

ROTARY POSITION TECHNOLOGY

ENCODER ACCESSORIES

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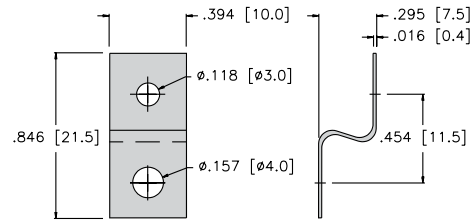
Rotary Position Technology Encoder Accessories

Flex Brackets

Part Number:
RA-FB

Description:
Flex bracket for Hollow Shaft
RI-09, RS-31, RS-33

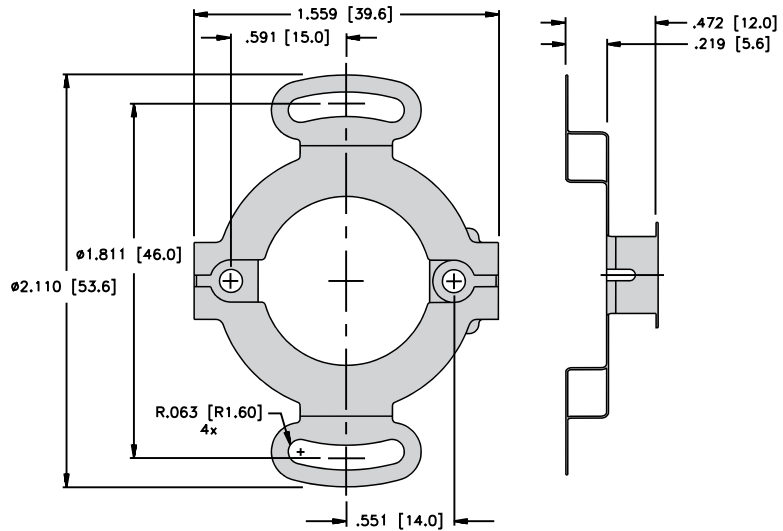
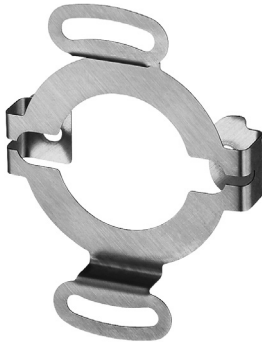
Kit includes: (2) M2.5x6 mm screws



Part Number:
RA-E-46

Description:
Slotted flex mount for hollow shaft series RI-05, RI-09,
RS-07, RS-48, RS-49, RS-53, RM-50, RM-51

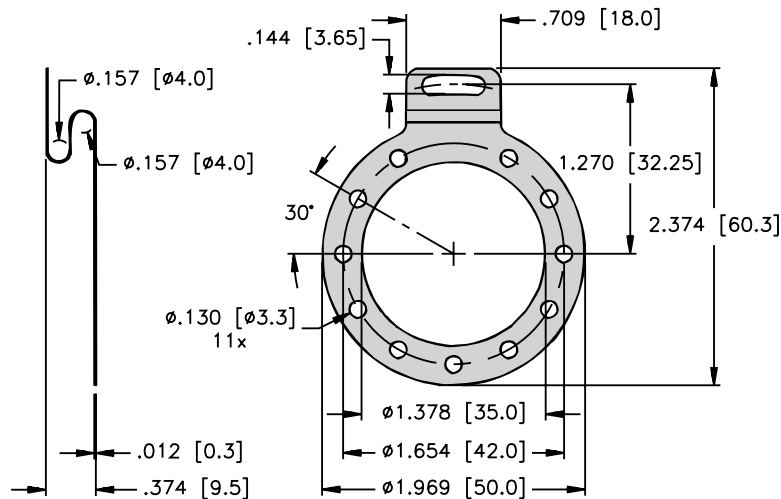
Kit includes: (2) M2.5x6 mm screws



Part Number:
RA-S7

Description: single point tether arm, short, for RI-12, RS-31, RS-33, RM-35, RM-36

Kit includes: (3) M3x6 mm screws



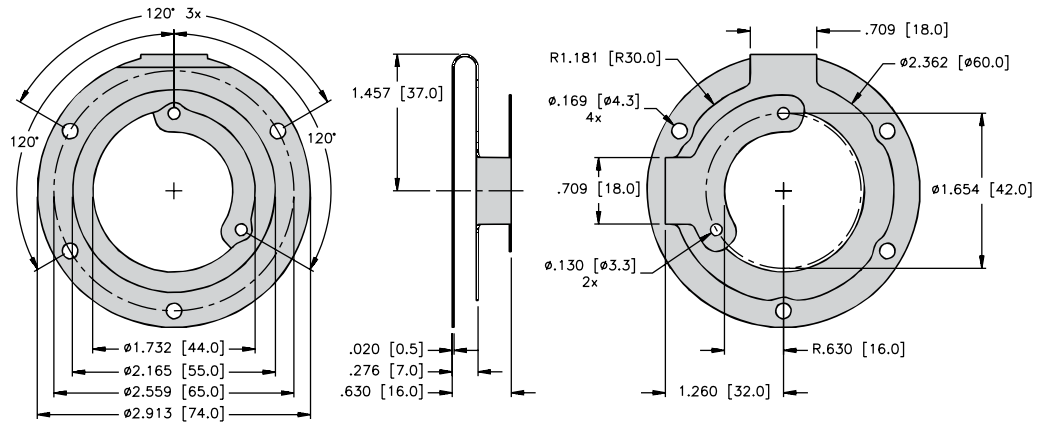
Encoder Accessories

Flex Brackets

Part Number:
RA-E1

Description:
Flex mount, pitch circle $\varnothing$ 65 mm for
RI-12, RS-31, RS-33, RM-35, RM-36

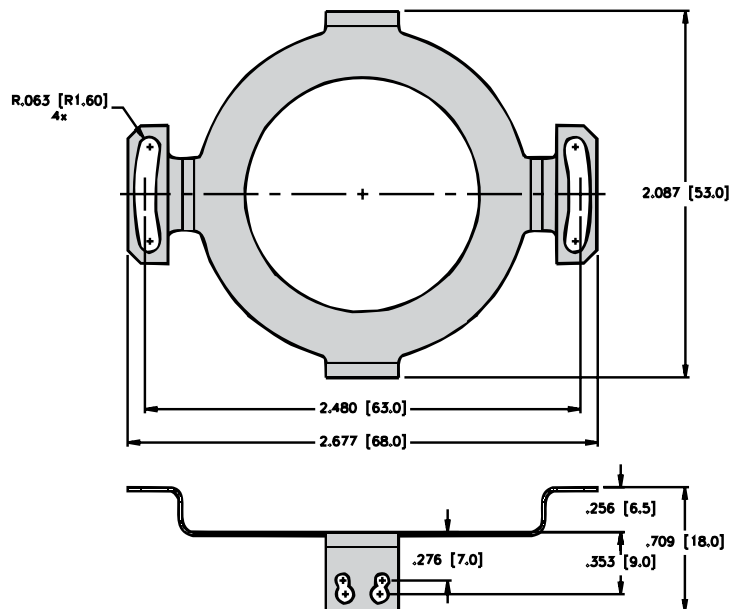
Kit includes: (2) screws to attach
to encoder



Part Number:
RA-E

Description:
Slotted flex mount for RI-12(flange E),
RS-31, RS-33, RM-35, RM-36

Kit includes: (4) M2.5x6 screws
for RI-12, RS-31, RS-33



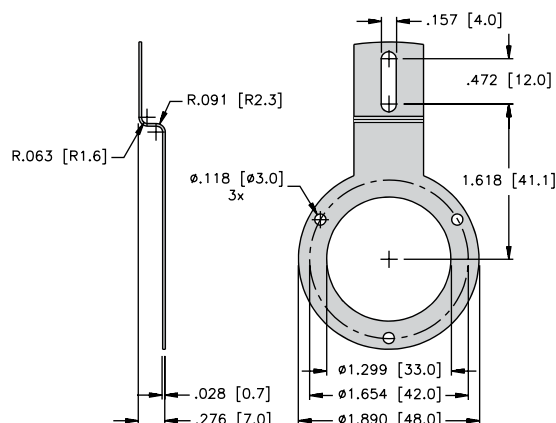
We reserve the right to make technical alterations without prior notice.

Flex Brackets

Part Number:
RA-SB

Description:
Single point tether arm for hollow shaft series RI-12

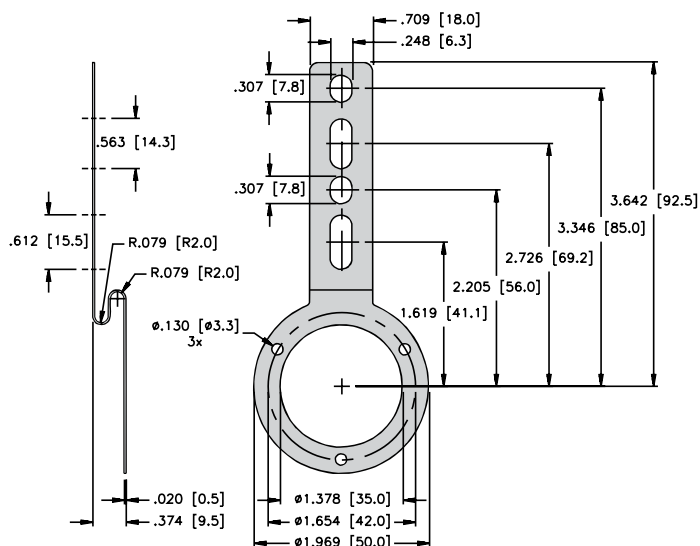
Kit includes: (3) M3x6 mm screws



Part Number:
RA-SA

Description:
Single point tether arm for hollow shaft series RI-12, RS-31, RS-33, RM-35, RM-36

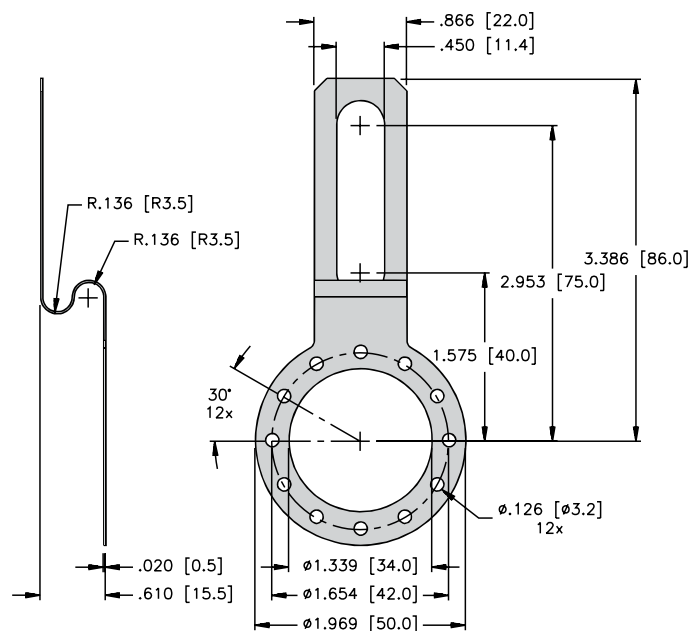
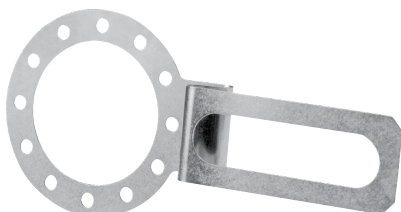
Kit includes: (3) M3x6 mm screws



Part Number:
RA-S1

Description:
Standard single point tether arm for hollow shaft series RI-12

Kit includes: (1) nylon step washer (9.5 mm inside diameter),
(4) M3x6 screws,
(4) lock washers



Rotary Position Technology

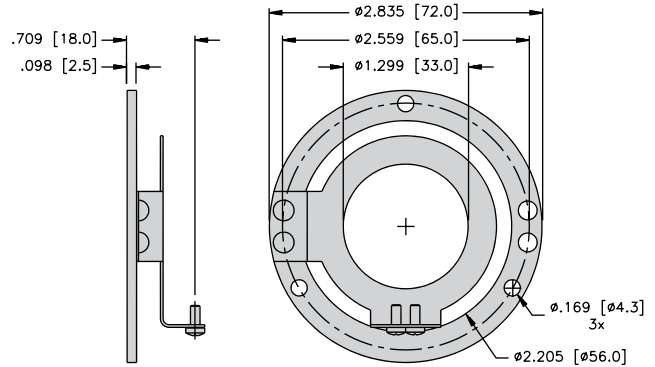
Encoder Accessories

Flex Brackets

Part Number:
RA-E1-SM

Description:
Flex mount for hollow shaft series,
RS-31, RS-33, RM-35, RM-36 (flange E1)

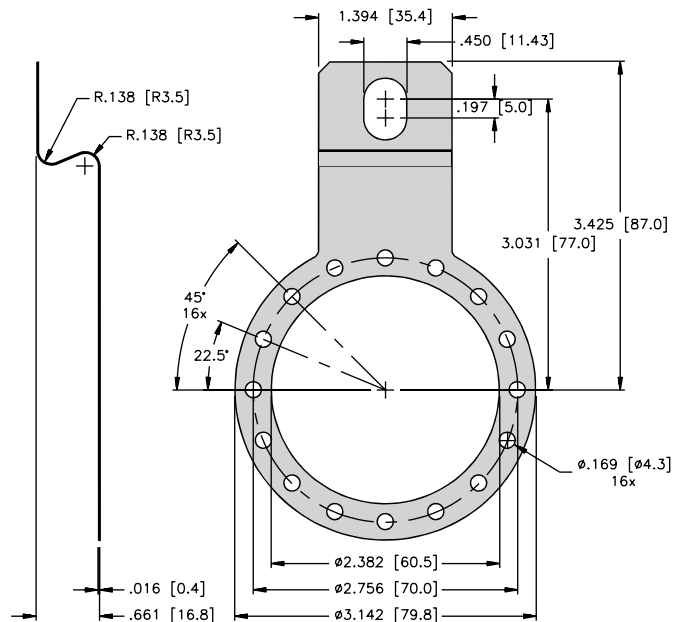
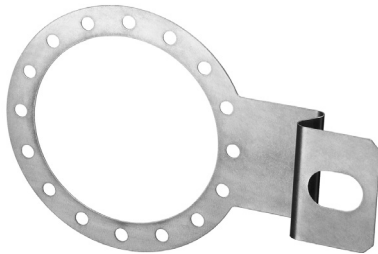
Kit includes: (2) M2.5x6 mm screws



Part Number:
RA-43-E2

Description:
4.5" C-face tether for RI-43

Kit includes: (3) M4x5 mm screws,
(1) 3/8-16 x 1/0" bolt, (1) 3/8-16 nut,
(1) Nylon step washer, (1) Nylon mating washer



We reserve the right to make technical alterations without prior notice.



Flex Brackets

Part Number:
RA-43-S8

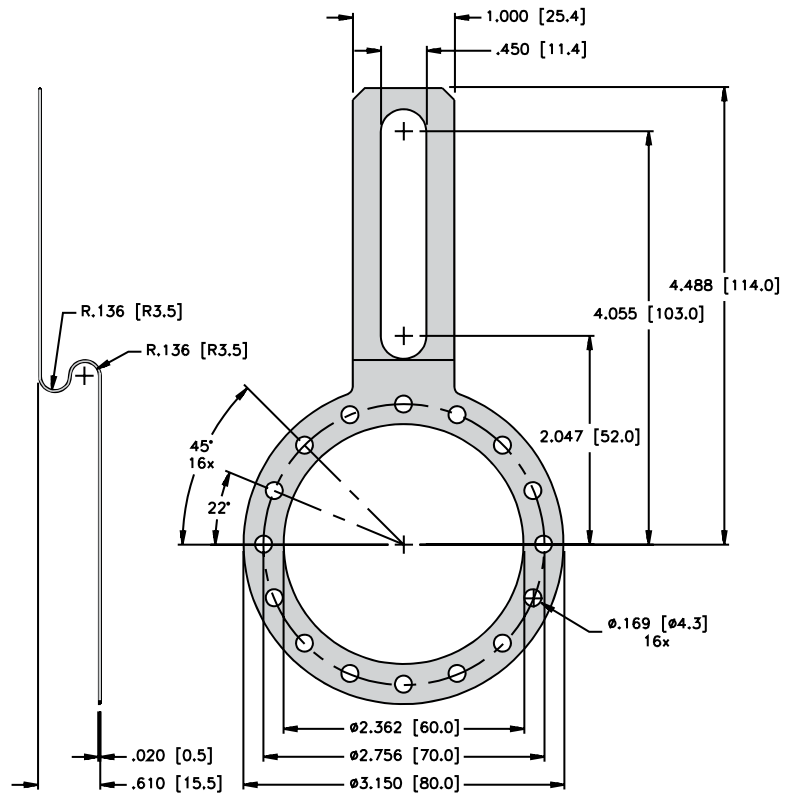
Description:
Tether arm (long) for RI-43

Kit includes: (3) M4x5 mm screws

Part Number:
RA-43-S8-US

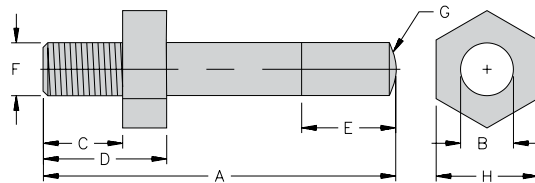
Description:
Tether arm (long) for RI-43

Kit includes: (3) M4x5 mm screws,
(1) 1/4-20 x 1/0" bolt,
(3) 1/4-20 nuts, (1) Nylon step washer,
(1) Nylon mating washer



Torque Pins (Standard and Metric)

Part Number	Description	A	B	C	D	E	F	G (Radius)	H
RA-TP-3-S	RI-02 3 mm, smooth	0.472 (12.0 mm)	0.118 (3.0 mm)	----	----	----	----	0.276 (7.0 mm)	N/A
RA-TP-4-S	RI-09 4 mm, smooth	0.630 (16.0 mm)	0.157 (4.0 mm)	----	----	----	----	0.276 (7.0 mm)	N/A
RA-TP-4-4	RI-12 4 mm, M4 thread	1.181 (30.0 mm)	0.157 (4.0 mm)	0.197 (5.0 mm)	0.315 (8.0 mm)	----	M4x0.7	0.276 (7.0 mm)	0.276 (7.0 mm)
RA-TP-4-832	RI-12 4 mm, 8-32 thread	1.181 (30.0 mm)	0.157 (4.0 mm)	0.250 (6.35 mm)	0.374 (9.5 mm)	----	8-32	0.276 (7.0 mm)	1/4" (6.35 mm)
RA-TP-6-6	RI-43 6 mm, M6 thread	1.575 (40.0 mm)	0.236 (6.0 mm)	0.354 (9.0 mm)	0.551 (14.0 mm)	0.394 (10.0 mm)	M6x1	0.276 (7.0 mm)	0.394 (10.0 mm)

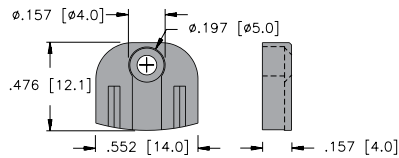


Torque Stop

Part Number:
RA-T1

Description:
Torque stop for RI-05, RI-09, RI-12, RS-07, RS-31, RS-33, RS-48, RS-49, RS-53, RM-35, RM-36, RM-50, RM-51

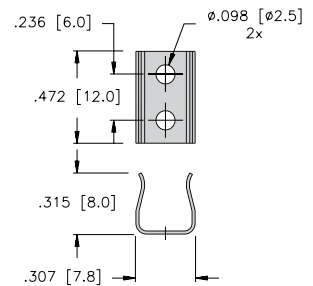
Kit includes:
(1) M2.5x5 mm screw



Part Number:
RA-43-S5

Description:
Torque stop (short) for RI-43 large bore series

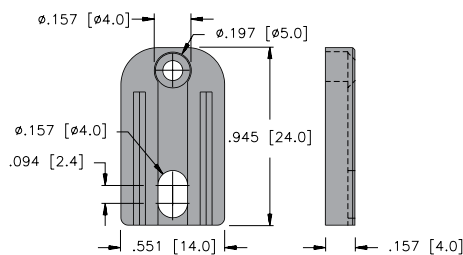
Kit includes:
(2) M2.5x5 mm screws



Part Number:
RA-T

Description:
Torque stop for RI-05, RI-09, RI-12, RS-07, RS-31, RS-33, RS-48, RS-49, RS-53, RM-35, RM-36, RM-50, RM-51

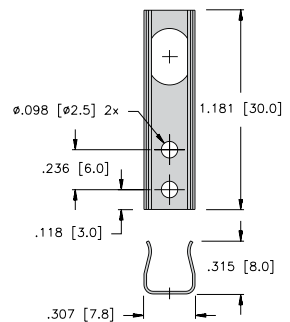
Kit includes:
(1) M2.5x5 mm screw



Part Number:
RA-43-S4

Description:
Torque stop (long) for RI-43 large bore series

Kit includes
(2) M2.5x5 mm screws



Couplings

Turck precision flexible couplings are engineered for optimum performance with Turck encoders. Designed to connect two misaligned shafts, our beam style couplings offer superior performance, reliability, long life and are easy to install.

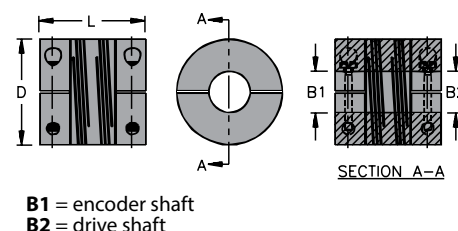
Installation: Clean and degrease all shafts, check parallel alignment. Do not exceed misalignment and axial motion specifications. Clamp one end of the coupling to the drive shaft. Insert encoder into the other end. Tap lightly on the coupling hub to stabilize system. Tighten the second screw.

Note: Light should be visible through the beams.



Coupling Tabulation - in (mm)

Part Number	D	L	Parallel	Angular Misalignment	Axial Motion
TFC075-XXX-XXX	0.745 (19.0)	0.750 (19.0)	0.006 (0.15)	3°	±0.006 (0.13)
TFC100-XXX-XXX	0.995 (25.4)	1.000 (25.4)	0.005 (0.127)	3°	±0.005 (0.13)
TFC125-XXX-XXX	1.240 (31.5)	1.250 (31.75)	0.005 (0.127)	2°	±0.005 (0.13)

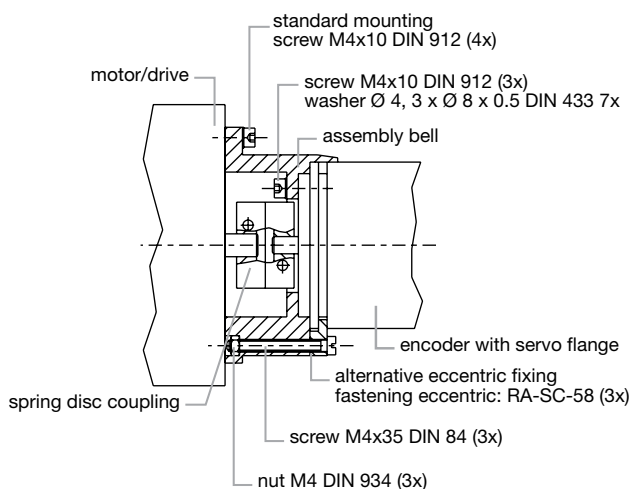
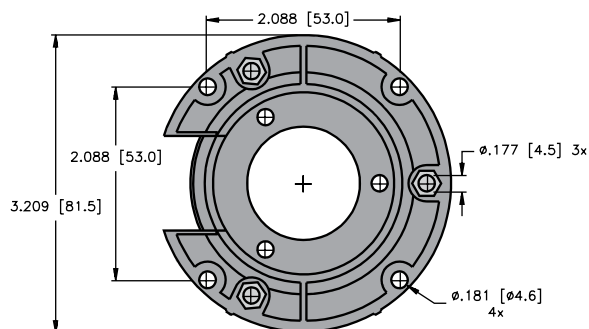
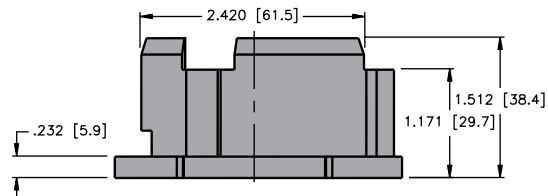
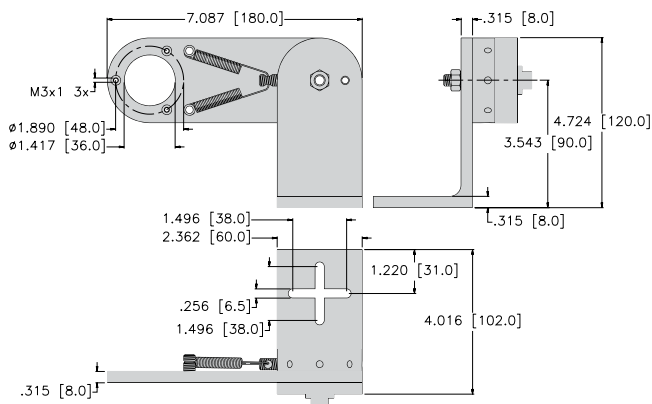


Part Number	Coupling Diameter	Encoder Shaft	Drive Shaft
TFC075-250-M04	0.750 in	0.25 in	4 mm
TFC075-250-M05	0.750 in	0.25 in	5 mm
TFC075-250-M06	0.750 in	0.25 in	6 mm
TFC075-250-M08	0.750 in	0.25 in	8 mm
TFC075-250-125	0.750 in	0.25 in	0.125 in
TFC075-250-187	0.750 in	0.25 in	0.188 in
TFC075-250-250	0.750 in	0.25 in	0.25 in
TFC075-06M-M04	0.750 in	6 mm	4 mm
TFC075-06M-M05	0.750 in	6 mm	5 mm
TFC075-06M-M06	0.750 in	6 mm	6 mm
TFC075-06M-M08	0.750 in	6 mm	8 mm
TFC075-06M-125	0.750 in	6 mm	0.125 in
TFC075-06M-187	0.750 in	6 mm	0.188 in
TFC075-06M-250	0.750 in	6 mm	0.250 in
TFC100-375-125	1.000 in	0.375 in	0.125 in
TFC100-375-187	1.000 in	0.375 in	0.188 in
TFC100-375-250	1.000 in	0.375 in	0.25 in
TFC100-375-375	1.000 in	0.375 in	0.375 in

Part Number	Coupling Diameter	Encoder Shaft	Drive Shaft
TFC100-375-M04	1.000 in	0.375 in	4 mm
TFC100-375-M05	1.000 in	0.375 in	5 mm
TFC100-375-M06	1.000 in	0.375 in	6 mm
TFC100-375-M08	1.000 in	0.375 in	8 mm
TFC100-375-M10	1.000 in	0.375 in	10 mm
TFC125-12M-125	1.250 in	12 mm	0.125 in
TFC125-12M-187	1.250 in	12 mm	0.188 in
TFC125-12M-250	1.250 in	12 mm	0.250 in
TFC125-12M-375	1.250 in	12 mm	0.375 in
TFC125-12M-500	1.250 in	12 mm	0.5 in
TFC125-12M-M06	1.250 in	12 mm	6 mm
TFC125-12M-M08	1.250 in	12 mm	8 mm
TFC125-12M-M10	1.250 in	12 mm	10 mm
TFC125-12M-M12	1.250 in	12 mm	12 mm
TFC125-375-M12	1.250 in	0.375 in	12 mm
TFC125-375-500	1.250 in	0.375 in	0.5 in

Other options available on request.

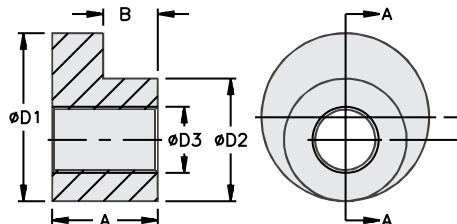
Spring Loaded Bracket



Servo Cleats

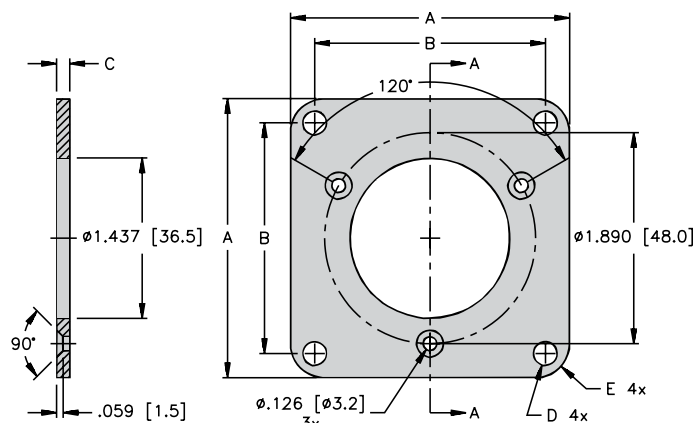
Part Number	For Encoder Type	D1 in. [mm]	D2 in. [mm]	D3 in. [mm]	A in. [mm]	B in. [mm]	C in. [mm]
RA-SC-36	36 mm servo flange	0.267 [6.8]	0.197 [5.0]	0.110 [2.8]	0.138 [3.5]	0.089 [2.25]	0.35 [0.9]
RA-SC-58	58 mm servo flange	0.350 [8.9]	0.256 [6.5]	0.126 [3.2]	0.220 [5.6]	0.114 [2.9]	0.047 [1.2]

- For use with rotary encoders with servo flange
- Kit includes: 3 cleats and 3 screws
- Chrome plated steel
- Galvanized nickel finish



Mounting Attachments

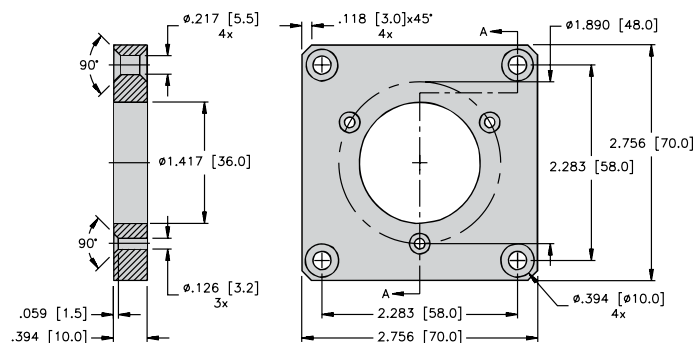
Part Number	Description	A in. [mm]	B in. [mm]	C in. [mm]	D in. [mm]	E in. [mm]
RA-R-58-4	Square adapter flange	2.283 [58.0]	1.890 [48.0]	.157 [4.0]	.177 [4.5]	.157 [4.0]
RA-R-63-3		2.500 [63.5]	2.067 [52.5]	.118 [3.0]	.217 [5.5]	.295 [7.5]
RA-R-80-4		3.150 [80.0]	2.559 [65.0]	.157 [4.0]	.217 [5.5]	.295 [7.5]



Part Number:
RA-R-70-10

Description:
Used with 58 mm clamping flange face mount kit

Kit includes: Mounting screws

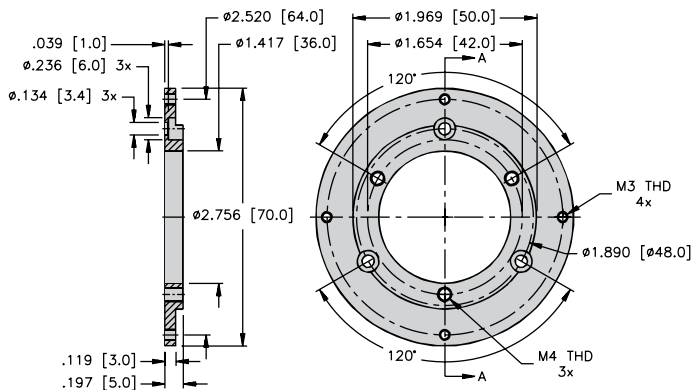


Mounting Attachments

Part Number:
RA-S-70-5

Description:
70 mm flange for shafted encoders RI-10

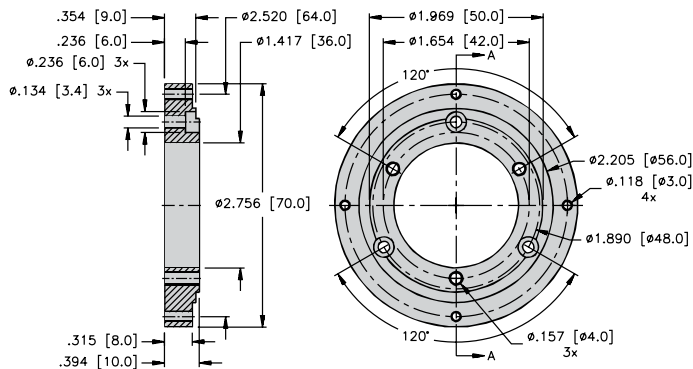
Kit includes: 3 screws to attach flange to encoder



Part Number:
RA-S-70-10

Description:
70 mm flange for shafted encoders RI-10, RS-24, RS-25, RM-28, RM-29

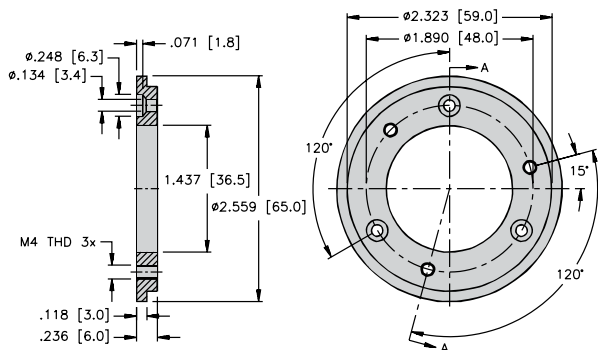
Kit includes: 3 screws to attach flange to encoder



Part Number:
RA-S-65-6

Description:
65 mm flange for shafted encoders RI-10, RS-24, RS-25, RM-28, RM-29

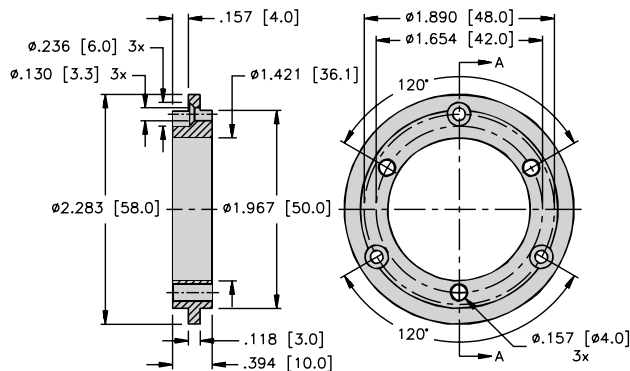
Kit includes: 3 screws to attach flange to encoder



Part Number:
RA-S-58-10

Description:
58 mm flange to convert encoders with clamping flange into servo flange

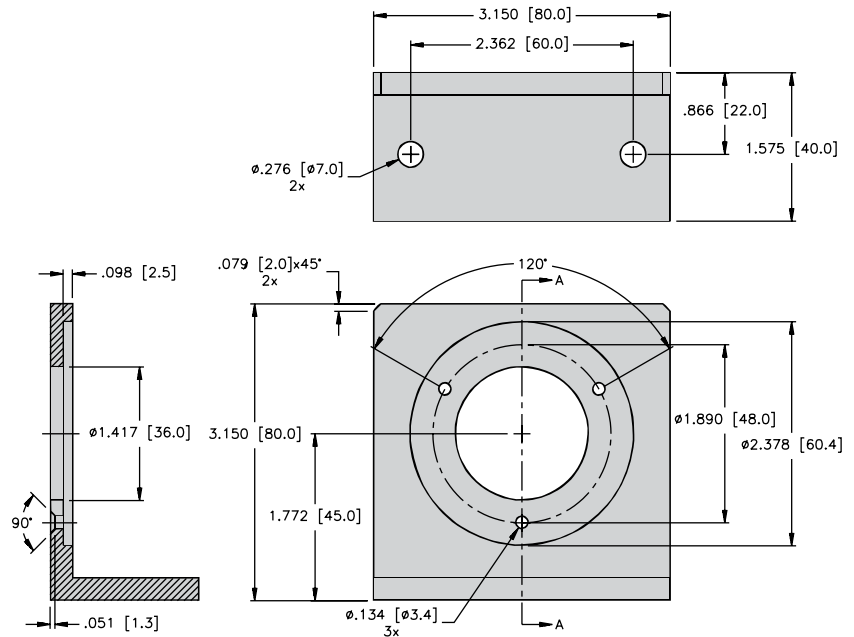
Kit includes: 3 screws to attach flange to encoder



Brackets

Part Number:
RA-MB-58

Description:
Right angle bracket
Used with clamping flange Ø 58 mm face mount
Screws Included



Rack and Pinion

Part Number:
RA-RACK-1000

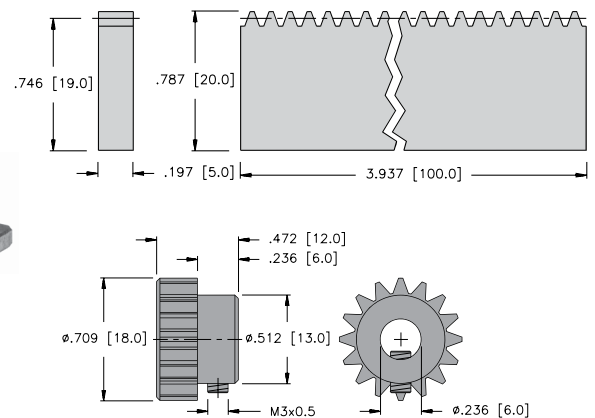
Description:
Rack

Part Number:
RA-P-6
RA-P-10

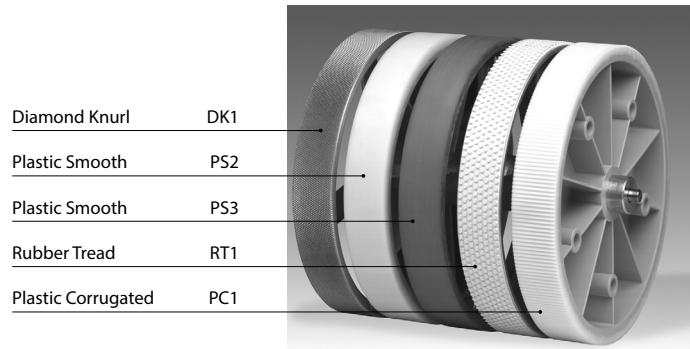
Description:
Pinion

Part Number:
RA-RACK-95

Description:
Support



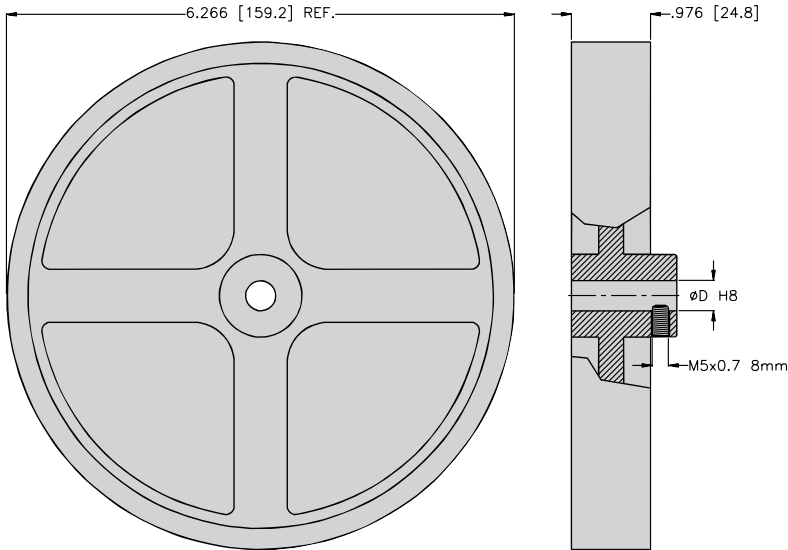
Wheels



Selection of the measuring wheel profile according to the surface of the measured material

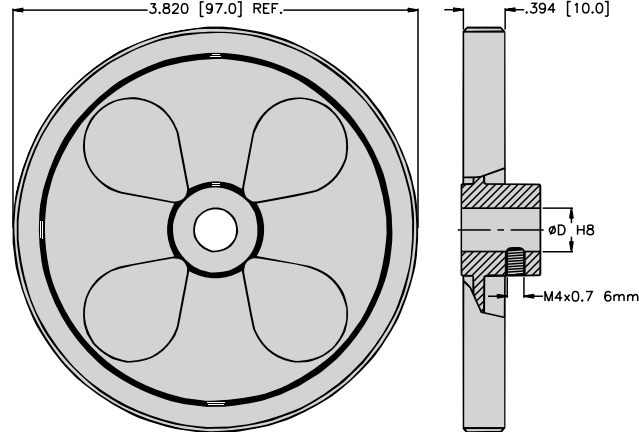
Surface of the Measured Material	Recommended Profile No.
Cardboard	DK1, PS1, PS2, PS3, RS1, RT1
Wood	DK1, PS1, PS2, PS3, RS1, RT1
Textile	DK1, RT1, PC1
Plastic (e.g., PVC, PE, ...)	PS1, PS2, PS3, RS1
Paper	PS1, PS2, PS3, RS1
Wire	PS3, RS1
Bare metals	RT1
Varnished surfaces	RT1

Measuring Wheel No. 05

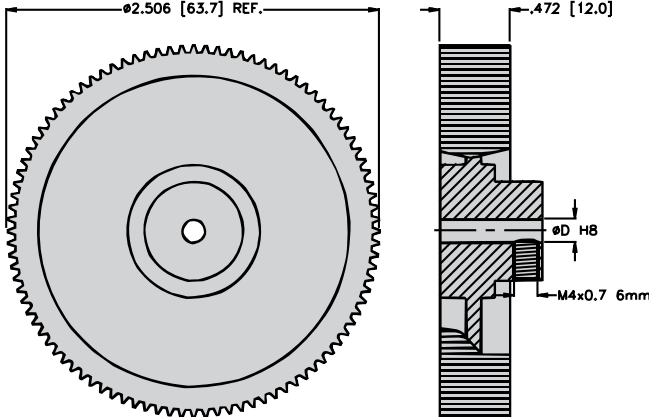


We reserve the right to make technical alterations without prior notice.

Measuring Wheel No. A9



Measuring Wheel No. 02



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Wheels

A		B		C		D
RMW	-	02	-	DK1	-	6

"B" Measuring Wheel Circumference/Diameter/Width	"C" Profile Code	Coating	Coating Hardness Shore A	Wheel Body Material	Working Temperature (°C)	Weight (g)	"D" Standard Bore (mm) ¹⁾
02 0.2 m/ø 63.7 mm/12 mm	DK1	Diamond knurl (aluminum)		Aluminum	-30 to +80	60	6, 10
	PS1	Polyurethane smooth	90	Aluminum	-30 to +80	60	6, 10
	RT1	Rubber tread	60	Aluminum	-30 to +80	60	6, 10
	PC1	Polyurethane corrugated	90	Aluminum	-30 to +80	60	6
05 0.5 m/ø 159.2 mm/25 mm	DK1	Diamond knurl (aluminum)		Aluminum	-30 to +80	350	10
	PS2	Polyurethane smooth	90	Plastic	-10 to +50	260	10
	PS1	Polyurethane smooth	90	Aluminum	-30 to +80	700	10
	PS3	Polyurethane smooth	90	Aluminum	-30 to +80	320	10
	RT1	Rubber tread	60	Aluminum	-30 to +80	700	10
	PC1	Polyurethane corrugated	90	Aluminum	-30 to +80	700	10
B0 6"/1.9"/0.47"	DK1	Diamond knurl (aluminum)		Aluminum	-30 to +80	40	6
A9 12"/3.82"/0.47"	DK1	Diamond knurl (aluminum)		Aluminum	-30 to +80	115	10
	PS1	Polyurethane smooth	90	Aluminum	-30 to +80	115	10
	RT1	Rubber tread	60	Aluminum	-30 to +80	110	10
	PC1	Polyurethane corrugated	90	Aluminum	-30 to +80	115	10
A9 12"/ø 3.82"/0.38"	RS1	Natural rubber smooth	75	Aluminum	-30 to +80	100	10

¹⁾ Other bore diameters on request

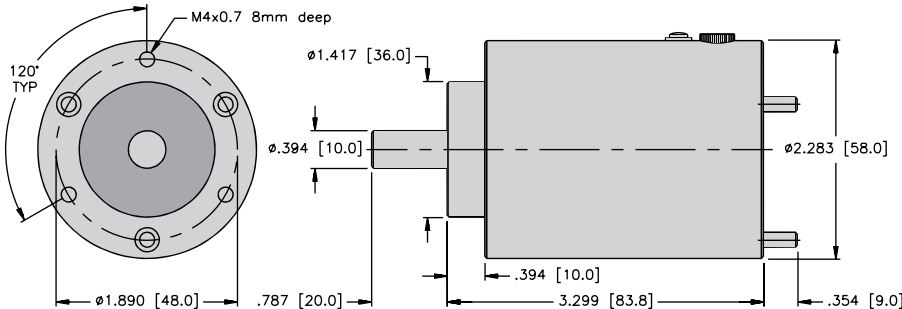
Bearing Unit

Part Number:
RA-BU-10-10

Description:
Robust bearing unit for solid
shaft encoders with clamping flange
and shaft 10 mm

Speed: Max 6,000 RPM
Load: Radial: 135 lbs (600 N),
Axial: 45 lbs (200 N)
Weight: 1.23 lbs (0.56 kg)
Protection: IP67 (when closure
caps are used)

Kit includes:
- Bearing box
- (3) M4x25
cylindrical pins
- (1) O-ring



Unit shown with optional encoder attached.
Consult factory for additional information.



Rotary Position Technology

Connection Accessories

Notes:

We reserve the right to make technical alterations without prior notice.

