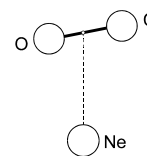


## Structure Data of Free Polyatomic Molecules

157 MW	<b>CNeO</b>	<b>Carbon monoxide – neon (1/1)</b> (weakly bound complex)	<b>C<sub>s</sub></b> (effective symmetry class) (large-amplitude motion) CO · Ne
	$r_0$	$\theta_0$	
	$R_{\text{cm}}$	O–cm...Ne <sup>a</sup>	
	$\text{\AA}$	deg	
	3.586(4)	72.1(62)	



The intermolecular stretching force constant  $k_\sigma$  is  $0.27 \text{ N m}^{-1}$ .

<sup>a</sup>) cm denotes the center of mass of CO.

Walker, K.A., Ogata, T., Jäger, W., Gerry, M.C.L., Ozier, I.: J. Chem. Phys. **106** (1997) 7519.  
[II/25B\(3, 428\)](#)