

# MONTIMOLD® O-RINGS

The new standard for LARGE size O-rings



## BIG, BIGGER, ENDLESS

000.123.456.789



**NEW DEAL SEALS**  
SEALING SOLUTIONS



## MONTIMOLD® O-RINGS

Conventionally large size O-rings (I.D.>1000[mm]) are produced by gluing or vulcanizing rubber cord together. This production method is quick and relatively cheap for small volumes. The downside of this production method is it is not as accurate and reliable as molding an O-ring. NewDealSeals MONTIMOLD® O-rings are produced using a continuous molding process. This allows NewDealSeals to deliver O-rings without a maximum size limit while at the same time maintaining the precision of molded O-rings.

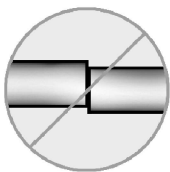
## WHY CHOOSE MONTIMOLD® O-RINGS?

### COMMERCIAL BENEFITS

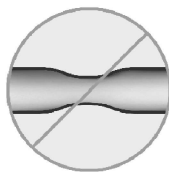
- **No tooling costs**  
MONTIMOLD® O-rings are produced using a variable mold. Therefore there are no tooling costs.
- **No minimum order quantity**  
There is no minimum order quantity for MONTIMOLD® O-rings.
- **Fast delivery**  
Standard delivery time is 4 weeks. Express delivery possible. Express delivery: 48 hours.

### TECHNICAL BENEFITS

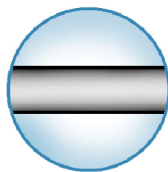
- **Excellent tolerances**  
MONTIMOLD® O-Rings are produced according to (ISO3601-1). This is 3-5 times more accurate than the standard tolerances used for extruded cord (ISO 3302-1 (E2))
- **No maximum size limit**  
There is no maximum size limit for MONTIMOLD® O-rings.
- **Strong joint**  
MONTIMOLD® O-rings are continuous molded out of segments. This method allows a much stronger and more accurate bond than a glued or vulcanized rubber cord.
- **Suitable for high vacuum applications**  
The joint location is completely molded which means there is no mismatch or narrow spot on the joint location. This makes them suitable for use in high vacuum applications. (Dedicated vacuum FKM compounds and surface treatment are available)



Glued



Vulcanized



MONTIMOLD®

## COMPARISON CHART

	Tolerances	Size I.D. <i>min.</i>	(inner diameter) <i>max.</i>	Reliability of joint	Standard production time	Price level at low volume (>100pcs)
<b>MONTIMOLD® O-RINGS</b>	★★★★★ ISO3601-1N	200 mm	No max.	★★★★★☆	★★★★★ 4 weeks	★★★★☆
<b>VULCANIZED CORD</b>	★★★☆☆ ISO3302-1 E2	200 mm	No max.	★★★☆☆	★★★★★ 4 weeks	★★★★☆
<b>MOLDED O-RINGS</b>	★★★★★ ISO3601-1N	1 mm	1250 mm	★★★★★	★★★☆☆ 8 weeks	★★★☆☆
<b>GLUED CORD</b>	★★★☆☆ ISO3302-1 E2	200 mm	No max.	★★★☆☆	★★★★★ 4 weeks	★★★★★

# MONTIMOLD®

## TOLERANCE COMPARISON TABLE

CORD CROSS SECTION	MONTIMOLD®	EXTRUDED CORD	EXTRUDED CORD
	ISO 3601-1	ISO 3302-1 (E1)	ISO 3302-1 (E2)
mm	mm	mm	mm
2,62	± 0,08	± 0,25	± 0,40
3,00	± 0,09	± 0,25	± 0,40
3,53 / 4,00	± 0,10	± 0,25	± 0,40
4,50	± 0,10	± 0,35	± 0,50
5,00 / 5,33	± 0,13	± 0,35	± 0,50
5,50 / 5,70 / 6,00 / 6,35	± 0,15	± 0,35	± 0,50
6,50 / 7,00 / 7,50	± 0,15	± 0,40	± 0,70
8,00 / 8,40	± 0,18	± 0,40	± 0,70
9,00 / 10,00	± 0,20	± 0,40	± 0,70
11,00	± 0,20	± 0,50	± 0,80
12,00	± 0,22	± 0,50	± 0,80
14,00	± 0,25	± 0,50	± 0,80
15,00	± 0,27	± 0,50	± 0,80

## MATERIALS

FKM\*, NBR, HNBR, VMQ, EPDM, CR, FFKM. Other materials available upon request.

\*Dedicated high vacuum FKM compounds with improved surface treatment available.

## 100% QUALITY GUARANTEE

Our 100% inspection of each MONTIMOLD® O-ring joint makes sure there are no pinholes, breaks or flash (excess material). This inspection process guarantees a consistent quality of all our MONTIMOLD® O-rings.

## EXPLORING OTHER OPTIONS

Though MONTIMOLD® O-rings are an excellent choice for static sealing applications, they are not recommended in dynamic applications, where the O-ring is subjected to the stress of moving parts.

MONTIMOLD® O-rings may not be the preferred economical choice for those who need very high quantities. In such a case, it could be more cost effective to create tooling and buy custom molded O-rings.

NewDealSeals also offers a wide range of alternate seals that can retrofit directly into standard O-ring glands. Please contact our sales department for advice.

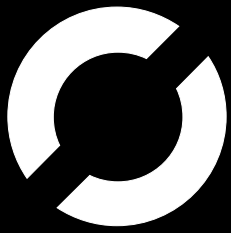
## INTERESTED?

Would you like to receive a sample or more information? Please send your enquiry to: [sales@newdealseals.com](mailto:sales@newdealseals.com) or scan the QR-code:



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