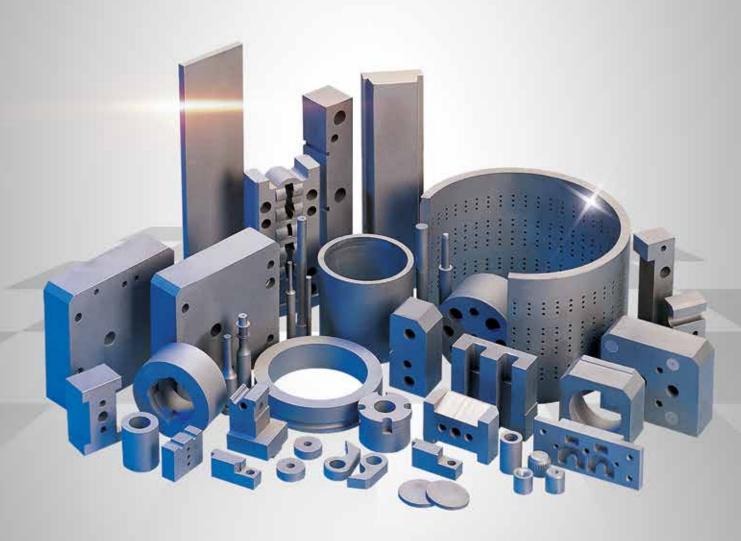
CARBIDE WEAR PARTS











PREFORM >>>>

PLATE >>>

► Excellent deformation resistance due to high compressive strength & impact strength.



Properties & Application of Main Grades

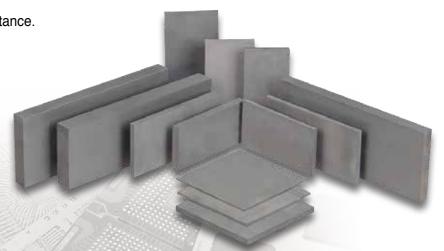
Grade	Properties & Application					
1400	Properties	6% Co with fine grain tungsten carbide. Very high wear resistance .				
K20	Application	 Powder compacting dies, small & medium dia drawing dies, nozzle. Dies, tube sizing mandrels, and impact extrusion dies, valve & valve seat, bush. 				
V00	Properties	9% Co with fine grain tungsten carbide.High wear resistance & medium toughness.				
K30	Application	 Blanking of very light ferros metals and light nonferros metals, powder compacting dies. General purpose drawing dies, tube sizing mandrels. 				
Doo	Properties	12% Co with fine grain tungsten carbide. High wear resistance & toughness.				
D20	Application	 Light blanking dies, forming dies, guide bush, burnishing rolls. Stamping dies for stainless steel & alloy steel. 				
DVs	Properties	16% Co with fine grain tungsten carbide.Very high toughness.				
DX5	Application	Wire flattening roll, lamination punchs & dies, tube mill roll. Cut edge dies, medium blanking dies.				

► High cutting-edge strength & good wear resistance by using fine & ultrafine WC.

► High deformation & deflection resistance.

Application

- _ Semi-Conductor
- _ Lead Frame
- _ Connector
- _ Switch & Relay

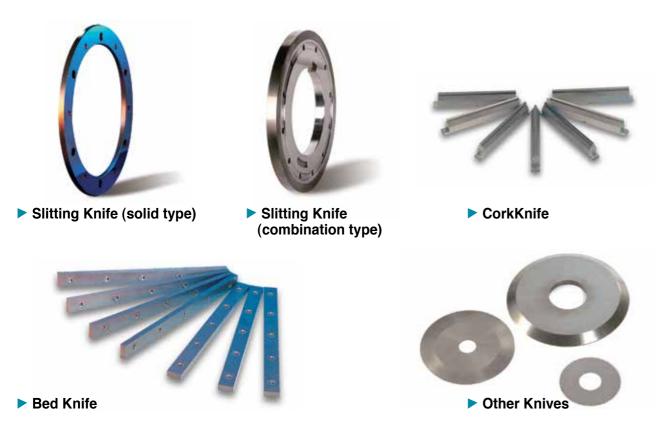


Properties & Application of Main Grades

	Grade	Properties & Application			
	UF12	Properties	 12% Co with ultra-fine grain tungsten carbide. Excellent wear resistance and toughness. Easy grinding and good edge stability. 		
		Application	Die & punch for semiconductor mold. Punch for lead frame & connector mold.		
	D20	Properties	 12% Co with fine tungsten carbide. High wear resistance and toughness. Easy grinding and specially designed for dies. 		
	DZV	Application	Die for lead frame & connector mold.		

KNIFE >>>

- ▶ Longer tool life due to high impact strength, tensile strength & wear resistance.
- ► Accurate & precise products can be obtained with mininized burrs.



Properties & Application of Main Grades

Grade	Properties & Application				
K20	Properties	6% Co with fine grain tungsten carbide.Very high wear resistance.			
N2U	Application	6% Co with fine grain tungsten carbide. Very high wear resistance.			
DX5	Properties	16% Co with fine grain tungsten carbide.High toughness and medium wear resistance.			
DAS	Application	Rotary slitting knives for medium thickness of steel & stainless steel plates.			
T25S	Properties	25% Co with fine grain tungsten carbide.High toughness and medium wear resistance.			
1235	Application	Rotary slitting knives for steel, stainless steel plate. Knives for steel & stainless steel bar.			

MATERIALS FOR FORGING MOLD >>>>



MATERIALS

FOR MOTOR CORE MOLD >>>



OTHER TOOLS >>>

GRADE OF CARBIDE WEAR PARTS >>>>

0 0 0

EXTRUSION & DRAWING DIES



▶ POLISHING DISK



PLUNGER



BURNISHING ROLL



LATHE CENTER



▶ NOZZLE



► SUCTION ROLL



Ultra-Fine Grade

Grade	Composition		TRS	Density	Hardness	Compressive
	wc	Co	Kpsi/ (N/mm²)	(g/cm³)	(HRa)	Strength (kgf/mm²)
UF10	90.0	10.0	4,253	14.5	92.0	610
UF12	88.0	12.0	4,047	14.1	92.7	630

Wear-Resistant Grade

	Composition		TRS	Density	Hardness	Compressive
Grade	wc	Со	Kpsi/ (N/mm²)	(g/cm³)	(HRa)	Strength (kgf/mm²)
K10	94.0	6.0	2,350	14.9	92.8	610
K20	94.0	6.0	2,590	15.0	92.0	530
K30	91.0	9.0	2,926	14.7	90.6	500
K40	89.0	11.0	3,350	14.4	89.5	400
K45	87.0	13.0	3,500	14.2	88.5	410
D20	88.0	12.0	3,360	14.3	90.0	430
DX5	84.0	16.0	3,640	13.9	87.5	410
T20S	80.0	20.0	2,900	13.5	84.0	390
T25S	75.0	25.0	2,900	13.0	83.7	370
T30S	70.0	30.0	2,800	12.7	81.0	350

CARBIDE WEAR PARTS

World Headquarters

304 Yonggye 4-ri, Gachang-myeon, Dalseong-gun, Daegu 711-864, KOREA Tel: +82-53-760-7637

Fax: +82-53-768-9912 Web:http://www.taegutec.com



