

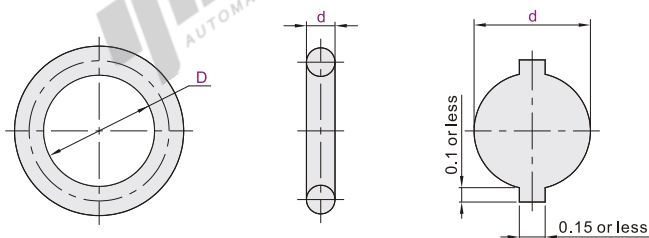
Large Diameter, Configurable Type ▶ O-Rings



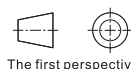
Code	Type	Material	Hardness (Shore)	Color	Operating Temp. Range	Applications
XTM01	Large Diameter	Nitrile Rubber	HA70±5	Black	-20~100°C	Mineral Oil Resistant
XTM02			HA90±5			
XTM11		Fluoro Rubber	HA70±5		-10~200°C	Heat Resistant, Chemical Resistant
XTM12			HA90±5			
XTM31		Ethylene Propylene Rubber	HA70±5		-40~120°C	Heat Resistant

Features

- Wire diameter and inner diameter are configurable type.
- Able to keep high level of air tightness because of vulcanization molding.
- No breaks from joint parts.



① Enlarged Cross Section



The first perspective

Inner Dia. D Tolerance

Part Number		Wire Dia. d Tolerance	Inner Dia. D 1 mm Increment
Code	Wire Dia. d		
XTM01 XTM02 XTM11 XTM12 XTM31	3.1		300~2000
	3.53	±0.13	
	4		
	5.33		
	5.7		
	6	±0.15	
	7		
	8		
	8.4	±0.2	
	9	±0.25	
XTM01 XTM02 XTM11	10		
	11	±0.3	
	12		
	13		
	15	±0.39	
	16		
	18	±0.48	
	20		

Inner Dia. D	Inner Dia. D Tolerance
300~400	±2.82
401~500	±3.3
501~600	±4
601~700	±4.7
701~800	±5.3
801~900	±6
901~1000	±6.7
1001~1100	
1101~1200	
1201~1300	±7.5
1301~1400	
1401~1500	
1501~1600	±8.8
1601~1700	±9.4
1701~1800	
1801~1900	±10
1901~2000	



Please order as shown

Part Number		Inner Dia. D
Code	Wire Dia. d	
XTM01	3.1	300~2000
XTM11	3.53	

XTM01—d3.1—D350



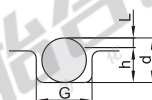
Discount price	
Per	Price
1~4	100%
5~	Additional quotation



Delivery	
	9

Design Standards of O-Rings & Groove Dimension

- ① In case of internal or external pressure seal on flat surfaces, set crush rate at 8 to 30% as a guide.



Setting Crush Ratio (Operating Rang 8-30%)
 $E = (L/d) \times 100$
 $E(\%)$: Crush Rate L : Crush Width(=d-h)
 d : O-Ring Wire Dia. h : Groove Depth

- ② Design Standard of Internal and External Circumstances(Reference)
 Inner Diameter Expansion Rate (%) 0-5%
 Outer Diameter Expansion Rate (%) 0-3%