

Application Information

Phone Number	Company Name	Contact Nam	1e	
1. Description of application: 2. Number of cycles/year Desired service life in years	Phone Number	Email Address	3	
2. Number of cycles/year Desired service life in years 3. Drawing or sketch (hand drawn) which reflects the actuator(s) installation attached:	1. Description of application:			
2. Number of cycles/year Desired service life in years				
3. Drawing or sketch (hand drawn) which reflects the actuator(s) installation attached:	2. Number of cycles/year Desired se	ervice life in years		
4. Load diagram reflecting the geometry and load centers (Clenters of Gravity) relative to the actuator attached:	3. Drawing or sketch (hand drawn) which reflect	is the actuator(s) installation att	ached: 🗆	_
	4. Load diagram reflecting the geometry and loa	d centers (Centers of Gravity) re	elative to the actuator attached: E]
6. Inquiry for: Active tunded project Feasibility study for future project Information only 7. Project schedule target dates: First prototype First production prist production production prist production production prist productin prist productin pr	5. Anticipated annual quantities (units per year):	Year 1 Year 2	Year 3	
Project Schedule target dates: First production	6. Inquiry for: LI Active funded project	Feasibility study for future	e project L information of	oniy
	7. Project schedule target dates: First prototype	FIRST produc		
e. Hereuneor holding torques 10. Will torque be transmitted from one or both ends of the actuator? One end Both ends 11. Acceptable backlash:	 Required bulging torque: 			
11. Acceptable backlash:	10 Will torque be transmitted from one or both er		One and 🗖 Both ands	
12. Actuator will be used for: Torque and load bearing capacity Torque only 13. Hydraulic pressures: Normal operation Minimum 14. Required rotation: 180° 15. Hydraulic fluid: Standard petroleum-based Synthetic 16. Is the hydraulic fluid compatible with nitrile/polyurethane seals and glass reinforced nylon bearing materials? Yes 16. Is the hydraulic fluid operating temperatures: Minimum 17. Hydraulic fluid operating temperatures: Minimum 18. Environmental temperatures: Minimum 19. Maximum bearing loads that will be applied to the actuator (See Figure 1 to the right) Thrust load: Intrust load Intrust load: Intrust load <	11 Acceptable backlash:			
13. Hydraulic pressures: Normal operation Minimum Maximum psi psi psi 14. Required rotation: 180° 360° Other 15. Hydraulic fluid: Standard petroleum-based Synthetic Other (Specify) 16. Is the hydraulic fluid compatible with nitrile/polyurethane seals and glass reinforced nylon bearing materials? Yes No 17. Hydraulic fluid operating temperatures: Minimum Maximum Fahrenheit Celsius 18. Environmental temperatures: Minimum Maximum Fahrenheit Celsius 19. Maximum bearing loads that will be applied to the actuator (See Figure 1 to the right) Thrust load: Ib Ib Ib Ib Ib Ib Ib Ib Ib Cantilever mounting Load supported at both ends of shaft *tkm does not assume any responsibility beyond the design and performance of its rotary actuator roduct due to the unlimited variety of operating conditions and applications. The customer is solely exponsible for the final selection of any Hktm product or system and its suitability for the application in question. The overall integrity of the installation, and the application's safety, and compliance with industry	12. Actuator will be used for:	ad bearing capacity	Torque only	
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19. Maximum bearing loads that will be applied to the actuator (See Figure 1 to the right) Thrust load: Ib kg Radial load: Ib kg Moment load: In-lb Nm Hktm does not assume any responsibility beyond the design and performance of its rotary actuator product due to the unlimited variety of operating conditions and applications. The customer is solely responsible for the final selection of any Hktm product or system and its suitability for the application in question. Explanation of Loading Terms Figure 1 Thrust Load Straddle mounting Load supported at both ends of shaft Cantilever mounting Load supported at only one end of shaft Thrust Load Thrust Load Thrust Load Thrust Load Torque Torque Torque Integrity of the installation, and the application's safety, and compliance with industry Thrust Load	18. Environmental temperatures: Minimum	Maximum	🗆 Fahrenheit 🛛 🗆 Celsiu	S
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	The overall integrity of the installation, and the application's safety, and	d compliance with industry	(lorque Flange)	

standards and warning requirements are the utimate responsibility of the customer. The customer is solely responsible for the engineering of mating structures, fasteners, and other associated components related to the installation of the product and its ultimate application. Hktm Corporation recommends that prototype testing be conducted to verify installation integrity. Testing with applied loads that equal or exceed the static and dynamic load frequency and intensity are recommended to determine the suitability of the actuator for the application.

Documents or information provided by Hktm, its subsidiaries or authorized distributors are intended for users having technical expertise. It is important to throughly analyze all aspects of your application and review current product information.

Moment Load Torque (Idler Flange) Hidropar | Hareket Kontrol Teknolojileri Merkezi San. ve Tic. A.Ş. 1 +90 444 45 80 🗐 +90 262 643 84 14

info@hktm.com.tr

www.hktm.com.tr

Radial

Load

Load

Moment

Load

Gebze Plastikçiler OSB. İnönü Mah. Cumhuriyet Cd. No.: 31 - 41400 Gebze / Kocaeli / Türkiye