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Metal-detected Late Iron Age and Early Medieval Brooches from the Limfjord Region, Northern Jutland: Production, Use and Loss.

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ABSTRACT

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Based on the study of 1,859 metal-detected brooches recovered at different sites in the Limfjord region, this paper discusses patterns of production, distribution, use, and deposition of brooches. Widespread indications of non-ferrous metalwork and a modest number of models for brooch production suggest that brooches were produced at many settlements in the region during the period studied (AD 400–1150), and traces of technical change and varying distribution patterns in the finished brooches suggest temporally as well as spatially differing modes of production. Furthermore, analyses suggests that most brooches were intact when they entered the soil, and seemingly random distribution patterns likely reflect the fact that many, perhaps most, were simply accidentally dropped. However, over and above, the interpretational difficulties are consequent on the recovery of all of the metal-detector finds in the plough layer detached from their original context. The interpretation of distribution patterns is at most sites also markedly challenged by the fact that many brooches, along with other metal artefacts, appear to having been secondarily deposited in the fields surrounding the settlements, probably during the manuring of the fields.

KEYWORDS: Metal detecting, Ploughzone archaeology, Late Iron Age Scandinavia, Viking Age Scandinavia, Brooch, the Limfjord.

Metal-detected Late Iron Age and Early Medieval Brooches from the Limfjord Region, Northern Jutland: Production, Use and Loss

Introduction

Most Danish scholars perceive the past three decades of private metal detecting as a great success – and for good reason. Encouraged by liberal legislation and cooperative local museums, and favoured by the fact that more than 60 per cent of Denmark is arable land, private detectorists have saved thousands of objects from slow degradation in the hostile environment of the plough layer through their hobby. In addition to generally multiplying previously scarce find categories, thus radically altering many distribution maps, these finds have led to the recovery of a broad variety of settlements, changing the general perception of settlement and societal development during the Iron Age and the Early Medieval period in Denmark (e.g. Watt 1991; Jensen & Watt 1993; Jørgensen 1994; Randsborg 1994; Fabech & Ringtved 1995; Fabech 1999; Nielsen 2002; Høilund Nielsen 2014; Trier Christiansen 2017). Conversely, the conspicuous success of private metal detecting represents a pressing challenge. The find material has been growing and continues to do so at a speed that leaves little prospect of maintaining an overview – a problem markedly worsened by the decentralised find management system.²

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² The decentralised structure of Danish museums, facilitating close personal contact between museum staff and detectorists, is doubtless a major contributing reason for the success of the liberal attitude towards private metal detecting. Finds are initially handed in to the local museums, which do the basic recording and send off the potential treasure trove finds to the National Museum. However, with limited standardisation of the initial basic recording conducted at the local museums and no complete national database, collecting data for regional analyses becomes excessively time-consuming, if indeed at all possible.

Thus, the possibility of conducting comparative analysis including large parts of the find record is limited. Hence, research focusing on metal-detector finds has unsurprisingly been orientated primarily towards either studies of minor categories of specific types of objects, studies of individual detector sites, or studies of metal-detector finds derived from minor regions. A considerable part of the broad mass of detector finds has neither been studied in detail nor incorporated in comprehensive comparative studies.

The effect of the constraints in hindering comprehensive broad studies is particularly pronounced where such studies are potentially most fruitful, in the most productive regions of Denmark. One of these is the region of the Limfjord, northern Jutland. Owing to a series of excavations at large settlements by the fjord, and not least thanks to the investigations of the largest of the Danish Viking Age ring fortresses, Aggersborg, conducted during the late 1940s and 1950s, the significance of this region during Late Iron Age and Early Medieval times has long been well known (Ramskou 1976; Birkedal Christensen & Johansen 1992; Johansen 1992; Nielsen 2002; Roesdahl, Sindbæk & Pedersen 2014). During recent decades, the tremendous success of the private metal detectorists has contributed to the impression of an elevated level of activity in the region during this period and onwards through the Middle Ages. Hundreds of detector finds continue to be handed in from large settlements situated on the hills around the fjord. Here, as is the case in metal-rich settlements of varying kinds in the rest of southern Scandinavia, brooches dominate the narrowly dated part of the find material from all sites in the region (e.g. Henriksen 2000a; Watt 2000; Fiedel, Høilund Nielsen & Loveluck 2011; Feveile 2014; Wählin 2014).

The metal-detected brooches supply a decisive contribution to the dating of the metal-rich sites, and the number of brooches provides a guiding indication of the general level of activity at the sites. However, the reasons for the presence of the often impressive number of brooches are unclear. Some scholars presume that most were dropped during use, an interpretation typically supported by the fact that the majority of brooches seemingly were whole or almost so at the time of disposal/deposition, as indicated by the preserved pin or residues of it, and by the fact that they are usually scattered randomly across the settlements (Vang Petersen 1991: 53; Høilund Nielsen & Loveluck 2006: 73–74; Kershaw 2013: 184). In several other cases, some of the scattered jewellery recovered at large settlements has been interpreted as scrap metal intended for melting and reproduction of artefacts (Hedegaard 1989: 80; Jørgensen 1994: 57; Callmer 1999: 202; Henriksen 2002: 163; Hårdh 2003: 65; Hårdh 2011: 59–61; Høilund Nielsen 2014: 30). Due to the weak contextual support offered by the plough layer for deeper understanding of the phenomenon, explanations as to the reason for the abundance of brooches remain rather speculative. The fundamental loss of explanatory value when the plough first tears the object out of its original context is of course irreversible, and accordingly a detailed understanding of every metal-detected object is unattainable. However, considering the extent and the spread of the

phenomenon, many of these accumulations of brooches are bound to be the product of similar patterns of behaviour. Hence, given a sufficient sample size, such patterns ought to be discernible against the background “noise” left by more random actions. The intention of this paper is to follow this path, and to explore large-scale patterns through diachronic comparative studies of a large corpus of Late Iron Age (c. AD 400–1000) and Early Medieval (c. AD 1000–1150) brooches recovered in the Limfjord region.

In attempt to attain a better understanding of the abundance of brooches, what may be termed a “broad-scale biographic approach” is applied below. The structure of the paper will follow the lifecycle of the brooches, from production to distribution and concluding with use and final deposition. First, however, I will give a brief contextualising introduction to the nature of metal detection in the Limfjord region, and a short presentation of the find record.

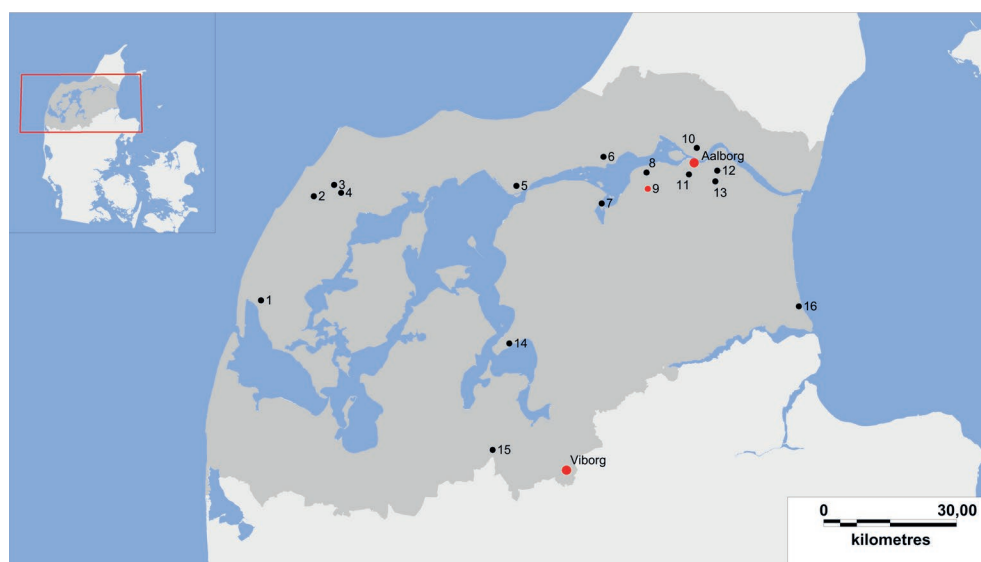


Figure 1: Region covered by the study (dark grey) and sites where detectorists have found most brooches: 1) Vestervig, 2) Vang, 3) Vester Vandet, 4) Øster Vandet, 5) Toftum Næs, 6) Louns Kirkebjerg, 7) Aggersborg, 8) Sebbesund, 9) Øland, 10) Nørholm, 11) Sønderholm, 12) Bejsbakken, 13) Lindholm Høje, 14) Sønder Tranders, 15) Nørre Tranders/Øster Uttrup, 16) Als.
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Metal detecting in the Limfjord region and the formation of the find record

As in all parts of Denmark, metal detecting in the Limfjord region has primarily been conducted by private metal detectorists, and the brooches included in this study were recovered exclusively by these often highly active and very dedicated hobby archaeologists. The spread of private metal detecting has been surprisingly uneven across the region, and accordingly the number of finds and not least the quality of the find record varies considerably within the region. When metal detecting first boomed in Denmark during the late

1970s and early 1980s, the private detectorists initially started out surveying the areas adjacent to the already well-known large Late Iron Age settlements on the hills in and around Aalborg in the eastern part of the region. They were immediately very successful, and only as finds became sparse at the most yielding sites did they gradually expand their area of interest, soon realising that the neighbouring hills were just as interesting. However, despite the continuing success of the private detectorists in the Aalborg area during the 1990s, metal detecting never caught on in the rest of the region. Apart from the efforts of a few individuals operating in minor regions,³ vast areas in the western and southern part of the Limfjord region remained unexplored by metal detectorists. During the last ten years, this situation has changed radically, and private metal detections have boomed in Thy, at the western end of the region and around the city of Viborg to the south-west.

The differing trajectories of private metal detecting in the eastern and western Limfjord region have left two contrasting find records. To the east, there is a very rich record with, as expected, a high level of geographical coverage, but also a record of finds that have been recorded according to different standards and with varying accuracy over a period of more than thirty years. To the west, we find a more modest but rapidly growing record of finds, recorded in a much more standardised manner during the past ten years and with, not least, a higher degree of spatial precision due to the fact that by far most find locations have been recorded using hand-held GPS. In contrast, only approximately 20 per cent of the eastern finds were recorded using GPS, as the majority of finds were recovered prior to the introduction of this instrument. In addition to this, the standardisation of recording methods in the western and southern areas has been greatly helped by the well-organised detector associations responsible for most of the metal-detecting activity there, in contrast to the eastern part of the region, where metal detecting has traditionally been conducted on an individual basis or by small autonomous groups with varying skills and attitudes to the handling and recording of the finds.

Moreover, recording standards at the museums vary markedly. The area chosen for this study comprises an approximately 15-kilometre-wide zone around the fjord itself, the islands of the Limfjord, and the adjacent areas in the regions of Thy and Himmerland (See fig. 1). To add to the complexity, cultural heritage management in this area is today exercised by no fewer than six local museums, whose data is the prime source of the analysis that follows.⁴ Only two of these museums have followed the same standards of recording and methods, and standards have changed and improved significantly over the years. Not least, photo documentation has improved with the use of digital

³ In particular, in the region around Holstebro, one detectorist was very active from very early on (Helles Olesen 1992).

⁴ This could of course have been avoided by using only the recordings of the National Museum. However, that would have meant leaving out a considerable number of finds, as these have been recovered within the last few years and thus have not yet been recorded there, not to mention all the more modest finds never sent off to the National Museum.

photography. Still some museums shoot photos only of a few selected objects, whereas the majority today have digital records with photos of all objects.⁵ This last aspect has had a major impact on the present study, since the majority of information has been derived from the records of the local museums and only a fraction of the finds have been studied directly. Twelve per cent has been examined physically. Sixty per cent have been recorded from museum records containing photos of the objects, and data on twenty-eight per cent of the brooches comes exclusively from the written records of the local museums. Furthermore, not only do standards vary, but so do software solutions. Although always digital, the museums have various combinations of databases and GIS software to handle the growing number of detector finds.

The physical check frequently allowed a more detailed description than initially performed at the local museum, but less than 1% of these secondary evaluations lead to decisive alteration of typological character or dating. This is, if leaving aside a few “systematic disagreements” – e.g. the referral of Urnes-style brooches to the Viking Age (previously the earliest of these were thought to stem from the late tenth century (Gjedssø Bertelsen 1994), but today there is little reason to maintain this early date as none of these brooches can be definitely dated this early).

The brooches in this study have been recovered at 111 different sites. Eighty-two per cent of them, however, stem from 16 of the most metal-rich sites, situated within a range of six kilometres of the coast of the Limfjord or to the west and east of the North Sea coast and the Kattegat coast (see Figure 1). Clearly, large areas within the region have never been surveyed; but because information is lacking on the surveyed areas with no finds, any argument relying on negative evidence may be questioned. However, no doubt the concentration of finds in the coastal zone to some degree reflects tendencies of ancient depositional patterns, though likely somewhat exaggerated by the detectorists’ tendency to survey areas in which they have previously been successful.

The metal-detected brooches have almost exclusively been recovered in cultivated fields in the surroundings of existing villages, typically with Romanesque churches testifying to roots at least as deep as the twelfth to thirteenth century. But the majority of the detector sites have been only modestly investigated beyond the surveys conducted by the private detectorists – in many cases, not at all. A few have been investigated through excavations to varying extents, and everywhere the metal finds seem to be connected to plough layers covering settlements or to the fields in the vicinity of these. At a few sites, the remains of burial grounds have also been located in the vicinity of the settlements.

5 Unfortunately, the photo recording conducted at the local museum is in most cases a speedy process involving one frontal picture of each object. Only rarely do the records contain photos of the reverse side of the objects.

To conclude, the record studied here is very heterogeneous and in some respects geographically skewed. This limits the utility of the data. However, in many perspectives, this limitation is compensated for by the size of the record.

The brooches from the Limfjord region

In total, data on 1,859 metal-detected brooches dating to 400–1150 AD has been collected from the local museums in the survey area,⁶ and these brooches thereby represent 9 per cent of all recorded metal-detector finds from the region.⁷ As a consequence of the poor quality of the record, a large proportion of the brooches, those with only a minimum of description and no photo, can only be broadly categorised and dated within the main phases. In contrast to these, a considerable proportion of the brooches dating to the Late Germanic Iron Age and the Early Viking Age can, due to a combination of good recordings and fine chronologies, be dated within even finer timeframes. If we visualise this by dividing the brooches evenly into phases of 25 years within their dating frames, a striking boom during the late sixth century stands out in particular.

Brooches of the Early Germanic Iron Age (AD 400–530)

The Early Germanic Iron Age brooches include 220 whole or more or less fragmented pieces. These brooches represent more than 90 per cent of all metal-detector finds from the region dated to this period. One fragmented relief brooch is made of gilt silver, but the remaining 219 pieces appear to be copper-alloy products; however, one is gilded and another tinned.⁸ By far, the majority are cruciform brooches, and the rest are an extremely heterogeneous group representing several unique pieces (see Table 2).

6 Data collection has been conducted during 2014–15 in connection with an ongoing PhD project. All finds from the entire region recorded at local museums prior to mid-2014 are included. Furthermore, finds from the Vester Vandet site, recorded in the second half of 2014 and 2015, are included. 64 whole or fragmented brooches have been left out of the study owing to poor dating. They are either broadly dated to several of the main periods or to the full period of the study.

7 The total number of recovered finds is far larger, as all detectorists do a rough sorting in field of what is interesting and what is not, as is done by the archaeologists at the local museums prior to recording when the finds are handed in. Despite this process, it is fair to assume that by far the majority of the typically easily recognisable brooches recovered have been recorded. However, small uncharacteristic fragments are probably underrepresented because of this sorting process.

8 The determination of the alloys has predominantly been made through visual inspection conducted by staff at the local museums. As, for example, Unn Pedersen's investigation of the metal finds from Kaupang has demonstrated, this method is highly unreliable, especially in case of the copper-alloys (Pedersen 2015: 74).

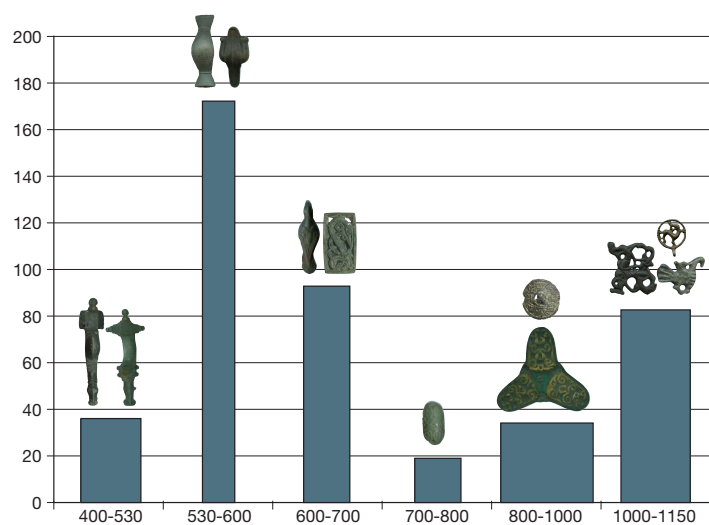


Table 1: Frequency of brooches (per quarter-century) recovered through metal detection in the Limfjord region. The column widths indicate the varying time spans of the periods and the most common brooch types are depicted. Not to scale (Graphics: Louise Hilmar, Moesgaard Museum) <http://files.webb.uu.se/uploader/1338/JAAH--24--Tab--1.pdf>

Type	Whole	Fragment	State unknown	Total
Cruciform brooch	23	125	15	163
Crossbow brooch	3	0	0	3
"Fake" crossbow brooch	0	3	0	3
Relief brooch	1	1	1	3
Small long-brooch	2	2	0	4
Dreirundel brooch	1	0	0	1
Other and unknown types	3	34	7	45
Total	33	165	23	222

Table 2: Composition of the record of metal-detected brooches from the Early Germanic Iron Age. <http://files.webb.uu.se/uploader/1338/JAAH--24--Tab--2.pdf>

163 cruciform brooches have been recorded in the Limfjord region, and the variance of these is very pronounced⁹ – the poor preservation of the majority of the brooches makes it difficult to evaluate exactly how pronounced. In a modest 23 of 148 cases where the state of preservation can be determined from the records, the brooches are intact – that is apart from the pin construction, which is most often represented only by small patches of rust on any brooch recovered in the rough environment of the plough layer. Frequent types in the Limfjord region appear to be cruciform brooches with round top knobs cast on the head plate and missing, hence probably loose, side knobs (23 pieces – see, for example Figure 2a). Another eye-catching feature is small simple lappets of varying shapes on the sides of the upper end of the foot, present on 13 brooches (see, for example Figure 2b-c).

In western Scandinavia, the cruciform brooch is generally perceived as a main type characterising the Early Germanic Iron Age, and so far, attempts to build a more detailed general chronology for the cruciform brooches have to some degree been unable to overcome the extreme heterogeneity of the material.¹⁰

⁹ Fragments of brooch feet with animal heads included.

¹⁰ The most comprehensive published works on the cruciform brooches was performed by

In essence, a firm framework for a more detailed chronological division of the cruciform brooches is presently not available. Hence, in the present paper the cruciform brooches have all been broadly assigned to the Early Germanic Iron Age.

The remaining group of brooches is, as mentioned, very mixed, and many are probably imports. Three “fake” crossbow brooches with cast imitation of the transverse string by the head of the brooch (See, for example Figure 2d) have most parallels in the Scandinavian part of the Baltic region (Klindt-Jensen, Möhl & Helbæk 1957: 119, Fig. 89.5; Strömberg, 1961: 31, 1b). This may also be in case of three crossbow brooches, however one is an “Ozingell brooch,” a type that in low numbers has been found broadly distributed across large parts of north-western Europe (Hårdh 2003: 52, fig. 4; Schulze-Dörlamm 1986: 620, fig. 30). Another is a brooch with a very characteristic spiral foot, ending in a bird’s head with curved beak (Figure 2i). No direct parallels to that have been found, but the “Vierknopffibel mit Vogel-Fussplatten” from Thüringen could have been the source of inspiration (Behm-Blancke 1973: taf. 88). Two brooches with rectangular head plates and characteristic spade-shaped feet (see, for example Figure 2e) as well as a fragmented example that must have been almost identical belong to the group of small long-brooches. However, the major part of the heterogeneous material is either unique to the Limfjord region, too fragmented or too poorly described to allow further determination. Noteworthy are an equal-armed brooch with animal heads at both ends, with nearest parallels on Gotland (Fig. 2g), and a gilt “dreirundel brooch” probably inspired by brooches from Thüringen (Behm-Blancke 1973: taf. 110; Nerman 1935: taf. 9, 68).

The brooches of the Late Germanic Iron Age (AD 530–800)

797 brooches or fragments of brooches are dated to this period, and these are almost exclusively made of copper alloys. However, one is of lead, and furthermore 61 are tinned and 20 gilt.¹¹ Compared to the foregoing period, the inventory of brooches here undergoes a radical change. The number of brooches increases dramatically, and the brooches of the region are now almost entirely restricted to a few types well known across most of south-western Scandinavia.¹² The boom and the radical standardisation are particularly pervasive during the initial phase of the period in the second half of the sixth century, underlined by the abundant number of often rather coarse (simple decoration

Reichstein and Bode (Reichstein 1975; Bode 1998), but the broad variety of brooches found in the Limfjord region cannot be fitted into either of their systems of categorisation. Hårdh has also shown that Bode’s system, the most recent attempt to categorise the cruciform brooches, cannot grasp the variance within the cruciform brooches found at Uppåkra (Hårdh 2003). See also (Høilund Nielsen 1984).

11 These figures can clearly only be expected to be a rough guide, as the initial recordings of the local museums occasionally omit to mention tinning and gilding even when actually present – sometimes simply because it is not visible before a thorough cleaning of the object, which in most cases is carried out in the National Museum.

12 The division has been conducted primarily according to Karen Høilund Nielsen’s types, based on a simplification of Mogens Ørsnes’ thorough work from the 1960s (Høilund Nielsen, 1987; Ørsnes, 1966).

and often rough surface) small equal-arm brooches and the beak brooches (see Table 3). However, within the main types, variation is considerable regarding shape, size and decoration. Less frequent in the early phase are the circular plate brooches with simple stamp decoration or furrows, and S-shaped plate brooches. The latter group is perhaps the most varied, and in addition to ten copies of Karen Høilund Nielsen's (KHN's) commonly known type L1a, this group comprises at least 12 double-headed L1b S-shaped brooches of varying forms. Several of these have vaguely marked heads and a more oblong oval outline (see, for example, Figure 2p-q), presumably reflecting a gradual transition to the oval plate brooches with the twin snakes biting their bodies – a type very common in the region (Høilund Nielsen 1987).



Figure 2: Selection of brooches from the Germanic Iron Age found by metal detectorists in the Limfjord Region: (a–i) Early Germanic Iron Age, (j–ad) Late Germanic Iron Age. a) Cat. no. 102, b) Cat.no. 113, Cat.no. 86, d) Cat.no. 211, e) Cat.no. 34, f) Cat. no. 209, g) Cat.no. 208, h) Cat.no. 17, i) Cat.no. 45, j) Cat.no. 712, k) Cat. no. 644, l) Cat.no. 302, m) Cat.no. 245, n) Cat. no. 268, o) Cat.no. 959, p) Cat.no. 967, q) Cat. no. 964, r) Cat.no. 948, s) Cat.no. 582, t) Cat. no. 598, u) Cat.no. 560, v) Cat.no. 946, w) Cat. no. 742, x) Cat.no. 544, y) Cat.no. 534, z) Cat. no. 520, aa) Cat.no. 834, ab) Cat.no. 891, ac) Cat. no. 900, ad) Cat.no. 984, ae) Cat.no. 1007, af) Cat. no. 1014, ag) Cat.no. 230, ah) Cat.no. 1012 (Graphics: Louise Hilmar, Moesgaard Museum). <http://files.webb.uu.se/uploader/1338/JAAH--24--Fig--2.pdf>

During the later phases, this strict standardisation is relaxed. The brooches still belong to a few standard types – in the seventh century mainly oval and rectangular plate brooches and bird brooches – but shape, decoration and quality vary profoundly. Despite variation, the extremely coarse impression left by the poorest of the sixth-century brooches now seems to be gone.¹³ One feature that underlines the diversity is the finish of the surface of the brooches. Gilding and particularly tinning is increasingly popular. Whereas in the preceding decades only a few selective brooches, primarily S-shaped and circular plate brooches and the luxurious button-on-bow brooches, were extraordinarily prepared in this manner, now this way of secondarily improving the look of the cast brooches is becoming fairly common. However, as previously noted by Henriksen and Gramtorp, this extra refinement of the surface is mainly restricted to a few types (Gramtorp & Henriksen 2002) – in the Limfjord region, predominantly to the rectangular and oval plate brooches and the bird brooches. The use of gilding is especially biased, as more than 70 percent of the Late Germanic gilt brooches that can be determined are rectangular plate brooches. Moreover, the more heterogeneous picture left by the seventh-century brooches is enhanced by the presence of a few horse- and swan-shaped plate brooches of individual character.

The eighth century is characterised by a remarkable decrease in the number of brooches. These are mainly various kinds of domed brooches, and by far the majority consist of small tortoise brooches. Many are severely corroded, but the general impression is one of profound variation. However, the group does contain at least four very similar brooches of KHN type N1e, characterised by an interlaced single or double line at the centre of the brooch (see, for example Figure 2ae-af).¹⁴

Finally, a few brooches dated to this period appear to be foreign in origin. However, imported jewellery in the Late Germanic Iron Age seems to be restricted to interregional Scandinavian products. Three domed circular brooches (KHN type M) have most parallels in northern Scandinavia (Ørsnes 1966: 148), and a series of different brooches apparently originate in south-eastern Scandinavia. This is definitely the case of a Gotlandic animal-head brooch, and a circular openwork brooch (KHN type S2C) and a snake brooch (Figure 2r) of KHN type L2A probably represent imports from around the same region too (Arrhenius 1960; Høilund Nielsen 1991; Nerman 1969-75).

13 Coarser brooches did actually exist. Several simple rectangular brooches made of iron covered by a thin copper-alloy plate have been found during excavation at some of the sites and seem to have been rather common (Mikkelsen et al 2008: 81–82; Nielsen 2002: 206, fig. 8C; Sarauw & Trier Christiansen 2014: 132, fig. 6D). However, these are never recovered by the private detectorists, who discriminate between alloys and only very rarely (most often only accidentally) investigate iron signals.

14 Martin Rundkvist, who has most recently studied the small tortoise brooches, has termed these N1e variant 2 and 3 (Rundkvist 2010: 143).

Type	Whole	Fragmented	State unknown	Total
Equal-arm brooch - KHN type F	84	32	18	134
Beak brooch - KHN type G	76	153	25	254
Circular plate brooch KHN type I	12	8	7	27
S-shaped plate brooch – KHN type L1	14	13	3	30
Snake brooch – KHN type L2	1	0	0	1
Circular domed brooch - KHN Type M	2	1	0	3
Disc-on-bow brooch – KHN type E2	0	4	2	6
Eupalet-shaped brooch – KHN type J3	1	0	0	1
Rhombic plate brooch	1	0	0	1
Gotlandic open-work circular plate brooch	1	0	0	1
Oval plate brooch – KHN type J	8	45	4	57
Bird-shaped plate brooch - KHN type L3	5	4	1	10
Bird brooch - KHN type D	31	43	9	83
Rectangular plate brooch – KHN type K	12	68	5	85
Swan-shaped plate brooch	1	1	1	3
Horse brooch	0	4	4	8
Serrated plate brooch	1	0	0	1
Animal-shaped tortoise brooch – KHN type O	1	3	0	4
Gotlandic animal head brooch	1	0	0	1
Tortoise brooch - KHN type N	17	18	5	40
Hatchured equal-arm brooch - Callm. Type Store Köpings	0	4	0	4
Open-work plate brooch consisting of four animal heads	1	0	0	1
Undetermined fragments	0	27	15	42
Total	270	428	99	797

Table 3. The composition of the metal-detected brooches from the Late Germanic Iron Age. <http://files.webb.uu.se/upload-er/1338/JAAH--24-Tab--3.pdf>

The brooches of the Viking Age/ Early Middle Age (AD 800–1150)

The find records contain 840 brooches or brooch fragments dated to between the ninth and thirteenth century. 798 are copper-alloy pieces, and 27 of these are recorded as tinned, another 54 as gilded. The record also contains 33 silver brooches or fragments of such, and the majority of these are large, high-class Urnes-style brooches.¹⁵

Type	Whole	Fragmented	State unknown	Total
Tortoise brooch	0	21	1	22
Hilt-shaped brooch	0	3	0	3
Tongue-shaped plate brooch	1	7	0	8
Valkyrie brooch	1	0	0	1
Råhede-Type brooch	0	2	0	2
Trefoil brooch	9	63	13	85
Equal-armed brooch	1	32	7	40
Large circular brooch (domed)	0	1	0	1
Small circular brooch (domed or plate)	30	19	16	65
Lozenge brooch	4	1	0	5
Coin brooch	2	0	1	3
Enamel brooch with cross motif – Wamers type 1–4	20	6	0	26
Animal plate brooch (related to Urnes-style brooch)	11	4	0	15
Disc brooch with one or several mountings (Carolingian-Ottonian type)	52	7	2	61
Plateau build enamel brooch (Carolingian-Ottonian type)	5	5	0	10
Anglo-Saxon/ Southern Scandinavian cloisonné brooch	4	5	0	9
Urnes-style brooch	61	94	39	194
Bird-shaped brooch	56	15	15	86
Open-work animal brooch (Aalborg type)	63	15	4	82
Lamb of God brooch	6	3	19	28
Circular sheet metal brooch	17	2	1	20
Fragments and unknown types	13	29	32	74
Total	356	334	150	840

Table 4: Composition of metal-detected brooches from the Viking Age and the Early Medieval Period. <http://files.webb.uu.se/upload-er/1338/JAAH--24-Tab--4.pdf>

¹⁵ An additional three are recorded as possible silver objects.

Although the Viking Age material from the ninth and tenth century comprises a wide range of brooches often few in number, the record is dominated by a few main types of which the trefoil, the small circular brooches decorated with Borre-style animals or interlacing, and the equal-armed brooches are by far the most frequent (see Table 3). The brooches within these categories vary considerably. However, proper categorisation and comparison is, especially in the case of the equal-armed brooches, not possible for large parts of the material due to pervasive fragmentation. Even basic estimation of the original number of brooches is a challenging task. Only one of the equal-armed brooches is recorded as intact, and most of the fragments are small, broken-off ends of the brooches.

Despite this variation, particularly the trefoil brooches reveal some level of standardisation, as fairly small, similar brooches with simple geometric ornamentation belonging to Maixner's type G group are very frequent (30 pieces) (Maixner 2005). Once again, detailed comparison is difficult as the trefoil brooches too are most often in a poor state of preservation, typically being represented only by broken-off lobes or the massive triangular centrepiece.

The brooches of the eleventh and twelfth centuries are dominated by four main types, within which there is some variation. Despite this, the general impression left by the record is one of markedly increasing standardisation. This is an impression probably enhanced, to some degree, by the large numbers of some of the brooches compared to the frequency of brooches from the preceding centuries.

The Urnes brooch or Urnes-style brooch – whose name is slightly misleading as some pieces are actually depicting Mammen-style and Ringerike-style animals (Gjedssø Bertelsen 1994) – is by far the most heterogeneous group. Style and quality as well as size vary, from small, crude pieces with animals so stylised that they are hardly recognisable, to large, often silver or tinned/gilt copper-alloy top-class pieces with elaborate and detailed ornamentation. Even the basic form of the Urnes-style brooches varies, as a small group of these are not made of a network of threads of animal extremities but are simpler copies made as openwork plate brooches. The latter group consists of 13 profoundly similar pieces depicting Mammen/ Ringerike-style animals (see, for example Figure 3k);¹⁶ five other slightly atypical brooches of varying forms but all characterised by a distinct S-shape appear related to these plate brooches.

In contrast, the small openwork circular animal brooches of the Aalborg group (see, for example Figure 3ac) display an almost extreme uniformity, as already noted by Gjedssø Bertelsen in the early 1990s. When she presented her study, a modest 29 copies of this brooch had been recovered across Denmark. Today, detectorists have handed in 82 from the Limfjord region alone.¹⁷

¹⁶ My thanks to Else Roesdahl and James Graham-Campbell for comments on the animal styles.

¹⁷ The number is probably somewhat higher, as some museums have not distinguished between these and the related Lamb of God brooches.



Figure 3: Selection of brooches from the Viking Age and the Early Middle Ages. a) Cat.no. 1269, b) Cat.no. 1098, c) Cat.no. 1105, d) Cat.no. 1310, e) Cat.no. 1293, f) Cat.no. 1174, g) Cat. no. 1208, h) Cat.no. 1206, i) Cat.no. 1057, j) Cat.no. 1182, k) Cat.no. 1028, l) Cat.no. 1657, m) Cat.no. 1778, n) Cat.no. 1741, o) Cat.no. 1849, p) Cat.no. 1400, q) Cat.no. 1064, r) Cat.no. 1202, s) Cat.no. 1085, t) Cat.no. 1342, u) Cat.no. 1196, v) Cat.no. 1377, w) Cat.no. 1536, x) Cat.no. 1535, y) Cat.no. 1414, z) Cat.no. 1425, aa) Cat.no. 1435, ab) Cat.no. 1664, ac) Cat.no. 1652, ad) Cat.no. 1663 (Graphics: Louise Hilmar, Moesgaard Museum). [http:// files.webb.uu.se/upload-er/1338/JAAH--24--Fig--3.pdf](http://files.webb.uu.se/upload-er/1338/JAAH--24--Fig--3.pdf)

However, in this case the general impression presented by Gjedssø Bertelsen in the 1990s remains unchanged (Gjedssø Bertelsen 1992). The Aalborg group animal brooches do appear extremely abundant in the Limfjord region, and most of them appear so uniform that it seems likely that they were

produced in one or a few workshops in the region, or were produced from copies of a few models. The only noticeable variation is the imitated beaded rim of a few pieces.

In addition to the brooches of local Scandinavian character, the record also contains a series of imports from more distant areas during the Viking Age and the Early Medieval Period. Most common are the many different small disc brooches of Carolingian-Ottonian type (see, for example Figure 3r-v), which seem to indicate intensive connections to north-western continental Europe (e.g. Baastrup 2005; Frick 1993). The number and spread of these suggests that they were worn frequently, which signals a markedly changed attitude towards foreign jewellery compared to the preceding centuries. Unfortunately, the number of these recovered in a dated context is very modest. Hence, they are in most cases very broadly dated from the ninth to the late twelfth century, and the time of their introduction in Denmark is therefore uncertain.¹⁸ However, the absence of such brooches in the find-rich early ninth-century layers of Ribe seems to suggest that the flow of these brooches to the north did not, at the earliest, start until the second half of the ninth century (Feveile 2011: 151).

Production and distribution of brooches in the Limfjord region

Detectorists have recovered the possible traces of non-ferrous workshops in the form of little bits and pieces of melted metals at many sites scattered across the region, and a few of the numerous excavations carried out at the settlements in the region have also yielded traces of non-ferrous metal workshops (See Figure 5). However, apart from the obvious conical pieces of spillage from the casting process, the little bits and pieces of melted metal may not actually represent waste from workshops, still less production of jewellery, and they are, moreover, impossible to date when derived from sites typically characterised by find material dated with general dating frames stretching over millennia. This latter problem also applies significantly to the find material from the excavations, as this consists exclusively of broadly dated finds such as raw materials, waste products, and crucibles. More direct evidence of the production of specific types of jewellery in the form of moulds with recognisable negative imprints of the cast objects is absent - probably in some incidents due to coarse excavation methods. Additionally, perhaps, owing to systematic recycling of the moulds and the use of an organic component in the moulds, as suggested by Hedegaard (Hedegaard 1992: 80–81). In addition to these scarce and merely indicative sources and the general impression left by the abundant number of brooches, a few somewhat firmer observations

¹⁸ Enamel brooches with a cross motive have actually been recovered south of Denmark in datable contexts. These seem to belong in the ninth and tenth century. The remaining types are more broadly dated (Baastrup 2005; Frick 1993).

pointing to the actual production of brooches in the Limfjord region can be derived from the record of the metal-detector finds.

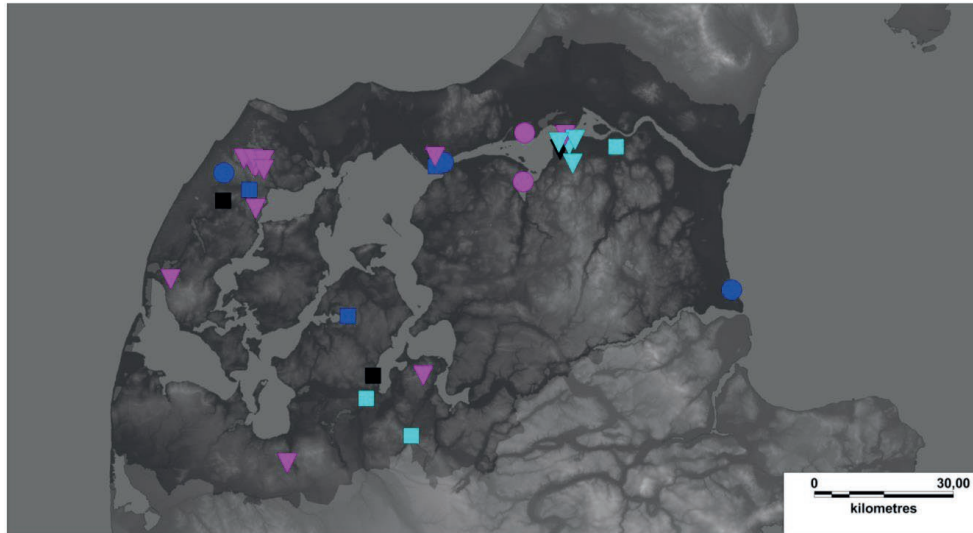


Figure 4: Distribution of traces of non-ferrous workshops and traces of production of brooches. Dot = model for brooch, triangle = unfinished brooch/model, square = excavated workshop/ other tool for non-ferrous metal work. (Turquoise = Germanic Iron Age, Blue = Viking Age, Purple = Early Middle Ages, black = Late Iron Age/Early Middle Ages) © Geo-datastyrelsen. <http://files.webb.uu.se/uploader/1338/JAAH-24-Fig-4.jpg>

Production in the Early Germanic Iron Age

None of the brooches dated to the Early Germanic Iron Age are recorded as showing indications of being unfinished, and traces of the production of brooches in this period have not been found in the Limfjord region.¹⁹ Yet given the number of brooches, a widespread production across the region appears to have been likely. A more thorough investigation of styles and technical details of especially the cruciform brooches may potentially reveal interregional differences. That is, however, not possible solely on the basis of the often rather coarse records of the local museums. On the other hand, the pervasive variation of the material seems to follow the general trend of the period, and perhaps the mixed impression points to mobile or at least highly communicative craftsmen, who have been suggested by several scholars to be prevailing in these centuries (e.g. Carnap-Bornheim 2001; Hines 1997: 222; Pedersen 2015: 45).

Actually, one find directly pointing to the presence of non-ferrous craftsmen in this period has been recovered in the region – a matrix for the production of D-bracteats. This has been recovered at the Postgården site adjacent to Sønder Tranders, near Aalborg to the east (Johansen 1992: 85).

¹⁹ Five brooches show more or less pronounced signs of secondary exposure to heat. However, this could just as well be the effects of a funeral pyre as signs of melting for reuse of the metals.

Production in the Late Germanic Iron Age

Indisputable traces of the production of brooches are also sparse in the find material from the Late Germanic Iron. However, numbers are increasing and distribution patterns suggest the existence of local workshop environments. At Øster Vandet in the western end of the region, detectorists have recovered a patrice for the production of gold foil figures dated to around AD 600. In addition to this, the record of finds from the late sixth century and the following centuries, the Late Germanic period, contains a few finds indicative of the production of brooches. At Nørholm to the east, the most productive of the detector sites in the region, detectorists have recovered two unfinished beak brooches (Figure 6a–b) and a miscast small tortoise brooch. Finally, the neighbouring site, Sønderholm, has in addition yielded a beak brooch that was probably miscast.

Furthermore, several types of brooch from the sixth to eighth century display more or less skewed distribution patterns, indicating interregional variation of preferences and probably also variance of production. The site Øster Vandet in Thy in the north-western part of the region has yielded seven of a total of 26 circular plate brooches (see, for example, Figure 2s) found in the region, and a further three more badly corroded pieces probably belong to the same category. One fragmented piece is of lead, which is highly atypical. Rust on the reverse side indicates that a pin was at some point mounted on it, but this may just represent the last final use of an older model for the production of these circular brooches. However, the later rectangular and oval plate brooches display the most biased distribution patterns. These are clustered in the eastern part of the region, the seventh-century oval plate brooches to such an extent that all 57 recovered by metal detection in the region so far have appeared at sites to the east (Fig. 5).²⁰ An additional two found during the excavation of pit-houses at the Bejsebakken site strengthen this biased distribution pattern (Sarauw, forthcoming: 147). Two possible fragments of oval plate brooches recovered at the detector site Vester Vandet and one found during the investigation of the Trabjerg settlement towards the south-west are the exceptions that confirm the rule (Bender Jørgensen & Eriksen 1995: 46, Fig. 28). This extremely skewed spread may to some extent be the product of varying conditions of preservation at the sites, as many of the sites in the western end of the region have thick well-preserved cultural layers in which the seventh- and eighth-century deposits typically constitute the oldest and hence best-protected layers.

20 Two small fragments, one found at Vester Vandet and one recovered at the Øster Vandet site in Thy, might also be fragments of oval brooches. Nevertheless, it cannot be ruled out that the fragments belong to S-shaped brooches.

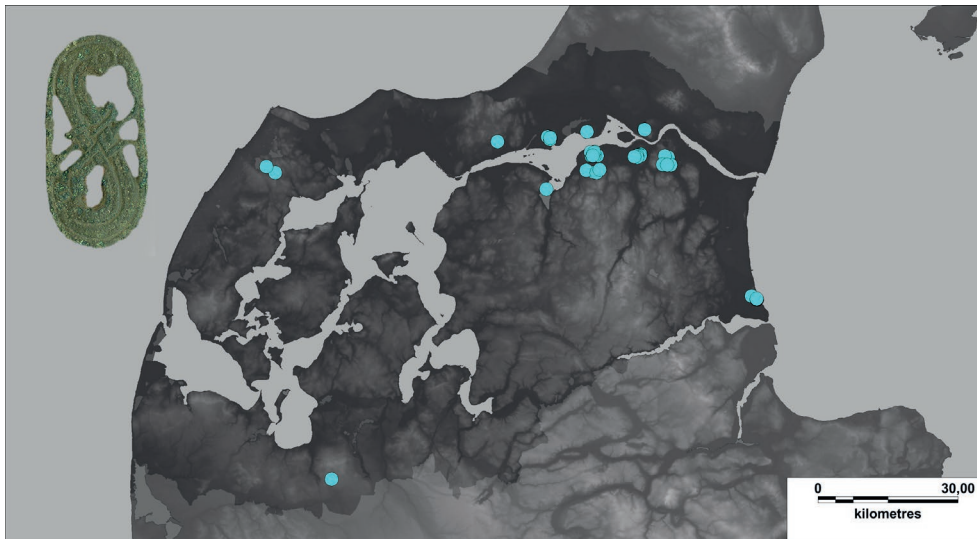


Figure 5: Distribution of oval plate brooches (KHN type J) in the Limfjord region (Graphics: Kirsten Bach Larsen, Nordjylland Historiske Museum) © Geodatastyrelsen. <http://files.webb.uu.se/uploader/1338/JAAH--24-Fig--5.jpg>

Brooches from these centuries may thus be somewhat underrepresented in the record. Yet the skewed distribution appears so marked that, to some degree, it must reflect patterns formed during the Late Germanic Iron Age. Above all, it contributes to a general impression of diverging developments in the east and at the western end of the fjord, involving what appears to be the ascendancy of a productive and innovative non-ferrous workshop environment during particularly the seventh century in the eastern part of the region. In the western part, by contrast, production seems to have decreased and the range and quality of brooches to have been modest. However, the extent of this decrease is highly uncertain. Not just the fact that disproportionately many brooches in the western part of the region may still be in situ in preserved cultural layers, but also varying local environmental conditions may have skewed the record. As is demonstrated below, preservation conditions are seemingly poorer at the sites to the west closest to the North Sea, which may have severely affected the typically highly fragmented plate brooches of the Late Germanic Iron Age.

In general, the abundant Late Germanic brooches, especially the numerous equal-armed and beak brooches, clearly invite future and more detailed analysis of local networks in relation to issues concerning both production and use of the brooches; again, however, that would require a better record than that delivering the information for the present study. In fact, Vang Petersen has already pointed to three brooches from the Bejsebakken site that are so similar that they were probably made from the same model, a strong indication that they were actually produced here (Vang Petersen 1991: 55).



Figure 6: Evidence of production and repair of brooches: (a–d) misasts, (e) rectangular brooch with rivets after the repair of the pin construction, (f–h) models for brooch production. a) Cat. no. 767, b) Cat.no. 231, c) Cat.no. 1855, d) Cat.no. 1567, e) Cat.no. 932, f) Cat.no. 1862, g) Cat. no. 1861, h) Cat.no. 1860 (Graphics: Louise Hilmar, Moesgaard Museum) <http://files.webb.uu.se/uploader/1338/JAAH--24--Fig--6.pdf>

Production in the Viking Age

Moving on to the Viking Age, evidence for the production of brooches in the Limfjord region is modest. Finds from the first half of the ninth century are lacking, but three master models for the production of disc brooches with Borre Style interlacing motifs have been found in three different sites. Interestingly, that corresponds to the impression left by the brooches found in the region, as next to the trefoil brooches these are the most common type of brooch here. The small circular brooches therefore most likely also represent the best basis for tracing interregional differences during this period. Unfortunately, the studied records lack detailed information of almost one-third of these, leaving only a fragmented overview of this group of brooches. However, the small circular brooches are distributed across the entire region, and the general impression left by the 46 of which there are photos is one of a strikingly rich variation. Possibly the profound variation is due to the mode of production, which to judge from the rather coarse models found must have involved some element of additional decoration, probably done individually by hand in wax models, as suggested in connection with the production of the tortoise brooches (Lønborg 1999).

A few Viking Age brooches appear so similar that they were probably made from the same model. Particularly noteworthy is a disc brooch with a distinct, interlaced geometric pattern covering the full surface. Two copies, which are virtually identical and must have been produced from the same model, have been found at Nørholm in the eastern end of the region, and a third one was recovered during excavation of the neighbouring settlement, Bejsebakken, in the late 1990s (Sarauw & Trier Christiansen 2014: 132, Fig. 6B). This surely suggests that these were most likely produced somewhere in the eastern part of the Limfjord region. Another has been found in the province of Groningen in the Netherlands, testifying to the widespread networks in which the population of the Limfjord region was engaged.²¹

Production in the Early Medieval Period

The most widespread and numerous indications of brooch production are to be found among finds from the eleventh and twelfth century. Six of the abundant Urnes-style brooches have defects from the casting or appear never to have been finished. In addition to this, a lead model for the production of these brooches was found at Sebbersund in the early 1990s, and another possible model has been recovered at Øster Vandet, the most productive site to the west. Furthermore, the Sebbersund site has also yielded a model for the production of small circular animal brooches related to that of the Aalborg type (Gjedssø Bertelsen 1992: 251, Fig. 17). The record also contains six unfinished or miscast Urnes-style brooches (see, for example Figure 6c–d), a miscast openwork animal brooch from the Early Medieval Period, and at least one additional brooch which was never completed, as it was still housed in a piece of the mould. All were found scattered across the region. Finally, a coarse openwork lead disc may be a model for brooches related to the openwork brooches of the local Aalborg type.

The widespread evidence of brooch production may indicate an increase of local brooch production during the eleventh to twelfth century. At the same time, the abundant brooches are characterised by a marked standardisation, as mentioned earlier. Despite this, the Urnes-style brooches and bird-shaped brooches in particular show some variation and several distinct subtypes are distinguishable. However, these generally seem widely distributed across the region, suggesting an intensive flow of ideas and probably also of finished products between the settlements in the region.

Finally, several brooches show traces of repair. The most prevailing evidence of repair is one or two rusty rivets visible at the ends of the brooches on the front side or holes obviously intended for riveting (see, for example Figure 6e). The rusty rivets are in most cases the result of the mounting of a new pin construction, and this rather coarse mode of repair is almost exclusively restricted to the brooches of the sixth to eighth century.

21 Stored in the Noordelijk Archeologisch Depot number G2008-II.31b. (My thanks to Nelleke IJssennagger – Fries Museum / University of Groningen, for information on the piece)

Discussion: the development of brooch production in the Limfjord region

To conclude, the abundance of brooches recovered in the Limfjord region seems to suggest that the production of brooches may have been a prevalent phenomenon across the region throughout the period AD 400–1200. The character, the scope and the frequency of brooch production are difficult to infer from the record. Thorough physical studies of the brooches, especially the backs of the objects, would no doubt shed light upon many details that are not possible to detect during a pilot study such as this. However, the varying quality of both finished and the few unfinished brooches, and the varying types of alloys worked, seem to suggest a rather varied production. The best evidence of the scope of production at the individual sites is supplied by the few excavated workshops. Apart from the evidence from the crafting and trading site at Sebbesund, which appears to signal production of a scale that implies the intention of sale to a broader market (Birkedal Christensen & Johansen 1992), the small workshops recovered at the other sites in the region seem to suggest a modest production, predominantly produced for local consumers and for a market that rarely stretched much beyond the limits of the neighbouring villages. However, the majority of the sites with small workshops have only been partly excavated, which leaves the possibility that at least some of these are parts of larger workshop areas.

In total, this is a varied and widespread production, and one which corresponds well with the results of a survey presented by Ulriksen in 2002 demonstrating that traces of non-ferrous metal work were present at almost one-third of agrarian settlements investigated in Denmark,²² as well as with the general impression of the mode of production presumed to have existed during the Viking Age put forward by several scholars in recent years (Maixner 2005: 64; Gustafsson 2013: 87–88; Kershaw 2013:132–133).²³

Of course, the broad long-term perspective presented here obscures chronological variations. There are actually several indications of changing modes of brooch production. From the remarkable change in the quality and not least number of brooches from the fifth century and the opening decades of the sixth century to the second half of that century, one might infer a development involving the change from relatively few but high-quality products to the appearance of a dramatically booming number of often rather coarse small equal-arm brooches and beak brooches. The decreasing quality and increasing number of brooches appearing during the sixth century may reflect a situation characterised by a booming local production, carried out by a growing number of craftsmen with varying skills, as earlier suggested by Hedegaard (Hedegaard 2002: 46). On the other hand, the number of similar brooches recovered in the Limfjord region implies some level of mass

²² Survey based on published information of a selection of 25 sites excavated in recent years with modern methods (Ulriksen 2002).

²³ See also Hedegaard's discussion of the different modes of production in Late Iron Age Scandinavia (Hedegaard 1992).

production, at least at some sites. This mode of production has also been suggested by Hedegaard's studies of production of the related beak brooches (Hedegaard 1989).

During the seventh century quality increases markedly again, suggesting perhaps a smaller but more skilled number of craftsmen handling production. Moreover, it is tempting to see marked interregional differences of brooch distribution as an indicator that the craftsmen were fairly stationary, even though it can of course never be completely excluded that the brooches were produced by mobile craftsmen simply responding to local preferences. The latter appears more likely during the Viking Age, as the scattered master models indicate a scale of production beyond what it must have been possible to sell locally. Yet the models may also have been the tools of local sedentary craftsmen producing with the intention of selling their product to a broader range of consumers, for example at one of the large central trading places at Ribe, Kaupang, or Hedeby in the neighbouring regions. Such a mode of production and distribution would not necessarily exclude that a large proportion of the jewellery in circulation were in fact produced in innovative and highly productive workshops in the Viking Age towns which several studies seem to suggest (e.g. Drescher 1983; Fuglesang 1987: 219; Sindbæk 2011). However, we must also expect a certain element of local production; a fact also pointed out by Fuglesang (Fuglesang 1987).

Finally, the pervasive standardisation of the eleventh- and twelfth-century brooches could indicate mass production in a few sites. However, miscasts and unfinished brooches have been found widely scattered across the region. The widespread indicators of brooch production may indicate an intensification of local brooch production. Nevertheless, if we are to trust the distribution patterns of the brooches, which appears to signal a marked unification of brooch inventory across the region, local production has been greatly influenced by general stylistic trends perhaps coming out of a few larger workshops. The few high-class Urnes-style brooches that contrast with the pattern of standardisation were probably produced at these workshops. The urban centres under development at Aalborg and Viborg would have been the likely base of such trendsetting environments.

Use, reuse, and deposition of brooches in the Limfjord region

When the reasons for the abundance of brooches at the settlements have been touched upon, the arguments have predominantly rested on two categories of observations. First, on spatial observation, such that a widespread distribution is linked to randomness, and accordingly to the notion of accidental loss. Second, on observations regarding the state of the brooches, such that either signs of deliberate breakage or high general fragmentation have led to the

conclusion that a large proportion of the brooches found at some sites were probably scrap pieces intended for recasting – lost or deposited in workshop areas. Conversely, other scholars have emphasised indications that a large proportion of the brooches found in different areas were intact on entering the soil, indicating accidental loss or perhaps even deliberate deposition. In the following, we will investigate whether some of these assumptions may also be valid in the Limfjord region.

Brooch fragmentation and the circulation of scrap metals

In the early 1990s Peter Vang Petersen presented a study of the increasing amount of find material from the Late Germanic Iron Age recovered all over Denmark, in which he argued that most of the brooches were probably either accidentally lost or deliberately deposited in the soil. He pointed to the fact that 88 percent of the brooches with preserved pin-lug showed traces of rust, indicating that the pin was still in place and the brooches probably intact when they entered the soil. This, moreover, implied that the fragmentation of many metal-detected brooches had been caused by processes of attrition inflicted by cultivation (Vang Petersen, 1991: 53). In contrast, other scholars have interpreted the pervasive fragmentation of brooches from sites such as Uppåkra, Kaupang and Stavsager as indications of metal workshop areas in which large numbers of old scrap pieces were circulating (Callmer 1999: 202; Høilund Nielsen & Loveluck 2006: 73–74; Høilund Nielsen 2011: 314; Hårdh 2003: 64; Hårdh 2011: 59–61; see also Maixner 2015). However, why is so much scrap metal *deposited* at the sites? This intriguing question is never really addressed by scholars who maintain that the fragmented brooches, or at least a considerable part of them, were scrap metals. The fact that the brooches were scrap products could, of course, have led to more careless handling of them, which potentially resulted in more spills. Nevertheless, precisely the fact that the metal was considered a resource worth collecting speaks against this – a fact that is further underlined by the chronological composition of the record. The brooches are thus most abundant during the Late Germanic Iron Age, when metal supplies appear to have been particularly short (Jouttijärvi 2002). The jewellery could of course have originated in scrap depots hidden by the craftsmen. However, had this been a commonly practised strategy, such scrap depots would probably have been recovered more frequently.²⁴ The existence of regular scrap stocks would likely also have produced marked clusters of unfinished or chopped-up artefacts, which are so far absent in the Limfjord region despite the efforts of the many busy metal detectorists. On the other hand, it could be argued that in a period characterised by increased use of scrap metal, an increase in scrap pieces at

24 To my knowledge, no such deposits have been found in Denmark. On the contrary, at the Danish site with the richest evidence of non-ferrous metal workshops, Ribe, it has been noted that copper-alloy objects were surprisingly few, even in waste layers otherwise full of traces of metalwork (Frandsen & Jensen 2006: 30). However, a few good examples of scrap metal depots have been uncovered in neighbouring countries (e.g. Jørgensen 1994: 58, fig.7; Gustafsson 2011)

production sites, as well as increased spillage of this type of raw material, would be expected. However, in the author's opinion, this contradicts normal economic behaviour at a time of shortage.

There seems to be broad consensus that cultivation is to be regarded as a major contributing factor to the attrition and fragmentation of plough-layer metal finds. Documenting the effect is, however, an extremely delicate matter. The optimal solution for evaluating the level of attrition caused by cultivation would no doubt be the comparison of a large corpus of brooches recovered from in situ contexts at one site to a large number of brooches recovered from the plough layers covering the same site, and in addition to this, preferably of the same type of brooch. The number of brooches recovered through excavations at the settlements in the Limfjord region is unfortunately far too modest to form a firm statistical base for such studies. The brooches from the Bejsebakken site, the excavated settlement having yielded most brooches in the region, may give a vague hint of the effect of the stay in the plough layer. Here, fourteen copper-alloy brooches were recovered in pit-houses during the extensive excavations in 1999 and 2000. Additionally, 161 contemporary brooches had been recovered from the plough layer by private detectorists prior to the excavation. Half of the brooches found in situ were fragmented, whereas 76 per cent of those from the plough layer were more or less damaged.²⁵

The level of fragmentation varies greatly according to the general shape of the brooches. Thus, comparison is clearly strengthened if it is made between brooches only of similar kinds. The Late Germanic rectangular brooches were the most frequent type of copper-alloy brooch recovered during the excavations at Bejsebakken. Four were found during the investigations, and another 15 through metal detection of the plough layer. Half of the rectangular brooches found in situ were fragmented, whereas this was the case for two-thirds of those that were recovered through metal detection.²⁶ Relying on numbers this low, the result is questionable. However, through comparison of objects from excavations and plough-layer metal-detector finds from the Lundsgård site on Funen, Henriksen has demonstrated the same tendencies (Henriksen 2000b: 19).

Another feature of the excavated brooches from Bejsebakken that differs markedly from the metal-detected brooches is the general preservation of the surface, which is significantly better on brooches that never entered the plough layer.²⁷ If comparing the general preservation of the surface of the brooches recovered through metal detection in the Limfjord region to the level of fragmentation,²⁸ there appears to be a distinct relationship between the degree

25 131 of the metal-detected brooches were followed by sufficient data to evaluate the state of preservation.

26 Data on the level of fragmentation only available for 12 of the brooches.

27 Half of the 14 brooches found in situ had well-preserved surface (according to the definition in note 27).

28 1 214 brooches were followed by sufficient data to evaluate both variables (fragments of same brooch only counted as one). Surface variables: well-preserved surface = less than 10% of surface corroded. If gilded or tinned, at least two-thirds of the secondary surface treatment still preserved. Inlays may be fully or partially missing; partially preserved surface = more than 10%

of fragmentation and the degree of surface degradation (see Table 5). Assuming the state of the surface to be a rough guideline of the level of attrition to which the brooches have been exposed, this also seems to imply that pervasive fragmentation is linked to the general state of preservation and clearly affected by the stay in the plough layer rather than being the result of pre-depositional events.

	Whole	Large fragment	Small fragment	Total
Well-preserved surface	107	55	24	186
Partially preserved surface	319	218	180	717
Degraded surface	104	131	103	338
Total	649	479	388	1,241

Table 5: Fragmentation and surface degradation of brooches from the Limfjord region.
<http://files.webb.uu.se/uploader/1338/JAAH-24-Tab--5.pdf>

One of the factors that is generally problematic to handle is the effect of time. Given the processes of attrition active in the plough layer, the general state of preservation of the metal-detected objects must also to some extent reflect the duration of the stay in the plough layer. This important factor is difficult to study and document properly, as other decisive variables may have affected the formation of the record of metal-detected finds over the years. First of all, it is impossible to assess when an object was pulled out of the original context and into the plough layer. Secondly, equipment has improved and the detectors of today can detect smaller and thinner objects than their predecessors (e.g. Moesgaard 2012: 115). Thirdly, the chances of recovering an object improves with increasing size, meaning that assemblages from sites metal-detected over a period of many years will under ordinary circumstances reveal a tendency towards increasing fragmentation of the recovered finds (e.g. Dobat 2010: 149). Haldenby and Richards, who have studied the attrition of plough-layer metal finds from Britain, have overcome the latter two issues by, in the first place, studying only the finds from sites surveyed by the same detectorists using the same metal detectors for two decades, and in the second place, focusing on the state of certain types of pin which, in terms of detectability are affected only modestly by fragmentation. It is perhaps not surprising, but nevertheless important, that these studies have demonstrated that fragmentation increases during the stay in the plough layer (Haldenby & Richards 2010).

of surface corroded but parts of original surface still preserved; degraded surface = rough and corroded across entire surface. All fine ornamentation and secondary surface treatment gone. Fragmentation variables: Whole = intact – but pin may be missing; large fragment = > half; small fragment < half.

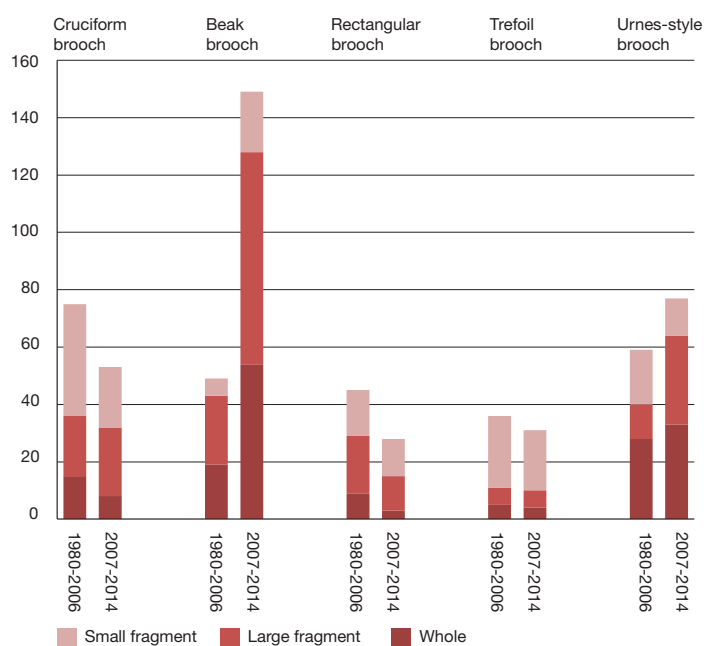


Table 6: Development of fragmentation of some of the most frequent types of brooch. <http://files.webb.uu.se/uploader/1338/JAAH-24-Tab--6.pdf>

The tendency towards growing fragmentation is roughly discernible in the find record from the Limfjord region. If we compare the development of fragmentation of some of the most frequently found brooch types, the ratio of fragmented to intact brooches has in most cases increased during recent years, but only by between 1 and 9 per cent (see Table 6).²⁹ What is much more markedly illustrated by the mapping of fragmentation is the striking variation in preservation between the different categories of brooches. Only around 55 to 60 per cent of the beak brooches and the Urnes-style brooches are fragmented, whereas among the rectangular plate brooches and trefoil brooches approximately 15 per cent are intact.

The Early Germanic cruciform brooches recovered during the most recent years break this pattern as they are in slightly better condition than those recovered prior to 2007. This probably reflects the fact that general studies (as presented in Table 5) disguise variation due to local conditions, with soil acidity and the different strategies of cultivation practised being important parameters.³⁰ The most profound differences in the general state of preservation are to be found between the poorly preserved brooches from sites closest to the North Sea coastline to the west (Vang and Vestervig), where soils are sandy, and the better preserved ones in the central part of the Limfjord region, situated on the chalky hills of Nørholm/Mellemholm and Øland. This contrast suggests that local environmental conditions have affected the metal finds quite radically. Table 7, which illustrates this, includes all brooches

²⁹ Fragments of the same brooch only counted as one (the largest piece counted in). Thirteen plate Urnes-style brooches were excluded to avoid biasing due to their fundamentally differing shape. For definition of levels of fragmentation, see note 27.

³⁰ In the most extreme cases, the effect of differing local conditions can be detected with single objects, as illustrated by the partial degradation of a bird brooch from Søgård in Thy (THY 6135X1). Half of the front of this brooch is well-preserved, whereas the other half is completely deteriorated.

found at the sites between 2006 and 2014; when these are narrowed down to specific types, the varying degree of fragmentation between the different sites becomes even more apparent. At Vestervig only one in eleven cruciform brooches is intact and seven are categorised as “small fragment,” in contrast to the cruciform brooches from Nørholm, where five of 14 are intact and only four are “small fragments.” Such variation could potentially generate seriously misleading results from an uncritical comparison of assemblages from different sites, as well as during comparative studies of different types of objects found at same site. The cruciform brooches, other bow brooches and large thin brooches like the Late Germanic plate brooches, together with the tortoise, equal-arm and trefoil brooches of the Viking Age, are the types of brooch that might be expected to have suffered most severely from harsh conditions.

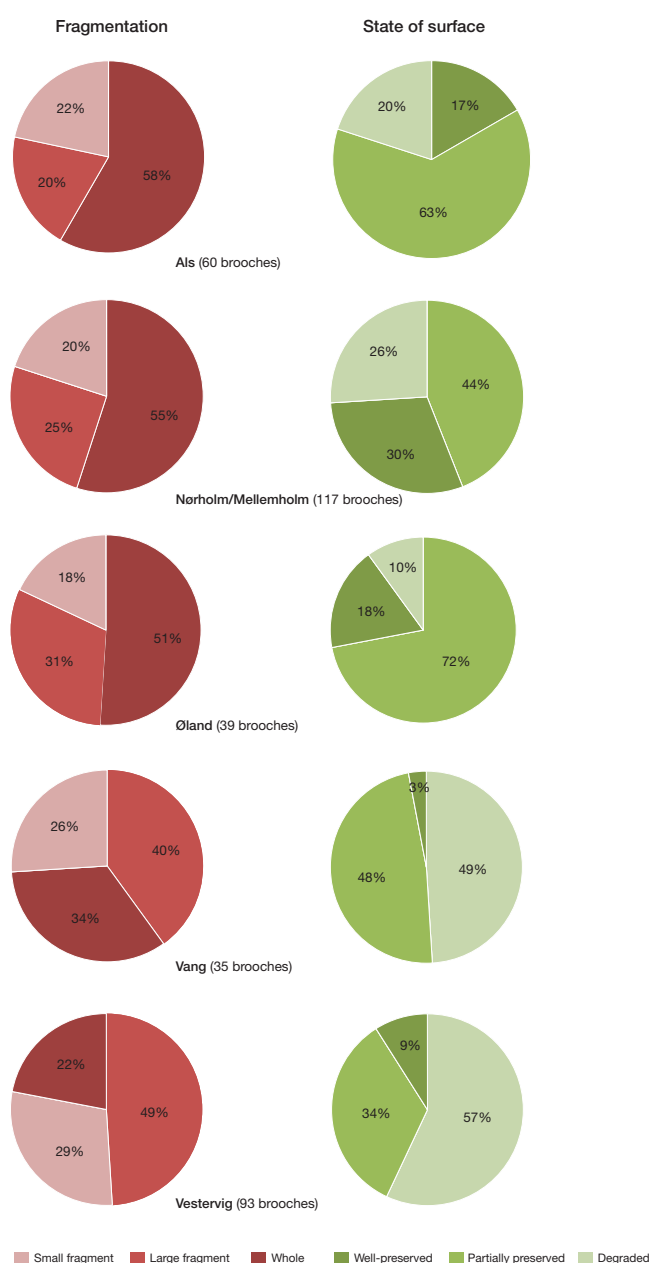


Table 7: Fragmentation of brooches recovered at selected sites since 2006. Note the poor preservation of the brooches found at the western settlements (Vang and Vestervig) where soils are sandy, which contrasts with the state of preservation of the brooches found in the central part of the region (Øland and Nørholm) characterised by chalky soils. <http://files.webb.uu.se/upload-er/1338/JAAH--24--Fig--7.pdf>

Although the analyses presented here seem to suggest that breakage of the brooches stems to large extent from processes active in the plough layer, the recycling of scrap metals must have been frequent in Late Iron Age and Medieval Scandinavia. Jouttijärvi's comprehensive study of the composition of copper-alloy objects showed a marked increase in the use of scrap metals in the period between the fall of the western Roman Empire and the beginning of Viking Age around AD 800 – a development which is clearly linked to insufficient supplies of fresh raw materials due to political instability and disruptions to mining (Jouttijärvi 2002).³¹ Furthermore, a long list of other finds and observations indicates that scrap metals were an important resource in Scandinavia during these centuries (Callmer 1984; Jørgensen 1994: 57; Hårdh 1999: 159-161; Hårdh 2011: 59-61). Two pieces of Viking Age jewellery found melted together at the Hjulby settlement might represent a vivid illustration of the handling of scrap jewellery – perhaps the result of a disrupted melting down of jewellery intended for the production of new pieces (Henriksen 2002: 177, fig. 24). Signs of deliberate destruction of brooches noted at some sites are also a strong indication that scrap jewellery was recycled (Hårdh 2010: 273; Hedegaard 1989: 80). A few of the brooches from the Limfjord region do seem to have been deliberately damaged. Three are bent but otherwise very well-preserved, suggesting a very short stay in the plough soil, and a further nine appear to have suspiciously straight fractures, or are cut in places where brooches are solid and breakage is uncommon. However, in most cases it is impossible to establish with certainty whether the breakage happened prior to deposition or later as a result of advanced attrition.

In some cases, the distribution of the fragmented brooches also appears to support the fact that at least some parts of the fragmented material were actually scrap pieces circulating in workshop areas. At Uppåkra, Hårdh has noted that the most fragmented beak brooches are mainly restricted to two areas, which may be workshop areas (Hårdh 1999: 161). The concentration of the most fragmented brooches in areas characterised by traces of waste from workshops has also been recognised at Stavnsager, where the fragmented cruciform brooches from the Early Germanic Iron Age were predominantly recovered in the workshop area (Høilund Nielsen & Loveluck 2006: 74).³² Similar skewed patterns of fragmented brooches are not traceable in the Limfjord region. At the Østergaard settlement on the Nørholm hill, the most productive of the detector sites in the region, the fragmented beak brooches show a slight tendency to cluster in the north-eastern part of the settlement, which is characterised by scattered pit-houses. However, they are very scattered, and the number is modest. Nevertheless, two are fragments of unfinished brooches (Figure 6a–b) and perhaps some of the other fragments in

31 However, the gradual reduction of zinc and lead content during the melting process has necessitated some sort of fresh supply of alloy with a high content of zinc (Hedegaard 1992: 84)

32 At Hjulby on Funen, the brooches and other metal-detector finds have also predominantly been recovered in an area with thick cultural layers containing traces of different crafts. Henriksen believes many of these to be scrap metals for the workshops (Henriksen 2002).

the area were scrap metals circulating in the workshop area. On the other hand, contemporary brooches scattered outside the settlement area are even more fragmented.³³

Random loss or deliberate deposition?

If the many brooches do not come from ploughed-out scrap deposits or workshop areas, why did they end up in the soil? Could most of the brooches simply have been lost during use? At present, the most convincing answer to this, in the author's opinion, can be found in a study of Early Medieval brooches from England, where metal detectorists have also recovered large numbers of brooches (McLean & Richardson 2010). Through a comparative study of Early Medieval annular and cruciform brooches recovered in England, Mclean and Richardson have demonstrated clear discrepancies between the quantities of the different types of brooch found in graves and the types of brooch recovered by metal detectorists. The annular brooches are common finds in graves but are hardly ever recovered through metal detection, whereas cruciform brooches, the largest single class of Early Medieval brooch recovered by metal detectorists in England, are markedly underrepresented in graves. Interestingly, the annular brooch so rarely recovered by the metal detectorists has tended to be more securely fastened to the dress to which it was pinned owing to the basic principle of attachment, clearly suggesting that the underrepresentation of annular brooches in the record of metal-detected finds is reflective of this circumstance, and likewise that the overrepresentation of the cruciform brooches is the result of random loss during use (McLean & Richardson 2010: 165–167).

Other convincing arguments put forward in favour of this interpretation are the fact that many brooches seem intact with bits left of the pin construction (Vang Petersen 1991: 53), the general low level of damage (Haldenby & Richards 2010; Høilund Nielsen 2014: 28), and the fact that many brooches appear to be randomly distributed across settlements and in their immediate surroundings (Høilund Nielsen & Loveluck 2006: 73–74; Kershaw 2013: 184). The first issue is impossible to study from the varying records of the local museums in the Limfjord region, which often offer no description or photo of the back of the brooches, while the second has been addressed above. The third factor, spatial studies, may offer an opportunity to reveal meaningful patterns. However, a genuine comparison of the distribution of plough-layer metal-detector finds within the settlement remains requires a thoroughly metal-detected site, a good number of finds with properly recorded, preferably GPS-recorded, find locations, and knowledge of the extent of the settlement

33 Nine of a total of 19 beak brooches found in the area with settlement structures and in the immediate surroundings (within a 100 zone around the settlement) were fragmented. Scattered outside this zone, detectorists have recovered additional 25 beak brooches, of which 16 are fragmented.

gained through supportive investigations. None of the sites in the Limfjord region fully meets these requirements. Even though the Østergård settlement on the Nørholm hill has only been investigated through a series of trial excavations, it is currently the site that offers the best data in this regard. There the brooches recovered were scattered across areas extending far beyond the edge of the settlement. However, the density of brooches is clearly much higher within the settlement than in the areas with most finds outside it.³⁴ The general concentration of all finds and the higher frequency of brooches within the settlement are also visible at Bejsebakken on the neighbouring hill, where investigations have been extensive, and at Vester Vandet in Thy. Unfortunately, at Bejsebakken most recordings of the find location are either lacking or very imprecise, which prevents exact calculation, and at Vester Vandet the exact extent of settlement remains to be explored. At the centre of the Vester Vandet settlement the density of the find population is c. one brooch per 550 square metres, compared to c. one per 1,100 square metres at the Østergård settlement. However, a straightforward comparison of the two sites is misleading, not just because there are chronological discrepancies, but also because settlement remains at Østergård are heavily ploughed out, in contrast to Vester Vandet, which is characterised by thick, rich culture layers that may still potentially contain a large proportion of finds.

Most settlements in the region seem to have stopped moving about during the seventh to ninth century and are thus covered by existing settlement, which impedes spatial studies of artefact scatters at the actual settlements. Apart from settlement from the fifth to seventh century, and perhaps little bits of later settlements found by the edge of existing villages, medieval settlement traces are missing in most areas. Nevertheless, the metal-detector finds everywhere point to a profound continuity if we look, at a slightly broader level, at what must have been the local resource areas. At most sites, brooches and other non-ferrous metal finds appear randomly mixed and widely scattered across vast areas next to the existing villages that are presumed to have roots in the seventh to eleventh century. At several sites, excavations have proven unable to locate evidence of any archaeological structures in these adjacent areas characterised by multiple metal-detector finds,³⁵ and given the extreme distribution, often covering more than 50 hectares,³⁶ it seems probable that most metal artefacts were dropped in the settlements and

34 If comparing the GPS-recorded finds to the extent of settlement, 18 brooches contemporary to settlement have been found in the plough layer covering the area, 41 have been recovered within a 150m buffer zone immediately around the settlement, and five come from the buffer zone between 150 and 300m from the settlement. Additionally, 28 brooches have been found within the total area of this survey (find spots not recorded with GPS). If these are split in zones proportionally to the GPS-recorded finds, the density of brooches is c. 1 per 1,100 square metres in the settlement, c. 1 per 3,400 square metres within the 150m buffer zone, and c. 1 per 52,800 square metres within the 300m buffer zone.

35 This has been demonstrated through large-scale trial excavations at Nørholm and Bejsebakken, and through minor trial excavations at Øster Vandet and Sønder Tranders.

36 At Aggersborg and Nørholm, the finds are distributed across areas of more than 100 hectares, even if individual outliers are left out.

subsequently scattered on the cultivated fields in the surroundings, likely during the manuring of the fields (Trier Christiansen 2017: 63-66). Similar patterns have also been recognised during studies of other categories of finds in rural environments in south-eastern Denmark (Moesgaard & Tornbjerg 2011).

The fact that so many brooches were dropped at the settlements and never retrieved may seem remarkable. Nevertheless, given the right circumstances, even large eye-catching objects may be lost in high-activity zones. Some years ago, a local detectorist handed in a large, very shiny, gilded Urnes-style brooch at Moesgaard Museum, Aarhus – clearly a modern reproduction. It had been found during a survey of one of the fields close to the museum. The area is the scene of the annual Viking market, and the brooch must have been dropped there by one of the actors circulating at the market. It is noteworthy that the market held there takes place in the summer time and almost exclusively during the hours of full daylight, and moreover in areas predominantly covered by well-grazed grass, though of course this can become muddy on rainy days. For most of the time, conditions in the Iron Age and medieval settlements must have been much different, especially at night and at wintertime. Recovering a lost brooch in darkness in a muddy or even snow-covered activity zone in a settlement must have required a good deal of luck. The same was no doubt true if a brooch was dropped in the stable of a longhouse. That brooches were actually lost in the busy activity zones in and right around the longhouses in the Limfjord region has been demonstrated by two brooches found during the excavation of a well-preserved seventh-century longhouse in Tæbring: one was found inside, and one in a waste deposit right outside the building (Mikkelsen et al 2008: 85, fig. 3). In that perspective, the loss of brooches in great numbers appears plausible. Of course, the frequency of dropped brooches, as well as that of rediscovery, must have varied considerably. The size and colour of the brooches obviously influenced their visibility and thereby the chance of their recovery, but so also did the way they were worn. In particular, brooches essential to the function of dress must usually have been recovered immediately as the wearer would instantly be aware of the loss; not least must the frequency with which and the circumstances under which jewellery was worn have affected patterns of loss.

Considering the number of brooches found widely scattered at most sites in the Limfjord region, many brooches ended up in the manure. That brooches were occasionally lost in the stable may seem strange. However, animals and their keepers were not the only ones frequenting the stable, which also functioned as storage room, bedroom and work zone (e.g. Zimmermann 2015). The dim lighting and the bedding must have tended to hamper the recovery of lost artefacts, and the continuous adding of new bedding material probably gradually buried lost artefacts until they were eventually dug up and scattered in the fields. Furthermore, we must consider the possibility that various manuring strategies were practised. Some of these strategies probably involved different stages of storage and preparation of the raw materials at the settlement (Jones 2005), and each time there was the risk/chance of lost items, along

with settlement waste, ending up in the manure before it was spread onto the surrounding fields. Turf manuring, which has been widely practised in more recent times across large parts of western and northern Jutland, was probably the strategy that was adopted in the Limfjord region (Madsen & Vegger 1992; Stoklund 1990; Haack Olsen 2005).

Even though it seems that many brooches were just lost, it cannot be rejected that some of the widely scattered brooches were in fact deliberately deposited. A series of different scenarios may be envisioned for the deliberate deposition of brooches. A brooch may have been buried in a hoard, a treasure, or a grave, or it may simply have been tossed away after use. Given the value of the metal, this last is not likely to have been common behaviour, and hoards or treasures containing brooches are extremely rare or lacking in the region during most of the period studied here.³⁷ However, some of the metal-detected brooches predating the introduction of Christianity may come from eroded graves. A small number of Late Iron Age graves containing brooches have been excavated in the region. Compared to the number and variety of brooches recovered through metal detection, the grave finds are clearly not representative of the brooches in circulation, and the number of graves is too modest to make more detailed comparative analyses.³⁸ The one deviation that catches the eye when comparing the composition of the types of brooch found in graves and the composition of the record of the metal-detected brooches is the relative frequency of the large Viking Age tortoise brooches compared to the other brooches of the period. The tortoise brooch is represented only by a modest 22 fragmented pieces, but is by far the most frequent type of brooch found in the graves of the region. At Lindholm Høje, the only site that has yielded several graves containing Viking Age brooches, six of eight identifiable brooches were tortoise brooches, and another three fragmented pieces may also belong to this category (Ramskou 1976). Even considering the different methods of recovery, this discrepancy is so marked that it must to some degree reflect a true difference between what was lost at the settlements and what ended up in the graves. Perhaps this could just be a pattern generated by the fact that the large tortoise brooches were more often rediscovered when lost than other types of brooch; perhaps more likely, considering the relatively high number of other large, contemporary brooches like the trefoil brooches recovered by the metal detectorists, is that the

37 The only exceptions are two Viking Age deposits with sets of tortoise brooches (no. of location: 130409–53 and ÅHM 4125a-b (Johansen 1992: 93), as well as a possible hoard which contained a full set of jewellery dated Early Germanic Iron Age (No. of location: 130911–69). For a case of ritual deposition of brooches on Öland, Sweden, see (Fallgren & Ljungkvist 2016).

38 Quite a few graves from the Early Germanic Iron Age contain cruciform brooches (e.g. Nielsen 2000; Ramskou 1976; Trier Christiansen 2006). Graves dated to Late Germanic Iron Age are very rare, and well-equipped ones almost absent. But at the Lindholm Høje burial ground, 27 graves contained brooches from this period. Viking Age graves with brooches are likewise rare. Apart from 9–10 graves from Lindholm Høje, only a few have been found scattered in the region (Ramskou 1976: Grave 1124, 1176, 1230, 1244, 1346, 1626, 1655, 1720; Johansen 1992: 93–94; Pedersen 2014: cat.no. 175, 187, 192, 293).

discrepancy reflects differences between everyday dress and more formal dress worn only on special occasions.

At present, the modest number of graves with brooches rules out the generation of a predictive model for recognition of potential grave goods hiding in the record. The assistance we might have hoped to gain through spatial analysis is reduced because of the pervasive redepositing of the small metal artefacts.

Conclusion: the use and deposition of brooches in the Limfjord region AD 400–1150

Summing up, the abundance of brooches recovered in the Limfjord region seems to suggest that the production of brooches was a common phenomenon across the region throughout the period of AD 400–1200 – an assumption that at present is supported mainly by a few scattered finds of models and unfinished brooches and scattered evidence of workshop areas. Furthermore, variation in the brooch inventory and interregional spatial patterns seem to signal changing modes of production over the centuries.

Because the interpretational support offered by the plough layer is so weak, inferences regarding the original deposition of finds recovered from this layer are always going to be somewhat speculative, but indications are that most of the brooches recovered in the Limfjord region ended up in the soil as a result of accidental loss at settlements. Furthermore, analyses of the fragmentation and preservation of the surface of the brooches suggests that cultivation constitutes the prevailing cause of brooch fragmentation. This is despite the fact that, not surprisingly, local environmental conditions also affect the preservation of the brooches and thus also the composition of assemblages from varying sites. In the Limfjord region the metal objects at sites to the west, where the soil is sandy, are in general poorly preserved compared to especially the finds from the alkaline soil of the chalky hills in the centre of the region.

The outline of a depositional biography of the brooches which has been sought in the present paper is further hampered by the widespread redepositing of objects that are presumed originally lost at the settlements. At many sites, the metal-detector finds are found randomly mixed and spread across vast areas in the surroundings of the settlements. The secondary distribution probably took place during manuring of nearby fields, rendering it likely that spatial studies may be better suited to the study of agricultural strategies than to the investigation of primary depositional activities.

A central aspect carefully avoided in this paper is the question of quantitative differences between sites. Why are there so many brooches at some sites, and few or none at others? Following the general interpretation suggested here, the number of brooches may serve as a rough guideline for the number of well-dressed women having frequented the sites. This does not

necessarily imply that women outnumbered men, as the inventory of Danish graves indicates that male equipment rarely included items of non-ferrous metals throughout the Late Iron Age. Interestingly, such a direct relationship between the population size and the amount of waste has consistently been demonstrated in English surveys of medieval field systems; only here numerous pottery sherds have served as an indicator (Jones 2005: 171).

Taking the interpretation one step further, different socio-economic factors must have influenced the intensity and character of activity, and thus the number of brooches and other metal objects circulating at the settlements. At present, the modest knowledge of many sites provides us with little opportunity for comparative studies. Even basic information about structure and economy is lacking from many settlements. In the Limfjord region, the one obvious element shared by all the sites that have yielded most detector finds from the period AD 400-1150 (including brooches) is a distinct coastal orientation. The 15 detector sites that have produced the most finds are all located at least 5 km from the coast, suggesting the paramount importance of marine resources (Trier Christiansen 2017: 115-116). Variation within this group of settlements is apparently limited. Most settlements seem to have been agrarian, but a few, situated directly on the coast, may have relied primarily upon fishing. Furthermore, settlement remains from both types of site typically include large numbers of sunken-featured buildings, suggesting that some kind of specialised production was often carried out there - predominantly textile production based upon finds recovered from the floors of many of the buildings. As suggested elsewhere, large-scale production of textiles for use in sails seems to be a likely explanation for the development of this dense coastal settlement of specialised villages, involving hundreds of sunken-featured buildings. On this basis, it is tempting to propose a direct link between the women operating the looms and the high frequency of brooch loss at the coastal settlements (Trier Christiansen 2017: 165)

Surely many of the generalising interpretations presented above need refining, and future research will no doubt uncover patterns that are capable of refining it. However, a prerequisite for this is a fundamental improvement in the interpretational framework for the understanding of metal-detector finds. Even though much has been done in recent years at many sites, systematic metal detecting combined with extensive supportive investigations at more sites would supply a firmer base for the interpretation of the fantastic find material that has been recovered by the private detectorists on their relatively random searches. In addition, new insights could undoubtedly be achieved through more detailed examinations of the brooches than have been possible in this pilot study. Analyses of alloys, breakages, construction and ornamentation would surely answer a number of questions regarding both patterns of production and consumption, as well as preservation

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Catalogue

Introduction

This catalogue contains lists of all brooches and brooch models (dated to the period between AD 400 and 1150) recovered through metal detection in the Limfjord region. It consists of two main parts: (1) Brooches, and (2) Models; and the content and structure of these are:

List 1: Brooches

Lists of all brooches (dated to the period between AD 400 and 1150) recovered through metal detection in the Limfjord region. The brooches in the list are divided into four main groups according to dating: 1.1. The Early Germanic Iron Age, 1.2. The Late Germanic Iron Age, 1.3. The Viking Age, 1.4. The Viking Age-The Early Middle Ages and 1.5. The Early Middle Ages. Furthermore, the brooches are sorted secondarily alphabetically into main types. Within every group of main types, the brooches are listed according to the name of the find location; in the case of multiple brooches of the same type from the same find location, they are sorted according to the find numbers of the local museum, starting with the smallest number.

The list consists of six columns containing: (1) catalogue number; (2) the journal/case number of the local museum; (3) the find number issued by the local museum; (4) the name of the find location (In quite a few cases, separate sites have over the years merged because of increasing numbers of finds in the empty areas that originally separated the sites. This has led to some confusion as to the naming of the sites, as some names referred to, for example, a single field or road, even though the site ended up covering an entire hill. In the case of multiple names, the name referring to the full find area has been chosen. However, the older names/subdividing names are noted in parenthesis; and (5) the material of which the brooch is made (None of the brooches have been analysed. Thus, all information on alloys relies on visual inspection); (6) level of fragmentation; and (7) type/description. References to the typologies used are listed at the end of the sub-lists. Regarding the level of fragmentation, the term “large fragment” refers to fragments estimated to represent more than half of the brooch, while “small fragment” refers to fragments representing less than half of the brooch.

List 2. Models

List of models for the production of brooches (dated to the period between AD 400 and 1150) recovered through metal detection in the Limfjord region. The models are listed alphabetically according to the type of the object and secondarily according to the name of find location (alphabetically); in the case of multiple objects of the same find location, they are sorted according to the museum numbers and subsequently to the find numbers, starting with the smallest number.

Dating codes: EGIA = Early Germanic Iron Age (c. 400-550 AD); LGIA = Late Germanic Iron Age (c. 550-800 AD); VKA = Viking Age (c. 800-1050)

AD); EMA = Early Middle Ages (c. 1050-1150); and LIA = Late Iron Age (c. 400-1050).

Data on the metal-detector finds has primarily been collected at the six local museums of the region – the Historical Museum of Northern Jutland, Museum Thy, MUSE[®]UM (Skive), the Museum of Holstebro, the Museum of Viborg, and the Museum of Vesthimmerland. Data collection was completed by July 2014. The one exception is the Vester Vandet site in the western end of the region, from where the continuous flow of incoming data was not discontinued until the end of 2015.

1.1. Brooches - The Early Germanic Iron Age

Cat. no.	Museum no.	ID	Site	Material	Degree of fragmentation	Type
1	ÅHM 0961	C30748	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Bow brooch - semicircular head plate
2	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Bow brooch - type?
3	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Unknown	Bow brooch - type?
4	ÅHM 5510	D001-1	Klarupgård	Copper alloy	Small fragment	Bow brooch - type?
5	ÅHM 6309	K025-20	Nørholm	Copper alloy	Small fragment	Bow brooch - type?
6	ÅHM 3191	K38-6	Nørholm	Copper alloy	Whole	Bow brooch - type?
7	ÅHM 4856	X3	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Bow brooch - type?
8	ÅHM 5595	X12	Sdr. Tranders	Copper alloy	Small fragment	Bow brooch - type?
9	ÅHM 6303	K005-3	Sdr. Tranders (Sdr. Tranders Kirke)	Copper alloy	Small fragment	Bow brooch - type?
10	VSM 9814	X1	Stenshøj Vest	Copper alloy	Small fragment	Bow brooch - type?
11	THY 6060	X75	Vang	Copper alloy	Small fragment	Bow brooch - type?
12	HOL 20.599	X62	Vester Rysensten	Copper alloy	Unknown	Bow brooch - type?
13	THY 3719	X196	Vestervig	Copper alloy	Small fragment	Bow brooch - type?
14	VSM 9687	X112	Øster Kølsen	Copper alloy	Small fragment	Bow brooch - type?
15	THY 5045	X364	Øster Vandet	Copper alloy	Small fragment	Bow brooch - type?
16	THY 6141	X72	Vester Vandet (Tandrup)	Copper alloy	Small fragment	Bow brooch with circle ornaments on foot/head plate
17	ÅHM 5177	K157-7	Nørholm	Copper alloy	Large fragment	Bow brooch with foot plate of three concentric circles (Fig. 2h)
18	ÅHM 5593	D001-3	Nr. Tranders/ Ø. Utrup (Ø. Utrup)	Copper alloy	Large fragment	Bow brooch with foot plate of three circles
19	ÅHM 4952	X2	Nørholm	Copper alloy	Large fragment	Bow brooch with rectangular head plate
20	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Bow brooch with ribbed foot
21	THY 5045	X526	Øster Vandet	Copper alloy	Large fragment	Bow brooch with semicircular head plate
22	ÅHM 5181	D004	Nørholm	Tinned copper alloy	Large fragment	Bow brooch with semicircular foot plate
23	ÅHM 5178	D093-2	Nørholm	Copper alloy	Small fragment	Bow brooch with small triangular foot
24	THY 5045	x73	Øster Vandet	Copper alloy	Large fragment	Bow brooch with spade-shaped foot
25	ÅHM 5918	K042-1	Als	Copper alloy	Small fragment	Bow brooch with triangular foot

26	VMÅ 2674	x654	Aggersborg	Copper alloy	Unknown	Brooch - type?	
27	ÅHM 0961	C30719?	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Brooch - type?	
28	ÅHM 1661	Unknown	Nr. Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Brooch - type?	
29	THY 6141	X79	Vester Vandet (Tandrup)	Copper alloy	Small fragment	Brooch - type?	
30	ÅHM 4959	Unknown	Nørholm	Copper alloy	Large fragment	Brooch with cruciform head plate	
31	ÅHM 5918	K017-2	Als	Copper alloy	Large fragment	Brooch with cruciform head plate (small-long brooch)	
32	ÅHM 5180	D010-1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Large fragment	Brooch with rectangular head plate	
33	ÅHM 4823	X18	Vester Hassing	Copper alloy	Small fragment	Brooch with rectangular head plate	
34	ÅHM 2403	X10	Sebbersund	Copper alloy	Whole	Brooch with rectangular head plate and spade-shaped foot (small long- brooch - Fig. 2e)	
35	ÅHM 5178	K192-6	Nørholm	Copper alloy	Whole	Brooch with rectangular head plate and spade-shaped foot (small- long-brooch)	
36	THY 3719	X120	Vestervig	Copper alloy	Small fragment	Brooch with rhombic head plate	
37	THY 3924	X168	Østerild	Copper alloy	Small fragment	Brooch with semicircular head plate and three knobs	
38	VMÅ 2376	C 36338	Soldalgård I	Copper alloy	Unknown	Brooch with spade-shaped foot	
39	VMÅ 2376	Unknown	Soldalgård I	Copper alloy	Unknown	Brooch with spade-shaped foot	
40	ÅHM 5182	K107-1	Sønderholm	Copper alloy	Large fragment	Brooch with spade-shaped foot	
41	ÅHM 5177	K137-3	Nørholm	Copper alloy	Small fragment	Brooch with triangular foot	
42	ÅHM 0960	K56-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Unknown	brooch with wide foot plate	
43	ÅHM 0961	C30544	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Whole	Crossbow brooch	
44	ÅHM 4856	X5	Nørholm (Nørholm (Mølleholm))	Copper alloy	Whole	Crossbow brooch with kingle-shaped foot (Ozingell brooch)	
45	ÅHM 5178	K142-1	Nørholm	Copper alloy	Whole	Crossbow brooch with spiral foot, ending in a bird's head with curved beak (Fig. 45)	
46	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch?	
47	VMÅ 2674	x1086	Aggersborg	Copper alloy	Large fragment	Cruciform brooch	
48	VMÅ 2674	x691	Aggersborg	Copper alloy	Large fragment	Cruciform brooch	
49	ÅHM 5918	K005-1	Als	Copper alloy	Large fragment	Cruciform brooch	
50	ÅHM 5918	K113-8	Als	Copper alloy	Large fragment	Cruciform brooch	
51	ÅHM 1482	X2	Bejsebakken	Copper alloy	Large fragment (extent of fragmentation unknown)	Cruciform brooch	

52	ÅHM 4948	Unknown	Bejsebakken (Gl.Hasseris)	Copper alloy	Whole	Cruciform brooch	
53	ÅHM 0961	C30731	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Cruciform brooch	
54	ÅHM 0961	C30736	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
55	ÅHM 0961	C30757	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
56	ÅHM 0961	C30766	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
57	ÅHM 0961	C30767	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
58	ÅHM 0961	C30772	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
59	ÅHM 0961	C30978	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
60	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Cruciform brooch	
61	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Cruciform brooch	
62	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
63	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
64	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
65	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
66	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
67	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
68	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Cruciform brooch	
69	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Whole	Cruciform brooch	
70	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Whole	Cruciform brooch	
71	ÅHM 0960	K100-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Small fragment	Cruciform brooch	
72	ÅHM 0960	K139-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Small fragment	Cruciform brooch	
73	ÅHM 0960	K142-2	Bejsebakken (Stolpedalsvej)	Copper alloy	Whole	Cruciform brooch	

74	ÅHM 0960	K165-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Whole	Cruciform brooch	
75	ÅHM 0960	K21-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Large fragment	Cruciform brooch	
76	ÅHM 0960	K47-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Unknown	Cruciform brooch	
77	ÅHM 0960	K57-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Large fragment	Cruciform brooch	
78	ÅHM 0960	Unknown	Bejsebakken (Stolpedalsvej)	Copper alloy	Unknown	Cruciform brooch	
79	THY 3961	X19	Bjerget	Copper alloy	Whole	Cruciform brooch	
80	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch	
81	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch	
82	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Unknown	Cruciform brooch	
83	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Unknown	Cruciform brooch	
84	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Unknown	Cruciform brooch	
85	HOL 16.328	C32282-83	Brødbæk	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch	
86	ÅHM 4487 VSM	X1	Drstrup Excercerpladsen ved Rødevej	Copper alloy	Whole	Cruciform brooch (Fig. 2c)	
87	8359/03 SMS	C 35603	Excercerpladsen ved Rødevej	Copper alloy	Unknown	Cruciform brooch	
88	8359/03	Unknown	Excercerpladsen ved Rødevej	Copper alloy	Unknown	Cruciform brooch	
89	VSM 9869	X93	Hjarbæk Øst	Copper alloy	Large fragment	Cruciform brooch	
90	ÅHM 1413	Unknown	Hvorup	Copper alloy	Unknown	Cruciform brooch	
91	ÅHM 2401	X1	Hvorup nymark	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch	
92	THY 5052	X79	Kuskmunde	Copper alloy	Large fragment	Cruciform brooch	
93	ÅHM 1340	K037-1	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Cruciform brooch	
94	ÅHM 1340	K079-1	Lindholm Høje (Kammerdalen)	Copper alloy	Small fragment	Cruciform brooch	

95	ÅHM 1340	K126-1	Lindholm Høje (Kammerdalen)	Copper alloy	Large fragment Fragmented (extent of fragmentation unknown)	Cruciform brooch
96	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy		Cruciform brooch
97	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Cruciform brooch
98	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Cruciform brooch
99	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Cruciform brooch
100	ÅHM 1340	X1	Lindholm Høje (Kammerdalen)	Copper alloy	Small fragment	Cruciform brooch
101	ÅHM 1340	X2	Lindholm Høje (Kammerdalen)	Copper alloy	Small fragment	Cruciform brooch
102	ÅHM 6291	K001-1	Louisdal	Copper alloy	Whole	Cruciform brooch (Fig. 2a)
103	ÅHM 6291	K002-1	Louisdal	Copper alloy	Large fragment	Cruciform brooch
104	ÅHM 4548	X1	Lundbygård	Copper alloy	Small fragment	Cruciform brooch
105	VMÅ 2462	C 36340	Malle Langhøj Syd	Copper alloy	Unknown	Cruciform brooch
106	VMÅ 2462	Unknown	Malle Langhøj Syd	Copper alloy	Unknown	Cruciform brooch
107	ÅHM 1661	X1	Nr. Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Cruciform brooch
108	ÅHM 1661	X3	Nr. Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Cruciform brooch
109	ÅHM 4836	X1	Nr. Tranders/ Ø. Utrup (Nørre Tranders)	Copper alloy	Small fragment	Cruciform brooch
110	ÅHM 5178	D021	Nørholm	Copper alloy	Whole	Cruciform brooch
111	ÅHM 5181	K015-1	Nørholm	Copper alloy	Small fragment	Cruciform brooch
112	ÅHM 5181	K015-7	Nørholm	Copper alloy	Large fragment	Cruciform brooch
113	ÅHM 5181	K015-8	Nørholm	Copper alloy	Whole	Cruciform brooch (Fig. 2b)
114	ÅHM 6309	K024-16	Nørholm	Copper alloy	Large fragment	Cruciform brooch
115	ÅHM 6309	K024-9	Nørholm	Copper alloy	Whole	Cruciform brooch
116	ÅHM 6309	K025-13	Nørholm	Copper alloy	Large fragment	Cruciform brooch
117	ÅHM 6309	K025-17	Nørholm	Copper alloy	Small fragment	Cruciform brooch
118	ÅHM 6309	K025-5	Nørholm	Copper alloy	Small fragment	Cruciform brooch
119	ÅHM 6309	K025-7	Nørholm	Copper alloy	Whole	Cruciform brooch
120	ÅHM 6309	K025-8	Nørholm	Copper alloy	Large fragment	Cruciform brooch

121	ÅHM 6309	K025-9	Nørholm	Copper alloy	Large fragment	Cruciform brooch
122	ÅHM 3450	K1-1	Nørholm	Copper alloy	Small fragment	Cruciform brooch
123	ÅHM 5177	K137-2	Nørholm	Copper alloy	Small fragment	Cruciform brooch
124	ÅHM 5177	K137-4	Nørholm	Copper alloy	Whole	Cruciform brooch
125	ÅHM 5177	K162-7	Nørholm	Copper alloy	Whole	Cruciform brooch
126	ÅHM 5177	K186-1	Nørholm	Copper alloy	Small fragment	Cruciform brooch
127	ÅHM 4607	X1	Nørholm	Copper alloy	Large fragment	Cruciform brooch
128	ÅHM 3736	X1	Nørholm	Copper alloy	Small fragment	Cruciform brooch
129	ÅHM 4056	X1	Nørholm	Copper alloy	Small fragment	Cruciform brooch
130	ÅHM 4999	X1	Nørholm	Copper alloy	Large fragment	Cruciform brooch
131	ÅHM 3744	X3	Nørholm	Copper alloy	Large fragment	Cruciform brooch
132	ÅHM 4245	X6	Nørholm	Copper alloy	Small fragment	Cruciform brooch
133	ÅHM 5056	X1	Nørholm (Mellemholm)	Copper alloy	Large fragment	Cruciform brooch
134	ÅHM 5056	X2	Nørholm (Mellemholm)	Copper alloy	Whole	Cruciform brooch
135	ÅHM 5056	X6	Nørholm (Mellemholm)	Copper alloy	Small fragment	Cruciform brooch
136	ÅHM 5180	D001-2	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
137	ÅHM 5180	D005-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
138	ÅHM 5180	D013-5	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
139	ÅHM 5180	D013-6	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
140	ÅHM 5180	K070-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
141	ÅHM 2463	K15-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Large fragment	Cruciform brooch
142	ÅHM 2463	K32-3	Nørholm (Nørholm (Mellemholm))	Copper alloy	Whole	Cruciform brooch
143	ÅHM 2463	K32-7	Nørholm (Nørholm (Mellemholm))	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch
144	ÅHM 2463	K8-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Cruciform brooch
145	ÅHM 2463	K8-2	Nørholm (Nørholm (Mellemholm))	Copper alloy	Whole	Cruciform brooch
146	ÅHM 4508	X1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Large fragment	Cruciform brooch

147	ÅHM 4856	X1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Cruciform brooch	
148	ÅHM 4681	X1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Whole	Cruciform brooch	
149	ÅHM 4900	X1 & 2	Nørholm (Nørholm (Mølleholm))	Copper alloy	Large fragment	Cruciform brooch	
150	ÅHM 3942	X3	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Cruciform brooch	
151	ÅHM 3426	Unknown	Oddershøjgård (Drstrup)	Copper alloy	Unknown	Cruciform brooch	
152	ÅHM 5923	K001-2	Sdr. Tranders	Copper alloy	Large fragment	Cruciform brooch	
					Fragmented (extent of fragmentation unknown)		
153	ÅHM 2403	X8	Sebbersund	Copper alloy		Cruciform brooch	
154	THY 6142	X1	Sennels	Copper alloy	Small fragment	Cruciform brooch	
155	HOL 20.084	C32158	St. Rydemølle syd	Copper alloy	Unknown	Cruciform brooch	
156	ÅHM 4330	X5	Stavn Mark	Copper alloy	Small fragment	Cruciform brooch	
157	ÅHM 5087	X1	Syd for Bislev	Copper alloy	Whole	Cruciform brooch	
158	ÅHM 5182	D048-1	Sønderholm	Copper alloy	Small fragment	Cruciform brooch	
159	ÅHM 5182	K093-4	Sønderholm	Copper alloy	Small fragment	Cruciform brooch	
160	ÅHM 5182	K093-5	Sønderholm	Copper alloy	Small fragment	Cruciform brooch	
161	ÅHM 4050	X2	Sønderholm	Copper alloy	Small fragment	Cruciform brooch	
					Fragmented (extent of fragmentation unknown)		
162	ÅHM 2885	X3	Sønderholm	Copper alloy		Cruciform brooch	
163	ÅHM 4244	X5	Sønderholm	Copper alloy	Large fragment	Cruciform brooch	
164	THY 6131	X1	Tingstrup	Copper alloy	Small fragment	Cruciform brooch	
165	VSM 9682	x18	Toftum Næs	Copper alloy	Small fragment	Cruciform brooch	
166	VSM 9682	x4	Toftum Næs	Copper alloy	Small fragment	Cruciform brooch	
167	THY 6060	X136	Vang	Copper alloy	Small fragment	Cruciform brooch	
168	THY 6060	X54	Vang	Copper alloy	Small fragment	Cruciform brooch	
169	THY 6060	X71	Vang	Copper alloy	Large fragment	Cruciform brooch	
170	ÅHM 4907	X2	Vester Hassing	Copper alloy	Whole	Cruciform brooch	
					Fragmented (extent of fragmentation unknown)		
171	HOL 20.599	X116	Vester Rysensten	Copper alloy		Cruciform brooch	
172	HOL 20.599	X21	Vester Rysensten	Copper alloy	Unknown	Cruciform brooch	

173	HOL 20.599	X64	Vester Rysensten	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch
174	THY 6141	X77	Vester Vandet (Tandrup)	Copper alloy	Small fragment	Cruciform brooch
175	THY 3719	X189	Vestervig	Copper alloy	Small fragment	Cruciform brooch
176	THY 3719	X192	Vestervig	Copper alloy	Small fragment	Cruciform brooch
177	THY 3719	X222	Vestervig	Copper alloy	Small fragment	Cruciform brooch
178	THY 3719	X225	Vestervig	Copper alloy	Small fragment	Cruciform brooch
179	THY 3719	X294	Vestervig	Copper alloy	Small fragment	Cruciform brooch
180	THY 3719	X328	Vestervig	Copper alloy	Large fragment	Cruciform brooch
181	THY 3719	X415	Vestervig	Copper alloy	Whole	Cruciform brooch
182	THY 3719	X522	Vestervig	Copper alloy	Large fragment	Cruciform brooch
183	THY 3719	X552	Vestervig	Copper alloy	Small fragment	Cruciform brooch
184	THY 3719	X80	Vestervig	Copper alloy	Small fragment	Cruciform brooch
185	THY 3719	X95	Vestervig	Copper alloy	Large fragment	Cruciform brooch
186	SMS 1279	X1	Vium	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch
187	ÅHM 2402	X1	Voerbjerg	Copper alloy	Fragmented (extent of fragmentation unknown)	Cruciform brooch
188	ÅHM 5172	K270-2	Øland (Oksholm)	Copper alloy	Large fragment	Cruciform brooch
189	ÅHM 6193	K010-7	Øster Hornum	Copper alloy	Large fragment	Cruciform brooch
190	VSM 9687	X43a	Øster Kølsen	Copper alloy	Large fragment	Cruciform brooch
191	VSM 9687	X43b	Øster Kølsen	Copper alloy	Small fragment	Cruciform brooch
192	THY 5045	X169	Øster Vandet	Copper alloy	Small fragment	Cruciform brooch
193	THY 5045	X179	Øster Vandet	Copper alloy	Small fragment	Cruciform brooch
194	THY 5045	X351	Øster Vandet	Copper alloy	Small fragment	Cruciform brooch
195	ÅHM 5924	K013-1	Sdr. Tranders	Copper alloy	Small fragment	Cruciform brooch (foot melted)
196	VMÅ 2674	x776	Aggersborg	Copper alloy	Large fragment	Cruciform brooch?
197	ÅHM 4608	X1	Nyrup	Copper alloy	Large fragment	Cruciform brooch?
198	ÅHM 6309	K025-6	Nørholm	Copper alloy	Small fragment	Cruciform brooch?
199	ÅHM 5178	K131-3	Nørholm	Copper alloy	Large fragment	Cruciform brooch?

200	ÅHM 5180	D005-6	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Cruciform brooch?
201	ÅHM 5180	K070-2	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Cruciform brooch?
202	ÅHM 4856	X4	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Cruciform brooch?
203	ÅHM 5182	D047-1	Sønderholm	Copper alloy	Large fragment	Cruciform brooch?
204	THY 6017	X177	Vester Vandet	Copper alloy	Large fragment	Cruciform brooch?
205	THY 5045	X450	Øster Vandet	Copper alloy	Large fragment	Cruciform brooch?
206	THY 6123	X6	Skinnerup	Gilt copper alloy	Whole	Dreirundel brooch
207	ÅHM 0960	K147-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Whole	Equal-arm brooch - type?
208	ÅHM 4487	X2	Drstrup	Copper alloy	Whole	Equal-arm brooch with animal head terminals (Fig. 2g)
209	ÅHM 6303	K005-2	Sdr. Tranders (Sdr. Tranders Kirke)	Copper alloy	Large fragment	Equal-arm brooch with rectangular end plates and lappets (Fig. 2f)
210	ÅHM 5924	K014-1	Sdr. Tranders	Copper alloy	Large fragment	Fake crossbow brooch
211	ÅHM 5595	K018-1	Sdr. Tranders	Copper alloy	Large fragment	Fake crossbow brooch (Fig. 2d)
212	ÅHM 5180	D013-3	Nørholm (Nørholm (Mølleholm))	Copper alloy	Large fragment	Fake crossbow brooch with rhombic foot plate
213	ÅHM 3191	K53-3	Nørholm	Copper alloy	Large fragment	Large cruciform brooch
214	ÅHM 5177	K137-7	Nørholm	Copper alloy	Large fragment	Miniature brooch with rectangular head plate og bird-head lappets on the foot
215	ÅHM 5180	K039-1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Whole	Miniature relief brooch with runic inscription
216	THY 6141	X67	Vester Vandet (Tandrup)	Copper alloy	Whole	Rectangular brooch with animal head terminals (perhaps head plate of large cruciform brooch?)
217	ÅHM 1482	X1	Bejsebakken	Copper alloy	Unknown	Relief brooch
218	ÅHM 5177	D045	Nørholm	Gilt Silver	Small fragment	Relief brooch
219	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Sheet-metal brooch with rhombic foot plate
220	ÅHM 4928	X1 & 2	Nørholm	Copper alloy	Large fragment	Simple cruciform brooch? with triangular foot
221	ÅHM 5056	X3	Nørholm (Mølleholm)	Copper alloy	Large fragment	Small cruciform brooch
222	THY 6017	X188	Vester Vandet	Copper alloy	Large fragment	Small-long brooch

1.2. Brooches - The Late Germanic Iron Age

Subtypes refer to following typologies: KHN (Høilund Nielsen 1987)

Cat. no.	Museum no.	ID	Site	Material	Degree of fragmentation	Type
223	THY 3719	X153	Vestervig	Copper alloy	Small fragment	Animal-shaped plate brooch?
224	ÅHM 0960	K100-2	Bejsebakken (Stolpedalsvej)	Copper alloy	Fragmented (extent of fragmentation unknown)	Animal-shaped tortoise brooch - KHN-type O
225	ÅHM 2463	K38-4	Nørholm (Nørholm (Mellemholm))	Tinned copper alloy	Whole	Animal-shaped tortoise brooch - KHN-type O
226	ÅHM 5924	K009-4	Sdr. Tranders	Gilt copper alloy	Small fragment	Animal-shaped tortoise brooch - KHN-type O
227	ÅHM 2633	K22-2	Sdr. Tranders (Postgården)	Copper alloy	Large fragment	Animal-shaped tortoise brooch - KHN-type O
228	THY 3719	X462	Vestervig	Copper alloy	Large fragment	Atypical beak brooch? - KHN type G?
229	VSM 9000	X2	Torsgaard	Copper alloy	Large fragment	Atypical tortoise brooch - KHN type N
230	ÅHM 5593	K005-5	Nr. Tranders/ Ø. Utrup (Ø. Utrup)	Copper alloy	Whole	Atypical tortoise brooch - KHN type N1a (Fig. 2ag)
231	ÅHM 5177	K162-14	Nørholm	Copper alloy	Small fragment	Beak brooch (Unfinished) - KHN type G2c (Fig. 6b)
232	ÅHM 1146	X3	Bejsebakken	Copper alloy	Unknown	Beak brooch - KHN type G
233	ÅHM 0961	C30753	Bejsebakken (Skelagervej/ Sofiendal)	Unknown	Large fragment	Beak brooch - KHN type G
234	ÅHM 0961	C30764?	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Beak brooch - KHN type G
235	HOL 20.305	X43	Dybe gamle Elværk	Copper alloy	Unknown	Beak brooch - KHN type G
236	SMS 655A	Unknown	Elmegård	Copper alloy	Unknown	Beak brooch - KHN type G
237	HOL 20.514	X21	Gudumområdet	Copper alloy	Unknown	Beak brooch - KHN type G
238	ÅHM 1340	K034-1	Lindholm Høje (Kammerdalen)	Copper alloy	Large fragment	Beak brooch - KHN type G
239	ÅHM 1340	K073-1	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Beak brooch - KHN type G
240	VMÅ 2764	x63	Louns Kirkebjerg	Copper alloy	Large fragment	Beak brooch - KHN type G
241	VSM 10069	X0011	Lynderup	Copper alloy	Large fragment	Beak brooch - KHN type G
242	VSM 9948	X11	Neder Hallum	Copper alloy	Large fragment	Beak brooch - KHN type G
243	ÅHM 5181	K015-11	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G
244	ÅHM 6309	K024-4	Nørholm	Copper alloy	Small fragment	Beak brooch - KHN type G
245	ÅHM 6309	K025-1	Nørholm	Copper	Whole	Beak brooch - KHN type G (Fig. 2m)

246	ÅHM 5177	K157-10	Nørholm	alloy		Large fragment	Beak brooch - KHN type G
247	ÅHM 3607	X4	Nørholm	Copper alloy		Small fragment	Beak brooch - KHN type G
248	ÅHM 3191	K1-3	Nørholm (Nørholm Skole/ Østergård)	Copper alloy		Large fragment	Beak brooch - KHN type G
249	ÅHM 3191	K27-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy		Large fragment	Beak brooch - KHN type G
250	ÅHM 3124	K11-5	Nørholm (Nørholm Syd)	Copper alloy		Unknown	Beak brooch - KHN type G
251	ÅHM 4067	X2	Nørholm (Nørholm Syd)	Copper alloy		Large fragment	Beak brooch - KHN type G
252	HOL 20.318	C 34458	Skodborggaard	Copper alloy		Unknown	Beak brooch - KHN type G
253	THY 6060	X111	Vang	Copper alloy		Small fragment	Beak brooch - KHN type G
254	THY 6060	X128	Vang	Copper alloy		Large fragment	Beak brooch - KHN type G
255	THY 6060	X130	Vang	Copper alloy		Small fragment	Beak brooch - KHN type G
256	THY 6060	X63	Vang	Copper alloy		Large fragment	Beak brooch - KHN type G
257	THY 6060	X90	Vang	Copper alloy		Whole	Beak brooch - KHN type G
258	THY 3719	X414	Vestervig	Copper alloy		Small fragment	Beak brooch - KHN type G
259	THY 3719	X436	Vestervig	Copper alloy		Large fragment	Beak brooch - KHN type G
260	THY 3719	X439	Vestervig	Copper alloy		Large fragment	Beak brooch - KHN type G
261	THY 3719	X444	Vestervig	Copper alloy		Large fragment	Beak brooch - KHN type G
262	THY 3719	X455	Vestervig	Copper alloy		Large fragment	Beak brooch - KHN type G
263	THY 3719	X56	Vestervig	Copper alloy		Large fragment	Beak brooch - KHN type G
264	ÅHM 5177	K157-2	Nørholm	Copper alloy		Whole	Beak brooch - KHN type G (partly melted?)
265	HOL 20.305	X41	Dybe gamle Elværk	Copper alloy		Unknown	Beak brooch - KHN type G?
266	VSM 9687	X213	Øster Kølsen	Copper alloy		Whole	Beak brooch - KHN type G1?
267	ÅHM 5918	K115-1	Als	Copper alloy		Whole	Beak brooch - KHN type G2
268	ÅHM 5948	K003-1	Bislev	Gilt copper alloy		Whole	Beak brooch - KHN type G2 (Fig. 2n)
269	ÅHM 5230	D001-1	Ferslev	Copper alloy		Whole	Beak brooch - KHN type G2

270	ÅHM 4118	X1	Haverslev Kirke Nord	Copper alloy	Large fragment	Beak brooch - KHN type G2
271	VMÅ 2764	x131	Louns Kirkebjerg	Copper alloy	Whole	Beak brooch - KHN type G2
272	VMÅ 2764	x71	Louns Kirkebjerg	Copper alloy	Large fragment	Beak brooch - KHN type G2
273	VSM 9948	X12	Neder Hallum	Copper alloy	Small fragment	Beak brooch - KHN type G2
274	VSM 9948	X7	Neder Hallum	Copper alloy	Whole	Beak brooch - KHN type G2
275	VSM 9948	X8	Neder Hallum	Copper alloy	Whole	Beak brooch - KHN type G2
276	VSM 9948	X9	Neder Hallum	Copper alloy	Whole	Beak brooch - KHN type G2
277	ÅHM 5938	K008-1	Nr. Tranders/ Ø. Uttrup (Nørre Tranders)	Copper alloy	Small fragment	Beak brooch - KHN type G2
278	ÅHM 4959	C	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
279	ÅHM 5181	K015-10	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
280	ÅHM 6309	K024-3	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
281	ÅHM 6309	K024-5	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
282	ÅHM 6309	K025-3	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
283	ÅHM 5177	K137-5	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
284	ÅHM 5177	K142-5	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
285	ÅHM 5177	K157-3	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
286	ÅHM 5177	K162-11	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
287	ÅHM 5177	K162-12	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
288	ÅHM 5177	K162-13	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
289	ÅHM 5177	K162-16	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
290	ÅHM 5177	K162-9	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2
291	ÅHM 5177	K189-1	Nørholm	Copper alloy	Small fragment	Beak brooch - KHN type G2
292	ÅHM 3736	X2	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2
293	ÅHM 4857	X1	Nørholm (Nørholm (Melleholm))	Copper alloy	Whole	Beak brooch - KHN type G2
294	ÅHM 3942	X4	Nørholm (Nørholm (Melleholm))	Copper	Large fragment	Beak brooch - KHN type G2

295	ÅHM 4069	X1	Nørholm (Nørholm Syd)	alloy	Whole	Beak brooch - KHN type G2	
296	ÅHM 4101	X1	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	Beak brooch - KHN type G2	
297	ÅHM 4116	X3	Nørholm (Nørholm Syd)	Copper alloy	Whole	Beak brooch - KHN type G2	
298	ÅHM 4056	X4	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	Beak brooch - KHN type G2	
299	ÅHM 5924	K009-3	Sdr.Tranders	Copper alloy	Small fragment	Beak brooch - KHN type G2	
300	ÅHM 5173	K024-1	Sdr.Tranders (Postgården)	Copper alloy	Whole	Beak brooch - KHN type G2	
301	ÅHM 5173	K031-4	Sdr.Tranders (Postgården)	Copper alloy	Large fragment	Beak brooch - KHN type G2	
302	ÅHM 2403	K067-11	Sebbersund	Copper alloy	Whole	Beak brooch - KHN type G2 (Fig. 2f)	
303	ÅHM 5122	X1	Sønderholm	Copper alloy	Large fragment	Beak brooch - KHN type G2	
304	ÅHM 4601	X1	Sønderholm	Copper alloy	Whole	Beak brooch - KHN type G2	
305	THY 6060	X121	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2	
306	THY 6060	X32	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2	
307	THY 6060	X38	Vang	Copper alloy	Whole	Beak brooch - KHN type G2	
308	THY 6017	X683	Vester Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2	
309	THY 6141	X170	Vester Vandet (Tandrup)	Copper alloy	Whole	Beak brooch - KHN type G2	
310	THY 3719	X101	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
311	THY 3719	X132	Vestervig	Copper alloy	Whole	Beak brooch - KHN type G2	
312	THY 3719	X259	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
313	THY 3719	X299	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
314	THY 3719	X310	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
315	THY 3719	X380	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
316	THY 3719	X505	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2	
317	THY 3719	X51	Vestervig	Silver	Large fragment	Beak brooch - KHN type G2	
318	ÅHM 5172	D005-1	Øland (Oksholm)	Copper alloy	Whole	Beak brooch - KHN type G2	

319	ÅHM 5172	K215-3	Øland (Oksholm)	Copper alloy	Whole	Beak brooch - KHN type G2
320	ÅHM 3743	X1	Øland (Oksholm)	Copper alloy	Whole	Beak brooch - KHN type G2
321	THY 5045	X105	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
322	THY 5045	X106	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
323	THY 5045	X114	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
324	THY 5045	X141	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
325	THY 5045	X166	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
326	THY 5045	X182	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
327	THY 5045	X214	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
328	THY 5045	X248	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
329	THY 5045	x28	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
330	THY 5045	X430	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
331	THY 5045	X465	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
332	THY 5045	x48	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
333	THY 5045	x49	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
334	THY 5045	X509	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
335	THY 5045	X540	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
336	THY 5045	X548	Øster Vandet	Copper alloy	Small fragment	Beak brooch - KHN type G2
337	THY 5045	X582	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
338	THY 5045	X593	Øster Vandet	Copper alloy	Small fragment	Beak brooch - KHN type G2
339	THY 5045	X609	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2
340	THY 5045	X611	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
341	THY 5045	x75	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2
342	VMÅ 2674	x1	Aggersborg	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
343	ÅHM 0961	C30547	Bejsebakken (Skelagervej/	Copper	Large fragment	Beak brooch - KHN type G2 or 3

			Sofiendal)	alloy		
344	ÅHM 0961	C30752	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
345	ÅHM 0961	C30758	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
346	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Fragmented (extent of fragmentation unknown)	Beak brooch - KHN type G2 or 3
347	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
348	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Fragmented (extent of fragmentation unknown)	Beak brooch - KHN type G2 or 3
349	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
350	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
351	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
352	ÅHM 1482	Unknown	Bejsebakken (Sofindal, Skelagervej)	Copper alloy	Fragmented (extent of fragmentation unknown)	Beak brooch - KHN type G2 or 3
353	SMS 1226	X15	Bittedanmark III	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
354	SMS 1217	X5	Bysted Mark	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
355	SMS 655A	Unknown	Elmegård	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
356	THY 6045	X1	Futtrup	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
357	VSM 8964	X03	Kvosted	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
358	VSM 8964	X37	Kvosted	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
359	SMS 1161	X28	Lerdalgård	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
360	VMÅ 2764	x20	Louns Kirkebjerg	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
361	VMÅ 2764	x31	Louns Kirkebjerg	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
362	VMÅ 2764	x33	Louns Kirkebjerg	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
363	VMÅ 2764	x40	Louns Kirkebjerg	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
364	VSM 9948	X10	Neder Hallum	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
365	VSM 9948	X13	Neder Hallum	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
366	VSM 9948	X14	Neder Hallum	Copper	Whole	Beak brooch - KHN type G2 or 3

367	VSM 9948	X6	Neder Hallum	alloy	Whole	Beak brooch - KHN type G2 or 3	
368	ÅHM 1661	X1	Nr.Tranders/Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3	
369	ÅHM 3739	X3	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G2 or 3	
370	ÅHM 2463	K1-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
371	SMS 1277	X1	Opperby	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3	
372	ÅHM 2633	K19-2	Sdr.Tranders (Postgården)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
373	ÅHM 2633	K47-1	Sdr.Tranders (Postgården)	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
374	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3	
375	HOL 20318	Unknown	Skodborggaard	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3	
376	NM 6881/89	C31116	Stendis	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3	
377	ÅHM 5182	D006-3	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
378	ÅHM 5182	K093-3	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Beak brooch - KHN type G2 or 3	
379	VSM 9682	x21	Toftum Næs	Copper alloy	Whole	Beak brooch - KHN type G2 or 3	
380	VSM 9000	X103	Torsgaard	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
381	THY 6060	X109	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
382	THY 6060	X113	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
383	THY 6060	X117	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
384	THY 6060	X129	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	
385	THY 6060	X18	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
386	THY 6060	X24	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
387	THY 6060	X25	Vang	Copper alloy	Whole	Beak brooch - KHN type G2 or 3	
388	THY 6060	X27	Vang	Copper alloy	Whole	Beak brooch - KHN type G2 or 3	
389	THY 6060	X31	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3	
390	THY 6060	X33	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3	

391	THY 6060	X37	Vang	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
392	THY 6060	X51	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
393	THY 6060	X59	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
394	THY 6060	X62	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
395	THY 6060	X64	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
396	THY 6060	X66	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
397	THY 6060	X76	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
398	THY 6060	X85	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
399	THY 6060	X91	Vang	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
400	THY 6141	X1	Vester Vandet (Tandrup)	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
401	THY 6141	X171	Vester Vandet (Tandrup)	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
402	THY 6141	X3	Vester Vandet (Tandrup)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
403	THY 6141	X50	Vester Vandet (Tandrup)	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
404	THY 3719	X139	Vestervig	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
405	THY 3719	X146	Vestervig	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
406	THY 3719	X147	Vestervig	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
407	THY 3719	X149	Vestervig	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
408	THY 3719	X243	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
409	THY 3719	X475	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
410	THY 3719	X49	Vestervig	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
411	THY 3719	X530	Vestervig	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
412	THY 3719	X543	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
413	THY 3719	X79	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
414	SMS 1279	X11	Vium	Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
415	SMS 1279	X5	Vium	Copper	Fragmented (extent of	Beak brooch - KHN type G2 or 3

					alloy	fragmentation unknown)	
416	ÅHM 2832	Unknown	Øland (Oksholm)		Copper alloy	Unknown	Beak brooch - KHN type G2 or 3
417	THY 5045	X107	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
418	THY 5045	X111	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
419	THY 5045	X121	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
420	THY 5045	X125	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
421	THY 5045	X128	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
422	THY 5045	X131	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
423	THY 5045	X149	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
424	THY 5045	X181	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
425	THY 5045	X221	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
426	THY 5045	X245	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
427	THY 5045	X266	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
428	THY 5045	X323	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
429	THY 5045	X331	Øster Vandet		Copper alloy	Fragmented (extent of fragmentation unknown)	Beak brooch - KHN type G2 or 3
430	THY 5045	X344	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
431	THY 5045	X345	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
432	THY 5045	X346	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
433	THY 5045	X386	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
434	THY 5045	X388	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
435	THY 5045	X429	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3
436	THY 5045	X461	Øster Vandet		Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
437	THY 5045	X464	Øster Vandet		Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
438	THY 5045	X470	Øster Vandet		Copper alloy	Whole	Beak brooch - KHN type G2 or 3

439	THY 5045	X481	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
440	THY 5045	X508	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
441	THY 5045	X521	Øster Vandet	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
442	THY 5045	X583	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
443	THY 5045	x62	Øster Vandet	Copper alloy	Small fragment	Beak brooch - KHN type G2 or 3
444	THY 5045	x67	Øster Vandet	Copper alloy	Large fragment	Beak brooch - KHN type G2 or 3
445	THY 5045	x88	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G2 or 3
446	ÅHM 5177	K162-10	Nørholm	Copper alloy	Large fragment	Beak brooch - KHN type G2 or G3
447	VSM 9948	X15	Neder Hallum	Copper alloy	Large fragment	Beak brooch - KHN type G2?
448	THY 6060	X114	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G2?
449	THY 6060	X118	Vang	Copper alloy	Whole	Beak brooch - KHN type G2?
450	THY 6060	X34	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2?
451	THY 6060	X36	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2?
452	THY 6060	X43	Vang	Copper alloy	Large fragment	Beak brooch - KHN type G2?
453	THY 6141	X4	Vester Vandet (Tandrup)	Copper alloy	Large fragment	Beak brooch - KHN type G2?
454	THY 6141	X51	Vester Vandet (Tandrup)	Copper alloy	Large fragment	Beak brooch - KHN type G2?
455	VMÅ 2674	x329	Aggersborg	Copper alloy	Large fragment	Beak brooch - KHN type G3
456	VMÅ 2674	x841	Aggersborg	Copper alloy	Large fragment	Beak brooch - KHN type G3
457	THY 5052	X19	Kuskminde	Copper alloy	Whole	Beak brooch - KHN type G3
458	ÅHM 6293	K001-5	Kølby	Copper alloy	Whole	Beak brooch - KHN type G3
459	ÅHM 5509	K003-1	Nr. Tranders/ Ø. Utrup (Ø. Sundby)	Copper alloy	Whole	Beak brooch - KHN type G3
460	ÅHM 5593	K005-3	Nr. Tranders/ Ø. Utrup (Ø. Utrup)	Copper alloy	Large fragment	Beak brooch - KHN type G3
461	ÅHM 4959	A	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G3
462	ÅHM 4959	B	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G3
463	ÅHM 5178	D026	Nørholm	Copper	Large fragment	Beak brooch - KHN type G3

464	ÅHM 6309	K025-2	Nørholm	alloy	Large fragment	Beak brooch - KHN type G3	
465	ÅHM 5177	K137-6	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G3	
466	ÅHM 5177	K142-4	Nørholm	Copper alloy	Whole	Beak brooch - KHN type G3	
467	ÅHM 5177	K191-2	Nørholm	Tinned copper alloy	Whole	Beak brooch - KHN type G3	
468	ÅHM 3695	X9	Nørholm (Nørholm Skole)	Copper alloy	Large fragment	Beak brooch - KHN type G3	
469	THY 6060	X80	Vang	Copper alloy	Small fragment	Beak brooch - KHN type G3	
470	THY 6070	X6	Vestergård	Copper alloy	Whole	Beak brooch - KHN type G3	
471	THY 3719	X174	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G3	
472	THY 3719	X312	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G3	
473	THY 3719	X356	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G3	
474	THY 3719	X559	Vestervig	Copper alloy	Large fragment	Beak brooch - KHN type G3	
475	VSM 9687	X115	Øster Kølsen	Copper alloy	Large fragment	Beak brooch - KHN type G3	
476	VSM 9687	X18	Øster Kølsen	Copper alloy	Whole	Beak brooch - KHN type G3	
477	THY 5045	X425	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G3	
478	THY 5045	X497	Øster Vandet	Copper alloy	Whole	Beak brooch - KHN type G3	
479	THY 6015	X1	Øster Vandet (N)	Copper alloy	Whole	Beak brooch - KHN type G3	
480	VMÅ 2764	x79	Louns Kirkebjerg	Copper alloy	Small fragment	Beak brooch KHN type G2	
481	VMÅ 2674	x633	Aggersborg	Copper alloy	Unknown	Bird brooch - KHN D?	
482	ÅHM 5918	K115-2	Als	Copper alloy	Whole	Bird brooch - KHN D1	
483	ÅHM 5178	K192-1	Nørholm	Copper alloy	Whole	Bird brooch - KHN D1	
484	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Bird brooch - KHN D1?	
485	ÅHM 4059	X1	Lundegårde	Tinned copper alloy	Large fragment	Bird brooch - KHN D1?	
486	THY 5045	X588	Øster Vandet	Copper alloy	Large fragment	Bird brooch - KHN D1?	

487	ÅHM 0658	Unknown	Bejsebakken	Copper alloy	Large fragment	Bird brooch - KHN type D
488	ÅHM 0961	C30533	Bejsebakken (Skelagervej/ Sofindal)	Tinned copper alloy	Whole	Bird brooch - KHN type D
489	ÅHM 0961	C30548	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Large fragment	Bird brooch - KHN type D
490	ÅHM 0961	C30574	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Whole	Bird brooch - KHN type D
491	ÅHM 0961	C30733	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Large fragment	Bird brooch - KHN type D
492	ÅHM 0961	C30745	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Whole	Bird brooch - KHN type D
493	ÅHM 0961	C30754	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Large fragment	Bird brooch - KHN type D
494	ÅHM 0961	C30765	Bejsebakken (Skelagervej/ Sofindal)	Tinned copper alloy	Whole	Bird brooch - KHN type D
495	ÅHM 0961	C30969	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Large fragment	Bird brooch - KHN type D
496	ÅHM 0961	C30973	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Small fragment	Bird brooch - KHN type D
497	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Whole	Bird brooch - KHN type D
498	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofindal)	Tinned copper alloy	Large fragment	Bird brooch - KHN type D
499	ÅHM 1482	Unknown	Bejsebakken (Sofindal, Skelagervej)	Copper alloy	Unknown	Bird brooch - KHN type D
500	ÅHM 1482	Unknown	Bejsebakken (Sofindal, Skelagervej)	Copper alloy	Unknown	Bird brooch - KHN type D
501	ÅHM 0960	K104-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Unknown	Bird brooch - KHN type D
502	ÅHM 0960	K37-1	Bejsebakken (Stolpedalsvej)	Tinned copper alloy	Fragmented (extent of fragmentation unknown)	Bird brooch - KHN type D
503	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Bird brooch - KHN type D
504	VMÅ 2764	x130	Louns Kirkebjerg	Copper alloy	Large fragment	Bird brooch - KHN type D
505	VMÅ 2764	x90	Louns Kirkebjerg	Tinned copper alloy	Large fragment	Bird brooch - KHN type D
506	ÅHM 1661	X1	Nr. Tranders/ Ø. Ulstrup (Humblebakken)	Copper alloy	Unknown	Bird brooch - KHN type D
507	ÅHM 1661	X1	Nr. Tranders/ Ø. Ulstrup (Humblebakken)	Copper alloy	Unknown	Bird brooch - KHN type D
508	ÅHM 4488	X2	Sdr. Tranders (Postgården)	Tinned? Copper	Whole	Bird brooch - KHN type D

509	THY 3719	X308	Vestervig	alloy		Small fragment	Bird brooch - KHN type D
510	ÅHM 2832	Unknown	Øland (Oksholm)	Tinned copper alloy		Unknown	Bird brooch - KHN type D
511	THY 5045	X148	Øster Vandet	Copper alloy		Whole	Bird brooch - KHN type D
512	THY 5045	X274	Øster Vandet	Copper alloy		Whole	Bird brooch - KHN type D
513	THY 5045	X329	Øster Vandet	Copper alloy		Unknown	Bird brooch - KHN type D
514	THY 5045	X476	Øster Vandet	Copper alloy		Large fragment	Bird brooch - KHN type D
515	THY 5045	X484	Øster Vandet	Copper alloy		Small fragment	Bird brooch - KHN type D
516	THY 5045	X660	Øster Vandet	Copper alloy		Whole	Bird brooch - KHN type D
517	THY 5045	X483	Øster Vandet	Copper alloy		Small fragment	Bird brooch - KHN type D1
518	THY 5052	X73	Kuskminde	Copper alloy		Large fragment	Bird brooch - KHN type D1?
519	VSM 9682	x12	Toftum Næs	Copper alloy		Large fragment	Bird brooch - KHN type D1?
520	ÅHM 5172	K250-8	Øland (Oksholm)	Tinned copper alloy		Large fragment	Bird brooch - KHN type D1? (Fig. 2z)
521	THY 5045	X306	Øster Vandet	Copper alloy		Small fragment	Bird brooch - KHN type D1?
522	THY 5045	X656	Øster Vandet	Copper alloy		Large fragment	Bird brooch - KHN type D1?
523	THY 6015	X3	Øster Vandet (N)	Copper alloy		Large fragment	Bird brooch - KHN type D1?
524	ÅHM 5918	K012-1	Als	Copper alloy		Large fragment	Bird brooch - KHN type D2
525	ÅHM 5918	K016-2	Als	Copper alloy		Whole	Bird brooch - KHN type D2
526	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Soffendal)	Tinned copper alloy		Whole	Bird brooch - KHN type D2
527	VSM 8964	X12	Kvosted	Copper alloy		Small fragment	Bird brooch - KHN type D2
528	VSM 10069	X0010	Lynderup	Copper alloy		Whole	Bird brooch - KHN type D2
529	ÅHM 6309	K024-1	Nørholm	Copper alloy		Whole	Bird brooch - KHN type D2
530	ÅHM 5178	K192-2	Nørholm	Copper alloy		Whole	Bird brooch - KHN type D2
531	ÅHM 5178	K192-5	Nørholm	Tinned		Small fragment	Bird brooch - KHN type D2

						copper alloy				
532	ÅHM 3191	K59-1	Nørholm (Nørholm Skole/Østergård)			Copper alloy		Large fragment		Bird brooch - KHN type D2
533	ÅHM 4839	X1	Nørholm (Nørholm Syd for skole)			Copper alloy		Whole		Bird brooch - KHN type D2
534	ÅHM 6303	K005-1	Sdr.Tranders (Sdr.Tranders Kirke)			Copper alloy		Large fragment		Bird brooch - KHN type D2 (Fig. 2v)
535	THY 6141	X195	Vester Vandet (Tandrup)			Copper alloy		Large fragment		Bird brooch - KHN type D2
536	THY 6141	X7	Vester Vandet (Tandrup)			Copper alloy		Large fragment		Bird brooch - KHN type D2
537	ÅHM 3699	X1	Øland (Oksholm)			Copper alloy		Large fragment		Bird brooch - KHN type D2
538	ÅHM 4394	X3	Øland (Oksholm)			Copper alloy		Large fragment		Bird brooch - KHN type D2
539	ÅHM 4417	X4	Øland (Oksholm)			Copper alloy		Whole		Bird brooch - KHN type D2
540	ÅHM 4749	X1	Øland (Urbakke)			Copper alloy		Large fragment		Bird brooch - KHN type D2
541	ÅHM 6400	K001-2	Øst for Oppelstrup			Copper alloy		Whole		Bird brooch - KHN type D2
542	THY 5045	X494	Øster Vandet			Copper alloy		Whole		Bird brooch - KHN type D2
543	THY 5045	X630	Øster Vandet			Copper alloy		Whole		Bird brooch - KHN type D2
544	ÅHM 5172	K245-5	Øland (Oksholm)			Copper alloy		Whole		Bird brooch - KHN type D2 (Fig. 2x)
545	ÅHM 5918	K075-2	Als			Copper alloy		Large fragment		Bird brooch - KHN type D2?
546	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/Sofendal)			Tinned copper alloy		Whole		Bird brooch - KHN type D2?
547	ÅHM 3191	K61-1	Nørholm (Nørholm Skole/Østergård)			Tinned copper alloy		Whole		Bird brooch - KHN type D2?
548	THY 6060	X135	Vang			Copper alloy		Large fragment		Bird brooch - KHN type D2?
549	THY 6060	X16	Vang			Copper alloy		Small fragment		Bird brooch - KHN type D2?
550	THY 5045	X416	Øster Vandet			Copper alloy		Large fragment		Bird brooch - KHN type D2?
551	ÅHM 1482	Unknown	Bejsebakken (Sofendal, Skelagervej)			Tinned copper alloy		Unknown		Bird brooch - KHN type D3?
552	ÅHM 6309	K007-1	Nørholm			Copper alloy		Whole		Bird brooch- KHN type D2
553	ÅHM 6309	K026-1	Nørholm			Copper alloy		Whole		Bird brooch- KHN type D2

554	THY 3719	X302	Vestervig	Copper alloy	Large fragment	Bird brooch- KHN type D2
555	ÅHM 0961	C30724	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Small fragment	Bird-shaped plate brooch - KHN type L3
556	ÅHM 5918	K069-5	Als	Copper alloy	Large fragment	Bird-shaped plate brooch - KHN type L3
557	ÅHM 0961	C30315	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Whole	Bird-shaped plate brooch - KHN type L3
558	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofindal)	Copper alloy	Small fragment	Bird-shaped plate brooch - KHN type L3
559	HOL 20.084	X8	St. Rydemølle syd	Copper alloy	Unknown	Bird-shaped plate brooch - KHN type L3
560	ÅHM 4487	X3	Drstrup	Copper alloy	Whole	Bird-shaped plate brooch - KHN type L3a (Fig. 2u)
561	ÅHM 5182	K119-4	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Bird-shaped plate brooch - KHN type L3a?
562	ÅHM 5891	K003-2	Hornsgård	Copper alloy	Whole	Bird-shaped plate brooch - KHN type L3b
563	THY 6070	X8	Vestergård	Copper alloy	Whole	Bird-shaped plate brooch - KHN type L3b
564	ÅHM 3692	X6	Nørholm (Nørholm Skole)	Copper alloy	Fragmented (extent of fragmentation unknown)	Brooch - type?
565	ÅHM 2403	Unknown	Sebbersund	Unknown	Unknown	Brooch - type?
566	ÅHM 1482	Unknown	Bejsebakken (Sofindal, Skelagervej)	Tinned copper alloy	Unknown	Brooch or mount - type?
567	VMÅ 2396	Unknown	Rønbergsminde	Copper alloy	Unknown	Brooch or mount - type?
568	ÅHM 5230	D001-2	Ferslev	Copper alloy and iron	Large fragment	Brooch?
569	ÅHM 4394	X2	Øland (Oksholm)	Copper alloy	Small fragment	Brooch?
570	VMÅ 2764	x9	Louns Kirkebjerg	Copper alloy	Unknown	Circular brooch - type?
571	ÅHM 5948	K001-1	Bislev	Copper alloy	Whole	Circular plate brooch - KHN type I1
572	HOL 20.305	X42	Dybe gamle Elværk	Silver?	Unknown	Circular plate brooch - KHN type I1
573	VSM 8964	X10b	Kvosted	Tinned copper alloy	Unknown	Circular plate brooch - KHN type I1
574	SMS 1161	X33	Lerdalgård	Copper alloy	Unknown	Circular plate brooch - KHN type I1
575	SMS 1161	X43	Lerdalgård	Copper alloy	Unknown	Circular plate brooch - KHN type I1
576	VMÅ 2764	x68	Louns Kirkebjerg	Copper alloy	Whole	Circular plate brooch - KHN type I1

577	VMÅ 2462	C 36341	Malle Langhøj Syd	Copper alloy	Unknown	Circular plate brooch - KHN type I1
578	VMÅ 2462	Unknown	Malle Langhøj Syd	Copper alloy	Unknown	Circular plate brooch - KHN type I1
579	VSM 9948	X22	Neder Hallum	Copper alloy	Whole	Circular plate brooch - KHN type I1
580	ÅHM 6309	K026-2	Nørholm	Copper alloy	Whole	Circular plate brooch - KHN type I1
581	ÅHM 5177	K137-1	Nørholm	Copper alloy	Whole	Circular plate brooch - KHN type I1
582	ÅHM 5177	K148-1	Nørholm	Copper alloy	Whole	Circular plate brooch - KHN type I1 (Fig. 2s)
583	ÅHM 3739	X1	Nørholm	Copper alloy	Large fragment	Circular plate brooch - KHN type I1
584	VSM 10070	X0004	Skals	Copper alloy	Whole	Circular plate brooch - KHN type I1
585	HOL 20.085	X21	Torsdal	Copper alloy	Unknown	Circular plate brooch - KHN type I1
586	THY 6060	X108	Vang	Copper alloy	Whole	Circular plate brooch - KHN type I1
587	THY 6060	X95	Vang	Tinned copper alloy	Large fragment	Circular plate brooch - KHN type I1
588	THY 3719	X254	Vestervig	Copper alloy	Large fragment	Circular plate brooch - KHN type I1
589	THY 3719	X395	Vestervig	Copper alloy	Whole	Circular plate brooch - KHN type I1
590	THY 3719	X94	Vestervig	Copper alloy	Large fragment	Circular plate brooch - KHN type I1
591	THY 5045	X173	Øster Vandet	Copper alloy	Whole	Circular plate brooch - KHN type I1
592	THY 5045	X212	Øster Vandet	Copper alloy	Whole	Circular plate brooch - KHN type I1
593	THY 5045	X253	Øster Vandet	lead	Large fragment	Circular plate brooch - KHN type I1
594	THY 5045	X537	Øster Vandet	Copper alloy	Small fragment	Circular plate brooch - KHN type I1
595	THY 5045	x65	Øster Vandet	Tinned copper alloy	Large fragment	Circular plate brooch - KHN type I1
596	THY 5045	X665	Øster Vandet	Copper alloy	Large fragment	Circular plate brooch - KHN type I1
597	THY 5045	x87	Øster Vandet	Copper alloy	Whole	Circular plate brooch - KHN type I1
598	ÅHM 5918	K005-3	Als	Copper alloy	Whole	Circular tortoise brooch - KHN type M (Fig. 2t)
599	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofendal)	Copper alloy	Large fragment	Circular tortoise brooch - KHN type M
600	ÅHM 4488	X1	Sdr.Tranders (Postgården)	Copper alloy	Whole	Circular tortoise brooch - KHN type M

601	ÅHM 0961	C30735	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Disc brooch with central mounting	
602	VMÅ 2674	x414	Aggersborg	Gilt copper alloy	Large fragment	Disc-on-bow brooch - KHN type E2	
603	ÅHM 1661	X3	Nr. Tranders/ Ø. Utrup (Humlebakken)	Gilt copper alloy	Small fragment	Disc-on-bow brooch - KHN type E2	
604	ÅHM 5924	K002-6	Sdr. Tranders	Tinned copper alloy	Small fragment	Disc-on-bow brooch - KHN type E2	
605	ÅHM 5173	K025-1	Sdr. Tranders (Postgården)	Copper alloy	Small fragment	Disc-on-bow brooch - KHN type E2	
606	ÅHM 2832	X1	Øland (Oksholm)	Gilt copper alloy	Unknown	Disc-on-bow brooch - KHN type E2	
607	VMÅ 2764	x135	Louns Kirkebjerg	Copper alloy	Whole	Equal-arm brooch - KHN type F1	
608	THY 6141	X154	Vester Vandet (Tandrup)	Tinned copper alloy	Large fragment	Equal-arm brooch - KHN type F1	
609	THY 3719	X127	Vestervig	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1	
610	THY 3719	X458	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F2	
611	THY 5045	X516	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F2	
612	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Whole	Equal-arm brooch - KHN-type F1?	
613	THY 3719	X251	Vestervig	Copper alloy	Large fragment	Equal-arm or beak brooch?	
614	ÅHM 1159	Unknown	Bejsebakken	Copper alloy	Fragmented (extent of fragmentation unknown)	Equal-arm brooch - KHN type F1	
615	ÅHM 5948	K003-5	Bislev	Tinned copper alloy	Whole	Equal-arm brooch - KHN type F1	
616	HOL 20.644	X1	Dybe Kirke	Copper alloy	Unknown	Equal-arm brooch - KHN type F1	
617	THY 6022	X3	Gl. Ørumgård	Copper alloy	Whole	Equal-arm brooch - KHN type F1	
618	SMS 1294	X1	Glyngvad Bro	Copper alloy	Unknown	Equal-arm brooch - KHN type F1	
619	HOL 20.514	X27	Gudumområdet	Copper alloy	Unknown	Equal-arm brooch - KHN type F1	
620	ÅHM 5891	K003-3	Hornsgård	Tinned copper alloy	Whole	Equal-arm brooch - KHN type F1	
621	VSM 8964	X01	Kvosted	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1	
622	VSM 8964	X21	Kvosted	Copper alloy	Whole	Equal-arm brooch - KHN type F1	

623	VSM 8964	X36	Kvosted	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
624	SMS 1161	X22	Lerdalgård	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
625	SMS 1161	X23	Lerdalgård	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
626	SMS 1161	X4	Lerdalgård	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
627	SMS 1161	X8	Lerdalgård	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
628	VMÅ 2764	x12	Louns Kirkebjerg	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
629	VMÅ 2764	x137	Louns Kirkebjerg	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
630	VMÅ 2764	x138	Louns Kirkebjerg	Copper alloy	Whole	Equal-arm brooch - KHN type F1
631	VMÅ 2764	x16	Louns Kirkebjerg	Copper alloy	Fragmented (extent of fragmentation unknown)	Equal-arm brooch - KHN type F1
632	VMÅ 2764	x38	Louns Kirkebjerg	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
633	VMÅ 2764	x44	Louns Kirkebjerg	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
634	VMÅ 2764	x5	Louns Kirkebjerg	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
635	VMÅ 2764	x65	Louns Kirkebjerg	Copper alloy	Small fragment	Equal-arm brooch - KHN type F1
636	VMÅ 2764	x91	Louns Kirkebjerg	Copper alloy	Whole	Equal-arm brooch - KHN type F1
637	VSM 9948	X3	Neder Hallum	Copper alloy	Whole	Equal-arm brooch - KHN type F1
638	VSM 9948	X5	Neder Hallum	Copper alloy	Whole	Equal-arm brooch - KHN type F1
639	ÅHM 5177	D086-1	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
640	ÅHM 5181	K015-12	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
641	ÅHM 5177	K142-2	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
642	ÅHM 5177	K142-3	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
643	ÅHM 5177	K157-8	Nørholm	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
644	ÅHM 5177	K162-8	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1 (Fig. 2k)
645	ÅHM 3887	X1	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
646	ÅHM 4503	X14	Nørholm	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1

647	ÅHM 3705	X2	Nørholm	Copper alloy	Whole	Equal-arm brooch - KHN type F1
648	ÅHM 3191	K106-2	Nørholm (Nørholm Skole/Østergård)	Copper alloy	Whole	Equal-arm brooch - KHN type F1
649	ÅHM 4056	X2	Nørholm (Nørholm Syd)	Copper alloy	Whole	Equal-arm brooch - KHN type F1
650	HOL 20.342	C34647	Sønderbygård	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
651	ÅHM 5183	K006-1	Sønderholm (Nordøst)	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
652	HOL 20.154	Unknown	Søndermølle	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
653	VSM 9682	x11	Toftum Næs	Copper alloy	Whole	Equal-arm brooch - KHN type F1
654	VSM 9682	x16	Toftum Næs	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
655	VSM 9682	X24	Toftum Næs	Copper alloy	Whole	Equal-arm brooch - KHN type F1
656	VSM 9682	X33	Toftum Næs	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
657	VSM 9682	x58	Toftum Næs	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
658	VSM 9682	x59	Toftum Næs	Copper alloy	Fragmented (extent of fragmentation unknown)	Equal-arm brooch - KHN type F1
659	VSM 9682	x9	Toftum Næs	Copper alloy	Whole	Equal-arm brooch - KHN type F1
660	HOL 20.085	X1	Torsdal	Copper alloy	Whole	Equal-arm brooch - KHN type F1
661	HOL 20.085	X18	Torsdal	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
662	HOL 20.085	X19	Torsdal	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
663	THY 6060	X100	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
664	THY 6060	X103	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
665	THY 6060	X104	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
666	THY 6060	X105	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
667	THY 6060	X106	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
668	THY 6060	X107	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1
669	THY 6060	X110	Vang	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
670	THY 6060	X126	Vang	Copper alloy	Whole	Equal-arm brooch - KHN type F1

671	THY 6060	X19	Vang		Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
672	THY 6060	X26	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
673	THY 6060	X29	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
674	THY 6060	X30	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
675	THY 6060	X39	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
676	THY 6060	X42	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
677	THY 6060	X45	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
678	THY 6060	X47	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
679	THY 6060	X5	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
680	THY 6060	X52	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
681	THY 6060	X68	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
682	THY 6060	X70	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
683	THY 6060	X73	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
684	THY 6060	X89	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
685	THY 6060	X92	Vang		Copper alloy	Whole	Equal-arm brooch - KHN type F1
686	THY 6017	X74	Vester Vandet		Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
687	THY 6141	Unknown	Vester Vandet (Tandrup)		Copper alloy	Whole	Equal-arm brooch - KHN type F1
688	THY 3719	X102	Vestervig		Copper alloy	Small fragment	Equal-arm brooch - KHN type F1
689	THY 3719	X140	Vestervig		Copper alloy	Whole	Equal-arm brooch - KHN type F1
690	THY 3719	X16	Vestervig		Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
691	THY 3719	X187	Vestervig		Copper alloy	Whole	Equal-arm brooch - KHN type F1
692	THY 3719	X223	Vestervig		Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
693	THY 3719	X238	Vestervig		Copper alloy	Whole	Equal-arm brooch - KHN type F1
694	THY 3719	X253	Vestervig		Copper alloy	Whole	Equal-arm brooch - KHN type F1
695	THY 3719	X268	Vestervig		Copper	Whole	Equal-arm brooch - KHN type F1

696	THY 3719	X326	Vestervig	alloy	Whole	Equal-arm brooch - KHN type F1
697	THY 3719	X385	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F1
698	THY 3719	X391	Vestervig	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
699	THY 3719	X397	Vestervig	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
700	THY 3719	X440	Vestervig	Copper alloy	Small fragment	Equal-arm brooch - KHN type F1
701	THY 3719	X443	Vestervig	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
702	THY 3719	X457	Vestervig	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
703	THY 3719	X480	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F1
704	THY 3719	X501	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F1
705	THY 3719	X542	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F1
706	THY 3719	X550	Vestervig	Copper alloy	Whole	Equal-arm brooch - KHN type F1
707	SMS 1279	X3	Vium	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
708	VSM 9687	X113	Øster Kølsen	Copper alloy	Whole	Equal-arm brooch - KHN type F1
709	VSM 9687	X114	Øster Kølsen	Copper alloy	Whole	Equal-arm brooch - KHN type F1
710	VSM 9687	X195	Øster Kølsen	Copper alloy	Whole	Equal-arm brooch - KHN type F1
711	VSM 9687	X207	Øster Kølsen	Copper alloy	Small fragment	Equal-arm brooch - KHN type F1
712	VSM 9687	X212	Øster Kølsen	Copper alloy	Whole	Equal-arm brooch - KHN type F1 (Fig. 2j)
713	THY 5045	X172	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
714	THY 5045	X193	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
715	THY 5045	X225	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
716	THY 5045	X227	Øster Vandet	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
717	THY 5045	X254	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
718	THY 5045	X296	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
719	THY 5045	X347	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1

720	THY 5045	X374	Øster Vandet	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
721	THY 5045	X403	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
722	THY 5045	X407	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
723	THY 5045	X448	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
724	THY 5045	X493	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
725	THY 5045	X495	Øster Vandet	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
726	THY 5045	X511	Øster Vandet	Copper alloy	Small fragment	Equal-arm brooch - KHN type F1
727	THY 5045	X513	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
728	THY 5045	X517	Øster Vandet	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
729	THY 5045	X531	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
730	THY 5045	X547	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
731	THY 5045	X619	Øster Vandet	Copper alloy	Unknown	Equal-arm brooch - KHN type F1
732	THY 5045	X620	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
733	THY 5045	x63	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
734	THY 5045	X631	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
735	THY 5045	X642	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
736	THY 5045	X659	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
737	THY 5045	X662	Øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
738	THY 5045	X667	Øster Vandet	Copper alloy	Large fragment	Equal-arm brooch - KHN type F1
739	THY 6015	X74	øster Vandet	Copper alloy	Whole	Equal-arm brooch - KHN type F1
740	ÅHM 6309	K027-1	Nørholm	Tinned copper alloy	Whole	Flat bird brooch - KHN type D
741	ÅHM 5178	K142-2	Nørholm	Copper alloy	Large fragment	Flat bird brooch - KHN type D
742	ÅHM 5177	K162-18	Nørholm	Copper alloy	Whole	Flat bird brooch - KHN type D (Fig. 2w)
743	ÅHM 4038	X10	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	Flat bird brooch - KHN type D

744	VSM 9948	X2	Neder Hallum	Copper alloy	Whole	Gotlandic animal head brooch
745	THY 5045	X463	Øster Vandet	Copper alloy	Whole	Gotlandic open-work disc brooch
746	ÅHM 5178	D018-4	Nørholm	Copper alloy	Small fragment	Hatchured equal-arm brooch - Callm. Type Store Köpinge
747	ÅHM 3696	X1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Hatchured equal-arm brooch - Callm. type Store Köpinge
748	ÅHM 3680	X5	Nørholm (Nørholm Skole)	Copper alloy	Small fragment	Hatchured equal-arm brooch - Callm. type Store Köpinge
749	THY 3924	X156	Østerild	Copper alloy	Large fragment	Hatchured equal-arm brooch - Callm. type Store Köpinge
750	ÅHM 1482	Unknown	Bejsebakken (Sofendal, Skelagervej)	Copper alloy	Unknown	Horse brooch
751	ÅHM 1482	Unknown	Bejsebakken (Sofendal, Skelagervej)	Copper alloy	Unknown	Horse brooch
752	ÅHM 1482	Unknown	Bejsebakken (Sofendal, Skelagervej)	Copper alloy	Unknown	Horse brooch
753	ÅHM 2885	X3	Sønderholm	Copper alloy	Unknown	Horse brooch
754	THY 5045	x85	Øster Vandet	Copper alloy	Large fragment	Horse brooch
755	ÅHM 0961	C33479	Bejsebakken (Skelagervej/Sofendal)	Copper alloy + alloy + glas	Large fragment	Horse brooch with mountings - KHN type L4
756	ÅHM 5158	X3	Nørholm (Nørholm Syd for skole)	Copper alloy	Small fragment	Horse brooch?
757	ÅHM 0961	C30966	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Large fragment	Large beak brooch - KHN type G
758	VMÅ 2764	x82	Louns Kirkebjerg	Copper alloy	Whole	Large bird brooch - KHN type D
759	ÅHM 0961	C30974	Bejsebakken (Skelagervej/Sofendal)	Gilt copper alloy	Whole	Large rectangular plate brooch - KHN type K1
760	ÅHM 1661	X1	Nr. Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Miniature disc-on-bow brooch - KHN type E2
761	VSM 9948	X4	Neder Hallum	Copper alloy	Whole	Miniature equal-arm brooch - KHN type F1
762	THY 3719	X96	Vestervig	Copper alloy	Whole	Miniature equal-arm brooch - KHN type F1
763	ÅHM 4681	X2	Nørholm (Nørholm (Mellemholm))	Copper alloy	Whole	Miniature rectangular plate brooch - KHN type K1
764	VMÅ 2674	x873	Aggersborg	Copper alloy	Large fragment	Miniature tortoise brooch - KHN type N1a
765	ÅHM 5182	K119-3	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Miscast beak brooch - KHN type G2
766	ÅHM 3191	K3-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Small fragment	Miscast tortoise brooch - KHN type N?
767	ÅHM 5177	K162-15	Nørholm	Copper alloy	Large fragment	Miscast/ unfinished beak brooch - KHN type G (Fig. 6a)

768	VMÅ 2674	x1083	Aggersborg	Gilt copper alloy	Large fragment	Mount or miniature tortoise brooch (KHN type N1a)
769	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work bird brooch - KHN type D3
770	ÅHM 5415	D001-1	Haverslev Kirke	Copper alloy	Whole	Open-work bird brooch - KHN type D3
771	ÅHM 5158	X1	Nørholm (Nørholm Syd for skole)	Tinned copper alloy	Large fragment	Open-work bird brooch - KHN type D3
772	ÅHM 4078	X3	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	Open-work bird brooch - KHN type D3
773	ÅHM 5918	K113-3	Als	Copper alloy	Whole	Open-work bird-shaped plate brooch - KHN type L3
774	ÅHM 4130	X1	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Open-work brooch - type?
775	THY 3719	X252	Vestervig	Copper alloy	Small fragment	Open-work brooch - type?
776	ÅHM 0961	C30747	Bejsebakken (Skelagervej/ Sofieldal)	Tinned copper alloy	Whole	Open-work eupalet-shaped brooch - KHN - type J3
777	ÅHM 5173	D004-1	Sdr. Tranders (Postgården)	Copper alloy	Small fragment	Open-work horse brooch - KHN type L4
778	ÅHM 5918	K022-1	Als	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1
779	ÅHM 0961	C30740	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1
780	ÅHM 5112	X1	Nyrup (Nyrup Syd)	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1
781	ÅHM 5178	D009	Nørholm	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1
782	ÅHM 2633	K37-3	Sdr. Tranders (Postgården)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1
783	ÅHM 5182	K097-4	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1
784	ÅHM 4117	X1	Øland (Urbakke)	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1
785	ÅHM 0961	C30573	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1?
786	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1?
787	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1?
788	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Open-work oval plate brooch - KHN type J1?
789	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1?
790	ÅHM 3191	K20-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Fragmented (extent of fragmentation unknown)	Open-work oval plate brooch - KHN type J1?

791	ÅHM 3742	X5	Tanderup	Copper alloy	Small fragment	Open-work oval plate brooch - KHN type J1?
792	ÅHM 5177	K191-1	Nørholm	Tinned copper alloy	Large fragment	Open-work oval plate brooch - KHN type J2
793	ÅHM 0961	Unknown	Bejsebakkens (Skelagervej/Sofieldal)	Copper alloy	Fragmented (extent of fragmentation unknown)	Open-work oval plate brooch. - KHN type J1?
794	THY 5045	X380	Øster Vandet	Copper alloy	Large fragment	Open-work oval plate brooch. - KHN type J1?
795	ÅHM 0961	C30762	Bejsebakkens (Skelagervej/Sofieldal)	Copper alloy	Small fragment	Open-work plate brooch - type?
796	ÅHM 1902	X1	Visse	Tinned copper alloy	Unknown	Open-work plate brooch - type?
797	THY 5045	X691	Øster Vandet	Copper alloy	Small fragment	Open-work plate brooch - type?
798	THY 5045	X369	Øster Vandet	Copper alloy	Whole	Open-work plate brooch consisting of four animal heads
799	ÅHM 2633	K38-1	Sdr. Tranders (Postgården)	Copper alloy	Small fragment	Open-work rectangular brooch - KHN type K1
800	ÅHM 5918	K017-1	Als	Tinned copper alloy	Large fragment	Open-work rectangular plate brooch - KHN type k1
801	ÅHM 0961	C30534	Bejsebakkens (Skelagervej/Sofieldal)	Copper alloy	Small fragment	Open-work rectangular plate brooch - KHN type k1
802	ÅHM 5176	K006-1	Nibe (øst)	Copper alloy	Large fragment	Open-work rectangular plate brooch - KHN type k1
803	ÅHM 5178	K192-8	Nørholm	Copper alloy	Small fragment	Open-work rectangular plate brooch - KHN type K1a?
804	ÅHM 1426	Unknown	Bejsebakkens (Markerne ved Gl. Hasseris)	Copper alloy	Unknown	Oval plate brooch - KHN type J
805	ÅHM 0960	K146-1	Bejsebakkens (Stolpedalsvej)	Copper alloy	Whole	Oval plate brooch - KHN type J
806	ÅHM 5508	D002-1	Nr. Tranders/Ø. Ulstrup (Humblebakkens)	Copper alloy	Small fragment	Oval plate brooch - KHN type J
807	ÅHM 3191	K106-4	Nørholm (Nørholm Skole/Østergård)	Copper alloy	Unknown	Oval plate brooch - KHN type J
808	ÅHM 5172	K266-3	Øland (Øksholm)	Copper alloy	Small fragment	Oval plate brooch - KHN type J
809	ÅHM 5918	K008-1	Als	Tinned copper alloy	Small fragment	Oval plate brooch - KHN type J1
810	ÅHM 5918	K038-1	Als	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
811	ÅHM 5918	K038-2	Als	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
812	ÅHM 5918	K075-3	Als	Copper alloy	Small fragment	Oval plate brooch - KHN type J1

813	ÅHM 0961	C30825	Bejsebakken (Skelagervej/ Sofieldal)	Tinned copper alloy	Small fragment	Oval plate brooch - KHN type J1
814	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
815	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
816	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofieldal)	Tinned copper alloy	Whole	Oval plate brooch - KHN type J1
817	ÅHM 4997	X1	Gjøl	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
818	ÅHM 3580	X2	Lindholm Høje	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
819	ÅHM 1340	K078-1	Lindholm Høje (Kammerdalen)	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
820	ÅHM 1661	X1	Nr. Tranders/ Ø. Ulstrup (Humblebakken)	Copper alloy	Unknown	Oval plate brooch - KHN type J1
821	ÅHM 5178	D024	Nørholm	Copper alloy	Whole	Oval plate brooch - KHN type J1
822	ÅHM 5177	D051-1	Nørholm	Copper alloy	Whole	Oval plate brooch - KHN type J1
823	ÅHM 3873	X1	Nørholm	Tinned copper alloy	Whole	Oval plate brooch - KHN type J1
824	ÅHM 3191	K23-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
825	ÅHM 3191	K30-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
826	ÅHM 4111	X2	Nørholm (Nørholm Syd)	Tinned copper alloy	Small fragment	Oval plate brooch - KHN type J1
827	ÅHM 5173	K040-1	Sdr. Tranders (Postgården)	Tinned copper alloy	Large fragment	Oval plate brooch - KHN type J1
828	ÅHM 6303	K006-1	Sdr. Tranders (Sdr. Tranders Kirke)	Tinned copper alloy	Large fragment	Oval plate brooch - KHN type J1
829	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Oval plate brooch - KHN type J1
830	ÅHM 5182	K121-1	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
831	ÅHM 4495	X1 & 2.	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Oval plate brooch - KHN type J1
832	ÅHM 5172	D011-1	Øland (Oksholm)	Copper alloy	Whole	Oval plate brooch - KHN type J1
833	ÅHM 5172	D020-1	Øland (Oksholm)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1
834	ÅHM 5172	K210-1	Øland (Oksholm)	Copper	Whole	Oval plate brooch - KHN type J1 (Fig. 2aa)

835	ÅHM 5172	K250-11	Øland (Oksholm)	alloy	Large fragment	Oval plate brooch - KHN type J1	
836	ÅHM 3704	X2	Nørholm	Copper alloy	Whole	Oval plate brooch - KHN type J1?	
837	ÅHM 4569	X3	Nørholm	Copper alloy	Small fragment	Oval plate brooch - KHN type J1?	
838	ÅHM 4113	X1	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1?	
839	ÅHM 5924	K009-2	Sdr. Tranders	Copper alloy	Large fragment	Oval plate brooch - KHN type J1?	
840	ÅHM 4389	X4	Sdr. Tranders	Copper alloy	Small fragment	Oval plate brooch - KHN type J1?	
841	ÅHM 4673	X1	Øland (Oksholm)	Copper alloy	Small fragment	Oval plate brooch - KHN type J1?	
842	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Oval plate brooch? - KHN type J1?	
843	ÅHM 5178	K192-7	Nørholm	Copper alloy	Small fragment	Oval plate brooch? - KHN type J1?	
844	VMÅ 2674	x24	Aggersborg	Copper alloy	Fragmented (extent of fragmentation unknown)	Plate brooch - type?	
845	ÅHM 5918	K113-4	Als	Copper alloy	Small fragment	Plate brooch - type?	
846	ÅHM 1159	Unknown	Bejsebakken	Copper alloy	Unknown	Plate brooch - type?	
847	ÅHM 1159	Unknown	Bejsebakken	Copper alloy	Unknown	Plate brooch - type?	
848	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Tinned copper alloy	Fragmented (extent of fragmentation unknown)	Plate brooch - type?	
849	ÅHM 3243	Unknown	Gjøl	Copper alloy	Fragmented (extent of fragmentation unknown)	Plate brooch - type?	
850	ÅHM 3243	Unknown	Gjøl	Unknown	Unknown	Plate brooch - type?	
851	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Plate brooch - type?	
852	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Plate brooch - type?	
853	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Tinned copper alloy	Fragmented (extent of fragmentation unknown)	Plate brooch - type?	
854	ÅHM 1340	X2	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Plate brooch - type?	
855	ÅHM 1661	X3	Nr. Tranders/ Ø. Utrup (Humblebakken)	Gilt copper alloy	Unknown	Plate brooch - type?	
856	ÅHM 3680	X1	Nørholm (Nørholm Skole)	Copper alloy	Small fragment	Plate brooch - type?	

857	ÅHM 2633	K19-3	Sdr.Tranders (Postgården)	Gilt copper alloy	Small fragment	Plate brooch - type?
858	ÅHM 2633	X1	Sdr.Tranders (Postgården)	Copper alloy	Fragmented (extent of fragmentation unknown)	Plate brooch - type?
859	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Plate brooch - type?
860	SMS 1228	X2	Skindersmose Bæk	Copper alloy	Unknown	Plate brooch - type?
861	ÅHM 4883	X5	Sønderholm (Sønderholm Syd)	Gilt?	Small fragment	Plate brooch - type?
862	VSM 9682	x15	Toftum Næs	Tinned copper alloy	Small fragment	Plate brooch - type?
863	THY 5045	X327	Øster Vandet	Copper alloy	Small fragment	Plate brooch - type?
864	THY 5045	X356	Øster Vandet	Copper alloy	Small fragment	Plate brooch - type?
865	THY 5045	X538	Øster Vandet	Copper alloy	Small fragment	Plate brooch - type?
866	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/Sofendal)	Tinned copper alloy	Small fragment	Plate brooch or mount
867	THY 6015	X17	Øster Vandet (N)	Copper alloy	Small fragment	Plate brooch?
868	ÅHM 4334	X1	Lundby	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1?
869	ÅHM 5172	D030-B1	Øland (Oksholm)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K
870	ÅHM 1482	Unknown	Bejsebakken (Sofendal, Skelagervej)	Copper alloy	Unknown	Rectangular plate brooch - KHN type K?
871	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Rectangular plate brooch - KHN type K?
872	VMÅ 2674	x1045	Aggersborg	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
873	VMÅ 2674	x236	Aggersborg	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
874	VMÅ 2674	x437	Aggersborg	Tinned copper alloy	Whole	Rectangular plate brooch - KHN type K1
875	ÅHM 5918	K028-3	Als	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
876	ÅHM 5918	K114-1	Als	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
877	MHM 3380	X1	Alsted	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
878	ÅHM 1146	X2	Bejsebakken	Tinned copper	Unknown	Rectangular plate brooch - KHN type K1

879	ÅHM 0961	C30532	Bejsebakkene (Skelagervej/ Sofiendal)	alloy	Whole	Rectangular plate brooch - KHN type K1
880	ÅHM 0961	C30546	Bejsebakkene (Skelagervej/ Sofiendal)	Tinned copper alloy	Whole	Rectangular plate brooch - KHN type K1
881	ÅHM 0961	C30572	Bejsebakkene (Skelagervej/ Sofiendal)	Gilt copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
882	ÅHM 0961	C30576	Bejsebakkene (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
883	ÅHM 0961	C30718	Bejsebakkene (Skelagervej/ Sofiendal)	Tinned copper alloy	Whole	Rectangular plate brooch - KHN type K1
884	ÅHM 0961	C30738	Bejsebakkene (Skelagervej/ Sofiendal)	Tinned copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
885	ÅHM 0961	C30749	Bejsebakkene (Skelagervej/ Sofiendal)	Gilt copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
886	ÅHM 0961	C30761	Bejsebakkene (Skelagervej/ Sofiendal)	Gilt copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
887	ÅHM 0961	Unknown	Bejsebakkene (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
888	VSM 9869	X94	Hjarbæk Øst	Tinned copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
889	ÅHM 5891	K003-1	Hornsgård	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
890	VSM 10069	X0005	Lynderup	Tinned copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
891	ÅHM 5508	K005-1	Nr. Tranders/ Ø. Ulstrup (Humblebakken)	Tinned copper alloy	Whole	rectangular plate brooch - KHN type K1 (Fig. 2ab)
892	ÅHM 5185	D015-1	Nyrup (Nyrup Syd)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
893	ÅHM 5270	D002-1	Nørholm	Tinned copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
894	ÅHM 5178	D030-1	Nørholm	Copper alloy	Whole	Rectangular plate brooch - KHN type K1
895	ÅHM 5178	D053-1	Nørholm	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
896	ÅHM 5181	K014-2	Nørholm	Copper alloy	Whole	Rectangular plate brooch - KHN type K1
897	ÅHM 6309	K026-3	Nørholm	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
898	ÅHM 5178	K135-5	Nørholm	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
899	ÅHM 5178	K139-1	Nørholm	Tinned	Large fragment	Rectangular plate brooch - KHN type K1

900	ÅHM 5178	K163-4	Nørholm	copper alloy	Whole	Rectangular plate brooch - KHN type K1 (Fig. 2ac)
901	ÅHM 5178	K191-1	Nørholm	Gilt copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
902	ÅHM 4348	X2	Nørholm	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
903	ÅHM 3607	X5	Nørholm	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
904	ÅHM 3950	X1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
905	ÅHM 4587	X1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
906	ÅHM 5086	X1	Nørholm (Nørholm Skole)	Copper alloy	Whole	Rectangular plate brooch - KHN type K1
907	ÅHM 3681	X2	Nørholm (Nørholm Skole)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
908	ÅHM 3191	K3-2	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
909	ÅHM 5163	X1	Nørholm (Nørholm Syd for skole)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
910	ÅHM 5158	X2	Nørholm (Nørholm Syd for skole)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
911	ÅHM 3124	K11-2	Nørholm (Nørholm Syd)	Copper alloy	Fragmented (extent of fragmentation unknown)	Rectangular plate brooch - KHN type K1
912	ÅHM 2633	K11-1	Sdr.Tranders (Postgården)	Copper alloy	Whole	Rectangular plate brooch - KHN type K1
913	ÅHM 2633	K47-2	Sdr.Tranders (Postgården)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
914	VSM 10070	X0001	Skals	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
915	ÅHM 5182	D006-2	Sønderholm (Sønderholm Syd)	Tinned copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
916	ÅHM 5182	K119-1	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
917	ÅHM 4500	X2	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
918	ÅHM 5279	X8	Tinghøj Vest	Copper alloy	Fragmented (extent of fragmentation unknown)	Rectangular plate brooch - KHN type K1
919	SMS 1276	X1	Trehøje	Copper alloy	Unknown	Rectangular plate brooch - KHN type K1
920	THY 3719	X123	Vestervig	Gilt copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
921	THY 3719	X284	Vestervig	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1

922	THY 3719	X298	Vestervig	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
923	ÅHM 5172	D107-1	Øland (Oksholm)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
924	ÅHM 5172	K215-9	Øland (Oksholm)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
925	ÅHM 5172	K266-2	Øland (Oksholm)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
926	ÅHM 5172	K270-1	Øland (Oksholm)	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
927	ÅHM 5172	K272-1	Øland (Oksholm)	Gilt copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
928	ÅHM 4699	X1	Øland (Oksholm)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
929	ÅHM 3941	X6	Øland (Oksholm)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
930	ÅHM 4749	X2	Øland (Urbakke)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
931	ÅHM 5237	D001-1	Øster Hornum (Ø. Hornum øst)	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
932	VSM 9687	X116	Øster Kølsen	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1 (Fig. 6e)
933	THY 5045	x35	Øster Vandet	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1
934	THY 5045	X482	Øster Vandet	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
935	THY 5045	X534	Øster Vandet	Copper alloy	Small fragment	Rectangular plate brooch - KHN type K1
936	VSM 9000	X1	Torsgaard	Gilt copper alloy	Large fragment	Rectangular plate brooch - KHN type K1 el. 3
937	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/Sofiendal)	Gilt copper alloy	Small fragment	Rectangular plate brooch - KHN type K1?
938	ÅHM 0960	Unknown	Bejsebakken (Stolpedalsvej)	Gilt copper alloy	Unknown	Rectangular plate brooch - KHN type K1?
939	ÅHM 5066	X2	Dall Villaby	Copper alloy	Large fragment	Rectangular plate brooch - KHN type K1?
940	ÅHM 4075	X22	Nørholm (Nørholm Skole)	Gilt copper alloy	Large fragment	Rectangular plate brooch - KHN type K1?
941	THY 3719	X4	Vestervig	Copper alloy	Fragmented (extent of fragmentation unknown)	Rectangular plate brooch - KHN type?
942	SMS 1275	X1	Selde	Gilt copper alloy	Large fragment	Rectangular plate brooch- KHN type K1
943	ÅHM 4053	X1	Øland	Copper alloy	Small fragment	Rectangular plate brooch?
944	ÅHM 4245	X8	Nørholm	Copper alloy	Small fragment	Rectangular plate brooch? - KHN type K1
945	ÅHM 4042	X1	Nørholm (Nørholm Skole)	Copper alloy	Small fragment	Rectangular plate brooch? - KHN type K1

946	ÅHM 5177	K157-6	Nørholm	Copper alloy	Whole	Rhombic plate brooch with stamped ornaments (Fig. 2y)
947	VMÅ 2674	x401	Aggersborg	Copper alloy	Whole	Serrated plate brooch
948	ÅHM 5177	K162-17	Nørholm	Tinned copper alloy	Whole	Snake brooch - KHN type L2 (Fig. 2r)
949	VMÅ 2674	x436	Aggersborg	Copper alloy	Large fragment	S-shaped brooch - KHN type L1
950	VMÅ 2764	x4	Louns Kirkebjerg	Copper alloy	Unknown	S-shaped brooch - KHN type L1
951	THY 6060	X123	Vang	Copper alloy	Whole	S-shaped brooch - KHN type L1
952	SMS 1279	X2	Vium	Copper alloy	Unknown	S-shaped brooch - KHN type L1
953	SMS 1279	X6	Vium	Copper alloy	Unknown	S-shaped brooch - KHN type L1
954	THY 6017	X680	Vester Vandet	Copper alloy	Whole	S-shaped brooch - KHN type L1?
955	THY 6134	X1	Nystrupgård	Copper alloy	Large fragment	S-shaped brooch - KHN type L1a
956	THY 5045	X213	Øster Vandet	Copper alloy	Whole	S-shaped brooch - KHN type L1a
957	THY 5045	X228	Øster Vandet	Copper alloy	Large fragment	S-shaped brooch - KHN type L1a
958	THY 6017	X58	Vester Vandet	Copper alloy	Large fragment	S-shaped brooch - KHN type L1b
959	THY 3719	X323	Vestervig	Copper alloy	Whole	S-shaped brooch - KHN type L1b
960	THY 5045	X104	Øster Vandet	Copper alloy	Whole	S-shaped brooch - KHN type L1b
961	THY 5045	x54	Øster Vandet	Copper alloy	Whole	S-shaped brooch - KHN type L1b
962	THY 5045	x92	Øster Vandet	Copper alloy	Whole	S-shaped brooch - KHN type L1b
963	THY 3719	X237	Vestervig	Copper alloy	Large fragment	S-shaped brooch - KHN type L1b?
964	ÅHM 5172	K250-10	Øland (Oksholm)	Copper alloy	Whole	S-shaped brooch - KHN type L1b? (Fig. 2q)
965	VMÅ 2764	x73	Louns Kirkebjerg	Tinned copper alloy	Small fragment	S-shaped brooch - KHN-L1?
966	VSM 10070	X0002	Skals	Copper alloy	Small fragment	S-shaped brooch - KHN-L1b?
967	ÅHM 5172	K250-9	Øland (Oksholm)	Tinned copper alloy	Whole	S-shaped brooch - ÅHM type L1b? (Fig. 2p)
968	THY 6136	X1	Hinding	Copper alloy	Large fragment	S-shaped brooch?

969	THY 6017	X6	Vester Vandet	Copper alloy	Small fragment	S-shaped or oval plate brooch
970	THY 5045	x82	Øster Vandet	Copper alloy	Large fragment	S-shaped or oval plate brooch
971	THY 6128	X1	Hjardemål	Copper alloy	Small fragment	S-shaped or snake brooch?
972	ÅHM 4095	X4	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	S-shaped plate brooch - KHN type J1?
973	VSM 9948	X19	Neder Hallum	Copper alloy	Whole	S-shaped plate brooch - KHN type L1?
974	ÅHM 5948	K003-2	Bislev	Unknown	Whole	S-shaped plate brooch - KHN type L1a
975	THY 6060	X134	Vang	Copper alloy	Large fragment	S-shaped plate brooch - KHN type L1a
976	THY 6060	X58	Vang	Copper alloy	Whole	S-shaped plate brooch - KHN type L1a
977	THY 6060	X74	Vang	Copper alloy	Whole	S-shaped plate brooch - KHN type L1a
978	VSM 9682	x10	Toftum Næs	Tinned copper alloy	Whole	S-shaped plate brooch - KHN type L1b
979	ÅHM 5172	K274-1	Øland (Oksholm)	Unknown	Large fragment	S-shaped plate brooch - KHN type L1b (Fig. 20)
980	ÅHM 5924	K009-1	Sdr. Tranders	Tinned copper alloy	Large fragment	S-shaped plate brooch - KHN type L1b?
981	ÅHM 2633	K19-1	Sdr. Tranders (Postgården)	Tinned copper alloy	Fragmented (extent of fragmentation unknown)	S-shaped plate brooch - KHN-L1?
982	ÅHM 1146	C30158	Bejsebakken	Copper alloy	Unknown	Swan-shaped brooch with serpent in beak
983	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Large fragment	Swan-shaped plate brooch
984	ÅHM 5177	K162-19	Nørholm	Copper alloy	Whole	Swan-shaped plate brooch (Fig. 2ad)
985	VMÅ 2674	x735	Aggersborg	Copper alloy	Large fragment	Tortoise brooch - KHN type N
986	ÅHM 5918	K017-3	Als	Copper alloy	Whole	Tortoise brooch - KHN type N
987	ÅHM 0961	C30730	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Large fragment	Tortoise brooch - KHN type N
988	ÅHM 0961	C30744	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Whole	Tortoise brooch - KHN type N
989	ÅHM 0961	C33473	Bejsebakken (Skelagervej/Sofendal)	Tinned copper alloy	Small fragment	Tortoise brooch - KHN type N
990	THY 3961	X8	Bjerget	Copper alloy	Large fragment	Tortoise brooch - KHN type N
991	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Tortoise brooch - KHN type N

992	ÅHM 1661	X1	Nr. Tranders/Ø. Ulstrup (Humblebakken)	Copper alloy	Unknown	Tortoise brooch - KHN type N
993	ÅHM 2832	Unknown	Øland (Oksholm)	Copper alloy	Unknown	Tortoise brooch - KHN type N
994	THY 3961	X13	Bjerget	Copper alloy	Whole	Tortoise brooch - KHN type N1
995	VSM 9869	X1	Hjarbæk Øst	Copper alloy	Large fragment	Tortoise brooch - KHN type N1
996	ÅHM 5178	D085-1	Nørholm	Copper alloy	Whole	Tortoise brooch - KHN type N1
997	SMS 1228	X1	Skindersmose Bæk	Copper alloy	Unknown	Tortoise brooch - KHN type N1
998	THY 3719	X180	Vestervig	Tinned copper alloy	Whole	Tortoise brooch - KHN type N1
999	THY 5045	x1	Øster Vandet	Copper alloy	Unknown	Tortoise brooch - KHN type N1
1000	ÅHM 5918	K113-2	Als	Copper alloy	Whole	Tortoise brooch - KHN type N1d
1001	ÅHM 5236	D001-1	Nr. Tranders/Ø. Ulstrup (Nørre Tranders)	Copper alloy	Whole	Tortoise brooch - KHN type N1d
1002	VMÅ 2674	x658	Aggersborg	Copper alloy	Large fragment	Tortoise brooch - KHN type N
1003	ÅHM 0961	C30750	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Large fragment	Tortoise brooch - KHN type N
1004	ÅHM 0961	C33516	Bejsebakken (Skelagervej/Sofendal)	Copper alloy	Whole	Tortoise brooch - KHN type N
1005	ÅHM 1661	X1	Nr. Tranders/Ø. Ulstrup (Humblebakken)	Copper alloy	Unknown	Tortoise brooch - KHN type N
1006	ÅHM 5178	D018-1	Nørholm	Copper alloy	Whole	Tortoise brooch - KHN type N
1007	ÅHM 5180	K062-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Whole	Tortoise brooch - KHN type N (FIG. 2ae)
1008	ÅHM 3679	X1	Øland (Oksholm)	Copper alloy	Large fragment	Tortoise brooch - KHN type N
1009	THY 3719	X212	Vestervig	Copper alloy	Large fragment	Tortoise brooch - KHN type N1
1010	THY 3719	X504	Vestervig	Copper alloy	Large fragment	Tortoise brooch - KHN type N1
1011	ÅHM 5595	K019-1	Sdr. Tranders (vest for)	Copper alloy	Small fragment	Tortoise brooch - KHN type N1a
1012	ÅHM 2403	K067-5	Sebbersund	Copper alloy	Whole	Tortoise brooch - KHN type N1a (Fig. 2ah)
1013	ÅHM 6309	K024-2	Nørholm	Copper alloy	Large fragment	Tortoise brooch - KHN type N1e - MR variant 2
1014	ÅHM 5595	K026-8	Sdr. Tranders (vest for)	Tinned copper alloy	Whole	Tortoise brooch - KHN type N1e - MR variant 3 (Fig. 2af)
1015	ÅHM 6200	K001-1	Smedhøje	Copper	Large fragment	Tortoise brooch - KHN type N1e - MR variant 3

1016	VSM 9687	X238	Øster Kølsten	alloy	Large fragment	Tortoise brooch - KHN type N1e MR variant 3
1017	ÅHM 5177	K145-2	Nørholm	Copper alloy	Whole	Tortoise brooch - KHN type Na
1018	ÅHM 4798	X1	Nørholm (Vesterhøje)	Tinned copper alloy	Whole	Tortoise brooch - KHN type Na
1019	ÅHM 5173	K041-1	Sdr. Tranders (Postgården)	Copper alloy	Whole	Tortoise brooch - KHN type Na

1.3. Brooches - The Viking Age

Subtypes refer to following typologies: Maixner (Maixner 2005); Jansson (Jansson 1984); Wamers (Wamers 1994); Callmer (Callmer 1999)

Cat. no.	Museum no.	ID	Site	Material	Degree of fragmentation	Type
1020	ÅHM 1661	X1	Nr.Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Animal brooch - type?
1021	ÅHM 1661	X2	Nr.Tranders/ Ø. Utrup (Humblebakken)	Copper alloy	Unknown	Animal plate brooch - type?
1022	ÅHM 5918	K072-1	Als	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1023	ÅHM 5918	K110-6	Als	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1024	THY 3961	X3	Bjerget	Copper alloy	Large fragment	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1025	ÅHM 5170	K019-1	Gjøl	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1026	ÅHM 6189	K003-1	Kettrup	Tinned copper alloy	Large fragment	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1027	ÅHM 6401	K001-1	Korup	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1028	ÅHM 2403	K67-1	Sebbersund	Tinned copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style) (Fig. 3k)
1029	ÅHM 2403	K67-2	Sebbersund	Tinned copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1030	ÅHM 5182	D019-1	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1031	ÅHM 5182	K087-1	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1032	ÅHM 5182	K117-3	Sønderholm (Sønderholm Syd)	Tinned copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1033	ÅHM 5101	X4	Øland	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1034	THY 5045	x59	Øster Vandet	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1035	ÅHM 4358	X7	Nørholm	Copper alloy	Whole	Animal plate brooch (related to Urnes-style brooch, but Mammen-/ Ringerike-style)
1036	ÅHM 3191	K20-2	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Whole	Bent rectangular plate brooch with geometric ornamentation
1037	VMÅ 2791	X1	Kaldalgård	Gilt copper alloy	Fragmented (extent of fragmentation unknown)	Bent trefoil brooch - type?
1038	VMÅ 2674	x806	Aggersborg	Copper alloy	Large fragment	Borre-style "domed trefoil" brooch
1039	VMÅ 2674	x614	Aggersborg	Copper alloy	Unknown	Bottom of doubled-shelled plate brooch
1040	SMS 1161	X24	Lerdalgård	Silver	Fragmented (extent of fragmentation)	Brooch - type?

1041	ÅHM 2403	Unknown	Sebbersund	Silver	unknown)	Fragmented (extent of fragmentation unknown)	Brooch - type?
1042	HOL 20.430	X1	Bukdal	Gilt copper alloy	Unknown	Unknown	Brooch with Borre-style animal
1043	THY 3719	X355	Vestervig	Silver	Small fragment	Small fragment	Brooch with Borre-style animal
1044	ÅHM 3692	X5	Nørholm (Nørholm Skole)	Copper alloy	Fragmented (extent of fragmentation unknown)	Fragmented (extent of fragmentation unknown)	Brooch with Borre-style ornaments - type?
1045	VMÁ 2674	x185	Aggersborg	Copper alloy	Unknown	Unknown	Brooch?
1046	ÅHM 5172	K245-2	Øland (Oksholm)	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch - Maixner type G
1047	ÅHM 4090	X2	Nyrup	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch - Maixner type G?
1048	THY 3719	X70	Vestervig	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch - type P?
1049	ÅHM 4395	X2	Nørholm	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch - type?
1050	ÅHM 3681	X3	Nørholm (Nørholm Skole)	Gilt copper alloy	Small fragment	Small fragment	Center of trefoil brooch - type?
1051	THY 3719	X471	Vestervig	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch - type?
1052	THY 3719	X449	Vestervig	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch?
1053	THY 5045	X658	Øster Vandet	Copper alloy	Small fragment	Small fragment	Center of trefoil brooch? Maixner type G1?
1054	THY 6015	X12	Øster Vandet (N)	Copper alloy	Large fragment	Large fragment	Circular plate brooch
1055	THY 6017	X23	Vester Vandet	Copper alloy	Whole	Whole	Circular plate brooch - Jansson type II or III
1056	THY 5045	X119	Øster Vandet	Copper alloy	Whole	Whole	Circular plate brooch - Jansson type II or III?
1057	THY 5052	X46	Kuskminde	Copper alloy	Whole	Whole	Circular plate brooch - Jansson type III E (Fig. 3i)
1058	THY 3719	X337	Vestervig	Copper alloy	Large fragment	Large fragment	Circular plate brooch - Jansson type III E?
1059	ÅHM 1340	X1	Lindholm Høje (Kammerdalen)	Copper alloy	Large fragment	Large fragment	Circular plate brooch - Jansson type III?
1060	THY 3719	X557	Vestervig	Copper alloy	Large fragment	Large fragment	Circular plate brooch - type?
1061	ÅHM 5177	K144-1	Nørholm	Copper alloy	Whole	Whole	Circular plate brooch with geometric interlacing
1062	ÅHM 5180	K032-1	Nørholm (Nørholm (Mellemholm))	Copper alloy	Whole	Whole	Circular plate brooch with geometric interlacing
1063	THY 3719	X247	Vestervig	Copper alloy	Large fragment	Large fragment	Circular plate brooch? - type?

1064	THY 6017	X642	Vester Vandet	Copper alloy	Large fragment	Disc brooch with image of Christ (Fig. 3q)
1065	ÅHM 6309	K024-19	Nørholm	Glitter copper alloy	Small fragment	Double shelled tortoise brooch
1066	VMÁ 2674	x512	Aggersborg	Copper alloy	Fragmented (extent of fragmentation unknown)	Double-shelled tortoise brooch
1067	ÅHM 3191	K51-3	Nørholm (Nørholm Skole/ Østergård)	Glitter copper alloy	Small fragment	Double-shelled tortoise brooch
1068	VSM 9682	x5	Toftum Næs	Copper alloy	Small fragment	Double-shelled tortoise brooch
1069	VMÁ 2791	X2	Kaldalgård	Copper alloy	Whole	Enamel brooch with cross motif - type?
1070	THY 6017	X2	Vester Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 1
1071	ÅHM 2403	X1	Sebbersund	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2
1072	ÅHM 5504	D003-2	Sebbersund (Valsted)	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2
1073	THY 6017	X194	Vester Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2
1074	THY 5045	X512	Øster Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2
1075	ÅHM 5178	D101-2	Nørholm	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2 or 3
1076	ÅHM 4095	X3	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Enamel brooch with cross motif - Wamers type 2 or 3
1077	THY 6017	X654	Vester Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 2?
1078	ÅHM 5178	K161-3	Nørholm	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3
1079	ÅHM 4067	X1	Nørholm (Nørholm Syd)	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3
1080	ÅHM 5244	D001-1	Sebbersund (Valsted) (Sebbersund (Valsted) Syd)	Copper alloy	Large fragment	Enamel brooch with cross motif - Wamers type 3
1081	ÅHM 5244	D001-1	Sebbersund (Valsted) (Sebbersund (Valsted) Syd)	Copper alloy	Large fragment	Enamel brooch with cross motif - Wamers type 3
1082	THY 6023	X1	Spanggaard	Copper alloy	Small fragment	Enamel brooch with cross motif - Wamers type 3
1083	ÅHM 5182	D021-1	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Enamel brooch with cross motif - Wamers type 3
1084	THY 3719	X27	Vestervig	Copper alloy	Small fragment	Enamel brooch with cross motif - Wamers type 3
1085	ÅHM 5172	K274-3	Øland (Oksholm)	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3 (Fig. 3s)
1086	ÅHM 6193	K001-2	Øster Hornum	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3
1087	ÅHM 6193	K015-2	Øster Hornum	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3

1088	THY 5045	X150	Øster Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3
1089	THY 5045	X501	Øster Vandet	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3
1090	VSM 9948	X20	Neder Hallum	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3?
1091	ÅHM 4611	X10	Sønderholm	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 3?
1092	ÅHM 5918	K113-10	Als	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type 4b
1093	THY 5052	X5	Kuskminde	Copper alloy	Whole	Enamel brooch with cross motif - Wamers type I
1094	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Enamel brooch with cross motif? - Wamers type 3?
1095	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Equal-arm or hilt-shaped brooch
1096	VMÅ 2674	x874	Aggersborg	Copper alloy	Small fragment	Equal-armed brooch
1097	HOL 20.514	X20	Gudumområdet	Copper alloy	Unknown	Equal-armed brooch
1098	ÅHM 5180	K071-1	Nørholm	Copper alloy	Whole	Equal-armed brooch - Callmer type - Early Ljones series (Fig. 3b)
1099	THY 5045	X146	Øster Vandet	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Early Ljones series
1100	ÅHM 4582	X2	Drstrup	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Ljonesjösserie
1101	ÅHM 4358	X6	Nørholm	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Ljonesjösserie
1102	THY 3719	X286	Vestervig	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Valsta group
1103	ÅHM 5918	K028-1	Als	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Valsta group?
1104	ÅHM 3124	K12-1	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Valsta group?
1105	ÅHM 5918	K075-1	Als	Copper alloy	Large fragment	Equal-armed brooch - Callmer type - Öbbestorp series (Fig. 3c)
1106	THY 5052	X12	Kuskminde	Copper alloy	Large fragment	Equal-armed brooch - Callmer type - Öbbestorp series
1107	THY 5045	x51	Øster Vandet	Copper alloy	Small fragment	Equal-armed brooch - Callmer type - Öbbestorp series?
1108	ÅHM 5595	K015-1	Sdr. Tranders (vest for)	Tinned copper alloy	Small fragment	Equal-armed brooch - Callmer type - Söderby
1109	VMÅ 2674	x795	Aggersborg	Copper alloy	Large fragment	Equal-armed brooch - type?
1110	ÅHM 0961	C30550	Bejsebakken (Skelagervej/ Sofendal)	Copper alloy	Small fragment	Equal-armed brooch - type?
1111	ÅHM 0961	C30824?	Bejsebakken (Skelagervej/ Sofendal)	Copper alloy	Unknown	Equal-armed brooch - type?
1112	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofendal)	Copper	Small fragment	Equal-armed brooch - type?

1113	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	alloy	Small fragment	Equal-armed brooch - type?
1114	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Gilt copper alloy	Small fragment	Equal-armed brooch - type?
1115	ÅHM 1340	K134-1	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Equal-armed brooch - type?
1116	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Equal-armed brooch - type?
1117	ÅHM 5177	D015-1	Nørholm	Copper alloy	Unknown	Equal-armed brooch - type?
1118	ÅHM 4400	X3	Nørholm	Copper alloy	Small fragment	Equal-armed brooch - type?
1119	ÅHM 5180	K048-2	Nørholm (Nørholm (Mellemholm))	Copper alloy	Small fragment	Equal-armed brooch - type?
1120	ÅHM 2463	K32-5	Nørholm (Nørholm (Mellemholm))	Copper alloy	Large fragment	Equal-armed brooch - type?
1121	ÅHM 3695	X11	Nørholm (Nørholm Skole)	Copper alloy	Small fragment	Equal-armed brooch - type?
1122	THY 3719	X36	Vestervig	Copper alloy	Small fragment	Equal-armed brooch - type?
1123	ÅHM 5172	D008-1	Øland (Oksholm)	Copper alloy	Small fragment	Equal-armed brooch - type?
1124	ÅHM 3242	Unknown	Øster Hornum (Kirke)	Copper alloy	Unknown	Equal-armed brooch - type?
1125	THY 5045	X251	Øster Vandet	Copper alloy	Large fragment	Equal-armed brooch - type?
1126	THY 5045	X394	Øster Vandet	Copper alloy	Small fragment	Equal-armed brooch - Öbbestorpserie?
1127	VMÅ 2674	x1024	Aggersborg	Copper alloy	Large fragment	Equal-armed brooch - type?
1128	ÅHM 5918	K101-2	Als	Copper alloy	Small fragment	Equal-armed brooch - type?
1129	ÅHM 1146	X4	Bejsebakken	Copper alloy	Unknown	Equal-armed brooch - type?
1130	ÅHM 0961	C30760	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Equal-armed brooch - type?
1131	VSM 9335	X1	Galgebakke agre	Copper alloy	Small fragment	Equal-armed brooch - type?
1132	ÅHM 4950	X2	Nørholm (Nørholm Syd for skole)	Copper alloy	Small fragment	Equal-armed brooch - type?
1133	THY 5045	X290	Øster Vandet	Copper alloy	Small fragment	Equal-armed brooch - type?
1134	ÅHM 5178	K185-5	Nørholm	Copper alloy	Small fragment	Equal-armed brooch? - type?
1135	ÅHM 0961	K054-1	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Hilt-shaped brooch
1136	ÅHM 5595	K017-1	Sdr. Tranders (vest for)	Copper alloy	Small fragment	Hilt-shaped brooch
1137	SMS 1278	X1	Floustrup	Copper	Small fragment	Hilt-shaped brooch?

1138	VSM 9335	X7	Galgebakke agre	alloy	Small fragment	knob of double-shelled tortoise brooch
1139	VSM 9687	X214	Øster Kølsen	Copper alloy	Small fragment	Knob of double-shelled tortoise brooch
1140	VSM 9687	X77	Øster Kølsen	Copper alloy	Small fragment	knob of double-shelled tortoise brooch
1141	ÅHM 4245	X13	Nørholm	Copper alloy	Small fragment	Knob of tortoise brooch
1142	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Knob of tortoise brooch?
1143	ÅHM 5918	K113-1	Als	Copper alloy	Large fragment	Large circular brooch - Jansson type II A4?
1144	ÅHM 4358	X4	Nørholm	Copper alloy	Small fragment	Lobe of Brooch - type?
1145	ÅHM 0961	C30543	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1.13
1146	ÅHM 5924	K002-2	Sdr.Tranders	Tinned copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type E 1.2
1147	ÅHM 2633	K16-1	Sdr.Tranders (Postgården)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type E 3.1
1148	ÅHM 6294	K002-1	Birket	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type E?
1149	ÅHM 5918	K095-1	Als	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G
1150	ÅHM 4049	X2	Sønderholm (Sønderholm Syd)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G
1151	ÅHM 5918	K113-6	Als	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1.1?
1152	ÅHM 5185	D015-2	Nyrup (Nyrup Syd)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1.2-3
1153	ÅHM 0961	C30721	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1.6
1154	ÅHM 5178	D018-3	Nørholm	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1.6
1155	ÅHM 3607	X3	Nørholm	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G 1?
1156	THY 6017	X203	Vester Vandet	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G/E?
1157	THY 3961	X4	Bjerget	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G1?
1158	ÅHM 4817	X5	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G1?
1159	THY 5045	X479	Øster Vandet	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G1?
1160	THY 5045	X628	Øster Vandet	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type G1?
1161	ÅHM 0968	K1-4	Kongelunden	Tinned copper	Small fragment	Lobe of trefoil brooch - Maixner type P 2.6

1162	ÅHM 4663	X1	Nørholm	alloy	Small fragment	Lobe of trefoil brooch - Maixner type P 2?
1163	ÅHM 4358	X3	Nørholm	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P 7.7-11?
1164	ÅHM 4293	X2	Nørholm	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P 7?
1165	ÅHM 6193	K004-2	Øster Hornum	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P 7?
1166	THY 6060	X35	Vang	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P?
1167	THY 3719	X283	Vestervig	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P?
1168	THY 3719	X303	Vestervig	Copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type P7?
1169	ÅHM 0961	C30539	Bejsebakken (Skelagervej/ Sofiendal)	Tinned copper alloy	Small fragment	Lobe of trefoil brooch - Maixner type?
1170	ÅHM 5941	K001-1	Gelstrup	Copper alloy	Small fragment	Lobe of trefoil brooch? - Maixner type P 7?
1171	VMÅ 2674	x798	Aggersborg	Copper alloy	Large fragment	Lobe of trefoil brooch? - type?
1172	VMÅ 2674	x911	Aggersborg	Copper alloy	Whole	Lozenge brooch
1173	VSM 9948	X18	Neder Hallum	Copper alloy	Large fragment	Lozenge brooch
1174	THY 6019	X1	Ræhr	Copper alloy	Whole	Lozenge brooch (Fig. 3f)
1175	THY 3719	X393	Vestervig	Copper alloy	Whole	Lozenge brooch
1176	THY 5045	X171	Øster Vandet	Copper alloy	Whole	Lozenge brooch
1177	ÅHM 5177	D039-3	Nørholm	Copper alloy	Small fragment	Open-work brooch - type?
1178	ÅHM 4962	X1	Nørholm	Copper alloy	Large fragment	Open-work equal-armed brooch with male figure wearing horned helmet
1179	VMÅ 2376	D453/2006	Soldalgård I	Copper alloy	Unknown	Open-work oval animal brooch
1180	ÅHM 5504	D001-1	Sebbersund (Valsted)	Copper alloy	Small fragment	Open-work plate brooch - type?
1181	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Large fragment	Open-work rectangular equal-armed brooch - type?
1182	VMÅ 2674	x366	Aggersborg	Copper alloy	Whole	Open-work S-shaped brooch with Jelling style animal (Fig. 3j)
1183	VMÅ 2161	Unknown	Malle Overdrev	Copper alloy	Small fragment	Oval brooch - type? (Jelling style)
1184	VMÅ 2674	x569	Aggersborg	Copper alloy	Unknown	Plate brooch - type?
1185	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Plate brooch - type?

1186	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Plate brooch - type?
1187	VMÅ 2764	x24	Louns Kirkebjerg	Copper alloy	Unknown	Plate brooch - type?
1188	VMÅ 2674	x551	Aggersborg	Copper alloy	Unknown	Plate brooch with animal motif - type?
1189	THY 3719	X208	Vestervig	Copper alloy	Large fragment	Plate brooch with male face motif (reused pin terminal?)
1190	THY 3719	X143	Vestervig	Silver	Small fragment	Plate brooch with mounting of red garnet
1191	THY 5045	X515	Øster Vandet	Copper alloy	Whole	Plateau build enamel brooch with cross motif
1192	THY 3719	X567	Vestervig	Copper alloy	Large fragment	Plateau build enamel brooch with cross motif - Roskilde-schuby type
1193	THY 6018	X11	Nørhå	Copper alloy	Large fragment	Plateau build disc brooch with simple cross
1194	ÅHM 4821	X4	Nørholm	Copper alloy	Whole	Plateau build disc brooch with simple cross - Roskilde-Schuby type
1195	ÅHM 5181	K015-14	Nørholm	Copper alloy	Whole	Plateau build enamel brooch with cross motif - Roskilde-schuby type
1196	ÅHM 6309	K024-18	Nørholm	Copper alloy	Whole	Plateau build Enamel brooch with cross motif - Roskilde-Schuby type (Fig. 3u)
1197	THY 5045	X2	Øster vandet	Copper alloy	Large fragment	Plateau build enamel brooch with several mountings (Carolingian-Ottonian type)
1198	THY 6017	X145	Vester Vandet	Copper alloy + enamel	Whole	Plateau build small circular brooch with animal motive (Carolingian-Ottonian type)
1199	ÅHM 0961	C30542	Bejsebakken (Skelagervej/ Sofendal)	Copper alloy	Whole	Rectangular equal-armed brooch - type?
1200	ÅHM 5595	D001-1	Sdr. Tranders (vest for)	Copper alloy	Small fragment	Rectangular open-work plate brooch
1201	VMÅ 2674	x957	Aggersborg	Copper alloy	Large fragment	Rectangular plateau build brooch (Carolingian-Ottonian type)
1202	ÅHM 5182	K117-5	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Rectangular plateau build brooch (Carolingian-Ottonian type) (Fig. 3r)
1203	VSM 9948	X1	Neder Hallum	Tinned copper alloy	Large fragment	Råhede-Type Brooch
1204	THY 6017	X676	Vester Vandet	Copper alloy	Small fragment	Råhede-type Brooch?
1205	THY 3719	X370	Vestervig	Gilt copper alloy	Whole	Small circular brooch - Jansson type I?
1206	VSM 9682	x6	Toftum Næs	Gilt copper alloy	Large fragment	Small circular brooch - Jansson type III? (Fig. 3h)
1207	ÅHM 6300	K001-3	Torderup	Gilt copper alloy	Large fragment	Small circular brooch - Jansson type III?
1208	ÅHM 5177	K126-1	Nørholm	Gilt copper alloy	Whole	Small circular brooch - Jansson type IV A2 (Fig. 3g)
1209	THY 5045	X551	Øster Vandet	Gilt copper alloy	Whole	Small circular brooch - Jansson type IV2A
1210	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofendal)	Copper	Whole	Small circular brooch - type?

1211	ÅHM 3191	K62-8	Nørholm (Nørholm Skole/ Østergård)	alloy	Unknown	Small circular brooch - type?	
1212	ÅHM 2633	K1-1	Sdr. Tranders (Postgården)	Gilt copper alloy	Large fragment	Small circular brooch - type?	
1213	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Small circular brooch - type?	
1214	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Small circular brooch - type?	
1215	THY 3719	X44	Vestervig	Copper alloy	Large fragment	Small circular brooch - Jansson type II or III	
1216	THY 5045	X334	Øster Vandet	Copper alloy	Whole	Small circular brooch - Jansson type III E	
1217	ÅHM 1146	X9	Bejsebakken	Gilt copper alloy	Unknown	Small circular brooch - Jansson type IV?	
1218	VMÅ 2674	x278	Aggersborg	Copper alloy	Unknown	Small circular brooch - type?	
1219	VMÅ 2674	x634	Aggersborg	Copper alloy	Unknown	Small circular brooch - type?	
1220	VMÅ 2674	x829	Aggersborg	Gilt copper alloy	Whole	Small circular brooch - type?	
1221	ÅHM 0961	C30575	Bejsebakken (Skelagervej/ Sofieldal)	Copper alloy	Whole	Small circular brooch - type?	
1222	ÅHM 0961	C30826	Bejsebakken (Skelagervej/ Sofieldal)	Gilt copper alloy	Whole	Small circular brooch - type?	
1223	SMS 1217	X1	Bysted Mark	Gilt copper alloy	Unknown	Small circular brooch - type?	
1224	ÅHM 3243	Unknown	Gjøl	Copper alloy	Unknown	Small circular brooch - type?	
1225	ÅHM 1413	Unknown	Hvorup	Copper alloy	Unknown	Small circular brooch - type?	
1226	ÅHM 1379	Unknown	Kongelunden	Copper alloy	Unknown	Small circular brooch - type?	
1227	SMS 1161	X1	Lerdalgård	Gilt copper alloy	Unknown	Small circular brooch - type?	
1228	SMS 1161	X13	Lerdalgård	Gilt copper alloy	Unknown	Small circular brooch - type?	
1229	VMÅ 2764	x76	Louns Kirkebjerg	Gilt copper alloy	Large fragment	Small circular brooch - type?	
1230	ÅHM 1661	X1	Nr. Tranders/ Ø. Utrup (Humlebakken)	Copper alloy	Unknown	Small circular brooch - type?	
1231	THY 3719	X228	Vestervig	Copper alloy	Unknown	Small circular brooch - type?	
1232	ÅHM 3191	K62-1	Nørholm (Nørholm Skole/ Østergård)	Gilt copper alloy	Whole	Small circular brooch with animal motive	
1233	VMÅ 2764	x129	Louns Kirkebjerg	Copper alloy	Whole	Small domed circular brooch - Jansson type I A1	
1234	THY 5052	X14	Kuskminde	Copper alloy	Whole	Small domed circular brooch - Jansson type I A2	
1235	VMÅ 2674	x1012	Aggersborg	Copper	Whole	Small domed circular brooch - Jansson type II A	

1236	THY 5045	X275	Øster Vandet	alloy	Large fragment	Small domed circular brooch - Jansson type II D
1237	THY 3719	X169	Vestervig	Copper alloy	Large fragment	Small domed circular brooch - Jansson type II or III
1238	THY 5045	x29	Øster Vandet	Copper alloy	Whole	Small domed circular brooch - Jansson type II or III?
1239	ÅHM 5172	K266-1	Øland (Oksholm)	Copper alloy	Whole	Small domed circular brooch - Jansson type II?
1240	THY 5045	X186	Øster Vandet	Gilt copper alloy	Large fragment	Small domed circular brooch - Jansson type II?
1241	THY 5045	X420	Øster Vandet	Copper alloy	Whole	Small domed circular brooch - Jansson type III
1242	THY 3719	X239	Vestervig	Copper alloy	Large fragment	Small domed circular brooch - Jansson type III?
1243	THY 3719	X329	Vestervig	Gilt copper alloy	Large fragment	Small domed circular brooch - Jansson type III?
1244	THY 5045	X140	Øster Vandet	Gilt copper alloy	Whole	Small domed circular brooch - Jansson type III?
1245	THY 6019	X5	Ræhr	Copper alloy	Large fragment	Small domed circular brooch - Jansson type?
1246	ÅHM 1482	Unknown	Bejsebakken (Sofieldal, Skelagervej)	Copper alloy	Unknown	Small domed circular brooch - type?
1247	ÅHM 5178	D004-7	Nørholm	Copper alloy	Whole	Small domed circular brooch - type?
1248	ÅHM 2403	Unknown	Sebbersund	Gilt copper alloy	Unknown	Small domed circular brooch - type?
1249	VSM 10070	X0003	Skals	Gilt copper alloy	Whole	Small domed circular brooch - type?
1250	THY 3719	X129	Vestervig	Gilt copper alloy	Large fragment	Small domed circular brooch - type?
1251	THY 3719	X150	Vestervig	Copper alloy	Whole	Small domed circular brooch - type?
1252	THY 3719	X99	Vestervig	Copper alloy	Whole	Small domed circular brooch - type?
1253	VMÅ 2674	x1037	Aggersborg	Gilt copper alloy	Whole	Small domed circular brooch - Jansson type I?
1254	ÅHM 5172	K215-1	Øland (Oksholm)	Copper alloy	Whole	Small domed circular brooch - Jansson type II A
1255	THY 3719	X227	Vestervig	Copper alloy	Large fragment	Small domed circular brooch - Jansson type II A?
1256	ÅHM 5505	D001-1	Ferslev	Copper alloy	Whole	Small domed circular brooch - Jansson type II D?
1257	VMÅ 2674	x317	Aggersborg	Gilt copper alloy	Whole	Small domed circular brooch - type?
1258	VMÅ 2764	x93	Louns Kirkebjerg	Copper alloy	Whole	Small domed circular brooch - type?
1259	ÅHM 5414	D001-1	Sebbersund (Valsted)	Copper alloy	Large fragment	Small domed circular brooch , - Jansson type II or III?
1260	ÅHM 1145	X10	Bejsebakken (Stolpedalsvej)	Copper	Unknown	Small open-work brooch - type?

1261	ÅHM 5244	D001-4	Sebbersund (Valsted) (Sebbersund (Valsted) Syd)	alloy	Whole	Square open-work brooch	
1262	ÅHM 5918	K001-9	Als	Copper alloy	Whole	S-shaped open-work animal plate brooch (related to Urnes-style brooch)	
1263	ÅHM 5101	X3	Øland	Copper alloy	Whole	S-shaped open-work animal plate brooch (related to Urnes-style brooch)	
1264	ÅHM 5177	D008-3	Nørholm	Copper alloy	Large fragment	Tongue-shaped plate Brooch	
1265	ÅHM 6342	K004-1	Kollerup	Copper alloy	Large fragment	Tongue-shaped plate brooch	
1266	ÅHM 6342	K004-2	Kollerup	Copper alloy	Large fragment	Tongue-shaped plate brooch	
1267	ÅHM 4358	X5	Nørholm	Copper alloy	Large fragment	Tongue-shaped plate brooch	
1268	ÅHM 5924	K002-7	Sdr. Tranders	Tinned copper alloy	Large fragment	Tongue-shaped plate brooch	
1269	THY 6017	X18	Vester Vandet	Copper alloy	Whole	Tongue-shaped plate brooch (Fig. 3a)	
1270	ÅHM 5595	K026-4	Sdr. Tranders (vest for)	Copper alloy	Large fragment	Tongue-shaped plate brooch	
1271	ÅHM 4846	X1	Vester Hassing (Sydøst kirke)	Copper alloy	Small fragment	Tongue-shaped plate brooch?	
1272	VMÅ 2674	x328	Aggersborg	Copper alloy	Small fragment	Tortoise brooch - Berdal type	
1273	VSM 9682	x13	Toftum Næs	Copper alloy	Small fragment	Tortoise brooch - type P51	
1274	VMÅ 2674	x40	Aggersborg	Gilt copper alloy	Fragmented (extent of fragmentation unknown)	Tortoise brooch - type?	
1275	ÅHM 5918	K016-1	Als	Copper alloy	Large fragment	Tortoise brooch - type?	
1276	ÅHM 0960	K39-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Small fragment	Tortoise brooch - type?	
1277	ÅHM 4569	X7	Nørholm	Copper alloy	Small fragment	Tortoise brooch - Type?	
1278	ÅHM 3191	K23-2	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Small fragment	Tortoise brooch - type?	
1279	ÅHM 4116	X2	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Tortoise brooch - type?	
1280	HOL 15.047	Unknown	Trabjerg	Copper alloy	Unknown	Tortoise brooch - type?	
1281	ÅHM 5006	X2	Øland (Oksholm)	Copper alloy	Small fragment	Tortoise brooch - type?	
1282	VSM 9687	X76	Øster Kølsen	Copper alloy	Small fragment	Tortoise brooch - type?	
1283	VMÅ 2764	x132	Louns Kirkebjerg	Copper alloy	Small fragment	Tortoise brooch?	

1284	ÅHM 0797	X1	Bejsebakken	Tinned copper alloy	Unknown	Trefoil brooch - Maixner type E 4.2
1285	ÅHM 2403	C31381	Sebbersund	Copper alloy	Unknown	Trefoil brooch - Maixner type G 4.1
1286	THY 6017	X166	Vester Vandet	Copper alloy	Large fragment	Trefoil brooch - Maixner type E 1?
1287	ÅHM 1340	K091-1	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Trefoil brooch - Maixner type E?
1288	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Trefoil brooch - Maixner type E?
1289	ÅHM 5178	D006-1	Nørholm	Copper alloy	Large fragment	Trefoil brooch - Maixner type E?
1290	THY 5052	X50	Kuskminde	Copper alloy	Large fragment	Trefoil brooch - Maixner type E 1.2?
1291	ÅHM 5177	K157-1	Nørholm	Copper alloy	Large fragment	Trefoil brooch - Maixner type E-F?
1292	HOL 20.482	C36938	Toftgård	Gilt copper alloy	Unknown	Trefoil brooch - Maixner type F/Z?
1293	ÅHM 5918	K010-5	Als	Copper alloy	Whole	Trefoil brooch - Maixner type F? (Fig. 3e)
1294	ÅHM 0961	C30535	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Small fragment	Trefoil brooch - Maixner type G 1.3
1295	ÅHM 4095	X1	Nørholm (Nørholm Syd)	Copper alloy	Large fragment	Trefoil brooch - Maixner type G 1?
1296	ÅHM 2463	K38 - 6	Nørholm (Nørholm (Mellemholm)	Copper alloy	Small fragment	Trefoil brooch - Maixner type G 3.1
1297	ÅHM 2633	K9-4	Sdr. Tranders (Postgården)	Copper alloy	Large fragment	Trefoil brooch - Maixner type G 4.1
1298	ÅHM 4582	X1	Drstrup	Copper alloy	Whole	Trefoil brooch - Maixner type G.1.17?
1299	VMÅ 2764	x92	Louns Kirkebjerg	Copper alloy	Small fragment	Trefoil brooch - Maixner type G?
1300	ÅHM 5178	K142-3	Nørholm	Copper alloy	Small fragment	Trefoil brooch - Maixner type G?
1301	ÅHM 3191	K42-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Large fragment	Trefoil brooch - Maixner type G?
1302	ÅHM 4112	X2	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Trefoil brooch - Maixner type G?
1303	THY 3719	X258	Vestervig	Copper alloy	Small fragment	Trefoil brooch - Maixner type G?
1304	THY 5045	X686	Øster Vandet	Copper alloy	Large fragment	Trefoil brooch - Maixner type G?
1305	THY 5045	x83	Øster Vandet	Copper alloy	Whole	Trefoil brooch - Maixner type G1.9?
1306	VSM 8964	X23	Kvosted	Copper alloy	Large fragment	Trefoil brooch - Maixner type G1?
1307	ÅHM 4490	X1	Sønderholm (Syd for kirke)	Copper alloy	Large fragment	Trefoil brooch - Maixner type G1?
1308	ÅHM 0960	K39-2	Bejsebakken (Stolpedalsvej)	Copper	Small fragment	Trefoil brooch - Maixner type P 1.6

1309	ÅHM 2401	X2	Hvorup nymark	alloy	Copper alloy	Whole	Trefoil brooch - Maixner type P 7.6
1310	ÅHM 5182	K094-1	Sønderholm (Sønderholm Syd)	Gilt copper alloy	Gilt copper alloy	Whole	Trefoil brooch - Maixner type P 7? (Fig. 3d)
1311	ÅHM 0961	C33474	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - Maixner type P 9.1
1312	VMÅ 2674	x741	Aggersborg	Tinned copper alloy	Tinned copper alloy	Small fragment	Trefoil brooch - Maixner type P?
1313	MHM 3387	X10	Frøslev	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - Maixner type P?
1314	ÅHM 3124	K12-3	Nørholm (Nørholm Syd)	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - Maixner type P?
1315	THY 6060	X8	Vang	Tinned copper alloy	Tinned copper alloy	Whole	Trefoil brooch - Maixner type P4/7?
1316	ÅHM 2403	C31376	Sebbersund	Tinned copper alloy	Tinned copper alloy	Unknown	Trefoil brooch - Maixner type P4?
1317	ÅHM 4907	X1	Vester Hassing (V. Hassing Kirke)	Copper alloy	Copper alloy	Large fragment	Trefoil brooch - Maixner type P7.7?
1318	THY 5045	X188	Øster Vandet	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - Maixner type P9?
1319	ÅHM 4358	X2	Nørholm	Gilt copper alloy	Gilt copper alloy	Small fragment	Trefoil brooch - Maixner type Z 6.1
1320	VMÅ 2674	x252	Aggersborg	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1321	VMÅ 2674	x48	Aggersborg	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1322	ÅHM 0961	C30746	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Copper alloy	Whole	Trefoil brooch - type?
1323	HOL 20.305	X40	Dybe gamle Elværk	Silver?	Silver?	Unknown	Trefoil brooch - type?
1324	HOL 20.305	X40	Dybe gamle Elværk	Silver?	Silver?	Unknown	Trefoil brooch - type?
1325	ÅHM 3243	Unknown	Gjøl	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1326	ÅHM 1340	K129-2	Lindholm Høje (Kammerdalen)	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1327	ÅHM 1340	K134-4	Lindholm Høje (Kammerdalen)	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1328	ÅHM 3124	K11-3	Nørholm (Nørholm Syd)	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - type?
1329	THY 3719	X342	Vestervig	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - type?
1330	THY 3719	X59	Vestervig	Copper alloy	Copper alloy	Small fragment	Trefoil brooch - type?
1331	ÅHM 2832	X5	Øland (Oksholm)	Copper alloy	Copper alloy	Unknown	Trefoil brooch - type?
1332	THY 3719	X28	Vestervig	Copper alloy	Copper alloy	Small fragment	Trefoil or tongue-shaped brooch

1333	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Fragmented (extent of fragmentation unknown)	Two knobs of tortoise brooch
1334	ÅHM 5924	Unknown	Sdr. Tranders	Copper alloy	Whole	Valkyrie Brooch

1.4. Brooches - The Viking Age-The Early Middle Ages

Cat. no.	Museum no.	ID	Site	Material	Degree of fragmentation	Type
1335	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Circular brooch with enamel -type?
1336	SMS G328	Unknown	Viborg Kaserne	Copper alloy	Unknown	Circular brooch with enamel -type?
1337	ÅHM 4348	X1	Nørholm	Copper alloy	Large fragment	Circular enamel brooch - type?
1338	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Circular enamel brooch - type?
1339	VMÅ 2674	x679	Aggersborg	Copper alloy	Whole	Coin brooch
1340	THY 6017	X5	Vester Vandet	Copper alloy	Whole	Coin brooch
1341	THY 6017	X580	Vester Vandet	Copper alloy	Unknown	Coin brooch
1342	ÅHM 4489	X1	Nr. Tranders/ Ø.Ulstrup (Nr. Tranders)	Copper alloy	Whole	Cruciform brooch with several mountings (Fig. 3t)
1343	VMÅ 2674	X1081	Aggersborg	Copper alloy	Unknown	Disc brooch with central mounting
1344	VMÅ 2674	x796	Aggersborg	Copper alloy	Large fragment	Disc brooch with central mounting
1345	ÅHM 0961	C30316	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Disc brooch with central mounting
1346	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Disc brooch with central mounting
1347	THY 5052	X45	Kuskminde	Copper alloy	Whole	Disc brooch with central mounting
1348	ÅHM 1340	K049-1	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Disc brooch with central mounting
1349	VMÅ 2764	x89	Louns Kirkebjerg	Copper alloy	Whole	Disc brooch with central mounting
1350	ÅHM 5177	D005-2	Nørholm	Copper alloy	Whole	Disc brooch with central mounting
1351	ÅHM 5177	D009-1	Nørholm	Copper alloy	Large fragment	Disc brooch with central mounting
1352	ÅHM 5177	D011-4	Nørholm	Copper alloy	Whole	Disc brooch with central mounting
1353	ÅHM 5177	D079-1	Nørholm	Copper alloy	Whole	Disc brooch with central mounting
1354	ÅHM 4058	X1	Nørholm	Copper alloy	Whole	Disc brooch with central mounting
1355	ÅHM 5159	X11	Nørholm	Copper alloy	Small fragment	Disc brooch with central mounting
1356	ÅHM 4245	X17	Nørholm	Copper alloy	Whole	Disc brooch with central mounting
1357	ÅHM 4505	X2	Nørholm	Copper alloy	Large fragment	Disc brooch with central mounting
1358	ÅHM 4063	X1	Nørholm (Nørholm Skole)	Copper	Whole	Disc brooch with central mounting

1359	ÅHM 2403	X6	Sebbersund	alloy	Whole	Disc brooch with central mounting	
1360	VSM 10070	X0005	Skals	Copper alloy	Large fragment	Disc brooch with central mounting	
1361	ÅHM 6388	K001-1	Skelund	Copper alloy	Whole	Disc brooch with central mounting	
1362	THY 6023	X2	Spanggaard	Copper alloy	Whole	Disc brooch with central mounting	
1363	ÅHM 4527	X6	Sønderholm	Copper alloy	Whole	Disc brooch with central mounting	
1364	ÅHM 5182	D012-3	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Disc brooch with central mounting	
1365	THY 6060	X96	Vang	Copper alloy	Large fragment	Disc brooch with central mounting	
1366	THY 6017	X28	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1367	THY 6017	X551	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1368	THY 6017	X61	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1369	THY 6017	X62	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1370	THY 6017	X66	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1371	THY 6017	X673	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1372	THY 6017	X691	Vester Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1373	THY 3719	X422	Vestervig	Copper alloy	Unknown	Disc brooch with central mounting	
1374	THY 3719	X98	Vestervig	Copper alloy	Whole	Disc brooch with central mounting	
1375	ÅHM 5172	D033-6	Øland (Oksholm)	Copper alloy	Whole	Disc brooch with central mounting	
1376	ÅHM 5172	K248-15	Øland (Oksholm)	Copper alloy	Whole	Disc brooch with central mounting	
1377	ÅHM 5172	K250-6	Øland (Oksholm)	Copper alloy	Whole	Disc brooch with central mounting (Fig. 3v)	
1378	ÅHM 5172	K274-2	Øland (Oksholm)	Copper alloy	Whole	Disc brooch with central mounting	
1379	ÅHM 2832	X4	Øland (Oksholm)	Copper alloy	Unknown	Disc brooch with central mounting	
1380	THY 5045	x14	Øster Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1381	THY 5045	X340	Øster Vandet	Copper alloy	Whole	Disc brooch with central mounting	
1382	THY 5045	X439	Øster Vandet	Copper alloy	Whole	Disc brooch with central mounting	

1383	ÅHM 0960	K134-1	Bejsebakken (Stolpedalsvej)	Copper alloy	Whole	Disc brooch with central mounting?
1384	THY 5052	X70	Kuskminde	Copper alloy	Large fragment	Disc brooch with central mounting?
1385	ÅHM 5085	X1	Nørholm (Nørholm Skole)	Copper alloy	Whole	Disc brooch with central mounting?
1386	THY 6017	X9	Vester Vandet	Copper alloy	Whole	Disc brooch with enamel?
1387	VMÅ 2674	x413	Aggersborg	Copper alloy	Unknown	Disc brooch with mounting - type?
1388	VMÅ 2674	x365	Aggersborg	Copper alloy	Unknown	Enamel brooch - type?
1389	ÅHM 2633	K6-1	Sdr. Tranders (Postgården)	Copper alloy	Unknown	Enamel brooch - type?
1390	ÅHM 6294	K002-2	Birket	Copper alloy	Large fragment	Small circular brooch with several mountings (Carolingian-Ottonian type)
1391	ÅHM 5504	D003-1	Sebbersund (Valsted)	Copper alloy	Large fragment	Small circular brooch with several mountings (Carolingian-Ottonian type)
1392	VMÅ 2674	x706	Aggersborg	Copper alloy	Large fragment	Small circular enamel brooch - type?
1393	ÅHM 5918	K096-3	Als	Copper alloy	Whole	Star-shaped brooch with central mounting
1394	ÅHM 5181	K015-9	Nørholm	Copper alloy	Whole	Star-shaped brooch with central mounting
1395	ÅHM 5178	K161-8	Nørholm	Copper alloy	Whole	Star-shaped brooch with central mounting
1396	ÅHM 5615	D002-1	Syd for Lerup Kirke	Copper alloy	Large fragment	Star-shaped brooch with central mounting
1397	VSM 9948	X16	Neder Hallum	Copper alloy	Whole	Swastika-shaped brooch with central mounting
1398	VSM 9948	X17	Neder Hallum	Copper alloy	Large fragment	Swastika-shaped brooch with central mounting

1.5. Brooches - The Early Middle Ages

Subtypes refer to following typologies: Frick (Frick 1993); Aalborg type (Gjedsø Bertelsen 1992)

Cat. no.	Museum no.	ID	Site	Material	Degree of fragmentation	Type
1399	ÅHM 4812	X2	Sdr. Tranders (Postgården)	Copper alloy + enamel	Whole	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type 1 var. 2
1400	ÅHM 6300	K004-1	Torderup	Copper alloy + enamel	Whole	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type 1 var. 2 (Fig. 3p)
1401	ÅHM 2633	Unknown	Sdr. Tranders (Postgården)	Copper alloy + enamel	Large fragment	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type 2 var. 2
1402	VMÅ 2674	x797	Aggersborg	Copper alloy	Large fragment	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type?
1403	ÅHM 1137	K87-1	Nibe	Copper alloy	Whole	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type?
1404	THY 5045	x64	Øster Vandet	Copper alloy	Large fragment	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type?
1405	THY 5045	x66	Øster Vandet	Copper alloy	Large fragment	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Frick type?
1406	ÅHM 5177	D026-1	Nørholm	Copper alloy	Large fragment	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Fricks type 1 var. 2
1407	ÅHM 4123	X11	Nørholm (Nørholm Syd)	Glit copper alloy	Whole	Anglo-Saxon/ Southern Scandinavian cloisonné brooch - Fricks type 2 var. 2
1408	VMÅ 2674	x1084	Aggersborg	Copper alloy	Whole	Bird-shaped brooch
1409	VMÅ 2674	x167	Aggersborg	Copper alloy	Unknown	Bird-shaped brooch
1410	VMÅ 2674	x211	Aggersborg	Copper alloy	Unknown	Bird-shaped brooch
1411	VMÅ 2674	x234	Aggersborg	Copper alloy	Unknown	Bird-shaped brooch
1412	VMÅ 2674	x456	Aggersborg	Copper alloy	Unknown	Bird-shaped brooch
1413	ÅHM 5918	K030-1	Als	Copper alloy	Large fragment	Bird-shaped brooch
1414	ÅHM 5918	K076-2	Als	Copper alloy	Whole	Bird-shaped brooch (Fig. 3y)
1415	ÅHM 5918	K096-2	Als	Copper alloy	Whole	Bird-shaped brooch
1416	ÅHM 5918	K109-2	Als	Copper alloy	Whole	Bird-shaped brooch
1417	ÅHM 5918	K110-7	Als	Copper alloy	Whole	Bird-shaped brooch
1418	ÅHM 5918	K110-8	Als	Silver	Whole	Bird-shaped brooch
1419	ÅHM 5918	K116-4	Als	Copper alloy	Whole	Bird-shaped brooch
1420	ÅHM 0961	C30737	Bejsebakkken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Bird-shaped brooch

1421	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Unknown	Bird-shaped brooch
1422	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Bird-shaped brooch
1423	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Bird-shaped brooch
1424	ÅHM 1482	Unknown	Bejsebakken (Sofiendal, Skelagervej)	Copper alloy	Unknown	Bird-shaped brooch
1425	ÅHM 5948	K003-6	Bislev	Copper alloy	Whole	Bird-shaped brooch (Fig. 3z)
1426	THY 5052	X13	Kuskminde	Copper alloy	Whole	Bird-shaped brooch
1427	THY 5052	X83	Kuskminde	Copper alloy	Whole	Bird-shaped brooch
1428	ÅHM 1340	K154-1	Lindholm Høje (Kammerdalen)	Copper alloy	Whole	Bird-shaped brooch
1429	HOL 20.553	X2	Navr	Copper alloy	Unknown	Bird-shaped brooch
1430	ÅHM 5176	K050-1	Nibe (øst)	Copper alloy	Whole	Bird-shaped brooch
1431	ÅHM 5177	D005-4	Nørholm	Copper alloy	Large fragment	Bird-shaped brooch
1432	ÅHM 5177	D020-2	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1433	ÅHM 5177	D025-1	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1434	ÅHM 6309	K003-4	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1435	ÅHM 6309	K028-4	Nørholm	Copper alloy	Whole	Bird-shaped brooch (Fig. 3aa)
1436	ÅHM 5177	K145-1	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1437	ÅHM 5177	K149-1	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1438	ÅHM 5178	K180-2	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1439	ÅHM 5177	K183-3	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1440	ÅHM 4358	X14	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1441	ÅHM 3789	X5	Nørholm	Copper alloy	Unknown	Bird-shaped brooch
1442	ÅHM 3701	X1	Nørholm (Nørholm Skole)	Copper alloy	Whole	Bird-shaped brooch
1443	ÅHM 3471	X1	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Bird-shaped brooch
1444	ÅHM 4078	X8	Nørholm (Nørholm Syd)	Copper alloy	Whole	Bird-shaped brooch
1445	ÅHM 2633	K2	Sdr. Tranders (Postgården)	Copper	Whole	Bird-shaped brooch

1446	ÅHM 2633	Unknown	Sdr. Tranders (Postgården)	alloy	Whole	Bird-shaped brooch
1447	ÅHM 6303	K002-3	Sdr. Tranders (Sdr. Tranders Kirke)	Tinned copper alloy?	Whole	Bird-shaped brooch
1448	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Bird-shaped brooch
1449	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Bird-shaped brooch
1450	ÅHM 5612	D003-1	Sebbersund (Valsted)	Copper alloy	Large fragment	Bird-shaped brooch
1451	ÅHM 5612	K008-1	Sebbersund (Valsted)	Copper alloy	Large fragment	Bird-shaped brooch
1452	ÅHM 5244	D001-2	Sebbersund (Valsted) (Sebbersund (Valsted) Syd)	Copper alloy	Whole	Bird-shaped brooch
1453	ÅHM 6382	K002-1	Skovdal	Tinned copper alloy?	Whole	Bird-shaped brooch
1454	THY 6135	X1	Søgård	Copper alloy	Whole	Bird-shaped brooch
1455	ÅHM 5182	K097-1	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Bird-shaped brooch
1456	ÅHM 5182	K106-6	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Bird-shaped brooch
1457	ÅHM 5182	K106-7	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Bird-shaped brooch
1458	ÅHM 5182	K110-4	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Bird-shaped brooch
1459	ÅHM 5182	K117-2	Sønderholm (Sønderholm Syd)	Copper alloy	Whole	Bird-shaped brooch
1460	ÅHM 6300	K001-2	Torderup	Copper alloy	Whole	Bird-shaped brooch
1461	ÅHM 6300	K004-2	Torderup	Copper alloy	Whole	Bird-shaped brooch
1462	THY 6060	X10	Vang	Copper alloy	Whole	Bird-shaped brooch
1463	THY 6060	X15	Vang	Copper alloy	Whole	Bird-shaped brooch
1464	THY 6060	X69	Vang	Copper alloy	Whole	Bird-shaped brooch
1465	SMS 1209	X14	Ved Sæby Kirke	Tinned copper alloy	Unknown	Bird-shaped brooch
1466	SMS 1209	X3	Ved Sæby Kirke	Copper alloy	Unknown	Bird-shaped brooch
1467	THY 6017	X575	Vester Vandet	Copper alloy	Unknown	Bird-shaped brooch
1468	THY 6017	X600	Vester Vandet	Copper	Whole	Bird-shaped brooch

1469	THY 6017	X661	Vester Vandet	alloy	Unknown	Bird-shaped brooch
1470	THY 6017	X679	Vester Vandet	Copper alloy	Whole	Bird-shaped brooch
1471	THY 3719	X34	Vestervig	Copper alloy	Large fragment	Bird-shaped brooch
1472	THY 3719	X38	Vestervig	Silver	Large fragment	Bird-shaped brooch
1473	THY 3719	X560	Vestervig	Copper alloy	Large fragment	Bird-shaped brooch
1474	ÅHM 5172	K213-5	Øland (Oksholm)	Copper alloy	Whole	Bird-shaped brooch
1475	ÅHM 5172	K248-13	Øland (Oksholm)	Tinned copper alloy	Large fragment	Bird-shaped brooch
1476	ÅHM 5172	K253-5	Øland (Oksholm)	Copper alloy	Whole	Bird-shaped brooch
1477	ÅHM 5172	K269-1	Øland (Oksholm)	Copper alloy	Whole	Bird-shaped brooch
1478	ÅHM 5006	X1	Øland (Oksholm)	Copper alloy	Whole	Bird-shaped brooch
1479	THY 5045	X116	Øster Vandet	Copper alloy	Whole	Bird-shaped brooch
1480	THY 5045	X339	Øster Vandet	Silver	Whole	Bird-shaped brooch
1481	THY 5045	X687	Øster Vandet	Copper alloy	Whole	Bird-shaped brooch
1482	THY 3924	X175	Østerild	Copper alloy	Large fragment	Bird-shaped brooch
1483	ÅHM 4191	X1	Djørup	Copper alloy	Whole	Bird-shaped brooch
1484	ÅHM 6309	K006-1	Nørholm	Copper alloy	Large fragment	Bird-shaped brooch
1485	ÅHM 5178	K022-1	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1486	ÅHM 5178	K185-6	Nørholm	Copper alloy	Whole	Bird-shaped brooch
1487	ÅHM 4712	X1	Sebbersund	Copper alloy	Whole	Bird-shaped brooch
1488	THY 6017	X169	Vester Vandet	Copper alloy	Whole	Bird-shaped brooch with snake in beak
1489	VMÅ 2674	x103	Aggersborg	Copper alloy	Unknown	Bird-shaped brooch?
1490	ÅHM 4040	X1	Bejsebakken (Nordtoften)	Copper alloy	Large fragment	Bird-shaped brooch?
1491	ÅHM 1956	X2	Nr.Tranders/ Ø. Ulstrup (Ø. Sundby))	Copper alloy	Whole	Bird-shaped brooch?
1492	THY 3719	X60	Vestervig	Copper alloy	Large fragment	Bird-shaped brooch?

1493	THY 3719	X93	Vestervig	Copper alloy	Large fragment	Bird-shaped brooch?
1494	VMÅ 2674	x241	Aggersborg	Copper alloy	Unknown	Brooch - type?
1495	VMÅ 2674	x671	Aggersborg	Copper alloy	Unknown	Brooch - type?
1496	THY 3961	X11	Bjerget	Copper alloy	Unknown	Brooch - type?
1497	SMS1004	SMS1004x8	Hammershøj	Copper alloy	Unknown	Brooch - type?
1498	ÅHM 2403	X2	Sebbersund	Copper alloy	Unknown	Brooch - type?
1499	ÅHM 4958	X2	Sønderholm	Copper alloy	Small fragment	Brooch - type?
1500	ÅHM 4571	X2	Øland	Copper alloy	Large fragment	Brooch - type?
1501	ÅHM 5503	X1	Syd for Lerup Kirke	Copper alloy	Unknown	Brooch with mount - type?
1502	HOL 16.328	C31274-281	Brødbæk	Copper alloy	Fragmented (extent of fragmentation unknown)	Brooch/ model
1503	VMÅ 2764	x46	Louns Kirkebjerg	Copper alloy	Unknown	Brooch?
1504	THY 6017	X110	Vester Vandet	Copper alloy	Fragmented (extent of fragmentation unknown)	Brooch?
1505	THY 5045	X682	Øster Vandet	Copper alloy	Small fragment	Brooch?
1506	VMÅ 2674	x23	Aggersborg	Gilt copper alloy	Unknown	Circular brooch - type?
1507	VMÅ 2674	x496	Aggersborg	Copper alloy	Unknown	Circular brooch - type?
1508	VMÅ 2674	x539	Aggersborg	Copper alloy	Unknown	Circular brooch - type?
1509	VMÅ 2674	x94	Aggersborg	Copper alloy	Unknown	Circular brooch - type?
1510	HOL 16.328	Unknown	Brødbæk	Gilt copper alloy	Fragmented (extent of fragmentation unknown)	Circular brooch - type?
1511	THY 6018	X10	Nørhå	Copper alloy	Large fragment	Circular brooch - type?
1512	VSM G328	Unknown	Viborg Kaserne	Copper alloy	Unknown	Circular brooch - type?
1513	ÅHM 2832	Unknown	Øland (Oksholm)	Copper alloy	Unknown	Circular brooch - type?
1514	THY 6017	X618	Vester Vandet	Copper alloy	Whole	Circular brooch with bird in the centre
1515	VMÅ 2674	x478	Aggersborg	Copper alloy	Unknown	Circular brooch?
1516	VSM 9687	X78	Øster Kølsen	Copper	Small fragment	Circular brooch? - type?

1517	VMÁ 2674	x1038	Aggersborg	alloy	Unknown	Circular sheet metal brooch
1518	VMÁ 2674	x881	Aggersborg	Gilt copper alloy	Whole	Circular sheet metal brooch
1519	ÅHM 5177	D006-1	Nørholm	Gilt copper alloy	Whole	Circular sheet metal brooch
1520	ÅHM 5177	D006-2	Nørholm	Gilt copper alloy	Whole	Circular sheet metal brooch
1521	ÅHM 5177	K183-4	Nørholm	Gilt copper alloy	Whole	Circular sheet metal brooch
1522	ÅHM 5177	K183-5	Nørholm	Gilt copper alloy	Whole	Circular sheet metal brooch
1523	ÅHM 5924	K012-2	Sdr. Tranders	Gilt copper alloy	Whole	Circular sheet metal brooch
1524	ÅHM 5182	D024-3	Sønderholm (Sønderholm Syd)	Gilt? Copper alloy	Whole	Circular sheet metal brooch
1525	THY 6017	X664	Vester Vandet	Tinned copper alloy	Whole	Circular sheet metal brooch
1526	THY 6017	X688	Vester Vandet	Gilt copper alloy	Whole	Circular sheet metal brooch
1527	THY 6017	X8	Vester Vandet	Copper alloy	Whole	Circular sheet metal brooch
1528	THY 5045	X295	Øster Vandet	Gilt copper alloy	Whole	Circular sheet metal brooch
1529	ÅHM 3945	X3	Gjøl	Copper alloy	Whole	Circular sheet metal brooch?
1530	THY 5052	X57	Kuskminde	Copper alloy	Whole	Circular sheet metal brooch?
1531	THY 6017	X139	Vester Vandet	Copper alloy	Whole	Circular sheet metal brooch?
1532	THY 6017	X45	Vester Vandet	Copper alloy	Whole	Circular sheet metal brooch?
1533	ÅHM 5172	D115-1	Øland (Oksholm)	Copper alloy	Large fragment	Circular sheet metal brooch?
1534	ÅHM 4394	X1	Øland (Oksholm)	Copper alloy	Large fragment	Circular sheet metal brooch?
1535	ÅHM 6309	K028-1	Nørholm	Gilt	Whole	Circular sheet metal brooch/pendant (Fig. 3x)

						copper alloy						
1536	ÅHM 6309	K028-2	Nørholm			Gilt copper alloy		Whole			Circular sheet metal brooch/pendant (Fig. 3w)	
1537	VMÅ 2674	x231	Aggersborg			Copper alloy		Unknown			Dobbeltskallet circular brooch- type?	
1538	VMÅ 2365	Unknown	Brøndumgård 3			Copper alloy		Unknown			Equal-arm brooch - type?	
1539	VMÅ 2674	x142	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1540	VMÅ 2674	x174	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1541	VMÅ 2674	x254	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1542	VMÅ 2674	x492	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1543	VMÅ 2674	x507	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1544	VMÅ 2674	x558	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1545	VMÅ 2674	x65	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1546	VMÅ 2674	x8	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1547	VMÅ 2674	x960	Aggersborg			Copper alloy		Unknown			Lamb of God brooch	
1548	ÅHM 1426	K04-1	Bejsebakkken (Markerne ved Gl. Hasseris)			Copper alloy		Unknown			Lamb of God brooch	
1549	ÅHM 0961	Unknown	Bejsebakkken (Skelagervej/ Sofiendal)			Copper alloy		Large fragment			Lamb of God brooch	
1550	ÅHM 0961	Unknown	Bejsebakkken (Skelagervej/ Sofiendal)			Copper alloy		Whole			Lamb of God brooch	
1551	ÅHM 1482	X1	Bejsebakkken (Sofiendal, Skelagervej)			Copper alloy		Fragmented (extent of fragmentation unknown)			Lamb of God brooch	
1552	THY 3961	X2	Bjerget			Copper alloy		Large fragment			Lamb of God brooch	
1553	ÅHM 1340	K126-2	Lindholm Høje (Kammerdalen)			Copper alloy		Whole			Lamb of God brooch	
1554	ÅHM 1340	Unknown	Lindholm Høje (Kammerdalen)			Copper alloy		Unknown			Lamb of God brooch	
1555	VMÅ 2764	x62	Louns Kirkebjerg			Copper alloy		Unknown			Lamb of God brooch	
1556	SMS 160/91	D142/1990	Lund			Copper alloy		Unknown			Lamb of God brooch	
1557	SMS 160/91	Unknown	Lund			Copper alloy		Unknown			Lamb of God brooch	
1558	ÅHM 3191	Unknown	Nørholm (Nørholm Skole/ Østergård)			Copper alloy		Unknown			Lamb of God brooch	

1559	ÅHM 3191	Unknown	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Unknown	Lamb of God brooch
1560	ÅHM 5173	K020-1	Sdr. Tranders (Postgården)	Silver	Whole	Lamb of God brooch
1561	THY 6017	X568	Vester Vandet	Copper alloy	Whole	Lamb of God brooch
1562	THY 6017	X578	Vester Vandet	Copper alloy	Unknown	Lamb of God brooch
1563	ÅHM 5172	K201-1	Øland (Oksholm)	Copper alloy	Whole	Lamb of God brooch (Fig. 3ad)
1564	THY 3924	X190	Østerild	Copper alloy	Whole	Lamb of God brooch
1565	ÅHM 1482	Unknown	Bejsebakken (Sofieldal, Skelagervej)	Copper alloy	Unknown	Lamb of God brooch.
1566	VMÅ 2674	x11	Aggersborg	Gilt copper alloy	Unknown	Lamb of God brooch?
1567	THY 5060	X1	Nr. Skjoldborg	Silver	Whole	Miscast Urnes-style brooch (Fig. 6d)
1568	ÅHM 5178	D092-1	Nørholm	Copper alloy	Large fragment	Miscast Urnes-style brooch
1569	THY 3719	X447	Vestervig	Copper alloy	Large fragment	Miscast Urnes-style brooch
1570	ÅHM 3701	X2	Nørholm (Nørholm Skole)	Copper alloy	Whole	Miscast Urnes-style brooch?
1571	HOL 20.348	X5	Garnlekro	Copper alloy	Unknown	Open-work animal brooch - type?
1572	ÅHM 5923	K001-5	Sdr. Tranders	Silver	Whole	Open-work animal brooch - type?
1573	VMÅ 2674	x1016	Aggersborg	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1574	VMÅ 2674	x687	Aggersborg	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1575	VMÅ 2674	x753	Aggersborg	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1576	VMÅ 2674	x786	Aggersborg	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1577	VMÅ 2674	x958	Aggersborg	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1578	VMÅ 2674	x963	Aggersborg	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1579	ÅHM 5918	K007-1	Als	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1580	ÅHM 5918	K027-1	Als	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1581	ÅHM 5918	K028-4	Als	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1582	ÅHM 5918	K045-10	Als	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1583	ÅHM 5918	K069-1	Als	Copper alloy	Whole	Open-work animal brooch (Aalborg type)

1584	ÅHM 5918	K099-3	Als		Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1585	ÅHM 5918	K110-2	Als		Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1586	ÅHM 5918	K110-3	Als		Copper alloy	Small fragment	Open-work animal brooch (Aalborg type)
1587	ÅHM 5918	K116-3	Als		Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1588	ÅHM 0961	Unknown		Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1589	ÅHM 0961	Unknown		Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1590	ÅHM 5089	X1		Dall Villaby	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1591	ÅHM 5416	D001-1		Gelstrup	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1592	ÅHM 5940	K001-2		Gelstrup	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1593	ÅHM 3815	X1		Gjøl	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1594	VSM 9869	X156		Hjarbæk Øst	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1595	VSM 9869	X95		Hjarbæk Øst	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1596	ÅHM 1340	Unknown		Lindholm Høje (Kammerdalen)	Copper alloy	Unknown	Open-work animal brooch (Aalborg type)
1597	VSM 9948	X21		Neder Hallum	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1598	ÅHM 4387	X1		Nibe (Markjorder)	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1599	ÅHM 5176	D013-1		Nibe (øst)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1600	ÅHM 5176	D017-1		Nibe (øst)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1601	ÅHM 5176	K034-1		Nibe (øst)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1602	ÅHM 5176	K049-1		Nibe (øst)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1603	ÅHM 4609	X7		Nyrup (Nyrup Syd)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1604	ÅHM 5177	D004-7		Nørholm	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1605	ÅHM 5177	D005-1		Nørholm	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1606	ÅHM 5177	D017-2		Nørholm	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1607	ÅHM 5177	D039-2		Nørholm	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1608	ÅHM 5177	D077-1		Nørholm	Copper	Whole	Open-work animal brooch (Aalborg type)

					alloy			
1609	ÅHM 5177	D079-2	Nørholm		Copper alloy	Small fragment	Open-work animal brooch (Aalborg type)	
1610	ÅHM 6309	K001-2	Nørholm		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1611	ÅHM 5177	K142-7	Nørholm		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1612	ÅHM 5178	K187-1	Nørholm		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1613	ÅHM 4245	X16	Nørholm		Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)	
1614	ÅHM 4506	X2	Nørholm		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1615	ÅHM 4960	X7	Nørholm		Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)	
1616	ÅHM 4587	X2	Nørholm (Nørholm (Mellemholm))		Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)	
1617	ÅHM 4523	X5	Nørholm (Nørholm Skole)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1618	ÅHM 5078	X3	Overgård		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1619	ÅHM 5055	X1	Sdr. Tranders (Postgården)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1620	ÅHM 2403	X1	Sebbersund		Copper alloy	Unknown	Open-work animal brooch (Aalborg type)	
1621	ÅHM 2403	X1	Sebbersund		Copper alloy	Unknown	Open-work animal brooch (Aalborg type)	
1622	ÅHM 4712	X2	Sebbersund		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1623	ÅHM 4987	X7	Sønderholm		Copper alloy	Unknown	Open-work animal brooch (Aalborg type)	
1624	ÅHM 5182	D009-1	Sønderholm (Sønderholm Syd)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1625	ÅHM 5182	D017-1	Sønderholm (Sønderholm Syd)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1626	ÅHM 5182	K091-1	Sønderholm (Sønderholm Syd)		Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)	
1627	ÅHM 4883	X6	Sønderholm (Sønderholm Syd)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1628	VSM 9000	X115	Torsgaard		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1629	ÅHM 4847	X8	Vester Hassing (V. Hassing Kirke)		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1630	THY 6017	X196	Vester Vandet		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1631	THY 6017	X22	Vester Vandet		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	
1632	THY 6017	X63	Vester Vandet		Copper alloy	Whole	Open-work animal brooch (Aalborg type)	

1633	THY 6017	X644	Vester Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1634	THY 6017	X65	Vester Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1635	THY 3719	X556	Vestervig	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1636	ÅHM 5172	D008-2	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1637	ÅHM 5172	D030-1	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1638	ÅHM 5172	D037-1	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1639	ÅHM 5172	D046-C6	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1640	ÅHM 5172	D103-1	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1641	ÅHM 5172	D117-1	Øland (Oksholm)	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1642	ÅHM 5172	K248-14	Øland (Oksholm)	Tinned copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1643	ÅHM 4699	X3	Øland (Oksholm)	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1644	VSM 9687	X117	Øster Kølsen	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1645	THY 5045	X293	Øster Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1646	THY 5045	X437	Øster Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1647	THY 5045	X646	Øster Vandet	Copper alloy	Large fragment	Open-work animal brooch (Aalborg type)
1648	THY 5045	X674	Øster Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1649	THY 5045	X688	Øster Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1650	THY 5045	x81	Øster Vandet	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1651	THY 3924	X161	Østerild	Copper alloy	Whole	Open-work animal brooch (Aalborg type)
1652	ÅHM 5918	K110-1	Als	Silver	Whole	Open-work animal brooch (Aalborg type) (Fig. 2ac)
1653	SMS 1161	X44	Lerdalgård	Copper alloy	Whole	Open-work animal brooch (Aalborg type) - unfinished copy still in mold
1654	VMÁ 2674	x141	Aggersborg	Gilt copper alloy	Whole	Open-work animal brooch (Aalborg type) or Lamb of God brooch
1655	ÅHM 5172	K213-1	Øland (Oksholm)	Silver	Small fragment	Open-work brooch - type?
1656	ÅHM 5172	K262-3	Øland (Oksholm)	Copper alloy	Large fragment	Open-work brooch - type?

1657	THY 6017	X164	Vester Vandet	Silver	Whole	Open-work brooch with S-shaped Ringerike-style animal (Fig. 3l)
1658	ÅHM 5182	K097-3	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Open-work circular brooch - Griffin brooch type
1659	ÅHM 4673	X2	Øland (Oksholm)	Copper alloy	Whole	Oval plate brooch - type?
1660	THY 6060	X21	Vang	Copper alloy	Large fragment	Plate brooch - type?
1661	VMÅ 2398	Unknown	Vanstedgård 1	Copper alloy	Unknown	Plate brooch - type?
1662	THY 3719	X89	Vestervig	Copper alloy	Small fragment	Plate brooch - type?
1663	ÅHM 4699	X4	Øland (Oksholm)	Copper alloy	Small fragment	Plate brooch - type?
1664	ÅHM 5918	K019-7	Als	Copper alloy	Whole	Plate brooch shaped as a bird - type? (Fig. 3ab)
1665	THY 3719	X320	Vestervig	Silver	Whole	Rectangular plate brooch with upper-plate of silver and back-plate of Gilt copper-alloy
1666	VMÅ 2674	x1013	Aggersborg	Copper alloy	Whole	Small domed circular brooch - type?
1667	THY 5052	X16	Kuskminde	Copper alloy	Whole	Small domed circular brooch - type?
1668	ÅHM 5172	K260-1	Øland (Oksholm)	Copper alloy	Whole	S-shaped plate brooch
1669	VMÅ 2674	x538	Aggersborg	Copper alloy	Unknown	Star-shaped brooch - type?
1670	THY 6017	X685	Vester Vandet	Copper alloy	Whole	Unfinished Urnes-style brooch
1671	VMÅ 2674	x1009	Aggersborg	Copper alloy	Small fragment	Urnes-style brooch
1672	VMÅ 2674	x1082	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1673	VMÅ 2674	x158	Aggersborg	Silver	Unknown	Urnes-style brooch
1674	VMÅ 2674	x243	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1675	VMÅ 2674	x402	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1676	VMÅ 2674	x438	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1677	VMÅ 2674	x455	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1678	VMÅ 2674	x471	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1679	VMÅ 2674	x543	Aggersborg	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1680	VMÅ 2674	x605	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1681	VMÅ 2674	x655	Aggersborg	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch

1682	VMÅ 2674	x680	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1683	VMÅ 2674	x681	Aggersborg	Silver	Whole	Urnes-style brooch
1684	VMÅ 2674	x685	Aggersborg	Copper alloy	Whole	Urnes-style brooch
1685	VMÅ 2674	x69	Aggersborg	Copper alloy	Large fragment	Urnes-style brooch
1686	VMÅ 2674	x7	Aggersborg	Copper alloy	Unknown	Urnes-style brooch
1687	VMÅ 2674	x715	Aggersborg	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1688	VMÅ 2674	x719	Aggersborg	Copper alloy	Large fragment	Urnes-style brooch
1689	ÅHM 5918	K019-5	Als	Copper alloy	Small fragment	Urnes-style brooch
1690	ÅHM 5918	K038-3	Als	Copper alloy	Whole	Urnes-style brooch
1691	ÅHM 5918	K075-5	Als	Copper alloy	Whole	Urnes-style brooch
1692	ÅHM 5918	K109-3	Als	Copper alloy	Whole	Urnes-style brooch
1693	ÅHM 5918	K110-5	Als	Copper alloy	Whole	Urnes-style brooch
1694	ÅHM 1426	Unknown	Bejsebakken (Markerne ved Gl. Hasseris)	Copper alloy	Unknown	Urnes-style brooch
1695	ÅHM 0961	C30743	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Urnes-style brooch
1696	ÅHM 0961	C39723	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Urnes-style brooch
1697	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Unknown	Urnes-style brooch
1698	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Unknown	Urnes-style brooch
1699	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Urnes-style brooch
1700	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Urnes-style brooch
1701	ÅHM 0961	Unknown	Bejsebakken (Skelagervej/ Sofiendal)	Copper alloy	Whole	Urnes-style brooch
1702	VMÅ 2365	Unknown	Brøndumgård 3	Copper alloy	Unknown	Urnes-style brooch
1703	VMÅ 2365	Unknown	Brøndumgård 3	Copper alloy	Unknown	Urnes-style brooch
1704	HOL 20.087	C34078	Dalgård Syd	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1705	HOL 20.087	X1	Dalgård Syd	Copper alloy	Unknown	Urnes-style brooch
1706	SMS 1295	X1	Durupgård	Copper alloy	Unknown	Urnes-style brooch

1707	MHM 3387	X12	Flade		Copper alloy	Large fragment	Urnes-style brooch
1708	ÅHM 5413	D001-2	Gelsted		Silver	Small fragment	Urnes-style brooch
1709	ÅHM 5935	K001-1	Gelstrup		Copper alloy	Unknown	Urnes-style brooch
1710	ÅHM 3243	X1	Gjøl		Copper alloy	Unknown	Urnes-style brooch
1711	ÅHM 3243	X2	Gjøl		Copper alloy	Unknown	Urnes-style brooch
1712	THY 6136	X2	Hinding		Copper alloy	Large fragment	Urnes-style brooch
1713	VSM 9869	X2	Hjarbæk Øst		Copper alloy	Large fragment	Urnes-style brooch
1714	ÅHM 6342	K003-1	Kollerup		Copper alloy	Large fragment	Urnes-style brooch
1715	ÅHM 1379	C30620	Kongelunden		Copper alloy	Unknown	Urnes-style brooch
1716	THY 5052	X20	Kuskminde		Copper alloy	Large fragment	Urnes-style brooch
1717	THY 5052	X4	Kuskminde		Copper alloy	Small fragment	Urnes-style brooch
1718	THY 5052	X60	Kuskminde		Copper alloy	Whole	Urnes-style brooch
1719	THY 5052	X72	Kuskminde		Copper alloy	Large fragment	Urnes-style brooch
1720	THY 5052	X74	Kuskminde		Copper alloy	Large fragment	Urnes-style brooch
1721	THY 5052	X75	Kuskminde		Copper alloy	Large fragment	Urnes-style brooch
1722	SMS 1161	X11	Lerdalgård		Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1723	SMS 1161	X25	Lerdalgård		Copper alloy	Unknown	Urnes-style brooch
1724	ÅHM 1340	K099-1	Lindholm Høje (Kammerdalen)		Copper alloy	Whole	Urnes-style brooch
1725	ÅHM 1340	X3	Lindholm Høje (Kammerdalen)		Copper alloy	Whole	Urnes-style brooch
1726	VMÅ 2764	x25	Louns Kirkebjerg		Copper alloy	Unknown	Urnes-style brooch
1727	VMÅ 2764	x95	Louns Kirkebjerg		Copper alloy	Large fragment	Urnes-style brooch
1728	HOL 20.553	X3	Navr		Copper alloy	Unknown	Urnes-style brooch
1729	ÅHM 1661	X1	Nr. Tranders/ Ø. Uttrup (Humblebakken)		Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1730	ÅHM 1956	X1	Nr. Tranders/ Ø. Uttrup (Nr. Tranders/ Ø. Uttrup (Ø. Sundby))		Silver	Unknown	Urnes-style brooch
1731	ÅHM 5593	D001-2	Nr. Tranders/ Ø. Uttrup (Ø. Uttrup)		Copper alloy	Small fragment	Urnes-style brooch

1732	ÅHM 4834	X2	Nr.Tranders/ Ø.Uttrup (Nørre Tranders)	Copper alloy	Large fragment	Urnes-style brooch	
1733	ÅHM 4991	X1	Nyrup (Nyrup Syd)	Copper alloy	Large fragment	Urnes-style brooch	
1734	ÅHM 5177	D022-1	Nørholm	Copper alloy	Large fragment	Urnes-style brooch	
1735	ÅHM 5178	D054-6	Nørholm	Copper alloy	Small fragment	Urnes-style brooch	
1736	ÅHM 5177	D081-1	Nørholm	Copper alloy	Whole	Urnes-style brooch	
1737	ÅHM 5951	K001-1	Nørholm	Copper alloy	Whole	Urnes-style brooch	
1738	ÅHM 6309	K001-1	Nørholm	Copper alloy	Whole	Urnes-style brooch	
1739	ÅHM 6309	K018-7	Nørholm	Tinned copper alloy	Large fragment	Urnes-style brooch	
1740	ÅHM 6309	K018-8	Nørholm	Tinned? Copper alloy	Large fragment	Urnes-style brooch	
1741	ÅHM 6309	K028-3	Nørholm	Copper alloy	Whole	Urnes-style brooch (Fig. 3n)	
1742	ÅHM 5178	K135-6	Nørholm	Copper alloy	Small fragment	Urnes-style brooch	
1743	ÅHM 5177	k155-1	Nørholm	Gilt copper alloy	Whole	Urnes-style brooch	
1744	ÅHM 5177	K157-12	Nørholm	Copper alloy	Small fragment	Urnes-style brooch	
1745	ÅHM 5177	K157-12	Nørholm	Silver	Small fragment	Urnes-style brooch	
1746	ÅHM 5177	K157-5	Nørholm	Silver	Small fragment	Urnes-style brooch	
1747	ÅHM 4590	X1	Nørholm	Copper alloy	Unknown	Urnes-style brooch	
1748	ÅHM 3789	X2	Nørholm	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch	
1749	ÅHM 3789	X3	Nørholm	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch	
1750	ÅHM 3789	X4	Nørholm	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch	
1751	ÅHM 5180	D018-1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Urnes-style brooch	
1752	ÅHM 5180	K037-1	Nørholm (Nørholm (Mølleholm))	Copper alloy	Small fragment	Urnes-style brooch	
1753	ÅHM 3701	X10	Nørholm (Nørholm Skole)	Copper alloy	Whole	Urnes-style brooch	
1754	ÅHM 4889	X4	Nørholm (Nørholm Skole)	Copper alloy	Small fragment	Urnes-style brooch	
1755	ÅHM 3701	X5	Nørholm (Nørholm Skole)	Silver	Small fragment	Urnes-style brooch	

1756	ÅHM 3695	X5	Nørholm (Nørholm Skole)	Tinned copper alloy?	Small fragment	Urnes-style brooch
1757	ÅHM 3191	K1-4	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1758	ÅHM 3191	K25-1	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Large fragment	Urnes-style brooch
1759	ÅHM 3191	K49-2	Nørholm (Nørholm Skole/ Østergård)	Copper alloy	Whole	Urnes-style brooch
1760	ÅHM 3124	K11-1	Nørholm (Nørholm Syd)	Copper alloy	Unknown	Urnes-style brooch
1761	ÅHM 4109	X1	Nørholm (Nørholm Syd)	GiltSilver	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1762	ÅHM 3586	X1	Nørholm (Nørholm Syd)	Tinned copper alloy	Whole	Urnes-style brooch
1763	ÅHM 4038	X7	Nørholm (Nørholm Syd)	Copper alloy	Small fragment	Urnes-style brooch
1764	ÅHM 5155	X3	Nørholm (Østergård)	Copper alloy	Small fragment	Urnes-style brooch
1765	ÅHM 5173	D004-2	Sdr. Tranders (Postgården)	Copper alloy	Small fragment	Urnes-style brooch
1766	ÅHM 5173	K022-1	Sdr. Tranders (Postgården)	Silver?	Small fragment	Urnes-style brooch
1767	ÅHM 4779	X6	Sdr. Tranders (Postgården)	Copper alloy	Small fragment	Urnes-style brooch
1768	ÅHM 5595	K016-1	Sdr. Tranders (vest for)	Gilt copper alloy	Whole	Urnes-style brooch
1769	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1770	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1771	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1772	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1773	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1774	ÅHM 2403	Unknown	Sebbersund	Copper alloy	Unknown	Urnes-style brooch
1775	ÅHM 2403	X2	Sebbersund	Copper alloy	Large fragment	Urnes-style brooch
1776	ÅHM 4712	X3	Sebbersund	Copper alloy	Whole	Urnes-style brooch
1777	ÅHM 4712	X4	Sebbersund	Copper alloy	Small fragment	Urnes-style brooch
1778	ÅHM 2403	K67-4	Sebbersund	Copper alloy	Whole	Urnes-style brooch (Fig. 3m)
1779	ÅHM 2403	X7	Sebbersund	Copper	Whole	Urnes-style brooch

1780	ÅHM 2403	X8	Sebbersund		alloy		Whole	Urnes-style brooch
1781	ÅHM 5504	D001-2	Sebbersund (Valsted)		Tinned copper alloy		Small fragment	Urnes-style brooch
1782	ÅHM 5612	K014-1	Sebbersund (Valsted)		Copper alloy		Large fragment	Urnes-style brooch
1783	THY 6123	X5	Skinnerup		Copper alloy		Small fragment	Urnes-style brooch
1784	ÅHM 5503	X2	Syd for Lerup Kirke		Copper alloy		Unknown	Urnes-style brooch
1785	ÅHM 4803	X2	Sønderholm		Copper alloy		Whole	Urnes-style brooch
1786	ÅHM 5182	D041-1	Sønderholm (Sønderholm Syd)		Copper alloy		Small fragment	Urnes-style brooch
1787	THY 6060	X139	Vang		Silver		Small fragment	Urnes-style brooch
1788	THY 6060	X72	Vang		Copper alloy		Small fragment	Urnes-style brooch
1789	THY 6017	X15	Vester Vandet		Copper alloy		Whole	Urnes-style brooch
1790	THY 6017	X181	Vester Vandet		Copper alloy		Large fragment	Urnes-style brooch
1791	THY 6017	X554	Vester Vandet		Copper alloy		Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1792	THY 6017	X611	Vester Vandet		Copper alloy		Whole	Urnes-style brooch
1793	THY 3719	X262	Vestervig		Copper alloy		Large fragment	Urnes-style brooch
1794	THY 3719	X271	Vestervig		Copper alloy		Large fragment	Urnes-style brooch
1795	THY 3719	X280	Vestervig		Copper alloy		Small fragment	Urnes-style brooch
1796	THY 3719	X29	Vestervig		Silver		Large fragment	Urnes-style brooch
1797	THY 3719	X551	Vestervig		Copper alloy		Small fragment	Urnes-style brooch
1798	HOL 20.166	Unknown	Vinderup		Tinned copper alloy		Unknown	Urnes-style brooch
1799	ÅHM 4571	X1	Øland		Copper alloy		Large fragment	Urnes-style brooch
1800	ÅHM 5101	X1	Øland		Copper alloy		Whole	Urnes-style brooch
1801	ÅHM 5172	D020-2	Øland (Oksholm)		Copper alloy		Large fragment	Urnes-style brooch
1802	ÅHM 5172	D030-2	Øland (Oksholm)		Copper alloy		Whole	Urnes-style brooch
1803	ÅHM 5172	D030-3	Øland (Oksholm)		Copper		Small fragment	Urnes-style brooch

					alloy			
1804	ÅHM 5172	D058-7	Øland (Oksholm)	Copper alloy	Small fragment	Urnes-style brooch		
1805	ÅHM 5172	D061-5	Øland (Oksholm)	Copper alloy	Small fragment	Urnes-style brooch		
1806	ÅHM 5172	D141-1	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch		
1807	ÅHM 5172	K202-1	Øland (Oksholm)	Copper alloy	Large fragment	Urnes-style brooch		
1808	ÅHM 5172	K250-12	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch		
1809	ÅHM 5172	K250-3	Øland (Oksholm)	Gilt copper alloy	Small fragment	Urnes-style brooch		
1810	ÅHM 5172	K251-2	Øland (Oksholm)	Silver	Large fragment	Urnes-style brooch		
1811	ÅHM 5172	K267-1	Øland (Oksholm)	Copper alloy	Small fragment	Urnes-style brooch		
1812	ÅHM 2832	Unknown	Øland (Oksholm)	Copper alloy	Unknown	Urnes-style brooch		
1813	ÅHM 2832	Unknown	Øland (Oksholm)	Silver	Unknown	Urnes-style brooch		
1814	ÅHM 4863	X10	Øland (Oksholm)	Silver?	Small fragment	Urnes-style brooch		
1815	ÅHM 4953	X17	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch		
1816	ÅHM 4699	X2	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch		
1817	ÅHM 6400	K001-3	Øst for Oppelstrup	Silver?	Large fragment	Urnes-style brooch		
1818	ÅHM 6193	K001-1	Øster Hornum	Gilt copper alloy	Large fragment	Urnes-style brooch		
1819	ÅHM 6193	K004-1	Øster Hornum	Copper alloy	Large fragment	Urnes-style brooch		
1820	ÅHM 6193	K007-1	Øster Hornum	Copper alloy	Large fragment	Urnes-style brooch		
1821	ÅHM 3242	X1	Øster Hornum (Kirke)	Copper alloy	Unknown	Urnes-style brooch		
1822	VSM 9687	X66	Øster Kølsen	Copper alloy	Large fragment	Urnes-style brooch		
1823	THY 5045	X194	Øster Vandet	Copper alloy	Whole	Urnes-style brooch		
1824	THY 5045	X299	Øster Vandet	Copper alloy	Small fragment	Urnes-style brooch		
1825	THY 5045	X330	Øster Vandet	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch		
1826	THY 5045	X341	Øster Vandet	Copper alloy	Large fragment	Urnes-style brooch		
1827	THY 5045	X370	Øster Vandet	Silver	Whole	Urnes-style brooch		
1828	THY 5045	X414	Øster Vandet	Copper	Whole	Urnes-style brooch		

1829	THY 5045	X623	Øster Vandet	alloy	Large fragment	Urnes-style brooch
1830	THY 5045	X624	Øster Vandet	Silver	Whole	Urnes-style brooch
1831	THY 5045	x78	Øster Vandet	Silver	Whole	Urnes-style brooch
1832	THY 3924	X126	Østerild	Copper alloy	Fragmented (extent of fragmentation unknown)	Urnes-style brooch
1833	ÅHM 5918	K005-2	Als	Copper alloy	Whole	Urnes-style brooch
1834	ÅHM 5918	K075-4	Als	Copper alloy	Large fragment	Urnes-style brooch
1835	ÅHM 5918	K110-4	Als	Copper alloy	Whole	Urnes-style brooch
1836	ÅHM 5416	D002-2	Gelstrup	Copper alloy	Whole	Urnes-style brooch
1837	ÅHM 5940	K005-1	Gelstrup	Copper alloy	Large fragment	Urnes-style brooch
1838	VSM 10069	X0014	Lynderup	Copper alloy	Large fragment	Urnes-style brooch
1839	ÅHM 5177	D005-3	Nørholm	Copper alloy	Whole	Urnes-style brooch
1840	ÅHM 5178	K163-2	Nørholm	Copper alloy	Whole	Urnes-style brooch
1841	ÅHM 5096	X1	Nørholm	Copper alloy	Large fragment	Urnes-style brooch
1842	ÅHM 5086	X2	Nørholm (Nørholm Skole)	Copper alloy	Whole	Urnes-style brooch
1843	ÅHM 5244	D001-3	Sebbersund (Valsted) (Sebbersund (Valsted) Syd)	Copper alloy	Large fragment	Urnes-style brooch
1844	VSM 9682	x17	Toftum Næs	Copper alloy	Whole	Urnes-style brooch
1845	THY 6017	X167	Vester Vandet	Copper alloy	Whole	Urnes-style brooch
1846	THY 6017	X638	Vester Vandet	Copper alloy	Whole	Urnes-style brooch
1847	ÅHM 5172	D108-1	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch
1848	ÅHM 5172	D119-1	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch
1849	ÅHM 5172	K250-1	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch (Fig. 3o)
1850	ÅHM 5172	K258-4	Øland (Oksholm)	Copper alloy	Whole	Urnes-style brooch
1851	ÅHM 6193	K007-2	Øster Hornum	Copper alloy	Whole	Urnes-style brooch
1852	THY 5045	X249	Øster Vandet	Copper alloy	Whole	Urnes-style brooch
1853	ÅHM 4712	X5	Sebbersund	Copper alloy	Whole	Urnes-style brooch -

1854	ÅHM 5182	K097-2	Sønderholm (Sønderholm Syd)	Copper alloy	Large fragment	Urnes-style brooch (miscast?)	
1855	THY 3719	X472	Vestervig	Copper alloy	Large fragment	Urnes-style brooch – miscast (Fig. 6c)	
1856	ÅHM 5417	D002-1	Nørholm (Nørholm Skole)	Tinned copper alloy?	Large fragment	Urnes-style brooch (Ringerike style)	
1857	THY 5045	X219	Øster Vandet	Copper alloy	Whole	Urnes-style brooch (unfinished?)	
1858	ÅHM 1159	C30163	Bejsebakken	Copper alloy	Unknown	Urnes-style brooch?	
1859	ÅHM 5172	K245-4	Øland (Oksholm)	Copper alloy	Large fragment	Urnes-style brooch?	

1. Models

Cat. No.	Museum no.	ID	Site	Type	Material	Dating
1860	VMÅ 2674	X100	Aggersborg	Model for circular brooches (Fig. 6h)	Copper alloy	VKA
1861	ÅHM 5918	K113-11	Als	Model for circular brooches (Fig. 6g)	Copper alloy	VKA
1862	THY 6060	X23	Vang	Model for circular brooches (Fig. 6f)	Copper alloy	VKA
1863	ÅHM 2403	No unknown	Sebbersund	Model for open-work animal brooches (Aalborg type)	Lead	EMA
1864	ÅHM 5172	D024 1	Øland (Oksholm)	Model for open-work animal brooches?	Lead	EMA
1865	ÅHM 2403	Unknown	Sebbersund	Model for Urnes-style brooches	Lead	EMA
1866	THY 5045	X234	Øster Vandet	Model for Urnes-style brooches	Copper alloy	EMA