

Comparison of DIN 1688 and DIN EN ISO 8062-3

DIN 1688 - part 1 Aluminum sand casting		Nominal dimension of the molded part											
		> 50	> 80	> 120	> 180	> 250	> 315	> 400	> 500	> 630	> 800	> 1.000	
		< 50	< 80	< 120	< 180	< 250	< 315	< 400	< 500	< 630	< 800	< 1.250	
GTA 16/5	A*	2,00	2,40	2,60	3,20	3,60	4,00	4,40	4,80	5,40	6,20	7,20	8,20
	B*	2,60	3,00	3,60	4,00	4,60	5,20	5,80	6,40	7,00	8,00	9,00	11,00
GTA 15/5	A*	1,20	1,50	1,70	2,00	2,40	2,60	2,80	3,20	3,40	4,00	4,60	5,20
	B*	1,60	1,90	2,20	2,60	3,00	3,20	3,60	4,00	4,40	5,00	5,60	6,60
DIN 1688 - part 3 Aluminum gravity die casting		Nominal dimension of the molded part											
		> 30	> 50	> 80	> 120	> 180	> 250	> 315	> 400	> 500	> 630	> 800	> 1.000
		< 50	< 80	< 120	< 180	< 250	< 315	< 400	< 500	< 630	< 800	< 1.000	< 1.250
GTA 15	A*	1,00	1,20	1,40	1,60	1,90	2,20	2,40	2,60	2,80	3,20	3,60	4,20
	B*	1,20	1,50	1,70	2,00	2,40	2,60	2,80	3,20	3,40	4,00	4,60	5,20
GTA 14/5	A*	0,80	0,90	1,10	1,30	1,50	1,60	1,70	1,90	2,20	2,40	2,80	3,20
	B*	1,00	1,20	1,40	1,60	1,90	2,20	2,40	2,60	2,80	3,20	3,60	4,20
DIN 1687 - part 1 Copper sand casting		Nominal dimension of the molded part											
		> 30	> 50	> 80	> 120	> 180	> 250	> 315	> 400	> 500	> 630	> 800	> 1.000
		< 50	< 80	< 120	< 180	< 250	< 315	< 400	< 500	< 630	< 800	< 1.000	< 1.250
GTA 17	A*	2,60	3,00	3,60	4,00	4,60	5,20	5,80	6,40	7,00	8,00	9,00	11,00
	B*	3,00	3,40	4,00	4,40	5,00	5,60	6,20	6,80	8,00	9,00	10,00	12,00
GTA 16	A*	1,60	1,90	2,20	2,60	3,00	3,20	3,60	4,00	4,40	5,00	5,60	6,60
	B*	2,00	2,20	2,60	3,00	3,40	3,60	4,00	4,40	5,40	6,00	6,60	7,60

Scaling according to ISO 8062-3

DCTG 7

DCTG 8

DCTG 9

DCTG 10

DCTG 11

DCTG 12

"A*" formed by mold, within the same molding half

"B*" formed by core or across mold parting line



- Tolerances for walls and ribs are indicated separately.
- Nominal dimensions (old and new norm) are not congruent but overlapping.
- Here, the highest old nominal dimension is compared to the new nominal dimension.