

# HMP20 & HMPG20 SERIES

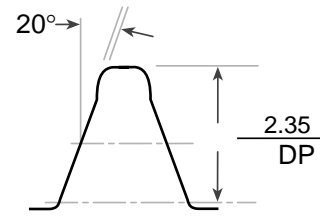
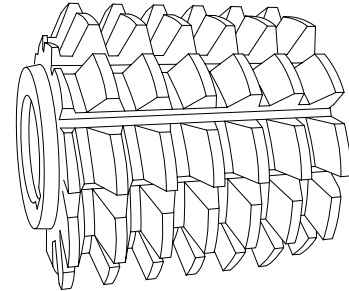
## 20° PA

Module	O.D.	Length	Bore	Whole Depth	Specify Class A, B, C, D	
					Pre-Shave	Pre-Grind
0.75	1-7/8	1-1/2	3/4	.0694	HMP20-075S	HMPG20-075S
0.8	1-7/8	1-7/8	3/4	.0740	HMP20-080S	HMPG20-080S
1	1-7/8	1-7/8	3/4	.0925	HMP20-100S	HMPG20-100S
1	2-1/2	2	1-1/4	.0925	HMP20-100	HMPG20-100
1-1/4	1-7/8	1-7/8	3/4	.1156	HMP20-125S	HMPG20-125S
1-1/4	2-1/2	2-1/2	1-1/4	.1156	HMP20-125	HMPG20-125
1-1/2	1-7/8	1-7/8	3/4	.1388	HMP20-150S	HMPG20-150S
1-1/2	2-1/2	2-1/2	1-1/4	.1388	HMP20-150	HMPG20-150
1-3/4	1-7/8	1-7/8	3/4	.1619	HMP20-175S	HMPG20-175S
1-3/4	2-1/2	2-1/2	1-1/4	.1619	HMP20-175	HMPG20-175
2	2-3/4	2-3/4	1-1/4	.1850	HMP20-200	HMPG20-200
2-1/4	2-3/4	2-3/4	1-1/4	.2082	HMP20-225	HMPG20-225
2-1/2	2-3/4	2-3/4	1-1/4	.2313	HMP20-250	HMPG20-250
2-3/4	3	3	1-1/4	.2544	HMP20-275	HMPG20-275
3	3	3	1-1/4	.2776	HMP20-300	HMPG20-300
3-1/2	3	3	1-1/4	.3238	HMP20-350	HMPG20-350
4	3-1/2	3-1/2	1-1/4	.3701	HMP20-400	HMPG20-400
4-1/2	3-1/2	3-1/2	1-1/4	.4163	HMP20-450	HMPG20-450
5	3-1/2	3-1/2	1-1/4	.4626	HMP20-500	HMPG20-500
6	4	4	1-1/4	.5551	HMP20-600	HMPG20-600
7	4-1/4	4-3/4	1-1/4	.6476	HMP20-700	HMPG20-700
8	4-1/2	5	1-1/4	.7402	HMP20-800	HMPG20-800
9	5	6	1-1/2	.8327	—	HMPG20-900
10	5	6	1-1/2	.9252	—	HMPG20-010
11	5-1/2	6-1/2	1-1/2	1.0178	—	HMPG20-011
12	5-3/4	7	1-1/2	1.1102	—	HMPG20-012
13	6	7-1/2	1-1-2	1.2028	—	HMPG20-013
14	6-1/2	8	1-1/2	1.2953	—	HMPG20-014
15	6-3/4	8	1-1/2	1.3878	—	HMPG20-015
16	7-1/2	8-1/2	1-1/2	1.4803	—	HMPG20-016
18	8-1/4	9	2	1.6654	—	HMPG20-018
20	8-3/4	10	2	1.8504	—	HMPG20-020

## MODULE

### Pre-Shave & Pre-Grind Protuberance

### Single Thread, Right Hand Non-Chamfering



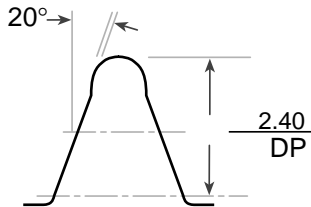
For left hand Pre-Shave hob, inquire on HMPGL20 Series.  
For left hand Pre-Grind hob, inquire on HMPGL20 Series.

# HMPGR20 SERIES

## 20° PA

### MODULE

**Pre-Grind, Full Fillet  
Protuberance  
Single Thread, Right Hand  
Chamfering &  
Non-Chamfering**



Module	O.D.	Length	Bore	Whole Depth	Specify Class A, B, C, D	
					Non-Chamfering	Chamfering
2	2-3/4	2-3/4	1-1/4	.1889	HMPGR20-200	HMPGRC20-200
3	3	3	1-1/4	.2834	HMPGR20-300	HMPGRC20-300
4	3-1/2	3-1/2	1-1/4	.3779	HMPGR20-400	HMPGRC20-400
5	3-1/2	3-1/2	1-1/4	.4724	HMPGR20-500	HMPGRC20-500
6	4	4	1-1/4	.5669	HMPGR20-600	HMPGRC20-600
8	4-1/2	5	1-1/4	.7559	HMPGR20-800	HMPGRC20-800
10	5	6	1-1/4	.9449	HMPGR20-010	HMPGRC20-010
12	5-3/4	7	1-1/4	1.134	HMPGR20-012	HMPGRC20-012
16	7-1/2	8-1/2	1-1/4	1.5118	HMPGR20-016	HMPGRC20-016
20	8-3/4	10	2	1.889	HMPGR20-020	HMPGRC20-020