

## TYPE GERMAN LETTERS WITH ASCII CODE

**There is an easy way to write the German characters ä ö ü and ß on a non-German keyboard.**

Press NUM on the number pad of your keyboard to activate the NUM-lock. Then press ALT and keep it pressed while you type the code 132 on the number pad. 132 is the code for the letter ä, the a umlaut.

**Use the ASCII codes for the other German letters.**

ALT + 132	for	ä	ä- umlaut, small letter
ALT + 142	for	Ä	Ä- umlaut, capital letter
ALT + 148	for	ö	ö- umlaut, small letter
ALT + 153	for	Ö	Ö- umlaut, capital letter
ALT + 129	for	ü	ü- umlaut, small letter
ALT + 154	for	Ü	Ü- umlaut, capital letter
ALT + 225	for	ß	ß- eszett or sharp s

### The letters ä ö ü

The umlaut letters ä ö ü are on German computer keyboards. Character encodings are used to render them on a non-German keyboard. If the umlauts are not available, they are replaced by ae, oe and ue. Gepäck, Köln and München are typed as Gepaeck, Koeln and Muenchen.

### The letter ß

The letter ß represents a voiceless s. Since it is never used at the beginning of a word, it exists only as a small letter. If it is not available for typing or printing, ss is used instead. So, the word groß.

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