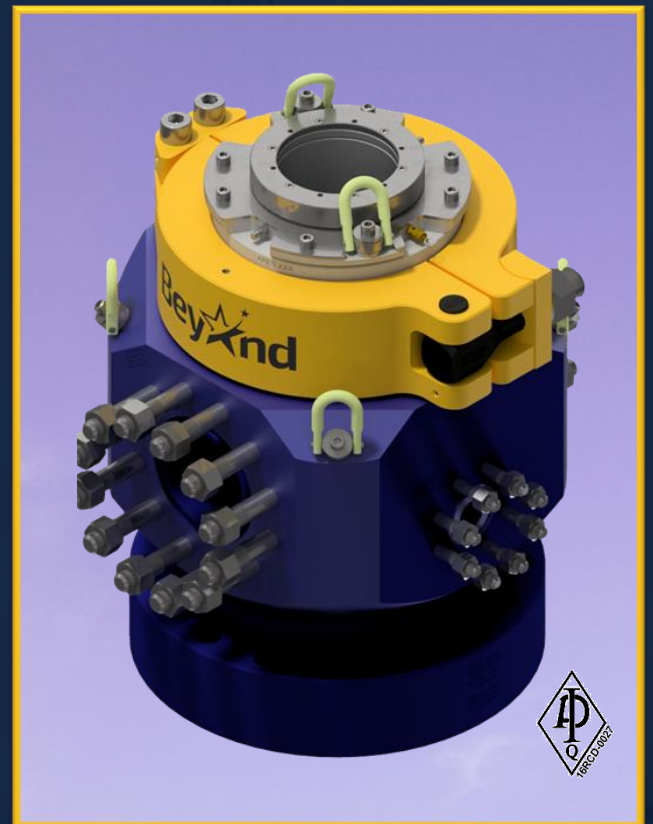


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ENERGY SERVICES & TECHNOLOGY CORP.

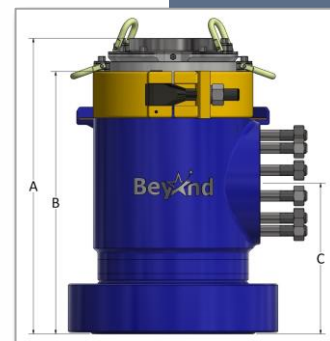
## TITAN Series Rotating Control Device (RCD)



# TITAN Series Rotating Control Device (RCD)

## Main Specifications – TITAN series body

Series	TITAN
Inside Diameter	Dictated by ID of Lower Flange
Bottom Inlet	Upon Request (see <i>Dimensional Data</i> )
Side Outlet	7 1/16" 5 000 API Flange (Studded)
Additional Side Outlet (TITAN 5 – Standard, TITAN 3 – Optional)	4 1/16" 5 000 API Flange (Studded)
Equalize/Bleed Down Outlet	2 1/16" 5 000 API Flange (Studded)
Pressure Rating	TITAN 5 Body – 5 000 psi (34.5 MPa) TITAN 3 Body – 3 000 psi (20.7 MPa)
API 16RCD Monogram	No. 0027



A = Overall Height  
B = Body Height  
C = Center of Outlets

## Dimensional Data

### TITAN 3 Assembly (3 000psi – 20.7 MPa)

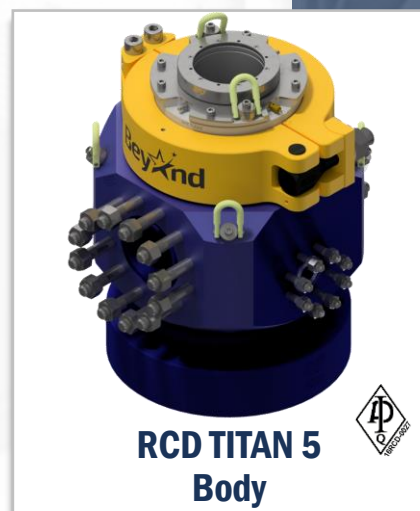
Bottom Flange* ‡	Overall Height with ARES 1578 Bearing Assembly	Body Height	Center of Outlets
13 5/8" 5M	37.4" 95.0 cm	33.2" 84.3 cm	19.1" 48.5 cm
11" 5M	36.9" 93.7 cm	32.7" 83.1 cm	18.5" 47.0 cm
11" 3M	35.2" 89.4 cm	31.0" 78.7 cm	16.8" 42.6 cm
9" 5M	35.7" 90.7 cm	31.5" 80.0 cm	17.3" 43.8 cm
7 1/16" 5M	35.2" 89.4 cm	31.0" 78.7 cm	16.8" 42.6 cm

‡ Shorter TITAN 3 bodies can be manufactured on special request

### TITAN 5 Assembly (5 000psi – 34.5 MPa)

Bottom Flange*	Overall Height with ARES 1578 Bearing Assembly	Body Height	Center of Outlets
13 5/8" 5M	37.8" 96.0 cm	34.0" 86.4 cm	18.8" 47.8 cm
11" 5M	37.8" 96.0 cm	34.0" 86.4 cm	18.8" 47.8 cm
11" 3M	36.7" 93.2 cm	32.5" 82.6 cm	17.3" 43.8 cm

\* API Rotating flanges. Please inquire for Overall Height with ARES 3078 and ARES 3090.



**All Beyond Energy RCD Products are developed in accordance with API Spec 16RCD**

# TITAN Series Rotating Control Device (RCD) Main Specifications – ARES Series Bearing Assembly

ARES bearing assemblies are compatible with either the TITAN 3 or TITAN 5 bodies

		1578 Bearing Assembly	3078 Bearing Assembly*	3090 Bearing Assembly*
Maximum Outer Diameter		17 ¼" (43.8 cm)	17 ¼" (43.8 cm)	17 ¼" (43.8 cm)
Passthrough Diameter		7 ¾" (19.7 cm)	7 ¾" (19.7 cm)	9" (22.86 cm)
Static Pressure Rating		3 000 psi (20.7 MPa)	5 000 psi (34.5 MPa)	5000 psi (34.5 MPa)
Dynamic Pressure Rating	@ 60 RPM	1 500 psi (10.4 MPa)	3 000 psi (20.7 MPa)	3000 psi (20.7 Mpa)
	@ 100 RPM	1 500 psi (10.4 MPa)	2 500 psi (17.2 MPa)	2330 psi (16.1 Mpa)
	@ 150 RPM	1 000 psi (6.9 MPa)	1 500 psi (10.3 MPa)	1500 psi (10.3 MPa)
	@ 200 RPM	1 000 psi (6.9 MPa)	To Be Determined	250 psi (1.7 MPa)
Maximum RPM		200 RPM	200 RPM	200 RPM



**ARES 1578  
Bearing Assembly**



**ARES 3078  
Bearing Assembly**



**ARES 3090  
Bearing Assembly**

## Dual Upper Stripper Assembly (DUSA)

		ARES 3078 Bearing Assembly with Dual Sealing Element	ARES 3090 Bearing Assembly with Dual Sealing Element
Maximum Outer Diameter		17 ¼" (43.8 cm)	17 ¼" (43.8 cm)
Passthrough Diameter		7 ¾" (19.7 cm)	9" (22.86 cm)
Overall Height above TITAN RCD Body		36.1" (91.7 cm)	39.7" (101 cm)
Weight (not including elements)		1 505 lbs (683 kg)	1595 lbs (724 kg)
Static Pressure Rating		5 000 psi (34.5 MPa)	5 000 psi (34.5 MPa)
Dynamic Pressure Rating	@ 60 RPM	3 000 psi (20.7 MPa)	3 000 psi (20.7 MPa)
	@ 100 RPM	2 500 psi (17.2 MPa)	2 330 psi (16.1 MPa)
	@ 150 RPM	1 500 psi (10.3 MPa)	1 500 psi (10.3 MPa)
	@ 200 RPM	To Be Determined	250 psi (1.7 MPa)
Maximum RPM		200 RPM	200 RPM

# We do Managed Pressure Drilling.



V1.1