



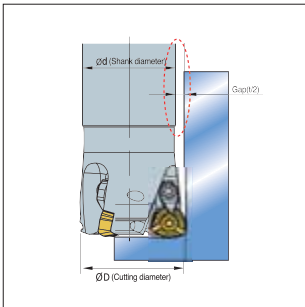
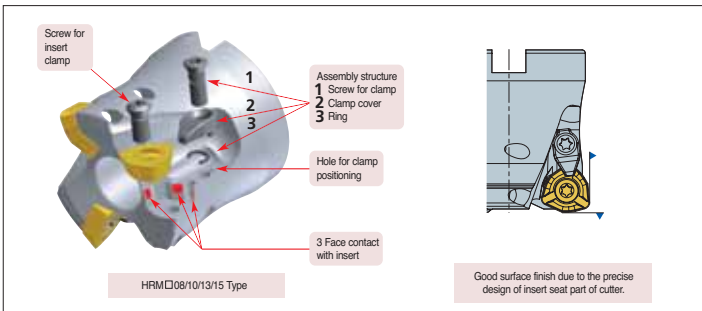
Technical Guide for HRM Tool - High Feed Milling System

Special Features

- Double clamp system guarantees powerful machining.
- Special cutting edge design provides high feed rate.
- Special chipbreaker design provides effective performance with low cutting load.
- HRM has insert sizes 08,10,13,15.
- Short to long length holders.



Clamping System



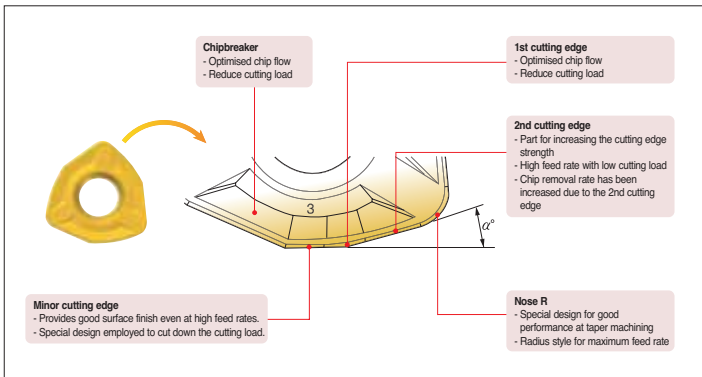
Interference Prevention System

Designation	∅d(mm)	∅D(mm)	t
HRMS0821R-2□20	20	21	1
HRMS1026R-2□25	25	26	1
HRMS1333R-2□32	32	33	1
HRMS1335R-2□32	32	35	3
HRMS1340R-3□32	32	40	8
HRMS1550R-3□42	42	50	8
HRMS1563R-4□42	42	63	21

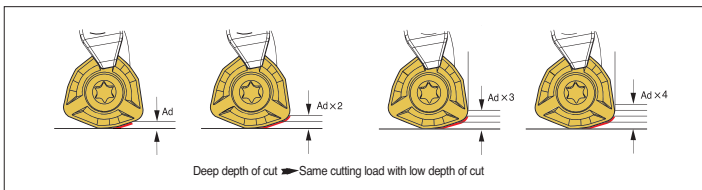
► Gap between cutting diameter and shank diameter prevents interference with work piece and with tool.



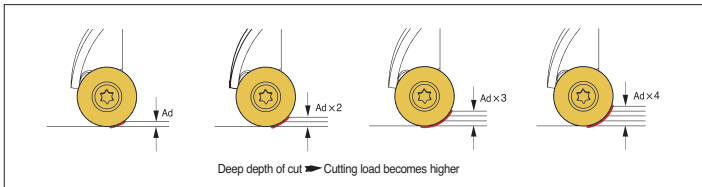
Special Features of Insert



■ HRM



■ Round insert

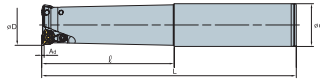




HRMS08/10



020-030



(mm)

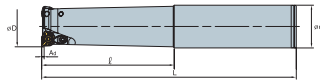
Designation	2007 £	ØD	L	Ød	ℓ	A _s	
HRMS 0820R-2S20	52.00	20	130	20	50	1.0	2
0820R-2M20	55.00	20	180	20	100	1.0	2
0820R-2L20	59.00	20	250	20	130	1.0	2
0821R-2S20	53.00	21	130	20	50	1.0	2
0821R-2M20	56.00	21	180	20	50	1.0	2
0821R-2L20	60.00	21	250	20	50	1.0	2
1025R-2S25	56.00	25	140	25	60	1.5	2
1025R-2M25	58.00	25	200	25	120	1.5	2
1025R-2L25	63.00	25	300	25	180	1.5	2
1026R-2S25	57.00	26	140	25	60	1.5	2
1026R-2M25	59.00	26	200	25	60	1.5	2
1026R-2L25	64.00	26	300	25	60	1.5	2
1030R-2S32	59.00	30	150	32	70	1.5	2
1030R-2M32	62.00	30	200	32	120	1.5	2
1030R-2L32	66.00	30	300	32	180	1.5	2

For inserts see page 95

HRMS13/15



032-063

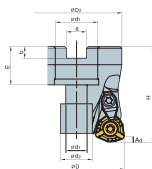
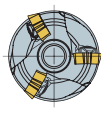


(mm)

Designation	2007 £	ØD	L	Ød	ℓ	A _s	
HRMS 1332R-2S32	62.00	32	150	32	70	2.0	2
1332R-2M32	65.00	32	200	32	120	2.0	2
1332R-2L32	67.00	32	300	32	180	2.0	2
1333R-2S32	62.00	33	150	32	70	2.0	2
1333R-2M32	65.00	33	200	32	70	2.0	2
1333R-2L32	75.00	33	300	32	70	2.0	2
1335R-2S32	63.00	35	150	32	50	2.0	2
1335R-2M32	66.00	35	200	32	50	2.0	2
1335R-2L32	76.00	35	300	32	50	2.0	2
1340R-3S32	65.00	40	150	32	50	2.0	3
1340R-3M32	69.00	40	250	32	50	2.0	3
1340R-3L32	76.00	40	300	32	50	2.0	3
1340R-3S42	69.00	40	150	42	60	2.0	3
1340R-3M42	99.00	40	250	42	130	2.0	3
1340R-3L42	109.00	40	300	42	180	2.0	3
1550R-3S42	93.00	50	150	42	50	2.5	3
1550R-3M42	109.00	50	250	42	50	2.5	3
1550R-3L42	115.00	50	300	42	50	2.5	3
1563R-4S42	120.00	63	150	42	50	2.5	4
1563R-4M42	135.00	63	250	42	50	2.5	4
1563R-4L42	145.00	63	300	42	50	2.5	4

For inserts see page 95

HRMCM13/15



(mm)

Designation	2007 £	ØD	ØD ₂	Ød	H	a	b	Ød ₁	Ød ₂	E	A _a		Bolt for cutter
HRMCM 13050R-3	85.00	50	47	22	50	10.4	6.3	11	16.4	20	2.0	3	M10
13050R-4	105.00	50	47	22	50	10.4	6.3	11	16.4	20	2.0	4	M10
13063R-4	111.00	63	60	22	50	10.4	6.3	11	17	20	2.0	4	M10
13080R-5	145.00	80	76	27	70	12.4	7.0	13	20	22	2.0	5	M16(M12)
15063R-3	95.00	63	60	22	50	10.4	6.3	11	17	20	2.5	3	M10
15080R-4	125.00	80	76	27	70	12.4	7.0	13	20	22	2.5	4	M16(M12)
15100R-5	152.00	100	96	32	70	14.4	8.0	18	26	25	2.5	5	M16
15100R-6	175.00	100	96	32	70	14.4	8.0	18	26	25	2.5	6	M16
15125R-6	185.00	125	98	40	83	16.4	9.0	-	56	35	2.5	6	M20
15160R-7	205.00	160	100	40	83	16.4	9.0	-	72	35	2.5	7	M24(M20)

For inserts see page 95

Specs	Parts	Insert	Screw	Clamp	Screw for clamp	C-ring	Wrench	
							A	B
HRMS08		WDKT080316ZDSR-MH	FTNA0306	-	-	-	TW09P	A
HRMS10		WDKT10T320ZDSR-MH	FTNA0408	CH+H.5R1	CTX03510	CR03	TW15S	B

Specs	Parts	Insert	Screw	Clamp	Screw for clamp	C-ring	Wrench
HRM 13	Ø32, 33, 35	WDKT130620ZDSR-MH	FTGA0510-P	CH+H.5R1	CTX04513H	CR03	TW20
	Ø40	WDKT130620ZDSR-MH	FTGA0512-P	CH+H.5R1	CTX04513H	CR03	TW20
	Ø50, 63, 80	WDKT130620ZDSR-MH	FTGA0513-P	CH+H.5R1	CTX04513H	CR03	TW20
HRM 15	Ø63, 80, 100	WDKT150625ZDSR-MH	FTGA0513-P	CH+H.5R1	CTX0515	CR04	TW20
	Ø125, 160						

For full insert range please see page 95

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MILLING TOOLS

INDEXABLE MILLING TOOLS HRM Tool