

HAM-Catalogue Milling tools 2010/11

Change in form and content compared to 2007/2008

The following articles are no longer included in new catalogue:

40-5000 + 40-5020, previous catalogue page 11
HAM 420 (40-1120 + 40-1121), previous catalogue page 16
40-5040, previous catalogue page 22
40-5331, previous catalogue page 34
40-5440, previous catalogue page 43
40-5661, previous catalogue page 52
40-5840, previous catalogue page 53
40-5960, previous catalogue page 61
40-6000, previous catalogue page 61
40-5341, previous catalogue page 64
40-5345, previous catalogue page 64
40-5349, previous catalogue page 64
40-5353, previous catalogue page 64
40-5357, previous catalogue page 64

New articles in catalogue 2010/11

Category end mill

40-1571, page 30 (not indicated as new article because in HAM campaign since 2008!!)

Category roughing end mill

40-5351, page 34
40-1691, page 35

Category toric end mill

40-6130, page 50 (same as type 40-6120, however, neck cylindrical)

Category ball nose end mill

40-6090, page 62 (same as type 40-6080, however, neck cylindrical)

Category Diamond milling cutter

40-7640 (PCD-HPC-shell-type milling cutter), page 85

Substantial changes (e.g. additional measurements) in new catalogues 2010/11

HAM 407/408 (40-5151), page 24

d1: 3,0 + 4,0 + 5,0 mm with neck additionally in program

HAM 486 (40-5400 + 40-5420), page 44

d1-Toleranz instead (e8) => (0/-0,01)

Change of corner radiuses for following measurements

40-5400(20)		40-5400(20)	
OLD		NEW	
40-5400-4/0,4	→	40-5400-4/0,5	
40-5400-6/0,3	→	40-5400-6/0,5	
40-5400-8/0,3	→	40-5400-8/0,5	
40-5400-10/0,3	→	40-5400-10/0,5	
40-5400-10/1,5	→	40-5400-10/1	
40-5400-12/1,5	→	40-5400-12/1	

40-5460, page 45

Change of d1-tolerance from (e8) to (0/-0,01)

Change of corner radiuses for following/additional measurements

40-5460		40-5460	
OLD		NEW	
40-5460-0,4/0,05-2	→	40-5460-0,4/0,1-2	
40-5460-0,4/0,05-3	→	40-5460-0,4/0,1-3	
40-5460-0,4/0,05-4	→	40-5460-0,4/0,1-4	
40-5460-0,5/0,05-3	→	40-5460-0,5/0,1-3	
40-5460-0,5/0,05-5	→	40-5460-0,5/0,1-5	
40-5460-0,5/0,05-8	→	40-5460-0,5/0,1-8	
40-5460-0,6/0,06-3	→	40-5460-0,6/0,1-3	
40-5460-0,6/0,06-5	→	40-5460-0,6/0,1-5	
40-5460-0,6/0,06-8	→	40-5460-0,6/0,1-8	
40-5460-0,8/0,08-4	→	40-5460-0,8/0,2-4	
40-5460-0,8/0,08-6	→	40-5460-0,8/0,2-6	
40-5460-0,8/0,08-8	→	40-5460-0,8/0,2-8	
40-5460-0,8/0,08-10	→	40-5460-0,8/0,2-10	
40-5460-1,0/0,1-6	→	40-5460-1,0/0,2-6	
40-5460-1,0/0,1-10	→	40-5460-1,0/0,2-10	
40-5460-1,0/0,1-14	→	40-5460-1,0/0,2-14	
40-5460-1,0/0,1-18	→	40-5460-1,0/0,2-18	
40-5460-1,0/0,1-24	→	40-5460-1,0/0,2-24	
40-5460-1,2/0,12-6	→	40-5460-1,2/0,2-6	
40-5460-1,2/0,12-10	→	40-5460-1,2/0,2-10	
40-5460-1,2/0,12-14	→	40-5460-1,2/0,2-14	
40-5460-1,2/0,12-18	→	40-5460-1,2/0,2-18	
40-5460-1,2/0,12-24	→	40-5460-1,2/0,2-24	
40-5460-1,5/0,15-6	→	40-5460-1,5/0,2-6	
40-5460-1,5/0,15-10	→	40-5460-1,5/0,2-10	
40-5460-1,5/0,15-14	→	40-5460-1,5/0,2-14	
40-5460-1,5/0,15-18	→	40-5460-1,5/0,2-18	
40-5460-1,5/0,15-24	→	40-5460-1,5/0,2-24	

40-5460		40-5460
OLD		NEW
until now not in programme	➔	40-5460-2,0/0,5-6
until now not in programme	➔	40-5460-2,0/0,5-10
until now not in programme	➔	40-5460-2,0/0,5-14
until now not in programme	➔	40-5460-2,0/0,5-18
until now not in programme	➔	40-5460-2,0/0,5-24
until now not in programme	➔	40-5460-2,0/0,5-30
	➔	
40-5460-3,0/0,3-6	➔	40-5460-3,0/0,2-6
40-5460-3,0/0,3-10	➔	40-5460-3,0/0,2-10
40-5460-3,0/0,3-14	➔	40-5460-3,0/0,2-14
40-5460-3,0/0,3-18	➔	40-5460-3,0/0,2-18
40-5460-3,0/0,3-24	➔	40-5460-3,0/0,2-24
40-5460-3,0/0,3-30	➔	40-5460-3,0/0,2-30
until now not in programme	➔	40-5460-3,0/0,5-6
until now not in programme	➔	40-5460-3,0/0,5-10
until now not in programme	➔	40-5460-3,0/0,5-14
until now not in programme	➔	40-5460-3,0/0,5-18
until now not in programme	➔	40-5460-3,0/0,5-24
until now not in programme	➔	40-5460-3,0/0,5-30
40-5460-4,0/0,4-10	➔	40-5460-4,0/0,5-10
40-5460-4,0/0,4-14	➔	40-5460-4,0/0,5-14
40-5460-4,0/0,4-18	➔	40-5460-4,0/0,5-18
40-5460-4,0/0,4-24	➔	40-5460-4,0/0,5-24
40-5460-4,0/0,4-30	➔	40-5460-4,0/0,5-30
	➔	
40-5460-6,0/0,6-12	➔	40-5460-6,0/0,5-12
40-5460-6,0/0,6-20	➔	40-5460-6,0/0,5-20
40-5460-6,0/0,6-30	➔	40-5460-6,0/0,5-30
40-5460-6,0/0,6-40	➔	40-5460-6,0/0,5-40
40-5460-6,0/0,6-50	➔	40-5460-6,0/0,5-50

Change of corner radiuses for following/additional measurements

40-5480		40-5480
OLD		NEW
40-5480-0,4/0,05-2	➔	40-5480-0,4/0,1-2
40-5480-0,4/0,05-3	➔	40-5480-0,4/0,1-3
40-5480-0,4/0,05-4	➔	40-5480-0,4/0,1-4
40-5480-0,5/0,05-3	➔	40-5480-0,5/0,1-3
40-5480-0,5/0,05-5	➔	40-5480-0,5/0,1-5
40-5480-0,5/0,05-8	➔	40-5480-0,5/0,1-8
40-5480-0,6/0,06-3	➔	40-5480-0,6/0,1-3
40-5480-0,6/0,06-5	➔	40-5480-0,6/0,1-5
40-5480-0,6/0,06-8	➔	40-5480-0,6/0,1-8
40-5480-0,8/0,08-4	➔	40-5480-0,8/0,2-4
40-5480-0,8/0,08-6	➔	40-5480-0,8/0,2-6
40-5480-0,8/0,08-8	➔	40-5480-0,8/0,2-8
40-5480-0,8/0,08-10	➔	40-5480-0,8/0,2-10
40-5480-1,0/0,1-6	➔	40-5480-1,0/0,2-6
40-5480-1,0/0,1-10	➔	40-5480-1,0/0,2-10
40-5480-1,0/0,1-14	➔	40-5480-1,0/0,2-14
40-5480-1,0/0,1-18	➔	40-5480-1,0/0,2-18
40-5480-1,0/0,1-24	➔	40-5480-1,0/0,2-24
40-5480-1,2/0,12-6	➔	40-5480-1,2/0,2-6
40-5480-1,2/0,12-10	➔	40-5480-1,2/0,2-10
40-5480-1,2/0,12-14	➔	40-5480-1,2/0,2-14
40-5480-1,2/0,12-18	➔	40-5480-1,2/0,2-18
40-5480-1,2/0,12-24	➔	40-5480-1,2/0,2-24
40-5480-1,5/0,15-6	➔	40-5480-1,5/0,2-6
40-5480-1,5/0,15-10	➔	40-5480-1,5/0,2-10
40-5480-1,5/0,15-14	➔	40-5480-1,5/0,2-14
40-5480-1,5/0,15-18	➔	40-5480-1,5/0,2-18
40-5480-1,5/0,15-24	➔	40-5480-1,5/0,2-24
until now not in programme	➔	40-5480-2,0/0,5-6
until now not in programme	➔	40-5480-2,0/0,5-10
until now not in programme	➔	40-5480-2,0/0,5-14
until now not in programme	➔	40-5480-2,0/0,5-18
until now not in programme	➔	40-5480-2,0/0,5-24
until now not in programme	➔	40-5480-2,0/0,5-30

40-5480		40-5480
OLD		NEW
40-5480-3,0/0,3-6	→	40-5480-3,0/0,2-6
40-5480-3,0/0,3-10	→	40-5480-3,0/0,2-10
40-5480-3,0/0,3-14	→	40-5480-3,0/0,2-14
40-5480-3,0/0,3-18	→	40-5480-3,0/0,2-18
40-5480-3,0/0,3-24	→	40-5480-3,0/0,2-24
40-5480-3,0/0,3-30	→	40-5480-3,0/0,2-30
until now not in programme	→	40-5480-3,0/0,5-6
until now not in programme	→	40-5480-3,0/0,5-10
until now not in programme	→	40-5480-3,0/0,5-14
until now not in programme	→	40-5480-3,0/0,5-18
until now not in programme	→	40-5480-3,0/0,5-24
until now not in programme	→	40-5480-3,0/0,5-30
40-5480-4,0/0,4-10	→	40-5480-4,0/0,5-10
40-5480-4,0/0,4-14	→	40-5480-4,0/0,5-14
40-5480-4,0/0,4-18	→	40-5480-4,0/0,5-18
40-5480-4,0/0,4-24	→	40-5480-4,0/0,5-24
40-5480-4,0/0,4-30	→	40-5480-4,0/0,5-30
	→	
40-5480-6,0/0,6-12	→	40-5480-6,0/0,5-12
40-5480-6,0/0,6-20	→	40-5480-6,0/0,5-20
40-5480-6,0/0,6-30	→	40-5480-6,0/0,5-30
40-5480-6,0/0,6-40	→	40-5480-6,0/0,5-40
40-5480-6,0/0,6-50	→	40-5480-6,0/0,5-50

40-6120, page 47

Change of conical neck from 1° to 0,9°
Revision of effective machining depth

Change of corner radii for following/additional measurements

40-6120		40-6120
OLD		NEW
40-6120-0,4/0,05-2	→	40-6120-0,4/0,1-2
40-6120-0,4/0,05-3	→	40-6120-0,4/0,1-3
40-6120-0,4/0,05-4	→	40-6120-0,4/0,1-4
40-6120-0,5/0,05-2	→	40-6120-0,5/0,1-2
40-6120-0,5/0,05-4	→	40-6120-0,5/0,1-4
40-6120-0,5/0,05-6	→	40-6120-0,5/0,1-6
40-6120-0,5/0,05-8	→	40-6120-0,5/0,1-8
40-6120-0,6/0,06-2	→	40-6120-0,6/0,1-2
40-6120-0,6/0,06-4	→	40-6120-0,6/0,1-4
40-6120-0,6/0,06-6	→	40-6120-0,6/0,1-6
40-6120-0,6/0,06-8	→	40-6120-0,6/0,1-8
40-6120-0,6/0,06-10	→	40-6120-0,6/0,1-10

40-6120-0,7/0,07-2	➔	40-6120-0,7/0,1-2
40-6120-0,7/0,07-4	➔	40-6120-0,7/0,1-4
40-6120-0,7/0,07-6	➔	40-6120-0,7/0,1-6
40-6120-0,7/0,07-8	➔	40-6120-0,7/0,1-8
40-6120-0,7/0,07-10	➔	40-6120-0,7/0,1-10
40-6120-0,8/0,08-4	➔	40-6120-0,8/0,2-4
40-6120-0,8/0,08-6	➔	40-6120-0,8/0,2-6
40-6120-0,8/0,08-8	➔	40-6120-0,8/0,2-8
40-6120-0,8/0,08-10	➔	40-6120-0,8/0,2-10
40-6120-0,8/0,08-12	➔	40-6120-0,8/0,2-12
40-6120-0,9/0,09-6	➔	40-6120-0,9/0,2-6
40-6120-0,9/0,09-8	➔	40-6120-0,9/0,2-8
40-6120-0,9/0,09-10	➔	40-6120-0,9/0,2-10
40-6120-0,9/0,09-15	➔	40-6120-0,9/0,2-15
40-6120-1,0/0,1-6	➔	40-6120-1,0/0,2-6
40-6120-1,0/0,1-8	➔	40-6120-1,0/0,2-8
40-6120-1,0/0,1-10	➔	40-6120-1,0/0,2-10
40-6120-1,0/0,1-12	➔	40-6120-1,0/0,2-12
40-6120-1,0/0,1-14	➔	40-6120-1,0/0,2-14
40-6120-1,0/0,1-16	➔	40-6120-1,0/0,2-16
40-6120		40-6120
OLD		NEW
40-6120-1,2/0,12-6	➔	40-6120-1,2/0,2-6
40-6120-1,2/0,12-8	➔	40-6120-1,2/0,2-8
40-6120-1,2/0,12-10	➔	40-6120-1,2/0,2-10
40-6120-1,2/0,12-12	➔	40-6120-1,2/0,2-12
40-6120-1,4/0,14-6	➔	40-6120-1,4/0,2-6
40-6120-1,4/0,14-8	➔	40-6120-1,4/0,2-8
40-6120-1,4/0,14-10	➔	40-6120-1,4/0,2-10
40-6120-1,4/0,14-12	➔	40-6120-1,4/0,2-12
40-6120-1,4/0,14-14	➔	40-6120-1,4/0,2-14
40-6120-1,4/0,14-16	➔	40-6120-1,4/0,2-16
40-6120-1,5/0,15-6	➔	40-6120-1,5/0,2-6
40-6120-1,5/0,15-8	➔	40-6120-1,5/0,2-8
40-6120-1,5/0,15-10	➔	40-6120-1,5/0,2-10
40-6120-1,5/0,15-12	➔	40-6120-1,5/0,2-12
40-6120-1,5/0,15-14	➔	40-6120-1,5/0,2-14
40-6120-1,5/0,15-16	➔	40-6120-1,5/0,2-16
40-6120-1,5/0,15-18	➔	40-6120-1,5/0,2-18
40-6120-1,5/0,15-20	➔	40-6120-1,5/0,2-20
40-6120-1,6/0,16-6	➔	40-6120-1,6/0,2-6
40-6120-1,6/0,16-8	➔	40-6120-1,6/0,2-8
40-6120-1,6/0,16-10	➔	40-6120-1,6/0,2-10
40-6120-1,6/0,16-12	➔	40-6120-1,6/0,2-12

40-6120-1,6/0,16-14	→	40-6120-1,6/0,2-14
40-6120-1,6/0,16-16	→	40-6120-1,6/0,2-16
40-6120-1,6/0,16-18	→	40-6120-1,6/0,2-18
40-6120-1,6/0,16-20	→	40-6120-1,6/0,2-20
40-6120-1,8/0,18-6	→	40-6120-1,8/0,2-6
40-6120-1,8/0,18-8	→	40-6120-1,8/0,2-8
40-6120-1,8/0,18-10	→	40-6120-1,8/0,2-10
40-6120-1,8/0,18-12	→	40-6120-1,8/0,2-12
40-6120-1,8/0,18-14	→	40-6120-1,8/0,2-14
40-6120-1,8/0,18-16	→	40-6120-1,8/0,2-16
40-6120-1,8/0,18-18	→	40-6120-1,8/0,2-18
40-6120-1,8/0,18-20	→	40-6120-1,8/0,2-20
until now not in programme	→	40-6120-2,0/0,5-6
until now not in programme	→	40-6120-2,0/0,5-8
until now not in programme	→	40-6120-2,0/0,5-10
until now not in programme	→	40-6120-2,0/0,5-12
until now not in programme	→	40-6120-2,0/0,5-14
until now not in programme	→	40-6120-2,0/0,5-16
40-6120		40-6120
OLD		NEW
until now not in programme	→	40-6120-2,0/0,5-18
until now not in programme	→	40-6120-2,0/0,5-20
40-6120-3,0/0,3-8	→	40-6120-3,0/0,2-8
40-6120-3,0/0,3-10	→	40-6120-3,0/0,2-10
40-6120-3,0/0,3-12	→	40-6120-3,0/0,2-12
40-6120-3,0/0,3-14	→	40-6120-3,0/0,2-14
40-6120-3,0/0,3-16	→	40-6120-3,0/0,2-16
40-6120-3,0/0,3-18	→	40-6120-3,0/0,2-18
40-6120-3,0/0,3-20	→	40-6120-3,0/0,2-20
40-6120-3,0/0,3-25	→	40-6120-3,0/0,2-25
40-6120-3,0/0,3-30	→	40-6120-3,0/0,2-30
40-6120-3,0/0,3-35	→	40-6120-3,0/0,2-35
40-6120-3,0/0,3-40	→	40-6120-3,0/0,2-40
until now not in programme	→	40-6120-3,0/0,5-8
until now not in programme	→	40-6120-3,0/0,5-10
until now not in programme	→	40-6120-3,0/0,5-12
until now not in programme	→	40-6120-3,0/0,5-14
until now not in programme	→	40-6120-3,0/0,5-16
until now not in programme	→	40-6120-3,0/0,5-18
until now not in programme	→	40-6120-3,0/0,5-20
until now not in programme	→	40-6120-3,0/0,5-25
until now not in programme	→	40-6120-3,0/0,5-30
until now not in programme	→	40-6120-3,0/0,5-35
until now not in programme	→	40-6120-3,0/0,5-40
40-6120-4,0/0,4-12	→	40-6120-4,0/0,5-12
40-6120-4,0/0,4-16	→	40-6120-4,0/0,5-16

40-6120-4,0/0,4-20	→	40-6120-4,0/0,5-20
40-6120-4,0/0,4-25	→	40-6120-4,0/0,5-25
40-6120-4,0/0,4-30	→	40-6120-4,0/0,5-30
40-6120-4,0/0,4-35	→	40-6120-4,0/0,5-35
40-6120-4,0/0,4-40	→	40-6120-4,0/0,5-40
40-6120-4,0/0,4-45	→	40-6120-4,0/0,5-45
40-6120-4,0/0,4-50	→	40-6120-4,0/0,5-50
until now not in programme	→	40-6120-6,0/0,5-10
until now not in programme	→	40-6120-6,0/0,5-20
until now not in programme	→	40-6120-6,0/0,5-30
until now not in programme	→	40-6120-6,0/0,5-40
until now not in programme	→	40-6120-6,0/0,5-50

HAM 418/419 (40-5520)/(40-5560), page 56

d1-tolerance instead (e8) => (0/-0,01)

Price changes

2% price increase (larger production complexity due to smaller d1-tolerance (see above))

Change of corner radii for following measurements

40-5520		40-5520
OLD		NEW
40-5520-3/0,3-14-3	→	40-5520-3/0,5-14-3
40-5520-3/0,3-14-4	→	40-5520-3/0,5-14-4
40-5520-4/0,4-16-4	→	40-5520-4/0,5-16-4

No longer included in programme

40-5560		40-5560
OLD		New
40-5560-3/0,3-32-3	→	
40-5560-3/0,3-32-4	→	no longer included in programme
40-5560-4/0,4-36-4	→	no longer included in programme

40-5860, page 58

Change of d1-tolerance from (f8) to (0/-0,01)

40-6080, page 60

Change of conical neck from 1° to 0,9°
Revision of effective machining depth

HAM 466 (40-1921), page 73

∅ 16 + 20 additionally in program

HAM 465 (40-2041), page 76

∅ 2,8 + 3,8 + 4,8 additionally in program

Diamond end mill (substantial changes), as from page 78

Price changes:

Price reduction of 15%

Diamond Milling Cutter

HAM 769 (40-7690), page 82

d1= 200mm: adaptor diameter d2 instead 40mm => 60mm

HAM 775 (40-7750), page 84

d1= 200mm: adaptor diameter d2 instead 40mm => 60mm

HAM 777 (40-7770), page 84

d1= 200mm: adaptor diameter d2 instead 40mm => 60mm