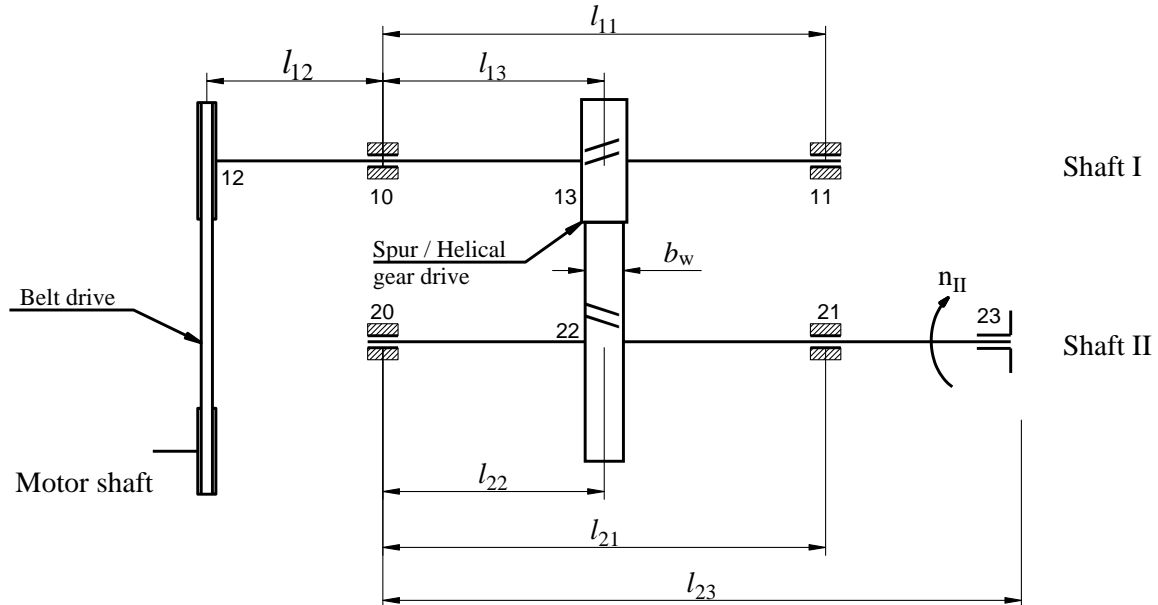


Project number: 1/P.MEM16.H1

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 24000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 40° (Đai dẹt)
Load property: Va đập nhẹ
Coupling force on the shaft: 49.74 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.564	0.542	0.531
n (v/ph)	720	257.14	58.44	58.44
T (Nmm)	7958.3	20946.6	88571.2	86773.6
u		2.80	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Hoàng Trung An.....22010740**

Class: **K16-KTCĐT_2**

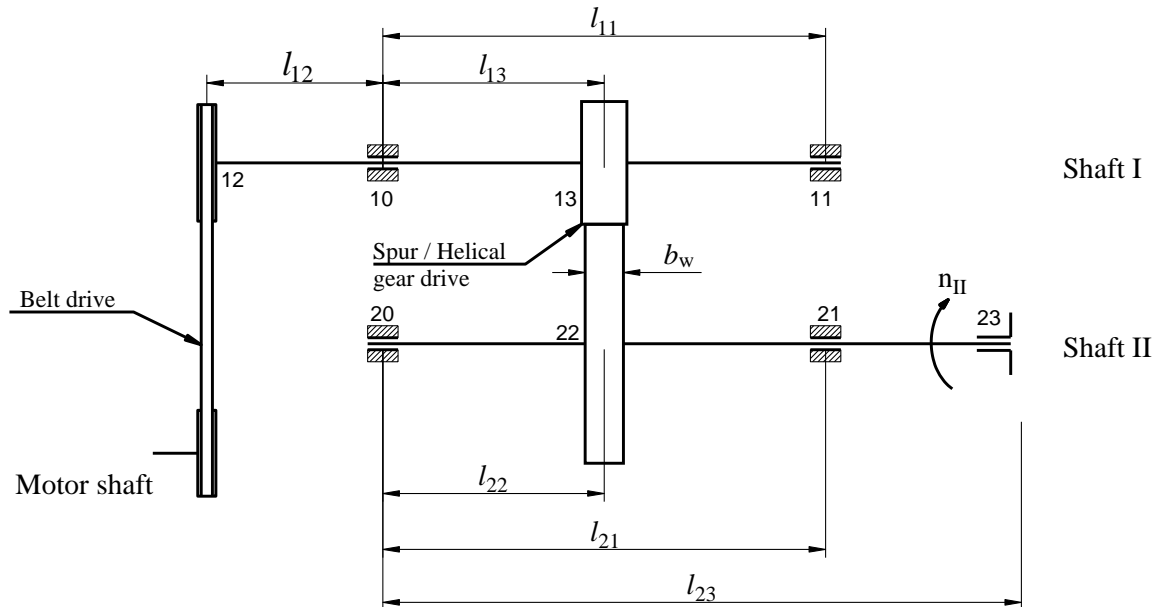
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H2

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 21000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 5° (Đại dẹt)
Load property: Va đập nhẹ
Coupling force on the shaft: 17.56 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.8	0.752	0.722	0.708
n (v/ph)	1450	580.00	131.82	131.82
T (Nmm)	5269.0	12382.1	52306.9	51292.7
u		2.50	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hoàng Anh.....22013901

Class: K16-KTCĐT_2

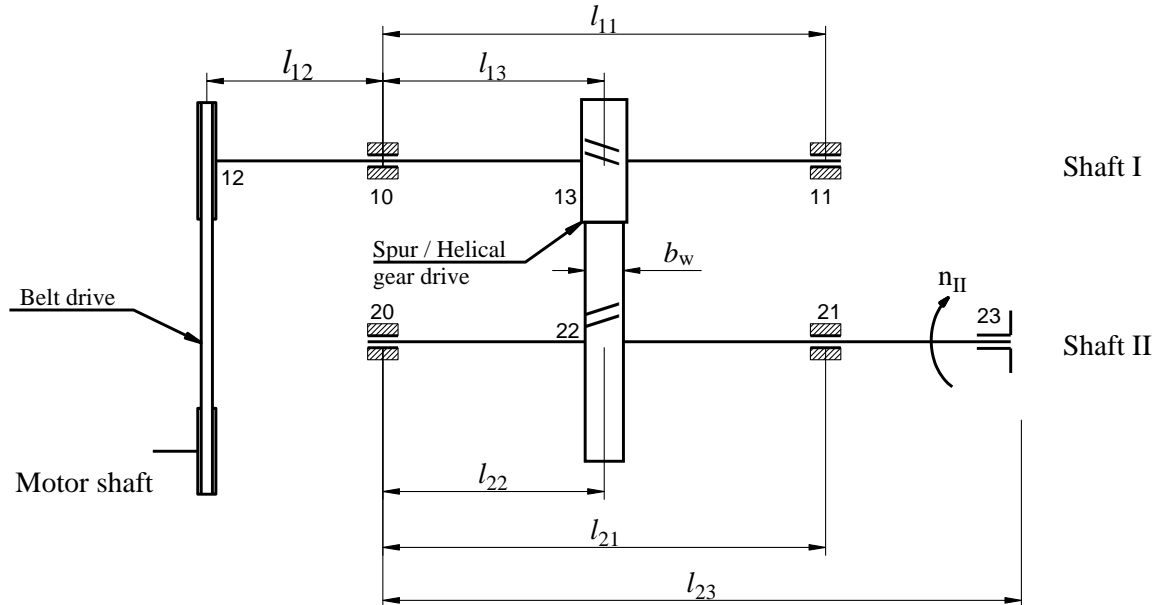
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H3

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 22000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 40° (Đai thang)
Load property: Va đập vừa
Coupling force on the shaft: 36.84 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.941	0.904	0.886
n (v/ph)	720	228.57	63.49	63.49
T (Nmm)	13263.9	39316.4	135977.3	133269.8
u		3.15	3.60	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Trần Tuấn Anh.....22010768**

Class: **K16-KTCĐT_1**

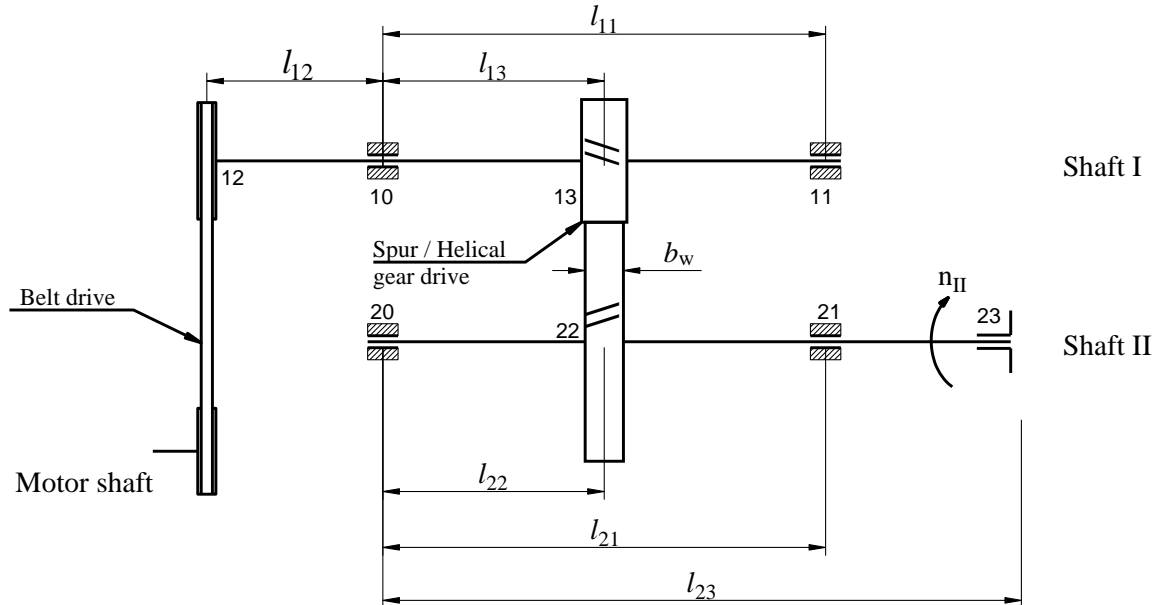
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H4

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 17000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 15° (Đai thang)
Load property: Va đập nhẹ
Coupling force on the shaft: 45.59 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.1	1.035	0.994	0.974
n (v/ph)	960	480.00	126.32	126.32
T (Nmm)	10942.7	20592.2	75148.0	73636.0
u		2.00	3.80	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Gia Bảo.....22010593

Class: K16-KTCĐT_2

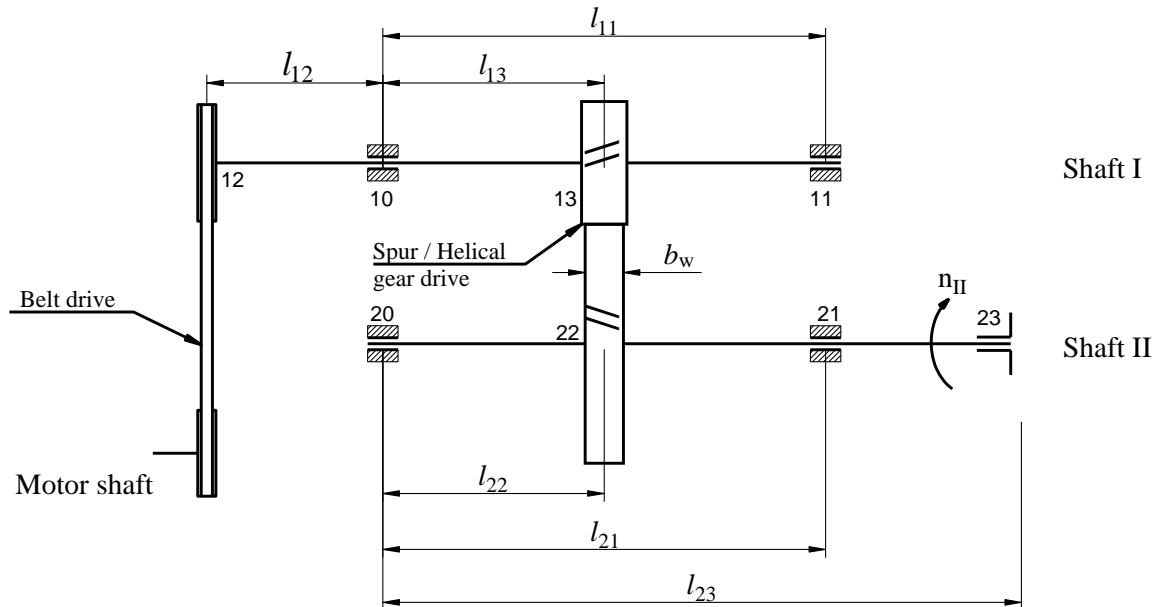
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H5

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 17000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 25° (Đai dẹt)
Load property: Êm
Coupling force on the shaft: 15.54 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.5	0.470	0.451	0.442
n (v/ph)	960	428.57	104.53	104.53
T (Nmm)	4974.0	10473.2	41204.0	40381.7
u		2.24	4.10	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Đức Bình.....22010960

Class: K16-KTCĐT_3

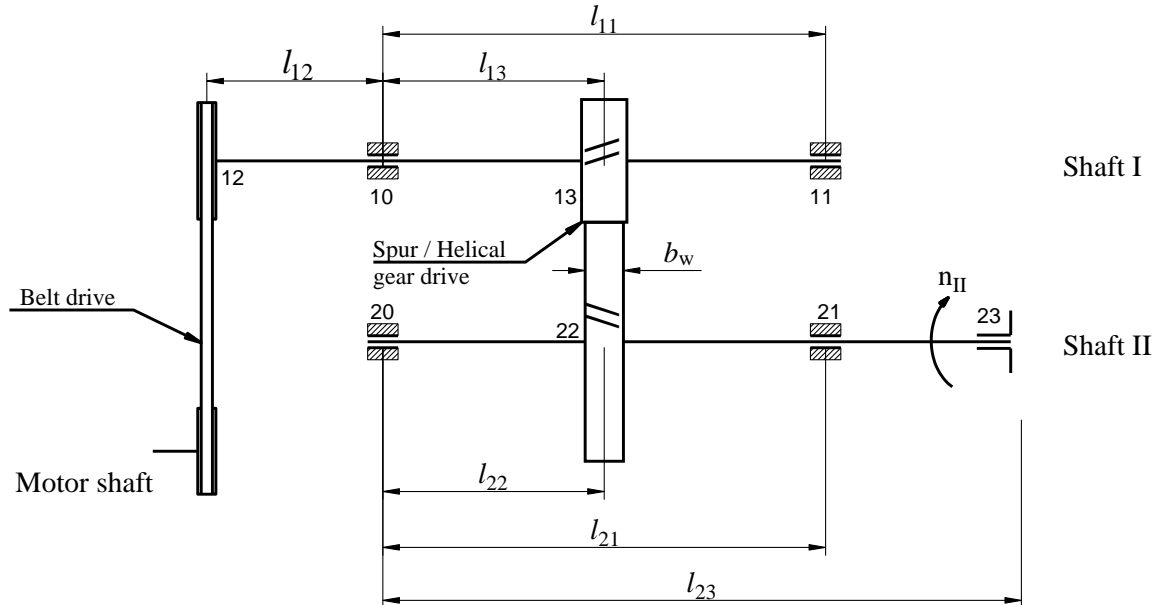
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H6

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 14000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 45° (Đai thang)
Load property: Êm
Coupling force on the shaft: 16.58 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.564	0.542	0.531
n (v/ph)	960	304.76	69.26	69.26
T (Nmm)	5968.8	17673.6	74734.3	73217.6
u		3.15	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Văn Doanh.....22010652

Class: K16-KTCĐT_1

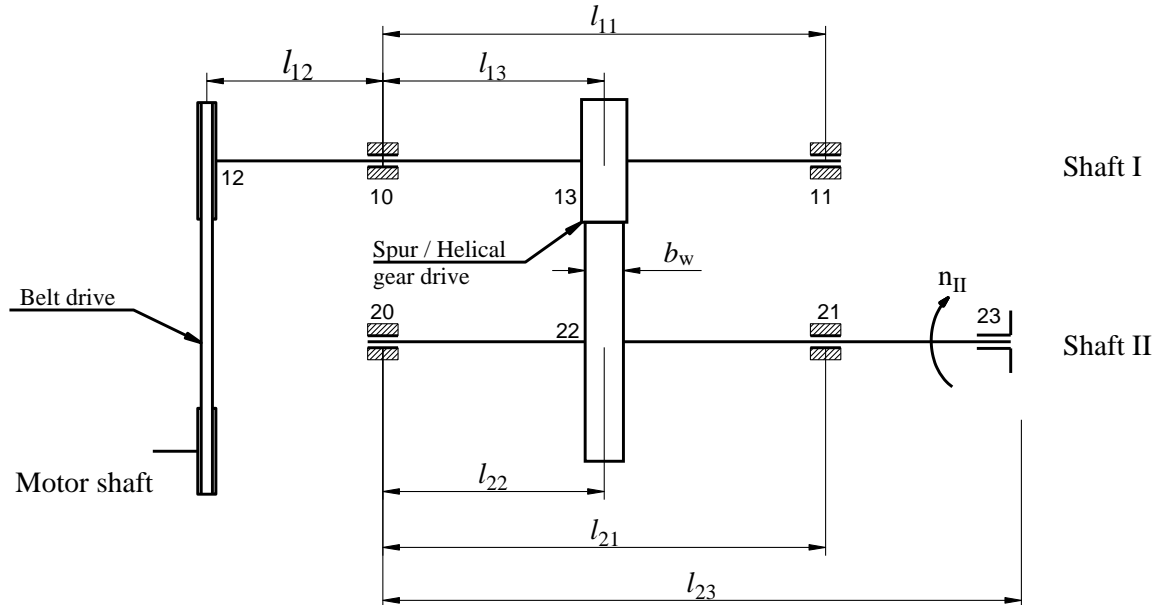
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H7

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 12000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 40° (Đai dẹt)
Load property: Êm
Coupling force on the shaft: 40.70 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	960	304.76	84.66	84.66
T (Nmm)	8953.1	26510.4	91597.0	89792.1
u		3.15	3.60	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hùng Dương.....22014374 Class: K16-KTCĐT_2

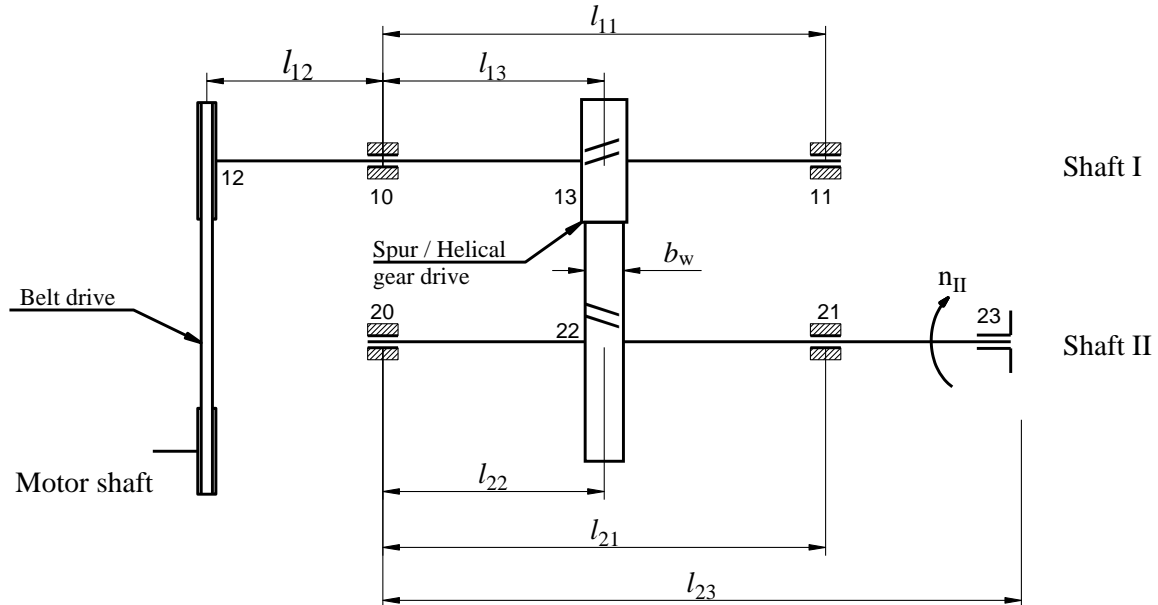
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H8

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 10000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 0° (Đại dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 34.44 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	960	269.66	74.91	74.91
T (Nmm)	8953.1	29961.1	103518.9	101479.1
u		3.56	3.60	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Đức Hải.....22010578

Class: K16-KTCĐT_1

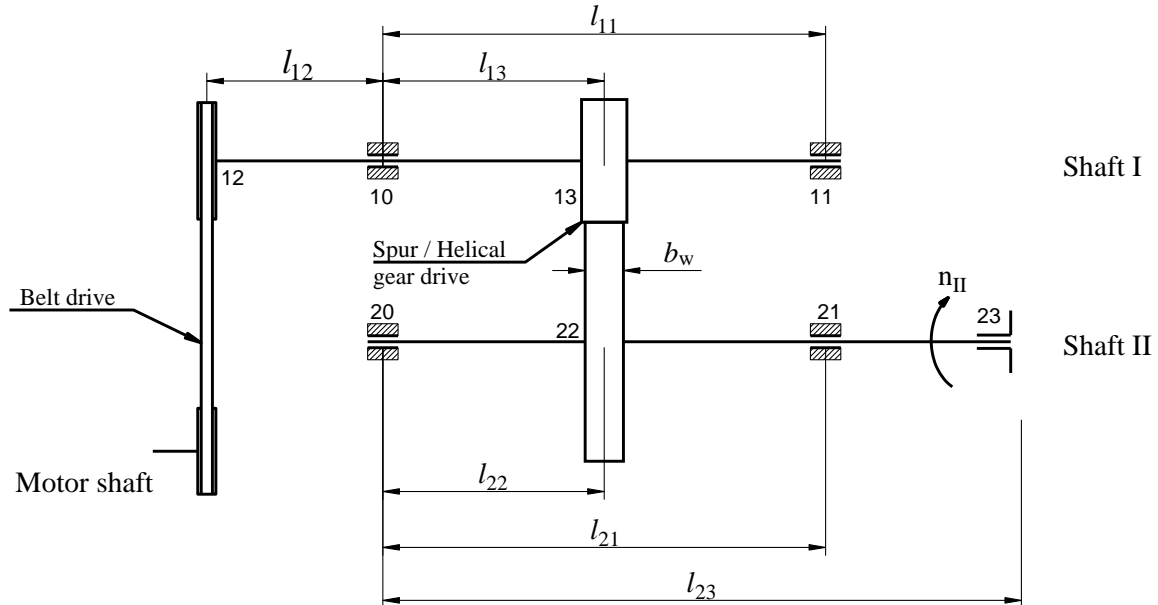
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H9

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 10000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 20° (Đai dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 22.11 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.564	0.542	0.531
n (v/ph)	720	321.43	82.42	82.42
T (Nmm)	7958.3	16757.0	62801.5	61526.9
u		2.24	3.90	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Lê Trọng Hiếu.....22011037**

Class: **K16-KTCĐT_3**

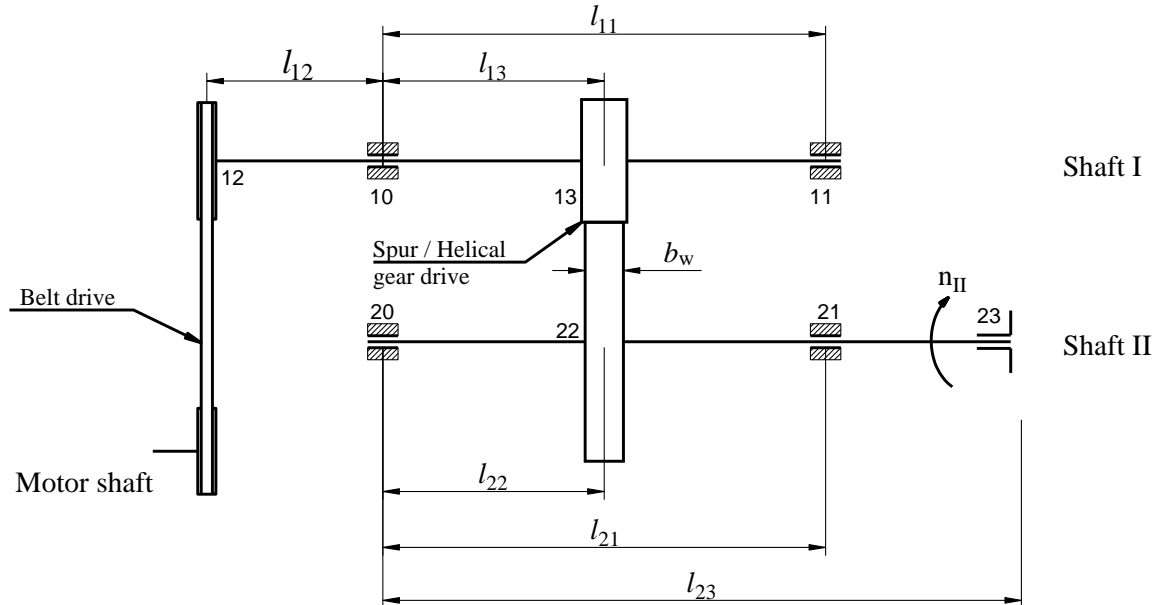
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H10

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 17000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 60° (Đai dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 25.79 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.7	0.658	0.632	0.619
n (v/ph)	720	228.57	55.75	55.75
T (Nmm)	9284.7	27492.2	108261.9	106035.0
u		3.15	4.10	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Huy Hoàng.....22010951

Class: K16-KTCĐT_3

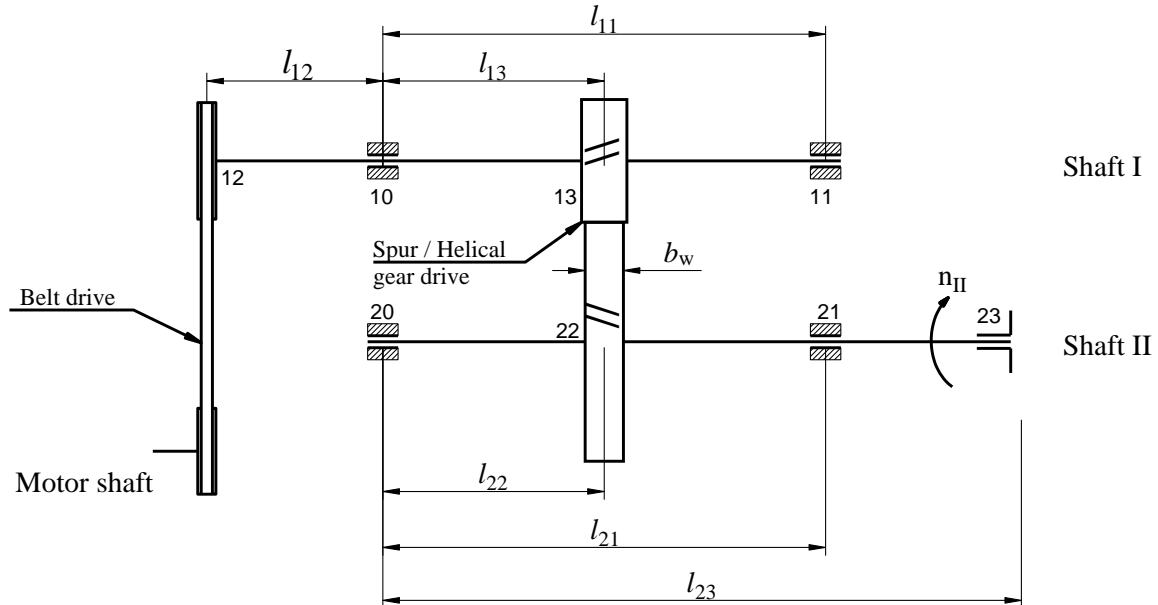
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H11

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 18000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the belt drive: 90° (Đại thang)
Load property: Va đập vừa
Coupling force on the shaft: 21.32 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.564	0.542	0.531
n (v/ph)	960	384.00	89.30	89.30
T (Nmm)	5968.8	14026.6	57963.0	56786.7
u		2.50	4.30	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Đặng Nguyễn Quang Huy.....22010701** Class: **K16-KTCĐT_1**

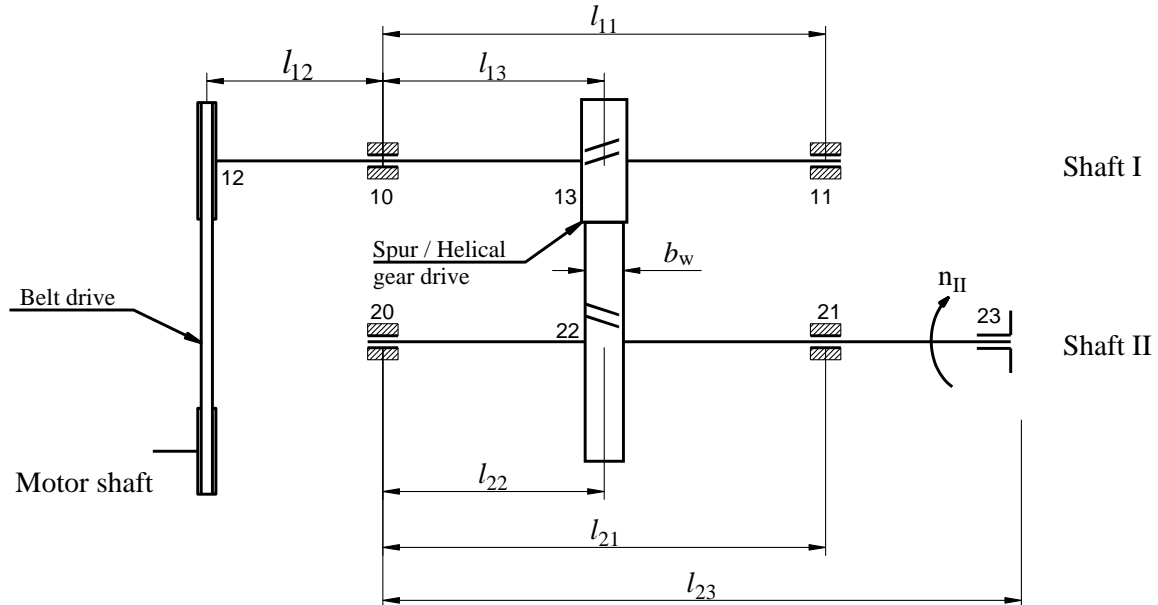
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H12

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 12000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 20° (Đai dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 31.41 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	720	257.14	65.93	65.93
T (Nmm)	11937.5	31419.8	117618.7	115301.1
u		2.80	3.90	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Đức Khang.....22011063

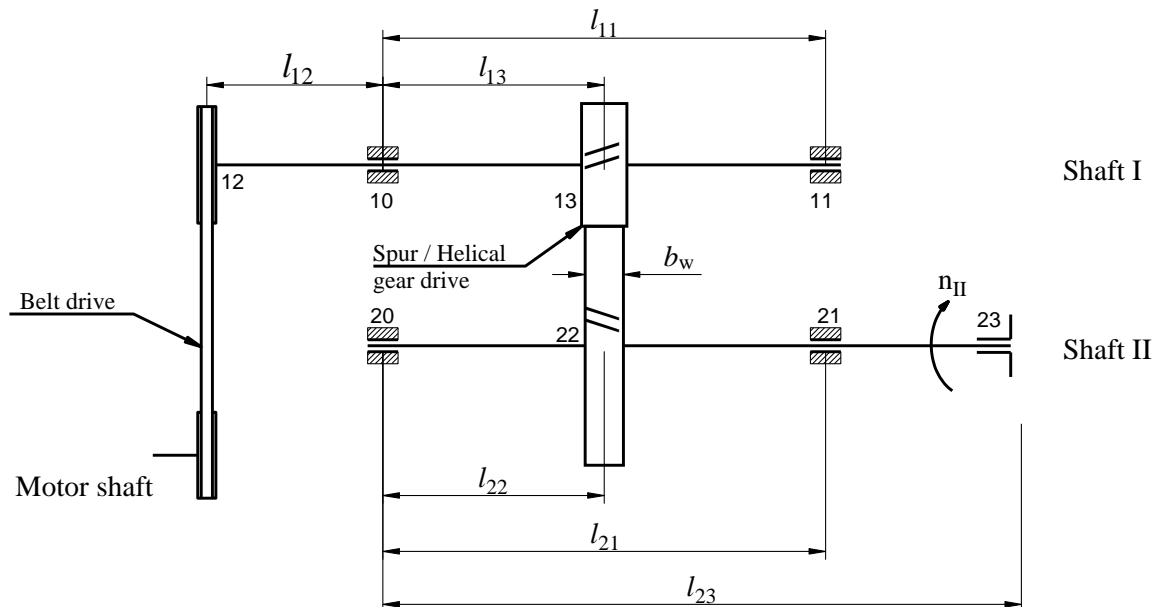
Class: K16-KTCĐT_3

Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

A transmission system is given as:



Service time:	$L_h = 11000$ (hour)
Number of shifts:	2 (shift)
The tilt angle of the center line of the belt drive:	80° (Đai thang)
Load property:	Va đập vừa
Coupling force on the shaft:	49.74 (N)

Shaft Params	Motor		I		II		Working	
P (kW)	0.9		0.846		0.812		0.796	
n (v/ph)	720		257.14		67.67		67.67	
T (Nmm)	11937.5		31419.8		114594.4		112336.3	
u		2.80		3.80		1		

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

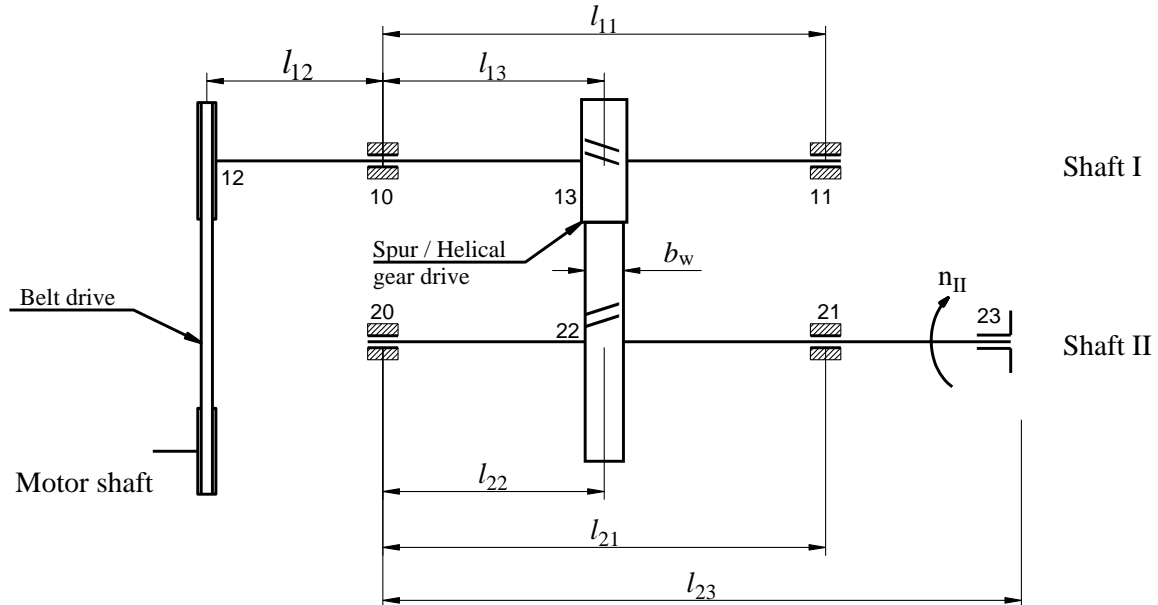
- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Ngô Thị Thùy Linh.....22010446** Class: **K16-KTCĐT_1**
Instructor: **Vũ Lê Huy**

LECTURER
(*sign and full name*)

Project number: 1/P.MEM16.H14

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 20000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 45° (Đai thang)
Load property: Êm
Coupling force on the shaft: 25.61 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.7	0.658	0.632	0.619
n (v/ph)	1450	725.00	201.39	201.39
T (Nmm)	4610.3	8667.4	29969.7	29353.2
u		2.00	3.60	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Thành Lộc.....22010598

Class: K16-KTCĐT_1

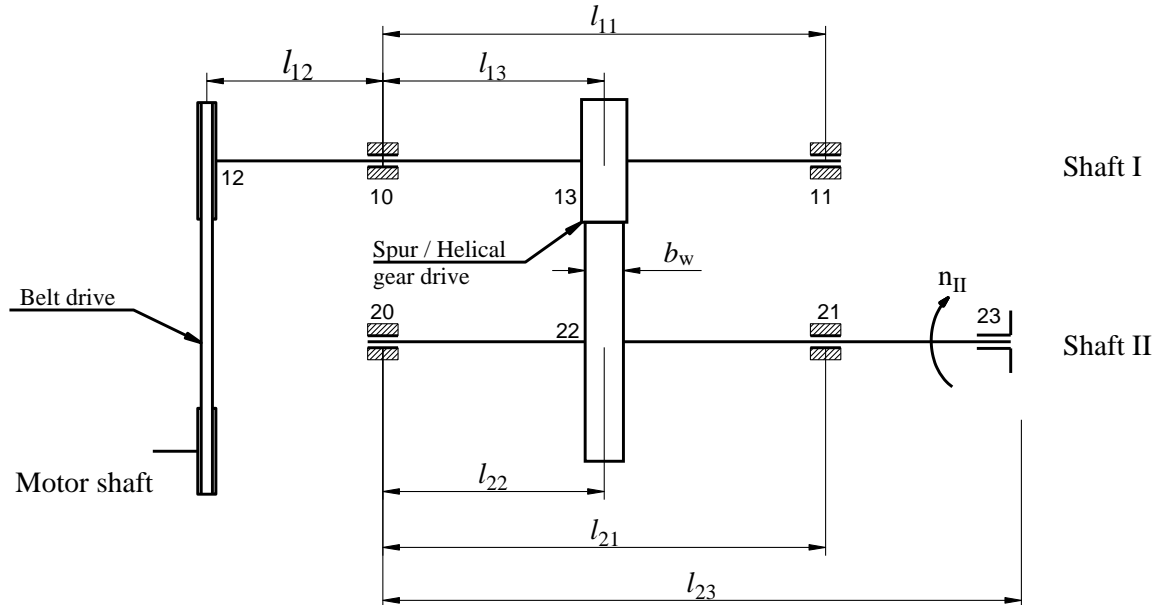
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H15

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 14000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 30° (Đai thang)
Load property: Êm
Coupling force on the shaft: 24.87 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	960	480.00	126.32	126.32
T (Nmm)	8953.1	16831.9	61388.5	60178.9
u		2.00	3.80	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Xuân Minh.....22010639

Class: K16-KTCĐT_1

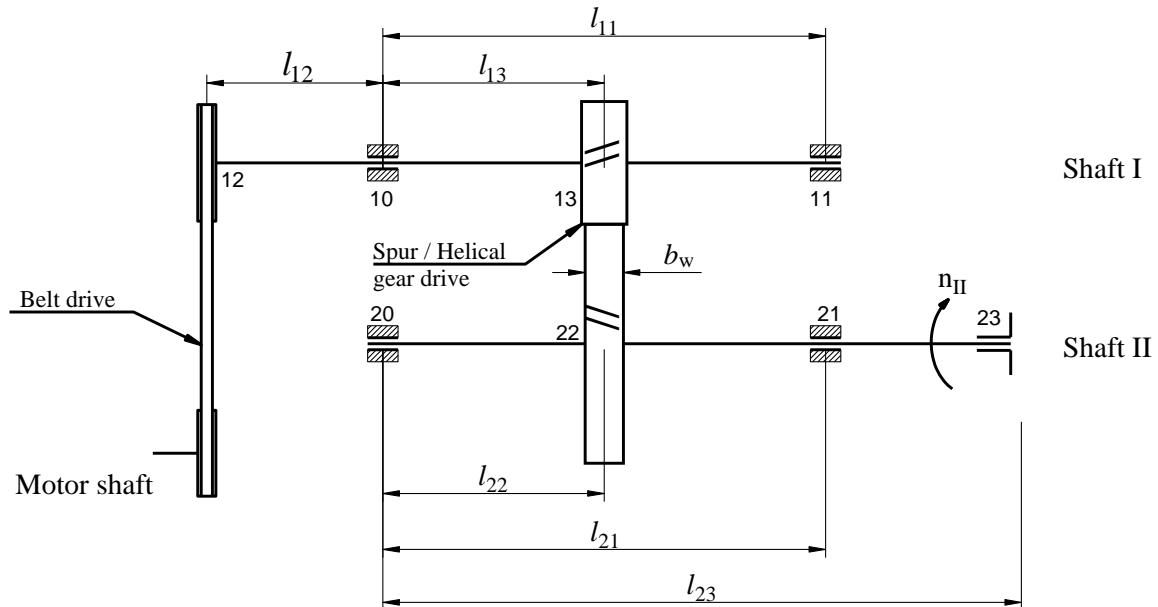
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H16

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 25000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the belt drive: 55° (Đai dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 34.44 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	960	480.00	114.29	114.29
T (Nmm)	8953.1	16831.9	67850.2	66513.3
u		2.00	4.20	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hữu Nghĩa.....20011010

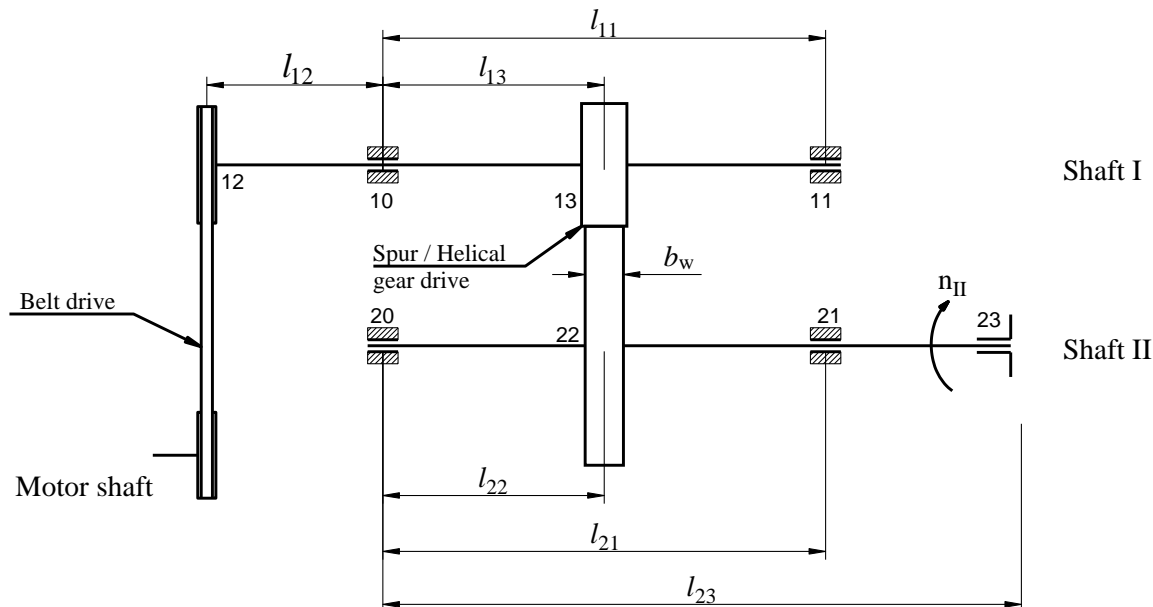
Class: K14-CĐT

Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

A transmission system is given as:



Service time:	$L_h = 22000$ (hour)
Number of shifts:	3 (shift)
The tilt angle of the center line of the belt drive:	25° (Đai thang)
Load property:	Êm
Coupling force on the shaft:	10.40 (N)

Shaft Params	Motor		I		II		Working	
P (kW)	0.6		0.564		0.542		0.531	
n (v/ph)	1450		647.32		165.98		165.98	
T (Nmm)	3951.7		8320.8		31185.1		30552.2	
u		2.24		3.90		1		

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

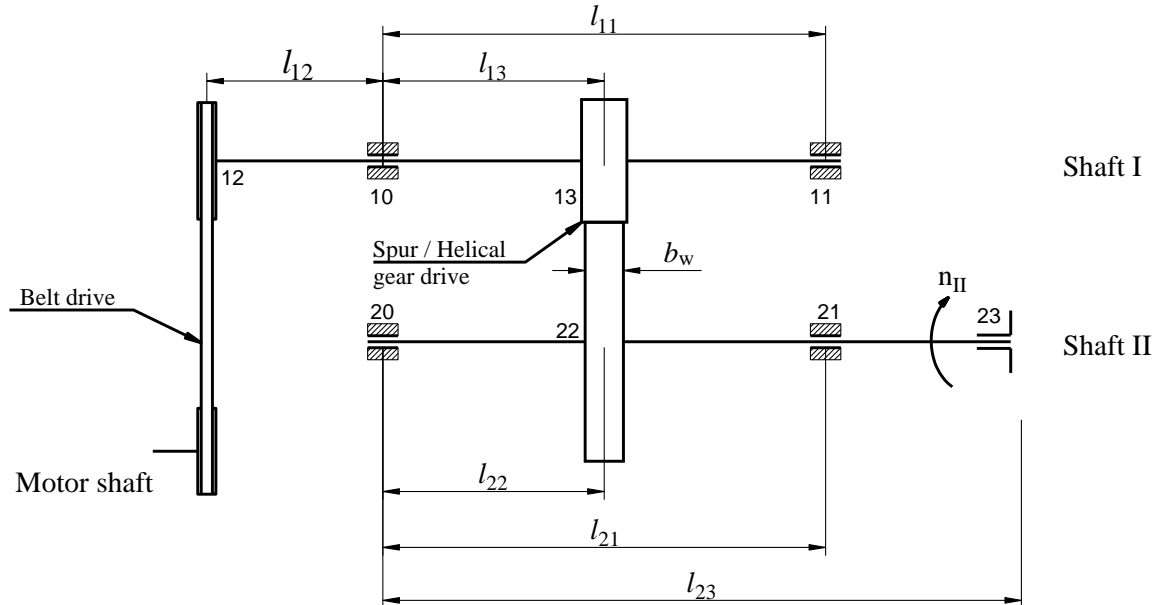
Class: K16-KTCĐT 3

Instructor: *Vũ Lê Huy*

LECTURER
(*sign and full name*)

Project number: 1/P.MEM16.H18

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 25000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 70° (Đai dẹt)
Load property: Va đập vừa
Coupling force on the shaft: 33.16 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.941	0.904	0.886
n (v/ph)	960	428.57	97.40	97.40
T (Nmm)	9947.9	20968.7	88636.6	86871.7
u		2.24	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Văn Quyển.....22010985

Class: K16-KTCĐT_3

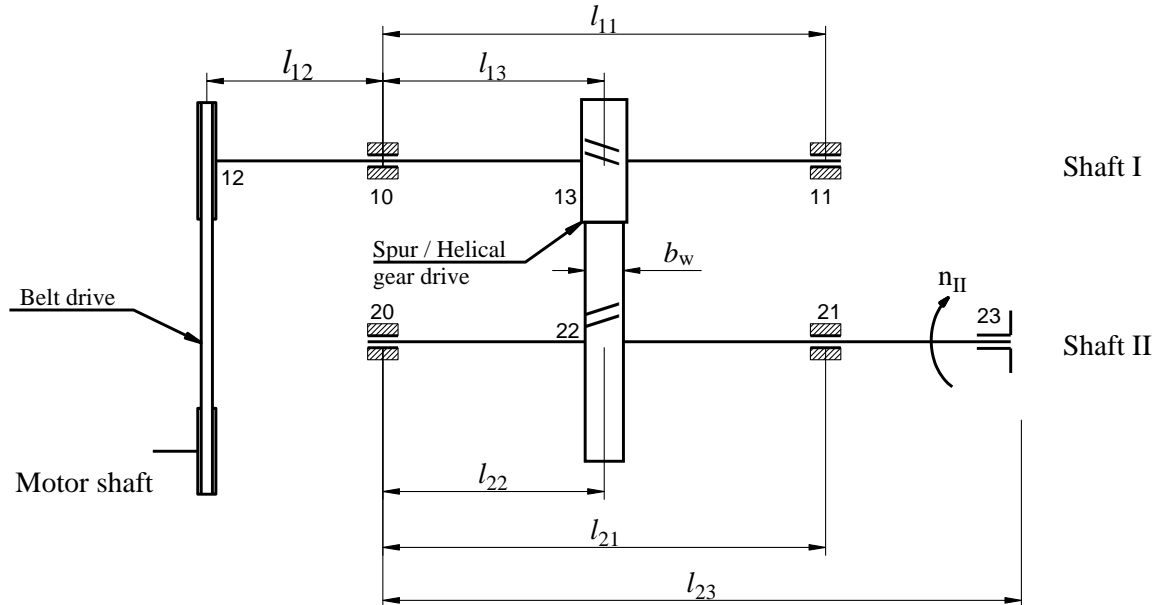
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H19

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 14000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the belt drive: 10° (Đai thang)
Load property: Êm
Coupling force on the shaft: 29.64 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	1450	517.86	136.28	136.28
T (Nmm)	5927.6	15601.3	56902.0	55780.7
u		2.80	3.80	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Ngô Đức Thắng.....22014523

Class: K16-KTCĐT_3

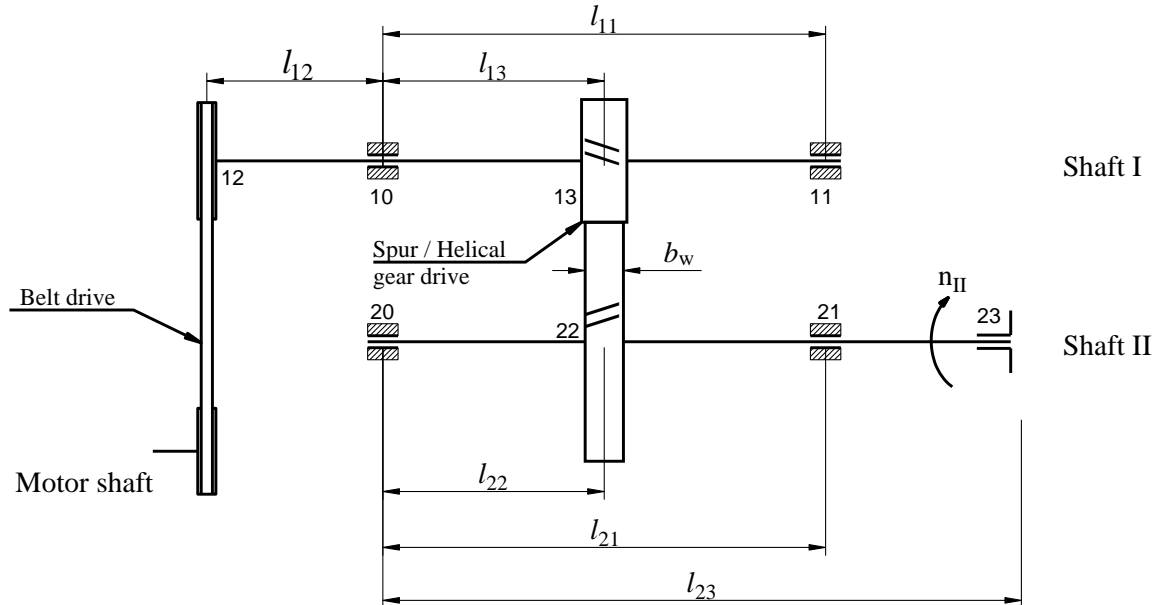
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H20

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 18000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the belt drive: 35° (Đai thang)
Load property: Va đập nhẹ
Coupling force on the shaft: 25.79 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.7	0.658	0.632	0.619
n (v/ph)	720	360.00	80.00	80.00
T (Nmm)	9284.7	17455.3	75445.0	73893.1
u		2.00	4.50	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Phạm Thị Thủy.....22011010**

Class: **K16-KTCĐT_2**

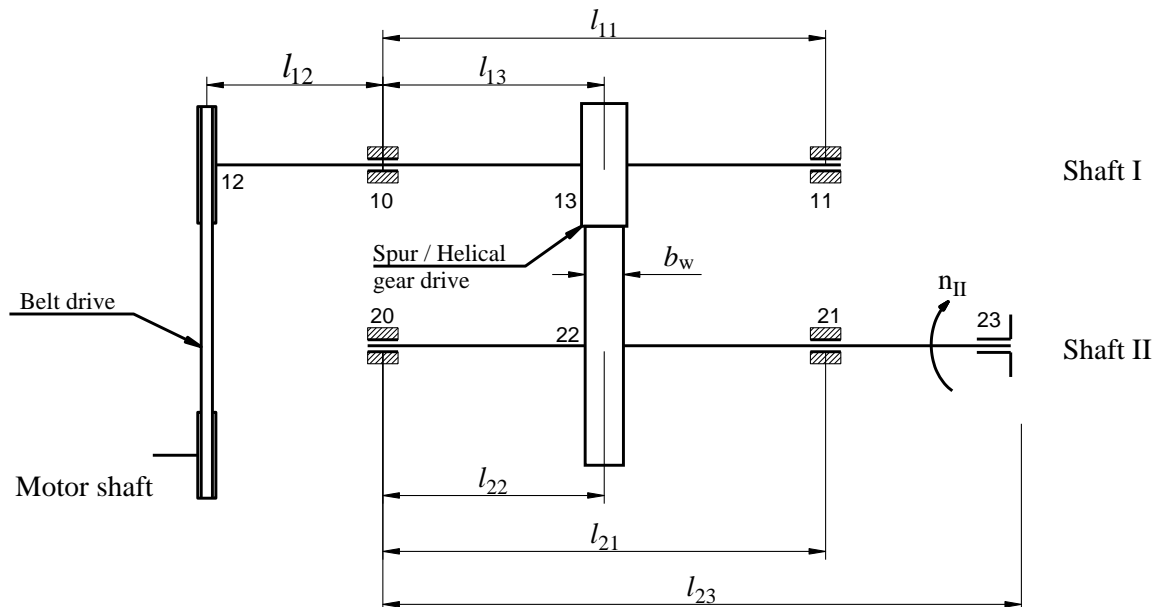
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H21

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 25000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 65° (Đai dẹt)
Load property: Êm
Coupling force on the shaft: 30.19 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.1	1.035	0.994	0.974
n (v/ph)	1450	517.86	117.70	117.70
T (Nmm)	7244.8	19086.7	80651.7	79028.9
u		2.80	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hữu Toàn.....22011478

Class: K16-KTCĐT_2

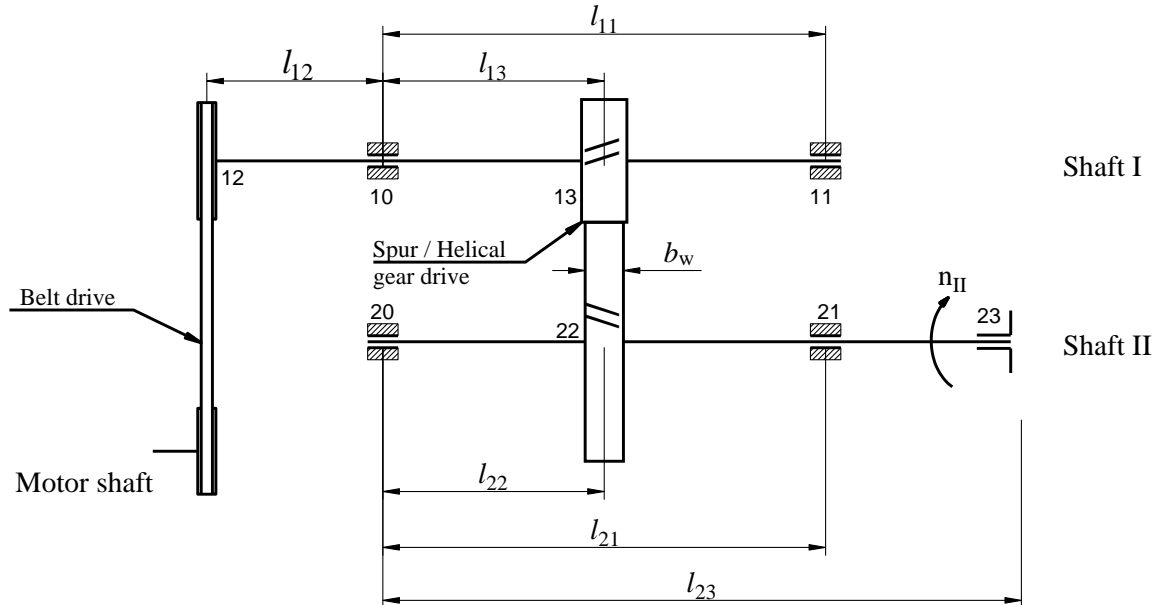
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 1/P.MEM16.H22

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 15000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the belt drive: 25° (Đai thang)
Load property: Va đập nhẹ
Coupling force on the shaft: 33.16 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.846	0.812	0.796
n (v/ph)	720	202.25	51.86	51.86
T (Nmm)	11937.5	39947.1	149529.5	146583.1
u		3.56	3.90	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hữu Văn.....22011194

Class: K16-KTCĐT_3

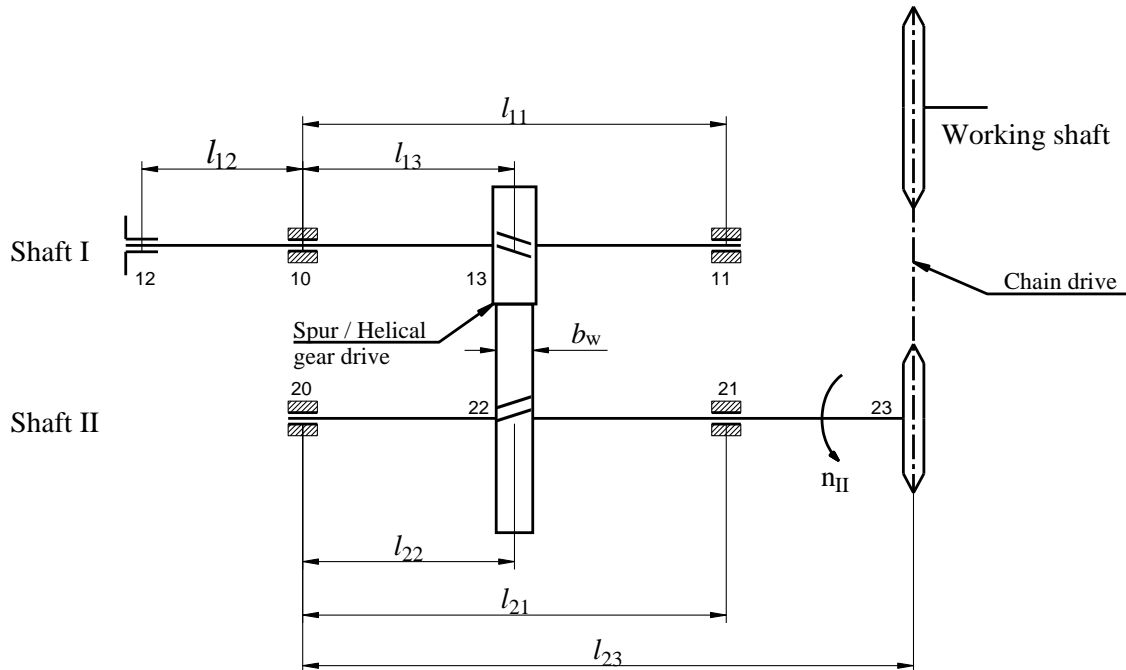
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H1

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 24000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the chain drive: 5°
Load property: Va đập nhẹ
Coupling force on the shaft: 66.32 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.7	0.686	0.659	0.633
n (rpm)	720	720.0	171.43	50.42
T (Nmm)	9284.7	9099.0	36711.5	119895.9
u		1	4.20	3.40

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Hà Việt Anh.....22011039

Class: K16-KTCĐT_3

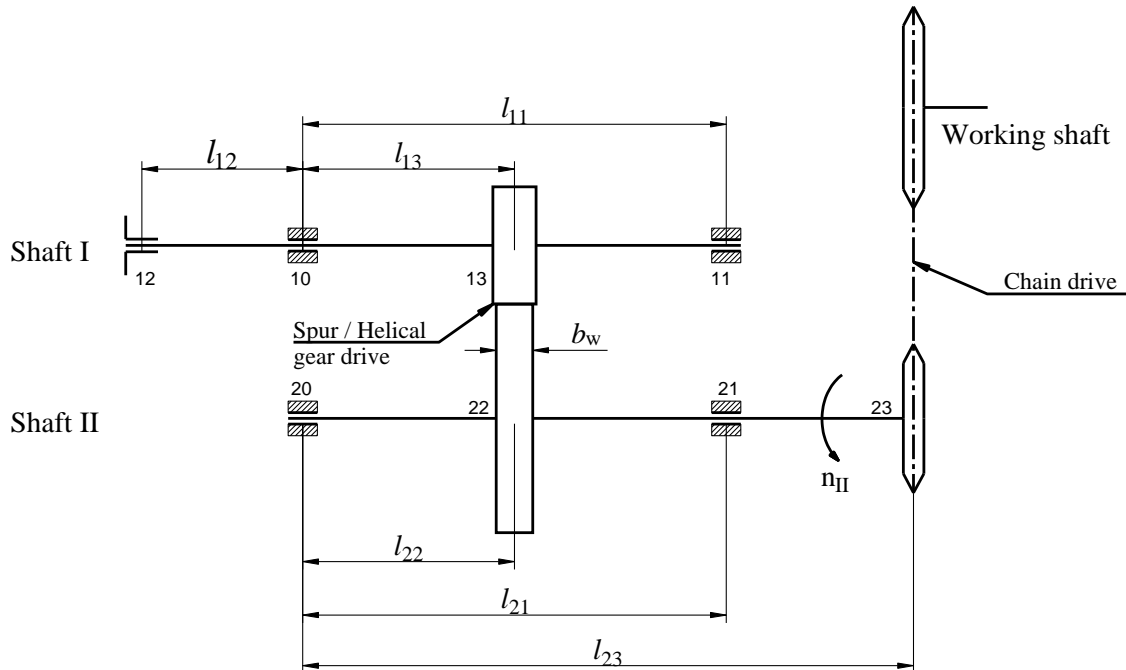
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H2

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 18000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 55°
Load property: Va đập vừa
Coupling force on the shaft: 29.01 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.7	0.686	0.659	0.633
n (rpm)	960	960.0	259.46	76.31
T (Nmm)	6963.5	6824.3	24256.0	79218.3
u		1	3.70	3.40

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Nguyễn Hùng Anh.....22010732

Class: K16-KTCĐT_1

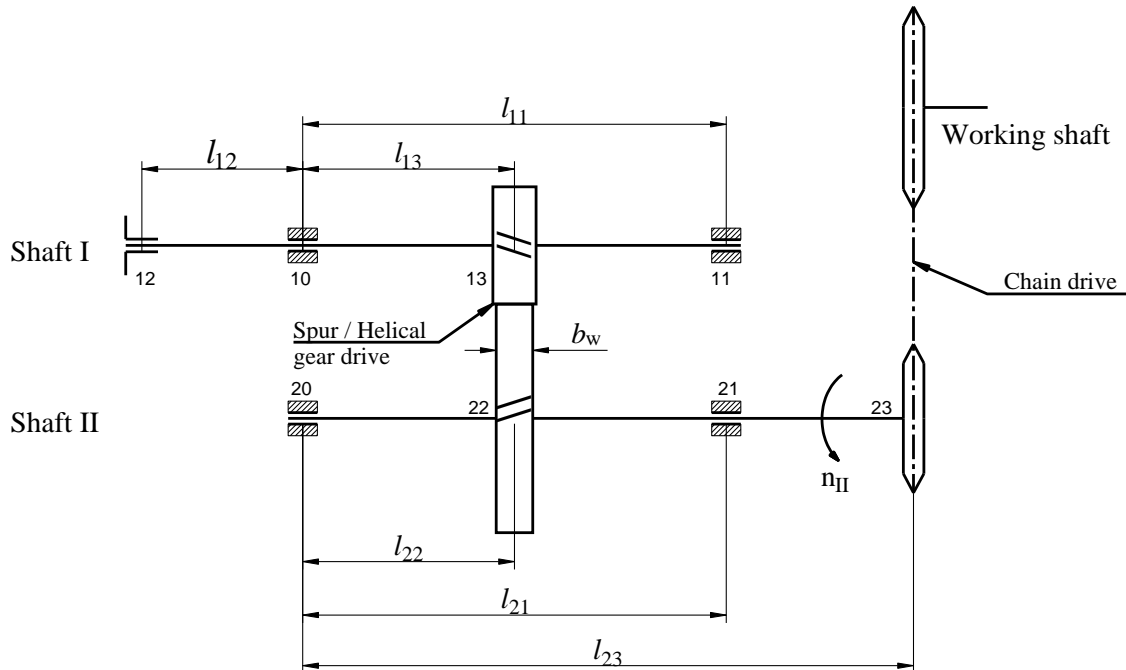
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H3

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 20000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 55°
Load property: \hat{E}_m
Coupling force on the shaft: 99.48 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.882	0.847	0.813
n (rpm)	720	720.0	194.59	69.50
T (Nmm)	11937.5	11698.8	41568.7	111714.4
u		1	3.70	2.80

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Chu Bång.....22010955

Class: K16-KTCĐT_3

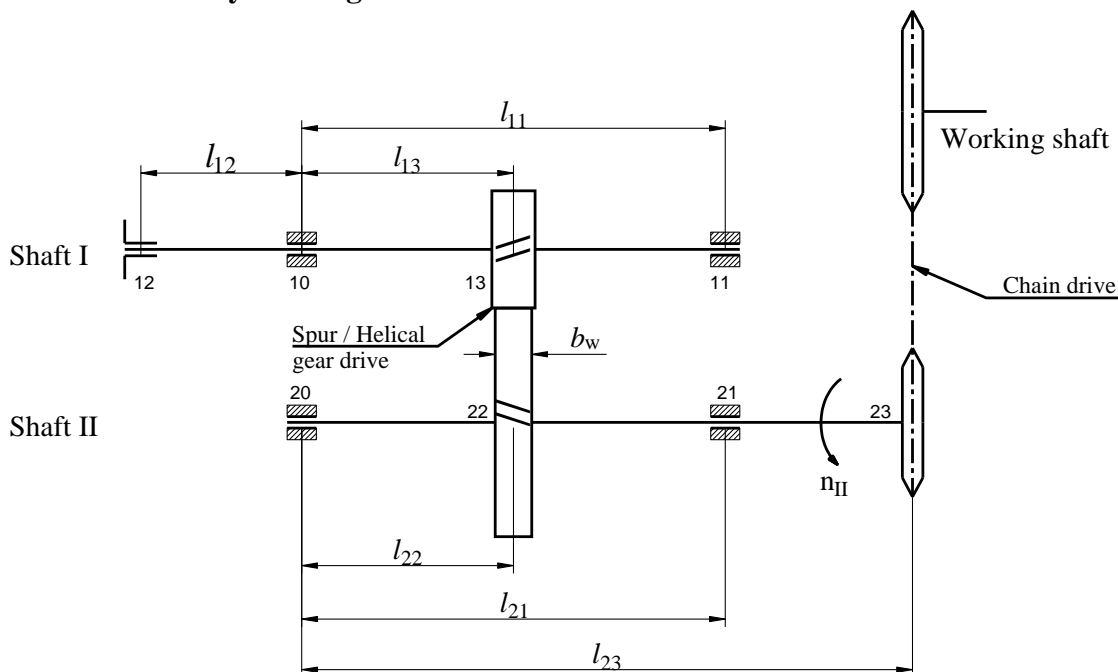
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H4

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 12000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 75°
Load property: Va đập vừa
Coupling force on the shaft: 72.35 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	720	720.0	180.00	90.00
T (Nmm)	15916.7	15598.3	59899.7	115024.4
u		1	4.00	2.00

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Duy Bình.....22010710

Class: K16-KTCĐT_2

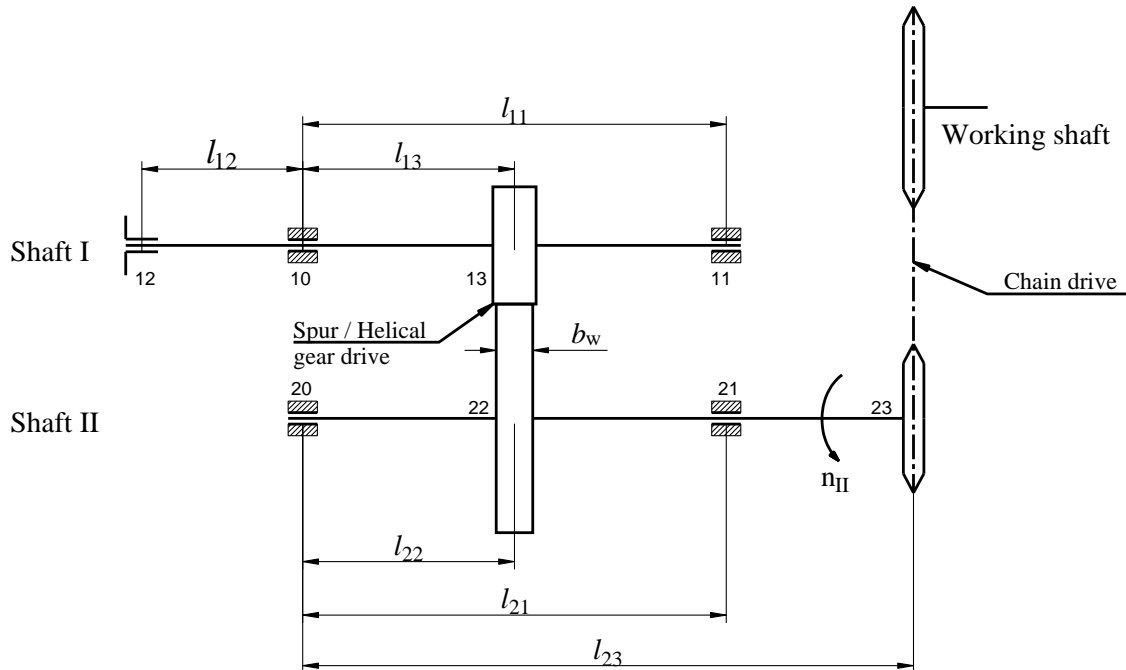
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H5

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 11000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 20°
Load property: Va đập nhẹ
Coupling force on the shaft: 88.43 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	720	720.0	180.00	75.00
T (Nmm)	15916.7	15598.3	59899.7	138029.3
u		1	4.00	2.40

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Phạm Quyết Chiến.....20010997**

Class: **K14-CĐT**

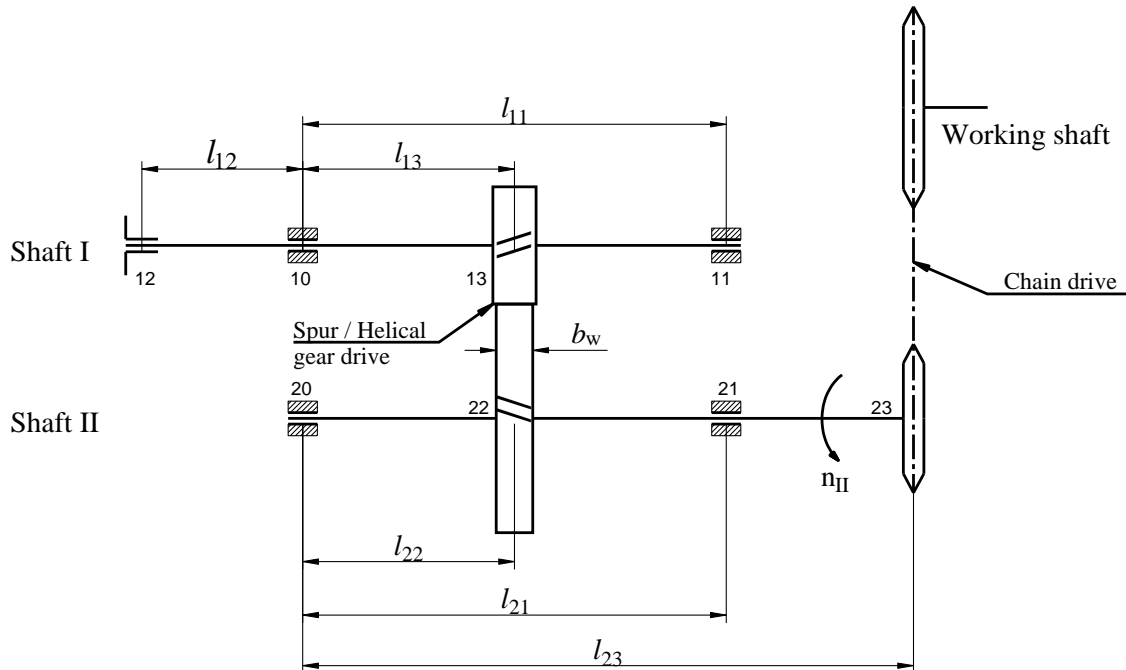
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H6

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 14000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 50°
Load property: \hat{E}_m
Coupling force on the shaft: 79.58 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	720	720.0	175.61	83.62
T (Nmm)	15916.7	15598.3	61397.1	123800.5
u		1	4.10	2.10

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Mạnh Dũng.....22010928

Class: K16-KTCĐT_2

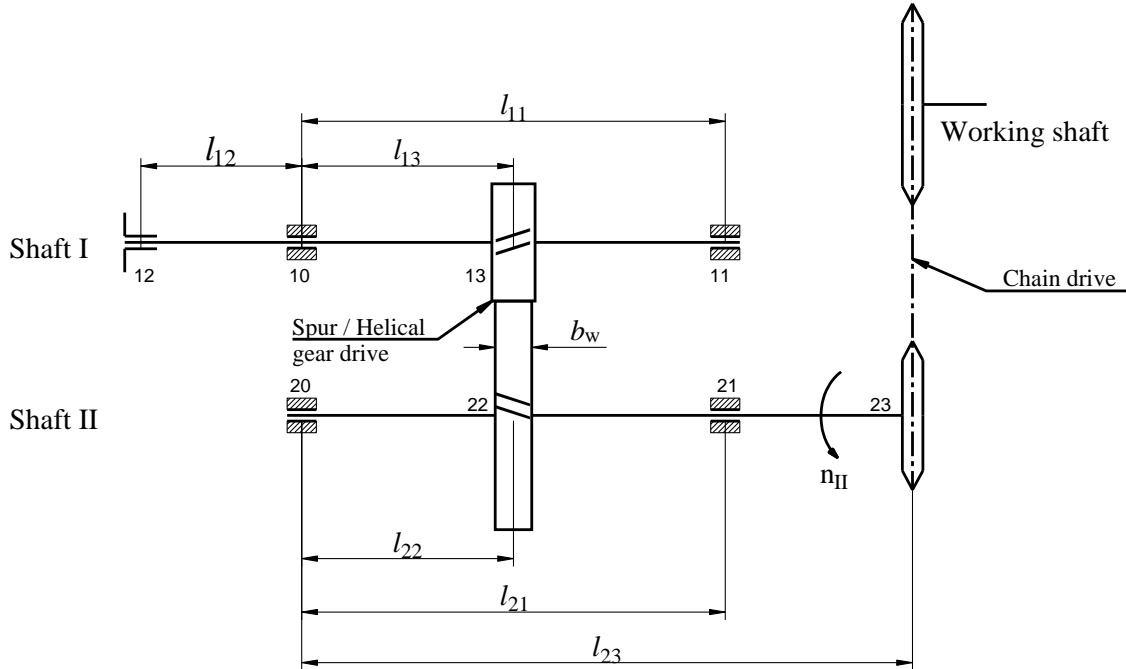
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H7

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 21000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 90°
Load property: Va đập vừa
Coupling force on the shaft: 18.30 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.5	0.490	0.471	0.452
n (rpm)	1450	1450.0	353.66	136.02
T (Nmm)	3293.1	3227.2	12718.6	31735.0
u		1	4.10	2.60

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Trần Văn Đạt.....22011214**

Class: **K16-KTCĐT_1**

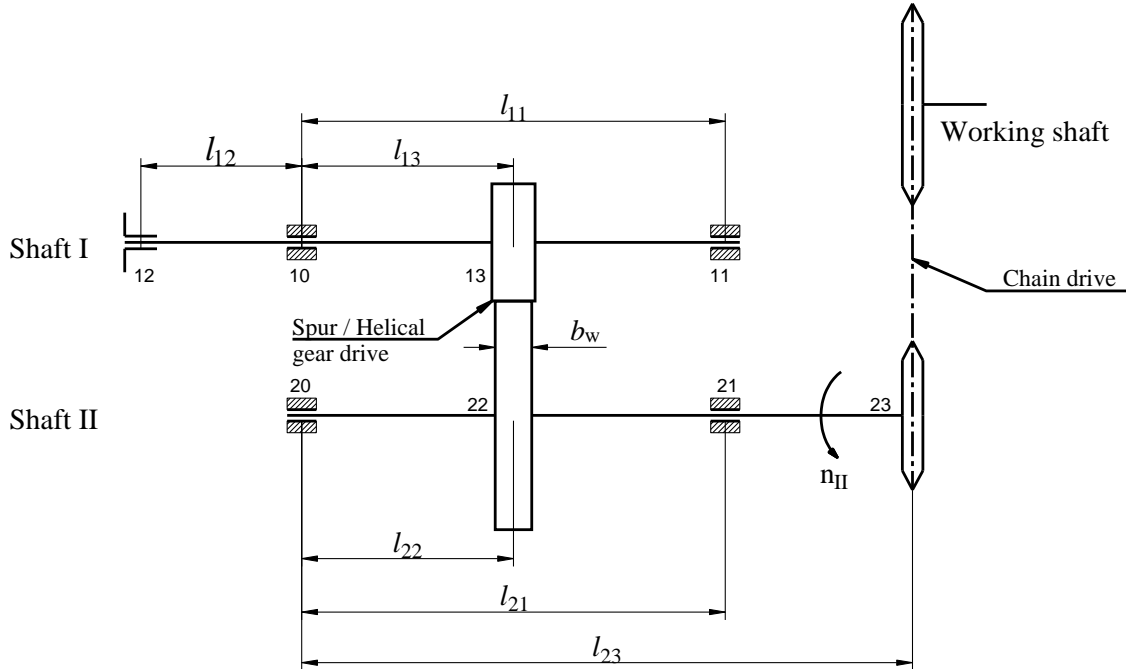
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H8

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 22000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 15°
Load property: Va đập vừa
Coupling force on the shaft: 94.74 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	720	720.0	171.43	68.57
T (Nmm)	13263.9	12998.6	52421.1	125903.5
u		1	4.20	2.50

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Đặng Duy Hiếu.....22014152**

Class: **K16-KTCĐT_2**

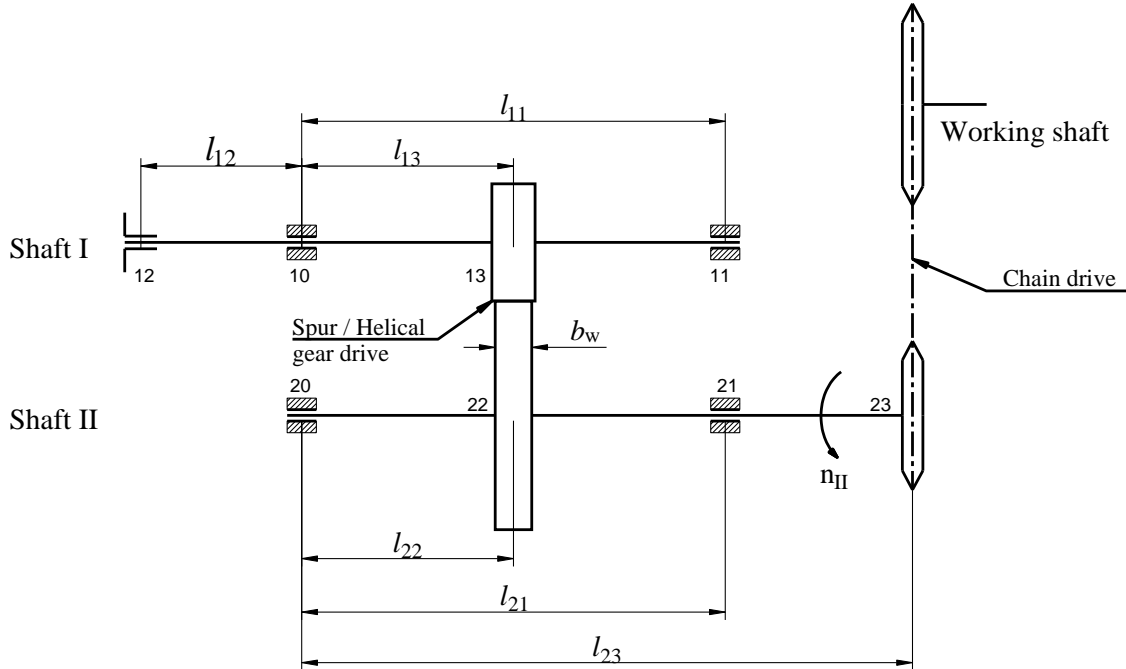
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H9

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 15000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 35°
Load property: \hat{E}_m
Coupling force on the shaft: 32.93 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	1450	1450.0	353.66	101.05
T (Nmm)	6586.2	6454.5	25410.1	85434.9
u		1	4.10	3.50

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Như Hoà.....20011003

Class: K14-CĐT

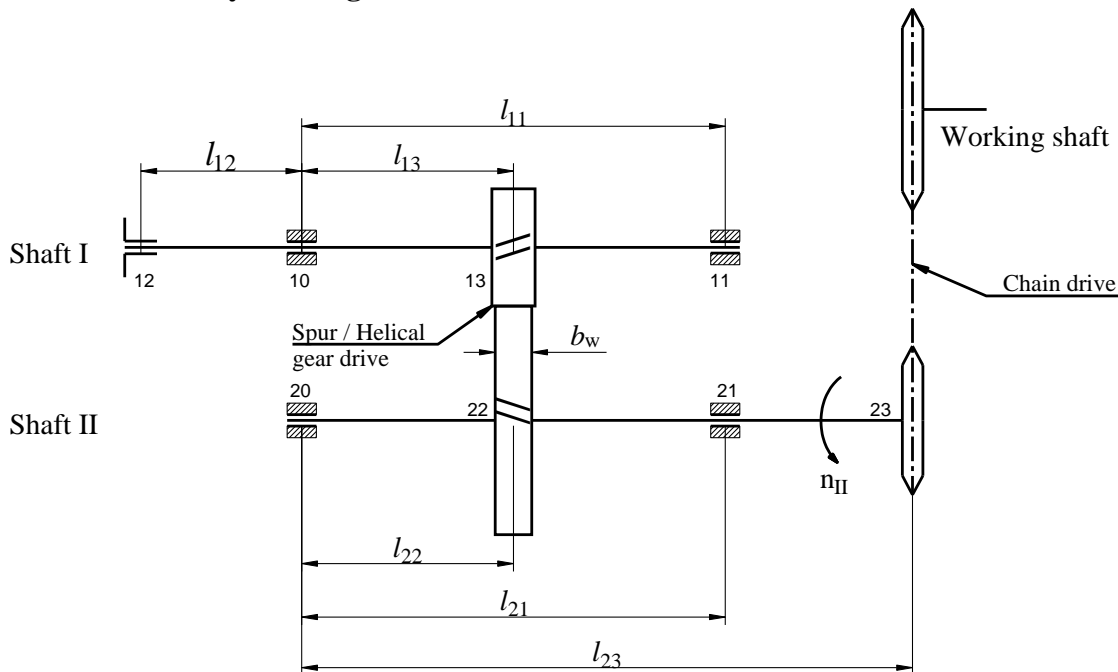
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H10

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 22000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 10°
Load property: Va đập vừa
Coupling force on the shaft: 42.63 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.588	0.565	0.543
n (rpm)	960	960.0	259.46	112.81
T (Nmm)	5968.8	5849.4	20796.1	45968.0
u		1	3.70	2.30

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Ngô Sinh Hùng.....20011004**

Class: **K14-CĐT**

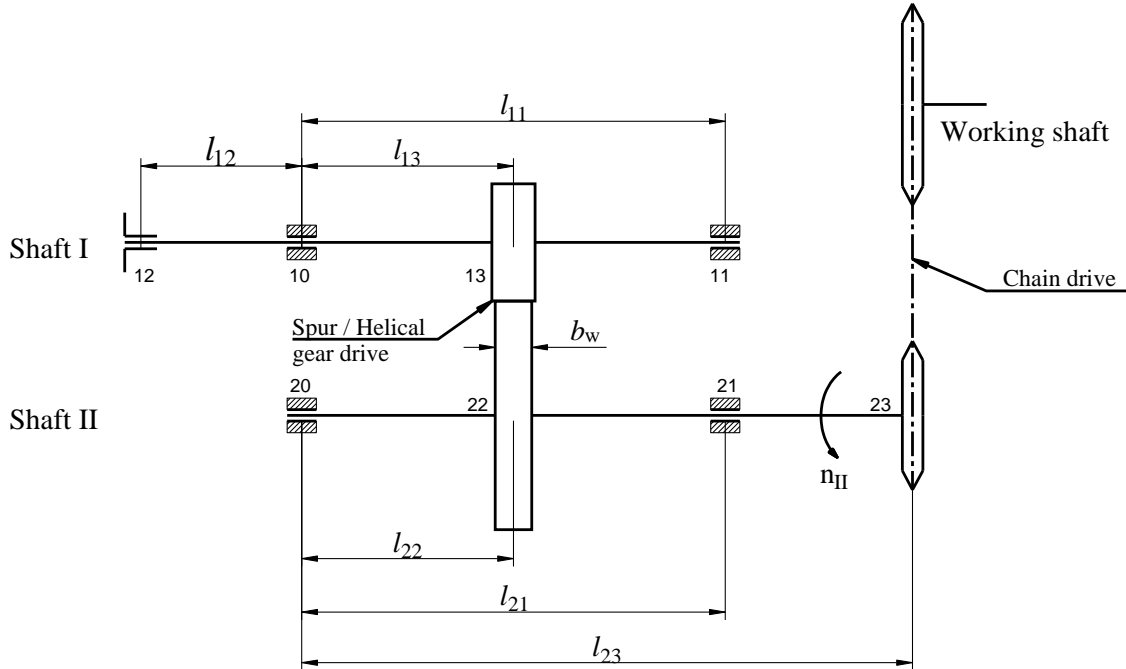
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H11

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 25000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 50°
Load property: Va đập nhẹ
Coupling force on the shaft: 45.59 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.1	1.078	1.035	0.994
n (rpm)	960	960.0	246.15	111.89
T (Nmm)	10942.7	10723.9	40155.4	84839.6
u		1	3.90	2.20

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Ngô Thế Hương.....22010538

Class: K16-KTCĐT_2

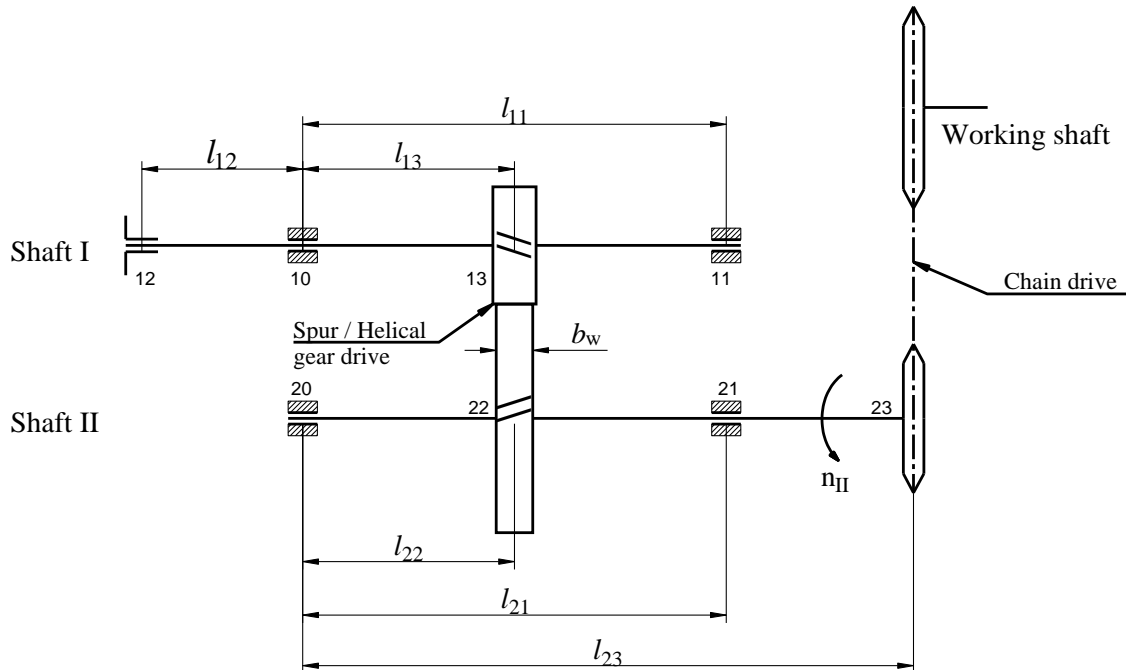
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H12

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 14000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the chain drive: 90°
Load property: Va đập vừa
Coupling force on the shaft: 132.64 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	720	720.0	189.47	72.87
T (Nmm)	15916.7	15598.3	56905.8	142063.9
u		1	3.80	2.60

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Nam Khánh.....22010856

Class: K16-KTCĐT_1

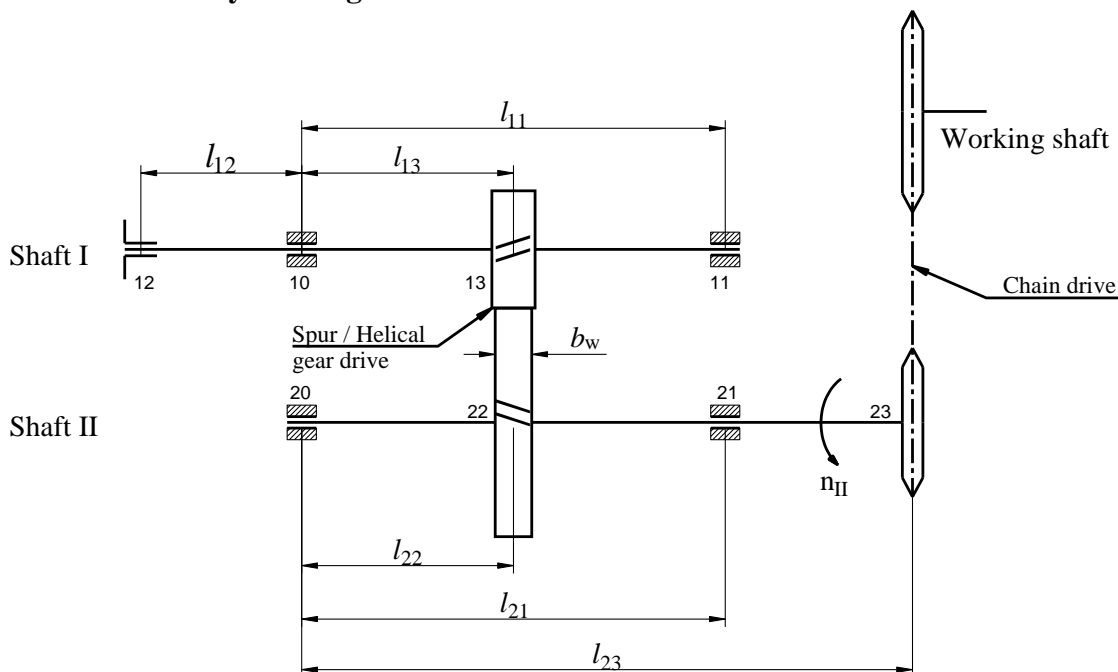
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H13

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 25000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 75°
Load property: Va đập vừa
Coupling force on the shaft: 32.93 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	1450	1450.0	391.89	145.14
T (Nmm)	7903.4	7745.4	27512.7	71325.6
u		1	3.70	2.70

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Hoàng Đức Long.....22010790**

Class: **K16-KTCĐT_2**

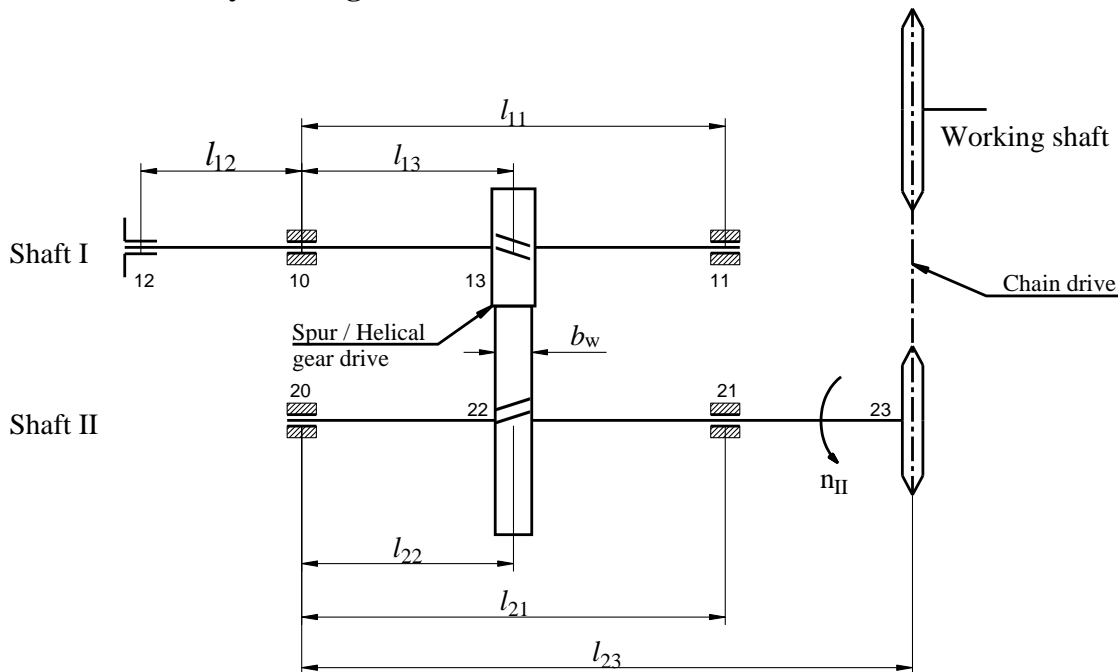
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H14

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 15000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 50°
Load property: \hat{E}_m
Coupling force on the shaft: 33.16 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.5	0.490	0.471	0.452
n (rpm)	720	720.0	160.00	72.73
T (Nmm)	6631.9	6499.3	28112.8	59351.0
u		1	4.50	2.20

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Vũ Hữu Lộc.....22011006**

Class: **K16-KTCĐT_3**

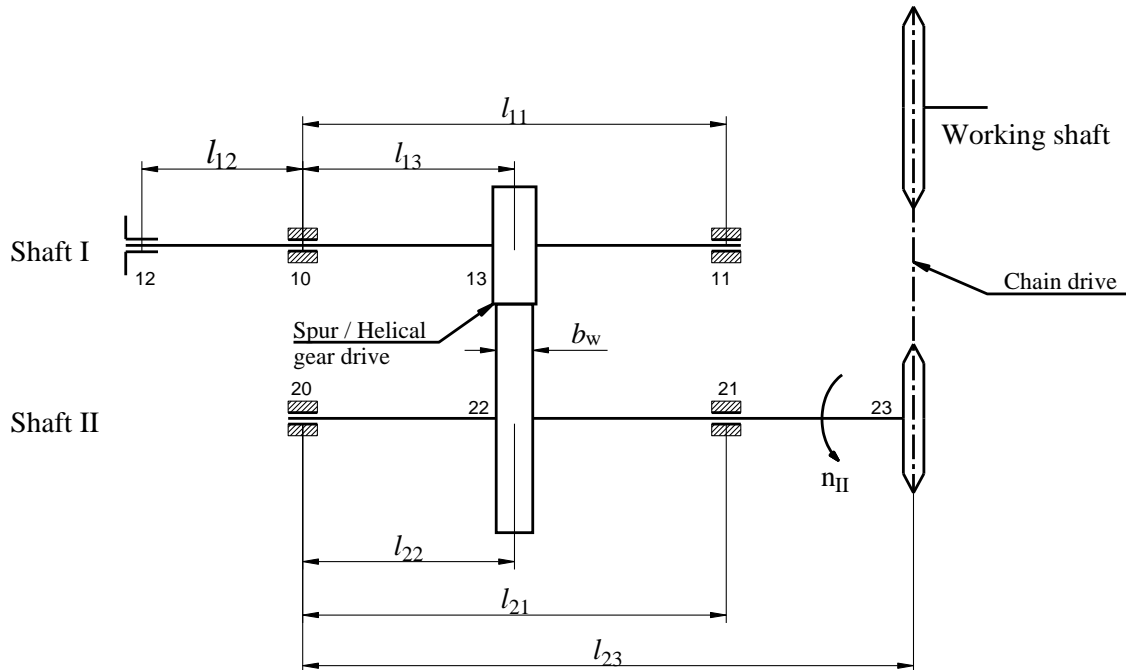
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H15

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 23000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the chain drive: 85°
Load property: Va đập nhẹ
Coupling force on the shaft: 99.48 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.2	1.176	1.129	1.084
n (rpm)	720	720.0	184.62	80.27
T (Nmm)	15916.7	15598.3	58400.8	128967.2
u		1	3.90	2.30

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Vũ Trí Minh.....22010944**

Class: **K16-KTCĐT_3**

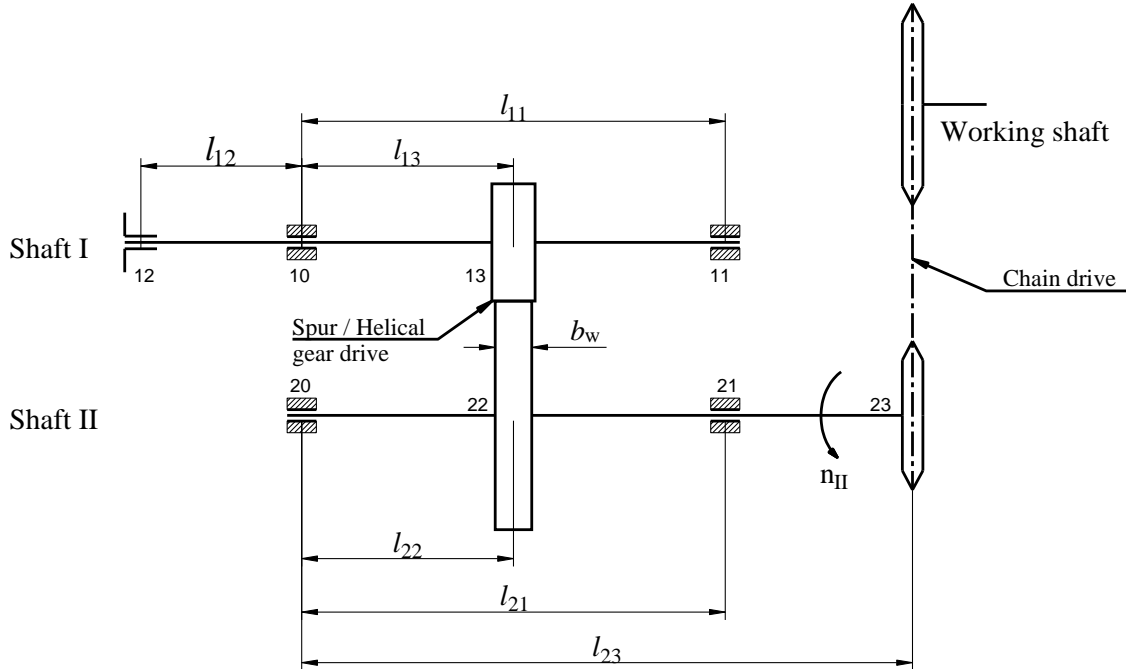
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H16

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 22000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 90°
Load property: Va đập nhẹ
Coupling force on the shaft: 45.22 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	960	960.0	234.15	90.06
T (Nmm)	9947.9	9749.0	38379.5	95860.5
u		1	4.10	2.60

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Quang Phúc.....22010934

Class: K16-KTCĐT_3

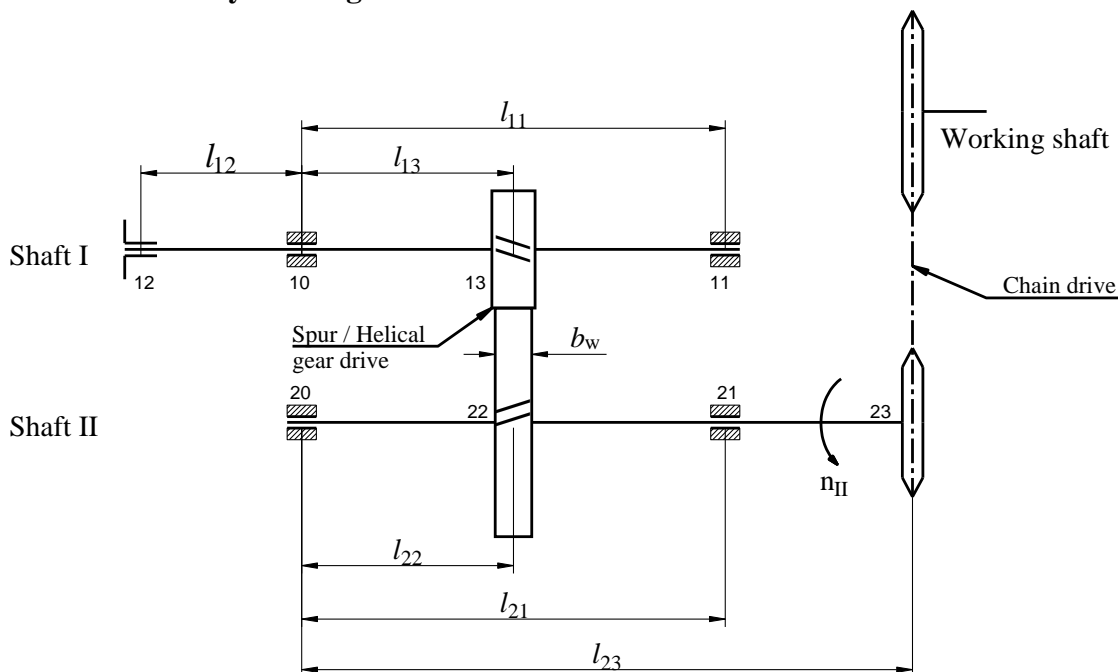
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H17

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 12000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 60°
Load property: Va đập vừa
Coupling force on the shaft: 54.89 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	1450	1450.0	381.58	181.70
T (Nmm)	6586.2	6454.5	23550.9	47513.5
u		1	3.80	2.10

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: Phan Bảo Quốc.....22010591

Class: K16-KTCĐT_1

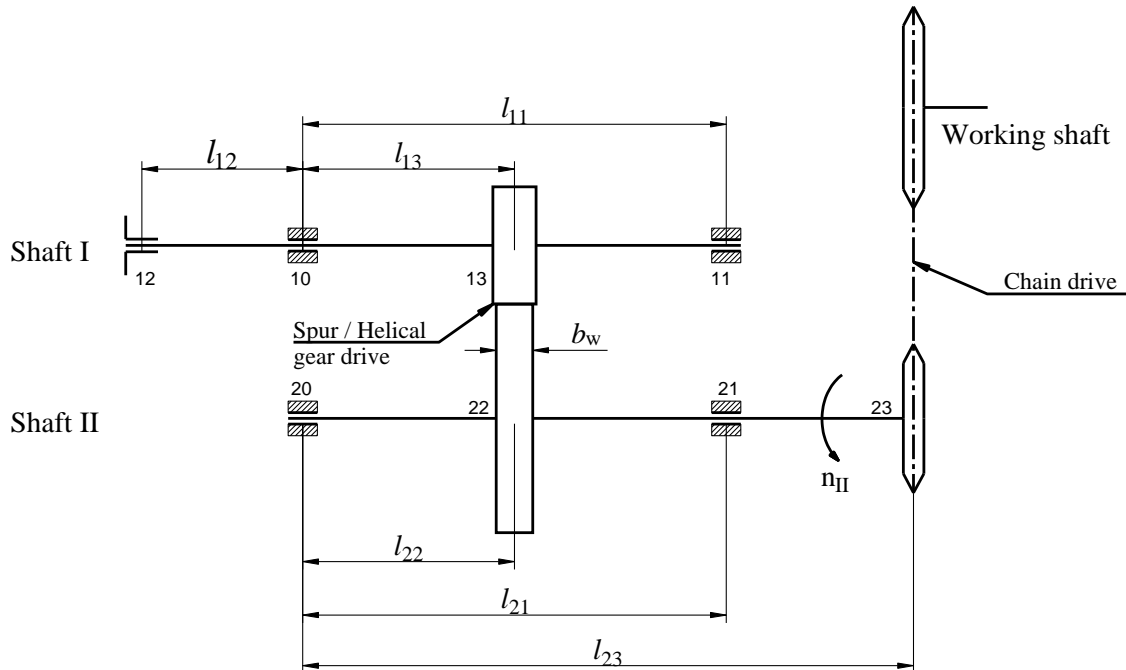
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H18

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 24000$ (hour)
Number of shifts: 1 (shift)
The tilt angle of the center line of the chain drive: 85°
Load property: Va đập nhẹ
Coupling force on the shaft: 60.37 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.1	1.078	1.035	0.994
n (rpm)	1450	1450.0	345.24	111.37
T (Nmm)	7244.8	7099.9	28630.1	85235.7
u		1	4.20	3.10

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 2
- + Presenting the report on paper with A4 size.

Student: **Vũ Đức Thành.....22010922**

Class: **K16-KTCĐT_2**

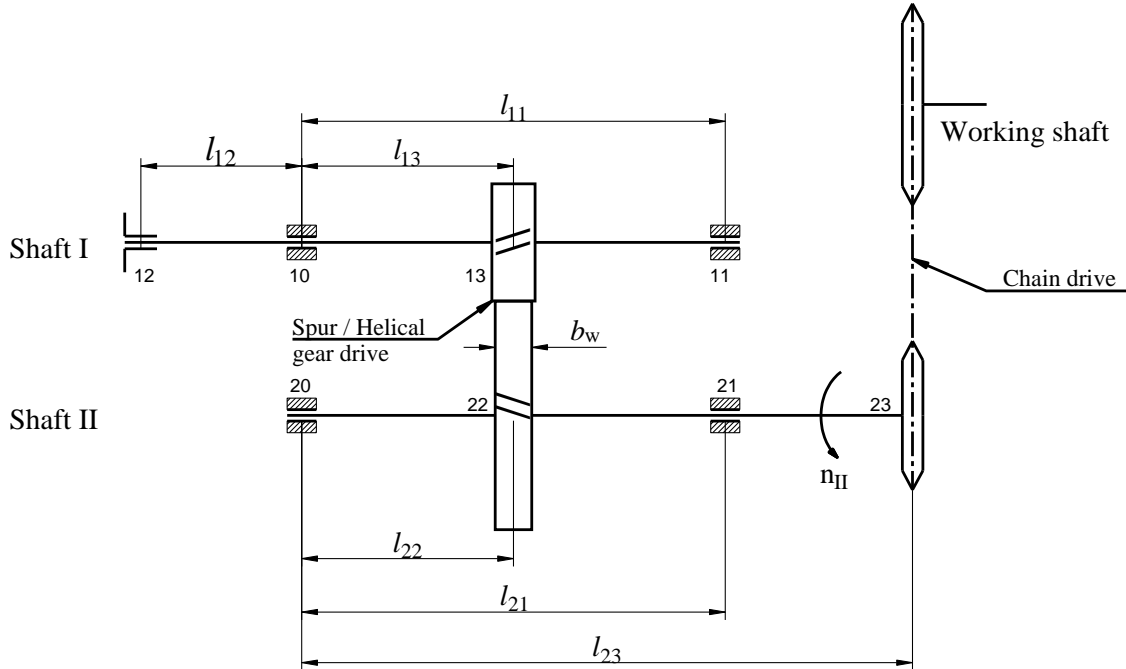
Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H19

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 10000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 25°
Load property: \hat{E}_m
Coupling force on the shaft: 49.74 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	960	960.0	252.63	120.30
T (Nmm)	9947.9	9749.0	35572.0	71763.9
u		1	3.80	2.10

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Văn Thịnh.....22010640

Class: K16-KTCĐT_1

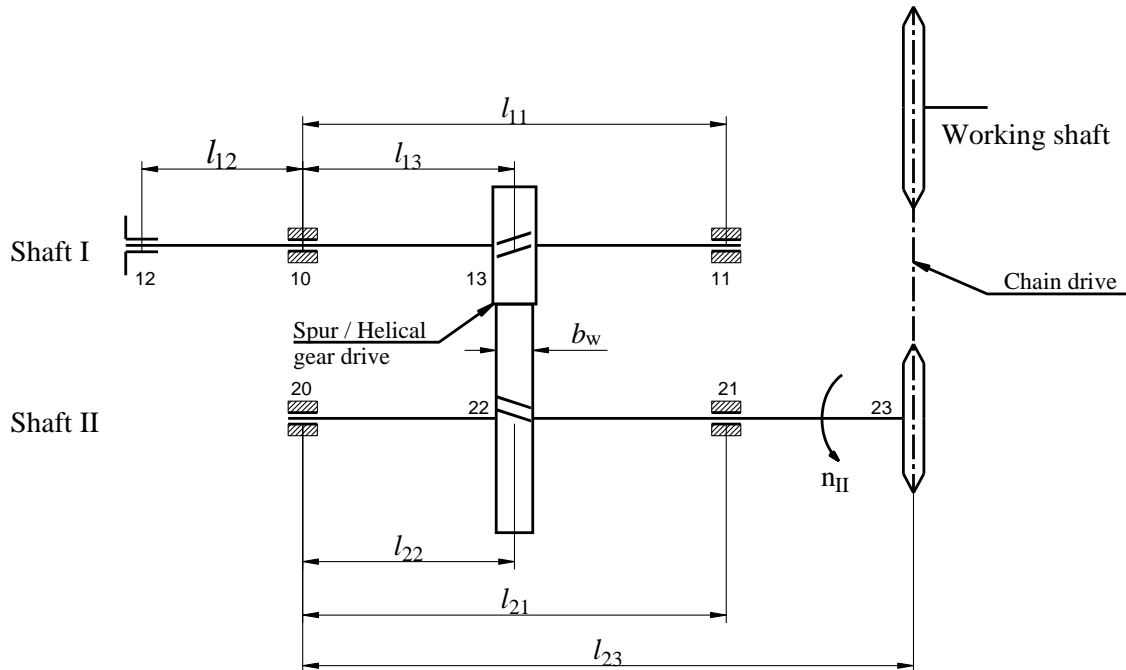
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H20

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 19000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the chain drive: 10°
Load property: \hat{E}_m
Coupling force on the shaft: 29.94 (N)

Shaft Params	Motor	I	II	Working
P (kW)	1.0	0.980	0.941	0.904
n (rpm)	1450	1450.0	391.89	111.97
T (Nmm)	6586.2	6454.5	22931.3	77102.8
u		1	3.70	3.50

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: Nguyễn Văn Tiến.....22014512

Class: K16-KTCĐT_2

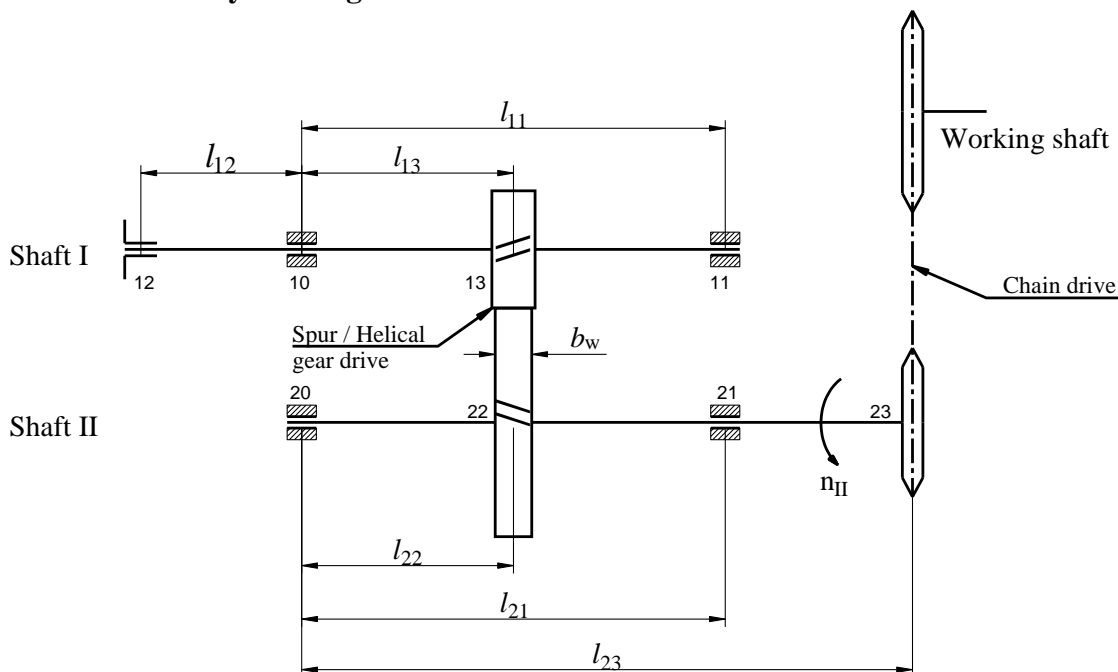
Instructor: Vũ Lê Huy

DEAN
(sign and full name)

LECTURER
(sign and full name)

Project number: 2/P.MEM16.H21

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 16000$ (hour)
Number of shifts: 3 (shift)
The tilt angle of the center line of the chain drive: 35°
Load property: Va đập nhẹ
Coupling force on the shaft: 74.61 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.9	0.882	0.847	0.813
n (rpm)	720	720.0	171.43	81.63
T (Nmm)	11937.5	11698.8	47184.6	95113.9
u		1	4.20	2.10

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the chain and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Đào Tiến Tuấn.....22010619**

Class: **K16-KTCĐT_2**

Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)