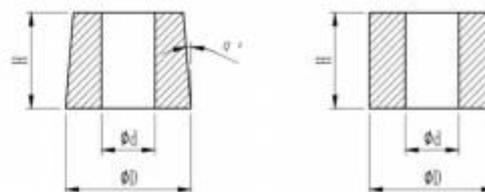


Matrizes de título de carboneto frio é usado na máquina de forjamento fria, tornando os materiais cortando, reformando, formando-se ao molde

## 冷镦模

Cold heading die



## 尺寸公差

Size of tolerance

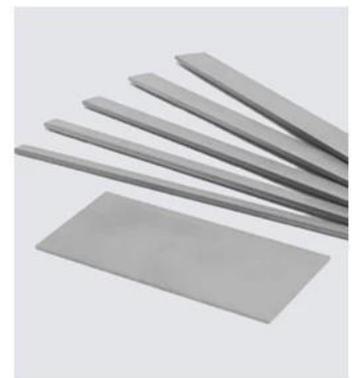
外径 Outside Diameter	牌号 Grade				Grade		
	HG6	HG7	HD7	HD8	HD9	HD11	HD12
外径极限偏差				Deviation			
Ø10~Ø30	+0.3~-+0.6				+0.3~-+0.6		
Ø30~Ø50	+0.4~-+0.7				+0.4~-+0.8		
Ø50~Ø70	+0.4~-+0.8				+0.4~-+1.0		

内径 Inner Diameter	牌号 Grade				Grade		
	HG6	HG7	HD7	HD8	HD9	HD11	HD12
内径极限偏差				Deviation			
Ø1~Ø10	-0.2~-0.4				-0.2~-0.4		
Ø10~Ø20	-0.3~-0.8				-0.3~-0.8		
Ø20~Ø30	-0.5~-1.0				-0.8~-1.2		
Ø30~Ø40	-0.8~-1.5				-1.2~-1.5		
Ø40	-1.0				-1.2		

高度 Height	牌号 Grade				Grade		
	HG6	HG7	HD7	HD8	HD9	HD11	HD12
高度极限偏差				Deviation			
10~35	+0.6~-+1.0				+0.6~-+1.0		
35~45	+0.8~-+1.2				+0.8~-+1.5		
45~55	+1.0~-+1.5				+1.0~-+1.5		
55~65	+1.2~-+1.8				+1.2~-+1.8		

Recomendação de notas.:

牌号	钴含量	WC 晶粒度	硬度	密度	抗弯 强度	弹性 模量	冲击 韧性	适用范围
Grade	Co %	Grain Size of WC/um	Hardness HRA ±0.5	Density g/m <sup>3</sup> ±0.1	Flexural Strength Mpa	Elastic Modulus Gpa	Impact Toughness J/cm <sup>2</sup>	Applications
HG6	15	2	86.5	13.95	3000	440	6.4	耐磨、耐冲击要求比较高的工程齿、冷 锻模具。 Suitable for Engineering Teeth, Cold Forging Die, with High Wear and Impact Resistance.
HG7	18	2	85	13.75	2800	410	7.4	
HD9	24	2	82	13.10	2800	340	10	
HD11	21	2	84.5	13.45	2800	340	8.2	具有高韧性、耐冲击性、耐热冲击性等优 点，适用于在对冲击性要求比较高的冷 间锻造领域。 Suitable for Strict Requirement Cold Forging Area, with High Toughness, Impact Resistance and Heat Resistance.
HD12	24	2	82.5	13.15	2800	340	10.4	



# PRODUCTION WORKFLOW CHART



RAW MATERIAL



MIXING & GRINDING



AIR DRY



MOLDING



INSPECTION



SINTERING



METAL PROCESSING



FQC



PACKING