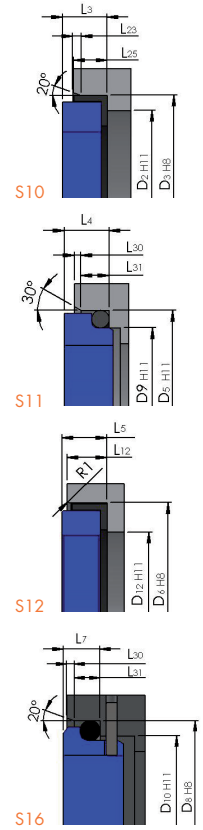


Anelli stazionari opzionali
Optional stationary rings



Descrizione prodotto

Tenuta meccanica singola, bilanciata, indipendente dal senso di rotazione con configurazione multimolla. E' la tenuta meccanica con il più ridotto ingombro assiale. Grazie alla possibilità di essere configurata con tutti gli anelli stazionari risulta intercambiabile con tutte le più conosciute tenute meccanica oggi presenti sul mercato. Grazie a questo vanto è stata definita dagli operatori del settore come "tenuta universale". Realizzata a norme UNI EN 12756 (ex DIN 24960) viene realizzata in tutti i materiali compresi quelli plastici come PEEK e DIFLON. Per mezzo del design realizzativo resiste sino a 64 bar di pressione.

Description

Single mechanical seal, balanced, independent of the direction of rotation with multi-spring configuration. The MTM180 Series represents the mechanical seal with the most reduced axial dimensions. Thanks to the possibility to be configured with all the stationary rings, it is interchangeable with all the most famous mechanical seal on the market today. Source of proud, it has been defined by the industry as "Universal Seal". Made according to UNI EN 12756 (ex DIN 24960) it is available in different materials including plastics such as PEEK and DIFLON. Thanks to its design the seal is able to resist up to 64 bar of pression.

Materiale facce di contatto standard / Face materials

Carburo di silicio / Silicon carbide
Carburo di tungsteno / Tungsten carbide
Grafite antimonio / Carbon graphite antimony
Grafite resina / Carbon graphite resin
Peek
Diflon

Materiale parti elastometriche / Elastomers

FKM / Viton FEP
EPDM / Ethylene propylene ANELLO MLP PTFE / Memory Lip PTFE
NBR / Nitrile PTFE / Wrapped PTFE
SILICONE / Silicon
FFKM / Kalrez
FFKM / Chemraz

Limiti d'impiego / Operating limits

d = 12mm...to 200mm (0.47" to 7.87")
P1 = 64 bar (up to 928 PSI)
t = - 40 +220 °C (- 40 °F to + 428 °F)
v = 32 m / s (up to 104 ft / s)
Movimento Assiale / Axial Movement: + / - 1mm
Vuoto = 0.5 bar (vacuum up to 7.25 PSI)

Comp. # Comp.

1 Rotary Case	6 Stationary Ring
2 Grub Screw	7 O-Ring
3 Spring	8 O-Ring
4 Rotary Ring	9 O-Ring
5 Screw	10 Pin

Applicazioni / Recommended applications

Acque bianche e acque grigie / Water and sewage water pumps
Industria di processo / Process industry
Industria chimica / Chemical industry
Industria petrolifera / Refinery industry
Industria farmaceutica / Pharmaceutical industry
Industria energetica / Power plant industry
Pompe centrifughe / Centrifugal pumps
Pompe Marine / Marine pumps
Pompe Olio combustibile / Fuel oil pumps
Pompe di lubrificazione / Lube oil pumps
Pompe a viti / Screw pumps
Pompe a ingranaggi / Gear pumps
Compressori lubrificati / Lube compressors
Basso contenuto di solidi / Low solids content
Elevata viscosità / High viscosity
Temperature elevate / Hot applications
Macchine rotanti speciali / Special rotating equipment

La configurazione del disegno è MTM180+S9
The drawing configuration is MTM180+S9

Dimensioni / Dimensions (mm)

d h6	D1	D2 H11	D3 H8	D5 H8	D6 H8	D8 H8	D9 H11	D10 H11	D12 H11	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L16	L23	L24	L25	L30	L31
12	29	-	23	21,6	27,8	-	-	-	13,5	6,6	-	9	-	-	25,0	15,0	25,9	33,4	7,5	8,5	-	13,0	-	-	-
14	30	21	25	24,6	30,9	25	20,5	-	17	6,6	5,6	10,5	10	-	25,0	17,0	28,4	33,4	9	8,5	1,5	13,0	4	1,2	3,8
15	32	-	-	24,6	30,9	-	-	-	17	-	-	-	-	-	25,0	17,0	28,4	33,4	9	8,5	-	13,0	-	-	-
16	32	23	27	28	30,9	27	22	-	17	6,6	7,5	10,5	10	-	25,0	17,0	28,4	33,4	9	9,0	1,5	13,0	4	1,2	3,8
18	38	27	33	30	34,1	33	24	27	20	7,5	8	10,5	11,5	7,0	26,0	19,5	30,0	37,5	9	9,0	2,0	13,0	5	1,5	5
20	40	29	35	35	35,7	35	29,5	29	21,5	7,5	7,5	10,5	11,5	7,0	26,0	21,5	30,0	37,5	9	9,0	2,0	13,0	5	1,5	5
22	42	31	37	35	37,3	37	29,5	31	23	7,5	7,5	10,5	11,5	7,0	26,0	21,5	30,0	37,5	9	9,0	2,0	13,0	5	1,5	5
24	44	33	39	38	40,5	39	32	33	26,5	7,5	7,5	10,5	11,5	7,0	28,5	22,5	32,5	42,5	9	9,0	2,0	14,0	5	1,5	5
25	45	34	40	38	40,5	40	32	34	26,5	7,5	7,5	10,5	11,5	7,0	28,5	23,0	32,5	42,5	9	9,0	2,0	14,0	5	1,5	5
28	48	37	43	42	47,6	43	36	37	29,5	7,5	9	12	11,5	7,0	31,0	26,5	35,0	42,5	10,5	9,0	2,0	15,0	5	1,5	5
30	50	39	45	45	50,8	45	39,2	39	32,5	7,5	10,5	12	11,5	7,0	31,0	26,5	35,0	42,5	10,5	9,0	2,0	15,0	5	1,5	5
32	52	42	48	48	50,8	48	42,2	42	32,5	7,5	10,5	12	11,5	7,0	31,0	27,5	35,0	47,5	10,5	9,0	2,0	15,0	5	1,5	5
33	53	42	48	50	54	48	44,2	42	36,5	7,5	10,5	12	11,5	7,0	31,0	27,5	35,0	47,5	10,5	9,0	2,0	15,0	5	1,5	5
35	55	44	50	52	54	50	46,2	44	36,5	7,5	11	12	11,5	7,0	31,0	28,5	35,0	47,5	10,5	9,0	2,0	16,0	5	1,5	5
38	60	49	56	55	57,1	56	49,2	49	39,5	9	10,3	12	14	8,0	31,0	30,0	36,0	46,0	10,5	9,0	2,0	18,0	6	1,5	5
40	62	51	58	58	60,3	58	52,2	51	42,5	9	10,8	12	14	8,0	31,0	30,0	36,0	46,0	10,5	9,0	2,0	18,0	6	1,5	5
43	65	54	61	62	63,5	61	53,3	54	46	9	12	12	14	8,0	31,0	30,0	36,0	51,0	10,5	9,0	2,0	20,0	6	2,0	6
45	67	56	63	64	63,5	63	55,3	56	46	9	11,6	12	14	8,0	31,0	30,0	36,0	51,0	10,5	9,0	2,0	20,0	6	2,0	6
48	70	59	66	68,4	66,7	66	59,7	59	46	9	11,6	12	14	8,0	31,0	30,5	36,0	51,0	10,5	9,0	2,0	23,0	6	2,0	6
50	72	62	70	69,3	69,8	70	60,8	62	49	9,5	11,6	13,5	15	9,5	32,5	30,5	38,0	50,5	12	9,0	2,5	23,0	6	2,0	6
53	75	65	73	72,3	70	73	63,8	65	52	11	12,3	13,5	15	9,5	32,5	33,0	36,5	59,0	12	9,0	2,5	23,0	6	2,0	6
55	77	67	75	75,4	76,2	75	66,5	67	55,5	11	13,3	13,5	15	9,5	32,5	35,0	36,8	59,0	12	9,0	2,5	23,0	6	2,0	6
58	84	70	78	78,4	79,4	78	69,5	70	58,5	11	13,3	13,5	15	10,5	37,5	37,0	41,5	59,0	12	9,0	2,5	30,0	6	2,0	6
60	86	72	80	80,4	79,4	80	71,5	72	61,5	11	13,3	13,5	15	10,5	37,5	38,0	41,5	59,0	12	9,0	2,5	30,0	6	2,0	6
63	89	75	83	83,4	-	83	74,5	75	61,5	11	13,3	-	15	10,5	37,5	40,0	41,5	-	14,5	9,0	2,5	30,0	6	2,0	6
65	91	77	85	85,4	92,1	85	76,5	77	68	11	13	16	15	10,5	37,5	40,0	41,5	69,0	14,5	9,0	2,5	30,0	6	2,0	6
68	94	81	90	91,5	95,2	90	82,7	81	71	11,3	13,7	16	18	11,0	42,0	40,0	41,2	68,7	14,5	9,0	2,5	32,0	7	2,0	6
70	96	83	92	92	95,2	92	83	83	71	11,3	13	16	18	11,5	42,0	40,0	48,7	68,7	14,5	9,0	2,5	32,0	7	2,0	6
75	104	88	97	99	101,6	97	90,2	88	77,5	11,3	14	16	18	11,5	42,0	40,0	48,7	68,7	14,5	9,0	2,5	32,0	7	2,0	6
80	109	95	105	104	114,3	105	95,2	95	84	12	15	20	18,2	11,5	41,8	40,0	48,0	78,0	18,5	9,0	3,0	32,0	7	2,0	6
85	114	100	110	109	117,5	110	100,2	100	87	14	14,8	20	18,2	11,5	41,8	41,0	46,0	76,0	18,5	9,0	3,0	32,0	7	2,0	6
90	119	105	115	114	123,8	115	105,2	105	93,5	14	14,8	20	18,2	13,0	46,8	45,0	51,0	76,0	18,5	9,0	3,0	32,0	7	2,0	6
95	124	110	120	120,3	127	120	111,6	110	96,5	14	15,8	20	17,2	13,0	47,8	46,0	51,0	76,0	18,5	9,0	3,0	32,0	7	2,0	6
100	129	115	125	123,3	133,3	125	114,5	115	103	14	15,8	20	17,2	13,0	47,8	47,0	51,0	76,0	18,5	9,0	3,0	32,0	7	2,0	6

Le dimensioni potrebbero essere soggette a modifiche o varianti da parte di Microtem.
Dimensions could be subject to change from Microtem.

