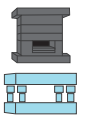





Güvenal - GTH Guide Pillars & Bushes Matching Chart



GTH	Pillar Series		G01	G02	G05	G11	G16	G17	G06	G07	G09	G15	G03	G04	G14	G12D	G13D	G50D	G12	G13	G50	G08	G10	G18	G19	G24	G20	G135	G161													
	Diameters		25 / 32 / 40 / 50 / 63 / 80 / 100			10 / 12 / 14 / 16 / 18 / 20 / 24 / 25 / 30 / 40 / 50		10 / 14 / 16 / 18 / 20 / 24 / 25 / 30 / 40 / 50		32 / 40 / 50 / 63 / 80 / 100 / 125		80 / 100 / 125		25 / 32 / 40 / 50 / 63 / 80 / 100 / 125 / 160		20 / 25 / 30		25 / 32 / 40 / 50 / 63 / 80 / 100		25 / 32 / 40 / 50 / 63 / 80		8 / 10 / 12 / 16 / 20 / 25 / 30 / 32		14 / 15 / 18 / 20 / 22 / 24 / 25 / 30 / 32 / 40 / 42 / 50 / 60			14 / 15 / 18 / 20 / 22 / 24 / 25 / 30 / 32 / 40 / 42 / 50 / 60			20 / 25 / 30 / 40		15 / 16 / 19 / 20 / 24 / 25 / 30 / 32 / 38 / 40 / 48 / 50 / 60 / 63 / 80		12 / 18 / 20 / 25 / 30 / 40		15 / 16 / 19 / 20 / 24 / 25 / 30 / 32 / 38 / 40 / 48 / 50 / 60 / 63 / 80		40 / 50 / 63 / 80		20 / 25 / 30 / 32 / 40 / 50		12 / 14 / 16 / 20 / 25 / 30
Bushes	Tolerances			g6					f6			h4	h5		k6	g6					h3					g6																
	Tol.	Diameters	Page	39	40	49	62	48	38	37	34	41	40	261	51 - 55 - 57 - 59					51 - 55 - 57 - 59					45	35	47	36	36	42	44	50										
G25	G7	12 / 14 / 15 / 16 / 18 / 20 / 22 / 24 / 25 / 30 / 32 / 40 / 42	67				★	★								★	★	★													★											
G27							★	★									★	★	★												★											
G26	H7	14 / 16 / 20 / 22 / 25 / 30 / 40 / 50	66				★	★								★	★	★												★												
G40			20 / 25 / 30 / 32 / 40 / 50 / 63 / 80 / 100 / 125	77	★	★	★			★	★	★	★	★	★								★	★			★	★	★													
G41	C9	25 / 32 / 40 / 50 / 63 / 80 / 100 / 125	77	★	★	★			★	★	★	★	★	★								★	★			★	★	★														
G45	H6	19 / 20 / 24 / 25 / 30 / 32 / 38 / 40 / 48 / 50	76	★	★	★			★	★	★	★	★	★								★	★			★	★	★														
G48	F7	8 / 10 / 12 / 15 / 16 / 18 / 20 / 24 / 25 / 30 / 35 / 38 / 40 / 42 / 45 / 48 / 50 / 60 / 80 / 100 / 120 / 150 / 160	78																																							
G48.1	H6		78																																							
G43	G7	20 / 25 / 30 / 32 / 40 / 50 / 63 / 80 / 100	79	★	★	★			★	★	★	★	★	★								★	★			★	★	★														
G86				79	★	★	★			★	★	★	★	★	★								★	★			★	★	★													
G42	H7	20 / 25 / 30 / 32 / 40 / 50 / 52 / 63 / 80 / 100 / 125 / 160	76	★	★	★			★	★	★	★	★	★								★	★			★	★	★														
G44				78	★	★	★			★	★	★	★	★	★								★	★			★	★	★													
G29	H4	12 / 18 / 30	69																			★	★	★	★	★	★	★														
G30	H7	12 / 14 / 15 / 16 / 18 / 20 / 22 / 24 / 25 / 30 / 32 / 40 / 42 / 54	65			★															★	★	★																			
G31			64			★																★	★	★																		
G32			65			★																	★	★	★																	
G33	H6	16 / 20 / 25 / 30 / 40 / 50	72	★	★	★			★	★	★	★	★	★	★							★	★			★	★	★														
G34			73	★	★	★			★	★	★	★	★	★	★	★							★	★			★	★	★													
G33K	H6	19 / 20 / 24 / 25 / 30 / 32 / 38 / 40 / 48 / 50 / 60 / 63 / 80	72	★	★	★			★	★	★	★	★	★	★							★	★			★	★	★														
G34K			73	★	★	★			★	★	★	★	★	★	★	★							★	★			★	★	★													
G35			75	★	★	★			★	★	★	★	★	★	★	★							★	★			★	★	★													
G36			75	★	★	★			★	★	★	★	★	★	★	★								★	★			★	★	★												
G37	H4	15 / 16 / 19 / 20 / 24 / 25 / 30 / 32 / 38 / 40 / 48 / 50 / 60 / 63 / 80	70																			★	★			★	★	★														
G38			70																				★	★			★	★	★													
G70			71																				★	★			★	★	★													
G49	H7	12 / 14 / 15 / 16 / 18 / 20 / 22 / 24 / 30 / 32 / 40 / 42 / 50 / 60	56			★																★	★	★																		
G74	H4	12 / 18 / 20 / 25 / 30 / 40	69																			★	★	★	★	★	★	★														
G75			69																				★	★	★	★	★	★	★													
G77	H7	12 / 14 / 16 / 20 / 25 / 30 / 40	63			★																★	★	★																		
G79	R6		42																								★															
G80.1	H7	40 / 50 / 63 / 80	43																									★														
G80.2																													★													
G80.3																													★													
G80.4																													★													
G80.5	C9																										★															
G61	F7	12 / 14 / 16 / 20 / 25 / 30	50					★								★														★												

Important:
 1- The matching chart above is designed to facilitate the selection of Güvenal - GTH branded products.
 2- Please pay attention to the tolerances given in the catalogue and chart when selecting.
 3- Please check the perpendicularity of the die & mould guiding holes to the plate surfaces on the both core and cavity sides.
 4- The working tolerances of the matched products in the chart are produced in such a way that they can work without mounted to the die & mould.

5- If there are problems of diameter & coordinate or perpendicularity in the die & mould due to production, the relevant Guide Pillar / Bush shall not work after mounting.
 6- Do not use a sledge hammer or heavy hammer in the mounting of the products.
 If you are having problems with the installation, check the diameters and cleaning of the respective mounting holes.
 7- If you have problems, closing the mould after connecting to the injection machine; check the parallelism of the machine columns and the guide pillars of mould.



 **Advised Guiding Combination for Injection Moulds.**
 **Limited Use for Injection Moulds.**
 **Incompatible**

 **Advised Guiding Combination for Punching and Forming Dies.**
 **Limited Use for Punching and Forming Dies.**