4.3. Type 'tentative reconstruction'

Known as a fragment only; it may also belong to a non equal-armed brooch. Catchplate- and hinge holder are missing. The reconstruction is presented with considerable reservations.

Oostergo

## 150. Anjum (Dongeradeel)

Coll. Haak

1.8.4.4. Type with rectangular terminals with crosses

Corroded, but the X's are more or less discernable.

WIJNALDUM (HARLINGEN)

#### 151. 5 G 71 east

1. 36 mm

Coll. RAAP FB 5 G 71 B AKM 4, No. 3

1.8.4.5. *Type with ogival terminals* 

Terminals like pointed spatula's. Solid semicircular bow. Gives the impression of being an early type.

Westergo

# **152. Oosterbierum** (Franekeradeel)

1. 42.5 mm

Coll. G. van Dijk

- 1.9. Miscellaneous bow-tie forms
- 1.9.1. Subgroup with broadened bow
- 1.9.1.1. Type with similar decoration on bow and terminals

Oostergo

## **153. Oosterbeintum** (Ferwerderadeel)

1. 40 mm

Coll. Zijlstra (FM)

1.9.1.2. Type with simple bow

The terminals are formed by grooved or incised plates with three 'fingers', of which the middle one projects furthest. The bow is smooth and undecorated. This type occurs in both bronze and silver. No two specimens are fully identical.

Westergo

## 154. Minnertsga (Het Bildt)

5 G 25

Silver

1. 34 mm

Coll. P. van Dijk

# **155. Dongjum** (Franekeradeel)

Gilt silver

Fragment; may also belong to types 1.9.1.3 or 1.9.1.4

A broken-off terminal

Coll. G. van Dijk

#### **156. Oosterbierum** (Franekeradeel)

1. 36 mm

Coll. G. van Dijk

## **157. Oosterbierum** (Franekeradeel)

Deep grooves on the terminals; rounded fingers

1. 35 mm

Coll. Zijlstra (FM) Zijlstra, 1994: No. 66

## **158. Oosterbierum** (Franekeradeel)

Silver

Original not available

Coll. Zijlstra

Zijlstra, 1992: No. 33

#### 159. Midlum (Harlingen)

Terminals very angular, only the middle finger is

rounded

1. 39 mm

Coll. Halff

#### **160. Beetgum** (Menaldumadeel)

Besseburen

Silver

1. 41.5 mm

Coll. Zijlstra (FM)

## **161. Pingjum** (Wûnseradiel)

Riegeterp

Silver

1. 33 mm

Coll. Zijlstra (FM), 398

Oostergo

# 162. Tibma (Dongeradeel)

1. 36 mm

Coll. Weening

#### 1.9.1.3. As above, but manacled

Westergo

#### **163. Oosterbierum** (Franekeradeel)

5 G 40

Silver

1. 33 mm

Coll. Zijlstra, 224

Zijlstra, 1992: No. 32

## 1.9.1.4. Type with dots on bow

Small, compact type.

Westergo

# 164. Berlikum (Menaldumadeel)

1. 23.5 mm

Private coll.

# 1.9.1.5. Manacled type, with moulded bow

The Domburg material contains no exact parallels, but the style is represented there (Capelle n.d., Nos 60 and 61).

Oostergo

# 165. Anjum (Dongeradeel)

1. 38 mm

Coll. Haak

# 1.9.2. Subgroup with thickened bows

# 1.9.2.1. *Type with flat-topped bow*

Westergo

## 166. Minnertsga (Het Bildt)

1. 27 mm

Coll. Zijlstra (FM)

1.9.2.2. Type with humped bow and two grooves on the terminals

Westergo

# 167. Minnertsga (Het Bildt)

1. 29 mm

Coll. Zijlstra (FM)

# **168. Minnertsga** (Het Bildt)

5 G 25

1. 29 mm

Coll. P. van Dijk

# **169. Oosterbierum** (Franekeradeel)

5 G 38

1. 29 mm

Coll. Zijlstra (FM), 867

# 170. Tzummarum (Franekeradeel)

5 G 31

1. 31 mm

Coll. Zijlstra (FM)

1.9.2.3. Type with humped bow and three-fingered terminals

Containing elements of both types 1.9.1.2 and 1.9.2.2.

Westergo

# 171. Minnertsga (Het Bildt)

1. 28 mm

Coll. G. van Dijk

1.10. Miscellaneous group

## 1.10.1. Unidentifiable type

Heavily corroded. Either of type 1.7 (cat. no. 72) or type 1.9.1.1 (cat. no. 153). Bow seems ribbed like No. 72, terminals apparently broader than the bow, as possibly in No. 153.

Westergo

#### 172. Ried (Franekeradeel)

Heavily corroded l. at least 41 mm Coll. Zijlstra (FM)

## 1.10.2. Unique type

Type with decorated and elevated bow. The only example found has a casting jet on one end, indicating that it was locally produced.

Westergo

# 173. Berlikum (Menaldumadeel)

Site of Anjum monastery
With a casting jet
Original not available
Coll. Sloots (on loan to FM)
(drawing by H. Roelink, GIA)
Kramer, 1988: p. 182

# 1.10.3. Enamelled type

Diamond-shaped terminals, bearing a cross pattern in enamel.

Westergo

# **174. Tzummarum** (Franekeradeel)

5 G 36 Fragment l. c. 42 mm Coll. Zijlstra (FM)

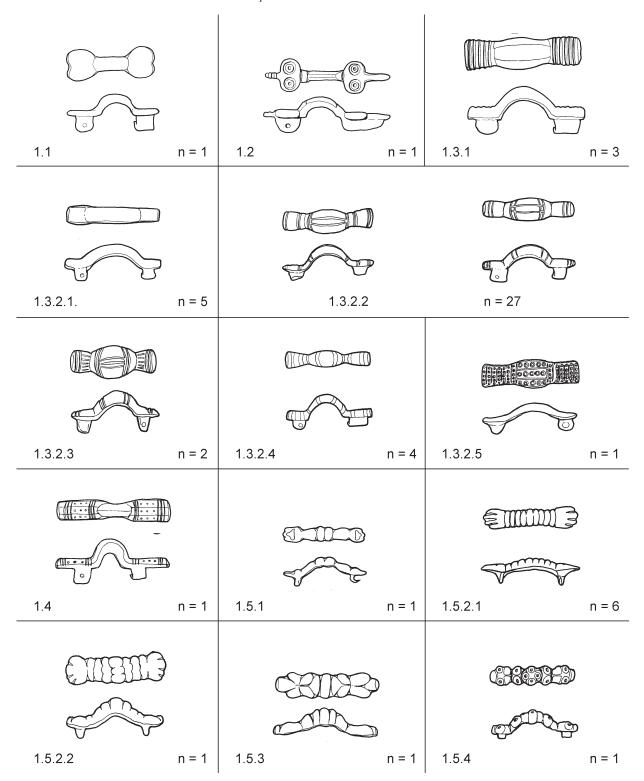


Fig. 5. Prototypes small equal-armed brooches (drawing J. de Koning). Scale 1:1

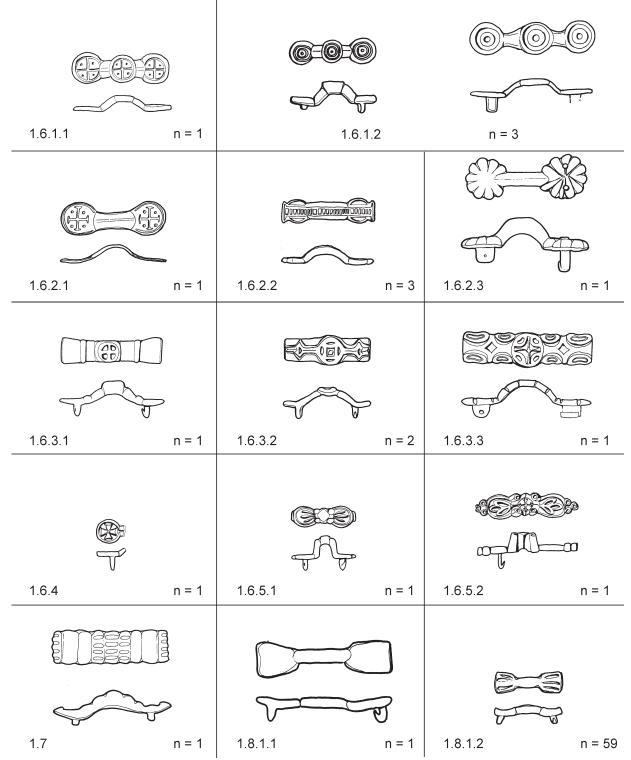


Fig. 6. Prototypes small equal-armed brooches (drawing J. de Koning). Scale 1:1

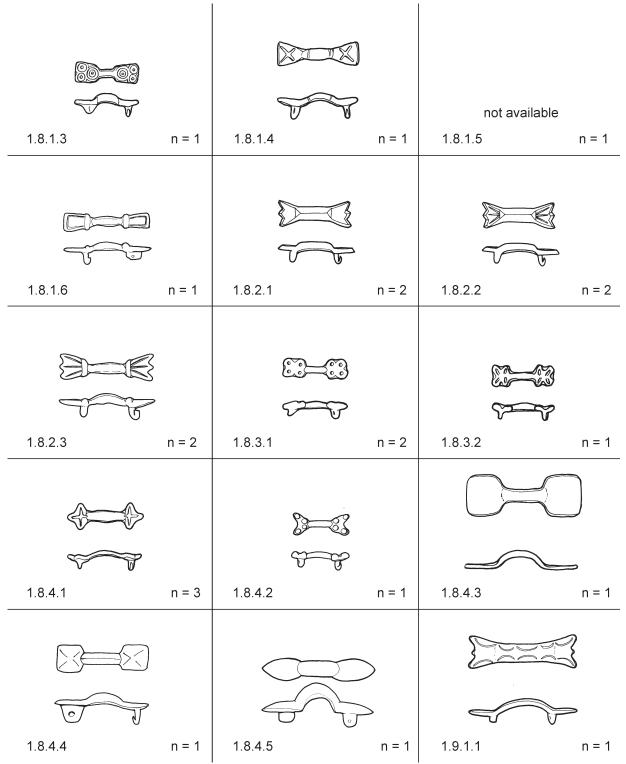


Fig. 7. Prototypes small equal-armed brooches (drawing J. de Koning). Scale 1:1

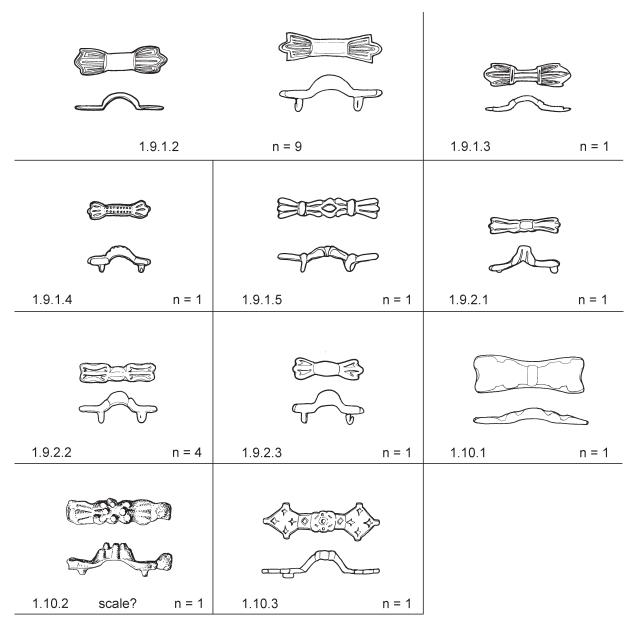


Fig. 8. Prototypes small equal-armed brooches (drawing J. de Koning). Scale 1:1

#### 4. ACKNOWLEDGEMENTS

The author wishes to thank J. de Koning for preparing the drawings and Ms A.C. Bardet for improving his English.

#### 5. REFERENCES

- BELLINGEN, S. VAN, 1988. Gelijkarmige fibulae uit de Merovingische en Karolingische periode in België en Noord-Frankrijk. Unpublished master's thesis, Vrije Universiteit Brussel.
- BELLINGEN, S. VAN, 1989. Les fibules ansées symétriques en Wallonie. *Infos-archeo-situla* 1–2, pp. 11–20.
- BESTEMAN, J.C., J.M. BOS & H.A.HEIDINGA, 1992. *Graven naar Friese koningen. De opgravingen* in *Wijnaldum*. Francker, Van Wijnen.
- BOS, J.M., this volume. Medieval brooches from the Dutch province of Friesland (Frisia); a regional perspective on the Wijnaldum brooches. General introduction.
- BOS J.M., forthcoming. Medieval brooches from the Dutch province of Friesland (Frisia); a regional perspective on the Wijnaldum brooches. Part II: disc brooches. *Palaeohistoria*.
- BOS, J.M., et al., in prep. Several papers in Palaeohistoria.
- BOTMAN, A., 1994. De Domburgfibula, een Fries type? Unpublished master's thesis, Vrije Universiteit Amsterdam.
- CAPELLE, T., n.d. *Die frühgeschichtlichen Metallfunde von Domburg auf Walcheren* (Nederlandse Oudheden 5). N.p.

- HAALEBOS, J.K., 1984–85. Fibulae uit Maurik. OMROL 65 (supplement), pp. 5–114.
- HÜBENER, W., 1972. Gleicharmige Bügelfibeln der Merowingerzeit in Westeuropa. Madrider Mitteilungen 13, pp. 211–269.
- KNOL, E., 1993. De Noordnederlandse kustlanden in de Vroege Middeleeuwen. Diss. Vrije Universiteit Amsterdam, Groningen.
- KNOL, E., W. PRUMMEL, H.T. UYTTERSCHAUT *et al.*, 1995–6. The early medieval cemetery of Oosterbeintum (Friesland). *Palaeohistoria* 37/38, pp. 245–416.
- KRAMER, E., 1988. Archeologische afdeling. De Vrije Fries 68, pp. 171–185.
- MÜLLER, R. & H. STEUER, 2000. Fibel und Fibeltracht. Studienausgabe. *Reallexikon der Germanischen Altertumskunde*. Berlin/ New York, Walter de Gruyter.
- WAMERS, E., 1994. Karolingerzeit. Lemma: Fibel and Fibeltracht. Hoop's Reallexicon der Germanischen Altertumskunde, Band 8, pp. 586–602
- WERNER, J., 1961. Katalog der Sammlung Diergardt. 1. Die Fibeln. N.p.
- ZIJLSTRA, J., 1990. Friese bodemvondsten 1. Finns fibula. Private publication.
- ZIJLSTRA, J., 1991. Friese bodemvondsten 2. Onderzoek Wijnaldum. Supplement 'Finns Fibula'. Private publication.
- ZIJLSTRA, J., 1992. Friese bodemvondsten 3. Wijnaldum Finnsburg; vondsten uit Noordelijk Westergo. Private publication.
- ZIJLSTRA, J., 1994. Friese bodemvondsten 5. Archeologische, historische en naamkundige aspecten. Private publication.