

IXARC ROTARY ENCODERS

Technical Drawings – Flange

➤ Flange Design: Square

	Type Key	Shaft Diameter (D)	Shaft Length (L)	Protection Class	Material	Flange Size □	Housing Compatibility
	3A70	9.52 [3/8]	16 [0.63]	IP65	Al	52.3 [2]	36 [1.42]
	3C40	6.35 [1/4]	16 [0.63]	IP65	Al	52.3 [2]	36 [1.42]
	3A7S	9.52 [3/8]	16 [0.63]	IP67	Al	52.3 [2]	36 [1.42]
	8R10	6.35 [1/4]	15 [0.59]	IP65	Al	52.3 [2]	36 [1.42]
	8S10	9.52 [3/8]	15 [0.59]	IP65	Al	52.3 [2]	36 [1.42]
	9A7V	9.52 [3/8]	20 [0.79]	IP67	303	63.5 [2.5]	58 [2.28]
	9A70	9.52 [3/8]	20 [0.79]	IP65	Al	63.5 [2.5]	58 [2.28]
	9A7S	9.52 [3/8]	20 [0.79]	P67	Al	63.5 [2.5]	58 [2.28]

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	Type Key	Shaft Diameter (D)	Shaft Length (L)	Protection Class	Material	Flange Size □	Housing Compatibility
<p>Side view dimensions: 13.97 [0.55], 7.62 [0.30], $\phi 31.75$ [1.25], ϕD, L.</p> <p>Top view dimensions: $\phi 5.60$ [0.22], $\square 52.43$ [2.06], $\square 66.70$ [2.63].</p>	4A70	9.52 [3/8]	22.4 [0.88]	IP65	Al	63.5 [2.5]	36 [1.42]
	4B40	6.35 [1/4]	22.4 [0.88]	IP65	Al	63.5 [2.5]	36 [1.42]
	4A7S	9.52 [3/8]	22.4 [0.88]	IP67	Al	63.5 [2.5]	36 [1.42]
<p>Side view dimensions: 13.97 [0.55], 7.62 [0.30], $\phi 31.75$ [1.25], ϕD, L.</p> <p>Top view dimensions: $\phi 5.60$ [0.22], $\square 52.43$ [2.06], $\square 66.70$ [2.63].</p>	5A70	9.52 [3/8]	22.4 [0.88]	IP65	Al	63.5 [2.5]	58 [2.28]
	5B40	6.35 [1/4]	22.4 [0.88]	IP65	Al	63.5 [2.5]	58 [2.28]
	5A7S	9.52 [3/8]	22.4 [0.88]	IP67	Al	63.5 [2.5]	58 [2.28]

All dimension in mm [inch]; Al: Aluminum; 303: Stainless Steel V2A (1.4305, 303); 316 L: Stainless Steel V4A (1.4404, 316 L)

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Flange Design: Square

	Type Key	Shaft Diameter (D)	Shaft Length (L)	Protection Class	Material	Flange Size □	Housing Compatibility
<p>Technical drawing of IXARC rotary encoder flange (Z100-Z10W). The side view shows a square flange with a total width of 78 mm (3.07 inches) and a shaft diameter of 10 mm (0.39 inches). The shaft length is 20 mm (0.79 inches). The flange has a thickness of 24 mm (0.94 inches). The top view shows a square flange with a side length of 80 mm (3.15 inches) and a central hole diameter of 10 mm (0.39 inches). The distance from the center to the mounting holes is 25.6 mm (1.01 inches). The mounting holes have a diameter of 5.60 mm (0.22 inches). The distance between the mounting holes is 69 mm (2.72 inches). The flange has a protection class of IP65 or IP67 and is made of Aluminum (Al) or 316 L Stainless Steel.</p>	Z100	10 [0.39]	20 [0.79]	IP65	Al	80 [3.14]	78 [3.07]
	Z10S	10 [0.39]	20 [0.79]	IP67	Al	80 [3.14]	78 [3.07]
	Z10W	10 [0.39]	20 [0.79]	IP67	316 L	80 [3.14]	78 [3.07]
<p>Technical drawing of IXARC rotary encoder flange (Z120-Z12W). The side view shows a square flange with a total width of 77 mm (3.07 inches) and a shaft diameter of 12 mm (0.47 inches). The shaft length is 20 mm (0.79 inches). The flange has a thickness of 24 mm (0.94 inches). The top view shows a square flange with a side length of 80 mm (3.15 inches) and a central hole diameter of 12 mm (0.47 inches). The distance from the center to the mounting holes is 25.6 mm (1.01 inches). The mounting holes have a diameter of 5.60 mm (0.22 inches). The distance between the mounting holes is 69 mm (2.72 inches). The flange has a protection class of IP65 or IP67 and is made of Aluminum (Al) or 316 L Stainless Steel.</p>	Z120	12 [0.47]	20 [0.79]	IP65	Al	80 [3.14]	78 [3.07]
	Z12S	12 [0.47]	20 [0.79]	IP67	Al	80 [3.14]	78 [3.07]
	Z12W	12 [0.47]	20 [0.79]	IP67	316 L	80 [3.14]	78 [3.07]

All dimension in mm [inch]; Al: Aluminum; 303: Stainless Steel V2A (1.4305, 303); 316 L: Stainless Steel V4A (1.4404, 316 L)