>> Since it seems that you need a full array, even when
>> appending a few bytes, ...

Not true. In your original code example you were trying to write a full
sized larger array into the dataset, and when I wrote my example I had
mixed the two options in my mind and ended up using a full dataset array
but only writing two elements. My bad.

By defining a new dataspace you can write only the data to any portion
of the dataset you need without wasting memory.

```
;; extend dataset by two elements
h5d_extend, d, 12
;; get updated matching dataspace
ds2 = h5d_get_space(d)
;; mark only needing to write to the last two elements
h5s_select_hyperslab, ds2, 10, 2, /reset

;; create data to write
data = [100b, 200b]
;; create dataspace for writing
ds3 = h5s_create_simple(2)
;; write only the new elements to the dataset
h5d_write, d, data, file_space=ds2, memory_space=ds3
```

Sorry for the confusion.

Cheers,
eddie