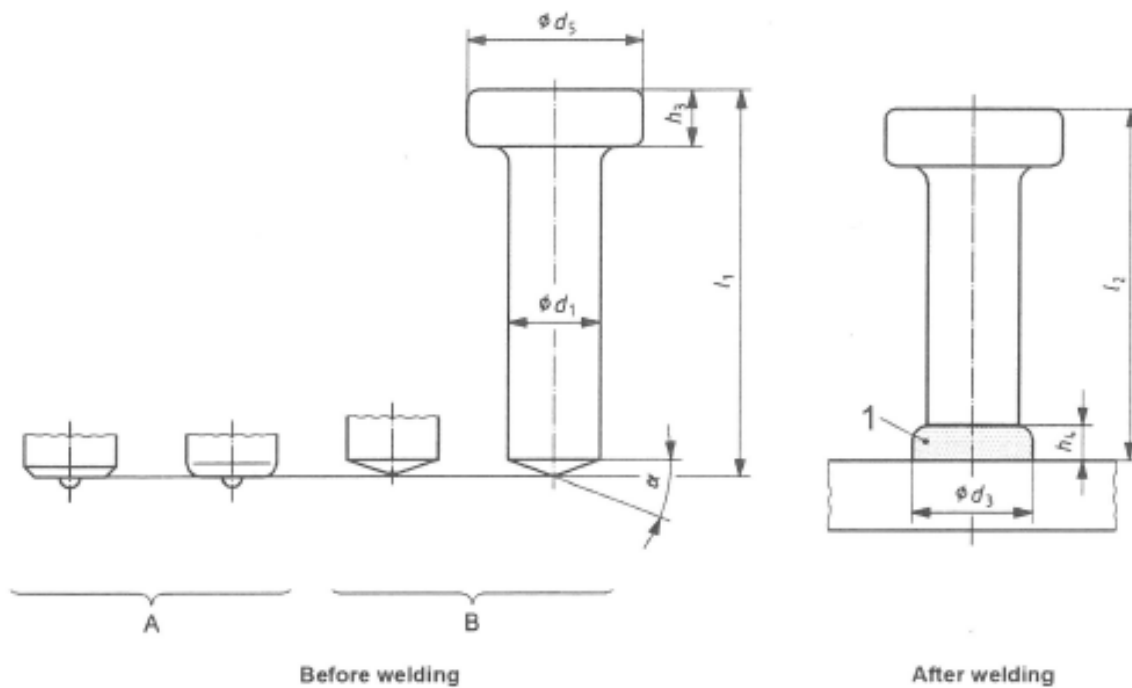


## 9.6 Shear connector (SD)



### Key

- 1 weld collar
- A shape A of tip (example)
- B shape B of tip (example)

Figure 5 — Shear connector (SD)

Table 10 — Dimensions of shear connectors (SD) with  $l_2$  according to Table A.4

Dimensions in millimetres

$d_1 - 0,4^{a,e}$	9,5	10	12,7	13	16	19	22	25	25,4
$d_2 \pm 0,3$	19		25		32 <sup>d</sup>	32	35		41
$d_3^c$	13		17		21	23	29		31
$h_3 \begin{smallmatrix} +1 \\ -0,5 \end{smallmatrix}$	7		8		8	10	10		12
$h_4^c$	2,5		3		4,5	6	6		7
$\alpha \pm 2,5^\circ$	22,5°		22,5°		22,5°	22,5°	22,5°		22,5°
$l_1 \pm 1,5$	$l_2^{b,c} + 3$		$l_2^{b,c} + 3$		$l_2^{b,c} + 4$	$l_2^{b,c} + 4,5$	$l_2^{b,c} + 5$		$l_2^{b,c} + 5,5$
<p><sup>a</sup> Excess diameter or production impressions in the shaft area below the head are permitted up to 0,5 mm, provided they do not affect proper plunge.</p> <p><sup>b</sup> Tolerance on <math>l_2</math> is <math>\begin{smallmatrix} +1 \\ -2 \end{smallmatrix}</math> mm.</p> <p><sup>c</sup> For special conditions, e.g. through-deck stud welding, the dimensions and the tolerances are not applicable.</p> <p><sup>d</sup> May be reduced to 29 mm for shear application.</p> <p><sup>e</sup> Use of the optional dimension depends on national regulations.</p>									