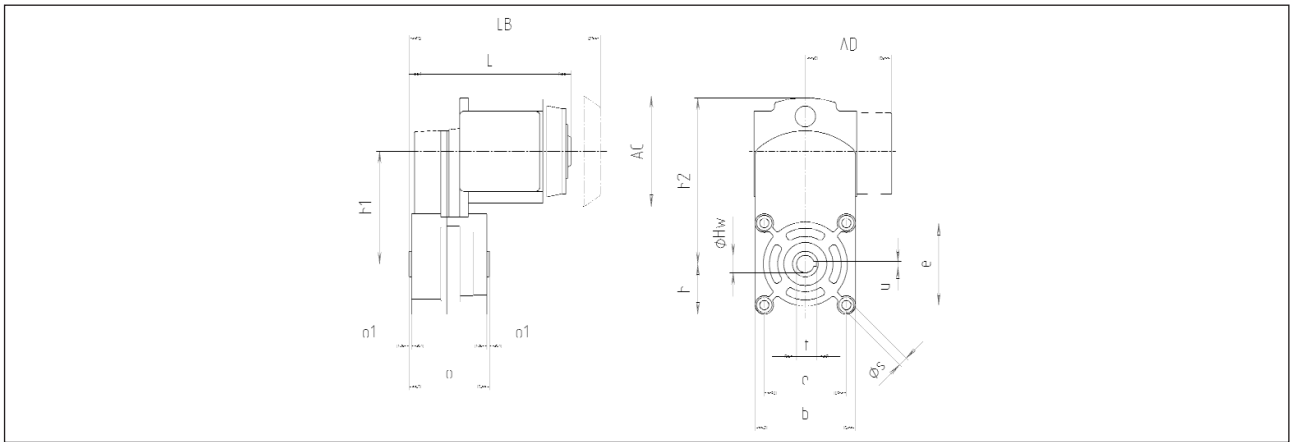
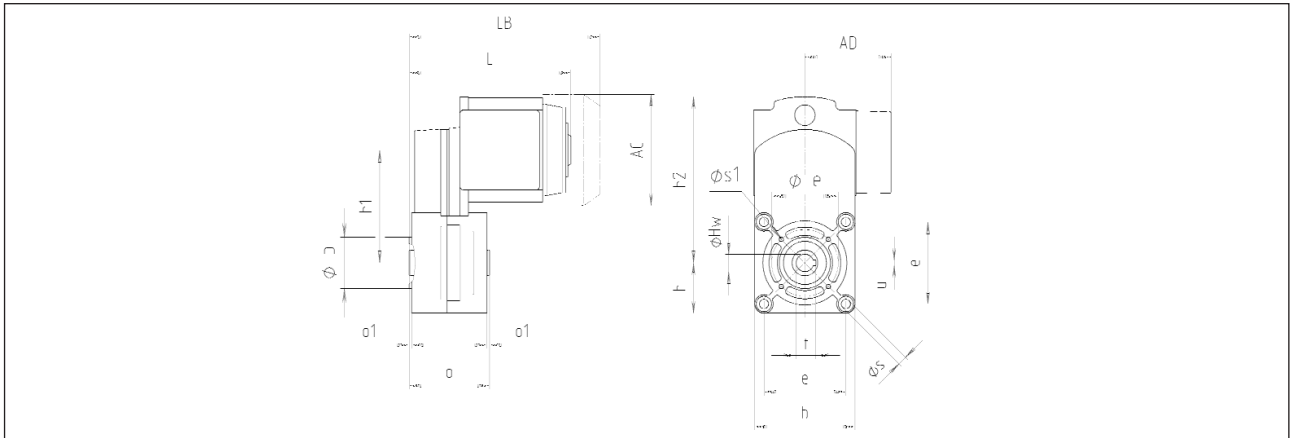


Dimensions for **3**-stage shaft mounted helical gears
(FGA 53 slip-on execution)*



Gear box type	Gearbox related dimensions [mm]				Motor type	Motor related dimensions [mm]			
	AC	AD	L	LB					
FGA 53	b = 98	h ₂ = 160	t = 19,3		D56	110	91	157,5	184,5
	e = 80	Ø HW = 17	u = 5						
	h = 49	o = 78,5							
	h ₁ = 105	Ø s = 9							

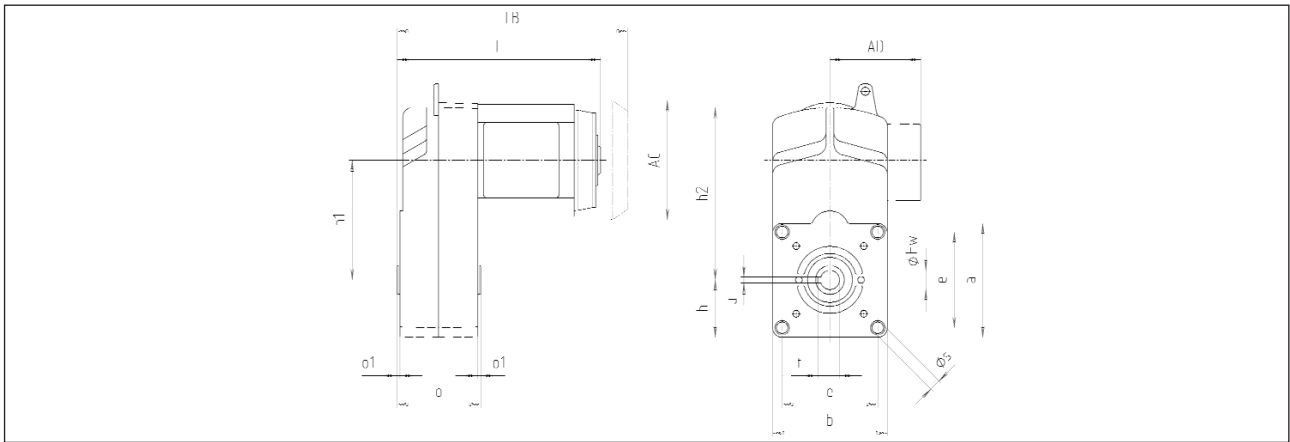
FGA 53 - Slip-on execution with flange B14*



Gear box type	Gearbox related dimensions [mm]				Motor type	Motor related dimensions [mm]			
	AC	AD	L	LB					
FGA 53	Ø b = 50	h ₁ = 105	Ø s ₁ = 4xM5		D56	110	91	157,5	184,5
	b = 98	h ₂ = 160	t = 19,3						
	Ø e = 65	Ø HW = 17	u = 5						
	e = 80	o = 78,5							
	h = 49	Ø s = 9							

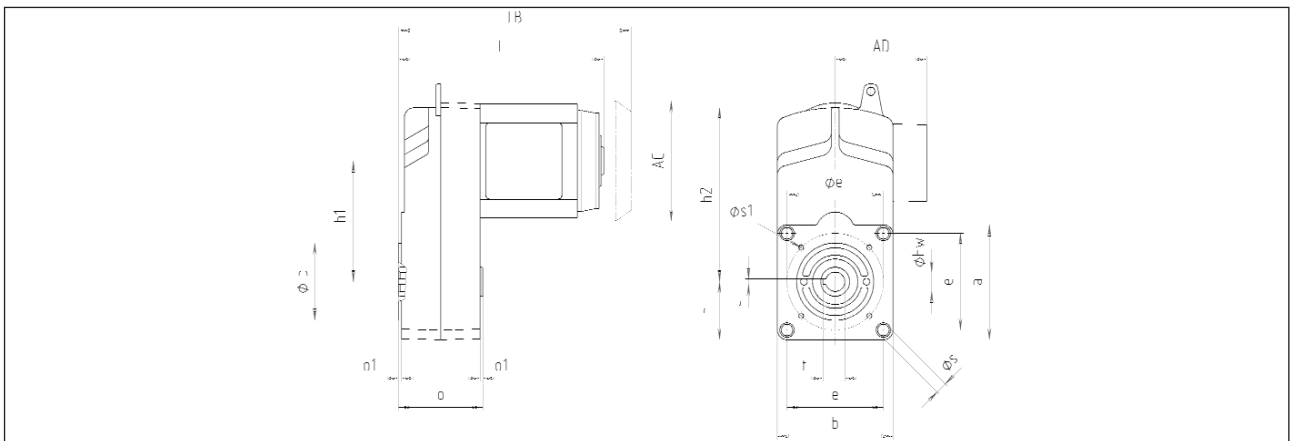
Dimensions

Dimensions for **3**-stage shaft mounted helical gears - continued
(FGA 103 slip-on execution)*



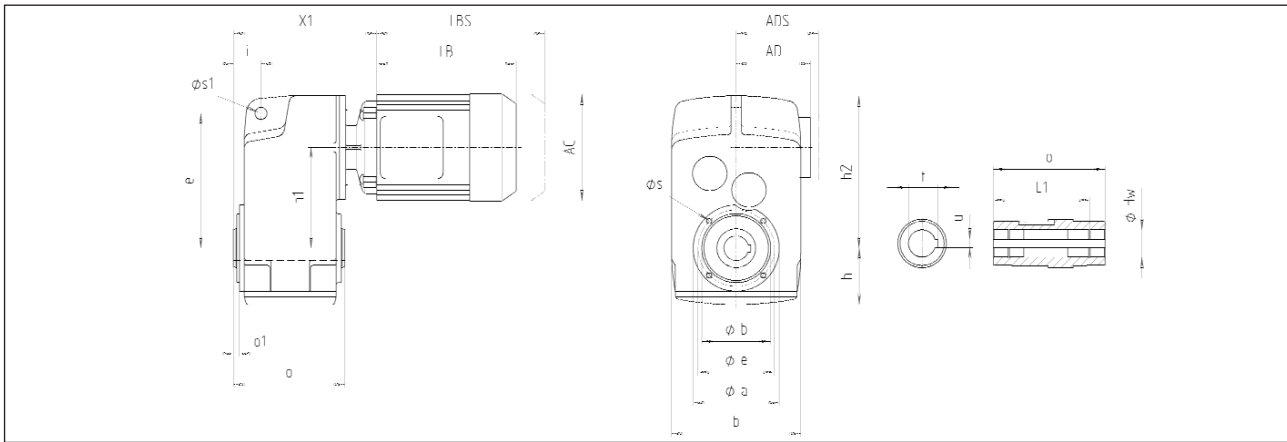
Gear box type	Gearbox related dimensions [mm]					Motor type	Motor related dimensions [mm]			
	AC	AD	L	LB						
FGA 103	a = 120	h_1 = 125	o_1 = 3			DG63	124	102	177	-
	b = 120	h_2 = 180	ϕ_s = 9			D63	124	102	207,5	-
	e = 100	ϕ_{HW} = 20	t = 22,8			DG63c	124	95	211	-
	h = 60	o = 87,5	u = 6			D63c	124	95	241,5	-
						D63c	124	95	-	274
						DG63d	124	95	225	-
						D63d	124	95	255,5	-

(FGA 103 Slip-on execution with flange B 14)*

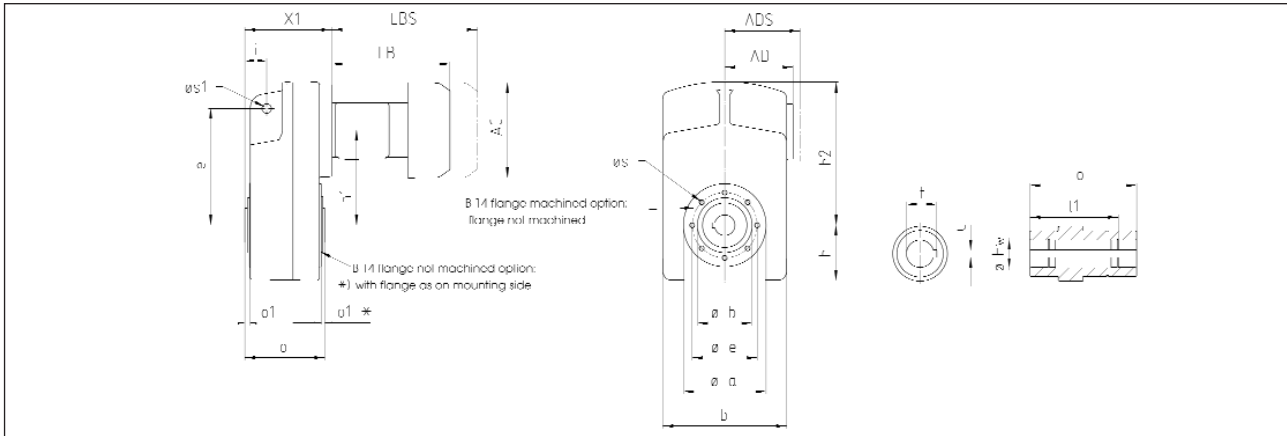


Gear box type	Gearbox related dimensions [mm]					Motor type	Motor related dimensions [mm]			
	AC	AD	L	LB						
FGA 103	a = 120	h = 60	o_1 = 3			DG63	124	102	177	-
	ϕ_b = 80	h_1 = 125	ϕ_s = 9			D63	124	102	207,5	-
	b = 120	h_2 = 180	s_1 = 4xM6			DG63c	124	95	211	-
	ϕ_e = 100	ϕ_{HW} = 20	t = 22,8			D63c	124	95	241,5	-
	e = 100	o = 87,5	u = 6			D63c	124	95	-	274
						DG63d	124	95	225	-
						D63d	124	95	255,5	-

(Slip-on execution with flange B14)*



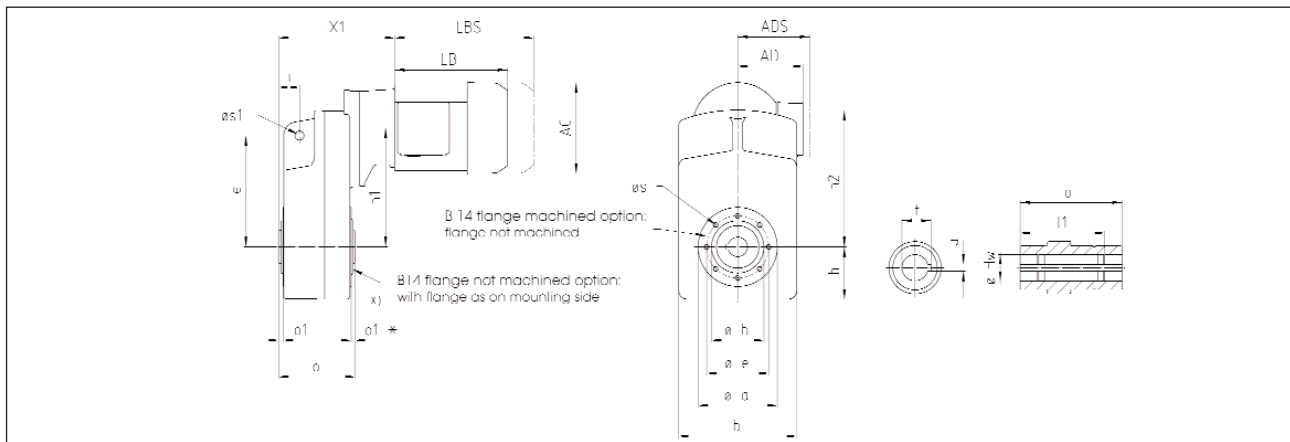
Gear box type	Gearbox related dimensions [mm]			Motor type	Motor related dimensions [mm]			
	AC	AD	LB		X ₁			
FGA 253	$\varnothing a = \square 90$	$h_1 = 110$	$o_1 = 7$	D71	139	101	172,5	165
	$\varnothing b = 80$	$h_2 = 170$	$\varnothing s = 4 \times M8$	D80	158	108	199	178,5
	$b = 150$	$\varnothing HW = 30$	$\varnothing s_1 = 14$	D90S	177	122	211,5	181
	$\varnothing e = 95$	$i = 25$	$t = 33,3$	D90L	177	122	236,5	181
	$e = 150$	$L_1 = 129,3$	$u = 8$	D100L	196	130	276	180,5
	$h = 65,5$	$o = 146$						



Gear box type	Gearbox related dimensions [mm]			Motor type	Motor related dimensions [mm]			
	AC	AD	LB		X ₁			
FGA 423	$\varnothing a = 120$	$h_1 = 138,5$	$o_1 = 7$	D63	124	96	157	128,5
	$b = 181$	$h_2 = 209$	$\varnothing s = 8 \times M8$	D71	139	101	172,5	127,5
	$\varnothing b = 80$	$\varnothing HW = 30 / 35$	$\varnothing s_1 = 14$	D80	158	108	199	136,5
	$e = 170$	$i = 32$	$t = 33,3 /$	D90S	177	122	211,5	136,5
	$\varnothing e = 95$	$L_1 = 97$	$38,3$	D90L	177	122	236,5	136,5
	$h = 80,5$	$o = 117$	$u = 8 / 10$	D100L	196	130	276	161,5
FGA 1353	$\varnothing a = 160$	$h_1 = 231$	$o_1 = 8,5$	D71	139	101	172,5	156
	$b = 215$	$h_2 = 266$	$\varnothing s = 8 \times M10$	D80	158	108	199	165
	$\varnothing b = 110$	$\varnothing HW = 50 / 55$	$\varnothing s_1 = 21$	D90S	177	122	211,5	165
	$e = 218$	$i = 41,5$	$t = 53,8 /$	D90L	177	122	236,5	165
	$\varnothing e = 130$	$L_1 = 142,1$	$59,3$	D100L*	196	130	276	190
	$h = 106$	$o = 165$	$u = 14 / 16$					

Dimensions

Dimensions for **3**-stage shaft mounted helical gears - continued
(Slip-on execution with flange B 14)*



Gear box type	Gearbox related dimensions [mm]				Motor type	Motor related dimensions [mm]			
	AC	AD	LB	X ₁					
FGA 424.3	Ø a = 120	h ₁ = 181,5	o ₁ = 7	D63	124	96	157	178,5	
	b = 181	h ₂ = 209	Ø s = 8xM8	D71	139	101	172,5	177,5	
	Ø b = 80	Ø HW = 30 / 35	Ø s ₁ = 14	D80	158	108	199	186,5	
	Ø e = 95	i = 32	t = 33,3	D90S	177	122	211,5	186,5	
	e = 170	L ₁ = 97	38,3	D90L	177	122	236,5	186,5	
	h = 80,5	o = 117	u = 8 / 10						
FGA 954.3	Ø a = 160	h ₂ = 266	Ø s = 8xM10	D71	139	101	172,5	222	
	b = 215	Ø HW = 40 / 50	Ø s ₁ = 21	D80	158	108	199	231	
	Ø b = 110	i = 41,5	t = 43,3 /	D90S	177	122	211,5	231	
	Ø e = 130	L ₁ = 142,8 /	53,3	D90L	177	122	236,5	231	
	e = 218	142,1	u = 12 / 14	D100L	196	130	276	235,5	
	h = 106	o = 165							
h ₁ = 231	o ₁ = 8,5								