

PAT.P



RED SCREW arbor

교환식 공구의 절삭 성능을 최대로 발휘!

- 초경의 특성을 이용한 고강성 설계
- 초경 일체형으로 슬립이 생기지 않음
- 깊은 측벽 가공도 안정적으로 가공
- 센터 스루 대응

교환식 공구용 아바
The arbor for
Indexable End Mill

Displaying the highest cutting performance of any indexable end mill!

- Highly rigid design makes the best use of Carbide alloy properties (high Young's modulus).
- Carbide, integral type eliminates slipping.
- Steady processing for deep standing-wall machining.
- Compatible with center-through coolant



일체형
Integrated type

초경
Carbide

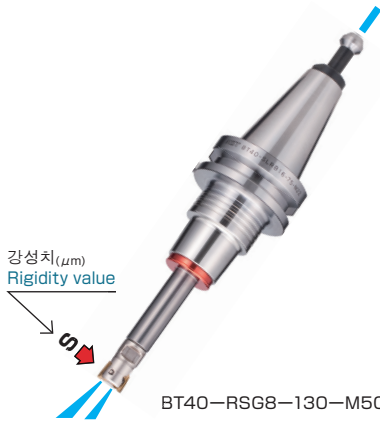
각 메이커 공구 대응!
Compatible with other
manufacturers' tools



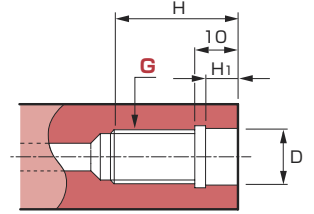
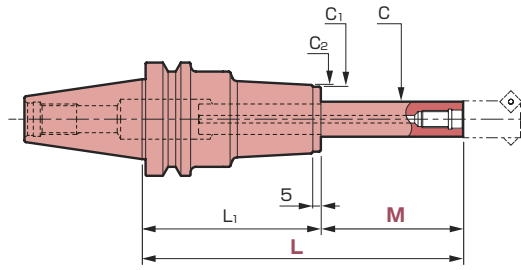
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1302KE



BT40-RSG8-130-M50



교환식 공구 장착부
Dimensions for the indexable end mill mounting

BT40

CODE	G	φD	H	H ₁	φC	L	M	L ₁	φC ₁	φC ₂	Kg	S
BT40-RSG 8-105-M 25	M8	8.5	18	6.5	15	105	25	80	30	32	1.4	0.6
-135-M 25						135	25	110			1.8	0.7
-130-M 50						130	50	80			1.4	1.5
-160-M 50						160	50	110			1.8	1.7
-155-M 75						155	75	80			1.5	3.1
-185-M 75						185	75	110			1.9	3.4
-165-M 85						165	85	80			1.5	4.0
-RSG10-125-M 25						M10	10.5	22			6.5	19
-155-M 25	155	25	130	2.2	0.5							
-150-M 50	150	50	100	1.9	0.9							
-180-M 50	180	50	130	2.3	1.0							
-175-M 75	175	75	100	2.0	1.6							
-205-M 75	205	75	130	2.4	1.8							
-200-M100	200	100	100	2.0	2.8							
-230-M100	230	100	130	2.4	3.0							
-RSG12-125-M 25	M12	12.5	22	6	24	125	25	100	43	45	2.0	0.3
-155-M 25						155	25	130			2.4	0.4
-150-M 50						150	50	100			2.1	0.5
-180-M 50						180	50	130			2.5	0.7
-175-M 75						175	75	100			2.3	0.9
-205-M 75						205	75	130			2.7	1.1
-200-M100						200	100	100			2.4	1.4
-230-M100						230	100	130			2.8	1.6

BT50

BT50-RSG 8-120-M 25	M8	8.5	18	6.5	15	120	25	95	30	32	4.0	0.6
-150-M 25						150	25	125			4.3	0.7
-145-M 50						145	50	95			4.0	1.5
-175-M 50						175	50	125			4.3	1.7
-170-M 75						170	75	95			4.1	3.0
-200-M 75						200	75	125			4.4	3.3
-180-M 85						180	85	95			4.1	3.9
-RSG10-140-M 25						M10	10.5	22			6.5	19
-170-M 25	170	25	145	4.6	0.5							
-165-M 50	165	50	115	4.4	0.8							
-195-M 50	195	50	145	4.7	0.9							
-190-M 75	190	75	115	4.5	1.6							
-220-M 75	220	75	145	4.8	1.7							
-215-M100	215	100	115	4.5	2.7							
-245-M100	245	100	145	4.8	2.9							
-RSG12-140-M 25	M12	12.5	22	6	24	140	25	115	43	45	4.6	0.2
-170-M 25						170	25	145			5.0	0.3
-165-M 50						165	50	115			4.7	0.5
-195-M 50						195	50	145			5.1	0.6
-190-M 75						190	75	115			4.9	0.8
-220-M 75						220	75	145			5.3	1.0
-215-M100						215	100	115			5.0	1.3
-245-M100						245	100	145			5.4	1.5
-RSG16-140-M 25	M16	17.0	25	6	29	140	25	115	52	54	5.4	0.2
-165-M 50						165	50	115			5.6	0.3
-190-M 75						190	75	115			5.8	0.5
-215-M100						215	100	115			6.0	0.7
-240-M125						240	125	115			6.2	1.1

CODE	G	φD	H	H ₁	φC	L	M	L ₁	φC ₁	φC ₂	Kg	S
A63 A 63-RSG 8-105-M 25	M 8	8.5	18	6.5	15	105	25	80	30	32	1.3	0.6
						135	25	110			1.4	0.7
						130	50	80			1.3	1.5
						160	50	110			1.4	1.7
						155	75	80			1.4	3.1
						185	75	110			1.5	3.4
						165	85	80			1.4	3.9
						-RSG10-125-M 25	M10	10.5			22	6.5
155	25	130	1.9	0.5								
150	50	100	1.7	0.8								
180	50	130	2.0	1.0								
175	75	100	1.8	1.6								
205	75	130	2.1	1.8								
200	100	100	1.8	2.7								
230	100	130	2.1	2.9								
-RSG12-125-M 25	M12	12.5	22	6	24	125	25	100	43	45	1.9	0.3
						155	25	130			2.3	0.4
						150	50	100			2.0	0.5
						180	50	130			2.4	0.6
						175	75	100			2.2	0.9
						205	75	130			2.6	1.0
						200	100	100			2.3	1.4
						230	100	130			2.7	1.6

A100 A100-RSG 8-120-M 25	M 8	8.5	18	6.5	15	120	25	95	30	32	2.6	0.6
						150	25	125			2.9	0.8
						145	50	95			2.6	1.5
						175	50	125			2.9	1.7
						170	75	95			2.7	3.1
						200	75	125			3.0	3.4
						180	85	95			2.7	4.0
						-RSG10-140-M 25	M10	10.5			22	6.5
170	25	145	3.5	0.5								
165	50	115	3.2	0.8								
195	50	145	3.6	1.0								
190	75	115	3.3	1.6								
220	75	145	3.7	1.8								
215	100	115	3.3	2.7								
245	100	145	3.7	2.9								
-RSG12-140-M 25	M12	12.5	22	6	24	140	25	115	43	45	3.4	0.3
						170	25	145			3.7	0.4
						165	50	115			3.5	0.5
						195	50	145			3.8	0.6
						190	75	115			3.7	0.8
						220	75	145			4.0	1.0
						215	100	115			3.8	1.4
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-RSG16-140-M 25	M16	17.0	25	6	29	140	25	115	52	54	4.1	0.2
						165	50	115			4.3	0.3
						190	75	115			4.5	0.5
						215	100	115			4.7	0.8
						240	125	115			4.9	1.1

- 옵션
- 표준 부속품
- 비고
- 주의사항
- 폴스터볼트 (BT)
- 쿨런트 덕트(HSK-A)
- CAT/DIN상크도 제작합니다. 폐사에 문의해 주세요.
- 교환식 공구는 포함되어 있지 않습니다. 각 절삭공구 메이커로부터 구매하여 주세요.
- 사용할 교환식 공구가 장착이 가능한지는 (교환식 공구 장착부) 치수를 확인하여 주세요.

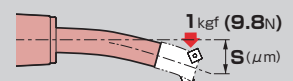
- Option
- Standard accessories
- Note
- Caution
- Retention knob(BT)
- Coolant duct(HSK-A)
- We can make CAT. and DIN standard shank, please contact us the detail.
- The indexable end mill is not a standard accessory. Please purchase it on the market.
- Please check your indexable end mills for conformance to the dimensions.

S 강성치에 대하여

교환식 공구 끝부분에 1kgf·m(9.8N) 의 부하를 가했을때 홀더와 공구 전체의 휘는 정도를 나타냅니다. 수치가 작을수록 강성이 높기 때문에 안정적인 가공이 가능합니다.

S About the rigidity value

A rigidity value represents the amount of deflection for the entire holder and tool when a bending load of 1 kgf (9.8 N) is applied to the tip of the tool. The smaller the numerical value is, the higher the rigidity and the more accurate the machining.

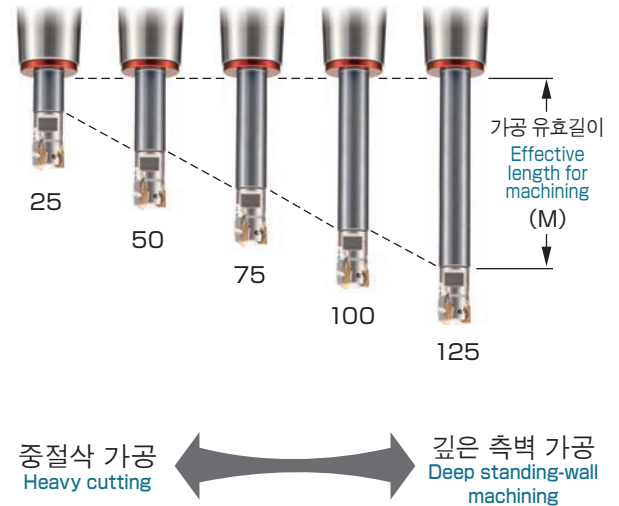


각 메이커 공구 대응 Compatible with other manufacturers' tools

교환식 공구 메이커
Examples of indexable end mill manufacturers



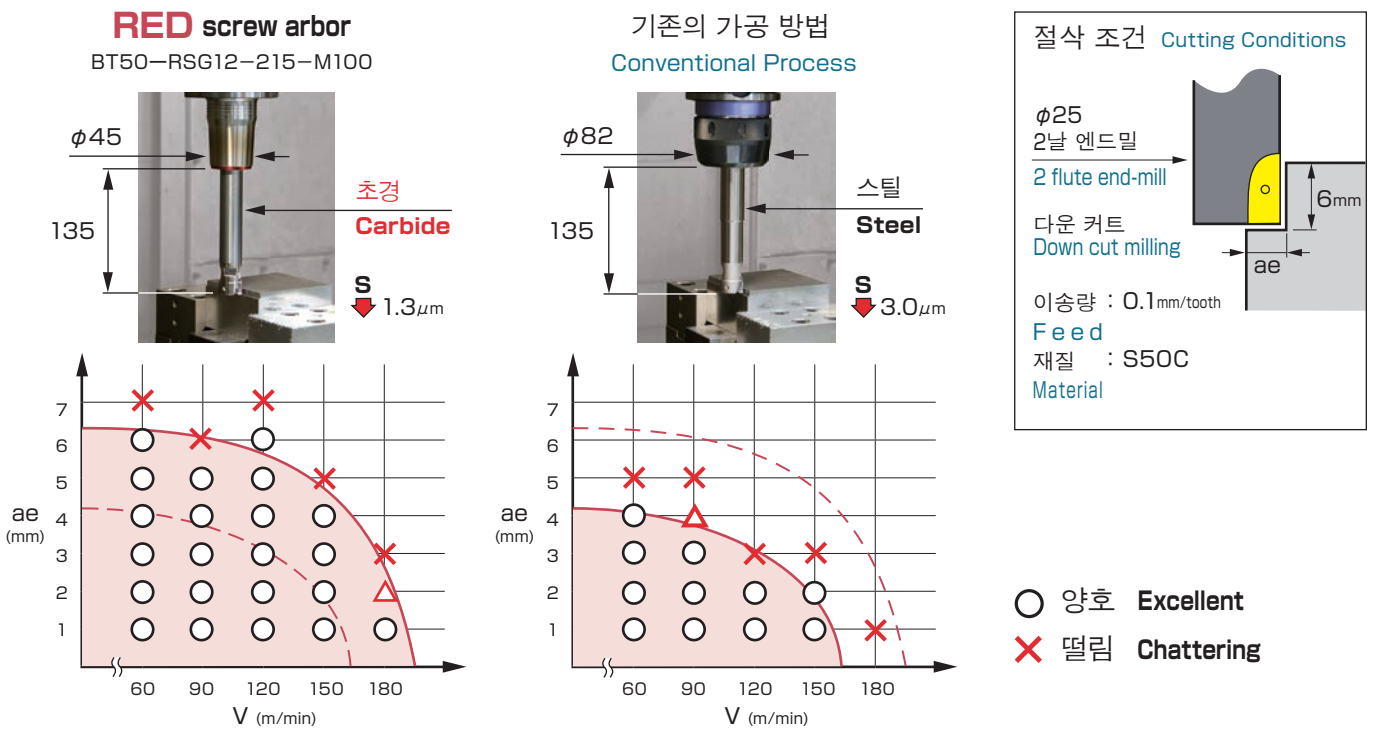
풍부한 가공 유효길이 Many effective lengths for machining



가공사례

Machining example

초경 일체형인 RED screw arbor 는 고강성이기 때문에 긴 공구가 필요한 깊은 측벽가공에서도 떨림이 없는 안정적인 가공이 가능합니다. 일반 홀더와 스틸 샤홅크를 결합한 방식과 비교하였을때 압도적인 절삭 성능을 보입니다.
A carbide, integrated-type RED screw arbor is highly rigid with low deflection, achieving steady machining without chatter even for deep standing-wall machining in which tool projection is long. A RED screw arbor demonstrates its overwhelming cutting performance as compared to a combination of a general holder and a steel shank.



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