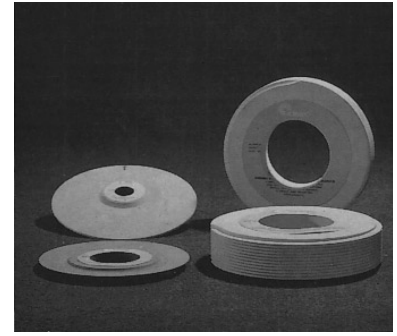
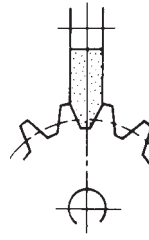


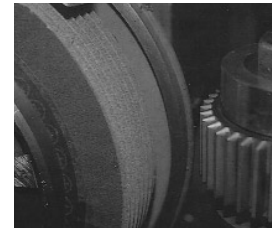
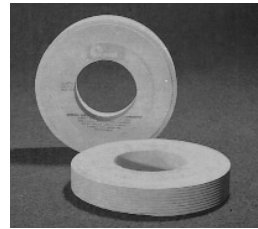
Three main ways of gear grinding:

1. Reshauer system: Continuously generating grinding. High efficiency, suitable for mass production of small gear.
2. Pratt system: Indexing type generating grinding of adjacent tooth flanks with a type 4 wheels.
3. Magg system: Indexing type generating grinding of non-adjacent tooth flanks with two saucer wheels. (Type 12-1)



## ■ "Reishauer" System:

Gear Material	Gear Size			Pressure Angle (°)	Recommendation	Standard size (mm)
	Module	Diameter	Pitch			
(SNCM) (SCr)	1.0~1.25	25~20		17.5°, 20°	32A180-K/J8V	350 x 62 x 160 350 x 84 x 160
	1.5~2.0	18~13		17.5°, 20°	32A150-J8V	350 x 104 x 160
	2.5~3.0	10~7.5		17.5°, 20°	32A120-J8V	350 x 150 x 160 ★
	3.25~4.5	8~6		17.5°, 20°	32A100-J8V	400 x 84 x 160 400 x 104 x 160
	5.0~7.0	5~3.5		17.5°, 20°	32A80-J8V	400 x 150 x 160 ★

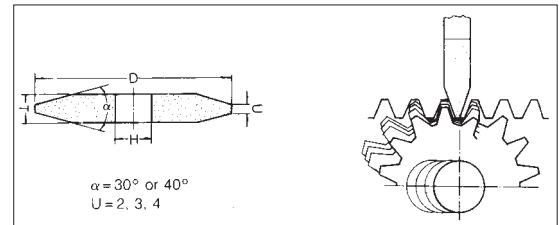


- Note: 1. The tooth shape of above wheels marked by "★" shall be generated by users.  
2. When ordering, please advise gear material, diameter pitch or module and wheel sizes.

## ■ Pratt System:

Gear Material	Wheels O. D.	Recommendation			Standard sizes (mm)
		M 0.75~2	M2.5~4	Module 4	
Heat-treated low-alloyed steel strength $\leq 120\text{kg/mm}^2$	240mm	PSA100-IV	PSA60-IV	PSA54-IV	240 x 16 x 45
	350mm		PSA60-HV		240 x 20 x 45
Hardened low-alloyed steel	240mm		WA60-JV	WA54-IV	240 x 25 x 45
	350mm	WA100-IV	WA60-IV		350 x 25 x H
Nitrided Steel	240mm	GC100-IV	GC80-IV	GC80-IV	350 x 30 x H
	350mm				H = 90, 127, 160
Hardened High-alloyed steel & HSS.	240mm	32A100-HV	32A60-IV	32A46-IV	400 x 32 x 127
	350mm		32A60-HV		400 x 40 x 127
	400mm				400 x 50 x 127
Grey Cast Iron Chilled Cast Iron	240mm		WA60-KV		400 x 60 x 127
	350mm		WA60-JV	WA46-KV	400 x 60 x 127
	400mm				600 x 40 x 203.2

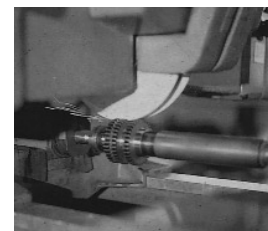
Type 4 (Tapered two sides)



## ■ Maag System:

Gear Material	Recommendation		
	M 1~2.5	M2.5~5	Module 5
Heat-treated low-alloyed steel strength $\leq 120\text{kg/mm}^2$	PSA80-JV	PSA60-JV	PSA46-JV
Hardened low-alloyed steel	PSA80-IV	PSA60-IV	PSA46-HV
Nitrided Steel	GC100-HV	GC80-HV	GC80-HV
Hardened High-alloyed steel & HSS.	WA80-HV	WA60-IV	WA60-HV
	32A100GV	32A60-HV	32A60-HV

Type 12-1



Standard size (D x T x H) (mm)			
220 x 17 x 40	340 x 26.5 x 55	450 x 29 x 127	500 x 29 x 160
220 x 20 x 90	340 x 26.5 x 150	450 x 29 x 160	500 x 29 x 270
280 x 25.5 x 40	340 x 29 x 55	480 x 29 x 127	500 x 41 x 160
280 x 32 x 90	340 x 29 x 150	480 x 29 x 160	500 x 41 x 270

Note: When ordering, please advise full sizes, including U. J. K. P.