

DISPERMAT®

Accessories for dissolvers, stirrers and mixers

Quality meets Know-How High quality accessories from VMA-GETZMANN

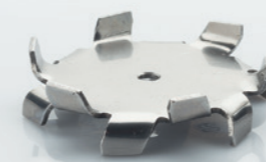
Within our wide range of available DISPERMAT® stirrers, mixers, laboratory and pilot plant dissolvers we can offer extensive accessories for many applications.

Our knowledge is based on a close cooperation with our customers and experience over many years. DISPERMAT® accessories have a reputation for being well designed and high quality.

Customized solutions are another service we are able to offer. Please contact us:

+49 2296 – 8030 • info@vma-getzmann.de

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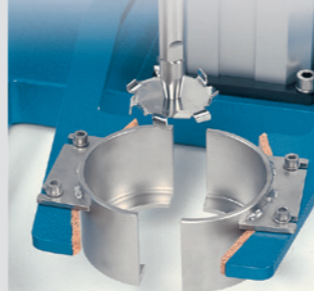
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Clamping device



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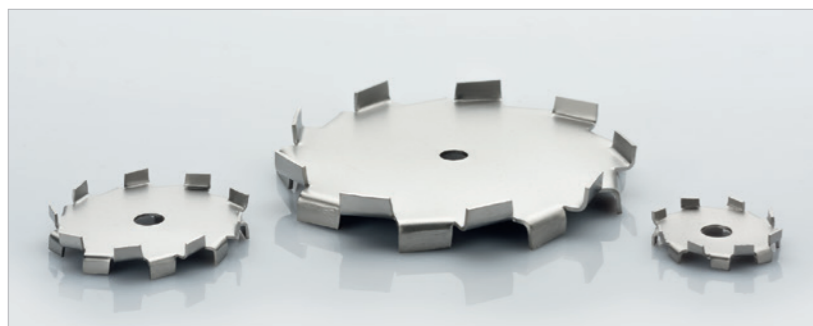
Grind gauge



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Dissolver discs

Lightweight stainless steel dissolver discs



Available sizes diameter	Hole diameter	Part number
20 mm	5 mm	D01/001020
25 mm	5 mm	D01/001025
30 mm	5 mm	D01/001030
40 mm	5 mm	D01/001040
50 mm	5 mm	D01/001050
60 mm	5 mm	D01/001060

Heavy duty stainless steel dissolver discs



Available sizes diameter	Hole diameter	Part number
30 mm	5 mm	D01/002030
40 mm	5 mm	D01/002040
50 mm	5 mm	D01/002050
60 mm	5 mm	D01/002060

Heavy duty stainless steel dissolver discs with hub and male thread



Available sizes diameter	Male thread	Part number
70 mm	M5	D01/002070-CV
80 mm	M5	D01/002080-CV

Heavy duty stainless steel dissolver discs with hub and female thread



Available sizes diameter	Female thread	Part number
70 mm	M8	D01/002070
80 mm	M8	D01/002080
90 mm	M8	D01/002090
100 mm	M8	D01/002100
125 mm	M8	D01/002125
150 mm	M8	D01/002150

Heavy duty stainless steel dissolver discs



Available sizes diameter	Part number
175 mm	D01/002175
200 mm	D01/002200
225 mm	D01/002225
250 mm	D01/002250
280 mm	D01/002280
300 mm	D01/002300
325 mm	D01/002325
350 mm	D01/002350

Heavy duty stainless steel dissolver discs with wings



Available sizes diameter	Part number
175 mm	D01/002175-F
200 mm	D01/002200-F
225 mm	D01/002225-F
250 mm	D01/002250-F
280 mm	D01/002280-F
300 mm	D01/002300-F
325 mm	D01/002325-F
350 mm	D01/002350-F

Dissolver disc holder



Holder for fixing all dissolver discs from 175 - 350 mm

Available sizes diameter	Part number
for dissolver discs of 175 - 350 mm	702035

Shaft adapter



Shaft adapters/reducer M5/M8 for the use of small dissolver discs on dissolver shafts with an M8 male thread
Part number: 400055

Dissolver discs with coating / customized design



All dissolver discs are also available with special coatings (Rilsan, teflon, ceramics ec.).

In addition, we can manufacture stirring, dispersing and milling discs according to customers' request. Please contact us!

Stirring and mixing tools

Lightweight stainless steel propeller blades with hole



Available sizes diameter	Hole	Part number
50 mm	5 mm	D01/004050
70 mm	5 mm	D01/004070
100 mm	5 mm	D01/004100

Heavy duty stainless steel propeller blades with female thread



Available sizes diameter	Female thread	Part number
40 mm	M8	D01/005040
55 mm	M8	D01/005055
75 mm	M8	D01/005080
90 mm	M8	D01/005090
100 mm	M8	D01/005105
125 mm	M8	D01/005125

Stainless steel inclined blade impeller with female thread



Available sizes diameter	Female thread	Part number
30 mm	M8	D01/BR030
40 mm	M8	D01/BR040
50 mm	M8	D01/BR050
60 mm	M8	D01/BR060
70 mm	M8	D01/BR070
80 mm	M8	D01/BR080
90 mm	M8	D01/BR090
100 mm	M8	D01/BR100
125 mm	M8	D01/BR125
150 mm	M8	D01/BR150

Stainless steel butterfly tool with female thread



Available sizes	Female thread	Part number
for 125 ml containers	M8	D01/BF0125
for 250 ml containers	M8	D01/BF0250
for 500 ml containers	M8	D01/BF0500
for 1000 ml containers	M8	D01/BF1000
for 2000 ml containers	M8	D01/BF2000
for 3000 ml containers	M8	D01/BF3000
for 5000 ml containers	M8	D01/BF5000

MD three blade mixing tools



MD three blade mixing tools with M8 female thread for dissolver shafts with a diameter of 20 mm

Available sizes diameter	Female thread	Part number
60 mm	M8	D01/MD0060-22
80 mm	M8	D01/MD0080-30
120 mm	M8	D01/MD0120-38
150 mm	M8	D01/MD0150-44
175 mm	M8	D01/MD0175-58
210 mm	M8	D01/MD0210-68

MD three blade mixing tools with a seat and hub for 30/45 mm diameter dissolver shafts

Available sizes diameter	Seat with hub	Part number
260 mm	for 30/45 mm diameter dissolver shafts	D01/MD0260-78
320 mm	for 30/45 mm diameter dissolver shafts	D01/MD0320-100
390 mm	for 30/45 mm diameter dissolver shafts	D01/MD0390-121
500 mm	for 30/45 mm diameter dissolver shafts	D01/MD0500-121



Milling impellers

Teflon single milling impellers



Type	Size diameter	Height	Recommended container capacity	Recommended bead quantity	Recommended millbase volume	Part number
EMS T20	20 mm	5 mm	30 ml	12 ml	8 - 12 ml	D01/003020
EMS T30	30 mm	5 mm	125 ml	50 ml	30 - 50 ml	D01/003030
EMS T45	45 mm	5 mm	250 ml	100 ml	50 - 100 ml	D01/003045
EMS T60	60 mm	5 mm	500 ml	200 ml	100 - 200 ml	D01/003060
EMS T75	75 mm	5 mm	1000 ml	400 ml	200 - 500 ml	D01/003075
EMS T90	90 mm	5 mm	2000 ml	800 ml	500 - 1500 ml	D01/003090
Fixing device for single milling impellers						D01/003031

Ceramic double milling impellers (available in zirconium oxide or silicon carbide)



Type	Size diameter	Height	Recommended container capacity	Recommended bead quantity	Recommended millbase volume	Part number
KMS 20	20 mm	18 mm	30 ml	12 ml	8 - 12 ml	D10/APS030RZ
KMS 28	28 mm	22 mm	50 ml	40 ml	20 - 40 ml	D10/APS050RZ
KMS 32	32 mm	30 mm	125 ml	50 ml	30 - 50 ml	D10/APS125RZ
KMS 45	45 mm	38 mm	250 ml	100 ml	50 - 100 ml	D11/APS250RZ
KMS 60	60 mm	50 mm	500 ml	200 ml	100 - 200 ml	D11/APS500RZ
KMS 70	70 mm	85 mm	1000 ml	400 ml	200 - 400 ml	D11/APS1000RZ
KMS 100	100 mm	95 mm	3000 ml	1200 ml	500 - 1500 ml	D11/APS3000RZ

Polyamide double milling impellers



Type	Size diameter	Height	Recommended container capacity	Recommended bead quantity	Recommended millbase volume	Part number
DMS 28	28 mm	22 mm	50 ml	20 ml	10 - 20 ml	D01/006028
DMS 32	32 mm	30 mm	125 ml	50 ml	30 - 50 ml	D01/006032
DMS 45	45 mm	38 mm	250 ml	100 ml	50 - 100 ml	D01/006045
DMS 60	60 mm	50 mm	500 ml	200 ml	100 - 200 ml	D01/006060
DMS 70	70 mm	85 mm	1000 ml	400 ml	200 - 400 ml	D01/006070
for 17 mm diameter dissolver shafts						
DMS 80	80 mm	85 mm	2000 ml	800 ml	500 - 1500 ml	D01/006080-17
DMS 100	100 mm	95 mm	3000 ml	1200 ml	500 - 1500 ml	D01/006100-17
DMS 130	130 mm	98 mm	5000 ml	2000 ml	1500 - 2000 ml	D01/006130-17
for 20 mm diameter dissolver shafts						
DMS 80	80 mm	85 mm	2000 ml	800 ml	500 - 1500 ml	D01/006080-20
DMS 100	100 mm	95 mm	3000 ml	1200 ml	500 - 1500 ml	D01/006100-20
DMS 130	130 mm	98 mm	5000 ml	2000 ml	1500 - 2000 ml	D01/006130-20
DMS 150	150 mm	105 mm	7000 ml	2800 ml	2000 - 3500 ml	D01/006150-20



Pearl mill impellers

Hardened steel pearl mill impellers with male thread



Type	Size diameter	Height	Recommended container capacity	Recommended bead quantity	Recommended millbase volume	Part number
MICRO	28 mm	17 mm	125 ml	50 ml	30 - 50 ml	D01/007030
MINI	40 mm	30 mm	250 ml	100 ml	50 - 100 ml	D01/007040
MC 25	60 mm	42 mm	500 ml	200 ml	100 - 200 ml	D01/007060

Ceramic pearl mill impellers



Type	Size diameter	Height	Recommended container capacity	Recommended bead quantity	Recommended millbase volume	Part number
MICRO	28 mm	17 mm	125 ml	50 ml	30 - 50 ml	D01/007030-01
MINI	40 mm	30 mm	250 ml	100 ml	50 - 100 ml	D01/007040-01
MC 25	60 mm	42 mm	500 ml	200 ml	100 - 200 ml	D01/007060-01

Milling beads

Ceramic beads, zirconium oxide, cerium or yttrium stabilized

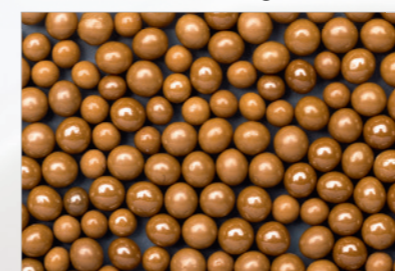
Cerium and yttrium stabilized zirconium oxide milling beads are recommended for optimum milling performance. Glass and zirconium silicate beads are used but are less efficient, wear faster and are more likely to break.

With a high bulk weight cerium and yttrium stabilized ceramic beads have a high kinetic energy and good dispersion efficiency. They have much longer working life and a high resistance to breaking.

Milling beads comparison:

Type	Glass	Zirconium oxide cerium-stabilized	Zirconium oxide yttrium-stabilized
Colour	transparent	brown	white
Specific weight in g/cm ³	2.5	6.1	6.0
Bulk weight in kg/l	1.5	3.5	3.6
Vickers hardness (HV10)	400	1150	1150
Mohs hardness	5+	9+	8+
Service life in hrs	up to 500	up to 4000	up to 6000

Recommended milling beads



Zirconium oxide, cerium-stabilized	
Available sizes	Part number
0.4 - 0.7 mm	D02/0.4-0.7
0.7 - 1.2 mm	D02/0.7-1.2
1.2 - 1.7 mm	D02/1.2-1.7
1.7 - 2.4 mm	D02/1.7-2.4
2.4 - 2.8 mm	D02/2.4-2.8
2.8 - 3.3 mm	D02/2.8-3.3



Zirconium oxide, yttrium-stabilized	
Available sizes	Part number
0.1 - 0.2 mm PREMIUM	D02/0.1-0.2YP
0.2 - 0.3 mm PREMIUM	D02/0.2-0.3YP
0.2 - 0.4 mm	D02/0.2-0.4Y
0.3 - 0.4 mm	D02/0.3-0.4Y
0.4 - 0.5 mm	D02/0.4-0.5Y
0.4 - 0.6 mm	D02/0.4-0.6Y
0.6 - 0.8 mm	D02/0.6-0.8Y
0.8 - 1.0 mm	D02/0.8-1.0Y
1.0 - 1.2 mm	D02/1.0-1.2Y
1.2 - 1.4 mm	D02/1.2-1.4Y
1.4 - 1.6 mm	D02/1.4-1.6Y
1.6 - 1.8 mm	D02/1.6-1.8Y
1.8 - 2.0 mm	D02/1.8-2.0Y
2.0 - 2.5 mm	D02/2.0-2.5Y
2.6 - 3.3 mm	D02/2.6-3.3Y