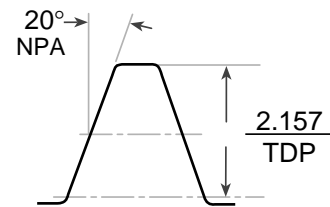
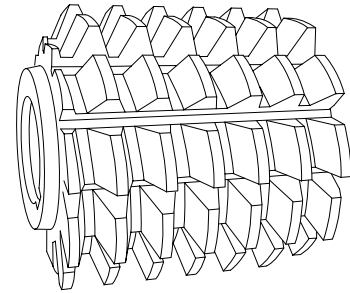


## HTD23 SERIES TDP, 20° NPA

Transverse DP	Norm. DP	OD	Length	Bore	Whole Depth	Specify Class B, C, D
1	1.086	10-1/4	13-1/2	2	2.157	HTD23-100
1-1/4	1.358	8-1/4	9	1-1/2	1.7256	HTD23-125
1-1/2	1.630	7	8	1-1/2	1.438	HTD23-150
1-3/4	1.901	6-1/4	7	1-1/2	1.2326	HTD23-175
2	2.173	5-3/4	6-1/2	1-1/2	1.0786	HTD23-200
2-1/2	2.716	5	6-1/2	1-1/2	.8628	HTD23-250
3	3.259	4-1/2	5	1-1/4	.7190	HTD23-300
3-1/2	3.802	4	4	1-1/4	.6163	HTD23-350
4	4.345	4	4	1-1/4	.5393	HTD23-400
4-1/2	4.889	3-1/2	3-1/2	1-1/4	.4793	HTD23-450
5	5.432	3-1/3	3-1/3	1-1/4	.4314	HTD23-500
5-1/2	5.975	3-1/4	3-1/4	1-1/4	.3922	HTD23-550
6	6.518	3-1/3	3-1/3	1-1/4	.3595	HTD23-600
7	7.605	3	3	1-1/4	.3082	HTD23-700
8	8.691	3	3	1-1/4	.2696	HTD23-800
9	9.778	2-3/4	2-3/4	1-1/4	.2397	HTD23-900
10	10.864	1-7/8	1-7/8	3/4	.2157	HTD23-010S
10	10.864	2-3/4	2-3/4	1-1/4	.2157	HTD23-010
11	11.950	2-1/2	2-1/2	1-1/4	.1961	HTD23-011
12	13.036	1-7/8	1-7/8	3/4	.1798	HTD23-012S
12	13.036	2-1/2	2-1/2	1-1/4	.1798	HTD23-012
14	15.2090	2-1/2	2-1/2	1-1/4	.1541	HTD23-014
16	17.382	1-7/8	1-7/8	3/4	.1348	HTD23-016S
16	17.382	2-1/2	2-1/2	1-1/4	.1348	HTD23-016
18	19.5545	1-7/8	1-7/8	3/4	.1198	HTD23-018S
20	21.727	1-7/8	1-7/8	3/4	.112	HTD23-020S
24	26.073	1-7/8	1-7/8	3/4	.0937	HTD23-024S
28	31.7120	1-7/8	1-7/8	3/4	.0806	HTD23-028S
32	34.7635	1-7/8	1-7/8	3/4	.0708	HTD23-032S

### 23° Helical Trans. DP & Normal PA Finishing, Single Thread Right Hand



20 DP & finer, WD = 2.20/TDP + .002  
20° NPA = 21.5939° TPA = (21° 34'26")

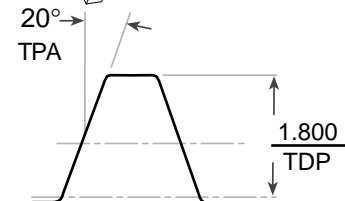
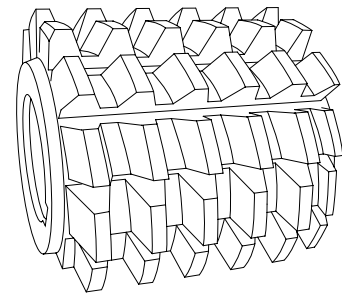
For left hand hob, inquire on HTDL23 Series.

**Premium Steel  
PM M45 & M42 In Stock!!**

## HTS23 SERIES TDP, 20° TPA

Transverse DP	Norm. DP	OD	Length	Bore	Whole Depth	Specify Class B, C, D
1	1.086	10	12-1/2	2	1.800	HTS23-100
1-1/4	1.358	7-1/2	9-1/2	1-1/2	1.440	HTS23-125
1-1/2	1.630	7	8	1-1/2	1.200	HTS23-150
1-3/4	1.901	6-1/4	7-1/4	1-1/2	1.0286	HTS23-175
2	2.173	5	6	1-1/4	.900	HTS23-200
2-1/2	2.716	4-1/2	5-1/2	1-1/4	.720	HTS23-250
3	3.259	4-1/4	4-1/4	1-1/4	.600	HTS23-300
3-1/2	3.802	4	4	1-1/4	.5143	HTS23-350
4	4.345	4	4	1-1/4	.450	HTS23-400

### 23° Helical Trans. DP & PA, Stub Finishing, Single Thread Right Hand



20° TPA = 18.5227° NPA = (18° 31'22")  
For left hand hob, inquire on HTSL23 Series.

### DON'T SEE WHAT YOU WANT?

*Please call. We will search through our surplus of hobs or special order to your specific requirements.*