

SERIE 100

100 SERIES - SERIE 100

Rapporto di variazione 1:3

Variation ratio 1:3

Variationsverhältnis 1:3

serie 100

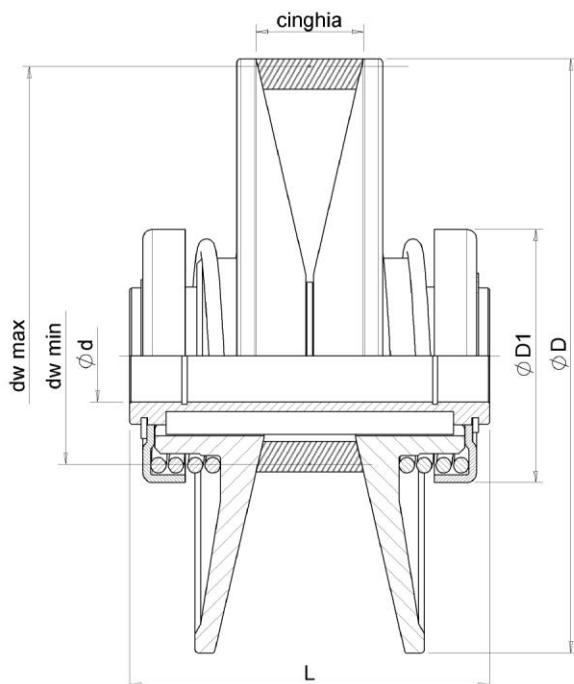


TABELLA DIMENSIONALE (mm) - DIMENSIONS TABLE - GRÖSSENTABELLE

GRANDEZZA SIZE GRÖSSE	95	110	120	155	180	220
Potenza (Kw) - Power - Motorleistung ⁽¹⁾	0,37	0,55	0,75	1,5	3	4
Sezione cinghia - Belt - Reimen	13x6	17x5	22x8	28x8	28x8	37x10
ϕd standard ⁽²⁾	14	14-19	14-19	19-24	24-28	28
ϕd max ⁽²⁾	20	20	22	25	30	30
ϕD	95	110	120	155	180	220
ϕD_1	58	58	58	66	85	85
dw min	40	38,5	48	50	58	61
dw max	92	107,5	116	151	176	215
L	65	72	72	94	110	125
Peso (kg) - Weight - Gewicht	1	1,4	1,6	2,5	4	5

(1) **MOTORI A 4 POLI 1400/1' - 4 POLES MOTORS 1400/1' - MOTOREN BEI 4 POLIG 1400/1'**

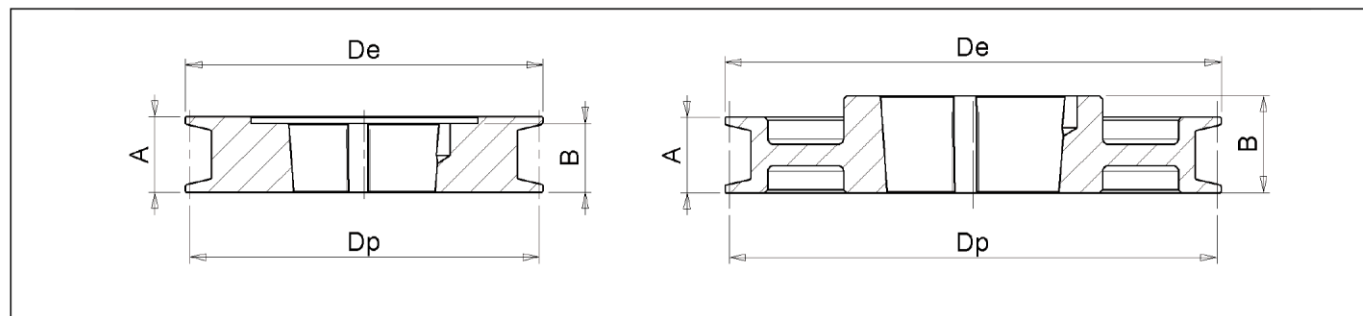
(2) **FORI - BORES - BOHRUNG: ISO H7**

CAVE - KEYWAYS - NUT: UNI 6604/69 - DIN 6885/1-3

DATI NON IMPEGNATIVI - NOT BINDING DATA - UNVERBINDLICHE DATEN

PULEGGE CONDOTTE

DRIVEN PULLEYS - ABTRIEBSRIEMENSCHLEIBEN



CINGHIA	GRAND	TAPER	De	Dp	A	B	Peso [kg] Weight [kg]
22x8	100	1610	99,6	95,6	28,0	25,0	0,60
	115		116,6	112,6	28,0	25,0	1,04
	130		129,6	125,6	28,0	25,0	1,44
	165	2012	164,6	160,6	28,0	32,0	2,89
	205		204,6	180,6	28,0	32,0	3,13
28x8	130	1610	130,5	126,5	35,0	25,0	1,65
	165	1615	165,5	161,5	35,0	32,0	3,33
	230	2517	229,5	225,5	35,0	45,0	4,91
	320		320,5	316,5	35,0	45,0	8,21
	455		455,5	451,5	35,0	45,0	8,18
37x10	185	2517	187,0	181,0	44,0	45,0	4,78
	230		231,0	225,0	44,0	45,0	5,44
	255		257,0	251,0	44,0	45,0	6,12
	320		322,0	316,0	44,0	45,0	8,66
47x12	165	2517	165,5	159,0	50,0	45,0	3,50
	230		229,5	223,0	50,0	45,0	4,92
	263		255,5	249,0	50,0	45,0	5,75
	285		285,5	279,0	50,0	45,0	6,80
	320	3020	320,5	314,0	50,0	51,0	12,55
	405		405,5	399,0	50,0	51,0	9,00
55x15	320	3020	322,0	314,5	63,0	51,0	9,45
	360	362,0	354,5	63,0	51,0	11,22	
	405	3535	407,0	399,5	63,0	89,0	17,06
	460		457,0	449,5	63,0	89,0	18,91
65x20	325	3535	325,0	314,6	80,0	89,0	16,56
	345		345,0	334,6	80,0	89,0	16,95
	365		365,0	354,6	80,0	89,0	17,70
	410		410,0	399,6	80,0	89,0	21,22
	460		460,0	449,6	80,0	89,0	23,08
70x20	365	3535	365,0	355,0	85,0	89,0	17,93
	410		410,0	400,0	85,0	89,0	21,58
	460		460,0	450,0	85,0	89,0	23,48
	510		510,0	500,0	85,0	89,0	26,09

Per determinare i dati necessari al dimensionamento di una trasmissione ad interasse fisso risulterà comodo utilizzare le formule sottoelencate.

1. Determinazione dello sviluppo interno della cinghia

Considerando che i d_w riportati sul catalogo per convenzione sono calcolati come segue:

To determine the data required to size a transmission with fixed axle base, it is convenient to use the formulas given below.

1. Determination of the internal belt development

Considering that the d_w indicated in the catalogue are normally calculated as follows:

Zur Bestimmung der zur Bemessung eines Getriebes mit festem Achsenabstand erforderlichen Daten ist es zweckmässig, unten aufgeführte Formeln anzuwenden.

1. Bestimmung der Innenabwicklung des Riemens

Unter Berücksichtigung der Tatsache, dass die im Katalog angegebenen d_w laut Konvention wie folgt berechnet werden:

$$h_w = 0,25h$$



- 1.1 Determinare "di min" e "Di max" delle pulegge.
 1.2 Calcolare lo sviluppo interno teorico della cinghia:

- 1.1 Determine the "min. di" and "max. Di" of the pulleys.
 1.2 Calculate the theoretical internal development of the belt:

- 1.1 "di min." und "Di max." der Riemscheiben bestimmen.
 1.2 Die theoretische Innenabwicklung des Riemen angegebene d_w laut Konvention wie folgt berechnet werden:

$$L_i = 2A + \pi/2 (d_i + D_i) + \frac{(d_i - D_i)^2}{4A}$$

- dove: A = interasse del variatore.
 d_i = diametro interno minimo contatto cinghia puleggia motrice.
 D_i = diametro interno massimo contatto cinghia puleggia condotta.
 L_i = sviluppo interno cinghia teorico.

- where: A = variator axle base.
 d_i = minimum internal diameter of belt driving pulley.
 D_i = maximum internal diameter of belt driven pulley.
 L_i = theoretical internal belt development.

- wo: A = Achsenabstand des Variators.
 d_i = minimaler Innendurchmesser Kontakt Riemen Antriebsriemscheibe.
 D_i = maximaler Innendurchmesser Kontakt Riemen angetriebene Riemscheibe.
 L_i = theoretische Innenabwicklung Riemen.

2. Determinazione della corsa di regolazione della slitta portamotore

Nel caso di trasmissioni con pulegge a doppia espansione (EDS e S100) e condotte fisse si determinerà la corsa della slitta procedendo come segue:

2. Determination of the adjustment stroke of the motor support slide

For transmission with two-way pulley expansion (EDS and S100) and fixed driven pulleys, the stroke of the slide is determined as follows:

2. Bestimmung der Einstellhub des Motorschlittens

Im Falle von Riemscheibenantrieben mit doppelter Spreizung (EDS und S100) und fester angetriebener Riemscheibe, wird die Hub des Schlittens wie folgt bestimmt:

$$A_{max} = 0,5 \left[L_i - \pi/2 (d_1 + D_2) - \frac{(d_1 - D_2)^2}{L_i} \right] \quad A_{min} = 0,5 \left[L_i - \pi/2 (D_1 + D_2) - \frac{(D_1 - D_2)^2}{L_i} \right]$$

$$A_{max} - A_{min} = \text{corsa/stroke/Hub}$$

- dove: d_1 = diametro interno minimo cinghia puleggia motrice.
 D_1 = diametro interno massimo contatto cinghia puleggia motrice.
 D_2 = diametro interno contatto cinghia puleggia condotta.
 L_i = sviluppo interno cinghia teorico.

- where: d_1 = minimum internal diameter of belt driving pulley.
 D_1 = maximum internal diameter of belt driving pulley.
 D_2 = internal diameter of belt driven pulley contact.
 L_i = theoretical internal belt development.

- wo: d_1 = minimaler Innendurchmesser Kontakt Riemen Antriebsriemscheibe.
 D_1 = maximaler Innendurchmesser Kontakt Riemen Antriebsriemscheibe.
 D_2 = Innendurchmesser Kontakt Riemen angetriebene Riemscheibe.
 L_i = Innenabwicklung Riemen.

Per ulteriori chiarimenti o per esecuzioni speciali contattate il nostro ufficio tecnico.

For further clarification or special versions, please contact our technical office.

Für weitere Erklärungen oder für Spezialausführungen wollen Sie sich bitte an unser technisches Büro wenden.