



SHAVING CUTTERS

Shaving tools are supplied to comply with all methods of gear shaving.

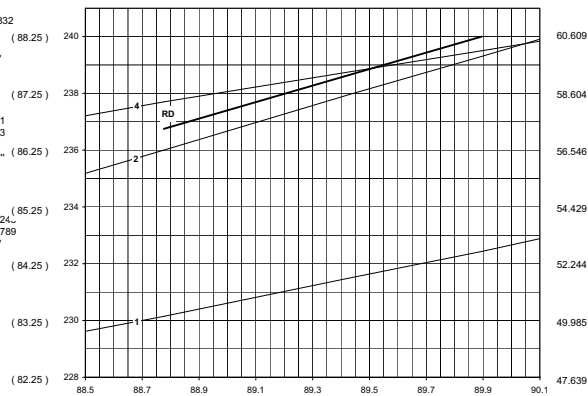
- Conventional
- Underpass
- Diagonal
- Plunge

RANGE
 Mod [DP] 1 [25.4] - 5 [5.08]
 Max diameter 270 [10.6"]

MATERIAL
 • HSS-PM steels

RESHARPENING DIAGRAM

Cutter No 30076832
 Normal module 1.8143 (88.25)
 Normal pressure angle (°) 17°30"
GEAR
 No. of teeth 41 (87.25)
 Outside diameter 92.8
 Finishing chamfer dia. 92.3231
 Root diameter 82.3523
 Start of involute profile / fin 61.8
 Elix angle (°) left -32°15"
 Normal tooth thickness / fin 2.8026
SHAVING CUTTER
 No. of teeth 113 (85.25)
 Pitch diameter 218.5224
 Base diameter 207.13789
 Elix angle (°) right 20°15"
 nominal cross angle -12"
 EAP (new) (84.25)
 SAP (new) 0
 involute lenght (new) 0



— db Base diameter
 — dp Pitch diameter
 — 1 points which shave the end of active profile (chamfer dia. 92.3231)
 — 2 points which shave the start of active profile (dia. 61.8)
 — 4 line of even contact 6_4_6
 — RD cutter OD reduction

FUBRI srl Viganò - Italy

GEAR SHAVING TOOLS

SHAVING CUTTER SPECIFICATIONS

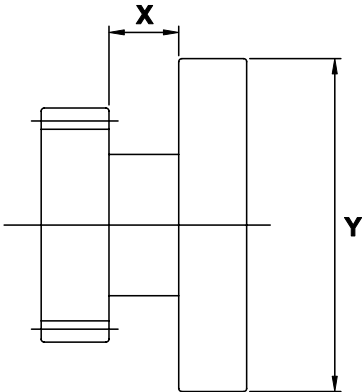
Module / Number Teeth Relationship (mm)

NOMINAL DIAMETER	MODULE	NUMBER OF TEETH	NOMINAL DIAMETER	MODULE	NUMBER OF TEETH
200	1.25	151	225	3.25	67
	1.50	131 / 137		3.50	61
	1.75	113 / 117		3.75	59
	2.00	97		4.00	53
	2.25	89		4.50	47
	2.50	79		5.00	43
	2.75	73		5.50	41
	3.00	67		6.00	37
	3.25	61		6.50	31
	3.50	59		7.00	31
	3.75	53		8.00	29
	4.00	47		4.00	73
	4.50	43		4.50	67
	5.00	41		5.00	59
5.50	37	5.50	53		
6.00	31	6.00	47		
225	1.25	173	300	6.50	43
	1.50	151		7.00	41
	1.75	131		8.00	37
	2.00	113		9.00	31
	2.25	97		10.0	29
	2.50	89		11.0	27
	2.75	79		12.0	23
	3.00	73			

Nominal Width Of Shaving Cutters (mm)

19.05	22	25.4	28	32	38	44
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Data Required When Ordering Shaving Tools

Component Reference No. Pitch Pressure angle No. of teeth Helix angle & Direction RH / LH Major diameter Minor diameter Depth+Fillet Span & No. teeth spanned Over pin value & pin diameter Shaving diameter (TIF) Face width	Shaving Cutter Conventional Diagonal Underpass Plunge		Shoulder gear details (if applicable) 
	Material		
	Nominal outside diameter		
	No. teeth		
	Helix angle on PCD		
	Bore diameter		
	Face width		
	Modifications (if required)		
	X=		
	Y=		