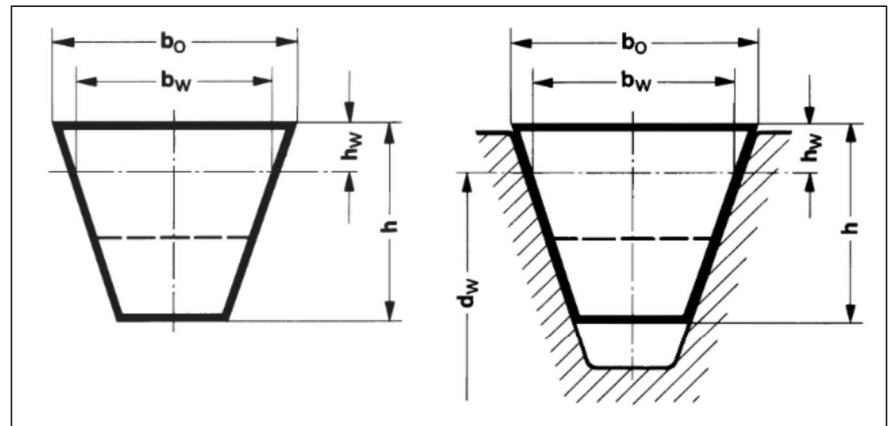


CONTI FO®-Z heavy-duty cogged raw edge V-belts



Belt dimensions

Fig. 1

Dimensional data

Table 3

Standard		DIN 2215/ISO 4184			DIN 7753 Part 1/ISO 4184			
Belt section	DIN symbol B.S./ISO symbol	5	6	8	XPZ SPZ	XPA SPA	XPB SPB	XPC SPC
Top belt width b_o	mm	5	6	8	10	13	16.5	22
Pitch width b_w	mm	4.2	5.3	6.7	8.5	11.0	14.0	19.0
Height of belt h	mm	3	4	5	8	9	13	17
Pitch height h_w	mm	1.3	1.6	2.0	2.0	2.8	3.5	4.8
Min. pulley pitch diameter $d_w \text{ min}^{1)}$	mm	16	20	31.5	50	63	100	160
Max. flexing frequency $f_{B \text{ max}}$	s ⁻¹	120	120	120	120	120	120	120
Max. belt speed v_{max}	m/s	50	50	50	50	50	50	50
Weight per metre	kg/m	0.015	0.023	0.041	0.072	0.112	0.192	0.370
Range of pitch length $L_w^{2)}$								
from	mm	171	285	171	590	590	1250	2000
to	mm	611	865	611	3550	3550	3550	3550
Length differential value from L_w ΔL	mm	11	15	19	–	–	–	–

¹⁾ d_w corresponds to the datum diameter d_f

²⁾ L_w corresponds to the datum length L_d

CONTI FO®-Z heavy-duty cogged V-belts are manufactured in a raw edge type. They are the culmination or consistent advances in V-belt technology. New designs and improved materials ensure great flexibility in the longitudinal direction and excellent transverse rigidity. So these belts meet the demanding requirements of modern power transmission systems and open up new applications for this type of V-belt in all areas of mechanical engineering.

Designation

CONTI FO®-Z heavy-duty V-belt XPZ 1400 L_w stands for a raw edge, cogged, narrow-section V-belt in accordance with DIN 7753 Part 1 that has section XPZ and pitch length 1400 mm and CONTI FO®-Z heavy-duty V-belt 6 x 450 stands for a raw edge, cogged, classical-section V-belt in accordance with DIN 2215 that has section 6 and inside length 450 mm.