

Hand Reamer

_ 핸드리머



■ 제품사양

- HSS, JIS 규격, H7
- 수가공, 기계가공용
- Helix 0°, ST Shank
- 관통작업에 적합
- 재연마 용이, 직진성 우수

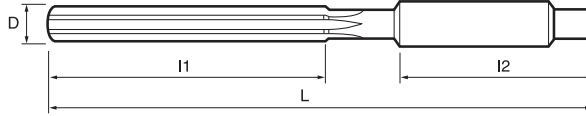
■ Application

- SKH51(M2), JIS, H7
- Straight Flutes & ST Shank
- Suitable For Through Holes
- Easy Resharpener

Code No.	D	L	I 1	I 2	Flutes	Memo
GEM 100010~14	1.0 M ~ 1.4 M	65	15	23	4	
GEM 100015~19	1.5 M ~ 1.9 M	65	23	23	4	
GEM 100020~29	2.0 M ~ 2.9 M	65	30	23	4	
GEM 100030~39	3.0 M ~ 3.9 M	65	35	23	4	
GEM100040~49	4.0 M ~ 4.9 M	80	40	30	6	
GEM 100050~59	5.0 M ~ 5.9 M	90	45	35	6	
GEM 100060~69	6.0 M ~ 6.9 M	100	50	38	6	
GEM 100070~79	7.0 M ~ 7.9 M	105	55	38	6	
GEM 100080~89	8.0 M ~ 8.9 M	115	60	42	6	
GEM 100090~99	9.0 M ~ 9.9 M	125	65	45	6	
GEM 100100~109	10.0 M ~ 10.9 M	130	70	45	6	
GEM 100110~119	11.0 M ~ 11.9 M	140	75	50	6	
GEM 100120~129	12.0 M ~ 12.9 M	150	75	58	6	
GEM 100130~139	13.0 M ~ 13.9 M	160	80	62	6	
GEM 100140	14.0 M	165	85	62	6	
GEM 100150	15.0 M	175	90	66	8	
GEM 100160	16.0 M	185	95	70	8	
GEM 100170	17.0 M	190	100	70	8	
GEM 100180	18.0 M	200	105	75	8	
GEM 100190	19.0 M	210	105	85	8	
GEM 100200	20.0 M	220	110	88	8	
GEM 100210	21.0 M	230	120	88	8	
GEM 100220	22.0 M	235	120	90	8	
GEM 100230	23.0 M	250	130	95	8	
GEM 100240	24.0 M	255	130	100	8	
GEM 100250	25.0 M	260	130	102	8	
GEM 100260	26.0 M	270	130	102	8	
GEM 100270	27.0 M	270	140	102	10	
GEM 100280	28.0 M	290	140	120	10	
GEM 100290	29.0 M	290	140	120	10	
GEM 100300	30.0 M	305	140	120	10	

Hand Reamer

www.reamer.co.kr **GEM**



HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

※ 관련 페이지
p37, 초경 핸드리머
p45, 초경 날 톱 핸드리머
p51, 롱 핸드리머

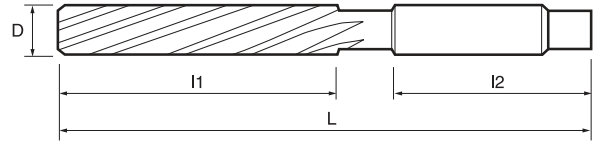
Code No.	D	L	I 1	I 2	Flutes	Memo
GEM 100310	31.0 M	305	150	120	10	
GEM 100320	32.0 M	315	150	120	10	
GEM 100330	33.0 M	315	160	120	10	
GEM 100340	34.0 M	315	160	120	10	
GEM 100350	35.0 M	315	160	120	10	
GEM 100360	36.0 M	320	160	120	10	
GEM 100370	37.0 M	320	165	120	10	
GEM 100380	38.0 M	325	165	125	10	
GEM 100390	39.0 M	325	165	125	10	
GEM 100400	40.0 M	330	165	125	12	
GEM 100410	41.0 M	330	170	125	12	
GEM 100420	42.0 M	335	170	125	12	
GEM 100430	43.0 M	335	170	125	12	
GEM 100440	44.0 M	340	170	125	12	
GEM 100450	45.0 M	340	170	125	12	
GEM 100460	46.0 M	345	170	125	12	
GEM 100470	47.0 M	345	175	125	12	
GEM 100480	48.0 M	350	180	125	12	
GEM 100490	49.0 M	350	180	125	12	
GEM 100500	50.0 M	355	180	125	12	
GEM 100510	51.0 M	360	180	125	12	
GEM 100520	52.0 M	360	180	125	12	
GEM 100530	53.0 M	360	180	125	14	
GEM 100540	54.0 M	360	180	125	14	
GEM 100550	55.0 M	360	180	125	14	
GEM 100560	56.0 M	360	180	125	14	
GEM 100570	57.0 M	360	180	125	14	
GEM 100580	58.0 M	360	180	125	14	
GEM 100590	59.0 M	360	180	125	14	
GEM 100600	60.0 M	360	180	125	14	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Spiral Hand Reamer

스파이럴 핸드리머



제품사양

- HSS, JIS 규격, H7
- 기계가공용, 관통 구멍용
- Helix 10~15°, ST Shank
- 우수한 가공면

Application

- SKH51(M2), JIS, H7
- Suitable For through Holes
- Higher Feed Rate
- Helix 10~15°, ST Shank
- Good Reaming Results

※ 관련 페이지
p20, 스파이럴 척킹리머(ST,M42)

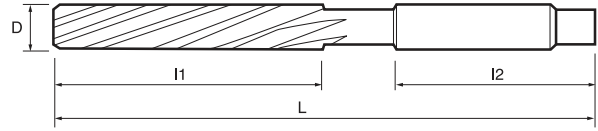
Code No.	D	L	L1	L2	Flutes	Memo
GEM100030	3.0 M	72	35	23	4	
GEM100040	4.0 M	80	35	30	4	
GEM100050	5.0 M	90	45	35	6	
GEM100060	6.0 M	100	50	38	6	
GEM100070	7.0 M	105	55	38	6	
GEM100080	8.0 M	115	60	42	6	
GEM100090	9.0 M	125	65	45	6	
GEM100100	10.0 M	130	70	45	6	
GEM100110	11.0 M	140	75	50	6	
GEM100120	12.0 M	150	75	58	6	
GEM100130	13.0 M	160	80	62	6	
GEM100140	14.0 M	165	85	62	6	
GEM100150	15.0 M	175	90	66	8	
GEM100160	16.0 M	185	95	70	8	
GEM100170	17.0 M	190	100	70	8	
GEM100180	18.0 M	200	105	75	8	
GEM100190	19.0 M	210	105	85	8	
GEM100200	20.0 M	220	110	88	8	
GEM100210	21.0 M	230	120	88	8	
GEM100220	22.0 M	235	120	90	8	
GEM100230	23.0 M	250	130	95	8	
GEM100240	24.0 M	255	130	100	8	
GEM100250	25.0 M	260	130	102	8	

정치수 외 가격은 별도

특수품은 주문에 의해서 생산합니다.

TiN Spiral Hand Reamer

_ TiN 코팅 스파이럴(~15°) 핸드리머



■ 제품사양

- HSS, JIS 규격, H7
- 기계가공용, 관통 구멍용
- Helix 10~15°, ST Shank
- 공구 수명 증가

■ Application

- SKH51(M2), JIS, TiN, H7
- Suitable For through Holes
- Improved Tool Life
- Helix 10~15°, ST Shank
- Good Reaming Results

※ 관련 페이지
p20, 스파이럴 척킹리머(ST,M42)

Code No.	D	L	I 1	I 2	Flutes	Memo
GEM T115030	3.0 M	72	35	23	4	
GEM T115040	4.0 M	80	35	30	4	
GEM T115050	5.0 M	90	45	35	6	
GEM T115060	6.0 M	100	50	38	6	
GEM T115070	7.0 M	105	55	38	6	
GEM T115080	8.0 M	115	60	42	6	
GEM T115090	9.0 M	125	65	45	6	
GEM T115100	10.0 M	130	70	45	6	
GEM T115110	11.0 M	140	75	50	6	
GEM T115120	12.0 M	150	75	58	6	
GEM T115130	13.0 M	160	80	62	6	
GEM T115140	14.0 M	165	85	62	6	
GEM T115150	15.0 M	175	90	66	8	
GEM T115160	16.0 M	185	95	70	8	
GEM T115170	17.0 M	190	100	70	8	
GEM T115180	18.0 M	200	105	75	8	
GEM T115190	19.0 M	210	105	85	8	
GEM T115200	20.0 M	220	110	88	8	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

Machine Reamer

_머신리머



■ 제품사양

- HSS, JIS 규격, H7
- 기계가공용, MT Shank
- 핸드리머보다 가공조건이 우수
- 관통, 막힌 홀 작업 가능

■ Application

- SKH51(M2), JIS, H7
- Straight Flutes & MT Shank
- Suitable For Through & Blind Holes
- Easy Resharpener

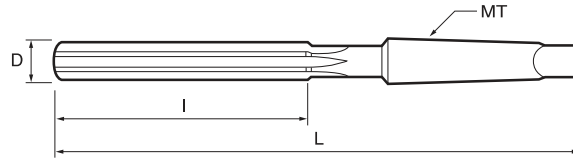
Code No.	D	L	I	MT	Flutes	Memo
GEM 200050	5.0 M	120	45	MT1 (65)	6	
GEM 200055	5.5 M	120	45		6	
GEM 200060	6.0 M	130	50		6	
GEM 200065	6.5 M	130	50		6	
GEM 200070	7.0 M	140	55		6	
GEM 200075	7.5 M	140	55		6	
GEM 200080	8.0 M	150	60		6	
GEM 200085	8.5 M	150	60		6	
GEM 200090	9.0 M	160	70		6	
GEM 200095	9.5 M	160	70		6	
GEM 200100	10.0 M	160	70		6	
GEM 200105	10.5 M	160	70		6	
GEM 200110	11.0 M	170	75		6	
GEM 200115	11.5 M	170	75		6	
GEM 200120	12.0 M	170	75		6	
GEM 200130	13.0 M	180	80		6	
GEM 200140	14.0 M	190	85	6		
GEM 200150	15.0 M	210	90	MT2 (80)	8	
GEM 200160	16.0 M	215	95		8	
GEM 200170	17.0 M	220	100		8	
GEM 200180	18.0 M	225	105		8	
GEM 200190	19.0 M	225	105		8	
GEM 200200	20.0 M	230	110		8	
GEM 200210	21.0 M	240	120		8	
GEM 200220	22.0 M	240	120		8	
GEM 200230	23.0 M	250	130	8		

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Machine Reamer

www.reamer.co.kr **GEM**



HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

※ 관련 페이지
p46, 초경 날 톱 머신리머
p52, 롱 머신리머

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

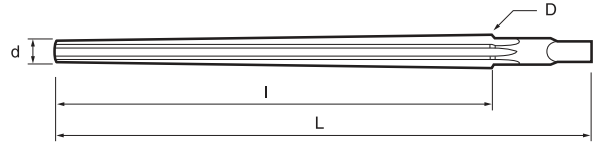
Code No.	D	L	I	MT	Flutes	Memo
GEM 200240	24.0 M	270	130	MT3 (100)	8	
GEM 200250	25.0 M	270	130		8	
GEM 200260	26.0 M	280	140		8	
GEM 200270	27.0 M	280	140		10	
GEM 200280	28.0 M	280	140		10	
GEM 200290	29.0 M	290	150		10	
GEM 200300	30.0 M	290	150		10	
GEM 200310	31.0 M	290	150		10	
GEM 200320	32.0 M	300	160		10	
GEM 200330	33.0 M	300	160		10	
GEM 200340	34.0 M	325	160	MT4 (125)	10	
GEM 200350	35.0 M	325	160		10	
GEM 200360	36.0 M	330	165		10	
GEM 200370	37.0 M	330	165		10	
GEM 200380	38.0 M	330	165		12	
GEM 200390	39.0 M	330	165		12	
GEM 200400	40.0 M	330	165		12	
GEM 200410	41.0 M	330	165		12	
GEM 200420	42.0 M	335	170		12	
GEM 200430	43.0 M	335	170		12	
GEM 200440	44.0 M	335	170		12	
GEM 200450	45.0 M	335	170		12	
GEM 200460	46.0 M	340	175		12	
GEM 200470	47.0 M	340	175		12	
GEM 200480	48.0 M	350	180		12	
GEM 200490	49.0 M	350	180	12		
GEM 200500	50.0 M	350	180	12		

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Hand Taper Pin Reamer

_ 핸드 테이퍼 핀 리머



■ 제품사양

- HSS, JIS 규격
- 1/50 Taper
- 수가공, 기계가공용
- 테이퍼 홀 가공

■ Application

- SKH51(M2), JIS
- 1/50 Taper For Taper Pin
- Straight Flutes & ST Shank
- Suitable For Through Hole

※ 관련 페이지

p15, 스파이럴 테이퍼 핀 리머
 p16, 머신 테이퍼 핀 리머
 p42, 초경 테이퍼 핀 리머

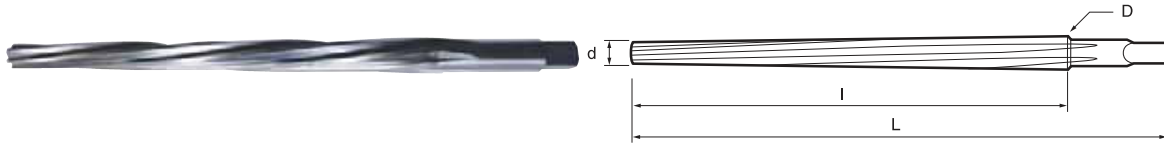
Code No.	No.	L	l	d	D	Memo
GEM 300030	3 M	88	63	2.9	4.16	
GEM 300040	4 M	102	75	3.9	5.4	
GEM 300050	5 M	115	87	4.9	6.64	
GEM 300060	6 M	130	99	5.9	7.88	
GEM 300070	7 M	152	119	6.9	9.28	
GEM 300080	8 M	178	141	7.9	10.72	
GEM 300090	9 M	195	156	8.9	12.02	
GEM 300100	10 M	205	163	9.9	13.16	
GEM 300110	11 M	220	177	10.9	14.44	
GEM 300120	12 M	230	185	11.9	15.6	
GEM 300130	13 M	240	194	12.86	16.74	
GEM 300140	14 M	250	205	13.86	17.96	
GEM 300150	15 M	270	220	14.86	19.26	
GEM 300160	16 M	290	234	15.84	20.52	
GEM 300170	17 M	305	240	16.84	21.64	
GEM 300180	18 M	320	252	17.84	22.88	
GEM 300190	19 M	330	260	18.82	24.02	
GEM 300200	20 M	340	270	19.82	25.22	
GEM 300210	21 M	350	275	20.8	26.3	
GEM 300220	22 M	360	280	21.8	27.4	
GEM 300230	23 M	370	290	22.8	28.6	
GEM 300240	24 M	380	295	23.8	29.7	
GEM 300250	25 M	390	310	24.74	30.94	
GEM 300300	30 M	405	318	29.7	36.06	
GEM 300400	40 M	430	335	39.6	46.3	
GEM 300500	50 M	460	351	49.5	56.52	

■ 정치수 외 가격은 별도

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Spiral Hand Taper Pin Reamer

스파이럴 핸드 테이퍼 핀 리머 1/50



제품사양

- HSS, JIS 규격
- 1/50 Taper, 테이퍼 홀 가공
- 기계가공용, 관통 구멍용
- Helix 7~15, ST Shank
- 좋은 가공면

Application

- SKH51(M2), JIS
- 1/50 Taper For Taper Pin
- Higher Feed Rate
- Helix 7~15, ST Shank
- Suitable For through Hole
- Good Reaming Result

※ 관련 페이지
p14, 핸드 테이퍼 핀 리머

Code No.	Pr No.	L	l	d	D	Memo
GEM 307060	6 M	130	99	5.9	7.88	
GEM 307080	8 M	178	141	7.9	10.72	
GEM 307100	10 M	205	163	9.9	13.16	
GEM 307120	12 M	230	185	11.9	15.6	
GEM 307130	13 M	240	194	12.86	16.74	
GEM 307160	16 M	290	234	15.84	20.52	
GEM 307200	20 M	340	270	19.82	25.22	

정치수 외 가격은 별도

특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

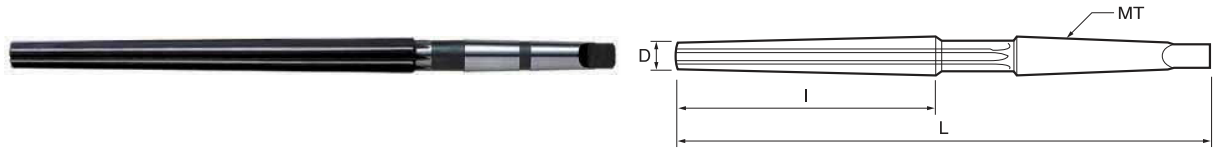
Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

Machine Taper Pin Reamer

_ 머신 테이퍼 핀 리머 1/50, 곧은날



■ 제품사양

- HSS
- 1/50 Taper
- MT shank, 기계가공용
- 테이퍼 홀 가공

■ Application

- SKH51(M2)
- 1/50 Taper For Taper Pin
- Straight Flutes & MT Shank
- Suitable For through Hole

※ 관련 페이지
p14, 핸드 테이퍼 핀 리머

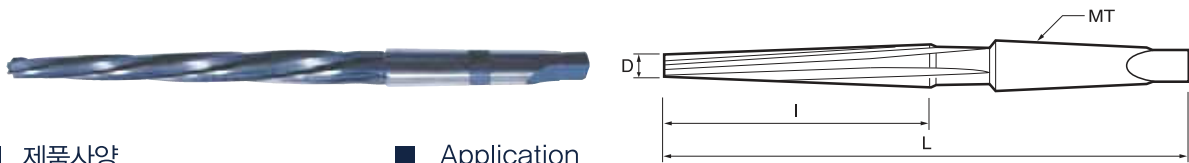
Code No.	Pr No.	L	I	d	D	MT	Memo
GEM 300060M	6 M	184	99	5.9	7.88	MT1 (65)	
GEM 300080M	8 M	226	141	7.9	10.72		
GEM 300100M	10 M	248	163	9.9	13.16		
GEM 300120M	12 M	290	185	11.9	15.6	MT2 (80)	
GEM 300130M	13 M	299	194	12.86	16.74		
GEM 300160M	16 M	339	234	15.84	20.52		
GEM 300200M	20 M	395	270	19.82	25.22	MT3 (100)	
GEM 300250M	25 M	435	310	24.74	30.94		

■ 정치수 외 가격은 별도

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Machine Spiral Taper Pin Reamer

_ 머신 스파이럴 테이퍼 핀 리머 1/50, LH7



■ 제품사양

- HSS, M2
- 1/50 Taper, 테이퍼 홀 가공
- 기계가공용, 관통 구멍용
- Helix 7~15,' MT Shank
- 좋은 가공면

■ Application

- SKH51(M2)
- 1/50 Taper For Taper Pin
- Higher Feed Rate
- Helix 7~15,' MT Shank
- Suitable For through Hole
- Good Reaming Result

※ 관련 페이지
p15, 스파이럴 핸드 테이퍼 핀 리머

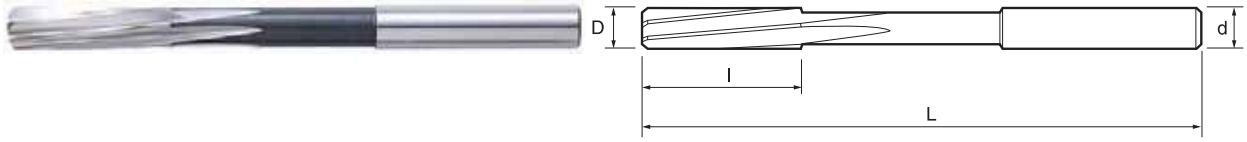
Code No.	Pr No.	L	I	d	D	MT	Memo
GEM 307060M	6 M	184	99	5.9	7.88	MT1 (65)	
GEM 307080M	8 M	226	141	7.9	10.72		
GEM 307100M	10 M	248	163	9.9	13.16		
GEM 307120M	12 M	290	185	11.9	15.6	MT2 (80)	
GEM 307130M	13 M	299	194	12.86	16.74		
GEM 307160M	16 M	339	234	15.84	20.52		
GEM 307200M	20 M	395	270	19.82	25.22	MT3 (100)	
GEM 307250M	25 M	435	310	24.74	30.94		

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Spiral Chucking Reamer-7° ST Economical (보급형)

스파이럴 척킹리머 - 7° ST



■ 제품사양

- SKH55(Co 5%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 7° ST Shank
- AL, SUS 가공에 적합
- 정밀금형가공시 추천

■ Application

- SKH55(M35), DIN, H7 Tolerance
- LH Helical 7° & ST Shank
- Suitable For Through Holes
- For Mold Hole

Code No.	D	L	I	d	Flutes	Memo
GEM E407020	2.0M	55	16	D	4	
GEM E407021~4	2.1~2.4	55	16	D	4	
GEM E407025	2.5 M	55	16	D	4	
GEM E407026~9	2.6~2.9	55	16	D	4	
GEM E407030	3.0M	61	15	D	6	
GEM E407031~4	3.1~3.4	61	15	D	6	
GEM E407035	3.5 M	61	15	D	6	
GEM E407036~9	3.6~3.9	61	15	D	6	
GEM E407040	4.0 M	75	19	4	6	
GEM E407041~4	4.1~4.4	75	19	4	6	
GEM E407045	4.5M	75	19	4.5	6	
GEM E407046~9	4.6~4.9	75	19	4.5	6	
GEM E407050	5.0 M	86	23	5	6	
GEM E407051~4	5.1~5.4	86	23	5	6	
GEM E407055	5.5M	86	23	5.5	6	
GEM E407056~9	5.6~5.9	86	23	5.5	6	
GEM E407060	6.0 M	93	26	6	6	
GEM E407061~4	6.1~6.4	93	26	6	6	
GEM E407065	6.5M	93	26	6	6	
GEM E407066~9	6.6~6.9	93	26	6	6	
GEM E407070	7.0 M	109	31	7	6	
GEM E407071~4	7.1~7.4	109	31	7	6	
GEM E407075	7.5M	109	31	7	6	
GEM E407076~9	7.6~7.9	109	31	7	6	
GEM E407080	8.0 M	117	33	8	6	
GEM E407081~4	8.1~8.4	117	33	8	6	
GEM E407085	8.5M	117	33	8	6	
GEM E407086~9	8.6~8.9	117	33	8	6	
GEM E407090	9.0M	125	36	9	6	
GEM E407091~4	9.1~9.4	125	36	9	6	
GEM E407095	9.5M	125	36	9	6	

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

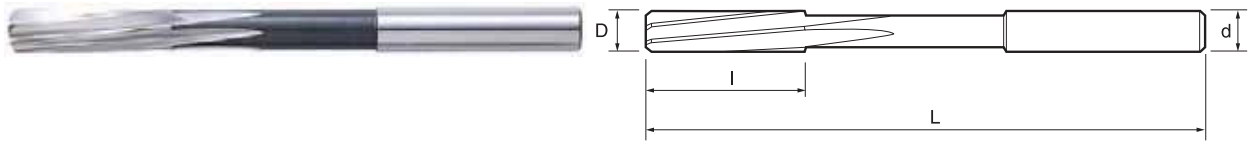
Others
98P~100P

Technical Data
101P~104P

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Spiral Chucking Reamer-7° ST Economical (보급형)



※ 관련 페이지
p31, 초경 스파이럴 척킹리머(ST)
p54, 텅 스파이럴 척킹리머

Code No.	D	L	I	d	Flutes	Memo
GEM E407096~9	9.6~9.9	125	36	9	6	
GEM E407100	10.0M	133	38	10	6	
GEM E407101~4	10.1~10.4	133	38	10	6	
GEM E407105	10.5M	133	38	10	6	
GEM E407106~9	10.6~10.9	133	38	10	6	
GEM E407110	11.0M	142	41	10	6	
GEM E407111~4	11.1~11.4	142	41	10	6	
GEM E407115	11.5M	142	41	10	6	
GEM E407116~9	11.6~11.9	142	41	10	6	
GEM E407120	12.0M	151	44	10	6	
GEM E407121~4	12.1~12.4	151	44	10	6	
GEM E407125	12.5M	151	44	10	6	
GEM E407126~9	12.6~12.9	151	44	10	6	
GEM E407130	13.0M	151	44	10	6	
GEM E407135	13.5M	151	44	12	6	
GEM E407140	14.0M	160	47	12	8	
GEM E407145	14.5M	160	47	12	8	
GEM E407150	15.0M	162	50	12	8	
GEM E407155	15.5M	162	50	12	8	
GEM E407160	16.0M	170	52	16	8	
GEM E407165	16.5M	170	52	16	8	
GEM E407170	17.0M	175	54	16	8	
GEM E407175	17.5M	175	54	16	8	
GEM E407180	18.0M	182	56	16	8	
GEM E407185	18.5M	182	56	16	8	
GEM E407190	19.0M	200	60	16	8	
GEM E407195	19.5M	200	60	16	8	
GEM E407200	20.0M	200	60	20	8	
GEM E407210	21.0M	200	60	20	8	
GEM E407220	22.0M	200	60	20	8	

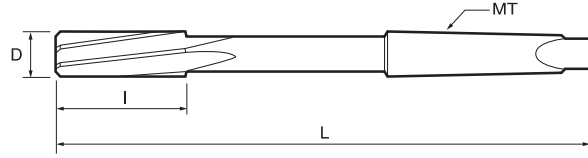
■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Spiral Chucking Reamer-7° MT

Economical
(보급형)

스파이럴 척킹리머 - 7° MT



■ 제품사양

- SKH55(Co 5%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 7°, ST Shank
- AL, SUS 가공에 적합
- 정밀금형가공시 추천

■ Application

- SKH55(M35), DIN, H7 Tolerance
- LH Helical 7° & ST Shank
- Suitable For Through Holes
- For Mold Hole

※ 관련 페이지
p32, 초경 스파이럴 척킹리머(MT)
p54, 롱 스파이럴 척킹리머

Code No.	D	L	I	MT	Flutes	Memo
GEM E407060M	6	130	35	MT1 (65)	6	
GEM E407080M	8	150	40		6	
GEM E407100M	10	160	40		6	
GEM E407120M	12	170	45		6	
GEM E407130M	13	180	45		6	
GEM E407140M	14	190	50		8	
GEM E407150M	15	205	50	MT2 (80)	8	
GEM E407160M	16	205	50		8	
GEM E407170M	17	210	55		8	
GEM E407180M	18	220	55		8	
GEM E407190M	19	220	55		8	
GEM E407200M	20	230	60		8	
GEM E407210M	21	240	60		8	
GEM E407220M	22	240	60		8	
GEM E407230M	23	250	65		8	
GEM E407240M	24	265	65		MT3 (100)	8
GEM E407250M	25	270	65	8		
GEM E407260M	26	270	70	8		
GEM E407270M	27	270	70	10		
GEM E407280M	28	270	70	10		
GEM E407290M	29	280	75	10		
GEM E407300M	30	280	75	10		
GEM E407320M	32	300	80	10		
GEM E407340M	34	325	80	MT4 (125)	10	
GEM E407350M	35	325	80		10	
GEM E407360M	36	325	80		10	
GEM E407380M	38	325	80		12	
GEM E407400M	40	325	80		12	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

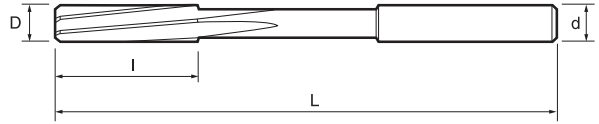
Others
98P~100P

Technical Data
101P~104P

Spiral Chucking Reamer-7° ST

Premium
(고급형)

스파이럴 척킹리머 - 7° ST



■ 제품사양

- SKH59(Co 8%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 7°, ST Shank
- AL,SUS 가공에 적합
- 정밀금형가공시 추천

■ Application

- SKH59(M42), DIN, H7 Tolerance
- LH Helical 7° & ST Shank
- Suitable For Through Holes
- For Mold Hole

※ 관련 페이지

p31, 초경 스파이럴 척킹리머(ST)
p54, 롱 스파이럴 척킹리머

Code No.	D	L	I	d	Flutes	Memo
GEM 407020	2.0 M	55	16	2	4	
GEM 407030	3.0 M	61	15	3	6	
GEM 407040	4.0 M	75	19	4	6	
GEM 407050	5.0 M	86	23	5	6	
GEM 407060	6.0 M	93	26	6	6	
GEM 407070	7.0 M	109	31	7	6	
GEM 407080	8.0 M	117	33	8	6	
GEM 407090	9.0 M	125	36	9	6	
GEM 407100	10.0 M	133	38	10	6	
GEM 407110	11.0 M	142	41	10	6	
GEM 407120	12.0 M	151	44	10	6	
GEM 407130	13.0 M	151	44	10	6	
GEM 407140	14.0 M	160	47	12	8	
GEM 407150	15.0 M	162	50	12	8	
GEM 407160	16.0 M	170	52	16	8	
GEM 407170	17.0 M	175	54	16	8	
GEM 407180	18.0 M	182	56	16	8	
GEM 407190	19.0 M	200	60	16	8	
GEM 407200	20.0 M	200	60	20	8	
GEM 44507210	21.0 M	200	60	20	8	
GEM 407220	22.0 M	200	60	20	8	
GEM 407250	25.0 M	200	60	25	8	

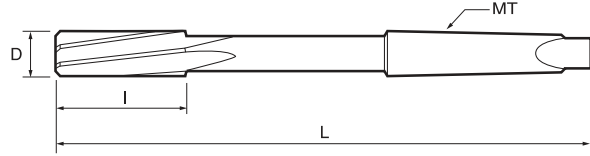
■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Spiral Chucking Reamer-7° MT

Premium
(고급형)

스파이럴 척킹리머 - 7° MT



■ 제품사양

- SKH59(Co 8%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 7°, MT Shank
- AL,SUS 가공에 적합
- 정밀금형가공시 추천

■ Application

- SKH59(M42), DIN, H7 Tolerance
- LH Helical 7° & MT Shank
- Suitable For Through Holes
- For Mold Hole

※ 관련 페이지

p32, 초경 스파이럴 척킹리머(MT)
p54, 롱 스파이럴 척킹리머

Code No.	D	L	I	MT	Flutes	Memo
GEM 407060M	6	130	35	MT1 (65)	6	
GEM 407080M	8	150	40		6	
GEM 407100M	10	160	40		6	
GEM 407120	12	170	45		6	
GEM 407130M	13	180	45		6	
GEM 407140M	14	190	50		8	
GEM 407150M	15	205	50	MT2 (80)	8	
GEM 407160M	16	205	50		8	
GEM 407170M	17	210	55		8	
GEM 407180M	18	220	55		8	
GEM 407190M	19	220	55		8	
GEM 407200M	20	230	60		8	
GEM 407210M	21	240	60		8	
GEM 407220M	22	240	60		8	
GEM 407230M	23	250	65		8	
GEM 407240M	24	265	65		MT3 (100)	8
GEM 407250M	25	270	65	8		
GEM 407260M	26	270	70	8		
GEM 407270M	27	270	70	10		
GEM 407280M	28	270	70	10		
GEM 407290M	29	280	75	10		
GEM 407300M	30	280	75	10		
GEM 407320M	32	300	80	10		
GEM 407340M	34	325	80	MT4 (125)	10	
GEM 407350M	35	325	80		10	
GEM 407360M	36	325	80		10	
GEM 407380M	38	325	80		12	
GEM 407400M	40	325	80		12	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

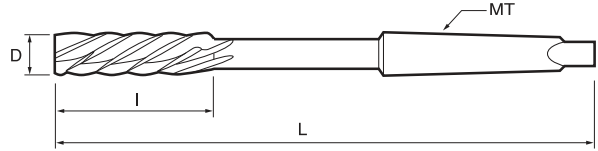
Others
98P~100P

Technical Data
101P~104P

Hi Helical Reamer-45° MT

Economical
(보급형)

_ 하이 헬리컬리머 - 45° MT



■ 제품사양

- SKH55(Co 5%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 45°, MT Shank
- 일반리머 보다 절삭속도와 가공면이 매우 우수

■ Application

- SKH55(M35), DIN, H7 Tolerance
- LH Helical 45° & MT Shank
- Suitable For Through Holes
- Much Higher Feed Rate
- Excellent Finish Surface

※ 관련 페이지

p34, 초경 하이 헬리컬 리머(MT)
p53, 롱 하이 헬리컬 리머

Code No.	D	L	I	MT	Flutes	Memo
GEM E445060M	6	130	35	MT1 (65)	3	
GEM E445080M	8	150	40		3	
GEM E445090M	9	150	40		3	
GEM E445100M	10	160	40		3	
GEM E445110M	11	160	40		3	
GEM E445120M	12	170	45		3	
GEM E445130M	13	180	45		3	
GEM E445140M	14	190	50	MT2 (80)	4	
GEM E445150M	15	205	50		4	
GEM E445160M	16	205	50		4	
GEM E445170M	17	210	55		4	
GEM E445180M	18	220	55		4	
GEM E445190M	19	220	55		4	
GEM E445200M	20	230	60		4	
GEM E445210M	21	240	60		4	
GEM E445220M	22	240	60		4	
GEM E445230M	23	250	65		4	
GEM E445240M	24	265	65	MT3 (100)	4	
GEM E445250M	25	270	65		4	
GEM E445260M	26	270	70		6	
GEM E445270M	27	270	70		6	
GEM E445280M	28	270	70		6	
GEM E445290M	29	280	75		6	
GEM E445300M	30	280	75		6	
GEM E445320M	32	300	80	6		
GEM E445340M	34	325	80	MT4 (125)	8	
GEM E445350M	35	325	80		8	
GEM E445360M	36	325	80		8	
GEM E445380M	38	325	80		8	
GEM E445400M	40	325	80		8	

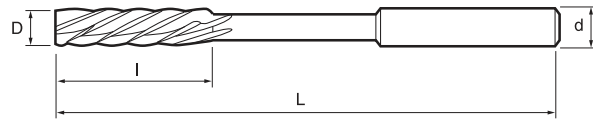
■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Hi Helical Reamer-45° ST

Economical
(보급형)

_ 하이 헬리컬리머 - 45° ST



■ 제품사양

- SKH55(Co 5%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 45° ST Shank
- 일반리머 보다 절삭속도와 가공조도 매우 우수

■ Application

- SKH55 (M35), DIN, H7 Tolerance
- LH Helical 45° & ST Shank
- Suitable For Through Holes
- Much Higher Feed Rate
- Excellent Finish Surface

Code No.	D	L	I	d	Flutes	Memo
GEM E445020	2.0M	55	16	D	3	
GEM E445021~4	2.1~2.4	55	16	D	3	
GEM E445025	2.5 M	55	16	D	3	
GEM E445026~9	2.6~2.9	55	16	D	3	
GEM E445030	3.0M	61	15	D	3	
GEM E445031~4	3.1~3.4	61	15	D	3	
GEM E445035	3.5 M	61	15	D	3	
GEM E445036~9	3.6~3.9	61	15	D	3	
GEM E445040	4.0 M	75	19	4	3	
GEM E445041~4	4.1~4.4	75	19	4	3	
GEM E445045	4.5M	75	19	4.5	3	
GEM E445046~9	4.6~4.9	75	19	4.5	3	
GEM E445050	5.0 M	86	23	5	3	
GEM E445051~4	5.1~5.4	86	23	5	3	
GEM E445055	5.5M	86	23	5.5	3	
GEM E445056~9	5.6~5.9	86	23	5.5	3	
GEM E445060	6.0 M	93	26	6	3	
GEM E445061~4	6.1~6.4	93	26	6	3	
GEM E445065	6.5M	93	26	6	3	
GEM E445066~9	6.6~6.9	93	26	6	3	
GEM E445070	7.0 M	109	31	7	3	
GEM E445071~4	7.1~7.4	109	31	7	3	
GEM E445075	7.5M	109	31	7	3	
GEM E445076~9	7.6~7.9	109	31	7	3	
GEM E445080	8.0 M	117	33	8	3	
GEM E445081~4	8.1~8.4	117	33	8	3	
GEM E445085	8.5M	117	33	8	3	
GEM E445086~9	8.6~8.9	117	33	8	3	
GEM E445090	9.0M	125	36	9	3	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

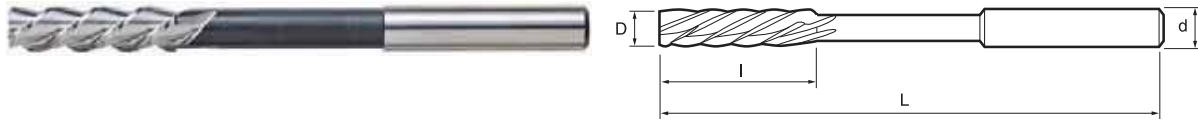
Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

Hi Helical Reamer-45° ST

Economical
(보급형)



※ 관련 페이지
p33, 초경 하이 헤리컬 리머(ST)
p53, 롱 하이 헤리컬 리머

Code No.	D	L	I	d	Flutes	Memo
GEM E445091~4	9.1~9.4	125	36	9	3	
GEM E445095	9.5M	125	36	9	3	
GEM E445096~9	9.6~9.9	125	36	9	3	
GEM E445100	10.0M	133	38	10	3	
GEM E445101~4	10.1~10.4	133	38	10	3	
GEM E445105	10.5M	133	38	10	3	
GEM E445106~9	10.6~10.9	133	38	10	3	
GEM E445110	11.0M	142	41	10	3	
GEM E445111~4	11.1~11.4	142	41	10	3	
GEM E445115	11.5M	142	41	10	3	
GEM E445116~9	11.6~11.9	142	41	10	3	
GEM E445120	12.0M	151	44	10	3	
GEM E445121~4	12.1~12.4	151	44	10	3	
GEM E445125	12.5M	151	44	10	3	
GEM E445126~9	12.6~12.9	151	44	10	3	
GEM E445130	13.0M	151	44	10	3	
GEM E445135	13.5M	151	44	12	3	
GEM E445140	14.0M	160	47	12	4	
GEM E445145	14.5M	160	47	12	4	
GEM E445150	15.0M	162	50	12	4	
GEM E445155	15.5M	162	50	12	4	
GEM E445160	16.0M	170	52	16	4	
GEM E445165	16.5M	170	52	16	4	
GEM E445170	17.0M	175	54	16	4	
GEM E445175	17.5M	175	54	16	4	
GEM E445180	18.0M	182	56	16	4	
GEM E445185	18.5M	182	56	16	4	
GEM E445190	19.0M	200	60	16	4	
GEM E445195	19.5M	200	60	16	4	
GEM E445200	20.0M	200	60	20	4	
GEM E445210	21.0M	200	60	20	4	
GEM E445220	22.0M	200	60	20	4	

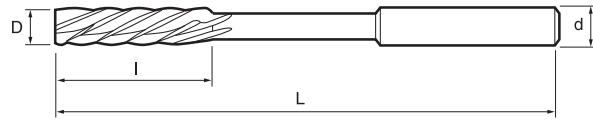
■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Hi Helical Reamer-45° ST

Premium
(고급형)

_ 하이 헬리컬리머 - 45° ST



■ 제품사양

- SKH59(Co 8%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 45° ST Shank
- 일반리머 보다 절삭속도와 가공면이 매우 우수

■ Application

- SKH59(M42), DIN, H7 Tolerance
- LH Helical 45° & ST Shank
- Suitable For Through Holes
- Much Higher Feed Rate
- Excellent Finish Surface

※ 관련 페이지
p33, 초경 하이 헬리컬 리머(ST)
p53, 롱 하이 헬리컬 리머

Code No.	D	L	I	d	Flutes	Memo
GEM 445020	2.0M	55	16	2	3	
GEM 445030	3.0 M	61	15	3	3	
GEM 445040	4.0 M	75	19	4	3	
GEM 445050	5.0 M	86	23	5	3	
GEM 445060	6.0 M	93	26	6	3	
GEM 445070	7.0 M	109	31	7	3	
GEM 445080	8.0 M	117	33	8	3	
GEM 445090	9.0 M	125	36	9	3	
GEM 445100	10.0 M	133	38	10	3	
GEM 445110	11.0 M	142	41	10	3	
GEM 445120	12.0 M	151	44	10	3	
GEM 445130	13.0 M	151	44	10	3	
GEM 445140	14.0 M	160	47	12	4	
GEM 445150	15.0 M	162	50	12	4	
GEM 445160	16.0 M	170	52	16	4	
GEM 445170	17.0 M	175	54	16	4	
GEM 445180	18.0 M	182	56	16	4	
GEM 445190	19.0 M	200	60	16	4	
GEM 445200	20.0 M	200	60	20	4	
GEM 445210	21.0 M	200	60	20	4	
GEM 445220	22.0 M	200	60	20	4	
GEM 445250	25.0 M	200	60	25	4	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

Drills
79P~97P

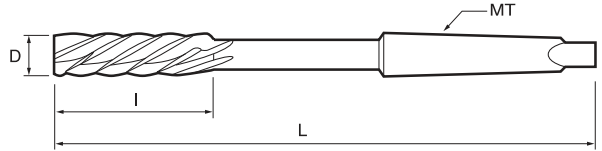
Others
98P~100P

Technical Data
101P~104P

Hi Helical Reamer-45° MT

Premium
(고급형)

_ 하이 헬리컬리머 - 45° MT



■ 제품사양

- SKH59(Co 8%), DIN, H7
- 기계가공용, 관통 구멍용
- Helix 45° MT Shank
- 일반리머 보다 절삭속도와 가공조도 매우 우수

■ Application

- SKH59(M42), DIN, H7 Tolerance
- LH Helical 45° & MT Shank
- Suitable For Through Holes
- Much Higher Feed Rate
- Excellent Finish Surface

※ 관련 페이지

p34, 초경 하이 헬리컬 리머(MT)
p53, 롱 하이 헬리컬 리머

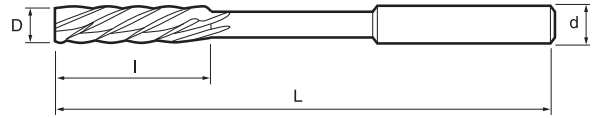
Code No.	D	L	I	MT	Flutes	Memo
GEM 445060M	6	130	35	MT1 (65)	3	
GEM 445080M	8	150	40		3	
GEM 445100M	10	160	40		3	
GEM 445120M	12	170	45		3	
GEM 445130M	13	180	45		3	
GEM 445140M	14	190	50		4	
GEM 445150M	15	205	50	MT2 (80)	4	
GEM 445160M	16	205	50		4	
GEM 445170M	17	210	55		4	
GEM 445180M	18	220	55		4	
GEM 445190M	19	220	55		4	
GEM 445200M	20	230	60		4	
GEM 445210M	21	240	60		4	
GEM 445220M	22	240	60		4	
GEM 445230M	23	250	65		4	
GEM 445240M	24	265	65		MT3 (100)	4
GEM 445250M	25	270	65	4		
GEM 445260M	26	270	70	6		
GEM 445270M	27	270	70	6		
GEM 445280M	28	270	70	6		
GEM 445290M	29	280	75	6		
GEM 445300M	30	280	75	6		
GEM 445320M	32	300	80	6		
GEM 445340M	34	325	80	MT4 (125)	8	
GEM 445350M	35	325	80		8	
GEM 445360M	36	325	80		8	
GEM 445380M	38	325	80		8	
GEM 445400M	40	325	80		8	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Super Helical Reamer-60° ST (JIS)

슈퍼 헤리컬리머 - 60° ST



■ 제품사양

- SKH55(Co 5%), JIS
- J5(~+0.005)
- 절삭속도, 가공면 향상
- 60° 좌비틀림 리머

■ Application

- SKH55(M35), JIS
- J5(~+0.005), LH60°
- Much Higher Feed Rate
- Excellent Finish Surface

※ 관련 페이지

p35, 초경 슈퍼 헤리컬 리머(MT,M35)
p25, 하이 헤리컬 리머(ST,M42)

Code No.	D	L	I	d	Flutes	Memo
GEM J460030	3.0M	64	20	3	3	
GEM J460040	4.0M	64	24	4	3	
GEM J460050	5.0M	100	26	5	3	
GEM J460060	6.0M	100	28	6	3	
GEM J460070	7.0M	100	31	7	3	
GEM J460080	8.0M	125	33	8	3	
GEM J460090	9.0M	135	36	9	3	
GEM J460100	10.0M	155	38	10	3	
GEM J460110	11.0M	165	38	10	3	
GEM J460120	12.0M	165	44	12	3	
GEM J460130	13.0M	165	44	12	3	
GEM J460140	14.0M	180	47	12	4	
GEM J460150	15.0M	180	50	16	4	
GEM J460160	16.0M	180	52	16	4	
GEM J460170	17.0M	210	54	16	4	
GEM J460180	18.0M	210	56	16	4	
GEM J460190	19.0M	230	58	20	4	
GEM J460200	20.0M	230	60	20	4	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

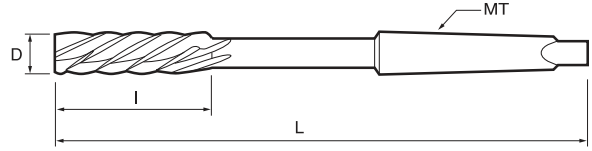
Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

Super Helical Reamer-60° MT (JIS)

슈퍼 헤리컬리머 - 60° MT



■ 제품사양

- SKH55(Co 5%), JIS
- J5(~+0.005)
- 절삭속도, 가공면 향상
- 60° 좌비틀림 리머

■ Application

- SKH55(M35), JIS
- J5(~+0.005), LH60°
- Much Higher Feed Rate
- Excellent Finish Surface

※ 관련 페이지

p26, 하이 헤리컬 리머(MT,M42)
p36, 초경 슈퍼 헤리컬 리머(ST,M35)

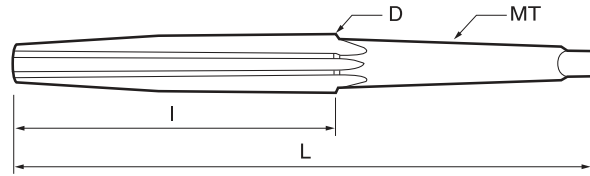
Code No.	D	L	I	MT	Memo
GEM J460080M	8	156	33	MT1	
GEM J460090M	9	162	36		
GEM J460100M	10	168	38		
GEM J460110M	11	175	41		
GEM J460120M	12	182	41		
GEM J460130M	13	182	44		
GEM J460140M	14	189	47		
GEM J460150M	15	204	50	MT2	
GEM J460160M	16	204	52		
GEM J460170M	17	204	52		
GEM J460180M	18	214	56		
GEM J460190M	19	214	56		
GEM J460200M	20	214	58		
GEM J460220M	22	214	58		
GEM J460240M	24	240	66	MT3	
GEM J460250M	25	250	68		

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

Machine Bridge Reamer

_ 머신 브릿지리머



■ 제품사양

- HSS, JIS
- 기계가공용, MT Shank
- 1/20 Taper
- 어긋난 판재의 홀 일치 작업 가능

■ Application

- SKH51(M2), JIS
- Straight Flutes & MT Shank
- Correct holes displacement of sandwiched sheet
- 1/20 Taper

※ 관련 페이지
p30, 브릿지 리머

Code No.	D	L	I	MT	Flutes	Memo
GEM 500160	16.0	210	115	MT2 (80)	6	
GEM 500180	18.0	210	115		6	
GEM 500200	20.0	215	120		6	
GEM 500210	21.0	215	120		6	
GEM 500220	22.0	215	120		8	
GEM 500230	23.0	215	120		8	
GEM 500240	24.0	250	135	MT3 (100)	8	
GEM 500250	25.0	250	135		8	
GEM 500260	26.0	250	135		8	
GEM 500270	27.0	260	145		8	
GEM 500280	28.0	260	145		8	
GEM 500290	29.0	280	165		8	
GEM 500300	30.0	280	165		8	
GEM 500310	31.0	280	165		8	
GEM 500320	32.0	280	165		8	
GEM 500330	33.0	280	165		8	
GEM 500340	34.0	280	165		8	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.

HSS Reamers
8P~30P

Carbide Reamers
31P~50P

Long Reamers
51P~57P

Counter Bores
58P~63P

HSS Counter Sinks
64P~69P

Carbide Counter Sinks
70P~74P

Cutters
75P~78P

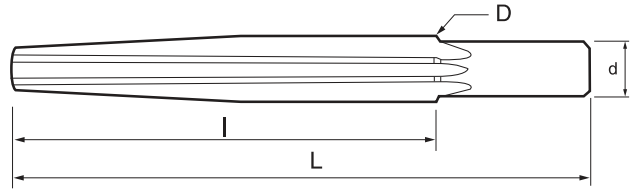
Drills
79P~97P

Others
98P~100P

Technical Data
101P~104P

Bridge Reamer

_ 브릿지 리머



■ 제품사양

- HSS
- 기계가공용, ST Shank
- 1/20 Taper
- 어긋난 판재의 홀 일치 작업 가능

■ Application

- SKH51(M2)
- Straight Flutes & ST Shank
- Correct holes displacement of sandwiched sheet
- 1/20 Taper

※ 관련 페이지
p29, 머신 브릿지 리머

Code No.	D	L	I	d	Flutes	Memo
GEM 501200	20.0	190	140	19.05	6	
GEM 501205	20.5	190	140	19.05	6	
GEM 501210	21.0	190	140	19.05	6	
GEM 501215	21.5	190	140	19.05	8	
GEM 501220	22.0	190	140	19.05	8	
GEM 501225	22.5	190	140	19.05	8	
GEM 501230	23.0	190	140	19.05	8	
GEM 501235	23.5	190	140	19.05	8	
GEM 501240	24.0	190	140	19.05	8	
GEM 501245	24.5	190	140	19.05	8	
GEM 501250	25.0	190	140	19.05	8	
GEM 501255	25.5	190	140	19.05	8	
GEM 501260	26.0	190	140	19.05	8	

■ 정치수 외 가격은 별도

■ 특수품은 주문에 의해서 생산합니다.