

MILLING TOOLS MADE BY JONGEN

JONGEN UNI-MILL



PREISLISTE - PRICELIST - TARIF - LISTINO PREZZI **EURO 2018**



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Vollhartmetallfräser und -bohrer*Solid carbide cutters and drilling tools, Fraises et forets carbure monobloc, Frese e punte in metallo duro***VHM-Fräser für die Aluminium-, Kupfer- und Kunststoffbearbeitung (inkl. 3D-Bearbeitung) 46-47***Solid carbide cutters for machining aluminium, copper and plastics (incl. 3D operations)**Fraises carbure monobloc destinées à l'usinage de l'aluminium, le cuivre et les matières plastiques (y compris les usinages en 3D)**Frese in m.d. per lavorazioni in alluminio, rame e materie plastiche (incl. lavorazioni 3D)***VHM-Fräser für die Stahl-, Edelstahl- und Titanbearbeitung (inkl. Hartbearbeitung) 48-52***Solid carbide cutters for machining steel, high grade steel and titan (incl. hard machining)**Fraises carbure monobloc destinées à l'usinage de l'acier, l'inox et le titane (y compris les usinages durs)**Frese in m.d. per lavorazioni in acciaio, acciaio inossidabile e titanio (incl. lavorazioni di materiali duri)***VHM-Fräser für die 3D Bearbeitung von Stahl, Edelstahl und Titan (inkl. Hartbearbeitung) 52-57***Solid carbide cutters for the 3D working of steel, high grade steel and titan (incl. hard machining)**Fraises carbure monobloc destinées à l'usinage en 3D de l'acier, l'inox et le titane (y compris les usinages durs)**Frese in m.d. per lavorazioni 3D in acciaio, acciaio inossidabile e titanio (incl. lavorazioni di materiali duri)***VHC-Fräser für trochoidale Bearbeitung 58***Solid carbide cutters for trochoidal milling**Fraises carbure monobloc destinées à l'usinage trochoïdal**Frese in m.d. per le fresatura trocoidale***VHM-Fräser zum Fasen und Entgraten 59***Solid carbide cutters for chamfering and deburring**Fraises carbure monobloc destinées au chanfreinage et à l'ébavurage**Frese in metallo duro per la smussatura e sbavatura***VHM-Microfräser für die Stahl-, Kupfer- und Hartbearbeitung (inkl. 3D-Bearbeitung) 60-62***Micro solid carbide cutters for machining steel, copper and hard materials (3D operations)**Micro fraises pour les usinages de l'acier, le cuivre et les usinages durs (y compris les usinages en 3D)**Microfresse per lavorazioni in acciaio, rame e materiali duri (incl lavorazioni 3D)***VHM-Spezialfräser 63***Solid carbide cutters for special milling operations**Fraises carbure monobloc spéciales**Frese in metallo duro per applicazioni specifiche***GDH-Fräser für Graphit 64-65***Tools for the graphite processing**Outils pour l'usinage du graphite**Utensili per la lavorazione della grafite***VHM-Bohrwerkzeuge 66-68***Solid carbide drills, Forets, Punte integrali di metallo duro***Numerisches Vollhartmetallfräser und -bohrerverzeichnis 69***Numerical directory of solid carbide cutters and drilling tools, Liste numérique des fraises et forets carbure,**Indice numerico frese e punte in metallo duro*

Übersicht mit alten und neuen Bezeichnungen

Numerical directory with old and new article codes

Liste numérique avec anciennes et nouvelles références

Indice numerico con codice vecchio e codice nuovo

Alte Bezeichnung Old article code Ancienne référence Codice vecchio	Neue Bezeichnung New article code Nouvelle référence Codice nuovo	Werkzeuge Tools Outils Utensili	Wendeplatte Inserts Plaquettes Inserti	Alte Bezeichnung Old article code Ancienne référence Codice vecchio	Neue Bezeichnung New article code Nouvelle référence Codice nuovo	Werkzeuge Tools Outils Utensili	Wendeplatte Inserts Plaquettes Inserti
		Seite, Page, Pagina				Seite, Page, Pagina	
BP 0402	JDD01-0402R04	22	41	FP 70A	JMB25-70AR..	9,11,12,14	35
BP 04T2	JDD01-04T2R04	22	41	FP 70S	JMB25-70SR08	9,11,12,14	35
BP 0502	JDD02-0502R04	22	41	FP 71	JMB03-71	8,10,14	29
BP 05T2	JDD02-05T2R04	22	41	FP 71 A	JMB03-71A	8,10,14	29
BP 0602	JDD03-0602R06	22	41	FP 72	JMB03-72	8,10,14	29
BP 06T2	JDD03-06T2R06	22	41	FP 72 A	JMB03-72A	8,10,14	29
BP 0702	JDD04-0702R06	22	41	FP 73	JMB03-73	8,10,14	29
BP 07T2	JDD04-07T2R06	22	41	FP 73 A	JMB03-73A	8,10,14	29
BP 0803	JDD05-0803R08	22	41	FP 74	JMB03-74	8,10,14	29
BP 08T3	JDD05-08T3R08	22	41	FP 75	JMB17-75R10	8,11,12,14	34
BP 1004	JDD06-1004R08	22	41	FP 75 R0,4	JMB17-75R04	8,11,12,14	34
BP 10T4	JDD06 10T4R08	22	41	FP 75M	JMB17-75MR10	8,11,12,14	34
BP 1205	JDD07-1205R08	22	41	FP 76 R	JMB17-76R..	8,11,12,14	34
BP 12T5	JDD07-12T5R08	22	41	FP 77	JMB13-77R08	8,10,12,14	32
				FP 78	JMB13-78R08	8,10,12,14	32
FP 09H	JMA17-09HR08	18	27	FP 79 R0,8	JMB13-79R08	8,10,12,14	32
FP 09M	JMA17-09MR08	18	27	FP 81	JMB07-81	-	31
FP 09S	JMA17-09SR08	18	27	FP 82	JML01-82R08	13	39
FP 12H	JMA18-12HR10	19	27	FP 82 A	JML01-82AR08	13	39
FP 12M	JMA18-12MR10	19	27	FP 83	JMB11-83	6	31
FP 12S	JMA18-12SR10	19	27	FP 83 R0,8	JMB11-83R08	6	31
FP 19H	JMA19-16HR12	19	28	FP 84	JMB10-84R04	13,20	31
FP 19S	JMA19-16HS12	19	28	FP 84 A	JMB10-84AR04	13,20	31
FP 22	JMB02-22R10	-	28	FP 85	JMB16-85R03	6,8	33
FP 25	JMB01-25R08	8	28	FP 91-L	JMS05-91LR08	21	40
FP 26	JMB01-26R12	8	28	FP 91-R	JMS05-91RR08	21	40
FP 27	JMB01-27R08	8	28	FP 94-L	JMS01-94LR..	21	40
FP 33	JMA02-33	-	24	FP 94-R	JMS01-94RR..	21	40
FP 34	JMA02-34	-	24	FP 96-L	JMS04-96LR..	21	40
FP 35	JMA02-35R12	-	24	FP 96-R	JMS04-96RR..	21	40
FP 35 S	JMA02-35SR12	-	24	FP 97-L	JMS03-97LR..	21	40
FP 36	JMF01-36	-	39	FP 97-R	JMS03-97RR..	21	40
FP 36 A	JMF01-36A	-	39	FP 98-L	JMS02-98LR..	21	40
FP 37	JMF01-37	-	39	FP 98-R	JMS02-98RR..	21	40
FP 41	JMB06-41R08	13,15,16	30	FP 111	JMA01-111	7	24
FP 41 A	JMB06-41AR08	13,15,16	30	FP 112	JMA01-112	7	24
FP 42	JMB06-42R08	13,15,16	30	FP 113	JMA01-113	7	24
FP 42 R	JMB06-42R..	13,15,16	30	FP 114	JMA01-114	7	24
FP 44	JMB06-44R08	15,16	30	FP 115	JMA01-115	7	24
FP 46	JMB06-46R08	15,16	30	FP 116	JMA01-116	7	24
FP 47	JMB06-47R08	15,16	31	FP 117	JMA01-117	7	24
FP 48	JMB06-48R08	15,16	31	FP 124H	JMC10-124H	8,10,12	38
FP 49	JMB18-49R10	9,11,12,14	34	FP 124S	JMC10-124S	8,10,12	38
FP 49 R	JMB18-49R..			FP 140	JMA13-140	7	26
FP 49M	JMB18-49MR10	9,11,12,14	34	FP 141	JMA13-141	7	26
FP 61	JMB05-61R04	-	29	FP 142	JMA13-142	7	26
FP 61 A	JMB05-61AR04			FP 145	JMA13-145	7	26
FP 63	JMB21-63R04	9,11,12	35	FP 146	JMA13-146	7	26
FP 63 R	JMB21-63R..			FP 147	JMA13-147	7	26
FP 64 R0,2	JMB21-64R02	9,11,12	35				
FP 65	JMB09-65R04	20	31				

Alte Bezeichnung <i>Old article code</i> <i>Ancienne référence</i> <i>Codice vecchio</i>	Neue Bezeichnung <i>New article code</i> <i>Nouvelle référence</i> <i>Codice nuovo</i>	Werkzeuge <i>Tools</i> <i>Outils</i> <i>Utensili</i>	Wendeplatte <i>Inserts</i> <i>Plaquettes</i> <i>Inserti</i>	Alte Bezeichnung <i>Old article code</i> <i>Ancienne référence</i> <i>Codice vecchio</i>	Neue Bezeichnung <i>New article code</i> <i>Nouvelle référence</i> <i>Codice nuovo</i>	Werkzeuge <i>Tools</i> <i>Outils</i> <i>Utensili</i>	Wendeplatte <i>Inserts</i> <i>Plaquettes</i> <i>Inserti</i>
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FP 208	JMC06-208	17	37	FP 508	JMC06-508	17	37
FP 210	JMC07-210	17	37	FP 510	JMC07-510	17	37
FP 212	JMC08-212	17	38	FP 512	JMC08-512	17	38
FP 215	JMA01-215	7	24	FP 516	JMC09-516	17	38
FP 216	JMC09-216	17	38	FP 520	JMA10-520	7	25
FP 227	JMB01-227R08	8	28	FP 525	JMA10-525	7	25
FP 233	JMA02-233	-	24	FP 526	JMA10-526	7	25
FP 236	JMF01-236	-	39	FP 528	JMA10-528	7	25
FP 240	JMA13-240	7	26	FP 529	JMA10-529	7	25
FP 242	JMA13-242	7	26	FP 534	JMA20-534	7,10	28
FP 245	JMA13-245	7	26	FP 538	JMA16-538	7,10	27
FP 249 / FP 249 R	JMB18-249R10	9,11,12,14	34	FP 540	JMA11-540	18	25
FP 252	JMC03-252	8	36	FP 541	JMA11-541	18	25
FP 253	JMC03-253	8	36	FP 542	JMB24-542	19	35
FP 257	JMC03-257	8	36	FP 545	JMA12-545	18	25
FP 275	JMB17-275R08	8,11,12,14	34	FP 546	JMA12-546	18	25
FP 275 R	JMB17-275R04			FP 554	JMA15-554	7	27
FP 277	JMB13-277R08	8,10,12,14	32	FP 558	JMA14-558	7	26
FP 278	JMB13-278R08	8,10,12,14	32	FP 606	JMC05-606	17	37
FP 278 R2,0	JMB13-278R20	8,10,12,14	32	FP 608	JMC06-608	17	37
FP 278 R3,0	JMB13-278R30	8,10,12,14	32	FP 610	JMC07-610	17	37
FP 279	JMB13-279R08	8,10,12,14	32	FP 612	JMC08-612	17	38
FP 282	JML01-282R08	13	39	FP 616	JMC09-616	17	38
FP 284	JMB10-284R..	13,20	31	FP 640	JMA11-640	18	25
FP 284 R	JMB10-284R04	13,20	31	FP 642	JMB24-642	19	35
FP 327	JMB12-237R06	8,10,12,13,15,20	32	FP 645	JMA12-645	18	25
FP 328	JMB12-328R06	8,10,12,13,15,20	32	FP 708	JMC06-708	17	37
FP 329	JMA09-329	7,10	24	FP 710	JMC07-710	17	37
FP 330	JMB12-330R06	8,10,12,13,15,20	32	FP 712	JMC08-712	17	38
FP 331	JMA09-331	7,10	24	FP 723	JMB31-723R08	9	36
FP 332	JMB12-332R08	8,10,12,13,15,20	32	FP 723 R1,2	JMB31-723R12	9	36
FP 333	JMB12-333R08	8,10,12,13,15,20	32	FP 738	JMA16-738	7,10	27
FP 339	JMA09-339	7,10	24	FP 753	JMB22-753R08	9	35
FP 348	JMB12-348R06	8,10,12,13,15,20	32	FP 754	JMA15-754	7	27
FP 349	JMA09-349	7,10	24	FP 808	JMC06-808	17	37
FP 408	JMC06-408	17	37	FP 810	JMC07-810	17	37
FP 410	JMC07-410	17	37	FP 812	JMC08-812	17	38
FP 412	JMC08-412	17	38	FP 816	JMC09-816	17	38
FP 416	JMC09-416	17	38	FP 823	JMB31-823R08	9	36
FP 421	JMB14-421R10	16	33	FP 834	JMA20-834	7,10	28
FP 422	JMB14-422R10	16	33	FP 838	JMA16-838	7,10	27
FP 423	JMB14-423R10	16	33	FP 853	JMB22-853R08	9	35
FP 424	JMB14-424R10	16	33	FP 858	JMA14-858	7	26
FP 425	JMB14-425R08	16	33	FP 908	JMC06-908	17	37
FP 425 R	JMB14-425R04	16	33	FP 910	JMC07-910	17	37
FP 426	JMB14-426R08	16	33	FP 912	JMC08-912	17	38
FP 428 R1,0	JMB28-428R10	9,11,12	36	FP 916	JMC09-916	17	38
FP 429	JMB19-429R30	9,12	35	FP T09G	JMB27-T09GR08	8,9,14,21	36
FP 454	JMA15-454	7	27	FP T09G R	JMB27-T09GRR08	21	36
FP 458	JMA14-458	7	26	FP T09P	JMB27-T09PR08	8,9,14	36

Fräs- und Bohrwerkzeuge mit Wendepplatten

Milling and drilling tools with inserts, Corps d'outil de fraisage et perçage et plaquettes, Frese e punte con inserti

Trägerkörper u. Kassetten

Cassette holders and cassettes, Supports à cassettes, Supporti e porta inserti

Type B11 (Type 83): Catalogue 2017 Page I-2



Order-No.	Euro/Piece
TKA-068-3-AL-B	623,00
TKA-080-3-AL-B	660,00
TKA-100-4-AL-B	811,00
TKA-125-4-AL-B	871,00
TKA-160-5-AL-B	1.093,00

Catalogue 2017 Page I-6



Order-No.	Euro/Piece
TK-080-06	338,00
TK-100-07	397,00
TK-125-08	478,00
TK-160-10	565,00
TK-200-12	706,00
TK-250-16	942,00
TK-312-19	1.273,00

Type B11 (Type 83): Catalogue 2017 Page I-3



Order-No.	Euro/Piece
K90-83-G	96,90

Catalogue 2017 Page I-7



Order-No.	Euro/Piece
K00-412-G	88,10
K00-516-G	88,10
K45-525-G	88,10
K45-33-G	88,10
K45-117-G	88,10
K45-140-G	88,10
K75-36-G	88,10
K90-27-G	88,10
K90-77-G	88,10
K90-49-G	88,10
K90-81-G	88,10



Type B16 (Type 85): Catalogue 2017 Page I-4



Order-No.	Euro/Piece
TK-40-02-B	414,00
TK-50-03-B	533,00

Type B16 (Type 85): Catalogue 2017 Page I-4



Order-No.	Euro/Piece
TKA-063-85-4-AL-B	623,00
TKA-080-85-6-AL-B	877,00
TKA-100-85-8-AL-B	1.190,00
TKA-125-85-9-AL-B	1.321,00

Type B16 (Type 85): Catalogue 2017 Page I-5



Order-No.	Euro/Piece
K90-85-G	78,00

Aufsteckfräser

Shell milling cutters, Fraises à alésage, Frese per attacco a manicotto

Planfräser Face Mills, Fraises à surfaçer, Frese a spianare

Type A01 (Type 113): Catalogue 2017 Page II-16



Order-No.	Euro/Piece
45PP-050-113-5	291,00
45PP-063-113-6	343,00
45PP-080-113-7	424,00
45PP-100-113-8	467,00
45PP-125-113-9	588,00
45PP-160-113-11	685,00

Type A01 (Type 114): Catalogue 2017 Page II-17



Order-No.	Euro/Piece
45PP-050-114-4	227,00
45PP-063-114-5	256,00
45PP-080-114-5	314,00
45PP-100-114-6	358,00
45PP-125-114-7	471,00
45PP-160-114-7	614,00

Type A09 (Type 329): Catalogue 2017 Page II-14



Order-No.	Euro/Piece
45PP-036-329-5	276,00
45PP-040-329-16-5	283,00
45PP-040-329-22-5	283,00
45PP-050-329-6	306,00
45PP-063-329-7	344,00
45PP-080-329-8	414,00
45PP-100-329-9	474,00
45PP-125-329-10	546,00

Type A10 (Type 525): Catalogue 2017 Page II-6



Order-No.	Euro/Piece
45PP-050-525-5	291,00
45PP-063-525-5	333,00
45PP-080-525-6	398,00
45PP-100-525-7	453,00
45PP-125-525-8	529,00
45PP-160-525-10	652,00
45PP-050-525-6	300,00
45PP-063-525-7	345,00
45PP-080-525-8	411,00
45PP-100-525-9	465,00
45PP-125-525-10	546,00
45PP-160-525-12	668,00

Type A13 (Type 140): Catalogue 2017 Page II-20 + II-21



Order-No.	Euro/Piece
45PP-050-140-4	306,00
45PP-063-140-5	408,00
45PP-080-140-6	495,00
45PP-100-140-7	576,00
45PP-125-140-8	659,00
45PP-160-140-10	830,00
45PP-200-140-12	1.163,00
45PP-050-140-5	396,00
45PP-063-140-6	431,00
45PP-080-140-8	526,00
45PP-100-140-10	635,00
45PP-125-140-12	742,00
45PP-160-140-16	985,00
45PP-200-140-19	1.313,00

Type A14 (Type 558): Catalogue 2017 Page II-12



Order-No.	Euro/Piece
45PP-050-558-4	289,00
45PP-063-558-5	311,00
45PP-080-558-6	400,00
45PP-100-558-7	451,00
45PP-125-558-9	573,00
45PP-160-558-11	684,00
45PP-080-558-7	478,00
45PP-100-558-9	494,00
45PP-125-558-11	615,00
45PP-160-558-13	738,00

Type A15 (Type 554): Catalogue 2017 Page II-10



Order-No.	Euro/Piece
45PP-050-554-4	311,00
45PP-063-554-5	345,00
45PP-080-554-6	422,00
45PP-100-554-7	473,00
45PP-125-554-9	597,00
45PP-160-554-11	708,00
45PP-050-554-5	335,00
45PP-063-554-6	369,00
45PP-080-554-7	502,00
45PP-100-554-9	516,00
45PP-125-554-11	639,00
45PP-160-554-13	762,00

Type A16 (Type 538): Catalogue 2017 Page II-8



Order-Nr.	Euro/Piece
45PP-040-538-4	216,00
45PP-050-538-5	248,00
45PP-063-538-5	266,00
45PP-080-538-6	323,00
45PP-100-538-9	414,00
45PP-125-538-10	551,00
45PP-040-538-5	247,00
45PP-050-538-6	276,00
45PP-063-538-7	303,00
45PP-080-538-9	385,00
45PP-100-538-11	469,00
45PP-125-538-13	622,00

Type A20: Catalogue 2017 - NEW



Order-No.	Euro/Piece
45PP-040-A20-5	242,00
45PP-050-A20-5	242,00
45PP-063-A20-6	270,00
45PP-080-A20-7	297,00
45PP-100-A20-9	406,00
45PP-125-A20-10	540,00
45PP-040-A20-6	269,00
45PP-050-A20-7	296,00
45PP-063-A20-8	323,00
45PP-080-A20-9	377,00
45PP-100-A20-11	460,00
45PP-125-A20-12	567,00

Aufsteckfräser

Shell milling cutters, Fraises à alésage, Frese per attacco a manicotto

Planfräser Face Mills, Fraises à surfaçer, Frese a spianare

Type B27 (Type T09): Catalogue 2017 Page II-26



Order-No.	Euro/Piece
75PP-040-T09-5	203,00
75PP-050-T09-7	243,00
75PP-063-T09-9	284,00
75PP-080-T09-12	359,00
75PP-100-T09-13	419,00

Type C10 (Type 124): Catalogue 2017 Page II-2



Order-No.	Euro/Piece
00RN-040-124-3	203,00
00RN-050-124-4	214,00
00RN-063-124-5	245,00
00RN-080-124-6	301,00
00RN-100-124-7	366,00
00RN-125-124-8	468,00

Type C03 (Type 252): Catalogue 2017 Page II-4



Order-No.	Euro/Piece
00RP-050-252-4	211,00
00RP-063-252-5	240,00
00RP-080-252-6	290,00
00RP-100-252-6	345,00
00RP-125-252-7	453,00

Aufsteckfräser

Shell milling cutters, Fraises à alésage, Frese per attacco a manicotto

Eckfräser Step Mills, Fraises à 90°, Frese per spallamenti retti 90°

Type B01 (Type 27): Catalogue 2017 Page II-30



Order-No.	Euro/Piece
90PP-050-27-4	226,00
90PP-063-27-5	247,00
90PP-080-27-5	295,00
90PP-100-27-6	341,00
90PP-125-27-7	472,00
90PP-160-27-7	538,00
90PP-050-27-5	291,00
90PP-063-27-6	312,00
90PP-080-27-7	365,00
90PP-100-27-8	443,00
90PP-125-27-9	553,00
90PP-160-27-10	620,00

Type B13 (Type 77): Catalogue 2017 Page II-44 + II-45



Order-No.	Euro/Piece
90PP-040-77-4	243,00
90PP-050-77-5	256,00
90PP-063-77-5	273,00
90PP-080-77-6	334,00
90PP-100-77-8	403,00
90PP-040-77-16-5	256,00
90PP-040-77-22-5	256,00
90PP-050-77-6	268,00
90PP-063-77-7	291,00
90PP-080-77-8	349,00
90PP-100-77-9	418,00
90PP-125-77-10	521,00
90PP-160-77-11	613,00

Type B03 (Type 71): Catalogue 2017 Page II-34 + II-35



Order-No.	Euro/Piece
90PP-040-10-16-5	248,00
90PP-040-10-22-5	248,00
90PP-050-10-5	269,00
90PP-063-10-6	294,00
90PP-080-10-7	328,00
90PP-040-10-16-6	263,00
90PP-040-10-22-6	263,00
90PP-050-10-6	275,00
90PP-063-10-7	310,00
90PP-080-10-8	358,00
90PP-100-10-9	377,00

Type B16 (Type 85): Catalogue 2017 Page II-60



Order-No.	Euro/Piece
90PP-040-85-3	239,00
90PP-050-85-4	251,00
90PP-063-85-4	265,00
90PP-080-85-5	338,00

Type B17 (Type 75): Catalogue 2017 Page II-38 + II-39



Order-No.	Euro/Piece
90PP-040-75-16-4	234,00
90PP-040-75-22-4	234,00
90PP-050-75-5	249,00
90PP-063-75-5	265,00
90PP-080-75-7	326,00
90PP-100-75-9	408,00
90PP-125-75-13	511,00
90PP-032-75-16-5	247,00
90PP-040-75-16-5	247,00
90PP-040-75-22-5	247,00
90PP-050-75-6	260,00
90PP-063-75-7	287,00
90PP-080-75-9	339,00
90PP-100-75-12	479,00

Type B12 (Type 328): Catalogue 2017 Page II-28



Order-No.	Euro/Piece
90PP-040-328-16-5	263,00
90PP-040-328-22-5	263,00
90PP-050-328-6	291,00
90PP-063-328-7	326,00
90PP-080-328-8	383,00
90PP-100-328-9	495,00
90PP-125-328-10	538,00

Aufsteckfräser

Shell milling cutters, Fraises à alésage, Frese per attacco a manicotto

Eckfräser Step Mills, Fraises à 90°, Frese per spallamenti retti 90°

Type B18 (Type 49): Catalogue 2017 Page II-50 + II-51

Order-No.	Euro/Piece
90PP-040-49-3	218,00
90PP-050-49-4	243,00
90PP-063-49-5	299,00
90PP-080-49-5	358,00
90PP-100-49-7	461,00
90PP-125-49-8	507,00
90PP-160-49-11	693,00
90PP-040-49-4	231,00
90PP-050-49-5	265,00
90PP-063-49-6	323,00
90PP-080-49-7	392,00
90PP-100-49-8	473,00
90PP-125-49-10	530,00
90PP-160-49-13	727,00

Type B19 (Type 429): Catalogue 2017 Page II-58

Order-No.	Euro/Piece
90PP-042-429-3	243,00
90PP-052-429-3	250,00
90PP-066-429-4	302,00
90PP-080-429-5	340,00

Type B21 (Type 63): Catalogue 2017 Page II-32

Order-No.	Euro/Piece
90PP-032-63-7	249,00
90PP-040-63-16-9	286,00
90PP-040-63-22-9	286,00
90PP-050-63-11	322,00
90PP-032-63-9	283,00
90PP-040-63-16-11	318,00
90PP-040-63-22-11	318,00
90PP-050-63-13	354,00

Type B22 (Type 853): Catalogue 2017 Page II-64

Order-No.	Euro/Piece
90PP-050-853-4	296,00
90PP-063-853-5	329,00
90PP-080-853-6	402,00
90PP-100-853-7	451,00
90PP-125-853-9	568,00
90PP-160-853-11	674,00
90PP-050-853-5	318,00
90PP-063-853-6	351,00
90PP-080-853-7	423,00
90PP-100-853-9	495,00
90PP-125-853-11	612,00
90PP-160-853-13	718,00

Type B25 (Type 70): Catalogue 2017 Page II-48

Order-No.	Euro/Piece
90PP-032-70-16-3	179,00
90PP-035-70-16-4	229,00
90PP-040-70-16-4	229,00
90PP-050-70-5	244,00
90PP-063-70-5	260,00
90PP-080-70-6	275,00
90PP-100-70-8	325,00
90PP-125-70-9	355,00
90PP-160-70-10	465,00
90PP-032-70-16-4	229,00
90PP-040-70-16-5	244,00
90PP-050-70-6	275,00
90PP-063-70-7	299,00
90PP-080-70-8	320,00
90PP-100-70-10	415,00
90PP-125-70-11	465,00
90PP-160-70-12	507,00

Type B27 (Type T09): Catalogue 2017 Page II-54

Order-No.	Euro/Piece
90PP-040-T09-4	173,00
90PP-050-T09-5	203,00
90PP-063-T09-7	243,00
90PP-080-T09-9	298,00
90PP-100-T09-11	378,00
90PP-125-T09-13	490,00
90PP-040-T09-5	203,00
90PP-050-T09-7	243,00
90PP-063-T09-9	284,00
90PP-080-T09-12	359,00
90PP-100-T09-13	419,00
90PP-125-T09-15	530,00

Type B28 (Type 428): Catalogue 2017 Page II-56

Order-No.	Euro/Piece
90PP-032-428-4	183,00
90PP-040-428-16-4	183,00
90PP-040-428-22-5	230,00
90PP-050-428-5	230,00

Type B31 (Type 723): Catalogue 2017 Page II-62

Order-No.	Euro/Piece
90PP-040-723-3	275,00
90PP-050-723-4	296,00
90PP-063-723-5	326,00
90PP-080-723-6	398,00
90PP-100-723-7	449,00
90PP-125-723-9	571,00
90PP-160-723-11	673,00
90PP-050-723-5	316,00
90PP-063-723-6	357,00
90PP-080-723-7	428,00
90PP-100-723-9	479,00
90PP-125-723-11	602,00
90PP-160-723-13	704,00

Schafffräser

Shank type milling cutters, Fraises à queue, Frese a gambo weldon

Planfräser Face Mills, Fraises à surfaçer, Frese a spianare

Type A09 (Type 329): Catalogue 2017 Page III-6



Order-No.	Euro/Piece
45PP-22-329	203,00
45PP-25-329	211,00
45PP-28-329	249,00
45PP-32-329	257,00

Type A20: Catalogue 2017 - NEW



Order-No.	Euro/Piece
45PP-20-20-A20-2	172,00
45PP-25-25-A20-3	194,00
45PP-32-25-A20-4	209,00

Type A16 (Type 538): Catalogue 2017 Page III-4



Order-Nr.	Euro/Piece
45PP-20-20-538-2	175,00
45PP-25-25-538-2	181,00
45PP-32-25-538-3	202,00
45PP-32-32-538-3	207,00
45PP-25-25-538-3	198,00

Type C10 (Type 124): Catalogue 2017 Page III-2



Order-No.	Euro/Piece
00RN-28-124-2	191,00
00RN-32-124-2	191,00
00RN-36-124-25-3	209,00
00RN-40-124-25-3	219,00
00RN-36-124-32-3	209,00
00RN-40-124-32-3	219,00

Eckfräser Step Mills, Fraises à 90°, Frese per spallamenti retti 90°

Type B03 (Type 71): Catalogue 2017 Page III-12 + III-13



Order-No.	Euro/Piece
90PP-12-10-1	112,00
90PP-14-10-1	118,00
90PP-16-10-1	124,00
90PP-20-10-2	158,00
90PP-25-10-3	176,00
90PP-32-10-4	204,00
90PP-40-10-5	204,00
90PP-16-10-2	140,00
90PP-18-10-2	156,00
90PP-20-10-3	170,00
90PP-22-10-3	175,00
90PP-25-10-4	196,00
90PP-28-10-4	198,00
90PP-30-10-4	200,00
90PP-32-10-5	204,00
90PP-36-10-5	210,00
90PP-40-10-6	214,00
90PP-22-10-3-L	181,00
90PP-28-10-4-L	203,00
90PP-32-10-5-L	211,00

Type B13 (Type 77): Catalogue 2017 Page III-22 + III-23



Order-No.	Euro/Piece
90PP-14-77-1	124,00
90PP-16-77-1	128,00
90PP-18-77-1	132,00
90PP-20-77-2	157,00
90PP-22-77-2	160,00
90PP-25-77-2	164,00
90PP-28-77-2	167,00
90PP-30-77-2	171,00
90PP-32-77-3	177,00
90PP-36-77-3	184,00
90PP-25-77-3	180,00
90PP-28-77-3	184,00
90PP-30-77-3	191,00
90PP-32-77-4	198,00
90PP-36-77-4	202,00
90PP-25-77-3-L	184,00
90PP-28-77-3-L	191,00
90PP-32-77-4-L	201,00

Type B12 (Type 328): Catalogue 2017 Page III-8



Order-No.	Euro/Piece
90PP-22-328	170,00
90PP-25-328	195,00
90PP-28-328	198,00
90PP-32-328	203,00
90PP-25-328-L	203,00
90PP-28-328-L	207,00
90PP-32-328-L	224,00

Schafffräser

Shank type milling cutters, Fraises à queue, Frese a gambo weldon

Eckfräser Step Mills, Fraises à 90°, Frese per spallamenti retti 90°

Type B17 (Type 75): Catalogue 2017 Page III-16



Order-No.	Euro/Piece
90PP-20-32-75-2	160,00
90PP-20-50-75-2	161,00
90PP-22-33-75-3	182,00
90PP-25-38-75-3	184,00
90PP-25-60-75-3	190,00
90PP-28-42-75-4	210,00
90PP-30-45-75-4	213,00
90PP-32-48-75-3	196,00
90PP-32-60-75-3	199,00
90PP-36-48-75-5	221,00
90PP-40-48-75-5	227,00
90PP-20-30-75-3	177,00
90PP-25-38-75-4	203,00
90PP-32-48-75-5	219,00

Type B17 (Type 75): Catalogue 2017 Page III-17



Order-No.	Euro/Piece
90PP-20-75-2-150	170,00
90PP-25-75-2-170	174,00
90PP-32-75-3-195	195,00

Type B18 (Type 49): Catalogue 2017 Page III-28



Order-No.	Euro/Piece
90PP-25-38-49-2	154,00
90PP-28-42-49-2	164,00
90PP-30-45-49-2	172,00
90PP-32-48-49-3	202,00
90PP-36-48-49-3	203,00
90PP-40-48-49-4	231,00

Type B18 (Type 49): Catalogue 2017 Page III-29



Order-No.	Euro/Piece
90PP-25-49-2-170	207,00
90PP-32-49-2-195	218,00
90PP-40-49-3-195	253,00

Type B21 (Type 63): Catalogue 2017 Page III-10



Order-Nr.	Euro/Piece
90PP-10-15-63-2	139,00
90PP-12-18-63-2	141,00
90PP-14-24-63-3	154,00
90PP-16-22-63-3	158,00
90PP-20-30-63-4	196,00
90PP-25-37-63-5	214,00
90PP-32-46-63-7	251,00
90PP-16-22-63-4	191,00
90PP-20-30-63-5	211,00
90PP-25-37-63-7	248,00
90PP-32-46-63-9	285,00



Order-Nr.	Euro/Piece
90PP-12-63-2-120	154,00
90PP-14-63-3-140	164,00
90PP-16-63-3-160	168,00
90PP-18-63-4-180	171,00
90PP-20-63-4-200	206,00

Type B25 (Type 70): Catalogue 2017 Page III-26



Order-No.	Euro/Piece
90PP-20-32-70-2	144,00
90PP-20-50-70-2	144,00
90PP-25-42-70-2	144,00
90PP-25-60-70-3	168,00
90PP-32-48-70-3	168,00
90PP-32-60-70-3	168,00
90PP-25-42-70-3	168,00
90PP-32-48-70-4	189,00

Type B25 (Type 70): Catalogue 2017 Page III-26



Order-No.	Euro/Piece
90PP-20-70-2-150	167,00
90PP-25-70-2-170	171,00
90PP-32-70-3-195	191,00

Type B28 (Type 428): Catalogue 2017 Page III-32



Order-No.	Euro/Piece
90PP-14-24-428-2	152,00
90PP-16-22-428-2	152,00
90PP-20-30-428-3	183,00
90PP-25-40-428-3	183,00
90PP-32-44-428-4	203,00

Einschraubfräser

Threaded type cutters, Fraises à queue filetée, Frese a attacco filettato

Planfräser Face Mills, Fraises à surfaçer, Frese a spianare

Type C10 (Type 124): Catalogue 2017 Page IV-2



Order-No.	Euro/Piece
ESF-28-M12-124-2	152,00
ESF-32-M16-124-2	152,00
ESF-40-M16-124-3	162,00

Eckfräser Step Mills, Fraises à 90°, Frese per spallamenti retti 90°

Type B12 (Type 328): Catalogue 2017 Page IV-4



Order-No.	Euro/Piece
ESF-22-M10-328-2	156,00
ESF-25-M12-328-3	162,00
ESF-32-M16-328-4	181,00
ESF-40-M16-328-5	201,00

Type B13 (Type 77): Catalogue 2017 Page IV-14 + IV-15



Order-No.	Euro/Piece
ESF-20-M10-77-2	145,00
ESF-22-M10-77-2	145,00
ESF-25-M12-77-2	149,00
ESF-32-M16-77-3	172,00
ESF-35-M16-77-3	172,00
ESF-40-M16-77-3	176,00
ESF-50-M16-77-4	211,00
ESF-25-M12-77-3	170,00
ESF-28-M12-77-3	173,00
ESF-32-M16-77-4	195,00
ESF-35-M16-77-4	195,00
ESF-40-M16-77-5	201,00
ESF-50-M16-77-6	240,00

Type B17 (Type 75): Catalogue 2017 Page IV-8 + IV-9



Order-No.	Euro/Piece
ESF-20-27-M10-75-2	147,00
ESF-25-32-M12-75-3	170,00
ESF-32-32-M16-75-3	171,00
ESF-35-32-M16-75-4	175,00
ESF-40-32-M16-75-4	177,00
ESF-20-27-M10-75-3	168,00
ESF-25-32-M12-75-4	176,00
ESF-32-32-M16-75-5	192,00
ESF-35-32-M16-75-5	197,00
ESF-40-32-M16-75-6	205,00

Type B18 (Type 49): Catalogue 2017 Page IV-20



Order-No.	Euro/Piece
ESF-25-32-M12-49-2	164,00
ESF-32-42-M16-49-3	184,00
ESF-35-42-M16-49-3	218,00
ESF-40-42-M16-49-3	218,00

Type B19 (Type 429): Catalogue 2017 Page IV-24



Order-No.	Euro/Piece
90ESF-32-M16-429-2	218,00
90ESF-35-M16-429-2	218,00
90ESF-42-M16-429-3	281,00

Type B21 (Type 63): Catalogue 2017 Page IV-6



Order-Nr.	Euro/Piece
ESF-16-23-M8-63-4	164,00
ESF-20-28-M10-63-5	180,00
ESF-25-30-M12-63-7	218,00
ESF-32-35-M16-63-7	222,00
ESF-40-35-M16-63-9	255,00
ESF-32-35-M16-63-9	252,00
ESF-40-35-M16-63-11	289,00

Type B25 (Type 70): Catalogue 2017 Page IV-18



Order-No.	Euro/Piece
ESF-20-M10-70-2	144,00
ESF-25-M12-70-2	144,00
ESF-32-M16-70-3	168,00
ESF-35-M16-70-3	168,00
ESF-40-M16-70-3	168,00
ESF-25-M12-70-3	168,00
ESF-32-M16-70-4	189,00
ESF-35-M16-70-4	189,00
ESF-40-M16-70-5	210,00

Type B28 (Type 428): Catalogue 2017 Page IV-22



Order-No.	Euro/Piece
90ESF-14-M8-428-2	152,00
90ESF-16-M8-428-2	152,00
90ESF-20-M10-428-3	183,00
90ESF-25-M12-428-3	183,00
90ESF-32-M16-428-4	203,00

Entgratfräser

Deburring milling cutters, Fraises d'ébavurage, Frese per smussare

Type B10 (Type 84): Catalogue 2017 Page V-2



Order-No.	Euro/Piece
EF-30-84-2	169,00
EF-45-84-2	169,00
EF-60-84-2	169,00

Type L01 (Type 82): Catalogue 2017 Page V-4



Order-No.	Euro/Piece
EFA-10-82	118,00
EFA-15-82	118,00
EFA-22,5-82	118,00
EFA-30-82	118,00
EFA-45-82	118,00
EFA-60-82	118,00
EFA-75-82	118,00
EF-10-82	118,00
EF-15-82	118,00
EF-22,5-82	118,00
EF-30-82	118,00
EF-45-82	118,00
EF-60-82	118,00
EF-75-82	118,00

Zirkularfräser

Circular Mills, Fraises d'ébavurage, Frese per smussare

Type B12 (Type 328): Catalogue 2017 Page V-6



Order-No.	Euro/Piece
45ZF-08-328-1	125,00
45ZF-12-328-1	132,00
45ZF-16-328-2	149,00
45ZF-20-328-3	170,00
45ZF-25-328-3	176,00
45ZF-32-328-4	201,00

Type B12 (Type 328): Catalogue 2017 Page V-7



Order-No.	Euro/Piece
45ZF-40-328-5	246,00
45ZF-50-328-6	254,00
45ZF-63-328-7	316,00

Entgratringe

Deburring Rings, Fraises modulables d'ébavurage, Anello per smussare

Type B06 (Type 41): Catalogue 2017 Page V-10



Order-No.	Euro/Piece
ER 50-15-4 15°	214,00
ER 50-15-4 30°	214,00
ER 50-15-4 45°	214,00
ER 50-15-4 60°	214,00
ER 50-15-4 75°	214,00

Fasenfräser

Chamfering Mills, Fraises à chanfreiner, Frese per smussatura

Type B06 (Type 41): Catalogue 2017 Page V-12



Order-No.	Euro/Piece
ASF-35-30-14	351,00
ASF-35-45-20	351,00
ASF-39-60-25	351,00

Vielzahnfräser

Multi-tooth milling cutters, Fraises multi-dents (hérisson), Frese per scanalature e spallamenti retti

Type B03 (Type 71): Catalogue 2017 Page VI-2



Order-No.	Euro/Piece
VZF 25-20-2	198,00
VZF 28-20-2	216,00
VZF 32-40-2	337,00
VZF 16-19-1	132,00
VZF 20-19-2	191,00
VZF 25-29-2	220,00
VZF 32-48-3	508,00

Type B03 (Type 71): Catalogue 2017 Page VI-3



Order-No.	Euro/Piece
VZF 45-40-3 AD	489,00
VZF 28-29-3 AD	234,00
VZF 32-38-3 AD	381,00
VZF 40-48-4 AD	561,00
VZF 50-57-4 AD	667,00

Type B13 (Type 77): Catalogue 2017 Page VI-12



Order-No.	Euro/Piece
VZF 40-40-77-3 KD16	486,00
VZF 50-40-77-4 KD22	598,00
VZF 63-50-77-5 KD27	795,00

Type B13 (Type 77): Catalogue 2017 Page VI-13



Order-No.	Euro/Piece
VZF 25-32-25-77-2	286,00
VZF 28-32-25-77-2	309,00
VZF 32-43-25-77-2	334,00
VZF 32-43-32-77-2	342,00

Type B17 (Type 75): Catalogue 2017 Page VI-6



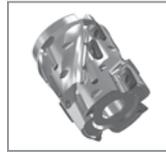
Order-No.	Euro/Piece
VZF 40-35-75-3 KD16	397,00
VZF 50-35-75-4 KD22	457,00
VZF 63-44-75-5 KD27	611,00
VZF 40-35-75-4 KD16	437,00

Type B17 (Type 75): Catalogue 2017 Page VI-7



Order-No.	Euro/Piece
VZF 20-18-20-75-2	243,00
VZF 25-27-25-75-2	265,00
VZF 28-27-25-75-2	269,00
VZF 32-44-25-75-3	406,00
VZF 32-44-32-75-3	406,00

Type B18 (Type 49): Catalogue 2017 Page VI-18



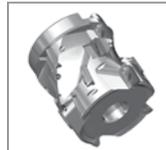
Order-No.	Euro/Piece
VZF-50-64-49-3 KD22	497,00
VZF-63-64-49-3 KD27	497,00
VZF-80-64-49-4 KD32	600,00
VZF-63-64-49-4 KD27	600,00
VZF-80-64-49-5 KD32	727,00

Type B18 (Type 49): Catalogue 2017 Page VI-19



Order-No.	Euro/Piece
VZF-32-48-25-49-2	345,00
VZF-32-48-32-49-2	345,00
VZF-40-64-32-49-2	403,00
VZF-40-64-32-49-3	485,00

Type B25 (Type 70): Catalogue 2017 Page VI-16



Order-No.	Euro/Piece
VZF 40-42-70-3 KD16	449,00
VZF 50-42-70-3 KD22	449,00
VZF 63-55-70-4 KD27	599,00

Type B25 (Type 70): Catalogue 2017 Page VI-16



Order-No.	Euro/Piece
VZF 25-42-25-70-2	260,00
VZF 28-42-25-70-2	260,00
VZF 32-55-25-70-2	295,00
VZF 32-55-32-70-2	295,00

Type B27 (Type T09): Catalogue 2017 Page VI-22



Order-No.	Euro/Piece
VZF-50-54-T09-3 KD22	365,00
VZF-63-54-T09-4 KD27	467,00



Order-No.	Euro/Piece
VZF-40-53-32-T09-2	287,00

Schaft-Schrupp-System

Shank-Roughing-Milling system, Système modulaire d'ébauche, Sistema modulare di fresatura

Catalogue 2017 Page VII-2



Order-No.	Euro/Piece
GK 40	118,00
GK 50	189,00
GK 40 A	146,00
GK 50 A	194,00
GK 40 BT	146,00
GK 50 BT	199,00
GK-HSK-63-A	313,00
GK-HSK-80-A	348,00
GK-HSK-100-A	393,00

Type B06 (Type 41): Catalogue 2017 Page VII-3



Order-No.	Euro/Piece
AD 38-30	103,00
AD 38-65	105,00
AD 38-100	113,00
AD 48-30	105,00
AD 48-65	106,00
AD 48-100	110,00
AD 48-150	122,00
AD 61-30	110,00
AD 61-65	111,00
AD 61-100	124,00
AD 61-150	131,00
AD 61-200	144,00
AD 78-30	123,00
AD 78-65	124,00
AD 78-100	152,00

Type B12 (Type 328): Catalogue 2017 Page VII-4



Order-No.	Euro/Piece
AD 40-30-328	111,00
AD 40-65-328	115,00
AD 40-100-328	119,00
AD 50-30-328	112,00
AD 50-65-328	117,00
AD 50-100-328	121,00
AD 63-30-328	118,00
AD 63-65-328	121,00
AD 63-100-328	125,00

Catalogue 2017 Page VII-4



Order-No.	Euro/Piece
AD 78-50 AD	125,00

Catalogue 2017 Page VII-4



Order-No.	Euro/Piece
AD 50-22	88,00
Order-No.	Euro/Piece
DS 50	15,35

Type B06 (Type 41): Catalogue 2017 Page VII-5



Order-No.	Euro/Piece
FR 40-15-2	172,00
FR 50-15-2	175,00
FR 63-15-2	204,00
FR 80-15-4	246,00

Type B06 (Type 41): Catalogue 2017 Page VII-6



Order-No.	Euro/Piece
FR 50-15-2 HO	175,00
FR 63-15-2 HO	204,00
FR 50-15-4 HO	211,00
FR 63-15-4 HO	238,00

Type B06 (Type 41): Catalogue 2017 Page VII-7



Order-No.	Euro/Piece
FR 40-15-4	174,00
FR 50-15-4	211,00
FR 63-15-4	238,00

Type B12 (Type 328): Catalogue 2017 Page VII-10



Order-No.	Euro/Piece
FR 40-328-3	200,00
FR 50-328-4	214,00
FR 63-328-4	228,00
FR 40-328-3 HO	235,00
FR 50-328-4 HO	246,00
FR 63-328-4 HO	287,00

Catalogue 2017 Page VII-12 + VII-13



Order-No.	Euro/Piece
KS 10	9,65
KS 30	9,65
KS 40	19,15
KS 50	21,50
KS 60	18,30
KS 80	21,50
KS 100	21,40
KS 140	22,60
KS 150	19,35
KS 160	22,60
KS 170	20,40
KS 180	19,35
KS 190	20,40
KS 200	20,40
KS 210	20,40
KS 220	20,40
KS 230	20,40
KS 250	29,25

Fräser für den Werkzeug- und Formenbau

Milling cutters for tool and die production, Fraises pour l'outillage et le moule,

Frese per la costruzione d'utensili e per stampi

Type B06 (Type 41): Catalogue 2017 Page VIII-2 + VIII-3



Order-No.	Euro/Piece
KKUK-16-15	133,00
KKUL -16-15	135,00
KKUK-20-15	133,00
KKUL-20-15	135,00

Type B15 (Type 422): Catalogue 2017 Page VIII-8



Order-No.	Euro/Piece
90PP-052-422-4	226,00
90PP-066-422-5	269,00
90PP-080-422-6	323,00



Order-No.	Euro/Piece
90ESF-25-M12-422-2	171,00
90ESF-35-M16-422-3	184,00
90ESF-42-M16-422-3	199,00
90ESF-42-M16-422-4	211,00

Type B14 (Type 421): Catalogue 2017 Page VIII-4



Order-No.	Euro/Piece
90ESF-15-M8-421-2	149,00
90ESF-16-M8-421-2	149,00
90ESF-20-M10-421-3	156,00
90ESF-25-M12-421-3	162,00
90ESF-35-M16-421-4	174,00
90ESF-42-M16-421-5	191,00

Type B15 (Type 422): Catalogue 2017 Page VIII-10



Order-No.	Euro/Piece
91PP-052-422-4	226,00
91PP-066-422-5	269,00
91PP-080-422-6	323,00



Order-No.	Euro/Piece
91ESF-25-M12-422-2	171,00
91ESF-35-M16-422-3	184,00
91ESF-42-M16-422-3	199,00

Type B14 (Type 421): Catalogue 2017 Page VIII-6



Order-No.	Euro/Piece
91ESF-16-M8-421-2	149,00
91ESF-20-M10-421-3	156,00
91ESF-25-M12-421-3	162,00
91ESF-35-M16-421-4	174,00
91ESF-42-M16-421-5	191,00

Fräser für den Werkzeug- und Formenbau

Milling cutters for tool and die production, Fraises pour l'outillage et le moule, Frese per la costruzione d'utensili e per stampi

Type C05 (Type 506): Catalogue 2017 Page VIII-12



Order-No.	Euro/Piece
KSF-14-040-506	113,00
KSF-14-060-506	133,00
KSF-14-080-506	143,00
KSF-18-060-506	113,00
KSF-18-080-506	122,00

Type C06 (Type 508): Catalogue 2017 Page VIII-14



Order-No.	Euro/Piece
KAF-035-508-5	177,00
KAF-042-508-5	193,00
KAF-035-508-6	193,00
KAF-042-508-6	203,00
KAF-042-508-7	230,00

Type C06 (Type 508): Catalogue 2017 Page VIII-15



Order-No.	Euro/Piece
KSF-20-050-508	115,00
KSF-20-080-508	122,00
KSF-25-080-508	122,00

Type C06 (Type 508): Catalogue 2017 Page VIII-16



Order-No.	Euro/Piece
KEF-16-28-M8-508-2	107,00
KEF-18-28-M8-508-2	109,00
KEF-20-28-M10-508-2	111,00
KEF-25-28-M12-508-4	180,00
KEF-30-28-M16-508-5	202,00
KEF-35-28-M16-508-6	224,00
KEF-42-28-M16-508-7	233,00
KEF-20-28-M10-508-3	126,00

Type C07 (Type 510): Catalogue 2017 Page VIII-20



Order-No.	Euro/Piece
KAF-042-510-5	195,00
KAF-052-510-6	248,00
KAF-042-510-6	206,00
KAF-052-510-7	263,00

Type C07 (Type 510): Catalogue 2017 Page VIII-20



Order-No.	Euro/Piece
KSF-25-050-510	117,00
KSF-25-080-510	123,00
KSF-25-115-510	128,00

Type C07 (Type 510): Catalogue 2017 Page VIII-21



Order-No.	Euro/Piece
KEF-20-28-M10-510-2	117,00
KEF-25-32-M12-510-2	121,00
KEF-30-32-M16-510-4	159,00
KEF-35-42-M16-510-5	200,00
KEF-42-42-M16-510-5	215,00
KEF-25-32-M12-510-3	123,00
KEF-42-42-M16-510-6	224,00

Type C08 (Type 512): Catalogue 2017 Page VIII-24



Order-No.	Euro/Piece
KAF-052-512-4	218,00
KAF-066-512-5	234,00
KAF-080-512-7	271,00
KAF-042-512-4	188,00
KAF-052-512-5	233,00
KAF-066-512-6	246,00

Type C08 (Type 512): Catalogue 2017 Page VIII-25



Order-No.	Euro/Piece
KEF-24-32-M12-512-2	123,00
KEF-25-32-M12-512-2	126,00
KEF-32-42-M16-512-3	132,00
KEF-35-42-M16-512-3	155,00
KEF-42-42-M16-512-4	211,00
KEF-52-42-M16-512-5	239,00
KEF-35-42-M16-512-4	174,00

Type C09 (Type 516): Catalogue 2017 Page VIII-28



Order-No.	Euro/Piece
KAF-080-516-5	269,00
KAF-100-516-6	325,00
KAF-125-516-8	445,00
KAF-160-516-10	610,00
KAF-052-516-5	260,00
KAF-066-516-5	261,00
KAF-080-516-6	286,00
KAF-100-516-7	342,00

Type C09 (Type 516): Catalogue 2017 Page VIII-29



Order-No.	Euro/Piece
KEF-32-42-M16-516-2	156,00
KEF-35-42-M16-516-2	156,00
KEF-42-42-M16-516-3	195,00

Fräser für Hochvorschubfräsen HFC

High feed milling cutters, Fraises grande avance, Frese a forte avanzamento

Type A11 (Type 540): Catalogue 2017 Page IX-2



Order-No.	Euro/Piece
00PP-040-540-4	283,00
00PP-042-540-4	289,00
00PP-050-540-4	333,00
00PP-052-540-4	338,00
00PP-063-540-5	372,00
00PP-066-540-5	378,00
00PP-050-540-5	340,00
00PP-052-540-5	345,00
00PP-063-540-7	392,00
00PP-066-540-7	415,00

Type A11 (Type 540): Catalogue 2017 Page IX-3



Order-No.	Euro/Piece
00PP-20-540-2-80	202,00
00PP-22-540-2-80	207,00
00PP-25-540-3-80	212,00
00PP-25-540-3-125	216,00
00PP-32-540-3-80	216,00
00PP-32-540-3-125	221,00
00PP-40-540-4-80	249,00
00PP-40-540-4-125	254,00



Order-No.	Euro/Piece
00PP-20-540-2-160	212,00
00PP-22-540-2-160	216,00
00PP-25-540-3-170	221,00
00PP-32-540-3-195	227,00
00PP-40-540-4-195	260,00

Type A11 (Type 540): Catalogue 2017 Page IX-4



Order-No.	Euro/Piece
ESF-20-M10-540-2	182,00
ESF-22-M10-540-2	187,00
ESF-25-M12-540-3	207,00
ESF-32-M16-540-3	210,00
ESF-35-M16-540-3	214,00
ESF-40-M16-540-4	234,00
ESF-42-M16-540-4	239,00
ESF-32-M16-540-4	222,00
ESF-35-M16-540-4	227,00
ESF-40-M16-540-5	247,00
ESF-42-M16-540-5	251,00

Type A12 (Type 545): Catalogue 2017 Page IX-6



Order-No.	Euro/Piece
00PP-050-545-4	333,00
00PP-052-545-4	338,00
00PP-063-545-5	372,00
00PP-066-545-5	378,00
00PP-080-545-5	404,00
00PP-100-545-6	459,00
00PP-125-545-7	538,00
00PP-160-545-8	631,00
00PP-052-545-5	345,00
00PP-063-545-6	392,00
00PP-066-545-6	415,00
00PP-080-545-6	426,00

Type A12 (Type 545): Catalogue 2017 Page IX-7



Order-No.	Euro/Piece
ESF-32-M16-545-3	222,00
ESF-35-M16-545-3	227,00
ESF-40-M16-545-4	247,00
ESF-42-M16-545-4	251,00

Type A17 (Type 09): Catalogue 2017 Page IX-16



Order-No.	Euro/Piece
00PP-040-09-4	196,00
00PP-042-09-4	200,00
00PP-050-09-5	224,00
00PP-052-09-5	228,00
00PP-063-09-5	273,00
00PP-066-09-5	277,00
00PP-042-09-5	220,00
00PP-050-09-6	245,00
00PP-052-09-6	249,00
00PP-063-09-7	314,00
00PP-066-09-7	318,00

Type A17 (Type 09): Catalogue 2017 Page IX-17



Order-No.	Euro/Piece
00PP-20-09-2-80	164,00
00PP-22-09-2-80	168,00
00PP-22-09-2-125	182,00
00PP-25-09-3-80	193,00
00PP-25-09-3-125	206,00
00PP-32-09-3-80	197,00
00PP-32-09-3-125	210,00
00PP-35-09-3-80	201,00
00PP-35-09-3-125	214,00

Type A17 (Type 09): Catalogue 2017 Page IX-18



Order-No.	Euro/Piece
00PP-20-16-09-2-160	195,00
00PP-22-20-09-2-160	199,00
00PP-25-20-09-3-170	223,00
00PP-32-25-09-3-195	227,00
00PP-35-25-09-3-195	232,00

Type A17 (Type 09): Catalogue 2017 Page IX-19



Order-No.	Euro/Piece
ESF-20-M10-09-2	106,00
ESF-22-M10-09-2	110,00
ESF-25-M12-09-2	114,00
ESF-32-M16-09-3	139,00
ESF-35-M16-09-3	143,00
ESF-42-M16-09-4	167,00
ESF-25-M12-09-3	135,00
ESF-32-M16-09-4	159,00
ESF-35-M16-09-4	163,00
ESF-42-M16-09-5	188,00

Fräser für Hochvorschubfräsen HFC

High feed milling cutters, Fraises grande avance, Frese a forte avanzamento

Type A18 (Type 12): Catalogue 2017 Page IX-22



Order-No.	Euro/Piece
00PP-040-12-3	175,00
00PP-042-12-3	180,00
00PP-050-12-4	204,00
00PP-052-12-4	208,00
00PP-063-12-5	233,00
00PP-066-12-5	237,00
00PP-080-12-5	241,00
00PP-100-12-6	265,00
00PP-040-12-4	196,00
00PP-042-12-4	200,00
00PP-050-12-5	224,00
00PP-052-12-5	228,00
00PP-063-12-6	253,00
00PP-066-12-6	257,00
00PP-080-12-7	282,00
00PP-100-12-8	306,00

Type A18 (Type 12): Catalogue 2017 Page IX-23



Order-No.	Euro/Piece
00PP-32-12-2-80	176,00
00PP-32-12-2-125	190,00
00PP-35-12-3-80	201,00
00PP-35-12-3-125	214,00

Type A18 (Type 12): Catalogue 2017 Page IX-24



Order-No.	Euro/Piece
00PP-32-25-12-2-195	214,00
00PP-35-25-12-3-195	239,00

Type A18 (Type 12): Catalogue 2017 Page IX-25



Order-No.	Euro/Piece
ESF-32-M16-12-2	118,00
ESF-35-M16-12-2	122,00
ESF-42-M16-12-3	147,00
ESF-35-M16-12-3	143,00
ESF-42-M16-12-4	167,00

Type A19 (Type 19): Catalogue 2017 Page IX-28



Order-No.	Euro/Piece
00PP-063-19-3	230,00
00PP-066-19-3	230,00
00PP-080-19-5	274,00
00PP-100-19-6	299,00
00PP-125-19-7	323,00
00PP-063-19-4	250,00
00PP-066-19-4	250,00
00PP-080-19-6	295,00
00PP-100-19-7	319,00
00PP-125-19-8	344,00

Type B24 (Type 542): Catalogue 2017 Page IX-10



Order-No.	Euro/Piece
00PP-032-542-5	192,00
00PP-035-542-5	192,00
00PP-040-16-542-6	210,00
00PP-040-542-6	210,00
00PP-042-16-542-6	210,00
00PP-042-542-6	210,00
00PP-050-542-7	252,00
00PP-052-542-7	252,00

Type B24 (Type 542): Catalogue 2017 Page IX-11



Order-No.	Euro/Piece
00PP-16-542-2-60	156,00
00PP-20-542-3-80	172,00
00PP-25-542-4-80	193,00
00PP-32-542-5-80	210,00

Type B24 (Type 542): Catalogue 2017 Page IX-12



Order-No.	Euro/Piece
00PP-16-14-542-2-160	171,00
00PP-20-18-542-3-200	203,00
00PP-22-20-542-3-200	203,00
00PP-25-20-542-4-200	227,00
00PP-32-25-542-5-200	243,00

Type B24 (Type 542): Catalogue 2017 Page IX-13



Order-No.	Euro/Piece
ESF-16-M8-542-2	113,00
ESF-18-M8-542-2	113,00
ESF-20-M10-542-3	123,00
ESF-22-M10-542-3	123,00
ESF-25-M12-542-4	138,00
ESF-32-M16-542-5	160,00
ESF-35-M16-542-5	160,00
ESF-40-M16-542-6	176,00
ESF-42-M16-542-6	176,00

Spezialfräser

Special milling cutters, Fraises spéciales, Frese speciali

Type B09 (Type 65): Catalogue 2017 Page X-2



Order-No.	Euro/Piece
VS 90-M6-65	118,00
VS 90-M8-65	122,00
VS 90-M10-65	136,00

Type B10 (Type 84): Catalogue 2017 Page X-4



Order-No.	Euro/Piece
VS 90-M12-84	157,00
VS 90-M16-84	179,00
VS 90-M20-84	198,00
VS 90-M24-84	207,00

Type B09 (Type 65): Catalogue 2017 Page X-6



Order-No.	Euro/Piece
90TN-21-09-65-2	284,00
90TN-25-11-65-2	291,00

Type B12 (Type 328): Catalogue 2017 Page X-8



Order-No.	Euro/Piece
90TN-32-14-328-2	340,00
90TN-40-16-328-2	349,00
90TN-50-21-328-2	416,00

Scheibenfräser 91-98

Side milling cutter, Fraise 3 tailles, Fresa a disco

Type Sxx: Catalogue 2017 Page XI-2 + XI-3



Order-No.	Euro/Piece
SF 063-04-4	506,00
SF 063-05-4	506,00
SF 063-06-4	506,00
SF 080-04-5	596,00
SF 080-05-5	596,00
SF 080-06-5	596,00
SF 080-07-4	596,00
SF 080-08-4	596,00
SF 080-09-4	596,00
SF 080-10-4	596,00
SF 080-12-4	596,00
SF 100-04-7	661,00
SF 100-05-7	661,00
SF 100-06-7	661,00
SF 100-07-5	661,00
SF 100-08-5	661,00
SF 100-09-5	661,00
SF 100-10-5	661,00
SF 100-12-5	661,00
SF 125-04-9	879,00
SF 125-05-9	879,00
SF 125-06-9	879,00
SF 125-07-6	879,00
SF 125-08-6	879,00
SF 125-09-6	879,00
SF 125-10-6	879,00
SF 125-12-6	879,00
SF 160-04-11	1.003,00
SF 160-05-11	1.003,00
SF 160-06-11	1.003,00
SF 160-07-8	1.003,00
SF 160-08-8	1.003,00
SF 160-09-8	1.003,00
SF 160-10-8	1.003,00
SF 160-12-8	1.003,00
SF 200-07-10	1.268,00
SF 200-08-10	1.268,00
SF 200-09-10	1.268,00
SF 200-10-10	1.268,00
SF 200-12-10	1.268,00
SF 250-08-12	1.556,00
SF 250-09-12	1.556,00

Type Sxx: Catalogue 2017 Page XI-4 + XI-5



Order-No.	Euro/Piece
SFA 063-04-4	568,00
SFA 063-05-4	568,00
SFA 063-06-4	568,00
SFA 080-04-5	645,00
SFA 080-05-5	645,00
SFA 080-06-5	645,00
SFA 080-07-4	645,00
SFA 080-08-4	645,00
SFA 080-09-4	645,00
SFA 080-10-4	645,00
SFA 080-12-4	645,00
SFA 100-04-7	743,00
SFA 100-05-7	743,00
SFA 100-06-7	743,00
SFA 100-07-5	743,00
SFA 100-08-5	743,00
SFA 100-09-5	743,00
SFA 100-10-5	743,00
SFA 100-12-5	743,00
SFA 125-04-9	979,00
SFA 125-05-9	979,00
SFA 125-06-9	979,00
SFA 125-07-6	979,00
SFA 125-08-6	979,00
SFA 125-09-6	979,00
SFA 125-10-6	979,00
SFA 125-12-6	979,00
SFA 160-05-11	1.116,00
SFA 160-06-11	1.116,00
SFA 160-07-8	1.116,00
SFA 160-08-8	1.116,00
SFA 160-09-8	1.116,00
SFA 160-10-8	1.116,00
SFA 160-12-8	1.116,00

Scheibenfräser T09

Side milling cutter, Fraise 3 tailles, Fresa a disco

Type B27 (Type T09): Catalogue 2017 Page XI-10



Order-No.	Euro/Piece
SF 125-14-6	879,00
SF 125-16-6	879,00
SF 125-18-6	879,00
SF 160-14-8	1.003,00
SF 160-16-8	1.003,00
SF 160-18-8	1.003,00
SF 200-18-9	1.268,00

Type B27 (Type T09): Catalogue 2017 Page XI-11



Order-No.	Euro/Piece
SFA 125-14-6	979,00
SFA 125-16-6	979,00
SFA 125-18-6	979,00
SFA 160-14-8	1.116,00
SFA 160-16-8	1.116,00
SFA 160-18-8	1.116,00

Bohrwerkzeuge

Drilling tools, Foret de perçage, Utensile di foratura

Type D01 (BP 04): Catalogue 2017 Page XII-2



Order-No.	Euro/Piece
BW-14-42-20-04	203,00
BW-14,5-45-20-04	203,00
BW-15-45-20-04	203,00
BW-15,5-48-20-04	203,00
BW-16-48-20-04	203,00

Type D02 (BP 05): Catalogue 2017 Page XII-4



Order-No.	Euro/Piece
BW-16,5-51-20-05	203,00
BW-17-51-20-05	203,00
BW-17,5-54-20-05	203,00
BW-18-54-20-05	203,00

Type D03 (BP 06): Catalogue 2017 Page XII-6



Order-No.	Euro/Piece
BW-18,5-57-25-06	203,00
BW-19-57-25-06	203,00
BW-19,5-60-25-06	203,00
BW-20-60-25-06	230,00
BW-20,5-63-25-06	230,00

Type D04 (BP 07): Catalogue 2017 Page XII-8



Order-No.	Euro/Piece
BW-21-63-25-07	230,00
BW-21,5-63-25-07	230,00
BW-22-66-25-07	230,00
BW-22,5-69-25-07	230,00
BW-23-69-25-07	230,00
BW-23,5-72-25-07	230,00
BW-24-72-25-07	230,00

Type D05 (BP 08): Catalogue 2017 Page XII-10



Order-No.	Euro/Piece
BW-24,5-75-32-08	230,00
BW-25-75-32-08	244,00
BW-25,5-78-32-08	244,00
BW-26-78-32-08	244,00
BW-26,5-81-32-08	244,00
BW-27-81-32-08	244,00
BW-28-84-32-08	244,00

Type D06 (BP 10): Catalogue 2017 Page XII-12

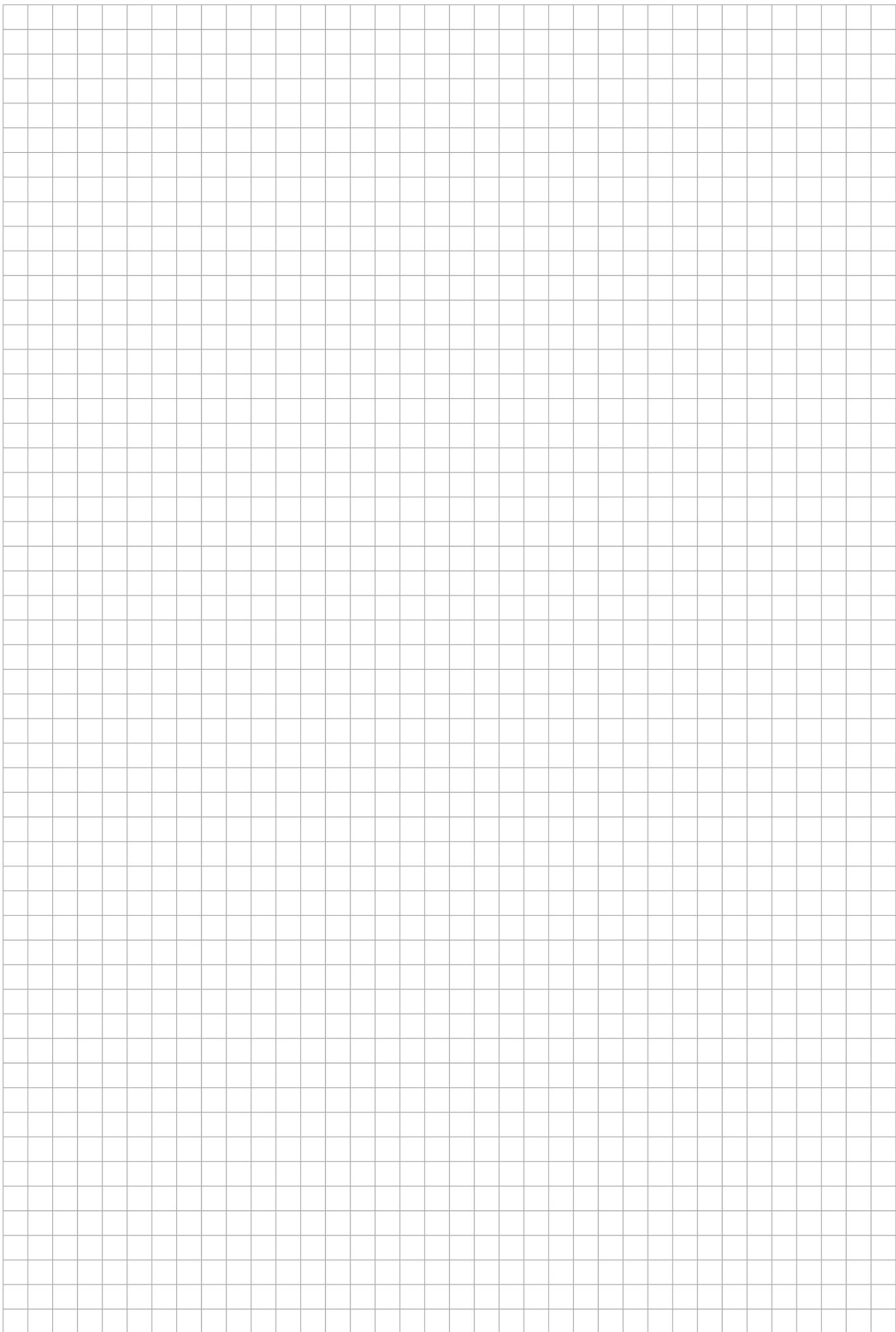


Order-No.	Euro/Piece
BW-29-87-32-10	244,00
BW-30-90-32-10	244,00
BW-31-93-32-10	244,00
BW-32-96-32-10	244,00
BW-33-99-32-10	244,00
BW-34-102-32-10	244,00

Type D07 (BP 12): Catalogue 2017 Page XII-14



Order-No.	Euro/Piece
BW-35-105-40-12	244,00
BW-36-108-40-12	244,00
BW-37-111-40-12	285,00
BW-38-114-40-12	285,00
BW-39-117-40-12	285,00
BW-40-120-40-12	285,00
BW-41-123-40-12	285,00
BW-42-126-40-12	285,00
BW-43-129-40-12	285,00
BW-44-132-40-12	285,00



Fräswendepplatten

Tungsten carbide inserts, Plaquettes de fraissage, Inserti

A01 WP-Gruppe (113) Group of inserts, Groupe plaquettes de fraissage, Gruppo inserti

Catalogue 2017 Page II-18



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-111-HT32	9,65
JMA01-111-HT45	8,90
JMA01-111-HT50	8,90



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-112-HT50	8,90



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-113-HT32	10,30
JMA01-113-HT45	9,45
JMA01-113-HT50	9,45



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-114-HT50	9,45
JMA01-114-Ti20	10,30



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-115-HT50	9,45
JMA01-115-Ti20	10,30



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-116-HT50	9,55
JMA01-116-KT28	9,85
JMA01-116-Ti20	10,55



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-117-CT10	15,75
JMA01-117-HT50	12,75
JMA01-117-KT28	12,75



12,7x12,7x4,76

Order-No.	Euro/Piece
JMA01-215-HS20	10,70
JMA01-215-HT35	12,05
JMA01-215-HT50	12,05
JMA01-215-Ti20	13,00

A02 WP-Gruppe (34) Group of inserts, Groupe plaquettes de fraissage, Gruppo inserti

Catalogue 2017 Page XIII-1



12,7x12,7x5,0

Order-No.	Euro/Piece
JMA02-33-HT50	10,60
JMA02-33-Ti20	11,15



12,7x12,7x5,0

Order-No.	Euro/Piece
JMA02-34-TA50	13,35



12,7x12,7x5,0 R=1,2

Order-No.	Euro/Piece
JMA02-35R12-HT50	9,00
JMA02-35R12-Ti20	9,60



12,6x12,6x4,66 R=1,2

Order-No.	Euro/Piece
JMA02-35SR12-HT50	9,95



12,6x12,6x4,6

Order-No.	Euro/Piece
JMA02-233-HS20	10,20
JMA02-233-TA50	11,65

A09 WP-Gruppe (329) Group of inserts, Groupe plaquettes de fraissage, Gruppo inserti

Catalogue 2017 Page II-15, III-7



9,0x9,0x3,97

Order-No.	Euro/Piece
JMA09-329-HT32	8,40
JMA09-329-HT45	8,00
JMA09-329-HT50	8,00



9,0x9,0x3,97

Order-No.	Euro/Piece
JMA09-331-HT50	8,05



9,0x9,0x3,97

Order-No.	Euro/Piece
JMA09-339-HT35	9,75
JMA09-339-HT45	9,75
JMA09-339-K15M	9,75



9,0x9,0x3,97

Order-No.	Euro/Piece
JMA09-349-HT20	8,15

A10 WP-Gruppe (525) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-7



IK 14,7 x 4,9

Order-No.	Euro/Piece
JMA10-520-HT50	9,75



IK 14,7 x 4,9

Order-No.	Euro/Piece
JMA10-525-HT45	10,40
JMA10-525-HT50	10,40
JMA10-525-KT28	10,40



IK 14,7 x 4,9

Order-No.	Euro/Piece
JMA10-526-HT45	12,50
JMA10-526-HT50	12,50
JMA10-526-KT28	12,50



IK 14,7 x 4,9

Order-No.	Euro/Piece
JMA10-528-AL10	12,50
JMA10-528-HT35	12,50
JMA10-528-K15M	9,95



IK 14,7 x 4,9

Order-No.	Euro/Piece
JMA10-529-HT30	12,55
JMA10-529-HT32	12,55
JMA10-529-HT50	12,55

A11 WP-Gruppe (540) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page IX-5



IK 7,85 x 3,0

Order-No.	Euro/Piece
JMA11-540-HT50	8,45
JMA11-540-KT28	8,60
JMA11-540-XC35	9,50



IK 7,85 x 3,0

Order-No.	Euro/Piece
JMA11-541-HT32	8,10
JMA11-541-HT45	8,10



IK 7,85 x 3,0

Order-No.	Euro/Piece
JMA11-640-HT30	8,45
JMA11-640-HT32	8,45
JMA11-640-HT45	8,45
JMA11-640-HT50	8,45
JMA11-640-XC35	9,50

A12 WP-Gruppe (545) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page IX-8



IK 12,0 x 5,0

Order-No.	Euro/Piece
JMA12-545-HT50	10,50
JMA12-545-KT28	10,60
JMA12-545-XC35	11,55



IK 12,0 x 5,0

Order-No.	Euro/Piece
JMA12-546-HT32	10,05
JMA12-546-HT45	10,05



IK 12,0 x 5,0

Order-No.	Euro/Piece
JMA12-645-HT30	10,50
JMA12-645-HT32	10,50
JMA12-645-HT45	10,50
JMA12-645-HT50	10,50
JMA12-645-XC35	11,55

A13 WP-Gruppe (140) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page II-22 & 23



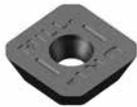
14,3 x 14,3 x 4,0

Order-No.	Euro/Piece
JMA13-140-HT30	9,60
JMA13-140-HT32	9,60
JMA13-140-HT50	9,60
JMA13-140-K15M	8,60



14,3 x 14,3 x 4,0

Order-No.	Euro/Piece
JMA13-240-HT32	8,50
JMA13-240-HT45	8,50
JMA13-240-K15M	7,70



14,3 x 14,3 x 4,0

Order-No.	Euro/Piece
JMA13-141-CT10	19,15
JMA13-141-HT50	13,15
JMA13-141-KT28	13,15



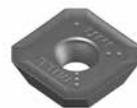
14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-142-HT32	10,20
JMA13-142-HT45	10,20
JMA13-142-HT50	10,20
JMA13-142-KT28	10,20



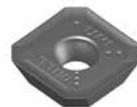
14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-242-HT20	9,05
JMA13-242-HT32	9,05
JMA13-242-HT45	9,05



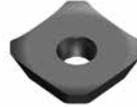
14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-145-HT45	10,20
JMA13-145-HT50	10,20
JMA13-145-KT28	10,20



14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-245-HT20	9,05
JMA13-245-HT45	9,05



14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-146-HT35	11,65
JMA13-146-HT50	11,65
JMA13-146-K15M	11,65
JMA13-146-XC35	12,70



14,3 x 14,3 x 3,9

Order-No.	Euro/Piece
JMA13-147-HT20	22,20

Catalogue 2017 Page II-24



Order-No.	Euro/Piece
UP 140	5,85

A14 WP-Gruppe (558) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page II-13



IK 20 x 7,64

Order-No.	Euro/Piece
JMA14-458-HT20	14,30
JMA14-458-HT32	14,30
JMA14-458-HT45	14,30



IK 20 x 7,64

Order-No.	Euro/Piece
JMA14-558-HT45	14,95
JMA14-558-HT50	14,95
JMA14-558-KT28	14,95



IK 20 x 7,64

Order-No.	Euro/Piece
JMA14-858-HT20	19,90
JMA14-858-HT32	19,90
JMA14-858-HT45	19,90

A15 WP-Gruppe (554) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-11



IK 16,2 x 7,1

Order-No.	Euro/Piece
JMA15-454-HT20	16,60
JMA15-454-HT32	16,60
JMA15-454-HT45	16,60



IK 16,2 x 7,1

Order-No.	Euro/Piece
JMA15-554-HT20	16,60
JMA15-554-HT32	16,60
JMA15-554-HT45	16,60



IK 16,2 x 7,1

Order-No.	Euro/Piece
JMA15-754-HT20	14,15
JMA15-754-HT32	14,15
JMA15-754-HT45	14,15

A16 WP-Gruppe (538) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-9, III-5



IK 11,4 x 5,2

Order-Nr.	Euro/Piece
JMA16-538-HT20	9,45
JMA16-538-HT32	9,45
JMA16-538-HT45	9,45



IK 11,4 x 5,2

Order-Nr.	Euro/Piece
JMA16-738-HC30	14,25
JMA16-738-HC45	14,25
JMA16-738-XC35	16,00



IK 11,4 x 5,2

Order-Nr.	Euro/Piece
JMA16-838-HT20	12,70
JMA16-838-HT32	12,70
JMA16-838-HT45	12,70

A17 WP-Gruppe (09) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page IX-20



IK ø9,6x4,0 R0,8

Order-No.	Euro/Piece
JMA17-09HR08-HT20	8,20
JMA17-09HR08-HT32	8,20
JMA17-09HR08-HT45	8,20
JMA17-09HR08-XC35	9,95



IK ø9,6x4,0 R0,8

Order-No.	Euro/Piece
JMA17-09SR08-HT20	8,20
JMA17-09SR08-HT32	8,20
JMA17-09SR08-HT45	8,20



IK ø9,6x4,0 R0,8

Order-No.	Euro/Piece
JMA17-09MR08-HC30	8,20
JMA17-09MR08-HC45	8,20
JMA17-09MR08-HT20	8,20

A18 WP-Gruppe (12) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page IX-26



IK ø12,7x5,0 R1,0

Order-No.	Euro/Piece
JMA18-12HR10-HT20	10,30
JMA18-12HR10-HT32	10,30
JMA18-12HR10-HT45	10,30
JMA18-12HR10-XC35	11,95



IK ø12,7x5,0 R1,0

Order-No.	Euro/Piece
JMA18-12SR10-HT20	10,30
JMA18-12SR10-HT32	10,30
JMA18-12SR10-HT45	10,30



IK ø12,7x5,0 R1,0

Order-No.	Euro/Piece
JMA18-12MR10-HC30	10,30
JMA18-12MR10-HC45	10,30
JMA18-12MR10-HT20	10,30

A19 WP-Gruppe (19) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page IX-29



IK ø19,1x6,7 R1,2

Order-No.	Euro/Piece
JMA19-19HR12-HT20	16,85
JMA19-19HR12-HT32	16,85
JMA19-19HR12-HT45	16,85



IK ø19,1x6,7 R1,2

Order-No.	Euro/Piece
JMA19-19SR12-HT20	16,85
JMA19-19SR12-HT32	16,85
JMA19-19SR12-HT45	16,85

A20 WP-Gruppe *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 - NEW!



IK ø9,0x4,48 R0,6

Order-Nr.	Euro/Piece
JMA20-534-HC20	7,20
JMA20-534-HC30	7,20
JMA20-534-HC45	7,20

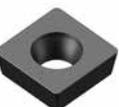


IK ø9,0x4,48 R0,6

Order-Nr.	Euro/Piece
JMA20-834-HC20	10,60
JMA20-834-HC45	10,60
JMA20-834-XC35	11,60

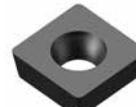
B01 WP-Gruppe (27) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-31



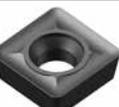
12,7x12,7x4,76 R=0,8

Order-No.	Euro/Piece
JMB01-25R08-HT50	8,75
JMB01-25R08-KT28	9,10



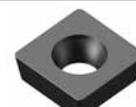
12,7x12,7x4,76 R=0,8

Order-No.	Euro/Piece
JMB01-27R08-HT20	11,15
JMB01-27R08-Ti20	11,60



12,7x12,7x4,76 R=1,2

Order-No.	Euro/Piece
JMB01-26R12-HT32	9,65
JMB01-26R12-HT45	9,10
JMB01-26R12-HT50	9,10

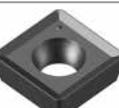


12,7x12,7x4,76 R=0,8

Order-No.	Euro/Piece
JMB01-227R08-HT50	11,50

B02 WP-Gruppe (22) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XIII-1



13,0x13,0x5,0 R=1,0

Order-No.	Euro/Piece
JMB02-22R10-HT45	8,85
JMB02-22R10-HT50	8,85
JMB02-22R10-Ti20	9,35

B03 WP-Gruppe (71) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-36, III-14, VI-4



Order-No.	Euro/Piece
JMB03-71-HS20	6,85
JMB03-71-HT50	8,75
JMB03-71-Ti20	9,25

10,0x7,0x3,18



Order-No.	Euro/Piece
JMB03-71A-HS20	7,80
JMB03-71A-Ti20	9,85

10,0x7,0x3,18



Order-No.	Euro/Piece
JMB03-72-HT50	9,10
JMB03-72-KT28	9,50
JMB03-72-Ti20	9,40

10,7x7,0x3,97



Order-No.	Euro/Piece
JMB03-72A-HT50	9,70
JMB03-72A-KD16	29,85

10,0x7,0x3,97



Order-No.	Euro/Piece
JMB03-73-HT50	8,85
JMB03-73-Ti20	9,25

10,0x7,0x3,18



Order-No.	Euro/Piece
JMB03-73A-HS20	7,95
JMB03-73A-HT35	9,95

10,0x7,0x3,18



Order-No.	Euro/Piece
JMB03-74-HT50	8,55
JMB03-74-KT28	8,85

10,7x7,0x3,97

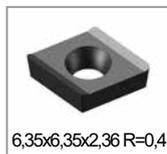
B05 WP-Gruppe (61) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XIII-3



Order-No.	Euro/Piece
JMB05-61R04-HT50	7,50

6,35x6,35x2,36 R=0,4



Order-No.	Euro/Piece
JMB05-61AR04-HT50	7,85
JMB05-61AR04-K15M	7,00

6,35x6,35x2,36 R=0,4

B06 WP-Gruppe (42) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page V-11, V-13, VII-8, XIII-2



15,6x10x3,18 R=0,8

Order-No.	Euro/Piece
JMB06-41R08-HT50	8,30

Catalogue 2017 Page V-11, V-13, VII-8, XIII-2



15,6x10x3,18 R=0,8

Order-No.	Euro/Piece
JMB06-41AR08-K15M	9,40
JMB06-41AR08-TA50	10,10

Catalogue 2017 Page V-11, V-13, VII-9, XIII-2



15,6x10x3,18 R=0,8

Order-No.	Euro/Piece
JMB06-42R08-HT50	10,30
JMB06-42R08-KT28	10,40
JMB06-42R08-Ti20	10,75

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=1,0

Order-No.	Euro/Piece
JMB06-42R10-TA50	11,55
JMB06-42R10-Ti20	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=1,5

Order-No.	Euro/Piece
JMB06-42R15-TA50	11,55

Catalogue 2017 Page VII-9



15,6x10x3,18 R=2,0

Order-No.	Euro/Piece
JMB06-42R20-TA50	11,55
JMB06-42R20-Ti20	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=2,5

Order-No.	Euro/Piece
JMB06-42R25-TA50	11,55

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=3,0

Order-No.	Euro/Piece
JMB06-42R30-TA50	11,55
JMB06-42R30-Ti20	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=3,5

Order-No.	Euro/Piece
JMB06-42R35-Ti20	11,55

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=4,0

Order-No.	Euro/Piece
JMB06-42R40-TA50	11,55
JMB06-42R40-Ti20	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=5,0

Order-No.	Euro/Piece
JMB06-42R50-TA50	11,75
JMB06-42R50-Ti20	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=6,0

Order-No.	Euro/Piece
JMB06-42R60-TA50	12,05

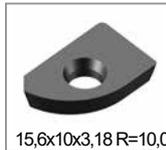
Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=8,0

Order-No.	Euro/Piece
JMB06-42R80-TA50	12,05

Catalogue 2017 Page VII-9, XIII-2



15,6x10x3,18 R=10,0

Order-No.	Euro/Piece
JMB06-42R100-TA50	12,05
JMB06-42R100-Ti20	12,05

Catalogue 2017 Page V-11, V-13, VII-9, XIII-2



15,6x10x3,18 R=0,8

Order-No.	Euro/Piece
JMB06-42AR08-HT50	11,35
JMB06-42AR08-K15M	10,65
JMB06-42AR08-Ti20	11,90

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15,6x10x3,18 R=0,8

Order-No.	Euro/Piece
JMB06-44R08-TA50	10,10

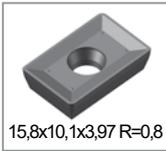
Catalogue 2017 Page V-13, VII-8



15,7x10x3,97 R=0,8

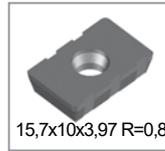
Order-No.	Euro/Piece
JMB06-46R08-HT50	8,90
JMB06-46R08-Ti20	9,35

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Order-No.	Euro/Piece
JMB06-47R08-HT50	8,90
JMB06-47R08-Ti20	9,35

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Order-No.	Euro/Piece
JMB06-48R08-TA50	9,85
JMB06-48R08-Ti20	10,60

B07 WP-Gruppe (81) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

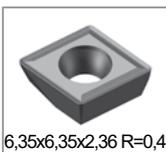
Catalogue 2017 Page XIII-3



Order-No.	Euro/Piece
JMB07-81-HT50	9,65
JMB07-81-Ti20	10,10

B09 WP-Gruppe (65) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page X-3, X-7



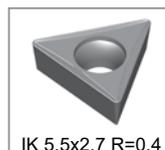
Order-No.	Euro/Piece
JMB09-65R04-HT50	7,50
JMB09-65R04-Ti20	8,25

B10 WP-Gruppe (84) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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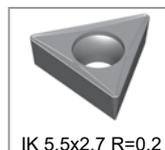
Order-No.	Euro/Piece
JMB10-84R04-HT50	6,95
JMB10-84R04-Ti20	7,15



Order-No.	Euro/Piece
JMB10-284R04-HT20	9,35
JMB10-284R04-HT45	9,35
JMB10-284R04-K15M	9,35



Order-No.	Euro/Piece
JMB10-84AR04-HT50	8,05
JMB10-84AR04-Ti20	8,05



Order-No.	Euro/Piece
JMB10-284R02-K15M	9,35

B11 WP-Gruppe (83) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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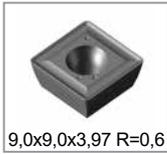
Order-No.	Euro/Piece
JMB11-83-AL10	15,40
JMB11-83-K15M	13,00
JMB11-83-KD16	37,55
JMB11-83-PKD	100,30



Order-No.	Euro/Piece
JMB11-83R08-AL10	15,40

B12 WP-Gruppe (328) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

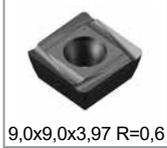
Catalogue 2017 Page II-29, III-9, IV-5, V-8, VII-11, X-9



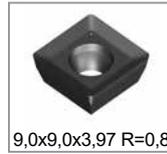
Order-No.	Euro/Piece
JMB12-327R06-HT32	7,55
JMB12-327R06-HT45	7,00
JMB12-327R06-HT50	7,00



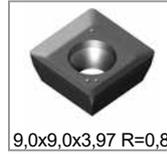
Order-No.	Euro/Piece
JMB12-328R06-HT32	7,40
JMB12-328R06-HT45	6,95
JMB12-328R06-HT50	6,95



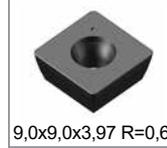
Order-No.	Euro/Piece
JMB12-330R06-HS20	8,45
JMB12-330R06-Ti20	10,85



Order-No.	Euro/Piece
JMB12-332R08-HT35	9,10
JMB12-332R08-HT50	8,85
JMB12-332R08-K15M	7,95



Order-No.	Euro/Piece
JMB12-333R08-HT35	8,70
JMB12-333R08-HT50	8,40
JMB12-333R08-K15M	7,55



Order-No.	Euro/Piece
JMB12-348R06-HT20	7,30

B13 WP-Gruppe (77) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

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Order-No.	Euro/Piece
JMB13-77R08-HS20	7,30
JMB13-77R08-HT32	9,00
JMB13-77R08-HT45	8,90
JMB13-77R08-HT50	8,90



Order-No.	Euro/Piece
JMB13-277R08-HT45	8,95
JMB13-277R08-HT50	8,95
JMB13-277R08-KT28	8,60



Order-No.	Euro/Piece
JMB13-78R08-HT32	9,35
JMB13-78R08-HT45	9,20
JMB13-78R08-HT50	9,20



Order-No.	Euro/Piece
JMB13-278R08-HS20	7,10
JMB13-278R08-HT45	9,35
JMB13-278R08-HT50	9,35



Order-No.	Euro/Piece
JMB13-278R20-HT50	9,35



Order-No.	Euro/Piece
JMB13-278R30-HT50	9,35



Order-No.	Euro/Piece
JMB13-79R08-HT30	12,85
JMB13-79R08-HT32	12,85
JMB13-79R08-HT45	12,85
JMB13-79R08-HT50	12,85
JMB13-79R08-K15M	13,55
JMB13-79R08-XC35	14,35



Order-No.	Euro/Piece
JMB13-279R08-HT45	10,40
JMB13-279R08-HT50	10,40

B14 WP-Gruppe (421) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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Order-No.	Euro/Piece
JMB14-421R10-HT50	8,45



Order-No.	Euro/Piece
JMB14-423R10-KT05	8,95



Order-No.	Euro/Piece
JMB14-425R08-AL20	11,25
JMB14-425R08-K15M	9,10



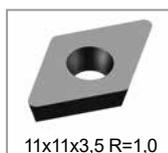
Order-No.	Euro/Piece
JMB14-425R04-K15M	9,10

B15 WP-Gruppe (422) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page VIII-9, VIII-11



Order-No.	Euro/Piece
JMB15-422R10-HT50	9,50



Order-No.	Euro/Piece
JMB15-424R10-KT05	9,95



Order-No.	Euro/Piece
JMB15-426R08-AL20	11,25
JMB15-426R08-K15M	8,85

B16 WP-Gruppe (85) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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Order-No.	Euro/Piece
JMB16-85R03-AL10	13,70
JMB16-85R03-K15M	10,65
JMB16-85R03-KD16	35,95
JMB16-85R03-PKD	102,30

B17 WP-Gruppe (75) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page II-40, III-18, IV-10, VI-8



Order-No.	Euro/Piece
JMB17-75R10-HT30	9,25
JMB17-75R10-HT32	9,25
JMB17-75R10-HT45	9,25
JMB17-75R10-HT50	9,25
JMB17-75R10-KT28	9,25



Order-No.	Euro/Piece
JMB17-76R02-K15M	13,55



Order-No.	Euro/Piece
JMB17-275R08-HT20	8,30
JMB17-275R08-HT32	8,30
JMB17-275R08-HT45	8,30



Order-No.	Euro/Piece
JMB17-76R04-HT30	12,85
JMB17-76R04-HT50	12,85
JMB17-76R04-K15M	13,55
JMB17-76R04-KT28	12,85



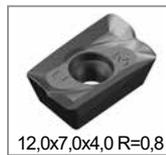
Order-No.	Euro/Piece
JMB17-75R04-HT30	9,25
JMB17-75R04-HT32	9,25
JMB17-75R04-HT45	9,25
JMB17-75R04-HT50	9,25
JMB17-75R04-KT28	9,25



Order-No.	Euro/Piece
JMB17-76R06-HT30	12,85
JMB17-76R06-HT50	12,85
JMB17-76R06-K15M	13,55
JMB17-76R06-KT28	12,85



Order-No.	Euro/Piece
JMB17-275R04-HT20	8,30
JMB17-275R04-HT32	8,30
JMB17-275R04-HT45	8,30



Order-No.	Euro/Piece
JMB17-76R08-HT30	12,85
JMB17-76R08-HT50	12,85
JMB17-76R08-KT28	12,85
JMB17-76R08-XC35	13,85



Order-No.	Euro/Piece
JMB17-75MR10-HC30	9,25
JMB17-75MR10-HC45	9,25

B18 WP-Gruppe (49) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

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Order-No.	Euro/Piece
JMB18-49R10-HT20	10,50
JMB18-49R10-HT32	10,50
JMB18-49R10-HT45	10,50



Order-No.	Euro/Piece
JMB18-49MR10-HC30	10,50
JMB18-49MR10-HC45	10,50



Order-No.	Euro/Piece
JMB18-49R16-HT20	10,50
JMB18-49R16-HT32	10,50
JMB18-49R16-HT45	10,50



Order-No.	Euro/Piece
JMB18-249R10-HT20	14,05
JMB18-249R10-HT32	14,05
JMB18-249R10-HT45	14,05
JMB18-249R10-K15M	14,75



Order-No.	Euro/Piece
JMB18-49R20-HT20	10,50
JMB18-49R20-HT32	10,50
JMB18-49R20-HT45	10,50



Order-No.	Euro/Piece
JMB18-249R10-XC35	15,20



Order-No.	Euro/Piece
JMB18-49R32-HT20	10,50
JMB18-49R32-HT32	10,50
JMB18-49R32-HT45	10,50

B19 WP-Gruppe (429) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-59, IV-25



27,9x12,7x5,0 R3,0

Order-No.	Euro/Piece
JMB19-429R30-AL20	18,80
JMB19-429R30-K15M	18,50

B21 WP-Gruppe (63) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-33, III-11, IV-7



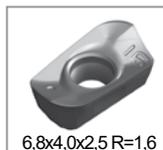
6,8x4,0x2,5 R=0,4

Order-No.	Euro/Piece
JMB21-63R04-HT20	8,40
JMB21-63R04-HT32	8,40
JMB21-63R04-HT45	8,40



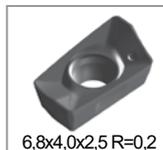
6,8x4,0x2,5 R=0,8

Order-No.	Euro/Piece
JMB21-63R08-HT20	8,40
JMB21-63R08-HT32	8,40
JMB21-63R08-HT45	8,40



6,8x4,0x2,5 R=1,6

Order-No.	Euro/Piece
JMB21-63R16-HT20	8,40
JMB21-63R16-HT32	8,40
JMB21-63R16-HT45	8,40



6,8x4,0x2,5 R=0,2

Order-No.	Euro/Piece
JMB21-64R02-K15M	12,40

B22 WP-Gruppe (853) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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IK 13,0 x 7,8 R0,8

Order-No.	Euro/Piece
JMB22-753R08-HT20	10,40
JMB22-753R08-HT32	10,40
JMB22-753R08-HT45	10,40



IK 13,0 x 7,8 R0,8

Order-No.	Euro/Piece
JMB22-853R08-HT20	17,55
JMB22-853R08-HT32	17,55
JMB22-853R08-HT45	17,55

B24 WP-Gruppe (542) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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6,5x9,5x3,46

Order-No.	Euro/Piece
JMB24-542-HT20	7,30
JMB24-542-HT32	7,30
JMB24-542-HT45	7,30



6,5x9,5x3,46

Order-No.	Euro/Piece
JMB24-642-HC20	7,90
JMB24-642-HC30	7,90
JMB24-642-HC45	7,90
JMB24-642-XC35	9,25

B25 WP-Gruppe (70) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page II-49, III-27, IV-19, VI-17



18,0x9,0x5,0 R0,8

Order-No.	Euro/Piece
JMB25-70AR04-K15M	13,10



18,0x9,0x5,0 R0,8

Order-No.	Euro/Piece
JMB25-70SR08-HC20	8,10
JMB25-70SR08-HC30	8,10
JMB25-70SR08-HC45	8,10



18,0x9,0x5,0 R0,8

Order-No.	Euro/Piece
JMB25-70AR08-HC20	12,10
JMB25-70AR08-HC30	12,10
JMB25-70AR08-HC45	12,10
JMB25-70AR08-XC35	13,20

B27 WP-Gruppe (T09) Group of inserts, Groupe plaquettes de fraiseage, Gruppo inserti

Catalogue 2017 Page II-26, II-55, VI-23, XI-12



IK 9,52x4,62 R0,8

Order-No.	Euro/Piece
JMB27-T09GR02-K15M	13,40
JMB27-T09GR08-HC35	13,40
JMB27-T09GR08-HC45	13,40
JMB27-T09GR08-HT20	13,40
JMB27-T09GR08-XC35	17,35

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IK 9,52x4,62 R0,8

Order-No.	Euro/Piece
JMB27-T09GRR02-K15M	13,40
JMB27-T09GRR08-HC45	13,40
JMB27-T09GRR08-HT20	13,40

Catalogue 2017 Page II-26, II-55, VI-23



IK 9,52x4,62 R0,8
+Fase

Order-No.	Euro/Piece
JMB27-T09PR08-HC45	8,20
JMB27-T09PR08-HT20	8,20
JMB27-T09PR08-HT32	8,20

B28 WP-Gruppe (428) Group of inserts, Groupe plaquettes de fraiseage, Gruppo inserti

Catalogue 2017 Page II-57, III-33, IV-23



16,6x6,4x3,25 R1,0

Order-No.	Euro/Piece
JMB28-428R10-AL20	11,75
JMB28-428R10-K15M	11,20

B31 WP-Gruppe (723) Group of inserts, Groupe plaquettes de fraiseage, Gruppo inserti

Catalogue 2017 Page II-63



IK 10,8x8,87 R0,8

Order-No.	Euro/Piece
JMB31-723R08-HC30	17,55
JMB31-723R08-HC45	17,55
JMB31-723R08-HT20	17,55
JMB31-723R08-XC35	18,90



IK 10,8x8,87 R0,8

Order-No.	Euro/Piece
JMB31-823R08-K15M	22,25



IK 10,8x8,87 R1,2

Order-No.	Euro/Piece
JMB31-723R12-HC30	17,55
JMB31-723R12-HC45	17,55
JMB31-723R12-HT20	17,55
JMB31-723R12-XC35	18,90

C03 WP-Gruppe (252) Group of inserts, Groupe plaquettes de fraiseage, Gruppo inserti

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ø12,7 x 4,76

Order-No.	Euro/Piece
JMC03-252-HT45	8,25
JMC03-252-HT50	8,25
JMC03-252-Ti20	8,45



ø12,7 x 4,76

Order-No.	Euro/Piece
JMC03-257-HT45	7,80
JMC03-257-HT50	7,80



ø12,7 x 4,76

Order-No.	Euro/Piece
JMC03-253-HT35	9,70

C05 WP-Gruppe (506) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page VIII-13



ø6 x 2,38

Order-No.	Euro/Piece
JMC05-606-TA50	6,05

C06 WP-Gruppe (508) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page VIII-18 & 19



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-208-XC35	9,25



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-408-HT45	6,30
JMC06-408-HT50	6,30
JMC06-408-KT25	6,30



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-508-TA50	6,30



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-608-TA50	6,30



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-708-KT05	9,20



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-808-HT35	8,95
JMC06-808-HT50	8,95
JMC06-808-K15M	8,25



ø8 x 3,18

Order-No.	Euro/Piece
JMC06-908-HC20	6,15
JMC06-908-HC30	6,15
JMC06-908-HC45	6,15

C07 WP-Gruppe (510) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

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ø10 x 3,97

Order-No.	Euro/Piece
JMC07-210-XC35	10,10



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-410-HT45	6,95
JMC07-410-HT50	6,95
JMC07-410-KT25	6,95



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-510-TA50	6,85



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-610-HT45	7,00



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-710-KT05	9,75



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-810-HT35	9,35
JMC07-810-HT50	9,35
JMC07-810-K15M	8,55



ø10 x 3,97

Order-No.	Euro/Piece
JMC07-910-HC20	6,75
JMC07-910-HC30	6,75
JMC07-910-HC45	6,75

C08 WP-Gruppe (512) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

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Order-No.	Euro/Piece
JMC08-212-XC35	11,55

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-412-HT45	7,50
JMC08-412-HT50	7,50
JMC08-412-KT25	7,50

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-512-TA50	7,50

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-612-HT45	7,95

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-712-KT05	11,00

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-812-HT35	11,25
JMC08-812-HT50	11,25
JMC08-812-K15M	10,60

ø12 x 4,76



Order-No.	Euro/Piece
JMC08-912-HC20	7,40
JMC08-912-HC30	7,40
JMC08-912-HC45	7,40

ø12 x 4,76

C09 WP-Gruppe (516) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page VIII-30 & 31



Order-No.	Euro/Piece
JMC09-216-XC35	14,45

ø16 x 5,0



Order-No.	Euro/Piece
JMC09-416-HT45	9,00
JMC09-416-HT50	9,00
JMC09-416-KT25	9,00

ø16 x 5,0



Order-No.	Euro/Piece
JMC09-516-TA50	9,00

ø16 x 5,0



Order-No.	Euro/Piece
JMC09-616-TA50	9,45

ø16 x 5,0



Order-No.	Euro/Piece
JMC09-816-HT35	12,40
JMC09-816-HT50	12,40
JMC09-816-K15M	11,15

ø16 x 5,0



Order-No.	Euro/Piece
JMC09-916-HC20	8,95
JMC09-916-HC30	8,95
JMC09-916-HC45	8,95

ø16 x 5,0

C10 WP-Gruppe (124) Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti

Catalogue 2017 Page II-3, III-3, IV-3



Order-No.	Euro/Piece
JMC10-124H-HC32	10,30
JMC10-124H-HC45	10,30
JMC10-124H-HT20	10,30

ø12,0 x 6,68



Order-No.	Euro/Piece
JMC10-124S-HC30	16,95
JMC10-124S-HC45	16,95
JMC10-124S-XC35	18,80

ø12,0 x 6,68

F01 WP-Gruppe (36) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XIII-1



12,7x12,7x4,76

Order-No.	Euro/Piece
JMF01-36-HT20	9,85
JMF01-36-HT50	9,70



12,6x12,6x4,6

Order-No.	Euro/Piece
JMF01-236-KT28	10,10
JMF01-236-TA50	9,85



12,7x12,7x4,76

Order-No.	Euro/Piece
JMF01-36A-HS20	9,95



12,7x12,7x4,76

Order-No.	Euro/Piece
JMF01-37-HT50	9,85

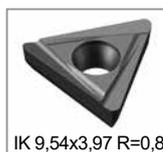
L01 WP-Gruppe (82) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page V-5



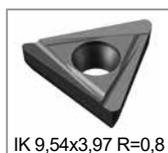
IK 9,54x3,97 R=0,8

Order-No.	Euro/Piece
JML01-82R08-HT50	8,55
JML01-82R08-Ti20	8,90



IK 9,54x3,97 R=0,8

Order-No.	Euro/Piece
JML01-282R08-HT20	10,35
JML01-282R08-HT35	10,35
JML01-282R08-HT45	10,35
JML01-282R08-K15M	10,35

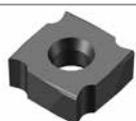


IK 9,54x3,97 R=0,8

Order-No.	Euro/Piece
JML01-82AR08-HS20	10,50

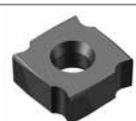
S01 WP-Gruppe (94) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XI-6 & 7



11x11x4,7 R=...

Order-No.	Euro/Piece
JMS01-94RR02-K15M	13,20
JMS01-94RR04-HT20	14,40
JMS01-94RR04-HT45	14,10

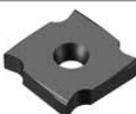


11x11x4,7 R=...

Order-No.	Euro/Piece
JMS01-94LR02-K15M	13,20
JMS01-94LR04-HT20	14,40
JMS01-94LR04-HT45	14,10

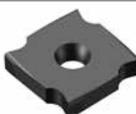
S02 WP-Gruppe (98) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XI-6 & 7



10x10x2,2 R=...

Order-No.	Euro/Piece
JMS02-98RR02-K15M	13,20
JMS02-98RR04-HT20	14,40
JMS02-98RR04-HT45	14,10

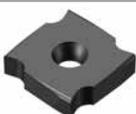


10x10x2,2 R=...

Order-No.	Euro/Piece
JMS02-98LR02-K15M	13,20
JMS02-98LR04-HT20	14,40
JMS02-98LR04-HT45	14,10

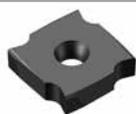
S03 WP-Gruppe (97) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XI-6 & 7



10x10x2,7 R=...

Order-No.	Euro/Piece
JMS03-97RR02-K15M	13,20
JMS03-97RR04-HT20	14,40
JMS03-97RR04-HT45	14,10

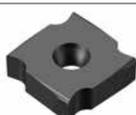


10x10x2,7 R=...

Order-No.	Euro/Piece
JMS03-97LR02-K15M	13,20
JMS03-97LR04-HT20	14,40
JMS03-97LR04-HT45	14,10

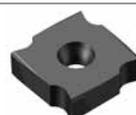
S04 WP-Gruppe (96) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XI-6 & 7



10x10x3,2 R=...

Order-No.	Euro/Piece
JMS04-96RR02-K15M	13,20
JMS04-96RR04-HT20	14,40
JMS04-96RR04-HT45	14,10

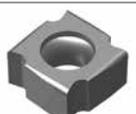


10x10x3,2 R=...

Order-No.	Euro/Piece
JMS04-96LR02-K15M	13,20
JMS04-96LR04-HT20	14,40
JMS04-96LR04-HT45	14,10

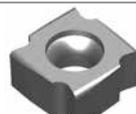
S05 WP-Gruppe (91) *Group of inserts, Groupe plaquettes de fraisage, Gruppo inserti*

Catalogue 2017 Page XI-6 & 7



12,2x12,2x6,3 R0,4

Order-No.	Euro/Piece
JMS05-91RR08-HC20	16,50
JMS05-91RR08-HC45	16,50
JMS05-91RR08-K15M	14,85



12,2x12,2x6,3 R0,4

Order-No.	Euro/Piece
JMS05-91LR08-HC20	16,50
JMS05-91LR08-HC45	16,50
JMS05-91LR08-K15M	14,85

Bohrwendeplatten

Drilling inserts, Plaquettes de perçage, Inserti per foratura

D01 BP-Gruppe (04) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-2



IK 4,9 x 1,8 R0,4

Order-No.	Euro/Piece
JDD01-0402R04-HT65	7,65
JDD01-0402R04-K15M	7,40
JDD01-04T2R04-HT60	7,65

D02 BP-Gruppe (05) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-4



IK 5,5 x 1,95 R0,4

Order-No.	Euro/Piece
JDD02-0502R04-HT65	7,85
JDD02-0502R04-K15M	7,50
JDD02-05T2R04-HT60	7,85

D03 BP-Gruppe (06) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-6



IK 6,2 x 2,35 R0,6

Order-No.	Euro/Piece
JDD03-0602R06-HT65	8,20
JDD03-0602R06-K15M	7,65
JDD03-06T2R06-HT60	8,20

D04 BP-Gruppe (07) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-8



IK 7,2 x 2,7 R0,6

Order-No.	Euro/Piece
JDD04-0702R06-HT65	8,30
JDD04-0702R06-K15M	8,00
JDD04-07T2R06-HT60	8,30

D05 BP-Gruppe (08) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-10



IK 8,65 x 3,0 R0,8

Order-No.	Euro/Piece
JDD05-0803R08-HT65	8,85
JDD05-0803R08-K15M	8,70
JDD05-08T3R08-HT60	8,85

D06 BP-Gruppe (10) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-12



IK 10,6 x 3,55 R0,8

Order-No.	Euro/Piece
JDD06-1004R08-HT65	10,15
JDD06-1004R08-K15M	9,95
JDD06-10T4R08-HT60	10,15

D07 BP-Gruppe (12) Group of inserts, Groupe plaquettes de perçage, Gruppo inserti

Catalogue 2017 Page XII-14



IK 12,0 x 4,45 R0,8

Order-No.	Euro/Piece
JDD07-1205R08-HT65	11,00
JDD07-1205R08-K15M	10,80
JDD07-12T5R08-HT60	11,00

Zuordnung Wendepplatten / Spanschraube / Schraubendreher

Assignment of inserts / fixing screws / screwdrivers, Accessoires compatibles pour les plaquettes / vis / tournevis, Correlazione Inserti / Viti di fissaggio / Cacciaviti

Wendepplatte <i>Insert, Plaquette, Inserti</i>				Wendepplatte <i>Insert, Plaquette, Inserti</i>			
JDD01	BP 0402 / BP 04T2	SS 1,8-1	T 06+	JMA14	FP 858	SS 6,0-1	T 25
JDD02	BP 0502 / BP 05T2	SS 1,8-1	T 06+	JMA15	FP 454	SS 5,0-4	T 20
JDD03	BP 0602 / BP 06T2	SS 2,0-5	T 06+	JMA15	FP 554	SS 5,0-4	T 20
JDD04	BP 0702 / BP 07T2	SS 2,5-1	T 08	JMA15	FP 754	SS 5,0-4	T 20
JDD05	BP 0803 / BP 08T3	SS 3,0-1	T 09	JMA16	FP 538	SS 3,5-2	T 15
JDD06	BP 1004 / BP 10T4	SS 4,0-1	T 15	JMA16	FP 738	SS 3,5-2	T 15
JDD07	BP 1205 / BP 12T5	SS 5,0-1	T 20	JMA16	FP 838	SS 3,5-2	T 15
				JMA17	FP 09H/M/S	SS 4,0-1	T 15
JMA01	FP 111	SS 5,0-1	T 20	JMA18	FP 12H/M/S	SS 4,5-1	T 20
JMA01	FP 112	SS 5,0-1	T 20	JMA19	FP 19H/S	SS 6,0-1	T 25
JMA01	FP 113	SS 5,0-1	T 20	JMA20	FP 534 / 834	SS 3,0-2	T 09
JMA01	FP 114	SS 5,0-1	T 20	JMB01	FP 25	SS 5,0-1	T 20
JMA01	FP 115	SS 5,0-1	T 20	JMB01	FP 26	SS 5,0-1	T 20
JMA01	FP 116	SS 5,0-1	T 20	JMB01	FP 27	SS 5,0-1	T 20
JMA01	FP 117	SS 5,0-1	T 20	JMB01	FP 227	SS 5,0-1	T 20
JMA01	FP 215	SS 5,0-1	T 20	JMB02	FP 22	SS 5,0-1	T 20
JMA02	FP 33	SS 5,0-2	T 20	JMB03	FP 71 / FP 71 A	SS 3,0-1	T 09
JMA02	FP 34	SS 5,0-2	T 20	JMB03	FP 72 / FP 72 A	SS 3,0-1	T 09
JMA02	FP 35 / FP 35 S	SS 5,0-2	T 20	JMB03	FP 73 / FP 73 A	SS 3,0-1	T 09
JMA02	FP 233	SS 5,0-2	T 20	JMB03	FP 74	SS 3,0-1	T 09
JMA09	FP 329	SS 3,0-2	T 09	JMB05	FP 61 / FP 61 A	SS 2,5-1	T 08
JMA09	FP 331	SS 3,0-2	T 09	JMB06	FP 41 / 41 A	SS 4,0-1	T 15
JMA09	FP 339	SS 3,0-2	T 09	JMB06	FP 42 / FP 42 R	SS 4,0-1	T 15
JMA09	FP 349	SS 3,0-2	T 09	JMB06	FP 44	SS 4,0-1	T 15
JMA10	FP 520	SS 4,5-1	T 20-K	JMB06	FP 46	SS 4,0-1	T 15
JMA10	FP 525	SS 4,5-1	T 20-K	JMB06	FP 47	SS 4,0-1	T 15
JMA10	FP 526	SS 4,5-1	T 20-K	JMB06	FP 48	SS 4,0-1	T 15
JMA10	FP 528	SS 4,5-1	T 20-K	JMB07	FP 81	SS 4,0-1	T 15
JMA10	FP 529	SS 4,5-1	T 20-K	JMB09	FP 65	SS 2,5-*	T 08
JMA11	FP 540	SS 3,0-1	T 09	JMB10	FP 84 / FP 84 A	SS 2,5-1	T 08
JMA11	FP 541	SS 3,0-1	T 09	JMB10	FP 284 / FP 284 R	SS 2,5-1	T 08
JMA11	FP 640	SS 3,0-1	T 09	JMB11	FP 83 / FP 83 R	SS 5,0-3	T 20
JMA12	FP 545	SS 4,5-1	T 20	JMB12	FP 327	SS 3,0-2	T 09
JMA12	FP 546	SS 4,5-1	T 20	JMB12	FP 328	SS 3,0-2	T 09
JMA12	FP 645	SS 4,5-1	T 20	JMB12	FP 330	SS 3,0-2	T 09
JMA13	FP 140	SS 3,5-2	T 15	JMB12	FP 332	SS 3,0-2	T 09
JMA13	FP 141	SS 3,5-2	T 15	JMB12	FP 333	SS 3,0-2	T 09
JMA13	FP 142	SS 3,5-2	T 15	JMB12	FP 348	SS 3,0-2	T 09
JMA13	FP 145	SS 3,5-2	T 15	JMB13	FP 77	SS 3,0-2	T 09
JMA13	FP 146	SS 3,5-2	T 15	JMB13	FP 78	SS 3,0-2	T 09
JMA13	FP 147	SS 3,5-2	T 15	JMB13	FP 79 R	SS 3,0-2	T 09
JMA13	FP 240	SS 3,5-2	T 15	JMB13	FP 277	SS 3,0-2	T 09
JMA13	FP 242	SS 3,5-2	T 15	JMB13	FP 278 / FP 278 R	SS 3,0-2	T 09
JMA13	FP 245	SS 3,5-2	T 15	JMB13	FP 279	SS 3,0-2	T 09
JMA14	FP 458	SS 6,0-1	T 25				
JMA14	FP 558	SS 6,0-1	T 25				

* Spanschraubentypen ist abhängig vom Durchmesser des Trägerkörpers (siehe Hauptkatalog), * The fixing screw type depends on the diameter of the milling head (see main catalogue),

* Le type de vis est en fonction du diamètre de l'outil (voir catalogue principal), * La tipologia delle viti di fissaggio dipende dal diametro dei corpi fresa (vedi catalogo generale)

Zuordnung Wendeplatten / Spannschraube / Schraubendreher

Assignment of inserts / fixing screws / screwdrivers, Accessoires compatibles pour les plaquettes / vis / tournevis, Correlazione Inserti / Viti di fissaggio / Cacciaviti

Wendeplatte <i>Insert, Plaquette, Inserti</i>				Wendeplatte <i>Insert, Plaquette, Inserti</i>			
JMB14	FP 421	SS 2,5-1	T 08	JMC08	FP 212	SS 4,0-1	T 15
JMB14	FP 422	SS 4,0-1	T 15	JMC08	FP 412	SS 4,0-1	T 15
JMB14	FP 423	SS 2,5-1	T 08	JMC08	FP 512	SS 4,0-1	T 15
JMB14	FP 424	SS 4,0-1	T 15	JMC08	FP 612	SS 4,0-1	T 15
JMB14	FP 425 / FP 425 R	SS 2,5-1	T 08	JMC08	FP 712	SS 4,0-1	T 15
JMB14	FP 426 / FP 426 R	SS 4,0-1	T 15	JMC08	FP 812	SS 4,0-1	T 15
JMB16	FP 85	SS 4,0-1	T 15	JMC08	FP 912	SS 4,0-1	T 15
JMB17	FP 75 / FP 75 R	SS 2,5-7	T 08+	JMC09	FP 216	SS 5,0-1	T 20
JMB17	FP 75M	SS 2,5-7	T 08+	JMC09	FP 416	SS 5,0-1	T 20
JMB17	FP 76 R	SS 2,5-7	T 08+	JMC09	FP 516	SS 5,0-1	T 20
JMB17	FP 275 / FP 275 R	SS 2,5-7	T 08+	JMC09	FP 616	SS 5,0-1	T 20
JMB18	FP 49 / FP 49 R	SS 4,0-*	T 15	JMC09	FP 816	SS 5,0-1	T 20
JMB18	FP 49M	SS 4,0-*	T 15	JMC09	FP 916	SS 5,0-1	T 20
JMB18	FP 249 / FP 249 R	SS 4,0-*	T 15	JMC10	FP 124H / 124S	SS 4,5-1	T 20
JMB19	FP 429	SS 5,0-1	T 20	JMF01	FP 36 / FP 36 A	SS 4,5-1	T 20-K
JMB21	FP 63 / FP 63 R	SS 1,8-1	T 06+	JMF01	FP 37	SS 4,5-1	T 20-K
JMB21	FP 64	SS 1,8-1	T 06+	JMF01	FP 236	SS 4,5-1	T 20-K
JMB22	FP 753	SS 4,0-2	T 15	JML01	FP 82 / FP 82 A	SS 4,0-1	T 15
JMB22	FP 853	SS 4,0-2	T 15	JML01	FP 282	SS 4,0-1	T 15
JMB24	FP 542	SS 2,5-*	T 08	JMS01	FP 94-R / FP 94-L	SS 4,0-1+*	T 15
JMB24	FP 642	SS 2,5-*	T 08	JMS02	FP 98-R / FP 98-L	SS 2,5-1+4	T 08
JMB25	FP 70A / FP 70S	SS 3,0-2	T 09	JMS03	FP 97-R / FP 97-L	SS 2,5-1+5	T 08
JMB27	FP T09G / FP T09G R	SS 4,0-1	T 15	JMS04	FP 96-R / FP 96-L	SS 2,5-1+6	T 08
JMB27	FP T09P	SS 4,0-1	T 15	JMS05	FP 91-R / FP 91-L	SS 4,5-1	T 20
JMB28	FP 428	SS 2,5-1	T 08				
JMB31	FP 723	SS 4,0-5	T 15+				
JMB31	FP 823	SS 4,0-5	T 15+				
JMC03	FP 252	SS 5,0-2	T 20				
JMC03	FP 253	SS 5,0-2	T 20				
JMC03	FP 257	SS 5,0-2	T 20				
JMC05	FP 606	SS 2,5-*	T 08				
JMC06	FP 208	SS 3,0-1	T 09				
JMC06	FP 408	SS 3,0-1	T 09				
JMC06	FP 508	SS 3,0-1	T 09				
JMC06	FP 608	SS 3,0-1	T 09				
JMC06	FP 708	SS 3,0-1	T 09				
JMC06	FP 808	SS 3,0-1	T 09				
JMC06	FP 908	SS 3,0-1	T 09				
JMC07	FP 210	SS 4,0-1	T 15				
JMC07	FP 410	SS 4,0-1	T 15				
JMC07	FP 510	SS 4,0-1	T 15				
JMC07	FP 610	SS 4,0-1	T 15				
JMC07	FP 710	SS 4,0-1	T 15				
JMC07	FP 810	SS 4,0-1	T 15				
JMC07	FP 910	SS 4,0-1	T 15				

2

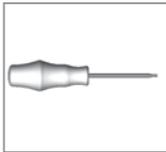
* Spannschraubentyp ist abhängig vom Durchmesser des Trägerkörpers (siehe Hauptkatalog), * The fixing screw type depends on the diameter of the milling head (see main catalogue), * Le type de vis est en fonction du diamètre de l'outil (voir catalogue principal), * La tipologia delle viti di fissaggio dipende dal diametro dei corpi fresa (vedi catalogo generale)

Ersatzteile

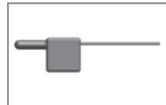
Spare parts, Pièces de rechange, Parti di ricambio

Schraubendreher

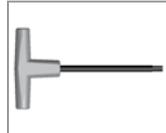
Screwdriver, Tournevis, Cacciavite



Order-No.	Euro/Piece
T 08	9,05
T 08+	14,20
T 09	9,05
T 15	9,05
T 15+	14,20
T 20	10,20
T 20-K	20,30
T 25	12,45
T08S	18,05
T09S	18,05
T15S	18,05



Order-No.	Euro/Piece
T 06+	7,55



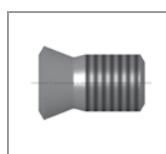
Order-No.	Euro/Piece
SW-3	6,75
SW-3,5	6,75
SW-4	6,75
SW-5	6,75

Spannschraube

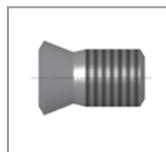
Fixing Screw, Vis de serrage, Vite di fissaggio



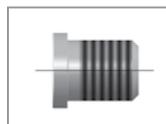
Order-No.	Euro/Piece
SS 1,8-1	1,75
SS 1,8-2	1,75
SS 2,0-5	1,75
SS 2,5-1	1,55
SS 2,5-2	1,55
SS 2,5-6	1,55
SS 2,5-7	1,55
SS 2,5-8	1,55
SS 2,5-9	1,55
SS 3,0-1	1,55
SS 3,0-2	1,55
SS 3,0-3	1,55
SS 3,0-9	1,55
SS 3,5-2	1,55
SS 4,0-1	1,55
SS 4,0-2	1,95
SS 4,0-3	1,95
SS 4,0-5	1,95
SS 4,5-1	1,55



Order-No.	Euro/Piece
SS 5,0-1	1,65
SS 5,0-2	1,65
SS 5,0-3	1,65
SS 5,0-4	2,05
SS 6,0-1	3,05



Order-No.	Euro/Piece
SS 2,5-1+4	1,55
SS 2,5-1+5	1,55
SS 2,5-1+6	1,55
SS 4,0-1+7	1,55
SS 4,0-1+8	1,55
SS 4,0-1+9	1,55



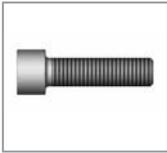
Order-No.	Euro/Piece
SS 5-3,5-7	2,25

Ersatzteile

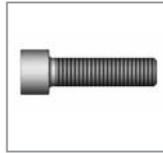
Spare parts, Pièces de rechange, Parti di ricambio

Mittenschraube

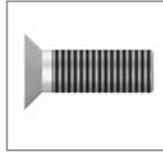
Central screw, Vis centrale, Vite centrale di fissaggio



Order-No.	Euro/Piece
MS-8x25-912	4,80
MS-8x30-912	4,80
MS-8x30-912-S	6,75
MS-8x40-912	4,80
MS-8x45-912	4,80
MS-10x25-912	5,05
MS-10x30-912	5,05
MS-10x35-912	5,05
MS-10x40-912	5,05
MS-10x45-912	5,05
MS-10x50-912	5,05
MS-10x65-912	5,05
MS-12x25-912	5,70
MS-12x30-912	5,70
MS-12x35-912	5,70
MS-12x50-912	5,70
MS-12x55-912	5,70
MS-12x65-912	5,70
MS-12x75-912	5,70
MS-16x30-912	6,55
MS-16x50-912	6,55
MS-16x60-912	6,55
MS-16x70-912	6,55
MS-20x35-912	7,75
MS-20x40-912	7,75



Order-No.	Euro/Piece
MS-10x25-6912	5,05
MS-16x30-6912	6,20
MS-16x35-6912	6,20



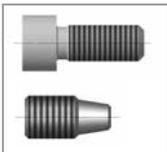
Order-No.	Euro/Piece
MS-12x30-7991	8,85
MS-16x35-7991	9,50
MS-20x40-7991	10,60
MS-20x45-7991	10,60
MS-20x50-7991	10,60
MS-20x55-7991	10,60
MS-20x60-7991	10,60



Order-No.	Euro/Piece
DS 12	16,40
DS 20	16,40

Kassettenschraube

Cassette screw, Vis pour cassettes, Vite di fissaggio porta Gruppo inserti



Order-No.	Euro/Piece
KS-5x10	3,65
KS-5x14	3,65
KS-6x14	3,65
VS 5	6,00
VS-6	4,60

Fett

Grease, Graisse, Grasso



Order-No.	Euro/Piece
Fett 100gr.	13,05

Vollhartmetallfräser und -bohrer

Solid carbide cutters and drilling tools, Fraises et forets carbure monobloc, Frese e punte in metallo duro

VHM-Fräser für die Aluminium-, Kupfer- und Kunststoffbearbeitung (inkl. 3D-Bearbeitung)

Solid carbide cutters for machining aluminium, copper and plastics (incl. 3D operations)

Fraises carbure monobloc destinées à l'usinage de l'aluminium, le cuivre et les matières plastiques (y compris les usinages en 3D)

Frese in m.d. per lavorazioni in alluminio, rame e materie plastiche (incl. lavorazioni 3D)

107 MK10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page I-2



Order-No.	Euro/Piece
VHM 107-02 MK10	20,60
VHM 107-03 MK10	20,60
VHM 107-04 MK10	23,60
VHM 107-05 MK10	27,00
VHM 107-06 MK10	31,10
VHM 107-08 MK10	40,10
VHM 107-10 MK10	60,40
VHM 107-12 MK10	80,70

207 MK10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2016 Page I-4



Order-No.	Euro/Piece
VHM 207-03 MK10	21,30
VHM 207-04 MK10	23,50
VHM 207-05 MK10	25,40
VHM 207-06 MK10	28,00
VHM 207-08 MK10	42,20
VHM 207-10 MK10	52,40
VHM 207-12 MK10	66,30
VHM 207-14 MK10	87,30
VHM 207-16 MK10	112,20

209 MK10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page I-6



Order-No.	Euro/Piece
VHM 209-03 MK10	38,00
VHM 209-04 MK10	41,40
VHM 209-05 MK10	42,90
VHM 209-06 MK10	48,70
VHM 209-08 MK10	64,10
VHM 209-10 MK10	82,30
VHM 209-12 MK10	107,60
VHM 209-16 MK10	147,60
VHM 209-20 MK10	200,20

309 AL05 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page I-8



Order-No.	Euro/Piece
VHM 309-03 AL05	41,20
VHM 309-04 AL05	41,40
VHM 309-05 AL05	41,90
VHM 309-06 AL05	41,60
VHM 309-08 AL05	52,30
VHM 309-10 AL05	76,60
VHM 309-12 AL05	105,80
VHM 309-16 AL05	186,90
VHM 309-20 AL05	279,80

389 AL05 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page I-10



Order-No.	Euro/Piece
VHM 389-03 AL05	52,00
VHM 389-04 AL05	56,70
VHM 389-05 AL05	60,20
VHM 389-06 AL05	57,60
VHM 389-08 AL05	64,80
VHM 389-10 AL05	93,50
VHM 389-12 AL05	136,50
VHM 389-16 AL05	235,40
VHM 389-20 AL05	374,60

308W AL02 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page I-12



Order-No.	Euro/Piece
VHM 308W-06 AL05	42,40
VHM 308W-08 AL05	60,40
VHM 308W-10 AL05	70,50
VHM 308W-12 AL05	108,00
VHM 308W-16 AL05	160,40
VHM 308W-20 AL05	232,70
VHM 308W-25 AL05	347,30

309 R AL05 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page I-14



Order-No.	Euro/Piece
VHM 309-03 R03 AL05	42,70
VHM 309-04 R04 AL05	45,20
VHM 309-05 R05 AL05	46,70
VHM 309-06 R05 AL05	48,70
VHM 309-06 R10 AL05	48,70
VHM 309-08 R10 AL05	65,70
VHM 309-10 R10 AL05	84,80
VHM 309-12 R10 AL05	114,10
VHM 309-16 R10 AL05	190,20
VHM 309-20 R10 AL05	277,30
VHM 309-08 R15 AL05	66,40
VHM 309-10 R15 AL05	84,80
VHM 309-12 R15 AL05	114,10
VHM 309-08 R20 AL05	66,40
VHM 309-10 R20 AL05	84,80
VHM 309-12 R20 AL05	114,10
VHM 309-16 R20 AL05	190,20
VHM 309-20 R20 AL05	277,30
VHM 309-12 R25 AL05	114,10
VHM 309-16 R25 AL05	190,20
VHM 309-20 R25 AL05	277,30
VHM 309-16 R30 AL05	190,20
VHM 309-20 R30 AL05	277,30
VHM 309-16 R40 AL05	190,20
VHM 309-20 R40 AL05	277,30

229 MK10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page I-16



Order-No.	Euro/Piece
VHM 229-03 MK10	37,50
VHM 229-04 MK10	41,10
VHM 229-05 MK10	44,00
VHM 229-06 MK10	46,00
VHM 229-08 MK10	58,30
VHM 229-10 MK10	72,10
VHM 229-12 MK10	113,30
VHM 229-16 MK10	158,30
VHM 229-20 MK10	229,10

VHM-Fräser für die Stahl-, Edelstahl- und Titanbearbeitung (inkl. Hartbearbeitung)

Solid carbide cutters for machining steel, high grade steel and titan (incl. hard machining)

Fraises carbure monobloc destinées à l'usinage de l'acier, l'inox et le titane (y compris les usinages durs)

Frese in m.d. per lavorazioni in acciaio, acciaio inossidabile e titanio (incl. lavorazioni di materiali duri)

281(W) TN12 + 282(W) TN12 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-2



Order-No.	Euro/Piece
VHM 281-02 TN12	18,10
VHM 281-03 TN12	18,10
VHM 281-04 TN12	18,10
VHM 281-05 TN12	19,70
VHM 281W-015 TN12	23,30
VHM 281W-02 TN12	23,30
VHM 281W-025 TN12	23,30
VHM 281W-03 TN12	23,30
VHM 281W-035 TN12	23,30
VHM 281W-04 TN12	23,30
VHM 281W-045 TN12	23,30
VHM 281W-05 TN12	23,30
VHM 281W-055 TN12	23,30
VHM 281W-06 TN12	19,70
VHM 281W-075 TN12	27,10
VHM 281W-08 TN12	27,10
VHM 281W-095 TN12	39,30
VHM 281W-10 TN12	39,30
VHM 281W-115 TN12	44,40
VHM 281W-12 TN12	44,40
VHM 281W-16 TN12	70,70
VHM 281W-20 TN12	112,20

Catalogue 2018 Page II-6



Order-No.	Euro/Piece
VHM 282-02 TN12	18,10
VHM 282-03 TN12	18,10
VHM 282-04 TN12	18,10
VHM 282-05 TN12	19,70
VHM 282W-015 TN12	23,30
VHM 282W-02 TN12	23,30
VHM 282W-025 TN12	23,30
VHM 282W-03 TN12	23,30
VHM 282W-035 TN12	23,30
VHM 282W-04 TN12	23,30
VHM 282W-045 TN12	23,30
VHM 282W-05 TN12	23,30
VHM 282W-055 TN12	23,30
VHM 282W-06 TN12	19,70
VHM 282W-075 TN12	27,10
VHM 282W-08 TN12	27,10
VHM 282W-095 TN12	39,30
VHM 282W-10 TN12	39,30
VHM 282W-115 TN12	44,40
VHM 282W-12 TN12	44,40
VHM 282W-16 TN12	70,70
VHM 282W-20 TN12	112,20

381(W) TN12 + 382(W) TN12 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-10



Order-No.	Euro/Piece
VHM 381-02 TN12	19,10
VHM 381-03 TN12	19,10
VHM 381-04 TN12	19,10
VHM 381-05 TN12	20,80
VHM 381W-015 TN12	24,30
VHM 381W-02 TN12	24,30
VHM 381W-025 TN12	24,30
VHM 381W-03 TN12	24,30
VHM 381W-035 TN12	24,30
VHM 381W-04 TN12	24,30
VHM 381W-045 TN12	24,30
VHM 381W-05 TN12	24,30
VHM 381W-055 TN12	24,30
VHM 381W-06 TN12	20,80
VHM 381W-075 TN12	28,20
VHM 381W-08 TN12	28,20
VHM 381W-095 TN12	40,30
VHM 381W-10 TN12	40,30
VHM 381W-115 TN12	45,40
VHM 381W-12 TN12	45,40
VHM 381W-16 TN12	71,70
VHM 381W-20 TN12	113,30

Catalogue 2018 Page II-14



Order-No.	Euro/Piece
VHM 382-02 TN12	19,10
VHM 382-03 TN12	19,10
VHM 382-04 TN12	19,10
VHM 382-05 TN12	20,80
VHM 382W-015 TN12	24,30
VHM 382W-02 TN12	24,30
VHM 382W-025 TN12	24,30
VHM 382W-03 TN12	24,30
VHM 382W-035 TN12	24,30
VHM 382W-04 TN12	24,30
VHM 382W-045 TN12	24,30
VHM 382W-05 TN12	24,30
VHM 382W-055 TN12	24,30
VHM 382W-06 TN12	20,80
VHM 382W-075 TN12	28,20
VHM 382W-08 TN12	28,20
VHM 382W-095 TN12	40,30
VHM 382W-10 TN12	40,30
VHM 382W-115 TN12	45,40
VHM 382W-12 TN12	45,40
VHM 382W-16 TN12	71,70
VHM 382W-20 TN12	113,30

481(W) TN12 + 482(W) TN12 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-18



Order-No.	Euro/Piece
VHM 481-02 TN12	20,30
VHM 481-03 TN12	20,30
VHM 481-04 TN12	20,30
VHM 481-05 TN12	21,30
VHM 481W-015 TN12	25,50
VHM 481W-02 TN12	25,50
VHM 481W-025 TN12	25,50
VHM 481W-03 TN12	25,50
VHM 481W-035 TN12	25,50
VHM 481W-04 TN12	25,50
VHM 481W-045 TN12	25,50
VHM 481W-05 TN12	25,50
VHM 481W-055 TN12	25,50
VHM 481W-06 TN12	21,30
VHM 481W-075 TN12	29,10
VHM 481W-08 TN12	29,10
VHM 481W-095 TN12	40,60
VHM 481W-10 TN12	40,60
VHM 481W-115 TN12	47,50
VHM 481W-12 TN12	47,50
VHM 481W-16 TN12	74,80
VHM 481W-20 TN12	119,50

Catalogue 2018 Page II-22



Order-No.	Euro/Piece
VHM 482-02 TN12	20,30
VHM 482-03 TN12	20,30
VHM 482-04 TN12	20,30
VHM 482-05 TN12	21,30
VHM 482W-015 TN12	25,50
VHM 482W-02 TN12	25,50
VHM 482W-025 TN12	25,50
VHM 482W-03 TN12	25,50
VHM 482W-035 TN12	25,50
VHM 482W-04 TN12	25,50
VHM 482W-045 TN12	25,50
VHM 482W-05 TN12	25,50
VHM 482W-055 TN12	25,50
VHM 482W-06 TN12	21,30
VHM 482W-075 TN12	29,10
VHM 482W-08 TN12	29,10
VHM 482W-095 TN12	40,60
VHM 482W-10 TN12	40,60
VHM 482W-115 TN12	47,50
VHM 482W-12 TN12	47,50
VHM 482W-16 TN12	74,80
VHM 482W-20 TN12	119,50

471W Ti10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-26



Order-No.	Euro/Piece
VHM 471W-06 Ti10	36,70
VHM 471W-08 Ti10	43,20
VHM 471W-10 Ti10	51,40
VHM 471W-12 Ti10	64,80
VHM 471W-16 Ti10	106,10
VHM 471W-20 Ti10	150,30

472W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-28



Order-No.	Euro/Piece
VHM 472W-04 TS35	42,20
VHM 472W-05 TS35	42,00
VHM 472W-06 TS35	37,60
VHM 472W-08 TS35	45,80
VHM 472W-10 TS35	55,00
VHM 472W-12 TS35	69,50
VHM 472W-16 TS35	107,60
VHM 472W-20 TS35	168,00

473W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-30



Order-No.	Euro/Piece
VHM 473W-04 TS35	46,40
VHM 473W-05 TS35	46,80
VHM 473W-06 TS35	40,40
VHM 473W-08 TS35	48,40
VHM 473W-10 TS35	57,90
VHM 473W-12 TS35	73,40
VHM 473W-14 TS35	94,90
VHM 473W-16 TS35	116,30
VHM 473W-20 TS35	176,70
VHM 473W-25 TS35	372,20

474W Ti10 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-32



Order-No.	Euro/Piece
VHM 474W-04 Ti10	38,80
VHM 474W-05 Ti10	38,80
VHM 474W-06 Ti10	38,80
VHM 474W-08 Ti10	46,80
VHM 474W-10 Ti10	55,00
VHM 474W-12 Ti10	72,60
VHM 474W-14 Ti10	101,90
VHM 474W-16 Ti10	130,80
VHM 474W-20 Ti10	188,20
VHM 474W-25 Ti10	337,70

475W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-38



Order-No.	Euro/Piece
VHM 475W-04 TS35	36,50
VHM 475W-05 TS35	35,70
VHM 475W-06 TS35	34,90
VHM 475W-08 TS35	42,90
VHM 475W-10 TS35	57,30
VHM 475W-12 TS35	72,10
VHM 475W-16 TS35	112,80
VHM 475W-20 TS35	168,00

476W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-40



Order-No.	Euro/Piece
VHM 476W-04 TS35	40,30
VHM 476W-05 TS35	37,50
VHM 476W-06 TS35	37,50
VHM 476W-08 TS35	45,60
VHM 476W-10 TS35	60,40
VHM 476W-12 TS35	73,70
VHM 476W-16 TS35	117,40
VHM 476W-20 TS35	177,90

441W Ti08 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-42



Order-No.	Euro/Piece
VHM 441W-03 Ti08	30,70
VHM 441W-04 Ti08	30,70
VHM 441W-05 Ti08	30,70
VHM 441W-06 Ti08	31,60
VHM 441W-08 Ti08	39,90
VHM 441W-10 Ti08	49,90
VHM 441W-12 Ti08	59,40
VHM 441W-16 Ti08	91,70
VHM 441W-20 Ti08	132,70
VHM 441W-25 Ti08	300,30

477W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page II-44



Order-No.	Euro/Piece
VHM 477W-06 TS35	43,40
VHM 477W-08 TS35	55,00
VHM 477W-10 TS35	80,60
VHM 477W-12 TS35	108,90
VHM 477W-16 TS35	178,40
VHM 477W-20 TS35	294,90
VHM 477W-25 TS35	509,60

.46W / .47W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-46



Order-No.	Euro/Piece
VHM 446W-06 TS35	47,50
VHM 446W-08 TS35	59,70
VHM 446W-10 TS35	68,20
VHM 446W-12 TS35	81,70
VHM 546W-16 TS35	145,20
VHM 546W-20 TS35	206,20

Catalogue 2018 Page II-48



Order-No.	Euro/Piece
VHM 447W-06 TS35	59,70
VHM 447W-08 TS35	72,00
VHM 447W-10 TS35	84,20
VHM 447W-12 TS35	100,10
VHM 547W-16 TS35	169,60
VHM 547W-20 TS35	242,70
VHM 547W-25 TS35	324,20

.48W / .49W TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-50



Order-No.	Euro/Piece
VHM 348W-04 TS35	33,20
VHM 348W-05 TS35	33,90
VHM 348W-06 TS35	56,90
VHM 348W-08 TS35	74,90
VHM 348W-10 TS35	89,70
VHM 348W-12 TS35	102,50
VHM 448W-06 TS35	60,10
VHM 448W-08 TS35	68,10
VHM 448W-10 TS35	82,00
VHM 448W-12 TS35	93,30
VHM 448W-16 TS35	150,30
VHM 448W-20 TS35	215,90
VHM 548W-16 TS35	143,40
VHM 548W-20 TS35	201,80

Catalogue 2018 Page II-54



Order-No.	Euro/Piece
VHM 349W-04 TS35	35,70
VHM 349W-05 TS35	36,80
VHM 349W-06 TS35	59,30
VHM 349W-08 TS35	77,60
VHM 349W-10 TS35	81,10
VHM 349W-12 TS35	96,70
VHM 449W-06 TS35	60,80
VHM 449W-08 TS35	70,50
VHM 449W-10 TS35	83,00
VHM 449W-12 TS35	101,30
VHM 449W-16 TS35	157,50
VHM 449W-20 TS35	225,40
VHM 549W-16 TS35	165,70
VHM 549W-20 TS35	239,50

451 HX63 / HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-58



Order-No.	Euro/Piece
VHM 451-02 HX63	41,20
VHM 451-03 HX63	48,40
VHM 451-04 HX63	47,30
VHM 451-05 HX63	46,60
VHM 451-06 HX63	45,40
VHM 451-07 HX63	54,20
VHM 451-08 HX63	53,50
VHM 451-10 HX63	66,10
VHM 451-12 HX63	89,90
VHM 451-14 HX63	110,60
VHM 451-16 HX63	129,60
VHM 451-20 HX63	208,90

Catalogue 2018 Page II-60



Order-No.	Euro/Piece
VHM 451-02 HX70	45,50
VHM 451-03 HX70	53,50
VHM 451-04 HX70	50,90
VHM 451-05 HX70	49,40
VHM 451-06 HX70	48,50
VHM 451-07 HX70	65,40
VHM 451-08 HX70	63,10
VHM 451-10 HX70	75,90
VHM 451-12 HX70	96,00
VHM 451-14 HX70	119,00
VHM 451-16 HX70	150,10

643 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-62



Order-No.	Euro/Piece
VHM 643-06 TiO2	37,00
VHM 643-08 TiO2	50,40
VHM 643-10 TiO2	66,10
VHM 643-12 TiO2	89,70
VHM 643-16 TiO2	157,00
VHM 643-20 TiO2	235,50
VHM 643-25 TiO2	380,20

.54 HX63 / HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-64



Order-No.	Euro/Piece
VHM 454-03 HX63	45,30
VHM 454-04 HX63	51,10
VHM 454-05 HX63	45,50
VHM 654-06 HX63	50,30
VHM 654-08 HX63	58,70
VHM 654-10 HX63	67,60
VHM 654-12 HX63	99,40
VHM 654-16 HX63	147,80
VHM 854-20 HX63	262,80

Catalogue 2018 Page II-66



Order-No.	Euro/Piece
VHM 454-03 HX70	50,90
VHM 454-04 HX70	51,10
VHM 454-05 HX70	52,00
VHM 654-06 HX70	55,80
VHM 654-08 HX70	65,80
VHM 654-10 HX70	77,00
VHM 654-12 HX70	107,70
VHM 654-16 HX70	167,30
VHM 854-20 HX70	317,30

.55 HX63 / HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page II-68



Order-No.	Euro/Piece
VHM 455-03 HX63	40,20
VHM 455-04 HX63	39,60
VHM 455-05 HX63	38,50
VHM 655-06 HX63	40,40
VHM 655-07 HX63	54,20
VHM 655-08 HX63	51,40
VHM 655-10 HX63	61,90
VHM 655-12 HX63	83,60
VHM 855-14 HX63	102,50
VHM 855-16 HX63	118,40

Catalogue 2018 Page II-70



Order-No.	Euro/Piece
VHM 455-03 HX70	44,10
VHM 455-04 HX70	41,50
VHM 455-05 HX70	40,70
VHM 655-06 HX70	45,40
VHM 655-07 HX70	65,60
VHM 655-08 HX70	61,40
VHM 655-10 HX70	71,50
VHM 655-12 HX70	89,70
VHM 855-14 HX70	110,90
VHM 855-16 HX70	139,40

VHM-Fräser für die 3D Bearbeitung von Stahl, Edelstahl und Titan (inkl. Hartbearbeitung)

Solid carbide cutters for the 3D working of steel, high grade steel and titan (incl. hard machining)

Fraises carbure monobloc destinées à l'usinage en 3D de l'acier, l'innox et le titane (y compris les usinages durs)

Frese in m.d. per lavorazioni 3D in acciaio, acciaio inossidabile e titanio (incl. lavorazioni di materiali duri)

419 / 420 HX56 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-2



Order-No.	Euro/Piece
VHM 419-03 HX56	67,20
VHM 419-04 HX56	67,20
VHM 419-05 HX56	67,20
VHM 419-06 HX56	64,50
VHM 419-08 HX56	77,10
VHM 419-10 HX56	90,00
VHM 419-12 HX56	126,50
VHM 419-16 HX56	181,90

Catalogue 2018 Page III-4



Order-No.	Euro/Piece
VHM 420-03 HX56	74,80
VHM 420-04 HX56	74,80
VHM 420-05 HX56	74,80
VHM 420-06 HX56	71,20
VHM 420-08 HX56	88,60
VHM 420-10 HX56	110,40
VHM 420-12 HX56	142,90
VHM 420-16 HX56	227,00

212 / 213 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-6



Order-No.	Euro/Piece
VHM 212-02 R05 HX63	52,80
VHM 212-03 R05 HX63	51,50
VHM 212-04 R05 HX63	50,90
VHM 212-05 R05 HX63	48,80
VHM 212-06 R05 HX63	46,00
VHM 212-08 R05 HX63	55,70
VHM 212-03 R10 HX63	51,50
VHM 212-04 R10 HX63	52,70
VHM 212-05 R10 HX63	48,80
VHM 212-06 R10 HX63	46,00
VHM 212-08 R10 HX63	55,70
VHM 212-10 R10 HX63	73,00
VHM 212-12 R10 HX63	92,80
VHM 212-16 R10 HX63	132,10
VHM 212-08 R15 HX63	55,70
VHM 212-10 R15 HX63	73,00
VHM 212-12 R15 HX63	92,80
VHM 212-16 R15 HX63	132,10
VHM 212-08 R20 HX63	55,70
VHM 212-10 R20 HX63	73,00
VHM 212-12 R20 HX63	92,80

Catalogue 2018 Page III-10



Order-No.	Euro/Piece
VHM 213-02 R05 HX63	55,70
VHM 213-03 R05 HX63	52,80
VHM 213-04 R05 HX63	51,50
VHM 213-05 R05 HX63	50,10
VHM 213-06 R05 HX63	48,80
VHM 213-08 R05 HX63	64,50
VHM 213-03 R10 HX63	52,80
VHM 213-04 R10 HX63	51,50
VHM 213-05 R10 HX63	50,10
VHM 213-06 R10 HX63	48,80
VHM 213-08 R10 HX63	64,50
VHM 213-10 R10 HX63	81,10
VHM 213-12 R10 HX63	107,20
VHM 213-16 R10 HX63	168,00
VHM 213-08 R15 HX63	64,50
VHM 213-10 R15 HX63	81,10
VHM 213-12 R15 HX63	107,20
VHM 213-14 R15 HX63	136,90
VHM 213-16 R15 HX63	168,00
VHM 213-08 R20 HX63	64,50
VHM 213-10 R20 HX63	81,10
VHM 213-12 R20 HX63	107,20
VHM 213-14 R20 HX63	136,90
VHM 213-16 R20 HX63	168,00

217 / 218 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro, Fresas integrales de metal duro

Catalogue 2018 Page III-14



Order-No.	Euro/Piece
VHM 217-02 HX63	44,90
VHM 217-03 HX63	42,30
VHM 217-04 HX63	43,00
VHM 217-05 HX63	43,00
VHM 217-06 HX63	43,00
VHM 217-08 HX63	62,50
VHM 217-10 HX63	72,40
VHM 217-12 HX63	94,30
VHM 217-16 HX63	134,00
VHM 217-02 R05 HX63	44,90
VHM 217-03 R05 HX63	42,30
VHM 217-04 R05 HX63	43,00
VHM 217-05 R05 HX63	43,00
VHM 217-06 R05 HX63	43,00
VHM 217-08 R05 HX63	62,50
VHM 217-10 R05 HX63	72,40
VHM 217-04 R10 HX63	43,00
VHM 217-05 R10 HX63	43,00
VHM 217-06 R10 HX63	43,00
VHM 217-08 R10 HX63	58,40
VHM 217-10 R10 HX63	72,40
VHM 217-12 R10 HX63	94,30
VHM 217-16 R10 HX63	134,00
VHM 217-08 R15 HX63	58,40
VHM 217-10 R15 HX63	72,40
VHM 217-12 R15 HX63	94,30
VHM 217-08 R20 HX63	58,40
VHM 217-10 R20 HX63	72,40
VHM 217-12 R20 HX63	94,30
VHM 217-16 R20 HX63	134,00

Catalogue 2018 Page III-18



Order-No.	Euro/Piece
VHM 218-02 HX63	55,80
VHM 218-03 HX63	52,80
VHM 218-04 HX63	52,80
VHM 218-05 HX63	52,80
VHM 218-06 HX63	52,80
VHM 218-08 HX63	67,40
VHM 218-10 HX63	82,10
VHM 218-12 HX63	109,00
VHM 218-16 HX63	188,40
VHM 218-02 R05 HX63	55,80
VHM 218-03 R05 HX63	52,80
VHM 218-04 R05 HX63	52,80
VHM 218-05 R05 HX63	52,80
VHM 218-06 R05 HX63	52,80
VHM 218-08 R05 HX63	67,40
VHM 218-10 R05 HX63	82,10
VHM 218-04 R10 HX63	52,80
VHM 218-05 R10 HX63	52,80
VHM 218-06 R10 HX63	52,80
VHM 218-08 R10 HX63	67,40
VHM 218-10 R10 HX63	82,10
VHM 218-12 R10 HX63	109,00
VHM 218-16 R10 HX63	188,40
VHM 218-08 R15 HX63	67,40
VHM 218-10 R15 HX63	82,10
VHM 218-12 R15 HX63	109,00
VHM 218-08 R20 HX63	67,40
VHM 218-10 R20 HX63	82,10
VHM 218-12 R20 HX63	109,00
VHM 218-16 R20 HX63	188,40

412 / 413 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-22



Order-No.	Euro/Piece
VHM 412-03 R05 HX63	52,80
VHM 412-04 R05 HX63	51,50
VHM 412-05 R05 HX63	50,10
VHM 412-06 R05 HX63	48,80
VHM 412-08 R05 HX63	63,80
VHM 412-10 R05 HX63	82,90
VHM 412-12 R05 HX63	93,60
VHM 412-03 R10 HX63	52,80
VHM 412-04 R10 HX63	51,50
VHM 412-05 R10 HX63	50,10
VHM 412-06 R10 HX63	48,80
VHM 412-08 R10 HX63	63,80
VHM 412-10 R10 HX63	78,90
VHM 412-12 R10 HX63	100,40
VHM 412-16 R10 HX63	149,90
VHM 412-08 R15 HX63	63,80
VHM 412-10 R15 HX63	78,90
VHM 412-12 R15 HX63	100,40
VHM 412-14 R15 HX63	132,20
VHM 412-16 R15 HX63	149,90
VHM 412-08 R20 HX63	63,80
VHM 412-10 R20 HX63	78,90
VHM 412-12 R20 HX63	100,40
VHM 412-14 R20 HX63	132,20
VHM 412-16 R20 HX63	149,90

Catalogue 2018 Page III-26



Order-No.	Euro/Piece
VHM 413-03 R05 HX63	54,40
VHM 413-04 R05 HX63	52,80
VHM 413-05 R05 HX63	51,50
VHM 413-06 R05 HX63	50,10
VHM 413-08 R05 HX63	71,00
VHM 413-10 R05 HX63	99,20
VHM 413-12 R05 HX63	107,20
VHM 413-03 R10 HX63	54,40
VHM 413-04 R10 HX63	52,80
VHM 413-05 R10 HX63	51,50
VHM 413-06 R10 HX63	50,10
VHM 413-08 R10 HX63	71,00
VHM 413-10 R10 HX63	87,70
VHM 413-12 R10 HX63	109,90
VHM 413-16 R10 HX63	181,20
VHM 413-08 R15 HX63	71,00
VHM 413-10 R15 HX63	87,70
VHM 413-12 R15 HX63	109,90
VHM 413-14 R15 HX63	150,60
VHM 413-16 R15 HX63	181,20
VHM 413-08 R20 HX63	71,00
VHM 413-10 R20 HX63	87,70
VHM 413-12 R20 HX63	109,90
VHM 413-14 R20 HX63	150,60
VHM 413-16 R20 HX63	181,20

412 / 413 HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-30



Order-No.	Euro/Piece
VHM 412-03 R05 HX70	57,10
VHM 412-04 R05 HX70	55,70
VHM 412-05 R05 HX70	54,40
VHM 412-06 R05 HX70	52,80
VHM 412-08 R05 HX70	71,00
VHM 412-10 R05 HX70	86,10
VHM 412-12 R05 HX70	105,70
VHM 412-03 R10 HX70	57,10
VHM 412-04 R10 HX70	55,70
VHM 412-05 R10 HX70	54,40
VHM 412-06 R10 HX70	52,80
VHM 412-08 R10 HX70	71,00
VHM 412-10 R10 HX70	87,70
VHM 412-12 R10 HX70	105,80
VHM 412-16 R10 HX70	165,70
VHM 412-08 R15 HX70	71,00
VHM 412-10 R15 HX70	87,70
VHM 412-12 R15 HX70	105,80
VHM 412-14 R15 HX70	135,10
VHM 412-16 R15 HX70	165,70
VHM 412-08 R20 HX70	71,00
VHM 412-10 R20 HX70	87,70
VHM 412-12 R20 HX70	105,80
VHM 412-14 R20 HX70	135,10
VHM 412-16 R20 HX70	165,70

Catalogue 2018 Page III-34



Order-No.	Euro/Piece
VHM 413-03 R05 HX70	59,80
VHM 413-04 R05 HX70	58,40
VHM 413-05 R05 HX70	57,10
VHM 413-06 R05 HX70	55,70
VHM 413-08 R05 HX70	78,10
VHM 413-10 R05 HX70	107,70
VHM 413-12 R05 HX70	114,00
VHM 413-03 R10 HX70	59,80
VHM 413-04 R10 HX70	58,40
VHM 413-05 R10 HX70	57,10
VHM 413-06 R10 HX70	55,70
VHM 413-08 R10 HX70	78,10
VHM 413-10 R10 HX70	94,70
VHM 413-12 R10 HX70	114,30
VHM 413-16 R10 HX70	200,40
VHM 413-08 R15 HX70	78,10
VHM 413-10 R15 HX70	94,70
VHM 413-12 R15 HX70	114,30
VHM 413-16 R15 HX70	200,40
VHM 413-08 R20 HX70	78,10
VHM 413-10 R20 HX70	94,70
VHM 413-12 R20 HX70	114,30
VHM 413-16 R20 HX70	200,40

417 / 418 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-38



Order-No.	Euro/Piece
VHM 417-02 R05 HX63	58,70
VHM 417-03 R05 HX63	58,70
VHM 417-04 R05 HX63	58,10
VHM 417-05 R05 HX63	57,40
VHM 417-06 R05 HX63	60,70
VHM 417-08 R05 HX63	66,90
VHM 417-10 R05 HX63	82,30
VHM 417-04 R10 HX63	58,10
VHM 417-05 R10 HX63	57,40
VHM 417-06 R10 HX63	60,70
VHM 417-08 R10 HX63	66,90
VHM 417-10 R10 HX63	82,30
VHM 417-12 R10 HX63	98,30
VHM 417-16 R10 HX63	158,30
VHM 417-08 R15 HX63	66,90
VHM 417-10 R15 HX63	82,30
VHM 417-12 R15 HX63	98,30
VHM 417-08 R20 HX63	66,90
VHM 417-10 R20 HX63	82,30
VHM 417-12 R20 HX63	98,30
VHM 417-16 R20 HX63	158,30

Catalogue 2018 Page III-42



Order-No.	Euro/Piece
VHM 418-02 R05 HX63	62,70
VHM 418-03 R05 HX63	62,00
VHM 418-04 R05 HX63	61,50
VHM 418-05 R05 HX63	60,90
VHM 418-06 R05 HX63	66,80
VHM 418-08 R05 HX63	77,60
VHM 418-10 R05 HX63	89,20
VHM 418-12 R05 HX63	116,60
VHM 418-16 R05 HX63	222,60
VHM 418-04 R10 HX63	61,50
VHM 418-05 R10 HX63	60,90
VHM 418-06 R10 HX63	66,80
VHM 418-08 R10 HX63	77,60
VHM 418-10 R10 HX63	89,20
VHM 418-12 R10 HX63	116,60
VHM 418-16 R10 HX63	222,60
VHM 418-08 R15 HX63	77,60
VHM 418-10 R15 HX63	89,20
VHM 418-12 R15 HX63	116,60
VHM 418-08 R20 HX63	77,60
VHM 418-10 R20 HX63	89,20
VHM 418-12 R20 HX63	116,60
VHM 418-16 R20 HX63	222,60

417 / 418 HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-46



Order-No.	Euro/Piece
VHM 417-02 R05 HX70	58,70
VHM 417-03 R05 HX70	58,70
VHM 417-04 R05 HX70	58,10
VHM 417-05 R05 HX70	57,40
VHM 417-06 R05 HX70	60,70
VHM 417-08 R05 HX70	66,90
VHM 417-10 R05 HX70	82,30
VHM 417-04 R10 HX70	58,10
VHM 417-05 R10 HX70	57,40
VHM 417-06 R10 HX70	60,70
VHM 417-08 R10 HX70	66,90
VHM 417-10 R10 HX70	82,30
VHM 417-12 R10 HX70	98,30
VHM 417-16 R10 HX70	158,30
VHM 417-08 R15 HX70	66,90
VHM 417-10 R15 HX70	82,30
VHM 417-12 R15 HX70	98,30
VHM 417-08 R20 HX70	66,90
VHM 417-10 R20 HX70	82,30
VHM 417-12 R20 HX70	98,30
VHM 417-16 R20 HX70	158,30

Catalogue 2018 Page III-50



Order-No.	Euro/Piece
VHM 418-02 R05 HX70	62,70
VHM 418-03 R05 HX70	62,00
VHM 418-04 R05 HX70	61,50
VHM 418-05 R05 HX70	60,90
VHM 418-06 R05 HX70	66,80
VHM 418-08 R05 HX70	77,60
VHM 418-10 R05 HX70	89,20
VHM 418-04 R10 HX70	61,50
VHM 418-05 R10 HX70	60,90
VHM 418-06 R10 HX70	66,80
VHM 418-08 R10 HX70	77,60
VHM 418-10 R10 HX70	89,20
VHM 418-12 R10 HX70	116,60
VHM 418-16 R10 HX70	222,60
VHM 418-08 R15 HX70	77,60
VHM 418-10 R15 HX70	89,20
VHM 418-12 R15 HX70	116,60
VHM 418-08 R20 HX70	77,60
VHM 418-10 R20 HX70	89,20
VHM 418-12 R20 HX70	116,60
VHM 418-16 R20 HX70	222,60

476W R TS35 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page III-54



Order-No.	Euro/Piece
VHM 476W-04 R04 TS35	43,70
VHM 476W-05 R05 TS35	39,10
VHM 476W-06 R05 TS35	42,60
VHM 476W-06 R10 TS35	42,60
VHM 476W-08 R10 TS35	51,70
VHM 476W-10 R10 TS35	66,50
VHM 476W-12 R10 TS35	81,60
VHM 476W-08 R15 TS35	51,70
VHM 476W-10 R15 TS35	66,50
VHM 476W-12 R15 TS35	81,60
VHM 476W-16 R15 TS35	125,30
VHM 476W-08 R20 TS35	51,70
VHM 476W-10 R20 TS35	66,50
VHM 476W-12 R20 TS35	81,60
VHM 476W-16 R20 TS35	125,30
VHM 476W-20 R20 TS35	182,70
VHM 476W-12 R25 TS35	81,60
VHM 476W-16 R25 TS35	125,30
VHM 476W-20 R25 TS35	182,70
VHM 476W-16 R30 TS35	125,30
VHM 476W-20 R30 TS35	182,70
VHM 476W-16 R40 TS35	125,30
VHM 476W-20 R40 TS35	182,70

441W R Ti08 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc,
Fresa a candela di metallo duro

Catalogue 2018 Page III-56



Order-No.	Euro/Piece
VHM 441W-03 R03 Ti08	38,50
VHM 441W-04 R04 Ti08	38,50
VHM 441W-05 R05 Ti08	38,50
VHM 441W-06 R05 Ti08	39,50
VHM 441W-08 R05 Ti08	47,40
VHM 441W-10 R05 Ti08	57,00
VHM 441W-12 R05 Ti08	69,60
VHM 441W-05 R10 Ti08	38,50
VHM 441W-06 R10 Ti08	39,50
VHM 441W-08 R10 Ti08	47,40
VHM 441W-10 R10 Ti08	57,00
VHM 441W-12 R10 Ti08	69,60
VHM 441W-16 R10 Ti08	97,30
VHM 441W-20 R10 Ti08	138,10
VHM 441W-08 R20 Ti08	47,40
VHM 441W-10 R20 Ti08	57,00
VHM 441W-12 R20 Ti08	69,60
VHM 441W-16 R20 Ti08	97,30
VHM 441W-20 R20 Ti08	138,10
VHM 441W-12 R30 Ti08	69,60
VHM 441W-16 R30 Ti08	97,30
VHM 441W-20 R30 Ti08	138,10
VHM 441W-12 R40 Ti08	69,60
VHM 441W-16 R40 Ti08	97,30
VHM 441W-20 R40 Ti08	138,10

284(W) TN12 + 285(W) TN12 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-58



Order-No.	Euro/Piece
VHM 284-02 TN12	26,40
VHM 284-03 TN12	26,40
VHM 284-04 TN12	26,40
VHM 284-05 TN12	28,10
VHM 284W-06 TN12	28,10
VHM 284W-08 TN12	35,40
VHM 284W-10 TN12	47,60
VHM 284W-12 TN12	52,70
VHM 284W-16 TN12	79,00
VHM 284W-20 TN12	120,50

Catalogue 2018 Page III-60



Order-No.	Euro/Piece
VHM 285-02 TN12	26,40
VHM 285-03 TN12	26,40
VHM 285-04 TN12	26,40
VHM 285-05 TN12	28,10
VHM 285W-06 TN12	28,10
VHM 285W-08 TN12	35,40
VHM 285W-10 TN12	47,60
VHM 285W-12 TN12	52,70
VHM 285W-16 TN12	79,00
VHM 285W-20 TN12	120,50

484(W) TN12 + 485(W) TN12 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-62



Order-No.	Euro/Piece
VHM 484-02 TN12	28,60
VHM 484-03 TN12	28,60
VHM 484-04 TN12	28,60
VHM 484-05 TN12	30,20
VHM 484W-06 TN12	30,20
VHM 484W-08 TN12	37,60
VHM 484W-10 TN12	52,90
VHM 484W-12 TN12	54,90
VHM 484W-16 TN12	81,10
VHM 484W-20 TN12	122,70

Catalogue 2018 Page III-64



Order-No.	Euro/Piece
VHM 485-02 TN12	28,60
VHM 485-03 TN12	28,60
VHM 485-04 TN12	28,60
VHM 485-05 TN12	30,20
VHM 485W-06 TN12	30,20
VHM 485W-08 TN12	37,60
VHM 485W-10 TN12	52,90
VHM 485W-12 TN12	54,90
VHM 485W-16 TN12	81,10
VHM 485W-20 TN12	122,70

236 / 237 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-66



Order-No.	Euro/Piece
VHM 236-02 HX63	52,80
VHM 236-03 HX63	51,50
VHM 236-04 HX63	50,10
VHM 236-05 HX63	48,80
VHM 236-06 HX63	47,50
VHM 236-07 HX63	62,80
VHM 236-08 HX63	59,80
VHM 236-10 HX63	75,30
VHM 236-12 HX63	97,40
VHM 236-16 HX63	132,30

Catalogue 2018 Page III-68



Order-No.	Euro/Piece
VHM 237-02 HX63	55,70
VHM 237-03 HX63	54,40
VHM 237-04 HX63	52,80
VHM 237-05 HX63	51,50
VHM 237-06 HX63	50,10
VHM 237-07 HX63	72,40
VHM 237-08 HX63	69,70
VHM 237-10 HX63	82,30
VHM 237-12 HX63	109,90
VHM 237-16 HX63	169,90

236 / 237 HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-70



Order-No.	Euro/Piece
VHM 236-02 HX70	57,10
VHM 236-03 HX70	55,70
VHM 236-04 HX70	54,40
VHM 236-05 HX70	52,80
VHM 236-06 HX70	51,50
VHM 236-07 HX70	73,70
VHM 236-08 HX70	69,70
VHM 236-10 HX70	83,60
VHM 236-12 HX70	103,00
VHM 236-16 HX70	153,10

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Order-No.	Euro/Piece
VHM 237-02 HX70	61,40
VHM 237-03 HX70	59,80
VHM 237-04 HX70	58,40
VHM 237-05 HX70	57,10
VHM 237-06 HX70	55,70
VHM 237-07 HX70	82,30
VHM 237-08 HX70	76,50
VHM 237-10 HX70	91,80
VHM 237-12 HX70	107,20
VHM 237-16 HX70	189,30

238 / 239 HX63 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-74



Order-No.	Euro/Piece
VHM 238-02 HX63	51,10
VHM 238-03 HX63	48,40
VHM 238-04 HX63	48,70
VHM 238-05 HX63	49,00
VHM 238-06 HX63	53,60
VHM 238-08 HX63	67,20
VHM 238-10 HX63	80,00
VHM 238-12 HX63	103,40
VHM 238-16 HX63	150,20

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Order-No.	Euro/Piece
VHM 239-02 HX63	58,20
VHM 239-03 HX63	52,20
VHM 239-04 HX63	53,00
VHM 239-05 HX63	53,80
VHM 239-06 HX63	58,20
VHM 239-08 HX63	75,10
VHM 239-10 HX63	93,30
VHM 239-12 HX63	116,20
VHM 239-16 HX63	180,80

238 / 239 HX70 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page III-78



Order-No.	Euro/Piece
VHM 238-02 HX70	54,60
VHM 238-03 HX70	53,80
VHM 238-04 HX70	51,20
VHM 238-05 HX70	50,80
VHM 238-06 HX70	55,50
VHM 238-08 HX70	70,10
VHM 238-10 HX70	82,70
VHM 238-12 HX70	107,30
VHM 238-16 HX70	156,40

Catalogue 2018 Page III-80



Order-No.	Euro/Piece
VHM 239-02 HX70	60,70
VHM 239-03 HX70	57,40
VHM 239-04 HX70	54,90
VHM 239-05 HX70	55,80
VHM 239-06 HX70	60,70
VHM 239-08 HX70	79,30
VHM 239-10 HX70	96,80
VHM 239-12 HX70	120,80
VHM 239-16 HX70	189,10

VHC-Fräser für trochoidale Bearbeitung

Solid carbide cutters for trochoidal milling

Fraises carbure monobloc destinées à l'usinage trochoïdal

Frese in m.d. per le fresatura trocoidale

516W VHC Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page IV-2



Order-No.	Euro/Piece
VHC 516W-06 T110	50,90
VHC 516W-08 T110	66,50
VHC 516W-10 T110	86,20
VHC 516W-12 T110	108,10
VHC 516W-16 T110	173,50
VHC 516W-20 T110	273,30

526W VHC Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page IV-4



Order-No.	Euro/Piece
VHC 526W-06 T108	59,20
VHC 526W-08 T108	76,90
VHC 526W-10 T108	99,70
VHC 526W-12 T108	123,60
VHC 526W-16 T108	206,80
VHC 526W-20 T108	300,30

555W VHC Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page IV-6



Order-No.	Euro/Piece
VHC 555W-03 R01 T108	47,80
VHC 555W-04 R01 T108	47,80
VHC 555W-05 R01 T108	47,80
VHC 555W-06 R01 T108	47,80
VHC 555W-08 R02 T108	60,30
VHC 555W-10 R02 T108	94,50
VHC 555W-12 R03 T108	127,80
VHC 555W-16 R03 T108	248,30
VHC 555W-20 R03 T108	310,70

567W VHC Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page IV-8



Order-No.	Euro/Piece
VHC 567W-04 R01 HX70	46,80
VHC 567W-05 R01 HX70	46,80
VHC 567W-06 R01 HX70	46,80
VHC 567W-08 R02 HX70	57,10
VHC 567W-10 R02 HX70	74,80
VHC 567W-12 R03 HX70	99,70
VHC 567W-16 R03 HX70	196,40
VHC 567W-20 R04 HX70	310,70

VHM-Fräser zum Fasen und Entgraten

Solid carbide cutters for chamfering and deburring

Fraises carbure monobloc destinées au chanfreinage et à l'ébavurage

Frese in metallo duro per la smussatura e sbavatura

460 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page V-2



Order-No.	Euro/Piece
VHM 460-03-90 Ti10	44,70
VHM 460-04-90 Ti10	45,50
VHM 460-05-90 Ti10	46,00
VHM 460-06-90 Ti10	52,20
VHM 460-08-90 Ti10	78,20
VHM 460-10-90 Ti10	100,40
VHM 460-12-90 Ti10	116,70

461 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page V-4



Order-No.	Euro/Piece
VHM 461-04-60 Ti10	24,20
VHM 461-06-60 Ti10	29,50
VHM 461-08-60 Ti10	39,00
VHM 461-10-60 Ti10	49,10
VHM 461-12-60 Ti10	67,60
VHM 461-16-60 Ti10	103,20

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Order-No.	Euro/Piece
VHM 461-04-90 Ti10	24,10
VHM 461-06-90 Ti10	29,20
VHM 461-08-90 Ti10	36,70
VHM 461-10-90 Ti10	45,70
VHM 461-12-90 Ti10	66,10
VHM 461-16-90 Ti10	102,90

462 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page V-8



Order-No.	Euro/Piece
VHM 462-08 R05 Ti10	59,60
VHM 462-08 R10 Ti10	59,60
VHM 462-10 R15 Ti10	81,80
VHM 462-10 R20 Ti10	81,80
VHM 462-12 R25 Ti10	88,80
VHM 462-12 R30 Ti10	88,80
VHM 462-16 R35 Ti10	119,90
VHM 462-16 R40 Ti10	119,90
VHM 462-16 R45 Ti10	119,90
VHM 462-20 R50 Ti10	186,00
VHM 462-20 R60 Ti10	186,00

VHM-Microfräser für die Stahl-, Kupfer- und Hartbearbeitung (inkl. 3D-Bearbeitung)*Micro solid carbide cutters for machining steel, copper and hard materials (3D operations)**Micro fraises pour les usinages de l'acier, le cuivre et les usinages durs (y compris les usinages en 3D)**Microfresce per lavorazioni in acciaio, rame e materiali duri (incl lavorazioni 3D)***Type MNF Micro-Vollhartmetallfräser***Micro End Mills, VHM Micro-Fraises, VHM Micro*

Catalogue 2018 Page VI-2



Order-No.	Jongen-Code	Euro/Piece
MNF-0500-FG-MX70	MNF-2-050-120-012-3-MX70	43,70
MNF-0600-FG-MX70	MNF-2-060-150-015-3-MX70	41,00
MNF-0700-FG-MX70	MNF-2-070-180-018-3-MX70	45,40
MNF-0800-FG-MX70	MNF-2-080-180-018-3-MX70	44,90
MNF-0900-FG-MX70	MNF-2-090-190-019-3-MX70	42,30
MNF-1000-FG-MX70	MNF-2-100-200-020-3-MX70	40,30
MNF-1200-FG-MX70	MNF-2-120-250-025-4-MX70	49,90
MNF-1400-FG-MX70	MNF-2-140-300-030-4-MX70	46,40
MNF-1500-FG-MX70	MNF-2-150-400-040-4-MX70	48,20
MNF-1600-FG-MX70	MNF-2-160-400-040-4-MX70	48,60
MNF-1800-FG-MX70	MNF-2-180-450-045-4-MX70	49,20
MNF-2000-FG-MX70	MNF-2-200-500-050-4-MX70	47,10

Order-No.	Jongen-Code	Euro/Piece
MNF-0501-EF-MX70	MNF-2-050-075-020-4-MX70	41,20
MNF-0502-EF-MX70	MNF-2-050-075-040-4-MX70	41,20
MNF-0503-EF-MX70	MNF-2-050-075-060-4-MX70	41,20
MNF-0601-EF-MX70	MNF-2-060-090-040-4-MX70	41,20
MNF-0602-EF-MX70	MNF-2-060-090-080-4-MX70	41,20
MNF-0701-EF-MX70	MNF-2-070-105-040-4-MX70	41,20
MNF-0702-EF-MX70	MNF-2-070-105-090-4-MX70	41,20
MNF-0801-EF-MX70	MNF-2-080-120-040-4-MX70	41,20
MNF-0802-EF-MX70	MNF-2-080-120-080-4-MX70	41,20
MNF-0803-EF-MX70	MNF-2-080-120-110-4-MX70	41,20
MNF-0901-EF-MX70	MNF-2-090-135-060-4-MX70	41,20
MNF-0902-EF-MX70	MNF-2-090-135-120-4-MX70	41,20
MNF-1001-EF-MX70	MNF-2-100-150-060-4-MX70	41,20
MNF-1002-EF-MX70	MNF-2-100-150-080-4-MX70	41,20
MNF-1003-EF-MX70	MNF-2-100-150-100-4-MX70	41,20
MNF-1004-EF-MX70	MNF-2-100-150-120-4-MX70	41,20
MNF-1005-EF-MX70	MNF-2-100-150-140-4-MX70	41,20
MNF-1201-EF-MX70	MNF-2-120-180-060-4-MX70	41,20
MNF-1202-EF-MX70	MNF-2-120-180-120-4-MX70	41,20
MNF-1401-EF-MX70	MNF-2-140-210-060-4-MX70	41,20
MNF-1402-EF-MX70	MNF-2-140-210-100-4-MX70	41,20
MNF-1403-EF-MX70	MNF-2-140-210-160-4-MX70	41,20
MNF-1501-EF-MX70	MNF-2-150-225-060-4-MX70	41,20
MNF-1502-EF-MX70	MNF-2-150-225-120-4-MX70	41,20
MNF-1503-EF-MX70	MNF-2-150-225-180-4-MX70	41,20
MNF-1504-EF-MX70	MNF-2-150-225-210-4-MX70	41,20
MNF-1601-EF-MX70	MNF-2-160-240-060-4-MX70	41,20
MNF-1602-EF-MX70	MNF-2-160-240-120-4-MX70	41,20
MNF-1603-EF-MX70	MNF-2-160-240-200-4-MX70	41,20
MNF-1801-EF-MX70	MNF-2-180-270-080-4-MX70	41,20
MNF-1802-EF-MX70	MNF-2-180-270-140-4-MX70	41,20
MNF-1803-EF-MX70	MNF-2-180-270-200-4-MX70	41,20
MNF-2001-EF-MX70	MNF-2-200-300-080-4-MX70	41,20
MNF-2002-EF-MX70	MNF-2-200-300-120-4-MX70	41,20
MNF-2003-EF-MX70	MNF-2-200-300-160-4-MX70	41,20
MNF-2004-EF-MX70	MNF-2-200-300-200-4-MX70	41,20
MNF-2005-EF-MX70	MNF-2-200-300-280-4-MX70	41,20

Type MNT Micro-Vollhartmetallfräser

Micro End Mills, VHM Micro-Fraises, VHM Micro

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Order-No.	Jongen-Code	Euro/Piece
MNT-0500-BC-MX70	MNT-2-050-035-030-4-R10 MX70	41,20
MNT-0501-DE-MX70	MNT-2-050-035-040-4-R10 MX70	41,20
MNT-0502-KL-MX70	MNT-2-050-035-050-4-R10 MX70	41,20
MNT-0503-MN-MX70	MNT-2-050-035-060-4-R10 MX70	41,20
MNT-0600-BC-MX70	MNT-2-060-040-040-4-R10 MX70	41,20
MNT-0601-DE-MX70	MNT-2-060-040-060-4-R10 MX70	41,20
MNT-0800-BC-MX70	MNT-2-080-050-040-4-R20 MX70	41,20
MNT-0801-DE-MX70	MNT-2-080-050-060-4-R20 MX70	41,20
MNT-1000-BC-MX70	MNT-2-100-080-040-4-R20 MX70	41,20
MNT-1001-DE-MX70	MNT-2-100-080-060-4-R20 MX70	41,20
MNT-1002-KL-MX70	MNT-2-100-080-080-4-R20 MX70	41,20
MNT-1003-MN-MX70	MNT-2-100-080-100-4-R20 MX70	41,20
MNT-1004-OP-MX70	MNT-2-100-080-120-4-R20 MX70	41,20
MNT-1005-UV-MX70	MNT-2-100-080-140-4-R20 MX70	41,20
MNT-1500-BC-MX70	MNT-2-150-135-080-4-R20 MX70	41,20
MNT-1501-DE-MX70	MNT-2-150-135-120-4-R20 MX70	41,20
MNT-1502-KL-MX70	MNT-2-150-135-150-4-R20 MX70	41,20
MNT-1503-MN-MX70	MNT-2-150-135-200-4-R20 MX70	41,20
MNT-2000-BC-MX70	MNT-2-200-170-080-4-R20 MX70	41,20
MNT-2001-DE-MX70	MNT-2-200-170-120-4-R20 MX70	41,20
MNT-2002-KL-MX70	MNT-2-200-170-160-4-R20 MX70	41,20
MNT-2003-MN-MX70	MNT-2-200-170-200-4-R20 MX70	41,20
MNT-2004-OP-MX70	MNT-2-200-170-080-4-R50 MX70	41,20
MNT-2005-UV-MX70	MNT-2-200-170-120-4-R50 MX70	41,20
MNT-2006-WX-MX70	MNT-2-200-170-160-4-R50 MX70	41,20
MNT-2007-YZ-MX70	MNT-2-200-170-200-4-R50 MX70	41,20

Type MKT Micro-Vollhartmetallfräser

Micro End Mills, VHM Micro-Fraises, VHM Micro

Catalogue 2018 Page VI-20



Order-No.	Jongen-Code	Euro/Piece
MKT-0500-HK-MX70	MKT-2-050-035-030-4-R10-MX70	58,10
MKT-0501-LM-MX70	MKT-2-050-035-045-4-R10-MX70	58,90
MKT-0502-NO-MX70	MKT-2-050-035-060-4-R10-MX70	58,40
MKT-0600-HK-MX70	MKT-2-060-040-040-4-R10-MX70	57,30
MKT-0601-LM-MX70	MKT-2-060-040-060-4-R10-MX70	58,40
MKT-0800-HK-MX70	MKT-2-080-050-040-4-R20-MX70	55,80
MKT-0801-LM-MX70	MKT-2-080-050-060-4-R20-MX70	56,90
MKT-1000-HK-MX70	MKT-2-100-080-040-4-R20-MX70	53,80
MKT-1001-LM-MX70	MKT-2-100-080-080-4-R20-MX70	55,80
MKT-1002-NO-MX70	MKT-2-100-080-120-4-R20-MX70	58,00
MKT-1500-HK-MX70	MKT-2-150-135-080-4-R20-MX70	55,30
MKT-1501-LM-MX70	MKT-2-150-135-120-4-R20-MX70	57,40
MKT-1502-NO-MX70	MKT-2-150-135-160-4-R20-MX70	59,60
MKT-2000-HK-MX70	MKT-2-200-170-080-4-R20-MX70	54,20
MKT-2001-LM-MX70	MKT-2-200-170-120-4-R20-MX70	56,70
MKT-2002-NO-MX70	MKT-2-200-170-160-4-R20-MX70	58,80
MKT-2003-PR-MX70	MKT-2-200-170-080-4-R50-MX70	54,20
MKT-2004-ST-MX70	MKT-2-200-170-120-4-R50-MX70	56,70
MKT-2005-VW-MX70	MKT-2-200-170-160-4-R50-MX70	58,80

Type MNK Micro-Vollhartmetallfräser

Micro End Mills, VHM Micro-Fraises, VHM Micro

Catalogue 2018 Page V-24



Order-No.	Jongen-Code	Euro/Piece
MNK-0500-CD-MX70	MNK-2-050-100-010-3-MX70	55,80
MNK-0600-CD-MX70	MNK-2-060-150-015-3-MX70	50,90
MNK-0800-CD-MX70	MNK-2-080-200-020-3-MX70	52,10
MNK-1000-CD-MX70	MNK-2-100-220-022-3-MX70	51,10
MNK-1200-CD-MX70	MNK-2-120-220-022-3-MX70	55,80
MNK-1400-CD-MX70	MNK-2-140-240-024-3-MX70	51,70
MNK-1500-CD-MX70	MNK-2-150-250-025-3-MX70	48,10
MNK-1600-CD-MX70	MNK-2-160-260-026-3-MX70	48,10
MNK-1800-CD-MX70	MNK-2-180-290-029-3-MX70	48,90
MNK-2000-CD-MX70	MNK-2-200-300-030-3-MX70	49,20

Order-No.	Jongen-Code	Euro/Piece
MNK-0501-GH-MX70	MNK-2-050-035-040-4-MX70	41,20
MNK-0502-GH-MX70	MNK-2-050-035-060-4-MX70	41,20
MNK-0601-GH-MX70	MNK-2-060-040-040-4-MX70	41,20
MNK-0602-GH-MX70	MNK-2-060-040-060-4-MX70	41,20
MNK-0801-GH-MX70	MNK-2-080-050-020-4-MX70	41,20
MNK-0802-GH-MX70	MNK-2-080-050-060-4-MX70	41,20
MNK-0803-GH-MX70	MNK-2-080-050-100-4-MX70	41,20
MNK-1001-GH-MX70	MNK-2-100-080-025-4-MX70	41,20
MNK-1002-GH-MX70	MNK-2-100-080-040-4-MX70	41,20
MNK-1003-GH-MX70	MNK-2-100-080-060-4-MX70	41,20
MNK-1004-GH-MX70	MNK-2-100-080-080-4-MX70	41,20
MNK-1005-GH-MX70	MNK-2-100-080-100-4-MX70	41,20
MNK-1006-GH-MX70	MNK-2-100-080-120-4-MX70	41,20
MNK-1007-GH-MX70	MNK-2-100-080-140-4-MX70	41,20
MNK-1201-GH-MX70	MNK-2-120-110-080-4-MX70	41,20
MNK-1202-GH-MX70	MNK-2-120-110-120-4-MX70	41,20
MNK-1401-GH-MX70	MNK-2-140-130-080-4-MX70	41,20
MNK-1402-GH-MX70	MNK-2-140-130-160-4-MX70	41,20
MNK-1501-GH-MX70	MNK-2-150-135-080-4-MX70	41,20
MNK-1502-GH-MX70	MNK-2-150-135-120-4-MX70	41,20
MNK-1503-GH-MX70	MNK-2-150-135-200-4-MX70	41,20
MNK-1601-GH-MX70	MNK-2-160-140-120-4-MX70	41,20
MNK-1602-GH-MX70	MNK-2-160-140-200-4-MX70	41,20
MNK-1801-GH-MX70	MNK-2-180-160-120-4-MX70	41,20
MNK-1802-GH-MX70	MNK-2-180-160-200-4-MX70	41,20
MNK-2001-GH-MX70	MNK-2-200-170-050-4-MX70	41,20
MNK-2002-GH-MX70	MNK-2-200-170-080-4-MX70	41,20
MNK-2003-GH-MX70	MNK-2-200-170-120-4-MX70	41,20
MNK-2004-GH-MX70	MNK-2-200-170-160-4-MX70	41,20
MNK-2005-GH-MX70	MNK-2-200-170-200-4-MX70	41,20
MNK-2006-GH-MX70	MNK-2-200-170-240-4-MX70	41,20
MNK-2007-GH-MX70	MNK-2-200-170-280-4-MX70	41,20

Type MKK Micro-Vollhartmetallfräser

Micro End Mills, VHM Micro-Fraises, VHM Micro

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Order-No.	Jongen-Code	Euro/Piece
MKK-0500-AB-MX70	MKK-2-050-035-030-6-MX70	62,50
MKK-0600-AB-MX70	MKK-2-060-040-040-6-MX70	59,60
MKK-0800-AB-MX70	MKK-2-080-050-050-6-MX70	59,80
MKK-1000-AB-MX70	MKK-2-100-080-060-6-MX70	57,50
MKK-1200-AB-MX70	MKK-2-120-102-080-6-MX70	57,50
MKK-1500-AB-MX70	MKK-2-150-135-080-6-MX70	58,50
MKK-2000-AB-MX70	MKK-2-200-170-100-6-MX70	58,20

VHM-Spezialfräser

Solid carbide cutters for special milling operations

Fraises carbure monobloc spéciales

Frese in metallo duro per applicazioni specifiche

650 Vollhartmetallfräser

Solid carbide cutters, Fraise carbure monobloc, Fresa a candela di metallo duro

Catalogue 2018 Page VII-2



Order-No.	Euro/Piece
VHM 650W-12,5-6 TS35	288,20
VHM 650W-16-8 TS35	344,90
VHM 650W-18-8 TS35	359,20
VHM 650W-21-9 TS35	409,40
VHM 650W-25-11 TS35	474,90
VHM 650W-28-12 TS35	544,70
VHM 650W-32-14 TS35	632,10

GDH-Fräser für Graphit

Tools for the graphite processing

Outils pour l'usinage du graphite

Utensili per la lavorazione della grafite

212 / 213 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

Catalogue 2018 Page VIII-2

	Order-No.	Euro/Piece
	GDH 212-005 R005 GD06	58,80
	GDH 212-006 R006 GD06	58,80
	GDH 212-008 R008 GD06	58,80
	GDH 212-01 R01 GD06	58,80
	GDH 212-012 R012 GD06	58,80
	GDH 212-015 R015 GD06	58,80
	GDH 212-02 R02 GD06	58,80
	GDH 212-03 R03 GD06	61,70
	GDH 212-04 R05 GD06	67,40
	GDH 212-05 R05 GD06	72,60
	GDH 212-06 R05 GD06	77,80
	GDH 212-08 R05 GD06	95,20
	GDH 212-10 R05 GD06	125,70
	GDH 212-12 R05 GD06	154,80
	GDH 212-06 R10 GD06	77,80
	GDH 212-08 R10 GD06	95,20
	GDH 212-10 R10 GD06	125,70
	GDH 212-12 R10 GD06	154,80

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	Order-No.	Euro/Piece
	GDH 213-005 R005 GD06	58,80
	GDH 213-006 R006 GD06	58,80
	GDH 213-008 R008 GD06	58,80
	GDH 213-01 R01 GD06	58,80
	GDH 213-012 R012 GD06	58,80
	GDH 213-015 R015 GD06	58,80
	GDH 213-02 R02 GD06	58,80
	GDH 213-03 R03 GD06	61,70
	GDH 213-04 R05 GD06	67,40
	GDH 213-05 R05 GD06	72,60
	GDH 213-06 R05 GD06	77,80
	GDH 213-08 R05 GD06	100,80
	GDH 213-10 R05 GD06	128,30
	GDH 213-12 R05 GD06	159,00
	GDH 213-06 R10 GD06	77,80
	GDH 213-08 R10 GD06	100,80
	GDH 213-10 R10 GD06	128,30
	GDH 213-12 R10 GD06	159,00

214 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

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	Order-No.	Euro/Piece
	GDH 214-005 R005 GD06	58,80
	GDH 214-006 R006 GD06	58,80
	GDH 214-008 R008 GD06	58,80
	GDH 214-01 R01 GD06	58,80
	GDH 214-03 R03 GD06	61,70

.74 / .76 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

Catalogue 2018 Page VIII-14

	Order-No.	Euro/Piece
	GDH 374-03 R03 GD06	58,90
	GDH 374-04 R03 GD06	58,90
	GDH 374-05 R03 GD06	58,90
	GDH 374-06 R03 GD06	58,90
	GDH 474-08 R05 GD06	91,50
	GDH 474-10 R05 GD06	107,00
	GDH 474-12 R05 GD06	144,40

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	Order-No.	Euro/Piece
	GDH 376-03 R03 GD06	75,80
	GDH 376-04 R03 GD06	75,80
	GDH 376-05 R03 GD06	75,80
	GDH 376-06 R05 GD06	80,30
	GDH 476-08 R05 GD06	100,80
	GDH 476-10 R05 GD06	132,90
	GDH 476-08 R10 GD06	100,80
	GDH 476-10 R10 GD06	132,90
	GDH 476-12 R10 GD06	162,10

222 /223 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

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Order-No.	Euro/Piece
GDH 222-01 GD06	62,00
GDH 222-015 GD06	62,00
GDH 222-02 GD06	62,00
GDH 222-03 GD06	62,00
GDH 222-04 GD06	62,00
GDH 222-05 GD06	72,60
GDH 222-06 GD06	72,60
GDH 222-08 GD06	78,10
GDH 222-10 GD06	113,30
GDH 222-12 GD06	150,70

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Order-No.	Euro/Piece
GDH 223-01 GD06	62,00
GDH 223-015 GD06	62,00
GDH 223-02 GD06	62,00
GDH 223-03 GD06	62,00
GDH 223-04 GD06	62,00
GDH 223-05 GD06	72,60
GDH 223-06 GD06	72,60
GDH 223-08 GD06	100,80
GDH 223-10 GD06	121,00
GDH 223-12 GD06	150,70

227 / 228 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

Catalogue 2018 Page VIII-30



Order-No.	Euro/Piece
GDH 227-01 GD06	61,00
GDH 227-015 GD06	61,00
GDH 227-02 GD06	61,00

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Order-No.	Euro/Piece
GDH 228-01 GD06	61,00
GDH 228-015 GD06	61,00
GDH 228-02 GD06	61,00
GDH 228-03 GD06	61,00

230 /231 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

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Order-No.	Euro/Piece
GDH 230-005 GD06	61,00
GDH 230-006 GD06	61,00
GDH 230-008 GD06	61,00
GDH 230-01 GD06	61,00
GDH 230-012 GD06	61,00
GDH 230-015 GD06	61,00
GDH 230-02 GD06	61,00
GDH 230-03 GD06	61,00
GDH 230-04 GD06	68,50
GDH 230-05 GD06	72,20
GDH 230-06 GD06	78,10
GDH 230-08 GD06	88,10
GDH 230-10 GD06	119,10
GDH 230-12 GD06	148,10

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Order-No.	Euro/Piece
GDH 231-005 GD06	61,00
GDH 231-006 GD06	61,00
GDH 231-008 GD06	61,00
GDH 231-01 GD06	61,00
GDH 231-012 GD06	61,00
GDH 231-015 GD06	61,00
GDH 231-02 GD06	61,00
GDH 231-03 GD06	61,00
GDH 231-04 GD06	68,50
GDH 231-05 GD06	72,20
GDH 231-06 GD06	78,10
GDH 231-08 GD06	92,40
GDH 231-10 GD06	119,10
GDH 231-12 GD06	148,10

.24 GDH-Vollhartmetallfräser

GDH Solid carbide cutters, GDH Fraise carbure monobloc, GDH Fresa a candela di metallo duro

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Order-No.	Euro/Piece
GDH 324-05 GD06	72,60
GDH 324-06 GD06	72,60
GDH 324-08 GD06	120,50
GDH 424-10 GD06	121,00
GDH 424-12 GD06	150,70

VHM-Bohrwerkzeuge

Solid carbide drills

Forets

Punte integrali di metallo duro

VHB 55505A Vollhartmetallbohrer DIN 6535-HA

Solid carbide drills, Forets, Punte integrali di metallo duro

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Order-No.	Euro/Piece
VHB 55505A-0200 DR20	39,60
VHB 55505A-0210 DR20	39,60
VHB 55505A-0220 DR20	39,60
VHB 55505A-0230 DR20	39,60
VHB 55505A-0240 DR20	39,60
VHB 55505A-0250 DR20	39,60
VHB 55505A-0260 DR20	39,60
VHB 55505A-0270 DR20	39,60
VHB 55505A-0280 DR20	39,60
VHB 55505A-0290 DR20	39,60
VHB 55505A-0300 DR20	39,60
VHB 55505A-0310 DR20	39,60
VHB 55505A-0320 DR20	39,60
VHB 55505A-0330 DR20	39,60
VHB 55505A-0340 DR20	39,60
VHB 55505A-0350 DR20	39,60
VHB 55505A-0360 DR20	39,60
VHB 55505A-0370 DR20	39,60
VHB 55505A-0380 DR20	42,60
VHB 55505A-0390 DR20	42,60
VHB 55505A-0400 DR20	42,60
VHB 55505A-0410 DR20	42,60
VHB 55505A-0420 DR20	42,60
VHB 55505A-0430 DR20	42,60
VHB 55505A-0440 DR20	42,60
VHB 55505A-0450 DR20	42,60
VHB 55505A-0460 DR20	42,60
VHB 55505A-0465 DR20	42,60
VHB 55505A-0470 DR20	42,60
VHB 55505A-0480 DR20	49,50
VHB 55505A-0490 DR20	49,50
VHB 55505A-0500 DR20	49,50
VHB 55505A-0510 DR20	49,50
VHB 55505A-0520 DR20	49,50
VHB 55505A-0530 DR20	49,50
VHB 55505A-0540 DR20	49,50
VHB 55505A-0550 DR20	49,50
VHB 55505A-0560 DR20	49,50
VHB 55505A-0570 DR20	49,50
VHB 55505A-0580 DR20	49,50
VHB 55505A-0590 DR20	49,50

Order-No.	Euro/Piece
VHB 55505A-0600 DR20	49,50
VHB 55505A-0610 DR20	49,50
VHB 55505A-0620 DR20	49,50
VHB 55505A-0630 DR20	49,50
VHB 55505A-0640 DR20	49,50
VHB 55505A-0650 DR20	49,50
VHB 55505A-0660 DR20	49,50
VHB 55505A-0670 DR20	49,50
VHB 55505A-0680 DR20	49,50
VHB 55505A-0690 DR20	49,50
VHB 55505A-0700 DR20	49,50
VHB 55505A-0710 DR20	49,50
VHB 55505A-0720 DR20	49,50
VHB 55505A-0730 DR20	49,50
VHB 55505A-0740 DR20	49,50
VHB 55505A-0745 DR20	49,50
VHB 55505A-0750 DR20	49,50
VHB 55505A-0760 DR20	49,50
VHB 55505A-0770 DR20	49,50
VHB 55505A-0780 DR20	49,50
VHB 55505A-0790 DR20	49,50
VHB 55505A-0800 DR20	49,50
VHB 55505A-0810 DR20	65,60
VHB 55505A-0820 DR20	65,60
VHB 55505A-0830 DR20	65,60
VHB 55505A-0840 DR20	65,60
VHB 55505A-0850 DR20	65,60
VHB 55505A-0860 DR20	65,60
VHB 55505A-0870 DR20	65,60
VHB 55505A-0880 DR20	65,60
VHB 55505A-0890 DR20	65,60
VHB 55505A-0900 DR20	65,60
VHB 55505A-0910 DR20	65,60
VHB 55505A-0920 DR20	65,60
VHB 55505A-0930 DR20	65,60
VHB 55505A-0935 DR20	65,60
VHB 55505A-0940 DR20	65,60
VHB 55505A-0950 DR20	65,60
VHB 55505A-0960 DR20	65,60
VHB 55505A-0970 DR20	65,60
VHB 55505A-0980 DR20	65,60
VHB 55505A-0990 DR20	65,60

Order-No.	Euro/Piece
VHB 55505A-1000 DR20	65,60
VHB 55505A-1020 DR20	85,70
VHB 55505A-1030 DR20	85,70
VHB 55505A-1050 DR20	85,70
VHB 55505A-1060 DR20	85,70
VHB 55505A-1080 DR20	85,70
VHB 55505A-1100 DR20	85,70
VHB 55505A-1120 DR20	85,70
VHB 55505A-1130 DR20	85,70
VHB 55505A-1150 DR20	85,70
VHB 55505A-1180 DR20	85,70
VHB 55505A-1200 DR20	85,70
VHB 55505A-1210 DR20	112,70
VHB 55505A-1220 DR20	112,70
VHB 55505A-1250 DR20	112,70
VHB 55505A-1280 DR20	112,70
VHB 55505A-1300 DR20	112,70
VHB 55505A-1310 DR20	112,70
VHB 55505A-1320 DR20	112,70
VHB 55505A-1350 DR20	112,70
VHB 55505A-1380 DR20	112,70
VHB 55505A-1400 DR20	112,70
VHB 55505A-1410 DR20	134,70
VHB 55505A-1420 DR20	134,70
VHB 55505A-1450 DR20	134,70
VHB 55505A-1480 DR20	134,70
VHB 55505A-1500 DR20	134,70
VHB 55505A-1510 DR20	134,70
VHB 55505A-1520 DR20	134,70
VHB 55505A-1550 DR20	134,70
VHB 55505A-1560 DR20	134,70
VHB 55505A-1580 DR20	134,70
VHB 55505A-1600 DR20	134,70
VHB 55505A-1650 DR20	207,90
VHB 55505A-1680 DR20	207,90
VHB 55505A-1690 DR20	207,90
VHB 55505A-1700 DR20	207,90
VHB 55505A-1750 DR20	207,90
VHB 55505A-1760 DR20	207,90
VHB 55505A-1780 DR20	207,90
VHB 55505A-1800 DR20	207,90
VHB 55505A-1850 DR20	235,20
VHB 55505A-1880 DR20	235,20
VHB 55505A-1890 DR20	235,20
VHB 55505A-1900 DR20	235,20
VHB 55505A-1950 DR20	235,20
VHB 55505A-1980 DR20	235,20
VHB 55505A-2000 DR20	235,20

VHB 55505B Vollhartmetallbohrer DIN 6535-HB

Solid carbide drills, Forets, Punte integrali di metallo duro

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DIN 6535-HB

Order-No.	Euro/Piece
VHB 55505B-0300 DR20	41,10
VHB 55505B-0310 DR20	41,10
VHB 55505B-0320 DR20	41,10
VHB 55505B-0330 DR20	41,10
VHB 55505B-0340 DR20	41,10
VHB 55505B-0350 DR20	41,10
VHB 55505B-0360 DR20	41,10
VHB 55505B-0370 DR20	41,10
VHB 55505B-0380 DR20	44,20
VHB 55505B-0390 DR20	44,20
VHB 55505B-0400 DR20	44,20
VHB 55505B-0410 DR20	44,20
VHB 55505B-0420 DR20	44,20
VHB 55505B-0430 DR20	44,20
VHB 55505B-0440 DR20	44,20
VHB 55505B-0450 DR20	44,20
VHB 55505B-0460 DR20	44,20
VHB 55505B-0465 DR20	44,20
VHB 55505B-0470 DR20	44,20
VHB 55505B-0480 DR20	51,00
VHB 55505B-0490 DR20	51,00
VHB 55505B-0500 DR20	51,00
VHB 55505B-0510 DR20	51,00
VHB 55505B-0520 DR20	51,00
VHB 55505B-0530 DR20	51,00
VHB 55505B-0540 DR20	51,00
VHB 55505B-0550 DR20	51,00
VHB 55505B-0555 DR20	51,00
VHB 55505B-0560 DR20	51,00
VHB 55505B-0570 DR20	51,00
VHB 55505B-0580 DR20	51,00
VHB 55505B-0590 DR20	51,00
VHB 55505B-0600 DR20	51,00
VHB 55505B-0610 DR20	51,00
VHB 55505B-0620 DR20	51,00
VHB 55505B-0630 DR20	51,00
VHB 55505B-0640 DR20	51,00
VHB 55505B-0650 DR20	51,00
VHB 55505B-0660 DR20	51,00
VHB 55505B-0670 DR20	51,00
VHB 55505B-0680 DR20	51,00
VHB 55505B-0690 DR20	51,00

Order-No.	Euro/Piece
VHB 55505B-0700 DR20	51,00
VHB 55505B-0710 DR20	51,00
VHB 55505B-0720 DR20	51,00
VHB 55505B-0730 DR20	51,00
VHB 55505B-0740 DR20	51,00
VHB 55505B-0745 DR20	51,00
VHB 55505B-0750 DR20	51,00
VHB 55505B-0760 DR20	51,00
VHB 55505B-0770 DR20	51,00
VHB 55505B-0780 DR20	51,00
VHB 55505B-0790 DR20	51,00
VHB 55505B-0800 DR20	51,00
VHB 55505B-0810 DR20	67,10
VHB 55505B-0820 DR20	67,10
VHB 55505B-0830 DR20	67,10
VHB 55505B-0840 DR20	67,10
VHB 55505B-0850 DR20	67,10
VHB 55505B-0860 DR20	67,10
VHB 55505B-0870 DR20	67,10
VHB 55505B-0880 DR20	67,10
VHB 55505B-0890 DR20	67,10
VHB 55505B-0900 DR20	67,10
VHB 55505B-0910 DR20	67,10
VHB 55505B-0920 DR20	67,10
VHB 55505B-0930 DR20	67,10
VHB 55505B-0935 DR20	67,10
VHB 55505B-0940 DR20	67,10
VHB 55505B-0950 DR20	67,10
VHB 55505B-0960 DR20	67,10
VHB 55505B-0970 DR20	67,10
VHB 55505B-0980 DR20	67,10
VHB 55505B-0990 DR20	67,10
VHB 55505B-1000 DR20	67,10
VHB 55505B-1020 DR20	87,30
VHB 55505B-1030 DR20	87,30
VHB 55505B-1050 DR20	87,30
VHB 55505B-1060 DR20	87,30
VHB 55505B-1080 DR20	87,30

Order-No.	Euro/Piece
VHB 55505B-1100 DR20	87,30
VHB 55505B-1120 DR20	87,30
VHB 55505B-1130 DR20	87,30
VHB 55505B-1150 DR20	87,30
VHB 55505B-1180 DR20	87,30
VHB 55505B-1200 DR20	87,30
VHB 55505B-1210 DR20	114,30
VHB 55505B-1220 DR20	114,30
VHB 55505B-1250 DR20	114,30
VHB 55505B-1280 DR20	114,30
VHB 55505B-1300 DR20	114,30
VHB 55505B-1310 DR20	114,30
VHB 55505B-1320 DR20	114,30
VHB 55505B-1350 DR20	114,30
VHB 55505B-1380 DR20	114,30
VHB 55505B-1400 DR20	114,30
VHB 55505B-1410 DR20	136,20
VHB 55505B-1420 DR20	136,20
VHB 55505B-1450 DR20	136,20
VHB 55505B-1480 DR20	136,20
VHB 55505B-1500 DR20	136,20
VHB 55505B-1510 DR20	136,20
VHB 55505B-1520 DR20	136,20
VHB 55505B-1550 DR20	136,20
VHB 55505B-1560 DR20	136,20
VHB 55505B-1580 DR20	136,20
VHB 55505B-1600 DR20	136,20
VHB 55505B-1650 DR20	209,50
VHB 55505B-1680 DR20	209,50
VHB 55505B-1690 DR20	209,50
VHB 55505B-1700 DR20	209,50
VHB 55505B-1750 DR20	209,50
VHB 55505B-1760 DR20	209,50
VHB 55505B-1780 DR20	209,50
VHB 55505B-1800 DR20	209,50
VHB 55505B-1850 DR20	236,80
VHB 55505B-1880 DR20	236,80
VHB 55505B-1890 DR20	236,80
VHB 55505B-1900 DR20	236,80
VHB 55505B-1950 DR20	236,80
VHB 55505B-1980 DR20	236,80
VHB 55505B-2000 DR20	236,80

VHB 55505E Vollhartmetallbohrer DIN 6535-HE

Solid carbide drills, Forets, Punte integrali di metallo duro

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Order-No.	Euro/Piece
VHB 55505E-0300 DR20	41,10
VHB 55505E-0310 DR20	41,10
VHB 55505E-0320 DR20	41,10
VHB 55505E-0330 DR20	41,10
VHB 55505E-0340 DR20	41,10
VHB 55505E-0350 DR20	41,10
VHB 55505E-0360 DR20	41,10
VHB 55505E-0370 DR20	41,10
VHB 55505E-0380 DR20	44,20
VHB 55505E-0390 DR20	44,20
VHB 55505E-0400 DR20	44,20
VHB 55505E-0410 DR20	44,20
VHB 55505E-0420 DR20	44,20
VHB 55505E-0430 DR20	44,20
VHB 55505E-0440 DR20	44,20
VHB 55505E-0450 DR20	44,20
VHB 55505E-0460 DR20	44,20
VHB 55505E-0465 DR20	44,20
VHB 55505E-0470 DR20	44,20
VHB 55505E-0480 DR20	51,00
VHB 55505E-0490 DR20	51,00
VHB 55505E-0500 DR20	51,00
VHB 55505E-0510 DR20	51,00
VHB 55505E-0520 DR20	51,00
VHB 55505E-0530 DR20	51,00
VHB 55505E-0540 DR20	51,00
VHB 55505E-0550 DR20	51,00
VHB 55505E-0555 DR20	51,00
VHB 55505E-0560 DR20	51,00
VHB 55505E-0570 DR20	51,00
VHB 55505E-0580 DR20	51,00
VHB 55505E-0590 DR20	51,00
VHB 55505E-0600 DR20	51,00
VHB 55505E-0610 DR20	51,00
VHB 55505E-0620 DR20	51,00
VHB 55505E-0630 DR20	51,00
VHB 55505E-0640 DR20	51,00
VHB 55505E-0650 DR20	51,00
VHB 55505E-0660 DR20	51,00
VHB 55505E-0670 DR20	51,00
VHB 55505E-0680 DR20	51,00
VHB 55505E-0690 DR20	51,00

Order-No.	Euro/Piece
VHB 55505E-0700 DR20	51,00
VHB 55505E-0710 DR20	51,00
VHB 55505E-0720 DR20	51,00
VHB 55505E-0730 DR20	51,00
VHB 55505E-0740 DR20	51,00
VHB 55505E-0745 DR20	51,00
VHB 55505E-0750 DR20	51,00
VHB 55505E-0760 DR20	51,00
VHB 55505E-0770 DR20	51,00
VHB 55505E-0780 DR20	51,00
VHB 55505E-0790 DR20	51,00
VHB 55505E-0800 DR20	51,00
VHB 55505E-0810 DR20	67,10
VHB 55505E-0820 DR20	67,10
VHB 55505E-0830 DR20	67,10
VHB 55505E-0840 DR20	67,10
VHB 55505E-0850 DR20	67,10
VHB 55505E-0860 DR20	67,10
VHB 55505E-0870 DR20	67,10
VHB 55505E-0880 DR20	67,10
VHB 55505E-0890 DR20	67,10
VHB 55505E-0900 DR20	67,10
VHB 55505E-0910 DR20	67,10
VHB 55505E-0920 DR20	67,10
VHB 55505E-0930 DR20	67,10
VHB 55505E-0935 DR20	67,10
VHB 55505E-0940 DR20	67,10
VHB 55505E-0950 DR20	67,10
VHB 55505E-0960 DR20	67,10
VHB 55505E-0970 DR20	67,10
VHB 55505E-0980 DR20	67,10
VHB 55505E-0990 DR20	67,10
VHB 55505E-1000 DR20	67,10
VHB 55505E-1020 DR20	87,30
VHB 55505E-1030 DR20	87,30
VHB 55505E-1050 DR20	87,30
VHB 55505E-1060 DR20	87,30
VHB 55505E-1080 DR20	87,30

Order-No.	Euro/Piece
VHB 55505E-1100 DR20	87,30
VHB 55505E-1120 DR20	87,30
VHB 55505E-1130 DR20	87,30
VHB 55505E-1150 DR20	87,30
VHB 55505E-1180 DR20	87,30
VHB 55505E-1200 DR20	87,30
VHB 55505E-1210 DR20	114,30
VHB 55505E-1220 DR20	114,30
VHB 55505E-1250 DR20	114,30
VHB 55505E-1280 DR20	114,30
VHB 55505E-1300 DR20	114,30
VHB 55505E-1310 DR20	114,30
VHB 55505E-1320 DR20	114,30
VHB 55505E-1350 DR20	114,30
VHB 55505E-1380 DR20	114,30
VHB 55505E-1400 DR20	114,30
VHB 55505E-1410 DR20	136,20
VHB 55505E-1420 DR20	136,20
VHB 55505E-1450 DR20	136,20
VHB 55505E-1480 DR20	136,20
VHB 55505E-1500 DR20	136,20
VHB 55505E-1510 DR20	136,20
VHB 55505E-1520 DR20	136,20
VHB 55505E-1550 DR20	136,20
VHB 55505E-1560 DR20	136,20
VHB 55505E-1580 DR20	136,20
VHB 55505E-1600 DR20	136,20
VHB 55505E-1650 DR20	209,50
VHB 55505E-1680 DR20	209,50
VHB 55505E-1690 DR20	209,50
VHB 55505E-1700 DR20	209,50
VHB 55505E-1750 DR20	209,50
VHB 55505E-1760 DR20	209,50
VHB 55505E-1780 DR20	209,50
VHB 55505E-1800 DR20	209,50
VHB 55505E-1850 DR20	236,80
VHB 55505E-1880 DR20	236,80
VHB 55505E-1890 DR20	236,80
VHB 55505E-1900 DR20	236,80
VHB 55505E-1950 DR20	236,80
VHB 55505E-1980 DR20	236,80
VHB 55505E-2000 DR20	236,80

Numerisches Vollhartmetallfräserverzeichnis

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VHC 516W	58
VHC 526W	58
VHC 555W	58
VHC 567W	58
VHM .46W	51
VHM .47W	51
VHM .48W	51
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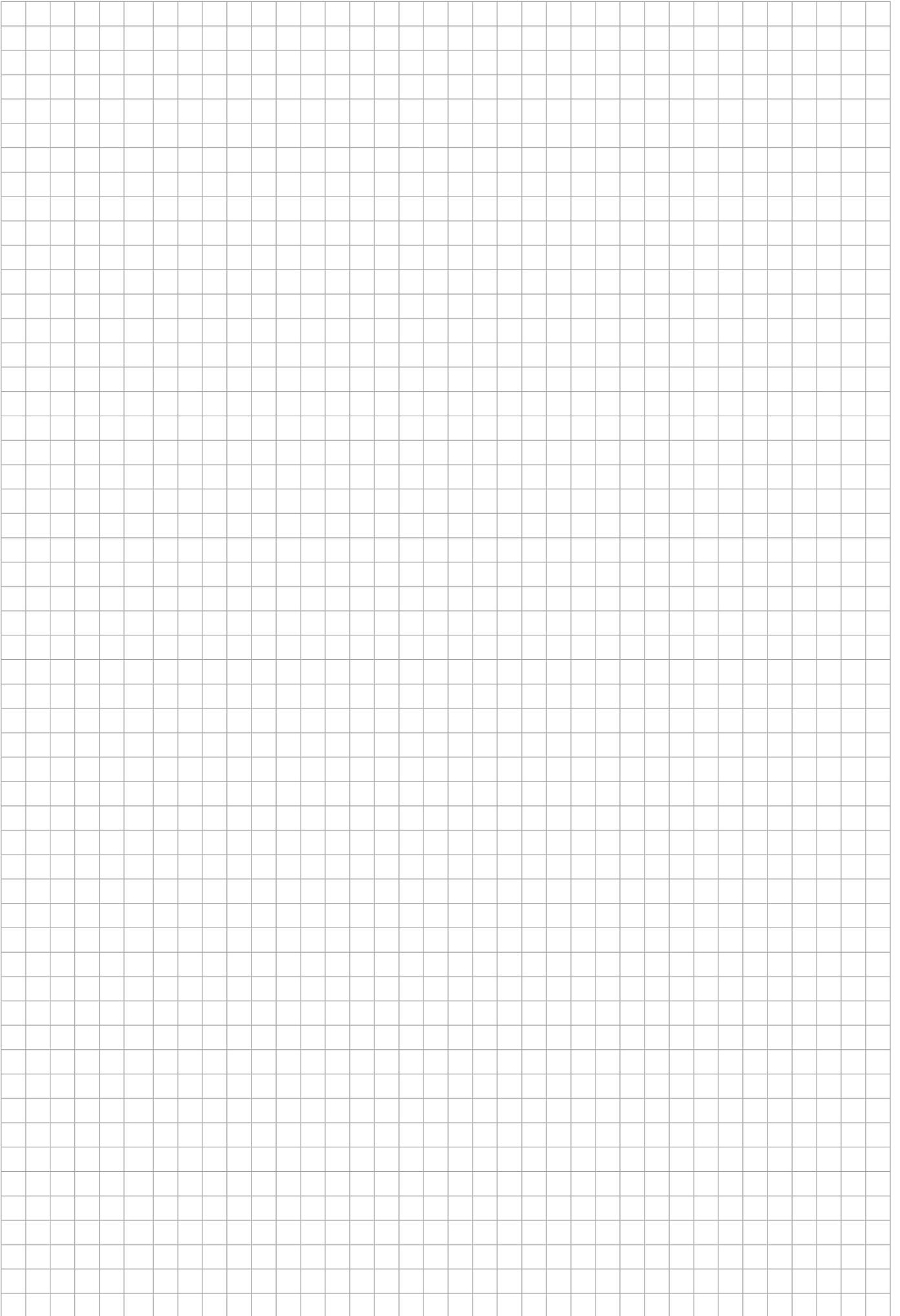
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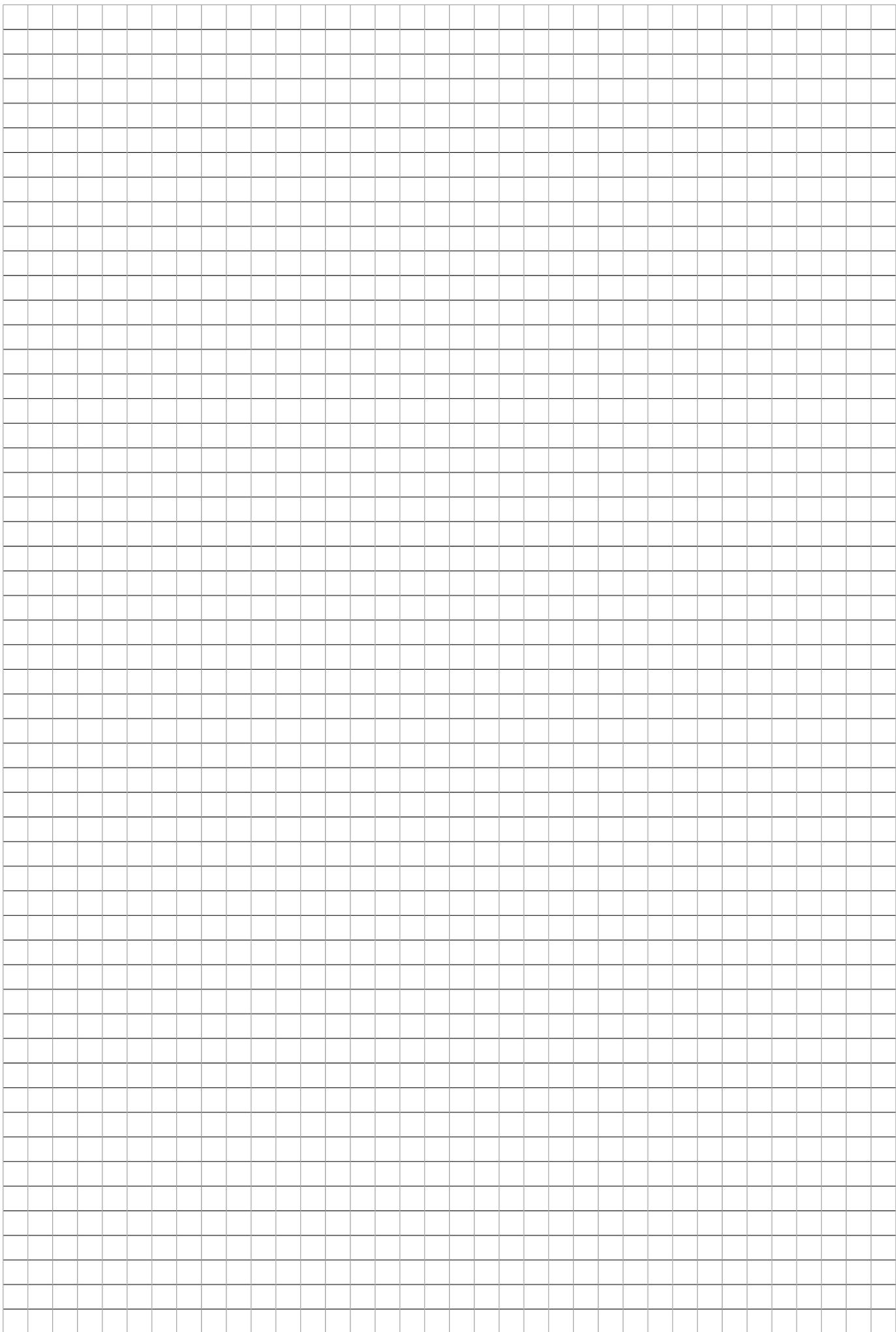
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