

JOINTS PLATS ■ FLAT GASKETS ■ FLACHDICHTUNGEN  
 JUNTAS PLANAS ■ GUARNIZIONI PIATTE

01 - 2

JOINTS RONDS ■ ROUND GASKETS ■ RUNDDICHTUNGEN  
 JUNTAS REDONDAS ■ GUARNIZIONI TONDE

01 - 4

JOINTS MINI O-RING ■ MINI O-RING GASKETS ■ MINI O-RING DICHTUNGEN  
 JUNTAS MINI O-RING ■ GUARNIZIONI MINI O-RING

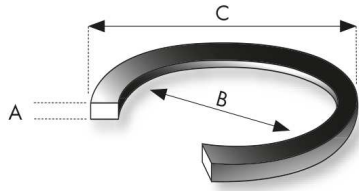
01 - 8

JOINTS DIVERS ■ MISCELLANEOUS GASKETS ■ UNTERSCHIEDLICHE DICHTUNGEN  
 JUNTAS DIVERSAS ■ GUARNIZIONI DIVERSE

01 - 9

JOINTS ROUGES ■ RED GASKETS ■ ROTE DICHTUNGEN  
 JUNTAS ROJAS ■ GUARNIZIONI ROSSE

01 - 10



Joint plat ; sachet de 2 pièces.  
 Flat gasket ; bag of 2 pieces.  
 Flachdichtung ; Beutel von 2 Stück.

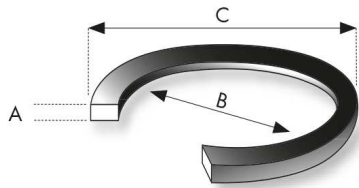
Junta plana ; bolsita de 2 piezas.  
 Guarnizione piatta ; bustina da 2 pezzi.

**2 pièces / pieces / Stück / piezas / pezzi**

MSA	A mm	B Ø mm	C Ø mm
43.050-101	0.50	15.40	16.80
43.050-102	0.50	15.70	16.90
43.050-103	0.60	16.00	17.20
43.050-104	0.50	17.00	18.20
43.050-105	0.50	17.80	18.70
43.050-106	0.50	17.80	19.50
43.050-107	0.50	18.20	19.70
43.050-108	0.50	19.20	20.30
43.050-109	0.50	19.50	20.60
43.050-110	0.50	19.80	20.80
43.050-111	0.50	19.80	21.30
43.050-112	0.50	20.00	21.60
43.050-113	0.50	20.70	21.90
43.050-114	0.50	21.00	22.20
43.050-115	0.50	21.00	22.50
43.050-116	0.50	21.90	23.50
43.050-118	0.50	22.00	24.00
43.050-120	0.50	22.10	24.90
43.050-117	0.50	22.30	23.70
43.050-119	0.50	22.80	24.50

MSA	A mm	B Ø mm	C Ø mm
43.050-121	0.50	23.40	25.20
43.050-122	0.50	24.00	25.20
43.050-123	0.50	24.00	25.50
43.050-124	0.50	25.10	26.50
43.050-125	0.50	26.00	27.40
43.050-126	0.50	26.10	27.70
43.050-127	0.50	26.50	28.20
43.050-128	0.50	26.50	28.50
43.050-129	0.50	26.90	28.60
43.050-130	0.50	27.25	28.75
43.050-131	0.50	27.60	29.00
43.050-133	0.50	27.80	30.00
43.050-132	0.50	28.00	29.50
43.050-135	0.50	28.50	30.40
43.050-134	0.50	28.80	30.20
43.050-136	0.50	29.00	30.50
43.050-138	0.50	29.30	31.30
43.050-137	0.50	29.50	31.00
43.050-139	0.50	30.00	31.50
43.050-140	0.50	30.00	32.00

MSA	A mm	B Ø mm	C Ø mm
43.050-142	0.50	30.00	32.50
43.050-148	0.50	30.00	33.70
43.050-141	0.50	30.50	32.30
43.050-143	0.50	31.00	33.00
43.050-145	0.50	31.40	33.20
43.050-146	0.50	31.50	33.30
43.050-149	0.50	31.50	33.80
43.050-144	0.50	31.60	33.00
43.050-153	0.50	31.80	34.20
43.050-150	0.50	32.00	33.80
43.050-156	0.50	32.00	35.00
43.050-151	0.50	32.20	34.00
43.050-152	0.50	32.40	34.00
43.050-155	0.50	32.50	34.30
43.050-154	0.50	32.80	34.20
43.050-157	0.50	33.20	35.20
43.050-158	0.50	33.50	35.50
43.050-159	0.50	34.10	35.80
43.050-160	0.50	35.00	37.00



Joint plat ; sachet de 100 pièces.  
 Flat gasket ; bag of 100 pieces.  
 Flachdichtung ; Beutel von 100 Stück.

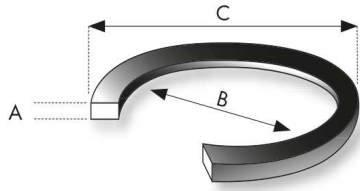
Junta plana ; bolsita de 100 piezas.  
 Guarnizione piatta ; bustina da 100 pezzi.

**100 pièces / pieces / Stück / piezas / pezzi**

MSA	A mm	B Ø mm	C Ø mm
43.002-101	0.50	15.40	16.80
43.002-102	0.50	15.70	16.90
43.002-103	0.60	16.00	17.20
43.002-104	0.50	17.00	18.20
43.002-105	0.50	17.80	18.70
43.002-106	0.50	17.80	19.50
43.002-107	0.50	18.20	19.70
43.002-108	0.50	19.20	20.30
43.002-109	0.50	19.50	20.60
43.002-110	0.50	19.80	20.80
43.002-111	0.50	19.80	21.30
43.002-112	0.50	20.00	21.60
43.002-113	0.50	20.70	21.90
43.002-114	0.50	21.00	22.20
43.002-116	0.50	21.90	23.50
43.002-118	0.50	22.00	24.00
43.002-120	0.50	22.10	24.90
43.002-117	0.50	22.30	23.70
43.002-119	0.50	22.80	24.50
43.002-121	0.50	23.40	25.20

MSA	A mm	B Ø mm	C Ø mm
43.002-122	0.50	24.00	25.20
43.002-123	0.50	24.00	25.50
43.002-124	0.50	25.10	26.50
43.002-125	0.50	26.00	27.40
43.002-126	0.50	26.10	27.70
43.002-127	0.50	26.50	28.20
43.002-128	0.50	26.50	28.50
43.002-129	0.50	26.90	28.60
43.002-130	0.50	27.25	28.75
43.002-131	0.50	27.60	29.00
43.002-133	0.50	27.80	30.00
43.002-132	0.50	28.00	29.50
43.002-135	0.50	28.50	30.40
43.002-134	0.50	28.80	30.20
43.002-136	0.50	29.00	30.50
43.002-161	0.50	29.00	30.70
43.002-138	0.50	29.30	31.30
43.002-137	0.50	29.50	31.00
43.002-139	0.50	30.00	31.50
43.002-140	0.50	30.00	32.00

MSA	A mm	B Ø mm	C Ø mm
43.002-142	0.50	30.00	32.50
43.002-147	0.50	30.00	33.50
43.002-148	0.50	30.00	33.70
43.002-141	0.50	30.50	32.30
43.002-143	0.50	31.00	33.00
43.002-145	0.50	31.40	33.20
43.002-146	0.50	31.50	33.30
43.002-149	0.50	31.50	33.80
43.002-144	0.50	31.60	33.00
43.002-153	0.50	31.80	34.20
43.002-150	0.50	32.00	33.80
43.002-156	0.50	32.00	35.00
43.002-151	0.50	32.20	34.00
43.002-152	0.50	32.40	34.00
43.002-155	0.50	32.50	34.30
43.002-154	0.50	32.80	34.20
43.002-157	0.50	33.20	35.20
43.002-158	0.50	33.50	35.50
43.002-159	0.50	34.10	35.80
43.002-160	0.50	35.00	37.00



2 pièces / pieces / Stück / piezas / pezzi

MSA	N° / No.	A mm	B Ø mm	C Ø mm
43.050-2920	FH-2920-B01	0.50	29.00	30.70
43.050-2980	FH-2980-B01	0.50	29.70	31.50

Joint plat type Seiko ; sachet de 2 pièces.  
Flat gasket Seiko type ; bag of 2 pieces.  
Flachdichtung Seiko Typ ; Beutel von 2 Stück.

Junta plana tipo Seiko ; bolsita de 2 piezas.  
Guarnizione piatta tipo Seiko ; bustina da 2 pezzi.



50 pièces / pieces / Stück / piezas / pezzi

MSA	Qté. / Qty.	Kg
43.030	50x	0.004

Assortiment de joints plats.  
Assortment of flat gaskets.  
Sortiment von Flachdichtungen.

Surtido de juntas planas.  
Assortimento di guarnizioni piate.



100 pièces / pieces / Stück / piezas / pezzi

MSA	Qté. / Qty.	Kg
43.031	100x	0.006

Assortiment de joints plats.  
Assortment of flat gaskets.  
Sortiment von Flachdichtungen.

Surtido de juntas planas.  
Assortimento di guarnizioni piate.



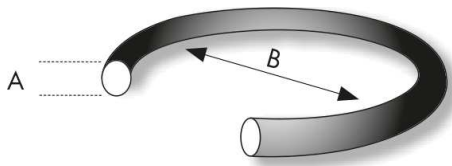
Contenu - Contents - Inhalt - Contenido - Contenuto : 59 modèles - models - Modelle - modelos - modelli  
2x MSA43.050-101 -102 -103 -104 -105 -106 -107 -108 -109 -110 -111 -112 -113 -114 -115 -116 -117 -118 -119 -120  
-121 -122 -123 -124 -125 -126 -127 -128 -129 -130 -131 -132 -133 -134 -135 -136 -137 -138 -139 -140 -141 -142  
-143 -144 -145 -146 -148 -149 -150 -151 -152 -153 -154 -155 -156 -157 -158 -159 -160

MSA	Qté. / Qty.	Kg
43.521	236x	0.252

Assortiment de joints plats ; boîte en bois avec 118 sachets.  
Assortment of flat gaskets ; wooden box with 118 bags.  
Sortiment von Flachdichtungen ; Holzkasten mit 118 Beutel.

Surtido de juntas planas ; caja de madera con 118 bolsitas.  
Assortimento di guarnizioni piate ; scatola di legno con 118 bustine.

2 joints/sachet / 2 gaskets/bag / 2 Dichtungen/Beutel  
2 juntas/bolsita / 2 guarnizioni/bustina

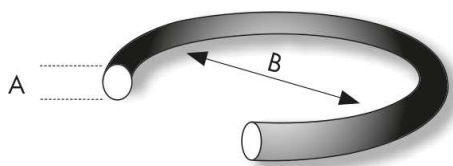


Joint rond ; sachet de 2 pièces.  
 Round gasket ; bag of 2 pieces.  
 Rundsichtung ; Beutel von 2 Stück.

Junta redonda ; bolsita de 2 piezas.  
 Guarnizione tonda ; bustina da 2 pezzi.

2 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm
43.041-446	0.30	30.30	43.041-454	0.50	32.40	43.040-049	0.80	32.15
43.041-404	0.35	16.50	43.041-455	0.50	33.00	43.040-051	0.80	32.40
43.041-410	0.35	18.00	43.040-001	0.60	15.90	43.040-078	0.80	33.00
43.041-417	0.35	20.50	43.040-002	0.60	16.50	43.040-079	0.80	33.50
43.041-433	0.35	26.50	43.040-003	0.60	17.00	43.040-080	0.80	34.00
43.041-401	0.40	15.00	43.040-006	0.60	18.30	43.040-081	0.80	34.50
43.041-402	0.40	15.50	43.040-008	0.60	19.40	43.041-458	0.80	35.00
43.041-403	0.40	15.80	43.040-011	0.60	20.00	43.040-082	0.80	35.50
43.041-406	0.40	17.00	43.041-423	0.60	22.10	43.040-083	0.80	36.00
43.041-409	0.40	17.70	43.040-063	0.60	24.00	43.040-084	0.80	36.50
43.041-412	0.40	19.20	43.040-020	0.60	26.40	43.040-085	0.80	37.00
43.041-413	0.40	19.60	43.040-068	0.60	27.00	43.040-086	0.80	37.50
43.041-414	0.40	20.00	43.041-436	0.60	27.50	43.040-087	0.80	38.00
43.041-416	0.40	20.40	43.040-024	0.60	27.70	43.040-088	0.80	38.50
43.041-418	0.40	21.00	43.040-067	0.60	28.00	43.040-089	0.80	39.50
43.041-421	0.40	21.80	43.040-065	0.60	28.50	43.040-090	0.80	41.50
43.041-424	0.40	23.00	43.040-029	0.60	28.90	43.040-091	0.80	43.00
43.041-463	0.40	23.50	43.040-035	0.60	30.00	43.040-092	0.80	44.00
43.041-461	0.40	24.00	43.041-447	0.60	30.50	43.040-093	0.80	45.00
43.041-462	0.40	26.00	43.041-450	0.60	31.20	43.040-023	0.85	26.90
43.041-438	0.40	28.00	43.041-456	0.60	33.50	43.040-041	0.85	30.80
43.041-441	0.40	28.90	43.041-457	0.60	34.00	43.040-012	0.90	20.60
43.041-451	0.40	31.50	43.041-459	0.60	36.00	43.040-040	0.90	30.70
43.041-407	0.45	17.30	43.041-460	0.60	38.30	43.040-055	0.90	32.20
43.041-405	0.50	16.50	43.040-069	0.60	38.70	43.040-057	0.90	33.90
43.040-004	0.50	17.60	43.040-070	0.60	39.00	43.040-016	1.00	22.00
43.040-005	0.50	18.00	43.040-071	0.60	39.50	43.040-018	1.00	23.00
43.041-411	0.50	18.50	43.040-072	0.60	40.50	43.040-022	1.00	26.25
43.040-007	0.50	19.20	43.040-073	0.60	41.00	43.040-026	1.00	27.50
43.040-009	0.50	19.80	43.040-074	0.60	42.50	43.040-028	1.00	28.00
43.041-415	0.50	20.00	43.040-075	0.60	43.00	43.040-030	1.00	28.25
43.041-419	0.50	21.00	43.040-076	0.60	45.80	43.040-032	1.00	28.40
43.041-420	0.50	21.50	43.040-077	0.60	47.50	43.040-034	1.00	29.00
43.041-422	0.50	22.00	43.040-100	0.65	26.00	43.040-036	1.00	29.30
43.041-425	0.50	23.00	43.040-014	0.70	22.10	43.040-038	1.00	29.75
43.041-427	0.50	24.00	43.040-025	0.70	27.60	43.040-061	1.00	30.00
43.041-428	0.50	24.60	43.040-046	0.70	31.80	43.040-043	1.00	30.75
43.041-429	0.50	25.00	43.040-033	0.75	29.30	43.040-044	1.00	31.00
43.041-431	0.50	25.70	43.040-050	0.75	32.50	43.040-066	1.00	31.50
43.041-432	0.50	26.00	43.040-010	0.80	19.40	43.040-052	1.00	32.00
43.041-434	0.50	26.80	43.040-013	0.80	21.00	43.040-101	1.00	32.40
43.041-435	0.50	27.20	43.040-015	0.80	22.10	43.040-053	1.00	32.50
43.041-437	0.50	27.60	43.040-017	0.80	22.90	43.040-062	1.00	33.00
43.041-439	0.50	28.30	43.040-019	0.80	25.20	43.040-058	1.00	33.75
43.041-440	0.50	28.50	43.040-064	0.80	26.00	43.040-060	1.00	35.30
43.041-442	0.50	29.00	43.040-027	0.80	28.00	43.040-094	1.00	36.00
43.041-443	0.50	29.30	43.040-031	0.80	28.70	43.040-095	1.00	39.00
43.041-444	0.50	29.60	43.040-037	0.80	30.00	43.040-096	1.00	41.50
43.041-445	0.50	29.80	43.040-039	0.80	30.50	43.040-097	1.00	43.00
43.041-449	0.50	31.00	43.040-042	0.80	31.00	43.040-098	1.00	46.00
43.041-464	0.50	31.50	43.040-045	0.80	31.50	43.040-099	1.00	50.00
43.041-452	0.50	31.80	43.040-047	0.80	31.80	43.040-059	1.50	34.00
43.041-453	0.50	32.00	43.040-048	0.80	32.00	43.040-056	1.80	31.60



Joint rond ; sachet de 100 pièces.  
Round gasket ; bag of 100 pieces.  
Runddichtung ; Beutel von 100 Stück.

Junta redonda ; bolsita de 100 piezas.  
Guarnizione tonda ; bustina da 100 pezzi.

100 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm
43.001-446	0.30	30.00	43.001-453	0.50	32.00	43.001-048	0.80	32.00
43.001-404	0.35	16.50	43.001-454	0.50	32.40	43.001-049	0.80	32.15
43.001-408	0.35	17.50	43.001-455	0.50	33.00	43.001-051	0.80	32.40
43.001-410	0.35	18.00	43.001-001	0.60	15.90	43.001-078	0.80	33.00
43.001-417	0.35	20.50	43.001-002	0.60	16.50	43.001-079	0.80	33.50
43.001-433	0.35	26.50	43.001-003	0.60	17.00	43.001-080	0.80	34.00
43.001-401	0.40	15.00	43.001-006	0.60	18.30	43.001-081	0.80	34.50
43.001-402	0.40	15.50	43.001-008	0.60	19.40	43.001-458	0.80	35.00
43.001-403	0.40	15.80	43.001-011	0.60	20.00	43.001-082	0.80	35.50
43.001-406	0.40	17.00	43.001-423	0.60	22.10	43.001-083	0.80	36.00
43.001-409	0.40	17.70	43.001-063	0.60	24.00	43.001-084	0.80	36.50
43.001-412	0.40	19.20	43.001-020	0.60	26.40	43.001-085	0.80	37.00
43.001-413	0.40	19.60	43.001-068	0.60	27.00	43.001-086	0.80	37.50
43.001-414	0.40	20.00	43.001-436	0.60	27.50	43.001-087	0.80	38.00
43.001-416	0.40	20.40	43.001-024	0.60	27.70	43.001-088	0.80	38.50
43.001-418	0.40	21.00	43.001-067	0.60	28.00	43.001-089	0.80	39.50
43.001-421	0.40	21.80	43.001-065	0.60	28.50	43.001-090	0.80	41.50
43.001-424	0.40	23.00	43.001-029	0.60	28.90	43.001-091	0.80	43.00
43.001-463	0.40	23.50	43.001-035	0.60	30.00	43.001-092	0.80	44.00
43.001-461	0.40	24.00	43.001-447	0.60	30.50	43.001-093	0.80	45.00
43.001-462	0.40	26.00	43.001-450	0.60	31.20	43.001-023	0.85	26.90
43.001-438	0.40	28.00	43.001-456	0.60	33.50	43.001-041	0.85	30.80
43.001-441	0.40	28.90	43.001-457	0.60	34.00	43.001-012	0.90	20.60
43.001-451	0.40	31.50	43.001-459	0.60	36.00	43.001-040	0.90	30.70
43.001-430	0.42	25.36	43.001-460	0.60	38.30	43.001-055	0.90	32.20
43.001-407	0.45	17.30	43.001-069	0.60	38.70	43.001-057	0.90	33.90
43.001-448	0.45	30.00	43.001-070	0.60	39.00	43.001-016	1.00	22.00
43.001-405	0.50	16.50	43.001-071	0.60	39.50	43.001-018	1.00	23.00
43.001-004	0.50	17.60	43.001-072	0.60	40.50	43.001-022	1.00	26.25
43.001-005	0.50	18.00	43.001-073	0.60	41.00	43.001-026	1.00	27.50
43.001-411	0.50	18.50	43.001-074	0.60	42.50	43.001-028	1.00	28.00
43.001-007	0.50	19.20	43.001-075	0.60	43.00	43.001-030	1.00	28.25
43.001-009	0.50	19.50	43.001-076	0.60	45.80	43.001-032	1.00	28.40
43.001-415	0.50	20.00	43.001-077	0.60	47.50	43.001-034	1.00	29.00
43.001-419	0.50	21.00	43.001-100	0.65	26.00	43.001-036	1.00	29.30
43.001-420	0.50	21.50	43.001-021	0.65	26.70	43.001-038	1.00	29.75
43.001-422	0.50	22.00	43.001-014	0.70	22.10	43.001-061	1.00	30.00
43.001-425	0.50	23.00	43.001-025	0.70	27.60	43.001-043	1.00	30.75
43.001-427	0.50	24.00	43.001-046	0.70	31.80	43.001-044	1.00	31.00
43.001-428	0.50	24.60	43.001-033	0.75	29.30	43.001-066	1.00	31.50
43.001-429	0.50	25.00	43.001-050	0.75	32.50	43.001-052	1.00	32.00
43.001-431	0.50	25.70	43.001-010	0.80	19.40	43.001-101	1.00	32.40
43.001-432	0.50	26.00	43.001-013	0.80	21.00	43.001-053	1.00	32.50
43.001-434	0.50	26.80	43.001-015	0.80	22.10	43.001-062	1.00	33.00
43.001-435	0.50	27.20	43.001-017	0.80	22.90	43.001-058	1.00	33.75
43.001-437	0.50	27.60	43.001-019	0.80	25.20	43.001-060	1.00	35.30
43.001-439	0.50	28.30	43.001-064	0.80	26.00	43.001-094	1.00	36.00
43.001-440	0.50	28.50	43.001-027	0.80	28.00	43.001-095	1.00	39.00
43.001-442	0.50	29.00	43.001-031	0.80	28.70	43.001-096	1.00	41.50
43.001-443	0.50	29.30	43.001-037	0.80	30.00	43.001-097	1.00	43.00
43.001-444	0.50	29.60	43.001-039	0.80	30.50	43.001-098	1.00	46.00
43.001-445	0.50	29.80	43.001-042	0.80	31.00	43.001-099	1.00	50.00
43.001-449	0.50	31.00	43.001-045	0.80	31.50	43.001-059	1.50	34.00
43.001-464	0.50	31.50	43.001-047	0.80	31.80	43.001-056	1.80	31.60



25 pièces / pieces / Stück / piezas / pezzi

MSA	Qté. / Qty.	Kg
43.043	25x	0.003

Assortiment de joints ronds, section Ø 0.30...0.45 mm.  
 Assortment of round gaskets, section Ø 0.30...0.45 mm.  
 Sortiment von Runddichtungen, Querschnitt Ø 0.30...0.45 mm.

Surtido de juntas redondas, sección Ø 0.30...0.45 mm.  
 Assortimento di guarnizioni tonde, sezione Ø 0.30...0.45 mm.



50 pièces / pieces / Stück / piezas / pezzi

MSA	Qté. / Qty.	Kg
43.044	50x	0.004

Assortiment de joints ronds, section Ø 0.50 et 0.60 mm.  
 Assortment of round gaskets, section Ø 0.50 and 0.60 mm.  
 Sortiment von Runddichtungen, Querschnitt Ø 0.50 und 0.60 mm.

Surtido de juntas redondas, sección Ø 0.50 y 0.60 mm.  
 Assortimento di guarnizioni tonde, sezione Ø 0.50 e 0.60 mm.



100 pièces / pieces / Stück / piezas / pezzi

MSA	Qté. / Qty.	Kg
43.045	100x	0.006

Assortiment de joints ronds, section Ø 0.65...1.80 mm.  
 Assortment of round gaskets, section Ø 0.65...1.80 mm.  
 Sortiment von Runddichtungen, Querschnitt Ø 0.65...1.80 mm.

Surtido de juntas redondas, sección Ø 0.65...1.80 mm.  
 Assortimento di guarnizioni tonde, sezione Ø 0.65...1.80 mm.



MSA	Qté. / Qty.	Kg
43.511	316x	0.280

Assortiment de joints ronds ; boîte en bois avec 158 sachets.  
Assortment of round gaskets ; wooden box with 158 bags.  
Sortiment von Runddichtungen ; Holzkasten mit 158 Beutel.

Surtido de juntas redondas ; caja de madera con 158 bolsitas.  
Assortimento di guarnizioni tonde ; scatola di legno con 158 bustine.

2 joints/sachet / 2 gaskets/bag / 2 Dichtungen/Beutel  
2 juntas/bolsita / 2 guarnizioni/bustina

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2x MSA43.040-001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016 -017 -018 -019 -020 -022 -023  
-024 -025 -026 -027 -028 -029 -030 -031 -032 -033 -034 -035 -036 -037 -038 -039 -040 -041 -042 -043 -044 -045 -046 -047 -048  
-049 -050 -051 -052 -053 -055 -056 -057 -058 -059 -060 -061 -062 -063 -064 -065 -066 -067 -068 -069 -070 -071 -072 -073 -074  
-075 -076 -077 -078 -079 -080 -081 -082 -083 -084 -085 -086 -087 -088 -089 -090 -091 -092 -093 -094 -095 -096 -097 -098 -099  
-100 -101

2x MSA43.041-401 -402 -403 -404 -405 -406 -407 -409 -410 -411 -412 -413 -414 -415 -416 -417 -418 -419 -420 -421 -422 -423  
-424 -425 -427 -428 -429 -431 -432 -433 -434 -435 -436 -437 -438 -439 -440 -441 -442 -443 -444 -445 -446 -447 -449 -450 -451  
-453 -454 -455 -456 -457 -458 -459 -460 -461 -462 -463 -464



MSA	Qté. / Qty.	Kg
43.060	50x	0.003

Assortiment de joints ronds, pour trappes de piles.  
Assortment of round gaskets, for battery covers.  
Sortiment von Runddichtungen, für Batteriedeckel.

Surtido de juntas redondas, para tapas de baterías.  
Assortimento di guarnizioni tonde, per tappi delle batterie.

**50 pièces / pieces / Stück / piezas / pezzi**

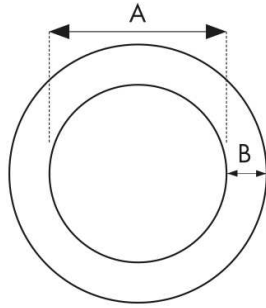


MSA	Qté. / Qty.	Kg
43.070	50x	0.002

Assortiment de joints ronds, pour couronnes et poussoirs.  
Assortment of round gaskets, for crowns and pushers.  
Sortiment von Runddichtungen, für Kronen und Drücker.

Surtido de juntas redondas, para coronas y pulsadores.  
Assortimento di guarnizioni tonde, per corone e pulsanti.

**50 pièces / pieces / Stück / piezas / pezzi**

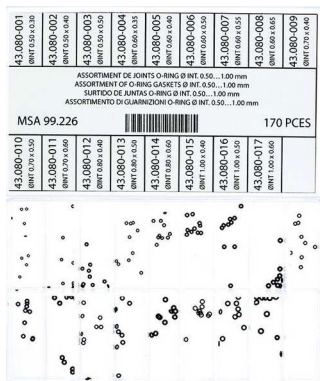


Joint mini O-Ring ; sachet de 100 pièces.  
 Mini O-Ring gasket ; bag of 100 pieces.  
 Mini O-Ring Dichtung ; Beutel von 100 Stück.

Junta mini O-Ring ; bolsita de 100 piezas.  
 Guarnizione mini O-Ring ; bustina da 100 pezzi.

100 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm
43.080-001	0.50	0.30	43.080-041	0.85	0.40	43.080-025	1.50	0.50
43.080-002	0.50	0.40	43.080-036	0.90	0.40	43.080-026	1.50	0.75
43.080-003	0.50	0.50	43.080-035	0.95	0.50	43.080-037	1.60	0.40
43.080-004	0.60	0.35	43.080-015	1.00	0.40	43.080-027	1.60	0.50
43.080-005	0.60	0.40	43.080-016	1.00	0.50	43.080-028	1.60	0.70
43.080-006	0.60	0.50	43.080-017	1.00	0.60	43.080-039	1.70	0.50
43.080-007	0.60	0.55	43.080-018	1.20	0.40	43.080-040	1.70	0.60
43.080-008	0.60	0.65	43.080-019	1.20	0.60	43.080-029	1.80	0.40
43.080-009	0.70	0.40	43.080-020	1.30	0.40	43.080-030	1.80	0.60
43.080-010	0.70	0.50	43.080-021	1.30	0.50	43.080-031	1.80	0.80
43.080-011	0.70	0.60	43.080-022	1.40	0.40	43.080-032	2.00	0.50
43.080-012	0.80	0.40	43.080-023	1.40	0.50	43.080-033	2.00	0.60
43.080-013	0.80	0.50	43.080-024	1.40	0.60	43.080-034	2.50	0.65
43.080-014	0.80	0.60	43.080-042	1.50	0.70			

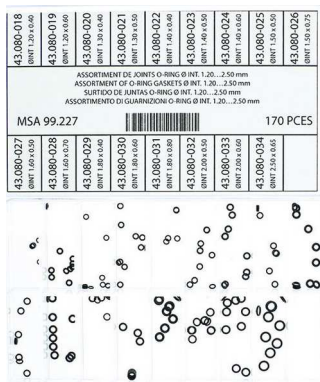


MSA	Qté. / Qty.	Kg
99.226	170x	0.035

Assortiment de joints mini O-Ring, Ø int. 0.50...1.00 mm.  
 Assortment of mini O-Ring gaskets, Ø int. 0.50...1.00 mm.  
 Sortiment von mini O-Ring Dichtungen, Ø inn. 0.50...1.00 mm.

Surtido de juntas mini O-Ring, Ø int. 0.50...1.00 mm.  
 Assortimento di guarnizioni mini O-Ring, Ø int. 0.50...1.00 mm.

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 10x MSA43.080-001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016 -017



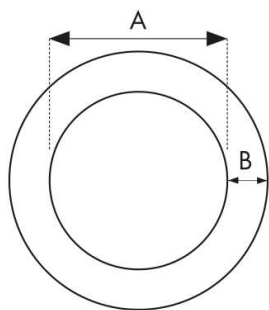
MSA	Qté. / Qty.	Kg
99.227	170x	0.035

Assortiment de joints mini O-Ring, Ø int. 1.20...2.50 mm.  
 Assortment of mini O-Ring gaskets, Ø int. 1.20...2.50 mm.  
 Sortiment von mini O-Ring Dichtungen, Ø inn. 1.20...2.50 mm.

Surtido de juntas mini O-Ring, Ø int. 1.20...2.50 mm.  
 Assortimento di guarnizioni mini O-Ring, Ø int. 1.20...2.50 mm.

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 10x MSA43.080-018 -019 -020 -021 -022 -023 -024 -025 -026 -027 -028 -029 -030 -031 -032 -033 -034



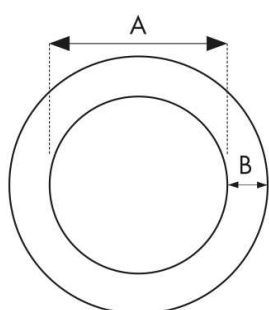


1000 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	Kg
43.032	2.50	0.60	0.080

Joint O-Ring ; sachet de 1'000 pièces.  
O-Ring gasket ; bag of 1'000 pieces.  
O-Ring Dichtung ; Beutel von 1'000 Stück.

Junta O-Ring ; bolsita de 1'000 piezas.  
Guarnizione O-Ring ; bustina da 1'000 pezzi.

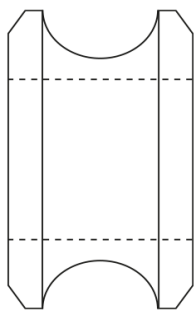


10 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	Kg
43.003	0.70	0.50	0.001

Joint rond pour tubes (intérieur) ; sachet de 10 pièces.  
Round gasket for tubes (interior) ; bag of 10 pieces.  
Runddichtung für Röhre (Innen) ; Beutel von 10 Stück.

Junta redonda para tubos (interior) ; bolsita de 10 piezas.  
Guarnizione tonda per tubi (interno) ; bustina da 10 pezzi.



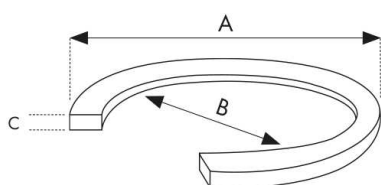
10 pièces / pieces / Stück / piezas / pezzi

MSA	Ø int. / Ø ext. mm	Kg
43.006	1.50 x 2.80	0.001

Joint pour tube spécial MSA47.101 (voir page 6-4) ; sachet 10 pièces.  
Gasket for special tube MSA47.101 (see page 6-4) ; bag 10 pieces.  
Dichtung für spezieller Rohr MSA47.101 (siehe Seite 6-4) ; Beutel 10 Stück.

Junta para tubo especial MSA47.101 (ver página 6-4) ; bolsita 10 piezas.  
Guarnizione per tubo speciale MSA47.101 (vedere pagina 6-4) ; bustina 10 pezzi.

Voir chapitre TUBES / See TUBES chapter / Siehe RÖHRE Kapitel  
Véase capítulo TUBOS / Vedere capitolo TUBI

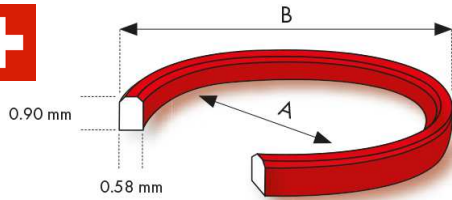


10 pièces / pieces / Stück / piezas / pezzi

MSA	A Ø mm	B Ø mm	C mm
43.005	3.50	2.50	0.30
43.004	4.00	2.80	0.35

Joint plat pour couronnes à vis (intérieur) ; sachet de 10 pièces.  
Flat gasket for screw-on crowns (interior) ; bag of 10 pieces.  
Flachdichtung für Schraubkronen (Innen) ; Beutel von 10 Stück.

Junta plana para coronas de rosca (interior) ; bolsita de 10 piezas.  
Guarnizione piatta per corone a vite (interno) ; bustina da 10 pezzi.



Joint rouge.  
 Red gasket.  
 Rote Dichtung.

Junta roja.  
 Guarnizione rossa.

1 pièce / piece / Stück / pieza / pezzo

MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm	MSA	A Ø mm	B Ø mm
43.052-796	14.84	16.00	43.052-816	24.84	26.00	43.052-834	33.84	35.00
43.052-797	15.34	16.50	43.052-817	25.34	26.50	43.052-835	34.34	35.50
43.052-798	15.84	17.00	43.052-818	25.84	27.00	43.052-836	34.84	36.00
43.052-799	16.34	17.50	43.052-819	26.34	27.50	43.052-837	35.34	36.50
43.052-800	16.84	18.00	43.052-820	26.84	28.00	43.052-838	35.84	37.00
43.052-801	17.34	18.50	43.052-821	27.34	28.50	43.052-839	36.34	37.50
43.052-802	17.84	19.00	43.052-822	27.84	29.00	43.052-840	36.84	38.00
43.052-803	18.34	19.50	43.052-823	28.34	29.50	43.052-841	37.34	38.50
43.052-804	18.84	20.00	43.052-824	28.84	30.00	43.052-842	37.84	39.00
43.052-805	19.34	20.50	43.052-825	29.34	30.50	43.052-843	38.34	39.50
43.052-806	19.84	21.00	43.052-826	29.84	31.00	43.052-844	38.84	40.00
43.052-807	20.34	21.50	43.052-827	30.34	31.50	43.052-845	39.34	40.50
43.052-808	20.84	22.00	43.052-828	30.84	32.00	43.052-846	39.84	41.00
43.052-809	21.34	22.50	43.052-829	31.34	32.50	43.052-847	40.34	41.50
43.052-810	21.84	23.00	43.052-830	31.84	33.00	43.052-848	40.84	42.00
43.052-811	22.34	23.50	43.052-831	32.34	33.50	43.052-849	41.34	42.50
43.052-812	22.84	24.00	43.052-832	32.84	34.00	43.052-850	41.84	43.00
43.052-813	23.34	24.50	43.052-832A	33.05	34.00	43.052-851	42.34	43.50
43.052-814	23.84	25.00	43.052-833	33.34	34.50	43.052-852	42.84	44.00
43.052-815	24.34	25.50						



MSA	Qté. / Qty.	Kg
43.532	58x	0.215

Assortiment de joints rouges ; boîte en bois avec 58 sachets.  
 Assortment of red gaskets ; wooden box with 58 bags.  
 Sortiment von roten Dichtungen ; Holzkasten mit 58 Beutel.

Surtido de juntas rojas ; caja de madera con 58 bolsitas.  
 Assortimento di guarnizioni rosse ; scatola di legno con 58 bustine.

1 joint/sachet / 1 gasket/bag / 1 Dichtung/Beutel  
 1 junta/bolsita / 1 guarnizione/bustina

Contenu - Contents - Inhalt - Contenido - Contenuto : 58 modèles - models - Modelle - modelos - modelli  
 1x MSA43.052-796 -797 -798 -799 -800 -801 -802 -803 -804 -805 -806 -807 -808 -809 -810 -811 -812 -813 -814 -815  
 -816 -817 -818 -819 -820 -821 -822 -823 -824 -825 -826 -827 -828 -829 -830 -831 -832 -832-A -833 -834 -835 -836  
 -837 -838 -839 -840 -841 -842 -843 -844 -845 -846 -847 -848 -849 -850 -851 -852



Voir le chapitre des VERRES pour les joints en Hytrel et Zytel.  
 See the chapter of CRYSTALS for Hytrel and Zytel gaskets.  
 Siehe das Kapitel der GLÄSER für die Dichtungen aus Hytrel und Zytel.

Ver el capítulo de los CRISTALES para las juntas en Hytrel y Zytel.  
 Vedere il capitolo dei VETRI per le guarnizioni in Hytrel e Zytel.