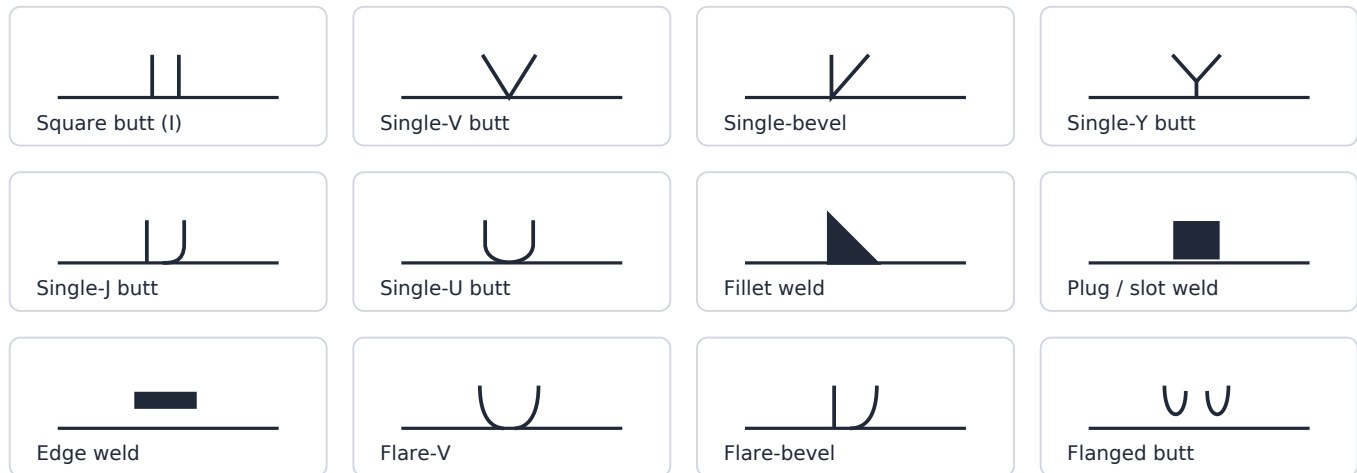


Welding Symbols Chart — ISO 2553 / AWS A2.4

Free one-page reference from weldsymbols.com — 14 languages, joints, symbols, tolerances and threads

Elementary weld symbols



Supplementary symbols

○	Weld all around	Weld continues around the whole joint perimeter
▶	Field / site weld	Weld made on site, not in the workshop
—	Flat (flush) face	Weld face dressed flush
⤿	Convex face	Weld face reinforced / convex
⤿	Concave face	Weld face ground concave
↗	Tail	Process (e.g. 135 = MAG), procedure, standard

ISO 2553 vs AWS A2.4

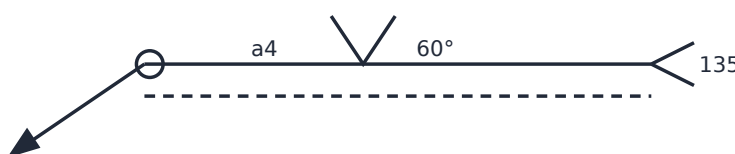
Feature	ISO 2553	AWS A2.4
Reference line	Solid line + dashed identification line	Single solid line
Arrow side	Symbol on the solid line	Symbol below the line
Other side	Symbol on the dashed line	Symbol above the line
Fillet size	a (throat) or z (leg) — letter required	Leg length, no letter
Units	Millimetres	Inches (fractions) or mm
Intermittent weld	n × l (e): count, length, pitch	length-pitch after symbol
Weld all around	Circle at the junction	Circle at the junction

Fillet weld: a-dimension vs z-dimension

a = throat thickness z = leg length $a = z \times 0.7$ $z = a \times 1.41$

a2 = z3 a3 = z4 a4 = z6 a5 = z7 a6 = z8.5 a7 = z10 a8 = z11

How to read a complete symbol



Arrow: points at the joint; the face it touches is the arrow side

Solid reference line = arrow side
Dashed identification line = other side (ISO only)
Tail = process / procedure / standard
Circle at junction = weld all around
Size before symbol, angle above, length after

Intermittent weld: a4 5 × 50 (100) = throat 4 mm, 5 segments, each 50 mm long, pitch 100 mm (centre to centre)