

A	<p>Determine the drag coefficient of three cylinders of different diameter (having the same surface roughness) as a function of Reynolds number. Measure each cylinder at the same Reynolds number and repeat the measurement for 5 Reynolds numbers in total. In order to guarantee only 2D flow effects, utilize the circular endplates over the ends of the cylinders during the measurements.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
B	<p>Determine the drag coefficient of 3 different cones of various heights as a function of Reynolds number. Measure each cone at the same Reynolds number and repeat the measurement for 5 Reynolds numbers in total.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
C	<p>Determine the drag coefficient of 3 different cylinders having conical ends as a function of Reynolds number. Measure each cylinder of conical end at the same Reynolds number and repeat the measurement for 5 Reynolds numbers in total.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
D	<p>Determine the drag coefficient of 3 spheres of different diameter as a function of Reynolds number. Measure each sphere of different diameters at the same Reynolds number and repeat the measurement for 5 Reynolds numbers in total.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
E	<p>Determine the drag coefficient of 5 cones of varying height at 3 different velocities! Choose the velocities in the range of $50\% \cdot v_{max}$ and $100\% \cdot v_{max}$.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
F	<p>Determine the drag coefficient of 3 vertical cylinders of different diameter at 5 different velocities. Choose the velocities in the range of $50\% \cdot v_{max}$ and $100\% \cdot v_{max}$.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
G	<p>Determine the drag coefficient of 3 horizontal cylinders of different surface roughness (of the same diameter) at 5 different velocities. In order to guarantee only 2D flow effects, utilize the circular endplates over the ends of the cylinders during the measurements. Choose the velocities in the range of $50\% \cdot v_{max}$ and $100\% \cdot v_{max}$.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>
H	<p>Determine the drag coefficient of 3 cylinders of different heights as a function of Reynolds number. Measure the cylinders of various heights at the same Reynolds number and repeat the measurements for 5 Reynolds numbers in total.</p> <p>Check your results using the online validation tool www.ara.bme.hu/lab/!</p>