Welding Symbols

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Elementary welding symbols

Square butt weld	 Single-V butt weld	 Single-bevel butt weld	 Single-V butt weld with broad root face	 Single-bevel butt weld with broad root face	 Single-U butt weld	 Single-J butt weld	 Flare-V butt weld	 Flare-bevel butt weld
 Fillet weld	 Plug or slot weld	 Spot weld	 Seam weld	 Backing run	 Surfacing (overlay)	 Flanged butt or corner weld	 Double-V butt weld	 Double-bevel butt weld	 Double fillet weld

Supplementary welding symbols

Flush (flat) finish	 Convex weld face	 Concave weld face	 Toes blended smoothly	 Permanent backing strip (M)	 Removable backing strip (MR)	 Field weld (site weld)	 Weld all around

Complete welding symbols with arrow and reference line

 Reference line, system A	 Reference line, system B	 Fillet weld, arrow side	 Fillet weld, other side	 Fillet weld, both sides	 Single-V butt weld, arrow side	 Fillet weld all around	 Fillet weld made on site	 Welding symbol with tail and process