



■ Made
■ in
■ Germany



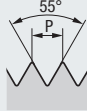
EMUGE

나사 밀링 커터 GF-Z 및 GF-Vario-Z 제품 추가

Programme Extensions of Thread Milling Cutters GF-Z and GF-Vario-Z

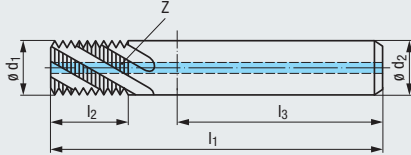
G Rp (BSPP), W

DIN EN ISO 228, DIN EN 10226-1, ISO 7/1, BS 84



내경 및 외경 나사용

For internal and external threads



VHM

R15

RH + LH

Z5 - Z8



DIN 6535



ø D



ø D



ø D

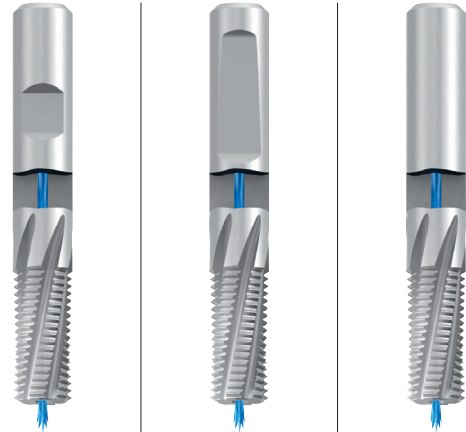


ø D



증가된 날 수

With increased number of flutes

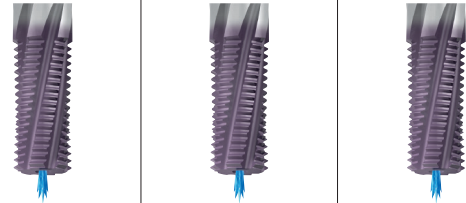


P 1.1-5.1 K 1.1-4.2 N 1.1-5, 2.1-6
N 3.1-2 N 4.1-2, 5.2 S 1.1-3

피삭 소재별 적용 범위는 EMUGE 카탈로그 140 의 282-283 페이지를 참조 바랍니다.
Range of application – material, see page 282-283 in EMUGE Tool Catalogue 140

P Gg/1" (tpi)	ø D _{min.}	ø d ₁ mm	ø d ₂	l ₁	l ₂	l ₃	Z	GF-Z-VHM R15-IKZ-HB		GF-Z-VHM R15-IKZ-HE		GF-Z-VHM R15-IKZ-HA	
19	G 1/4	9,9	10	70	20,7	40	6	GF165361.9545	●	GF165661.9545	●	GF165961.9545	●
14	G 1/2	11,9	12	80	26,3	45	5	GF165371.9548	●	GF165671.9548	●	GF165971.9548	●
14	G 1/2	15,9	16	90	33,6	48	6	GF165381.9548	●	GF165681.9548	●	GF165981.9548	●
14	G 3/4	19,9	20	105	40,8	50	8	GF165391.9548	○	GF165691.9548	○	GF165991.9548	○
11	G 1"	15,9	16	90	33,5	48	5	GF165381.9550	●	GF165681.9550	●	GF165981.9550	●
11	G 1"	19,9	20	105	42,7	50	6	GF165391.9550	●	GF165691.9550	●	GF165991.9550	●

TICN



P 1.1-5.1 M 1.1-4.1 K 1.1-4.2
N 1.1-5.2 S 1.1-2.6 H 1.1-2

피삭 소재별 적용 범위는 EMUGE 카탈로그 140 의 282-283 페이지를 참조 바랍니다.
Range of application – material, see page 282-283 in EMUGE Tool Catalogue 140

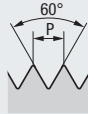
P Gg/1" (tpi)	ø D _{min.}	ø d ₁ mm	ø d ₂	l ₁	l ₂	l ₃	Z	GF-Z-VHM R15-IKZ-HB TICN	GF-Z-VHM R15-IKZ-HE TICN	GF-Z-VHM R15-IKZ-HA TICN			
19	G 1/4	9,9	10	70	20,7	40	6	GF165366.9545	●	GF165666.9545	●	GF165966.9545	●
14	G 1/2	11,9	12	80	26,3	45	5	GF165376.9548	●	GF165676.9548	●	GF165976.9548	●
14	G 1/2	15,9	16	90	33,6	48	6	GF165386.9548	●	GF165686.9548	●	GF165986.9548	●
14	G 3/4	19,9	20	105	40,8	50	8	GF165396.9548	○	GF165696.9548	○	GF165996.9548	○
11	G 1"	15,9	16	90	33,5	48	5	GF165386.9550	●	GF165686.9550	●	GF165986.9550	●
11	G 1"	19,9	20	105	42,7	50	6	GF165396.9550	●	GF165696.9550	●	GF165996.9550	●

요청에 따라 다른 피치 제작 가능

Tools for different thread pitch upon request

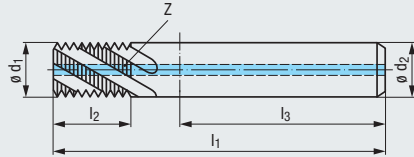
UNC, UN

ASME B1.1



내경 나사용

For internal threads



VHM

TICN

R15

RH + LH

Z4 - Z6



DIN 6535

증가된 날 수
With increased number of flutes

P 1.1-5.1

M 1.1-4.1

K 1.1-4.2

N 1.1-5.2

S 1.1-2.6

H 1.1-2

피삭 소재별 적용 범위는 EMUGE 카달로그 140 의 282-283 페이지를 참조 바랍니다.
Range of application – material, see page 282-283 in EMUGE Tool Catalogue 140

P Gg/1" (tpi)	ø D _{min.} inch	ø d ₁ mm	ø d ₂	l ₁	l ₂	l ₃	Z	GF-VZ-VHM R15-IKZ-HB TICN	GF-VZ-VHM R15-IKZ-HE TICN	GF-VZ-VHM R15-IKZ-HA TICN			
24	≥ Nr. 10	3,7	6	55	10	36	4	GFB35106.5007	●	GFB35406.5007	●	GFB35706.5007	●
20	≥ 1/4	4,95	6	58	13,3	36	4	GFB35106.5009	●	GFB35406.5009	●	GFB35706.5009	●
18	≥ 5/16	6,3	8	62	16,2	36	4	GFB35106.5010	●	GFB35406.5010	●	GFB35706.5010	●
16	≥ 3/8	7,65	8	65	19,8	36	5	GFB35106.5011	●	GFB35406.5011	●	GFB35706.5011	●
14	≥ 7/16	9	10	74	22,6	40	5	GFB35106.5012	●	GFB35406.5012	●	GFB35706.5012	●
13	≥ 1/2	10,4	12	80	26,3	45	5	GFB35106.5013	●	GFB35406.5013	●	GFB35706.5013	●
12	≥ 9/16	11,8	12	85	30,6	45	5	GFB35106.5014	●	GFB35406.5014	●	GFB35706.5014	●
11	≥ 5/8	13	14	90	33,4	45	5	GFB35106.5015	●	GFB35406.5015	●	GFB35706.5015	●
10	≥ 3/4	15,9	16	100	39,3	48	5	GFB35106.5016	●	GFB35406.5016	●	GFB35706.5016	●
9	≥ 7/8	18,9	20	110	46,5	50	6	GFB35106.5017	●	GFB35406.5017	●	GFB35706.5017	●
8	≥ 1	21,6	25	125	52,3	56	6	GFB35106.5018	●	GFB35406.5018	●	GFB35706.5018	●

요청에 따라 다른 피치 제작 가능

Tools for different thread pitch upon request

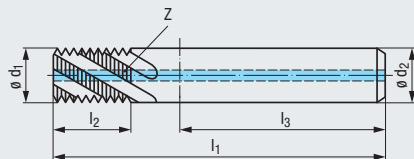
UNF, UN

ASME B1.1



내경 나사용

For internal threads



VHM

TICN

R15

RH + LH

Z4 - Z8



DIN 6535

증가된 날 수
With increased number of flutes

P 1.1-5.1

M 1.1-4.1

K 1.1-4.2

N 1.1-5.2

S 1.1-2.6

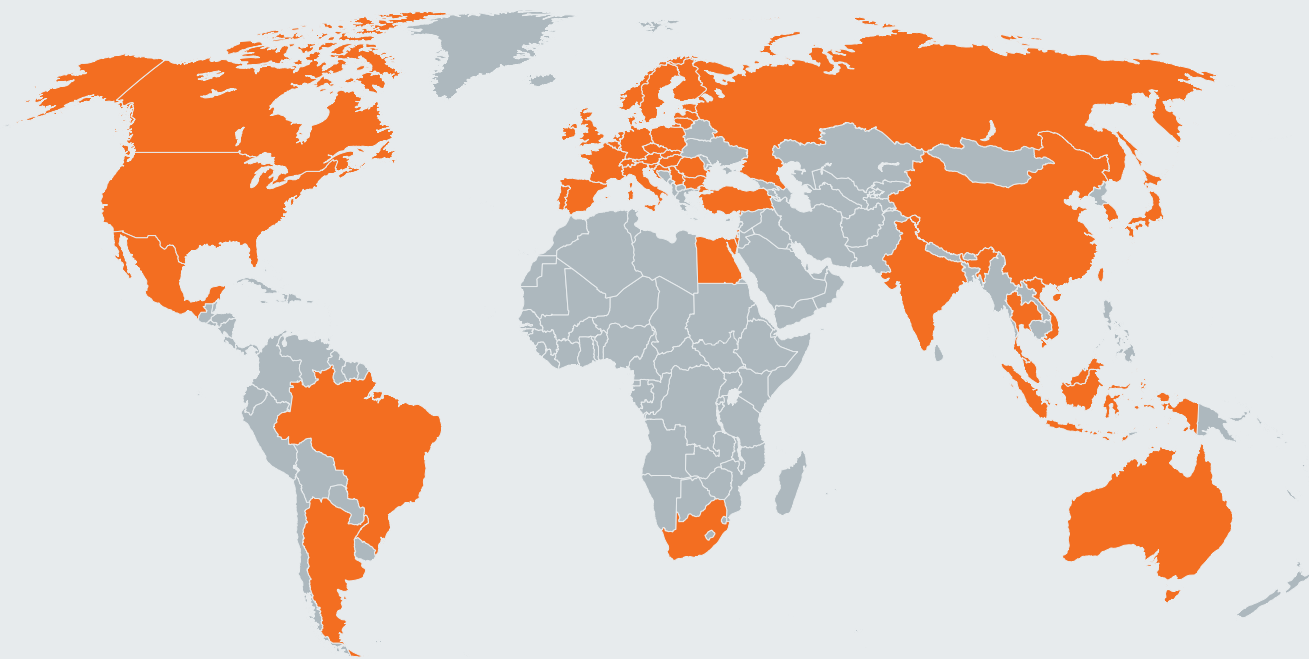
H 1.1-2

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P Gg/1" (tpi)	ø D _{min.} inch	ø d ₁ mm	ø d ₂	l ₁	l ₂	l ₃	Z	GF-VZ-VHM R15-IKZ-HB TICN	GF-VZ-VHM R15-IKZ-HE TICN	GF-VZ-VHM R15-IKZ-HA TICN			
32	≥ Nr. 10	3,9	6	55	9,9	36	4	GFB35106.5041	●	GFB35406.5041	●	GFB35706.5041	●
28	≥ Nr. 12	4,45	6	58	11,3	36	4	GFB35106.5042	●	GFB35406.5042	●	GFB35706.5042	●
28	≥ 1/4	5,3	6	58	13,1	36	4	GFB35106.5043	●	GFB35406.5043	●	GFB35706.5043	●
24	≥ 5/16	6,6	8	62	16,4	36	5	GFB35106.5044	●	GFB35406.5044	●	GFB35706.5044	●
20	≥ 7/16	9,55	10	74	22,2	40	6	GFB35106.5046	●	GFB35406.5046	●	GFB35706.5046	●
18	≥ 9/16	12,5	14	85	28,9	45	7	GFB35106.5048	●	GFB35406.5048	●	GFB35706.5048	●
16	≥ 3/4	17	18	102	38,8	48	8	GFB35106.5050	●	GFB35406.5050	●	GFB35706.5050	●

요청에 따라 다른 피치 제작 가능

Tools for different thread pitch upon request



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