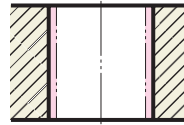


NIKKEN CARBIDE MILL REAMER

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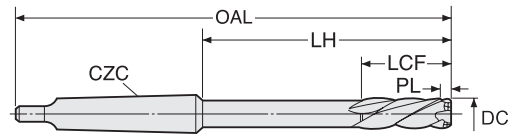
HMM

Mill Reamer (Morse Taper) Shank



Explanation of the Code No.

HMM - 6.0
 ● DIAMETER
 ● MILLREAMER SERIES
 HMM : MORSE TAPER SHANK FOR THROUGH HOLE



MILLING BLADE

LH-HELIX 30-35°

P.135

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
HMM- 3.0	△	3.0	115	MT1	4	16	49.5
- 3.1	△	3.1	115	MT1	4	16	49.5
- 3.2	△	3.2					
- 3.3	△	3.3	115	MT1	4.4	18	49.5
- 3.4	△	3.4					
- 3.5	△	3.5					
- 3.6	△	3.6					
- 3.7	△	3.7					
- 3.8	△	3.8					
- 3.9	△	3.9					
- 4.0	△	4.0					
- 4.1	△	4.1					
- 4.2	△	4.2					
- 4.3	△	4.3	130	MT1	4.8	18	49.5
- 4.4	△	4.4					
- 4.5	△	4.5					
- 4.6	△	4.6					
- 4.7	△	4.7					
- 4.8	△	4.8					
- 4.9	△	4.9					
- 5.0	△	5.0					
- 5.1	△	5.1					
- 5.2	△	5.2					
- 5.3	△	5.3	130	MT1	5.1	25	64.5
- 5.4	△	5.4					
- 5.5	△	5.5					
- 5.6	△	5.6					
- 5.7	△	5.7					
- 5.8	△	5.8					
- 5.9	△	5.9					
- 6.0	●	6.0					
- 6.1	△	6.1					
- 6.2	△	6.2					
- 6.3	△	6.3	140	MT1	5.6	25	74.5
- 6.4	△	6.4					
- 6.5	●	6.5					
- 6.6	△	6.6					
- 6.7	△	6.7					
- 6.8	△	6.8					
- 6.9	△	6.9					
- 7.0	●	7.0					
- 7.1	△	7.1					
- 7.2	△	7.2					
- 7.3	△	7.3	150	MT1	6.4	25	84.5
- 7.4	△	7.4					
- 7.5	●	7.5					
- 7.6	△	7.6					
- 7.7	△	7.7					
- 7.8	△	7.8					
- 7.9	△	7.9					
- 8.0	●	8.0					
- 8.1	△	8.1					
- 8.2	△	8.2					
- 8.3	△	8.3	165	MT1	6.8	25	99.5
- 8.4	△	8.4					
- 8.5	●	8.5					
- 8.6	△	8.6					
- 8.7	△	8.7					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
HMM- 8.8	△	8.8	165	MT1	7.0	25	99.5
- 8.9	△	8.9					
- 9.0	●	9.0					
- 9.1	△	9.1	165	MT1	7.1	29	99.5
- 9.2	△	9.2					
- 9.3	△	9.3					
- 9.4	△	9.4					
- 9.5	●	9.5					
- 9.6	△	9.6					
- 9.7	△	9.7					
- 9.8	△	9.8					
- 9.9	△	9.9					
-10.0	●	10.0					
-10.1	△	10.1	170	MT1	7.6	29	104.5
-10.2	△	10.2					
-10.3	△	10.3					
-10.4	△	10.4					
-10.5	●	10.5					
-10.6	△	10.6					
-10.7	△	10.7					
-10.8	△	10.8					
-10.9	△	10.9					
-11.0	●	11.0					
-11.1	△	11.1	170	MT1	7.9	29	104.5
-11.2	△	11.2					
-11.3	△	11.3					
-11.4	△	11.4					
-11.5	●	11.5					
-11.6	△	11.6					
-11.7	△	11.7					
-11.8	△	11.8					
-11.9	△	11.9					
-12.0	●	12.0					
-12.1	△	12.1	180	MT1	7.9	29	114.5
-12.2	△	12.2					
-12.3	△	12.3					
-12.4	△	12.4					
-12.5	●	12.5					
-12.6	△	12.6					
-12.7	△	12.7					
-12.8	△	12.8					
-12.9	△	12.9					
-13.0	●	13.0					
-13.1	△	13.1	180	MT1	8.2	29	114.5
-13.2	△	13.2					
-13.3	△	13.3					
-13.4	△	13.4					
-13.5	●	13.5					
-13.6	△	13.6					
-13.7	△	13.7					
-13.8	△	13.8					
-13.9	△	13.9					
-14.0	●	14.0					
-14.1	△	14.1	200	MT2	9.0	29	120
-14.2	△	14.2					
-14.3	△	14.3					
-14.4	△	14.4					
-14.5	●	14.5					

★PL means chamfering length to φDC.

Next page >>>>

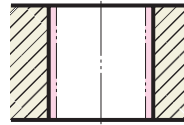
CARBIDE FOR THROUGH HOLE

NIKKEN CARBIDE MILL REAMER

NIKKEN

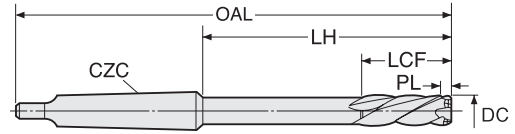
HMM

Mill Reamer (Morse Taper Shank)



Explanation of the Code No.

HMM - 6.0
 DIAMETER
 MILLREAMER SERIES
 HMM : MORSE TAPER SHANK FOR THROUGH HOLE



MILLING BLADE

LH-HELIX 30-35°

P.135

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
HMM-14.6	△	14.6	200	MT2	9.0	29	120
-14.7	△	14.7					
-14.8	△	14.8					
-14.9	△	14.9					
-15.0	●	15.0					
-15.1	△	15.1	200	MT2	9.0	29	120
-15.2	△	15.2					
-15.3	△	15.3					
-15.4	△	15.4					
-15.5	●	15.5					
-15.6	△	15.6	205	MT2	9.4	30	125
-15.7	△	15.7					
-15.8	△	15.8					
-15.9	△	15.9					
-16.0	●	16.0					
-16.1	△	16.1					
-16.2	△	16.2					
-16.3	△	16.3					
-16.4	△	16.4					
-16.5	●	16.5					
-16.6	△	16.6	205	MT2	9.4	30	125
-16.7	△	16.7					
-16.8	△	16.8					
-16.9	△	16.9					
-17.0	●	17.0					
-17.1	△	17.1					
-17.2	△	17.2					
-17.3	△	17.3					
-17.4	△	17.4					
-17.5	●	17.5					
-17.6	△	17.6	210	MT2	9.4	30	130
-17.7	△	17.7					
-17.8	△	17.8					
-17.9	△	17.9					
-18.0	●	18.0					
-18.1	△	18.1					
-18.2	△	18.2					
-18.3	△	18.3	210	MT2	9.4	30	130
-18.4	△	18.4					
-18.5	●	18.5					
-18.6	△	18.6					
-18.7	△	18.7					
-18.8	△	18.8					
-18.9	△	18.9					
-19.0	●	19.0					
-19.1	△	19.1					
-19.2	△	19.2					
-19.3	△	19.3					
-19.4	△	19.4					
-19.5	●	19.5					
-19.6	△	19.6					
-19.7	△	19.7					
-19.8	△	19.8					
-19.9	△	19.9					
-20.0	●	20.0	220	MT2	9.8	30	140
-20.1	△	20.1					
-20.2	△	20.2					
-20.3	△	20.3					
-20.4	△	20.4	230	MT2	9.8	33.5	150
-20.5	●	20.5					
-20.6	△	20.6					
-20.7	△	20.7					
-20.8	△	20.8					
-20.9	△	20.9					
-21.0	●	21.0					
-21.1	△	21.1					
-21.2	△	21.2					
-21.3	△	21.3					
-21.4	△	21.4	230	MT2	10.3	33.5	150
-21.5	●	21.5					
-21.6	△	21.6					
-21.7	△	21.7					
-21.8	△	21.8					
-21.9	△	21.9					
-22.0	●	22.0					
-22.1	△	22.1					
-22.2	△	22.2					
-22.3	△	22.3					
-22.4	△	22.4	240	MT2	10.8	33.5	160
-22.5	●	22.5					
-22.6	△	22.6					
-22.7	△	22.7					
-22.8	△	22.8					
-22.9	△	22.9					
-23.0	●	23.0					
-23.1	△	23.1					
-23.2	△	23.2					
-23.3	△	23.3					
-23.4	△	23.4	250	MT3	10.8	33.5	151
-23.5	●	23.5					
-23.6	△	23.6					
-23.7	△	23.7					
-23.8	△	23.8					
-23.9	△	23.9					
-24.0	●	24.0					
-24.1	△	24.1					
-24.2	△	24.2					
-24.3	△	24.3					
-24.4	△	24.4	255	MT3	10.8	33.5	156
-24.5	●	24.5					
-24.6	△	24.6					
-24.7	△	24.7					
-24.8	△	24.8					
-24.9	△	24.9					
-25.0	●	25.0					
-25.1	△	25.1					
-25.2	△	25.2					
-25.3	△	25.3					
-25.4	△	25.4	255	MT3	11.3	33.5	156
-25.5	●	25.5					
-25.6	△	25.6					
-25.7	△	25.7					
-25.8	△	25.8					
-25.9	△	25.9					
-26.0	●	26.0					
-26.1	△	26.1					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
HMM-20.4	△	20.4	230	MT2	9.8	33.5	150
-20.5	●	20.5					
-20.6	△	20.6					
-20.7	△	20.7					
-20.8	△	20.8					
-20.9	△	20.9	230	MT2	10.3	33.5	150
-21.0	●	21.0					
-21.1	△	21.1					
-21.2	△	21.2					
-21.3	△	21.3					
-21.4	△	21.4	230	MT2	10.3	33.5	150
-21.5	●	21.5					
-21.6	△	21.6					
-21.7	△	21.7					
-21.8	△	21.8					
-21.9	△	21.9					
-22.0	●	22.0					
-22.1	△	22.1					
-22.2	△	22.2					
-22.3	△	22.3					
-22.4	△	22.4	240	MT2	10.8	33.5	160
-22.5	●	22.5					
-22.6	△	22.6					
-22.7	△	22.7					
-22.8	△	22.8					
-22.9	△	22.9					
-23.0	●	23.0					
-23.1	△	23.1					
-23.2	△	23.2					
-23.3	△	23.3					
-23.4	△	23.4	250	MT3	10.8	33.5	151
-23.5	●	23.5					
-23.6	△	23.6					
-23.7	△	23.7					
-23.8	△	23.8					
-23.9	△	23.9					
-24.0	●	24.0					
-24.1	△	24.1					
-24.2	△	24.2					
-24.3	△	24.3					
-24.4	△	24.4	255	MT3	10.8	33.5	156
-24.5	●	24.5					
-24.6	△	24.6					
-24.7	△	24.7					
-24.8	△	24.8					
-24.9	△	24.9					
-25.0	●	25.0					
-25.1	△	25.1					
-25.2	△	25.2					
-25.3	△	25.3					
-25.4	△	25.4	255	MT3	11.3	33.5	156
-25.5	●	25.5					
-25.6	△	25.6					
-25.7	△	25.7					
-25.8	△	25.8					
-25.9	△	25.9					
-26.0	●	26.0					
-26.1	△	26.1					

★PL means chamfering length to ΦDC.

Next page >>>

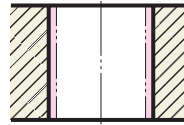
CARBIDE FOR THROUGH HOLE

NIKKEN CARBIDE MILL REAMER



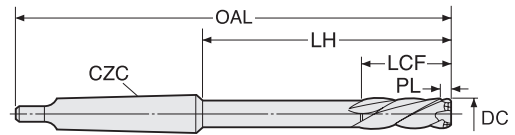
HMM

Mill Reamer (Morse Taper) Shank



Explanation of the Code No.

HMM - 6.0
 DIAMETER
 MILLREAMER SERIES
 HMM : MORSE TAPER SHANK FOR THROUGH HOLE



MILLING BLADE

LH-HELIX 30-35°

P.135

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH					
HMM-26.2	△	26.2	255	MT3	11.3	33.5	156					
-26.3	△	26.3										
-26.4	△	26.4										
-26.5	●	26.5										
-26.6	△	26.6										
-26.7	△	26.7										
-26.8	△	26.8										
-26.9	△	26.9										
-27.0	●	27.0										
-27.1	△	27.1										
-27.2	△	27.2	255	MT3	11.3	33.5	156					
-27.3	△	27.3										
-27.4	△	27.4										
-27.5	●	27.5										
-27.6	△	27.6						260	MT3	11.6	39	161
-27.7	△	27.7										
-27.8	△	27.8										
-27.9	△	27.9										
-28.0	●	28.0										
-28.1	△	28.1										
-28.2	△	28.2										
-28.3	△	28.3										
-28.4	△	28.4										
-28.5	●	28.5	260	MT3	11.6	39	161					
-28.6	△	28.6										
-28.7	△	28.7										
-28.8	△	28.8										
-28.9	△	28.9										
-29.0	●	29.0										
-29.1	△	29.1										
-29.2	△	29.2										
-29.3	△	29.3										
-29.4	△	29.4						260	MT3	11.6	39	161
-29.5	●	29.5										
-29.6	△	29.6										
-29.7	△	29.7										
-29.8	△	29.8										
-29.9	△	29.9										
-30.0	●	30.0										
-30.5	●	30.5	300	MT3	11.6	39	201					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH															
HMM-31.0	●	31.0	300	MT3	11.6	39	201															
-31.5	●	31.5																				
-32.0	●	32.0																				
-32.5	●	32.5	325	MT4	11.6	39	201															
-33.0	●	33.0																				
-33.5	●	33.5																				
-34.0	●	34.0	325	MT4	11.6	41	201															
-34.5	●	34.5																				
-35.0	●	35.0																				
-35.5	●	35.5						330	MT4	12.1	41	206										
-36.0	●	36.0																				
-36.5	●	36.5																				
-37.0	●	37.0																				
-37.5	●	37.5																				
-38.0	●	38.0	330	MT4	12.1	46	206															
-38.5	●	38.5																				
-39.0	●	39.0																				
-39.5	●	39.5																				
-40.0	●	40.0																				
-40.5	●	40.5						330	MT4	12.1	49	206										
-41.0	●	41.0																				
-41.5	●	41.5											335	MT4	12.1	49	211					
-42.0	●	42.0																				
-42.5	●	42.5																				
-43.0	●	43.0	335	MT4	12.6	49	211															
-43.5	●	43.5																				
-44.0	●	44.0																				
-44.5	●	44.5																				
-45.0	●	45.0																				
-45.5	●	45.5						340	MT4	12.6	51	216										
-46.0	●	46.0																				
-46.5	●	46.5																				
-47.0	●	47.0											350	MT4	13.5	51	226					
-47.5	●	47.5																				
-48.0	●	48.0																				
-48.5	●	48.5	350	MT4	13.5	56	226															
-49.0	●	49.0																				
-49.5	●	49.5																385	MT4	13.5	56	261
-50.0	●	50.0																				

★PL means chamfering length to φDC.

★MT size is determined by reamer dia : ~φ14:MT1, φ15~φ23 : MT2, φ24~φ32 : MT3, φ33~φ62 : MT4, φ63~ : MT5

CARBIDE FOR THROUGH HOLE