

## PRODUCT NAME

# RA-416

LIFETIME (hrs) as a FUNCTION of RPM & TORQUE							
Torque	RPM						
	IN-LB	50	100	200	500	1000	2000
6	20,000	20,000	20,000	20,000	20,000	20,000	20,000
7	20,000	20,000	20,000	20,000	20,000	20,000	16,000
8	20,000	20,000	20,000	10,500	4,500	1,800	
9	20,000	10,000	4,600	1,650	750	340	
10	9,100	4,500	2,150	810	480	175	
11	4,900	2,400	1,200	430	200	90	
12	2,700	1,330	640	240	110	50	

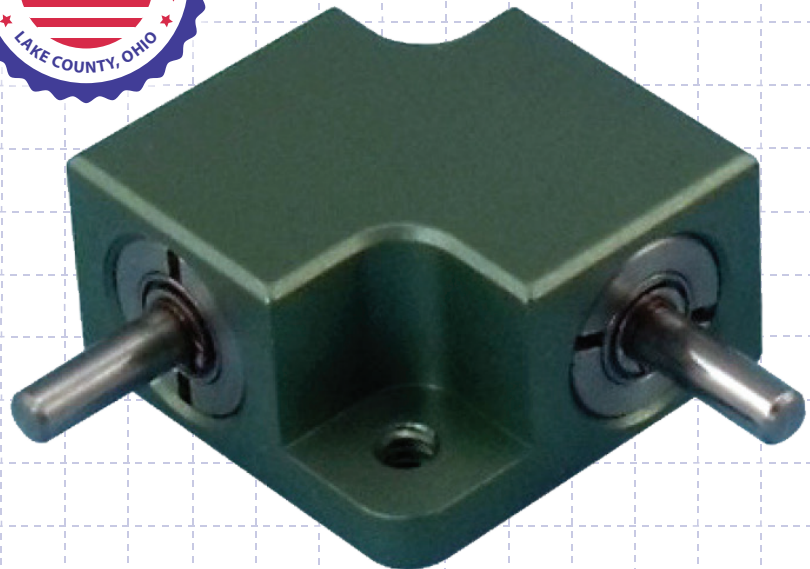
2,000 RPM Maximum  
Standard Backlash of 1°

- Torque from 6 to 19 inch\* pounds
- Application rated for optimum operation and cost
- You can balance Torque to RPM and Operating Life
- Backlash 1°
- Low Backlash 1/2°
- Weight of only 0.46 lb.
- RPM to 3,000
- Temp range -5° F to +175° F, -40° F grease optional
- Made in USA with American CNC machine

## MATERIALS

303 Stainless Steel Shafts  
Anodized Aluminum Housing  
Sealed Steel Ball Bearings  
Greased for life: Shell Alvania EP2. Cold temp. grease optional

**Exclusive 24 Month Warranty!**  
See our website for CAD files



RA-416

## 1:1 GEARBOXES

UNIQUELY RATED SO YOU CAN BALANCE TORQUE TO RPM TO LIFE

## ADDITIONAL INFORMATION

Calculations are based on an application factor of 1.25. They apply to a medium impact drive turning a uniform load or a uniform drive turning a moderate impact load. Life Time figures shown are for guidance only. Testing in your application is required. You will need to assess duty cycles and confirm suitability with your own calculations.

## TECHNICAL DRAWING

