Scientific investigation of filigree decoration on 37 artefacts from the Staffordshire Hoard (Birmingham Museum and Art Gallery & The Potteries Museum and Art Gallery, Stoke on Trent)
Science Report No. PR07444-12

K271





Figure 11. Three-quarter view of hilt-collar K271 (left); Photomicrograph of the undulating beaded wire, also referred to as concertinaed by Fern, framed by two beaded wires and of the two-ply twisted wire ropes of beaded and plain wires at the top (25x, field of view *ca.* 7mm).

| а | Thick beaded wire | | | | Thin beaded wire | | | |
|----------------------------------|--------------------------|-----------------|------------------------|-----------------|--------------------------|-----------------|------------------------|-----------------|
| | Bead diameter (µm) | Average (µm) | Bead length (µm) | Average (µm) | Bead diameter (µm) | Average (µm) | Bead length (µm) | Average (µm) |
| Three-strand band | 579-611 | 602 | 375-431 | 407 | 335-367 | 345 | 235-381 | 261 |
| Undulating beaded wire | | | | | 336-402 | 368 | 217-292 | 245 |
| Beaded wires as | | | | | 367-406 | 383 | 199-267 | 232 |
| panel borders | | | | | 405-444 | 429 | 196-273 | 241 |
| Beaded wire loop | 475-522 | 501 | 259-348 | 299 | | | | |
| Two-ply twisted beaded wire rope | 356-410 | 383 | 283-303 | 292 | | | | |

| b | Plain wire | | | | |
|----------------------|--------------------|--------------|--|--|--|
| | Wire diameter (μm) | Average (μm) | | | |
| Two-ply twisted wire | 266-312 | 282 | | | |
| ropes | 278-310 | 294 | | | |

Tables 8a and 8b. Filigree wire measurements for hilt collar K271.