**ZESTAW 1**

**Zadanie 1.1**

d = 85 mm

D = 100 mm

L/D = 1

ηmPa·s

e = 3 mm

n =100, 500, 1000, 2000, 3000obr/min

**Zadanie 1.2**

d =85 mm

D = 100 mm

ηmPa·s

 L/D = 1

e = 2, 3, 4, 5, 6 mm

n = 1000 obr/min

**Zadanie 1.3**

d = 85 mm

D = 100 mm

η mPa·s

L/D = 1

e = 3 mm

n = 1000 obr/min

**ZESTAW 2**

**Zadanie 2.1**

d = 45 mm

D = 60 mm

L/D = 0,75

ηmPa·s

e = 3 mm

n = 500, 1000, 2000, 3000, 5000obr/min

**Zadanie 2.2**

d = 45 mm

D = 60 mm

ηmPa·s

L/D = 0,75

e = 2, 3, 4, 5, 6 mm

n = 2000 obr/min

**Zadanie 2.3**

d = 45 mm

D = 60 mm

ηmPa·s

L/D = 0,75

e = 3 mm

n = 2000 obr/min

**ZESTAW 3**

**Zadanie 3.1**

d = 80 mm

D = 100 mm

L/D = 1

ηmPa·s

e = 3 mm

n = 1000, 2000, 4000, 6000, 8000 obr/min

**Zadanie 3.2**

d = 80 mm

D = 100 mm

ηmPa·s

L/D = 1

e = 1, 2, 3, 4, 5 mm

n = 2000 obr/min

**Zadanie 3.3**

d = 80 mm

D = 100 mm

ηmPa·s

L/D = 1

e = 3 mm

n = 2000 obr/min

**ZESTAW 4**

**Zadanie 4.1**

d = 120 mm

D = 140 mm

L/D = 0,5

ηmPa·s

e = 4 mm

n = 100, 200, 300, 400, 500 obr/min

**Zadanie 4.2**

d = 120 mm

D = 140 mm

ηmPa·s

L/D = 0,5

e = 2, 3, 4, 5, 6 mm

n = 300 obr/min

**Zadanie 4.3**

d = 120 mm

D = 140 mm

ηmPa·s

L/D =0,5

e = 4 mm

n = 300 obr/min

**ZESTAW 5**

**Zadanie 5.1**

d = 70 mm

D = 84 mm

L/D = 0,25

ηmPa·s

e = 4 mm

n = 200, 300, 400, 500, 600 obr/min

**Zadanie 5.2**

d = 70 mm

D = 84 mm

ηmPa·s

L/D = 0,25

e = 2, 3, 4, 5, 6 mm

n = 200 obr/min

**Zadanie 5.3**

d = 70 mm

D = 84 mm

ηmPa·s

L/D = 0,25

e = 4 mm

n = 200 obr/min