



瑞勇寬幅皮帶無段變速輪

Reyon Stepless Variable Speed Pulleys

Made In Taiwan



AP



BP



BELT



ABP

Features of Variable Speed Pulleys

- The main body is cast-made by FC 25, machined by a CNC lathe and processed carefully in unity. The assembled parts are further precisely ground and the surfaces, chromoplated.
- The shaft attachments are made of S45C medium carbon steel, processed and finished with precision, and treated by hard chromium.
- The special lubricant stored with in the unit is to ensure its durability, easy maintenance and lasting service.
- **REYON** variable speed pulleys are suitable for speed shifting mechanism of various industrial machineries. Proper utilization may promote the productivity, save the energies and increase the industrial profits.
- The unit is built with heavy duty bearings, permitting for long time, high speed running. Changing speed is convenient to make without stop of the machine. The speed selector knob is graduated for reading out the speed setting and running direction indicating.
- Expertly manufactured, **REYON** variable speed pulleys are excellent in quality and reasonably priced. Your kind inquiries will be appreciated and treated always with strict confidence.

Introduction to the Principles of Kosmos Stepless Variable Speed Pulleys

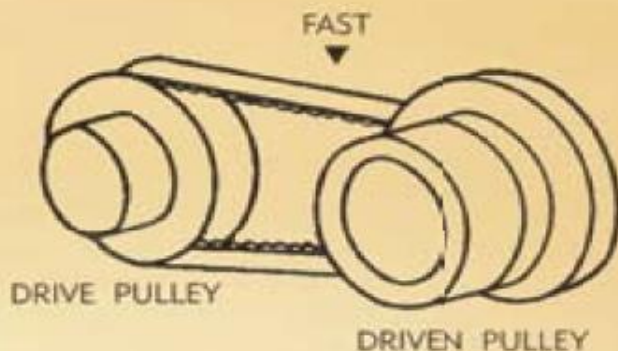
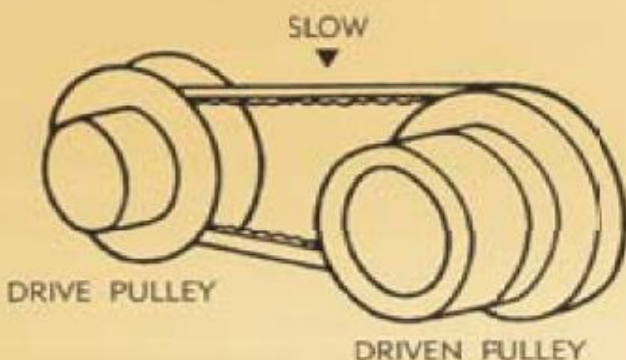
- By means of the breadth of 2 V-shaped grooves, separately mounted on the drive end (i.e, motor shaft) and driven end (i.e., power input shaft of the decelerator), the adjustable belt pulleys are made possible.
- There is a stepless variable speed belt installed within the V-shaped grooves connecting the two pulleys to transmit the speed rate and moment of force.

Upon one side of the V-shaped groove of the pulley, a traversable controller is mounted respectively (AP pulley is manually controlled, and BP pulley automatically adjusted by the spring).

The related speed rate and moment of force may spontaneously secure the variable value of transmission by changing the effective contacting radiuses of the V-shaped grooves.

Speed Changing Instruction for Variable Speed Pulley

- Normally, the AP pulley is mounted at the drive end while the BP wheel is installed at the driven end for speed change during rotation (speed change in stop motion is prohibited). There is a black hand wheel on the external part of the AP wheel. When it is turned clockwise, the power output speed will be reduced, and vice versa. Cross transmission is possible for both directions at the same time. When changing the speed, simply turning the speed selector knob to change the distance between the driven and drive pulley for changing the belt position on pulley. It gives a wide range of speed variation, and very easy to operate.



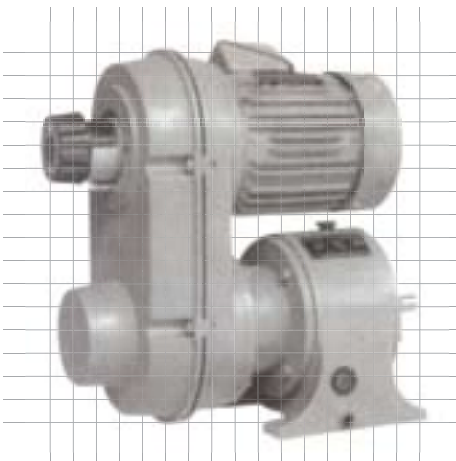
ABP TABLE OF RELATED DATA TO ABP VARIABLE SPEED PULLEYS

TYPE	HP	SIZE	BELT SIZE WHEELBASE	SPEED RATE	BELT SIZE WHEEL BASE		HAND WHEEL ROUNDS	SIDE PULLEY TRAVEL RANGE (MM)	PRICE
05-ABP	1/2	AP-125 BP-124	<u>1422V240</u> 163	1 : 3.5	<u>1422V270</u> 200	<u>1422V300</u> 242	6.5	13	
1-ABP	1	AP-140 BP-155	<u>1422V270</u> 172	1 : 4	<u>1422V300</u> 214	<u>1422V330</u> 252	7.5	15	
2-ABP 3-ABP	2 3	AP-155 BP-185	<u>1922V298</u> 182	1 : 4	<u>1922V321</u> 211	<u>1922V338</u> 235	8.8	17.5	
5-ABP	5	AP-185 BP-215	<u>2322V396</u> 266	1 : 4	<u>2322V441</u> 316	<u>2322V481</u> 363	10	22	
7.5 ABP	7.5-10	AP-225 BP-224	41-22-1163	1 : 4	—	—	12	24	

SPECIFICATION OF TYPE AP/BP

Model	HP	SIZE OF TYPE AP											SIZE OF TYPE BP										
		A1	M1	L1	B	Q	T	D1	W1	U1	max. PD.	min. PD.	(Kg)	A2	M2	L2	D2	W2	U2	max. P.D.	min. P.D.	X	kg
02-ABP	1/4	90	70	141	Ep10	10	67	11 14	-	-	85	34.5	1.3	105	76	93	12 15	4 5	14 17.5	100	53	3.5	1.6
05-ABP	1/2	125	87	168	58	13	108	14 16	5	16.5 18.5	117	58	3.4	124	76	124	15 18	5	17.5 20.5	118	62	9.5	2.2
1-ABP	1	140	87	173	58	16	111	-19 -22 -24	-6 -7 -8	-22 -25.5 -28	132	58	3.9	155	94	150	18 22	5 7	20.5 25.5	148	77	12	3.7
2-ABP	2	155	87	203	58	17	140	24	8	28	145	60	4.4	185	104	177	22 25	7	25.5 28.5	177	100	15	6.3
3-ABP	3	155	87	203	58	17	140	28	8	32	145	60	4.4	185	104	177	25	7	28.5	177	100	15	6.3
5-ABP	5	185	87	228	58	18	160	28	8	32	173	70	6.3	215	104	200	28 30	7	28.5 31.5	214	125	23	8.9
7.5 ABP	7.5 10	225	82	320	80	34	145	38	10	43	-	-	11.3	224	164	185	35	10	38.5	-	-	-	10

Note : 1. Q size of AP-02 varies slightly as of a vertical column of ø10 x L40.
2. Size are subject to modification without prior notice.



Gear Reducer with Variator

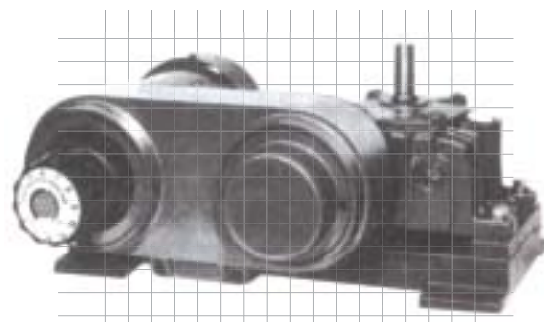
MGV



Worm Gear Reducer with Variator

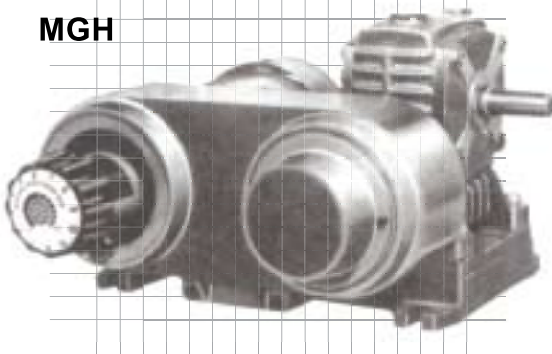


Variable Speed Unit of BS



Variable Speed Unit (Upper Shaft Worm)

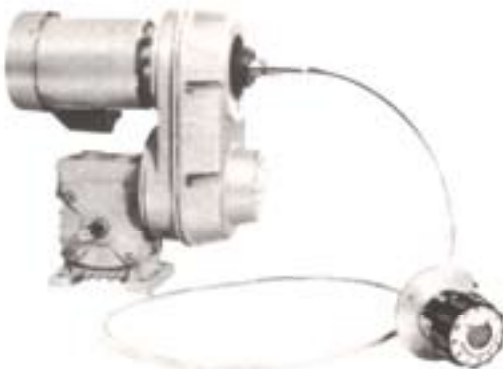
MGH



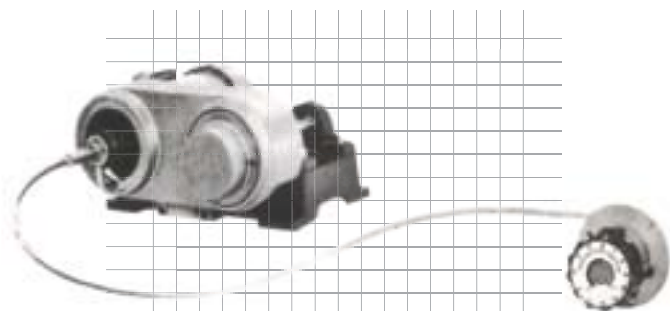
Gear Reducer Variable Speed Unit



Variable Speed Unit (Driven Shaft)



Variable Speed Unit (with Control)



Variable Speed Unit (with Control)