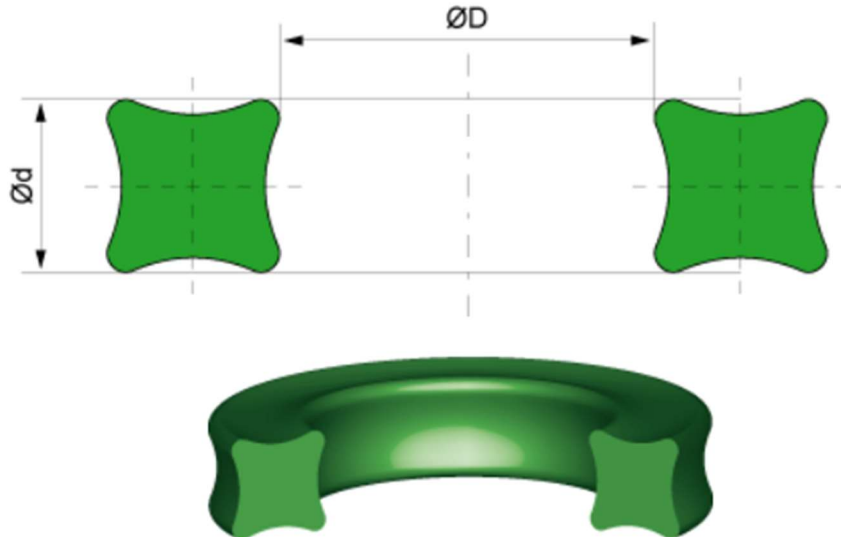




# uszczelnienia techniczne

## X-Ringi



## Opis:

Uszczelnienie typu x-ring jest pierścieniem dwustronnego działania. Dzięki symetrycznie wyokrąglonym narożnikom jest doszczelnieniem ciśnieniowym, powoduje optymalny rozkład naprężeń powierzchniowych oraz obwodowych.

## Materiał:

- NBR
- FPM

## Parametry pracy:

- Prędkość obwodowa:
  - ruch statyczny lub posuwisto-zwrotny  $\leq 0,5$  m/s
  - ruch obrotowy  $\leq 0,2$  m/s
- Temperatura:
  - NBR:  $-40^{\circ}\text{C} \div +100^{\circ}\text{C}$
  - FPM:  $-30^{\circ}\text{C} \div +200^{\circ}\text{C}$
- Ciśnienie:
  - ruch statyczny lub posuwisto-zwrotny  $\leq 40$  MPa
  - ruch obrotowy  $\leq 1$  MPa

Symbol	D [mm]	d [mm]	Materiał
X-1.78x1.78-FPM	1,78	1,78	FPM
X-1.78x1.78-NBR	1,78	1,78	NBR
X-2.57x1.78-NBR	2,57	1,78	NBR
X-2.84x2.62-NBR	2,84	2,62	NBR
X-2.9x1.78-FPM	2,9	1,78	FPM
X-3.63x2.62-NBR	3,63	2,62	NBR
X-3.68x1.78-FPM	3,68	1,78	FPM
X-3.68x1.78-NBR	3,68	1,78	NBR
X-4.42x2.62-NBR	4,42	2,62	NBR
X-4.48x1.78-FPM	4,48	1,78	FPM

Symbol	D [mm]	d [mm]	Material
X-4.48x1.78-NBR	4,48	1,78	NBR
X-5.28x1.78-NBR	5,28	1,78	NBR
X-6.07x1.78-FPM	6,07	1,78	FPM
X-6.07x1.78-NBR	6,07	1,78	NBR
X-7.60x2.62-NBR	7,6	2,62	NBR
X-7.66x1.78-FPM	7,66	1,78	FPM
X-7.66x1.78-NBR	7,66	1,78	NBR
X-8.20x1.78-FPM	8,2	1,78	FPM
X-9.19x2.62-NBR	9,19	2,62	NBR
X-9.25x1.78-FPM	9,25	1,78	FPM
X-9.25x1.78-NBR	9,25	1,78	NBR
X-9.80x2.62-NBR	9,8	2,62	NBR
X-10.69x3.53-FPM	10,69	3,53	FPM
X-10.77x2.62-FPM	10,77	2,62	FPM
X-10.78x2.62-NBR	10,78	2,62	NBR
X-10.82x1.78-NBR	10,82	1,78	NBR
X-12.7x5.33-NBR	12,7	5,33	NBR
X-12.29x3.53-NBR	12,29	3,53	NBR
X-12.37x2.62-FPM	12,37	2,62	FPM
X-12.37x2.62-NBR	12,37	2,62	NBR
X-12.42x1.78-FPM	12,42	1,78	FPM
X-12.42x1.78-NBR	12,42	1,78	NBR
X-13.64x5.33-NBR	13,64	5,33	NBR
X-13.87x3.53-NBR	13,87	3,53	NBR
X-13.95x2.62-FPM	13,95	2,62	FPM
X-13.95x2.62-NBR	13,95	2,62	NBR
X-14.x1.78-NBR	14	1,78	NBR
X-14.80x2.62-NBR	14,8	2,62	NBR
X-15.24x5.33-NBR	15,24	5,33	NBR
X-15.54x2.62-FPM	15,54	2,62	FPM
X-15.55x2.62-NBR	15,55	2,62	NBR
X-15.60x1.78-NBR	15,6	1,78	NBR
X-16.20x2.62-NBR	16,2	2,62	NBR
X-17.13x2.62-FPM	17,13	2,62	FPM
X-17.13x2.62-NBR	17,13	2,62	NBR
X-17.75x2.62-NBR	17,75	2,62	NBR
X-18.64x3.53-FPM	18,64	3,53	FPM
X-18.64x3.53-NBR	18,64	3,53	NBR
X-18.72x2.62-FPM	18,72	2,62	FPM
X-18.72x2.62-NBR	18,72	2,62	NBR
X-20.22x3.53-NBR	20,22	3,53	NBR
X-20.29x2.62-NBR	20,29	2,62	NBR
X-20.35x1.78-NBR	20,35	1,78	NBR
X-21.82x3.53-NBR	21,82	3,53	NBR
X-21.89x2.62-FPM	21,89	2,62	FPM
X-21.95x1.78-NBR	21,95	1,78	NBR
X-23.39x3.53-NBR	23,39	3,53	NBR
X-23.40x3.53-FPM	23,4	3,53	FPM
X-23.47x2.62-NBR	23,47	2,62	NBR
X-23.53x1.78-NBR	23,53	1,78	NBR
X-24.99x3.53-FPM	24,99	3,53	FPM
X-24.99x3.53-NBR	24,99	3,53	NBR
X-25.7x2.62-FPM	25,7	2,62	FPM

Symbol	D [mm]	d [mm]	Materiał
X-25.7x2.62-NBR	25,7	2,62	NBR
X-26.58x3.53-NBR	26,58	3,53	NBR
X-26.64x2.62-NBR	26,64	2,62	NBR
X-26.70x1.78-NBR	26,7	1,78	NBR
X-28.17x3.53-FPM	28,17	3,53	FPM
X-28.17x3.53-NBR	28,17	3,53	NBR
X-28.25x2.62-NBR	28,25	2,62	NBR
X-28.30x1.78-FPM	28,3	1,78	FPM
X-28.30x1.78-NBR	28,3	1,78	NBR
X-29.51x5.33-FPM	29,51	5,33	FPM
X-29.74x3.53-FPM	29,74	3,53	FPM
X-29.75x3.53-NBR	29,75	3,53	NBR
X-29.82x2.62-NBR	29,82	2,62	NBR
X-31.34x3.53-NBR	31,34	3,53	NBR
X-31.42x2.62-NBR	31,42	2,62	NBR
X-31.47x1.78-FPM	31,47	1,78	FPM
X-31.47x1.78-NBR	31,47	1,78	NBR
X-32.92x3.53-FPM	32,92	3,53	FPM
X-32.92x3.53-NBR	32,92	3,53	NBR
X-34.29x5.33-NBR	34,29	5,33	NBR
X-34.52x3.53-FPM	34,52	3,53	FPM
X-34.52x3.53-NBR	34,52	3,53	NBR
X-34.59x2.62-NBR	34,59	2,62	NBR
X-34.65x1.78-FPM	34,65	1,78	FPM
X-34.65x1.78-NBR	34,65	1,78	NBR
X-36.9x3.53-FPM	36,9	3,53	FPM
X-36.10x3.53-NBR	36,1	3,53	NBR
X-36.17x2.62-NBR	36,17	2,62	NBR
X-37.47x5.33-FPM	37,47	5,33	FPM
X-37.47x5.33-NBR	37,47	5,33	NBR
X-37.69x3.53-FPM	37,69	3,53	FPM
X-37.69x3.53-NBR	37,69	3,53	NBR
X-37.77x2.62-FPM	37,77	2,62	FPM
X-37.82x1.78-NBR	37,82	1,78	NBR
X-39.20x5.33-NBR	39,2	5,33	NBR
X-39.34x2.62-FPM	39,34	2,62	FPM
X-39.34x2.62-NBR	39,34	2,62	NBR
X-39.64x5.33-NBR	39,64	5,33	NBR
X-40.64x5.33-FPM	40,64	5,33	FPM
X-40.64x5.33-NBR	40,64	5,33	NBR
X-40.87x3.53-FPM	40,87	3,53	FPM
X-40.87x3.53-NBR	40,87	3,53	NBR
X-42.52x2.62-NBR	42,52	2,62	NBR
X-44.4x3.53-FPM	44,4	3,53	FPM
X-44.4x3.53-NBR	44,4	3,53	NBR
X-44.12x2.62-NBR	44,12	2,62	NBR
X-44.17x1.78-NBR	44,17	1,78	NBR
X-45.69x2.62-NBR	45,69	2,62	NBR
X-47.x5.33-NBR	47	5,33	NBR
X-47.22x3.53-NBR	47,22	3,53	NBR
X-47.80x5.33-NBR	47,8	5,33	NBR
X-50.16x5.33-FPM	50,16	5,33	FPM
X-50.16x5.33-NBR	50,16	5,33	NBR

Symbol	D [mm]	d [mm]	Material
X-50.40x3.53-FPM	50,4	3,53	FPM
X-50.40x3.53-NBR	50,4	3,53	NBR
X-52.x5.33-NBR	52	5,33	NBR
X-53.34x5.33-FPM	53,34	5,33	FPM
X-53.34x5.33-NBR	53,34	5,33	NBR
X-53.57x3.53-NBR	53,57	3,53	NBR
X-54.52x5.33-NBR	54,52	5,33	NBR
X-56.52x5.33-NBR	56,52	5,33	NBR
X-56.74x3.53-NBR	56,74	3,53	NBR
X-56.82x2.62-NBR	56,82	2,62	NBR
X-57.52x5.33-NBR	57,52	5,33	NBR
X-58.42x2.62-FPM	58,42	2,62	FPM
X-58.42x2.62-NBR	58,42	2,62	NBR
X-59.70x5.33-FPM	59,7	5,33	FPM
X-59.70x5.33-NBR	59,7	5,33	NBR
X-63.9x3.53-NBR	63,9	3,53	NBR
X-63.17x2.62-NBR	63,17	2,62	NBR
X-63.22x1.78-NBR	63,22	1,78	NBR
X-64.77x2.62-NBR	64,77	2,62	NBR
X-66.4x5.33-FPM	66,4	5,33	FPM
X-66.4x5.33-NBR	66,4	5,33	NBR
X-67.95x2.62-NBR	67,95	2,62	NBR
X-69.22x5.33-NBR	69,22	5,33	NBR
X-69.44x3.53-NBR	69,44	3,53	NBR
X-72.40x5.33-FPM	72,4	5,33	FPM
X-72.40x5.33-NBR	72,4	5,33	NBR
X-72.69x2.62-NBR	72,69	2,62	NBR
X-75.57x5.33-NBR	75,57	5,33	NBR
X-75.87x2.62-FPM	75,87	2,62	FPM
X-75.87x2.62-NBR	75,87	2,62	NBR
X-75.92x1.78-NBR	75,92	1,78	NBR
X-78.74x5.33-FPM	78,74	5,33	FPM
X-78.74x5.33-NBR	78,74	5,33	NBR
X-78.97x3.53-NBR	78,97	3,53	NBR
X-81.92x5.33-NBR	81,92	5,33	NBR
X-82.14x3.53-NBR	82,14	3,53	NBR
X-83.39x5.33-NBR	83,39	5,33	NBR
X-85.9x5.33-NBR	85,9	5,33	NBR
X-85.32x3.53-NBR	85,32	3,53	NBR
X-88.27x5.33-FPM	88,27	5,33	FPM
X-88.27x5.33-NBR	88,27	5,33	NBR
X-88.50x3.53-NBR	88,5	3,53	NBR
X-88.57x2.62-FPM	88,57	2,62	FPM
X-88.57x2.62-NBR	88,57	2,62	NBR
X-89.27x5.33-NBR	89,27	5,33	NBR
X-91.44x5.33-NBR	91,44	5,33	NBR
X-91.67x3.53-NBR	91,67	3,53	NBR
X-94.62x5.33-NBR	94,62	5,33	NBR
X-94.97x1.78-FPM	94,97	1,78	FPM
X-98.2x3.53-NBR	98,2	3,53	NBR
X-1.97x5.33-NBR	1,97	5,33	NBR
X-11.27x2.62-FPM	11,27	2,62	FPM
X-104.14x5.33-FPM	104,14	5,33	FPM

Symbol	D [mm]	d [mm]	Materiał
X-104.14x5.33-NBR	104,14	5,33	NBR
X-104.37x3.53-NBR	104,37	3,53	NBR
X-107.32x5.33-FPM	107,32	5,33	FPM
X-107.32x5.33-NBR	107,32	5,33	NBR
X-107.54x3.53-NBR	107,54	3,53	NBR
X-110.49x5.33-NBR	110,49	5,33	NBR
X-110.72x3.53-NBR	110,72	3,53	NBR
X-113.67x5.33-FPM	113,67	5,33	FPM
X-113.67x5.33-NBR	113,67	5,33	NBR
X-113.90x3.53-NBR	113,9	3,53	NBR
X-113.98x2.62-NBR	113,98	2,62	NBR
X-116.84x5.33-NBR	116,84	5,33	NBR
X-116.84x6.99-NBR	116,84	6,99	NBR
X-117.07x3.53-NBR	117,07	3,53	NBR
X-120.2x6.99-NBR	120,2	6,99	NBR
X-123.20x6.99-NBR	123,2	6,99	NBR
X-126.37x5.33-FPM	126,37	5,33	FPM
X-126.37x6.99-NBR	126,37	6,99	NBR
X-129.50x5.33-NBR	129,5	5,33	NBR
X-129.54x6.99-NBR	129,54	6,99	NBR
X-135.89x6.99-NBR	135,89	6,99	NBR
X-139.07x5.33-NBR	139,07	5,33	NBR
X-139.07x6.99-NBR	139,07	6,99	NBR
X-139.37x3.53-NBR	139,37	3,53	NBR
X-139.38x2.62-NBR	139,38	2,62	NBR
X-142.47x3.53-NBR	142,47	3,53	NBR
X-145.42x5.33-FPM	145,42	5,33	FPM
X-145.42x6.99-FPM	145,42	6,99	FPM
X-145.42x6.99-NBR	145,42	6,99	NBR
X-158.12x5.33-NBR	158,12	5,33	NBR
X-158.12x6.99-NBR	158,12	6,99	NBR
X-177.17x5.33-NBR	177,17	5,33	NBR
X-177.17x6.99-NBR	177,17	6,99	NBR
X-183.52x6.99-FPM	183,52	6,99	FPM
X-183.52x6.99-NBR	183,52	6,99	NBR
X-189.87x6.99-NBR	189,87	6,99	NBR
X-22.57x6.99-NBR	22,57	6,99	NBR
X-215.27x6.99-NBR	215,27	6,99	NBR
X-240.67x6.99-NBR	240,67	6,99	NBR
X-247.33x2.62-NBR	247,33	2,62	NBR