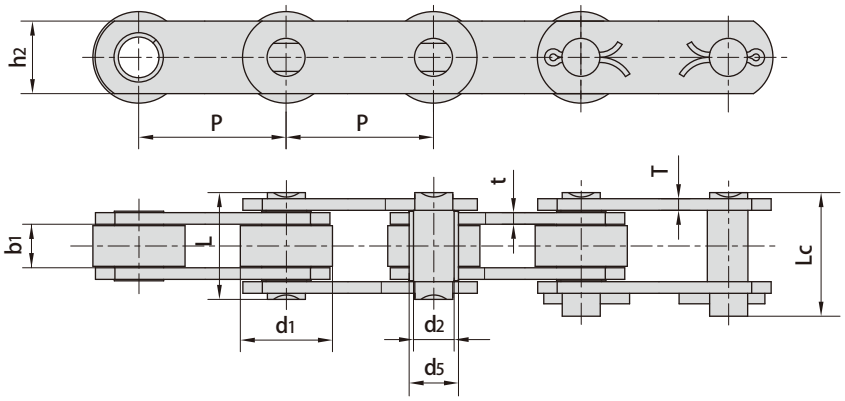
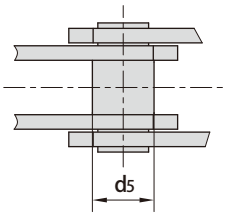
British Standard Conveyor Chain - Z Series

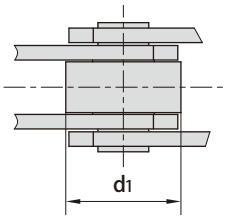
corresponding to BS 4116



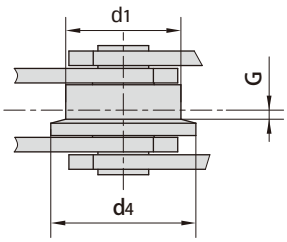
without rollers



with P large rollers type



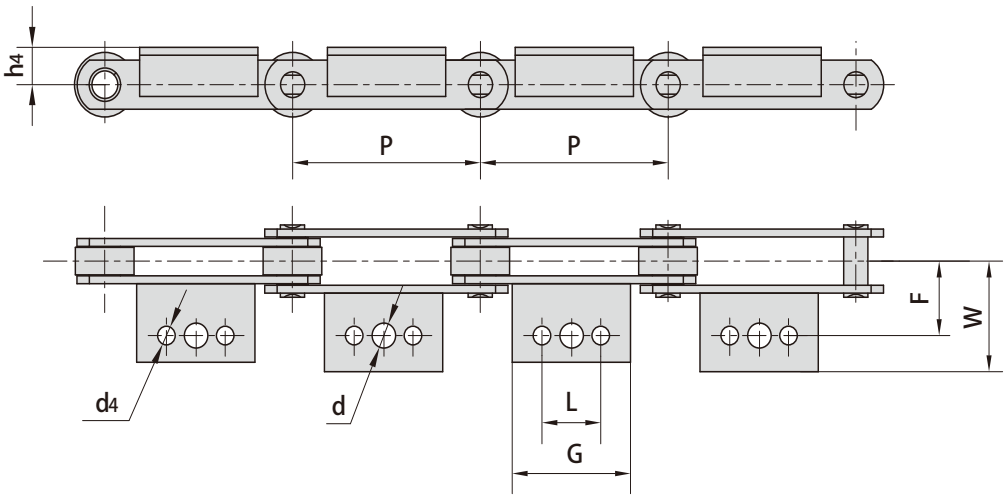
with F flanged rollers type



Chain No.	Pitch							Roller dimension			Bush diameter
	P mm							d_1 max mm	d_4 max mm	G mm	d_5 max mm
Z40	50.8	63.5	76.2	88.9	101.6	127.0	152.4	31.75	40.0	2.5	17.0
Z100	76.2	88.9	101.6	127.0	152.4	177.8	203.2	47.50	60.0	3.5	23.0
Z160	101.6	127.0	152.4	177.8	203.2	228.6	254.0	66.70	82.0	3.5	33.0
Z300	152.4	177.8	203.2	254.0	304.8	-	-	88.90	114.0	8.5	38.0

Chain No.	Width between inner plates	Pin diameter	Plate depth	Pin length		Plate thickness	Tensile strength	
	b_1 min mm	d_2 max mm	h_2 max mm	L max mm	Lc max mm	t/T max mm	Q min kN/lbf	*Q min kN/lbf
Z40	15.0	14.0	25.0	37.0	40.5	4.0	40.0/9091	50.0/11362
Z100	19.0	19.0	40.0	45.0	50.5	5.0/4.0	100.0/22725	130.0/29540
Z160	26.0	26.9	50.0	58.0	63.5	7.0/5.0	156.0/35451	200.0/45454
Z300	38.0	32.0	60.0	84.0	94.0	10.0/8.0	300.0/68175	380.0/86362

*Q denotes the tensile strength after hardened



Chain No.		P mm	L mm	G mm	d mm	d_4 mm	F mm	W mm	h_4 mm
Z40	△	50.8	-	45.0	10.7	9.3	38.1	64.5	19.0
	△ ☆	63.5	22.2	43.0				56.0	
	△ ☆	76.2						68.0	
	▲	88.9	31.8	50.0				56.0	
	▲	101.6		64.0				55.0	
	▲	127.0	57.2	84.0				56.0	
	▲	152.4							
Z100	△	76.2	-	30.0	14.0	10.5	44.5	65.0	32.0
	△	88.9							
	▲	101.6	31.8	64.0					
	△ ☆	127.0	57.2	84.0					
	▲	152.4		114.5					
	△ ☆	177.8	80.0	110.0					
	△ ☆	203.2							
Z160	△	101.6	-	35.0	15.5	12.3	54.0	77.0	38.0
	△ ☆	127.0	31.7	56.0					
	△ ☆	152.4	57.2	84.0					
	△ ☆	177.8							
	△ ☆	203.2	100.0	130.0					
	△ ☆	228.6		150.0					
	△ ☆	254.0	135.0	170.0					
Z300	△	152.4	38.1	70.0	17.0	14.0	73.0	100.0	51.0
	△	177.8							
	△ ☆	203.2	76.2	100.0					
	△ ☆	254.0	90.0	152.4					
	△ ☆	304.8	190.0	225.0					

△attachments with 1 hole ☆attachments with 2 holes ▲attachments with 3 holes