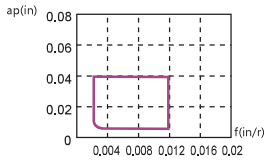
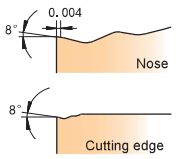
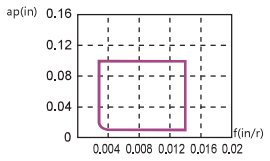
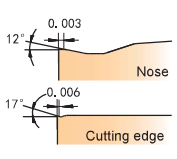
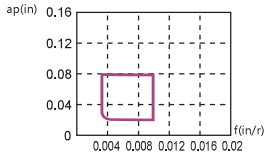
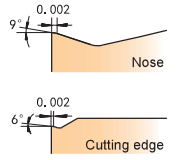
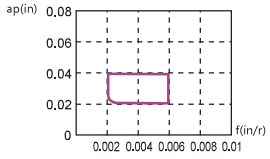
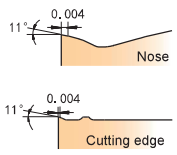
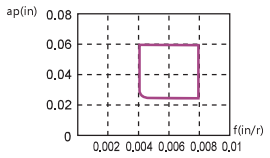
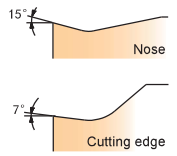
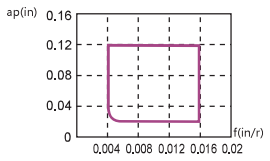
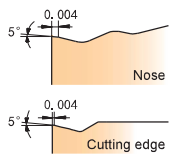
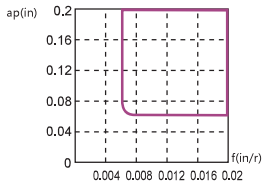
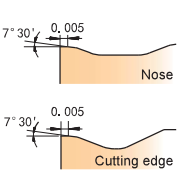
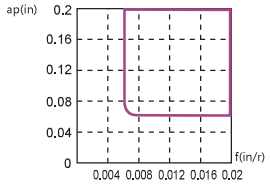
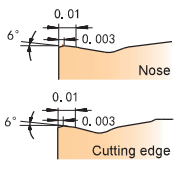
Introduction of chip-breakers

Negative inserts with a hole

Application / Chipbreaker	Precision	Recommended cutting parameters	Chipbreaker profile	Feature/Shape of insert
For finishing				
SF	M			**Recommended chipbreaker for fine-finishing P-kind soft steel** Double-side chipbreaker with M-class tolerance has outstanding performance on machining P kind soft steel and medium-carbon steel to ensure high surface quality. 
DF	M			**Recommended chipbreaker for finishing P-kind materials** Double-side chipbreaker with M-class tolerance for finish machining carbon and alloy steels. 
EF	M			**Recommended chipbreaker for finishing M-kind materials** Double-side chipbreaker with M-class tolerance with sharp edge for machining stainless steel to reduce built-up edge and work-hardening, while improving surface finish. 
NF	E			**Recommended chipbreaker for finishing S-kind materials** Double-side chipbreaker with E-class precision, for holding close tolerance when indexing.Wear resistance and work hardening resistance combine to achieve high maching precision. 
NGF	E			**Recommended chipbreaker for general finishing of S- materials** E-class double side chip breaker with excellent sharp edge.High positioning accuracy, light cutting force.-NGF is recommended chip breaker for S series material general finishing. 
Wiper				
WGF	M			**Wiper chipbreaker for finishing** Double-sided chipbreaker with M-level tolerance, finishing chipbreaker with wiper designed can achieve high surface quality. With excellent chip breaking ability, It is suitable for machining at high feed and small depth of cut. 
For semi-finishing				
DM	M			**Recommended chipbreaker for semi-finishing P-kind materials** Double-side chipbreaker with M-class tolerance reduces cutting force and workpiece adhesion,with a broad chipbreaking range for machining alloy steel. 
PM	M			**Recommended chipbreaker for semi-finishing P-kind materials** Double-side chipbreaker with M-class tolerance has higher toughness on cutting edge than DM chipbreaker. It's suitable for semi-finishing under unfavorable conditions. Also good for machining cast iron with low cutting force. 

A