

Rocket Trajectory Nomograms

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Model rockets, A-C

Model rockets D-E

Mid Power, F-G

Small High Power, H-I

2inch High Power, I-J

3inch High Power, I-J

4inch High Power, J-K

6inch High Power, K-L

7.5inch High Power

Large rockets

A-C

D-E

F-G

H-I

2", I-J

3", I-J

4", J-K

6", K-L

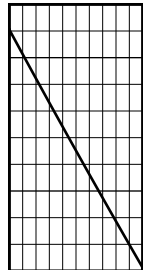
7.5"

X

Maurer
BC-80_SB

$I_{tot} = 73.5 \text{ Ns}$
 $F_{avg} = 28.2 \text{ N}$
 $t_{burn} = 2.60 \text{ s}$
 $d = 38 \text{ mm}$

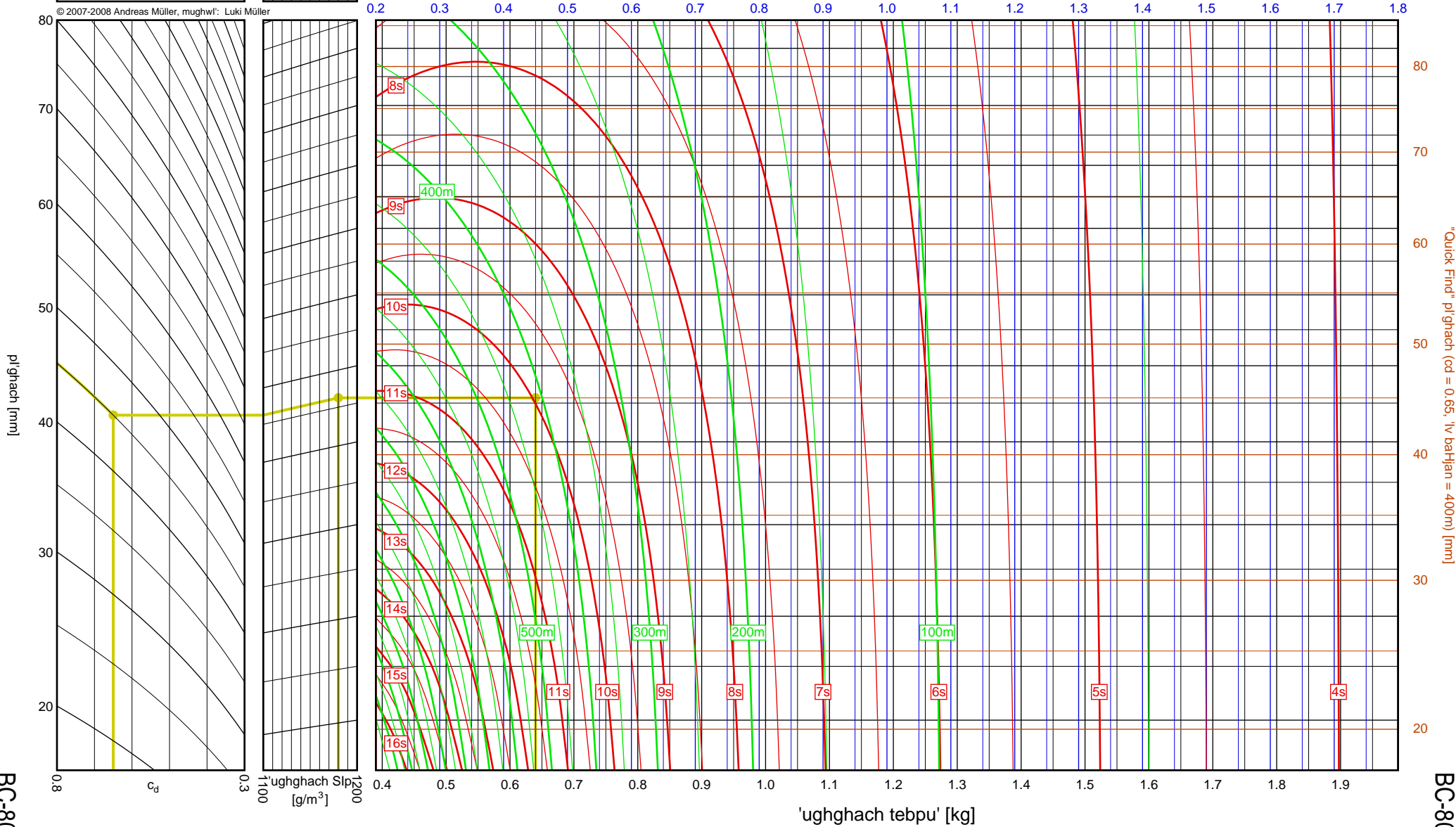
Data source:
<http://www.raketenmodellbau.org>



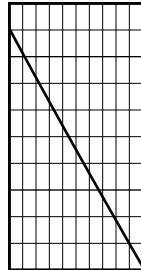
wa'Dich: pl'ghach yltthap Don thegh nogh raDSIpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don thegh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenwl'anDaq t'heghDoqmey yllaD, 'Iv t'heghSuDmey yllaD

much: pl'ghach = 45mm, raDSIp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 0.640kg
 QeyHa'moHghach: poH jenwl'Daq: 10.0s, 'Iv pl'Hlu': 410m

'ughghach tebHa'pu' [kg]



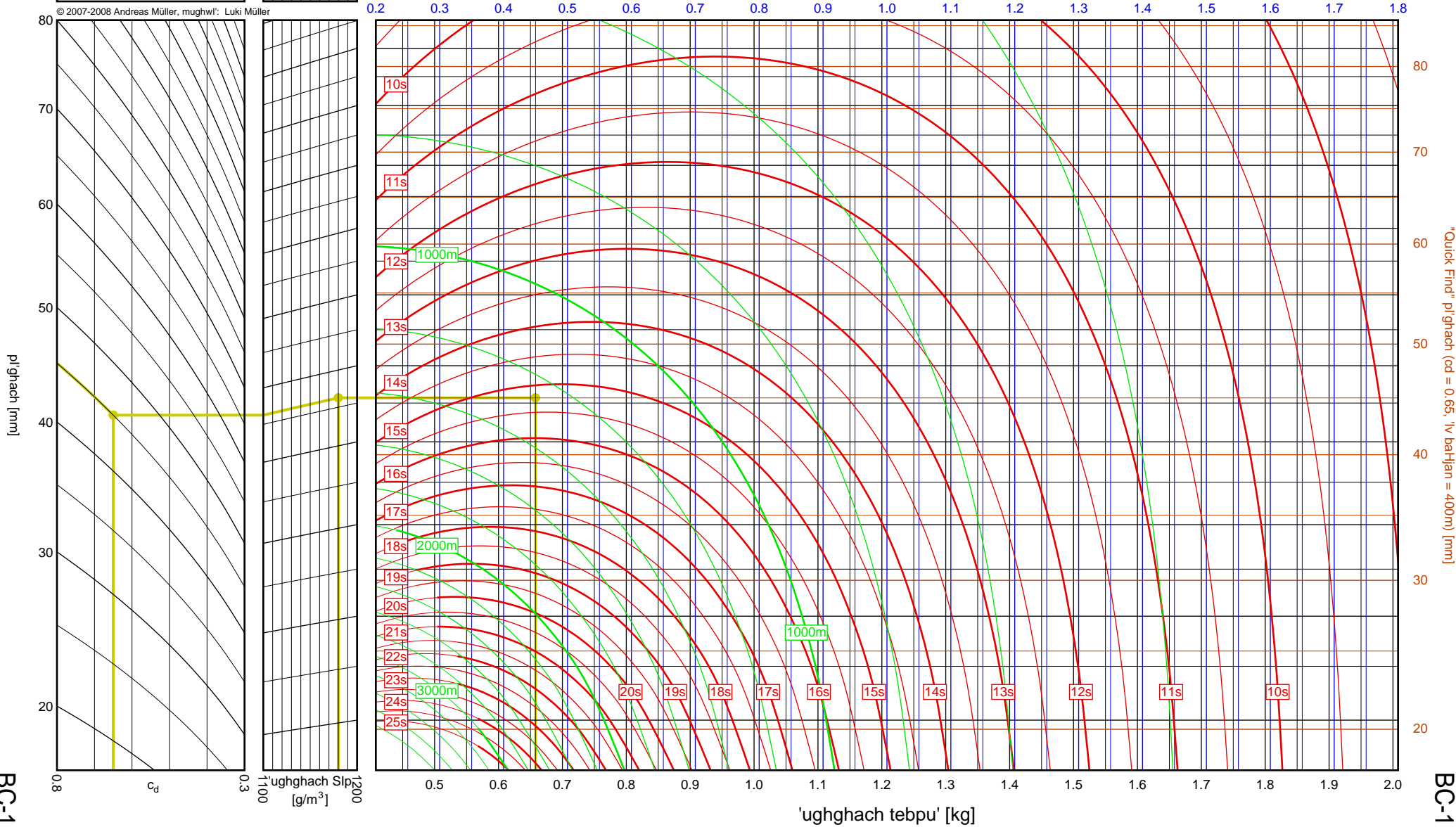
Maurer	
BC-125"4	
I_{tot}	= 174.4 Ns
F_{avg}	= 40.2 N
t_{burn}	= 4.34 s
d	= 38 mm
Data source: http://www.raketenmodellbau.org	



wa'Dich: pl'ghach yltthap Don thegh nogh raDSIpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don thegh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenwl'anDaq ttheghDoqmey yllaD, 'lv ttheghSuDmey yllaD

much: pl'ghach = 45mm, raDSIp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 0.658kg
QeyHa'moHghach: poH jenwl'Daq: 15.2s, 'lv pl'Hlu': 1261m

'ughghach tebHa'pu' [kg]



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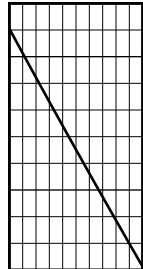
BC-125"4

BC-125"4

Maurer
BC-125"6

$I_{tot} = 177.9 \text{ Ns}$
 $F_{avg} = 29.8 \text{ N}$
 $t_{burn} = 5.97 \text{ s}$
 $d = 38 \text{ mm}$

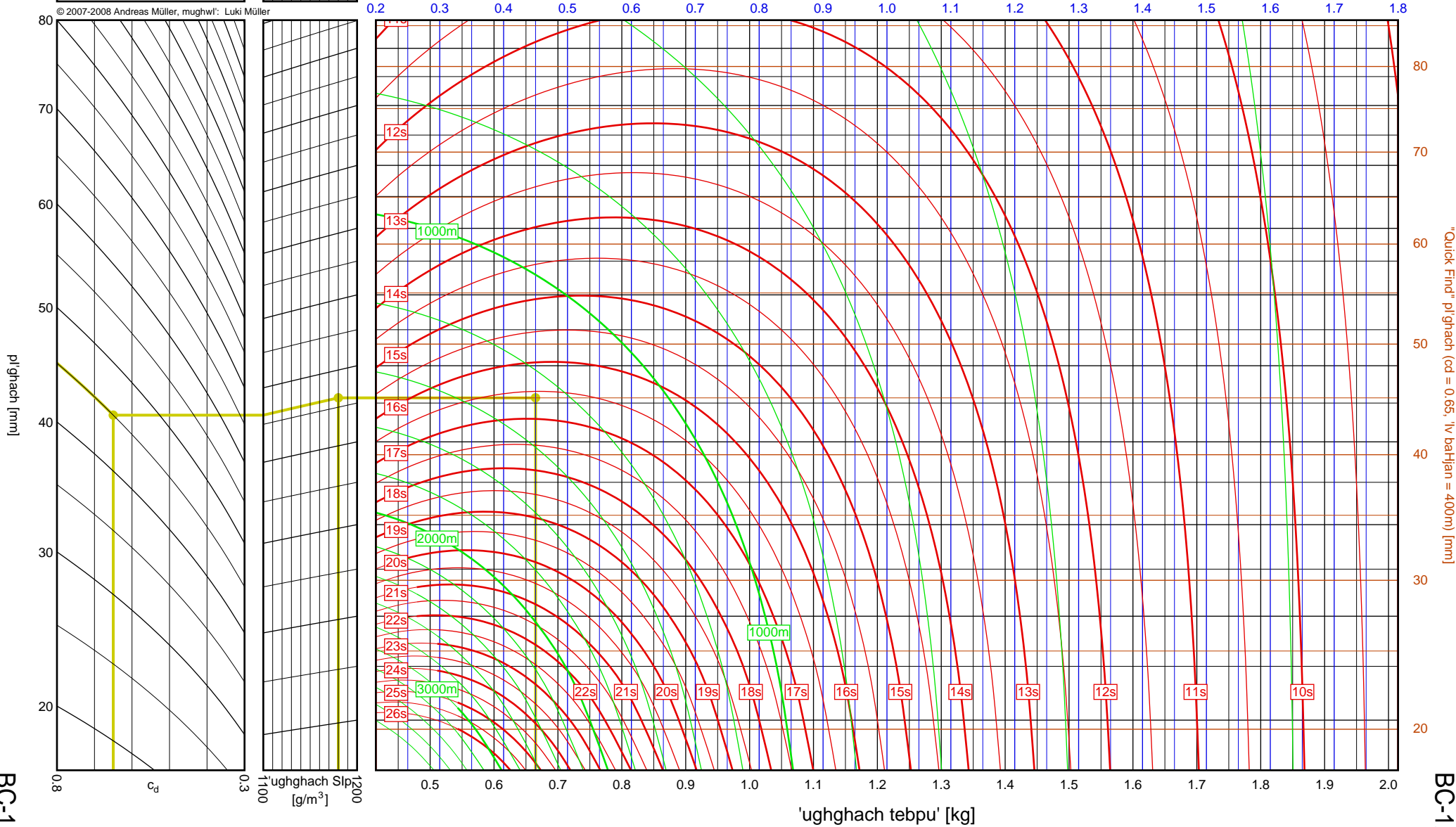
Data source:
<http://www.raketenmodellbau.org>



wa'Dich: pl'ghach yltthap Don tthehgh nogh raDSlpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don tthehgh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenwl'anDaq tthehghDoqmey yllaD, 'Iv tthehghSuDmey yllaD

much: pl'ghach = 45mm, raDSlp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 0.665kg
 QeyHa'moHghach: poH jenwl'Daq: 16.6s, 'Iv pl'Hlu': 1269m

'ughghach tebHa'pu' [kg]

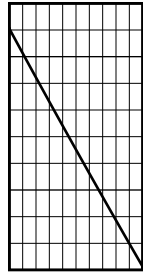


"Quick Find" pl'ghach (cd = 0.65, 'Iv baHJan = 400m) [mm]

BC-125"6

BC-125"6

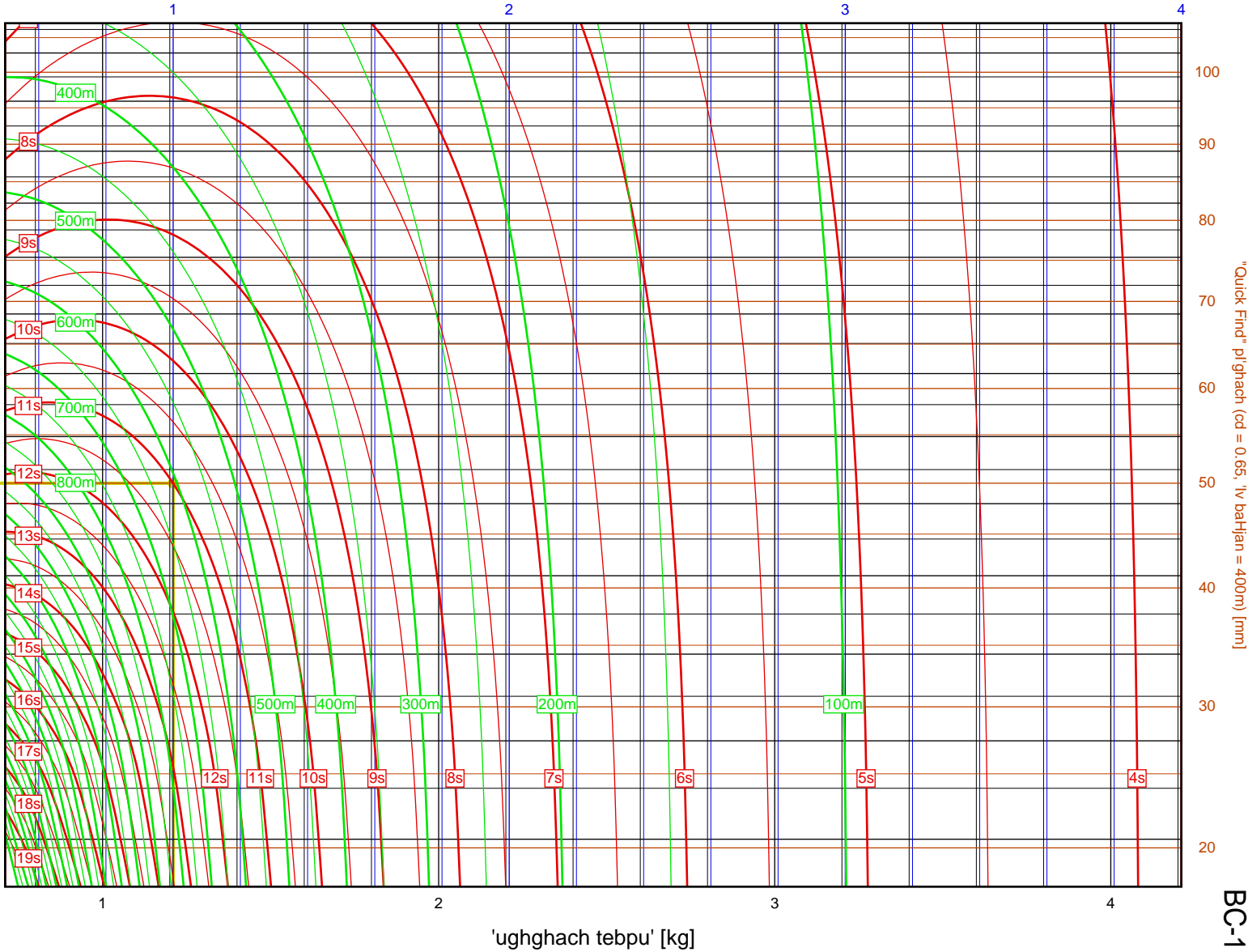
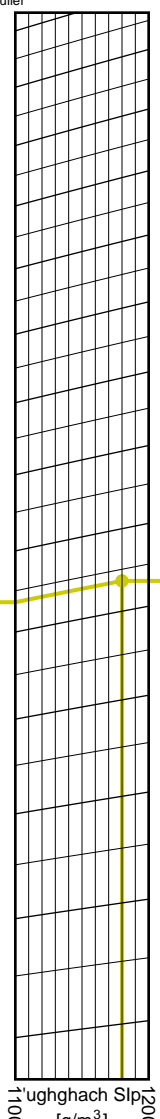
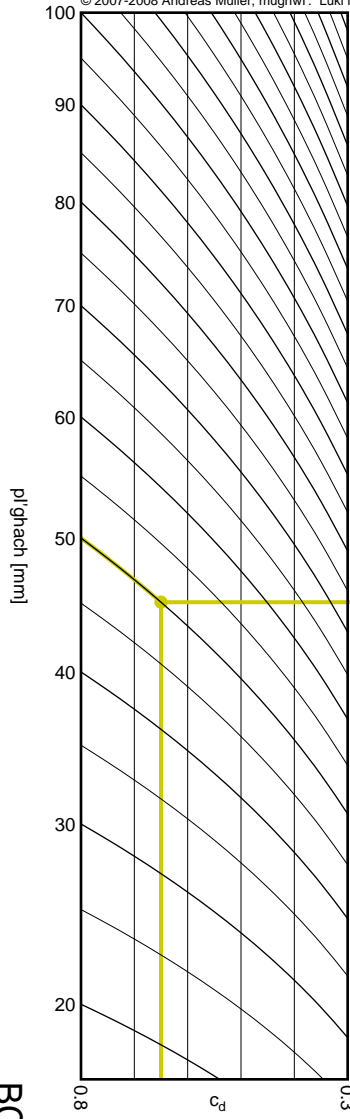
Maurer	
BC-125"1	
I_{tot}	= 157.8 Ns
F_{avg}	= 143.3 N
t_{burn}	= 1.10 s
d	= 38 mm
Data source: http://www.raketenmodellbau.org	



wa'Dich: pl'ghach yltthap Don thegh nogh raDSlpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don thegh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenw'lanDaq ttheghDoqmey yllaD, 'lv ttheghSuDmey yllaD

much: pl'ghach = 50mm, raDSlp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 1.210kg
 QeyHa'moHghach: poH jenw'laq: 11.0s, 'lv plHlu': 607m

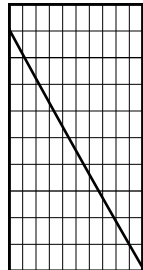
'ughghach tebHa'pu' [kg]



BC-125"1

BC-125"1

Maurer	
BC-125_Alu	
I_{tot}	= 161.2 Ns
F_{avg}	= 95.8 N
t_{burn}	= 1.68 s
d	= 38 mm
Data source: http://www.raketenmodellbau.org	

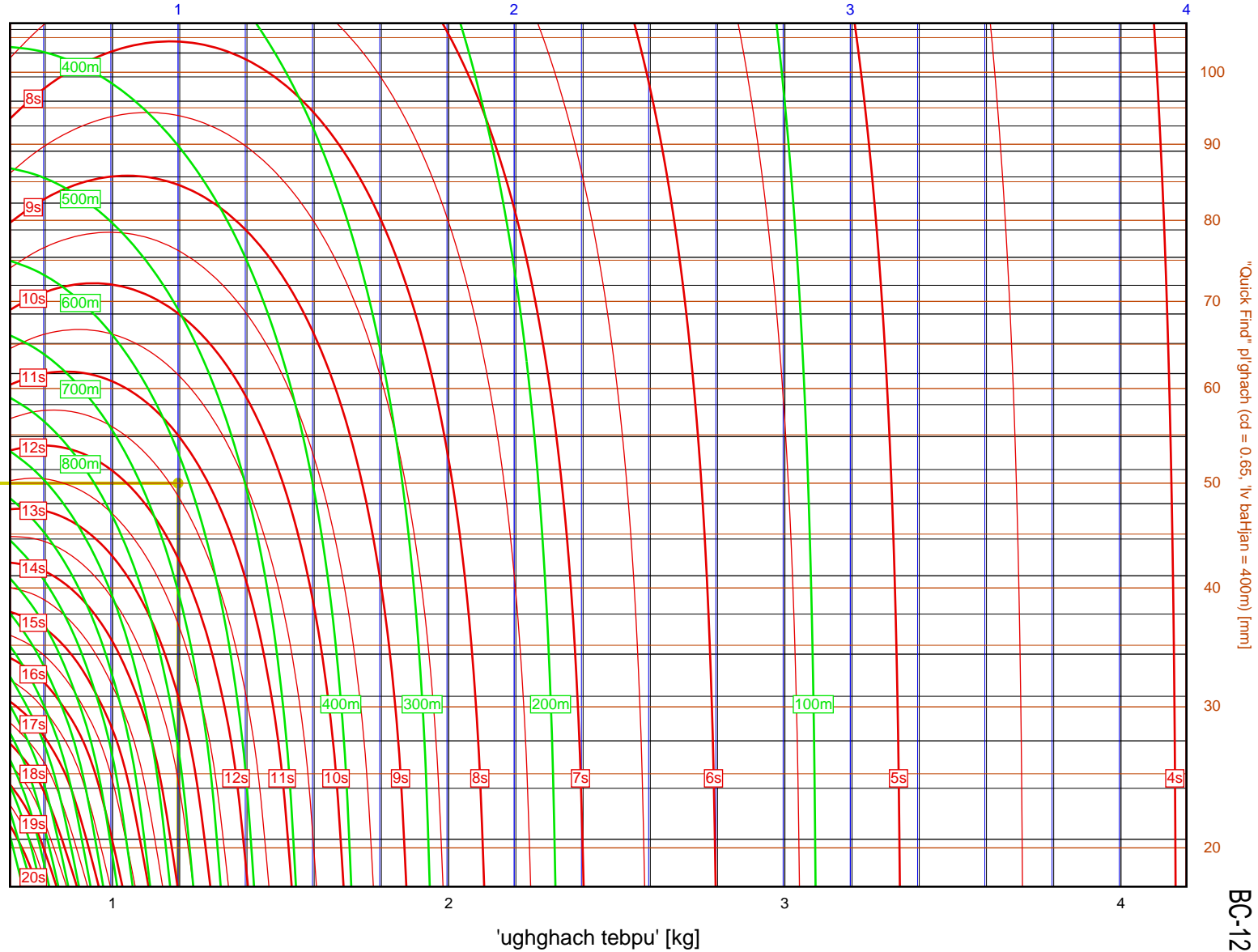
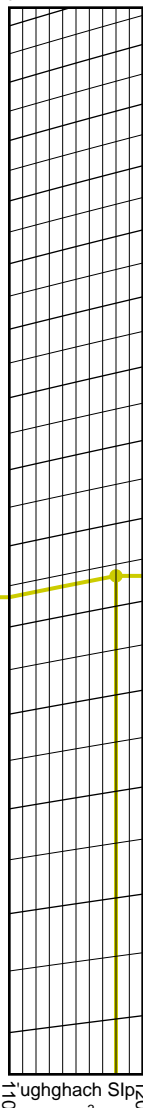
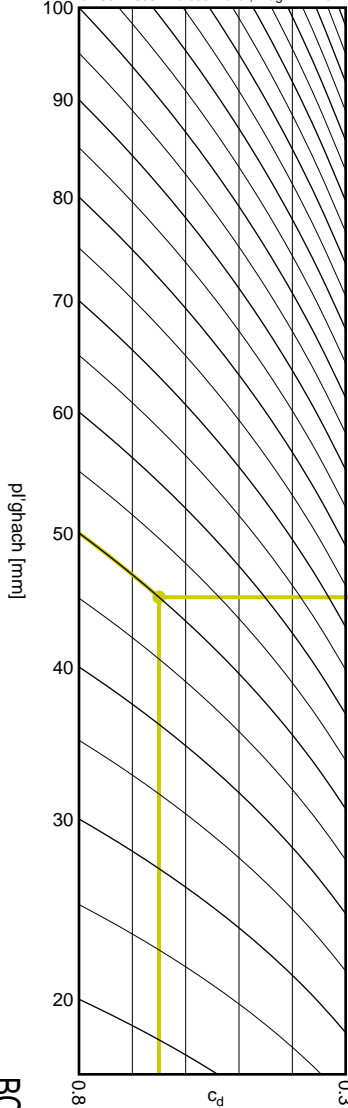


wa'Dich: pl'ghach yltthap Don tthehgh nogh raDSlpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don tthehgh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenwl'lanDaq tthehghDoqmey yllaD, 'lv tthehghSuDmey yllaD

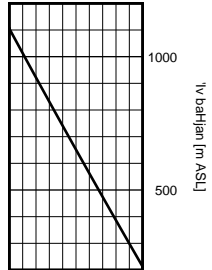
much: pl'ghach = 50mm, raDSlp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 1.195kg
 QeyHa'moHghach: poH jenwl'Daq: 11.4s, 'lv pl'Hlu': 623m

'ughghach tebHa'pu' [kg]

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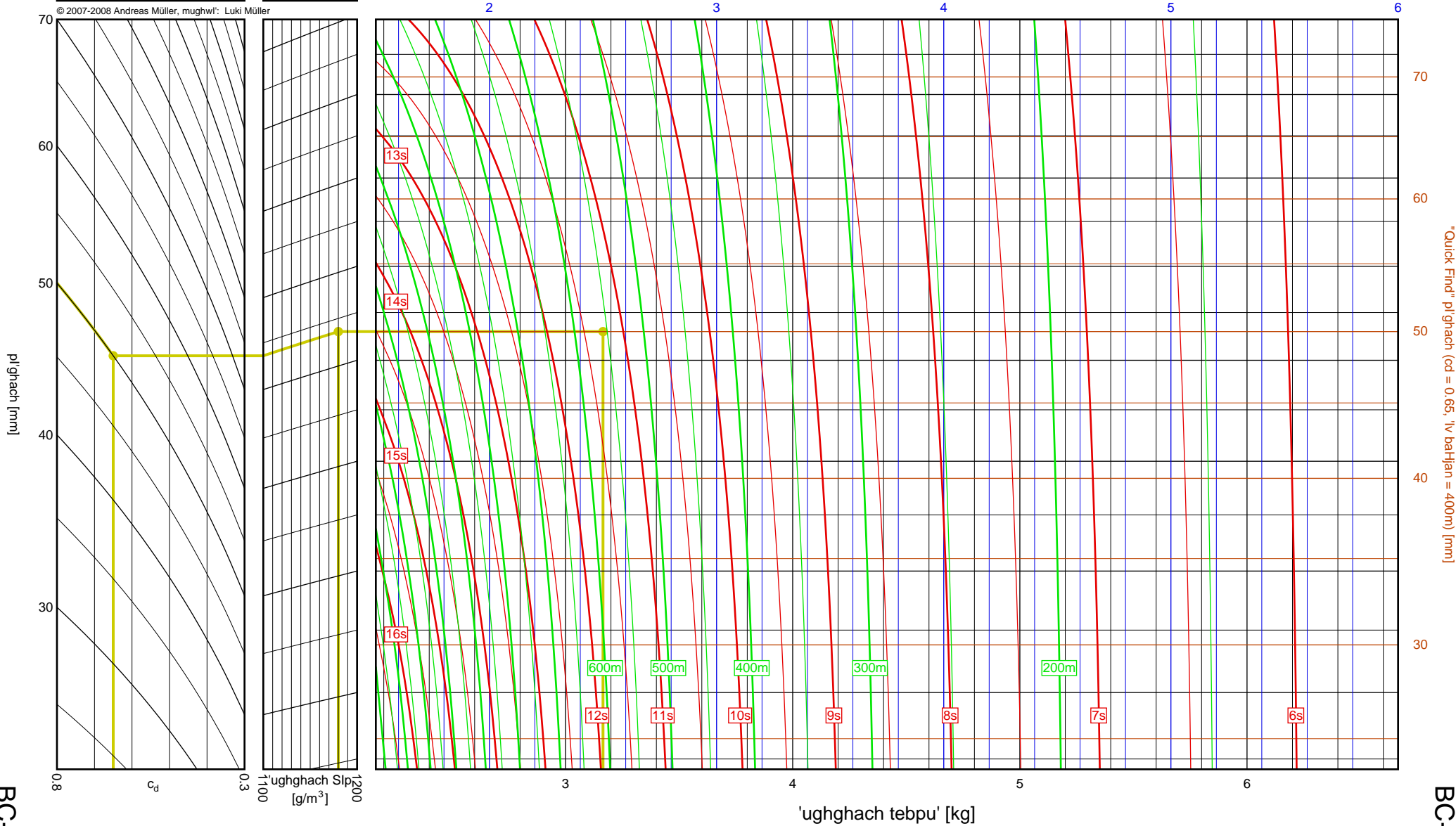
Maurer	
BC-360	
I_{tot}	= 356.5 Ns
F_{avg}	= 210.6 N
t_{burn}	= 1.69 s
d	= 72 mm
Data source: http://www.raketenmodellbau.org	



wa'Dich: pl'ghach yltthap Don tthehgh nogh raDSIpDaq yljaH
 cha'Dich: HeHpoS 'angwl' 'ughghachSlpDaq ylnech
 wejDich: Don tthehgh nogh 'ughghachSlpDaq yljaH
 loSDich: lan qughvo' 'ughghachDaq ylnech
 vaghDich: poH jenwl'anDaq tthehghDoqmey yllaD, 'lv tthehghSuDmey yllaD

much: pl'ghach = 50mm, raDSIp = 0.65, 'ughghach Slp = 1180 g/m³, 'ughghach = 3.165kg
QeyHa'moHghach: poH jenwl'Daq: 11.3s, 'lv pl'Hlu': 556m

'ughghach tebHa'pu' [kg]



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BC-360

BC-360

2", I-J

BC-125"1	4-1
BC-125"4	3-2
BC-125"6	3-3
BC-125_Alu	4-2
BC-360	5-1
BC-80_SB	3-1