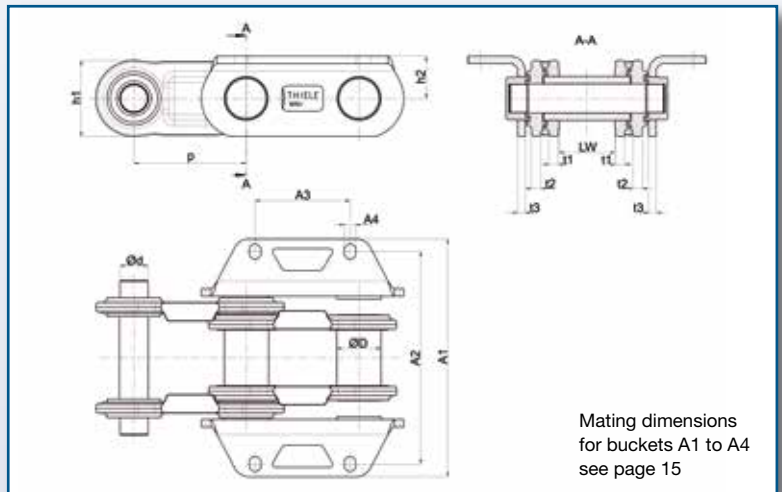


THIELE HLB-WG bucket elevator chain

THIELE HLB-WG



The THIELE HLB-WG high-performance bucket elevator chain builds on THIELE's existing product range and ties in with the high demands and expectations of our customers. This has resulted in the development of a forged chain based on patented technology. THIELE's own drop forging plant stands guarantee for constant product quality with the 'Made in Germany' label.



Chain	F_{Br} [kN]	p [mm]	LW [mm]	d [mm]	D [mm]	t_1 [mm]	t_2 [mm]	t_3 [mm]	h_1 [mm]	min. h_2 [mm]	Weight [kg/m]
HLB-WG 120	1200	177,8	70	40	65	12	12	10	115	80	80
HLB-WG 150	1500	177,8	85	45	70	15	15	12	120	85	100
HLB-WG 180	1800	177,8	95	50	75	17	17	12	130	90	110
HLB-WG 200	2000	177,8	105	55	80	18	18	15	135	100	120

F_{Br} = breaking strength
p = pitch
LW = clearance

d = pin diameter
D = bush outer diameter

t_1 = thickness of inner link
 t_2 = thickness of outer link
 t_3 = thickness of bucket plate

h_1 = height of inner link
min. h_2 = bucket connector height

Benefits of forged bucket elevator chains



- Chain joint is protected by labyrinth seals
- Labyrinth seals are also used on the push-fit bucket plates
- Each labyrinth is filled with high-performance lubricant
- Overall support width is increased by load-bearing, forged inner and outer links
- Accurately machined contact faces with the chain wheel ensure a uniform contact/wear pattern
- The bucket plate sits within the profile of the inner link
- Link-joint surface pressure is reduced by increasing the contact ratio of the pin in the bucket link
- Push-on bucket plates makes the system reversible

Breaking strength

- Suitable for chain breaking forces of 1200 kN to 2000 kN

