

Darton Sequel with Speed (149) Modules

Charts show stop size and stop position affects on let off % and draw length

Charts are a reference for selecting stop sizes

Data is from [Darton Consequence BBS Dual Sync Cam 70 lbs.](#)

Always exercise caution when changing let-off

| Module in "1" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|-------|---------|---------------|--------|--------|--------|---------------|--------|--|--|--|--|
| Stop Size | | AD | AD | Factory Small | AD | AD | AD | Factory Large | AD | | | | |
| Stop Dot setting | | 3 dot | 4 dot | | 1 dot | 2 dot | 3 dot | | 4 dot | | | | |
| Stop Position on CAM | | 1.5 | 1.5 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| Let-off % | | 81% | 81% | 80% | 79% | 78% | 76% | 76% | 75% | | | | |
| Draw length change | | +3/8" | +11/32" | +3/16" | +5/32" | +3/32" | +1/32" | 0 | -1/32" | | | | |

| Module in "1.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|---------|--------|---------------|--------|--------|--------|---------------|--------|--------|--------|--------|-------|
| Stop Size | | AD | AD | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | 3 dot | 4 dot | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | 2 | 2 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1 | 1 | 1 | 1 |
| Let-off % | | 82% | 81% | 80% | 80% | 78% | 76% | 76% | 75% | 72% | 70% | 69% | 67% |
| Draw length change | | +13/32" | +5/16" | +5/32" | +5/32" | +3/32" | +1/32" | 0 | -1/32" | -5/32" | -7/32" | -5/16" | -3/8" |

| Module in "2" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|--|--------|---------------|-------|--------|-------|---------------|--------|--------|--------|--------|---------|
| Stop Size | | | AD | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | 4 dot | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | 2.5 | 2 | 2 | 2 | 2 | 2 | 2 | 1.5 | 1.5 | 1.5 | 1.5 |
| Let-off % | | | 82% | 81% | 80% | 79% | 77% | 76% | 75% | 72% | 70% | 68% | 67% |
| Draw length change | | | +5/16" | +5/32" | +1/8" | +1/16" | 0 | 0 | -1/32" | -5/32" | -7/32" | -9/32" | -11/32" |

| Module in "2.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|--|--|---------------|-------|--------|-------|---------------|--------|--------|--------|--------|---------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2 | 2 | 2 | 2 |
| Let-off % | | | | 81% | 80% | 79% | 77% | 76% | 75% | 71% | 70% | 68% | 66% |
| Draw length change | | | | +5/32" | +1/8" | +1/16" | +0 | 0 | -1/32" | -5/32" | -7/32" | -9/32" | -11/32" |

| Module in "3" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|--|--|---------------|-------|--------|-------|---------------|--------|--------|--------|--------|---------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 3 | 3 | 3 | 3 | 3 | 3 | 2.5 | 2.5 | 2.5 | 2.5 |
| Let-off % | | | | 81% | 81% | 79% | 77% | 76% | 78% | 72% | 70% | 68% | 66% |
| Draw length change | | | | +5/32" | +1/8" | +1/16" | 0 | 0 | -1/32" | -5/32" | -7/32" | -9/32" | -11/32" |

| Module in "3.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|--|--|---------------|-------|--------|-------|---------------|--------|--------|-------|--------|-------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3 | 3 | 3 | 3 |
| Let-off % | | | | 82% | 81% | 79% | 78% | 77% | 76% | 71% | 69% | 67% | 65% |
| Draw length change | | | | +5/32" | +1/8" | +1/16" | 0 | 0 | -1/32" | -3/16" | -1/4" | -5/16" | -3/8" |

| Module in "4" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|--|--|---------------|-------|--------|-------|---------------|--------|-------|--------|-------|--------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 4 | 4 | 4 | 4 | 4 | 4 | 3.5 | 3.5 | 3.5 | 3.5 |
| Let-off % | | | | 82% | 81% | 79% | 77% | 76% | 75% | 71% | 69% | 67% | 66% |
| Draw length change | | | | +5/32" | +1/8" | +3/32" | 0 | 0 | -1/32" | -1/8" | -3/16" | -1/4" | -5/16" |

| Module in "4.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|--|--|---------------|-------|--------|-------|---------------|--------|--------|-------|--------|-------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4 | 4 | 4 | 4 |
| Let-off % | | | | 82% | 81% | 79% | 78% | 76% | 76% | 69% | 68% | 66% | 64% |
| Draw length change | | | | +1/8" | +1/8" | +1/16" | 0 | 0 | -1/32" | -3/16" | -1/4" | -5/16" | -3/8" |

| Module in "5" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|--|--|---------------|--------|--------|-------|---------------|--------|--------|-------|--------|---------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 5 | 5 | 5 | 5 | 5 | 5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Let-off % | | | | 82% | 81% | 80% | 78% | 76% | 76% | 69% | 67% | 65% | 63% |
| Draw length change | | | | +1/8" | +3/32" | +1/16" | 0 | 0 | -1/32" | -3/16" | -1/4" | -9/32" | -11/32" |

| Module in "5.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|--|--|---------------|--------|--------|-------|---------------|--------|--------|--------|--------|-------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5 | 5 | 5 | 5 |
| Let-off % | | | | 82% | 82% | 79% | 78% | 77% | 76% | 68% | 66% | 64% | 62% |
| Draw length change | | | | +1/8" | +3/32" | +1/16" | 0 | 0 | -1/32" | -7/32" | -9/32" | -5/16" | -3/8" |

| Module in "6" Position (speed module) | | | | | | | | | | | | | |
|---------------------------------------|--|--|--|---------------|--------|--------|-------|---------------|--------|--------|-------|--------|---------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 6 | 6 | 6 | 6 | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 |
| Let-off % | | | | 80% | 79% | 77% | 75% | 75% | 73% | 68% | 65% | 64% | 61% |
| Draw length change | | | | +1/8" | +3/32" | +1/16" | 0 | 0 | -1/32" | -3/16" | -1/4" | -9/32" | -11/32" |

| Module in "6.5" Position (speed module) | | | | | | | | | | | | | |
|---|--|--|--|---------------|-------|--------|-------|---------------|--------|--------|--------|--------|--------|
| Stop Size | | | | Factory Small | AD | AD | AD | Factory Large | AD | AD | AD | AD | AD |
| Stop Dot setting | | | | | 1 dot | 2 dot | 3 dot | | 4 dot | 1 dot | 2 dot | 3 dot | 4 dot |
| Stop Position on CAM | | | | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6 | 6 | 6 | 6 |
| Let-off % | | | | 78% | 76% | 74% | 70% | 68% | 67% | 58% | 54% | 52% | 50% |
| Draw length change | | | | +1/8" | +1/8" | +1/16" | 0 | 0 | -1/32" | -5/32" | -3/16" | -9/32" | -5/16" |

How to calculate holding weight $(1 - (\text{let off \%} \div 100)) \times \text{peek draw weight} = \text{holding weight}$
Example $(1 - (.88 \div 100)) \times 59\text{lbs} = \text{holding weight} \ggg (1 - .88) \times 59\text{lbs} = \text{holding weight} \ggg .12 \times 59\text{lbs} = 7.08 \text{ lbs.}$

How to calculate let off percent $(1 - (\text{Holding weight} \div \text{peek draw weight})) \times 100 = \text{let off \%}$
Example $(1 - (7.08\text{lbs} \div 59\text{lbs})) \times 100 = \text{let off \%} \ggg (1 - .12) \times 100 = \text{let off \%} \ggg .88 \times 100 = 88\%$

