



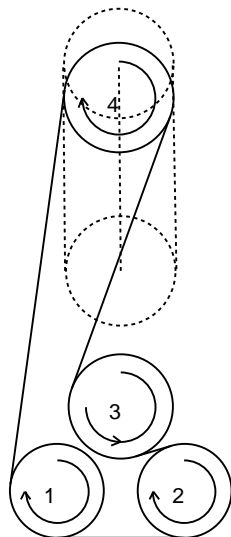
Design IQ <sup>TM</sup>  
By Gates Corporation  
Ver. 3.23/3.23/255  
Printed 2011-09-09

## Szczegółowy raport Drive

Designed for:  
Zaprojektowane przez:  
Zastosowanie:

Designed for: Magmar

Designed by:



### Belt Data: (mm)

Selected Belt: PowerGrip Twin Power 5M-HTD  
Pitch Length: 425,00 mm (85 Teeth)  
Belt Width: 17,00

### Layout Data: (mm)

	X	Y	Diameter	Ratio	Wrap Angle	Arc Length	Span Length
1	0,00	0,00	18,00 Grooves (27,50 OD)	1,0	97,83° (4,90 T)	24,46 (4,90 T)	39,00 (7,80 T)
2	39,00	0,00	18,00 Grooves (27,50 OD)	1,0	196,60° (9,80 T)	49,15 (9,80 T)	11,33 (2,30 T)
3	19,50	25,74	20,00 Grooves (30,69 OD)	1,1	-126,50° (7,00 T)	35,14 (7,00 T)	88,44 (17,70 T)
4	18,91	120,01	21,00 Grooves (32,28 OD)	1,2	192,06° (11,20 T)	56,02 (11,20 T)	121,46 (24,30 T)
Slot Min.: 19,51 / 67,30 --- Slot Max.: 18,79 / 130,68							

### Detailed Idler Data: (mm)

\* Note: The 'Usable Range' is the idler range between the Minimum Installation and Maximum Take Up

Pulley 4  
Type: Slotted  
Slot Min.: 19,51 / 67,30 --- Slot Max.: 18,79 / 130,68

Usable Range*		Install Position	Install Length	Take Up Position	Take Up Length
Min	Max				
19,20 / 94,38	18,81 / 128,94	19,20 / 94,85	377,25 mm	18,89 / 121,68	428,24 mm

### Dynamic Data: (kW)

Condition	Driver Pulley	Driver RPM	Time %	Rot.	Belt Speed m/s	Pulley →			
						1	2	3	4
1	1	300	100	CW	0,4	0,1	0	0,1	0



Design IQ <sup>TM</sup>  
By Gates Corporation  
Ver. 3.23/3.23/255  
Printed 2011-09-09

## Szczegółowy raport Drive

Designed for:  
Zaprojektowane przez:  
Zastosowanie:

Designed for: Magmar

Designed by:

### Tensioning Information: (Force/Deflection)

Span:1 (1 - 2)

	New Belt		Used Belt *		Deflection
	Minimum	Maximum	Minimum	Maximum	
Installation Tension per belt	106 N	117 N	74,7 N	85,4 N	
Deflection Force per belt	7,39 N	8,06 N	5,39 N	6,06 N	0,609 mm

\* For used belts, the belt tension should be measured and recorded before removal so that the belt can be reinstalled at the same tension.