



4 FLUTE, CORNER RADIUS BROKEN INDEX

- The impacting debut of new type endmill for high hardened steels up to HRC70 and high speed machining up to 200m/min.
- High precision and excellent surface due to each 4F unequal index geometry.
- Longer tool life over 50% as reducing chatter and resonance.

ZS1(2)04 ...series



EDP. No.	D	R	L ₁	L ₂	L ₃	D ₂	D ₃	STOCK
ZS104010	1	-	1.5	4	45	0.9	4	•
ZS204010		0.05						•
ZS104020	2	-	3	6	45	1.9	4	•
ZS204020		0.05						•
ZS104030	3	-	4	7	45	2.9	6	•
ZS204030		0.1						•
ZS104040	4	-	5	9	45	3.8	6	•
ZS204040		0.1						•
ZS104060	6	-	7	14	50	5.8	6	•
ZS204060		0.2						•
ZS104080	8	-	9	18	60	7.8	8	•
ZS204080		0.2						•
ZS104100	10	-	12	25	75	9.7	10	•
ZS204100		0.2						•
ZS104120	12	-	15	30	75	11.7	12	•
ZS204120		0.3						•

■ Tolerance

Mill Dia. (mm)	Shank Dia.
0 ~ -0.02	h6

※Items can be changed for quality improvement without notice.