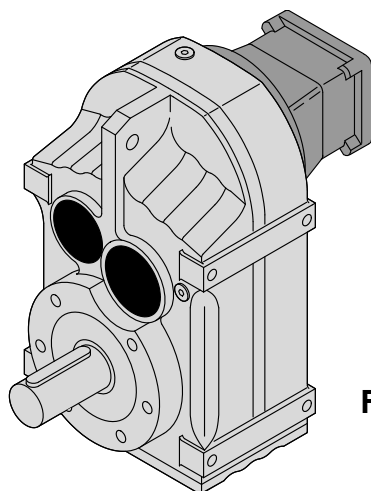




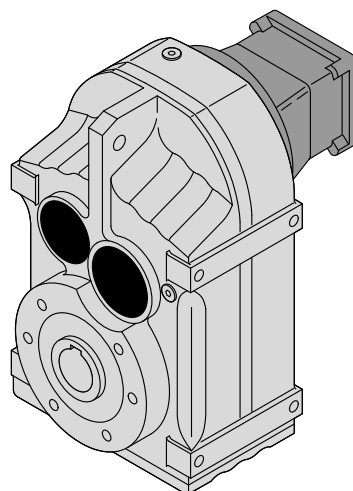
F..
F.. AQ..

9 F..

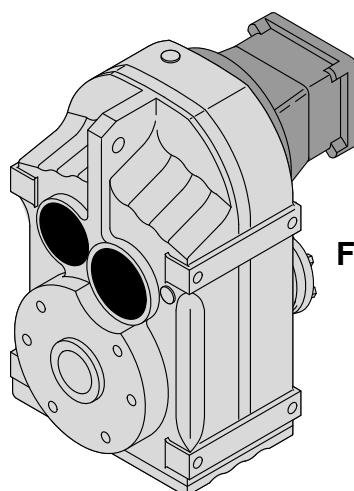
9.1 F.. AQ..



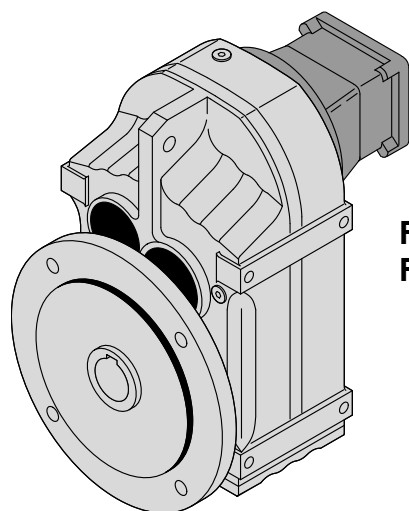
F.. AQ..



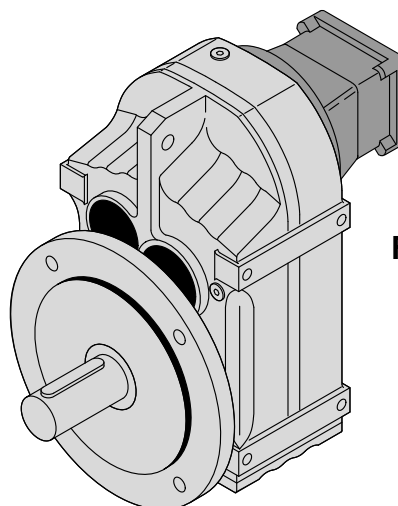
FA..B AQ..
FV..B AQ..



FH..B AQ..

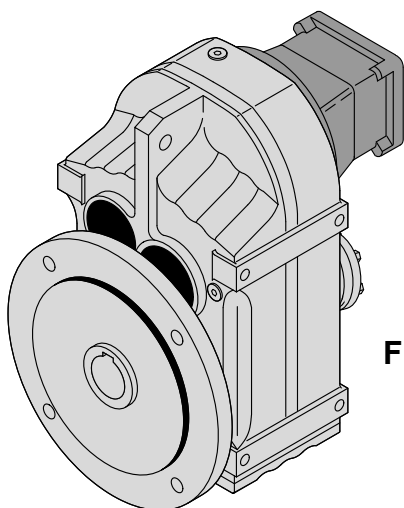


FAF.. AQ..
FVF.. AQ..

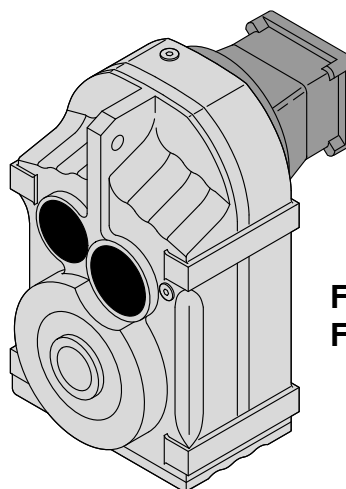


FF.. AQ..

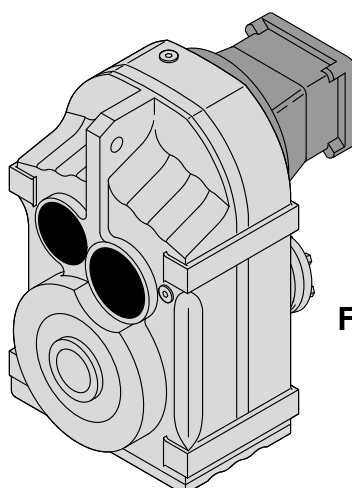
50399AXX



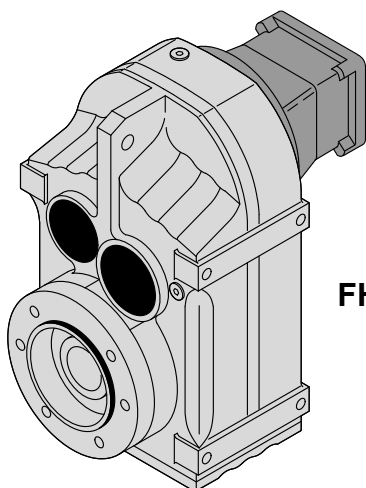
FHF .. AQ..



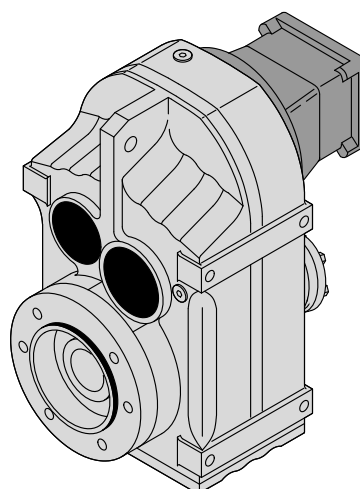
**FA.. AQ..
FV.. AQ..**



FH.. AQ..



FHZ.. AQ..



**FAZ.. AQ..
FVZ.. AQ..**

52495AXX



9.2 F.. AQ..

9.2.1 F 27 AQ.. [Nm]

[Nm]	i	AQ. M _{amax} M _{apk} M _{aNotaus}											
		80/1-3			100/1-4			115/1-2			115/3		
FA27 	4.16	70	70	137	70	70	141	70	70	141	87	130	148
	4.93	83	83	162	83	83	163	83	83	163	96	144	163
	5.27	89	89	170	89	89	170	89	89	170	100	150	170
	6.17	104	104	185	104	104	185	104	104	185	109	163	185
	6.91	114	117	194	114	117	194	114	117	194	114	163	194
	8.13	123	138	205	123	138	205	123	138	205	123	163	205
	9.40	130	159	220	130	159	220	130	159	220	130	163	220
	9.88	130	157	220	130	157	220	130	157	220	130	157	220
	10.55	130	157	220	130	157	220	130	157	220	130	157	220
	12.35	130	157	220	130	157	220	130	157	220	130	157	220
	13.84	130	157	220	130	157	220	130	157	220	130	157	220
	16.28	130	157	220	130	157	220	130	157	220	130	157	220
	18.84	130	157	220	130	157	220	130	157	220	130	157	220
	20.15	130	157	220	130	157	220	130	157	220	130	157	220
	23.25	130	157	220	130	157	220	130	157	220	130	157	220
FA27 	27.18	130	157	220	130	157	220	130	157	220	130	157	220
	29.56	130	157	220	130	157	220	130	157	220	130	157	220
	33.83	130	157	220	130	157	220	130	157	220	130	157	220
	38.33	130	157	220	130	157	220	130	157	220	130	157	220
	40.89	130	157	220	130	157	220	130	157	220	130	157	220
	46.78	130	157	220	130	157	220	130	157	220	130	157	220
	50.19	130	157	220	130	157	220	130	157	220	130	157	220
	56.62	130	157	220	130	157	220	130	157	220	130	157	220
	63.86	130	157	220	130	157	220	130	157	220	130	157	220
	72.37	130	157	220	130	157	220	130	157	220	130	157	220
	77.21	130	157	220	130	157	220	130	157	220	130	157	220
	88.32	130	157	220	130	157	220	130	157	220	130	157	220
	94.76	130	157	220	130	157	220	130	157	220	130	157	220
	109.90	130	157	220	130	157	220	130	157	220	130	157	220
	129.09	130	157	220	130	157	220	130	157	220	130	157	220
	140.74	130	157	220	130	157	220	130	157	220	130	157	220

m [kg]		AQ.			
	s	80/1-3	100/1-4	115/1-2	115/3
FA27		9.0	9.6	10	10
FA27		9.2	9.9	10	10
FAF: + 0.7 kg / F: + 0.5 kg / FF: + 1.3 kg					

		AQ.			
		80/1-3	100/1-4	115/1-2	115/3
J _A 10 ⁻⁴	[kgm ²]	0.77	1.4	1.4	3.1
c _{TA}	[Nm/°]	0.25	0.25	0.25	0.625



FA27 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA27 	4.16	87	130	148	361	1.4	1810	1810	1380	1180	4500	4500	4500	4500
	4.93	96	144	163	304	1.0	1860	1860	1420	1210	4500	4500	4500	4500
	5.27	100	150	170	266	0.90	1880	1880	1440	1220	4500	4500	4500	4500
	6.17	109	163	185	227	0.68	1940	1940	1480	1260	4500	4500	4500	4500
	6.91	114	163	194	217	0.56	2000	2000	1530	1300	4500	4500	4500	4500
	8.13	123	163	209	172	0.42	2080	2080	1580	1350	4500	4500	4500	4500
	9.40	130	163	221	160	0.33	2170	2170	1660	1410	4500	4500	4500	4500
	9.88	130	157	221	202	0.74	2400	2400	1830	1560	4500	4500	4500	4500
	10.55	130	157	221	209	0.67	2490	2490	1900	1620	4500	4500	4500	4500
	12.35	130	157	221	211	0.51	2700	2700	2060	1760	4500	4500	4500	4500
	13.84	130	157	221	210	0.43	2860	2860	2180	1860	4500	4500	4500	4500
	16.28	130	157	221	209	0.32	3110	3110	2370	2020	4500	4500	4500	4500
	18.84	130	157	221	212	0.26	3340	3340	2550	2170	4500	4500	4500	4500
	20.15	130	157	221	213	0.23	3450	3450	2630	2240	4500	4500	4500	4500
	23.25	130	157	221	215	0.19	3690	3690	2820	2400	4500	4500	4500	4500
	27.18	130	157	221	217	0.15	3970	3970	3030	2580	4500	4500	4500	4500
FA27 	29.56	130	157	221	220	0.13	4120	4120	3140	2680	4500	4500	4500	4500
	33.83	130	157	221	166	0.31	4380	4380	3340	2850	4500	4500	4500	4500
	38.33	130	157	221	167	0.26	4500	4500	3530	3010	4500	4500	4500	4500
	40.89	130	157	221	166	0.23	4500	4500	3640	3100	4500	4500	4500	4500
	46.78	130	157	221	150	0.18	4500	4500	3860	3290	4500	4500	4500	4500
	50.19	130	157	221	139	0.17	4500	4500	3980	3390	4500	4500	4500	4500
	56.62	130	157	221	124	0.31	4500	4500	4180	3570	4500	4500	4500	4500
	63.86	130	157	221	110	0.26	4500	4500	4400	3750	4500	4500	4500	4500
	72.37	130	157	221	97	0.22	4500	4500	4500	3960	4500	4500	4500	4500
	77.21	130	157	221	91	0.20	4500	4500	4500	4060	4500	4500	4500	4500
	88.32	130	157	221	79	0.16	4500	4500	4500	4290	4500	4500	4500	4500
	94.76	130	157	221	74	0.15	4500	4500	4500	4420	4500	4500	4500	4500
	109.90	130	157	221	64	0.12	4500	4500	4500	4500	4500	4500	4500	4500
	129.09	130	157	221	54	0.090	4500	4500	4500	4500	4500	4500	4500	4500
	140.74	130	157	221	50	0.080	4500	4500	4500	4500	4500	4500	4500	4500

AQ.		n_{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	C_{TG} F [Nm/']	FF [Nm/']
	i						
FA27 	4.16	4120	97	46	46	21	18
	4.93	4500	97	46	46	21	18
	5.27	4500	97	46	46	21	18
	6.17	4500	97	46	46	21	18
	6.91	4500	97	46	46	21	18
	8.13	4500	97	46	46	21	18
	9.40	4500	97	46	46	21	18
	9.88	4500	97	83	83	26	22
	10.55	4500	97	83	83	26	22
	12.35	4500	97	83	83	26	22
	13.84	4500	97	83	83	26	22
	16.28	4500	97	83	83	26	22
	18.84	4500	97	83	83	26	22
	20.15	4500	97	83	83	26	22
	23.25	4500	97	83	83	26	22
	27.18	4500	96	83	83	26	22
	29.56	4500	96	83	83	26	22



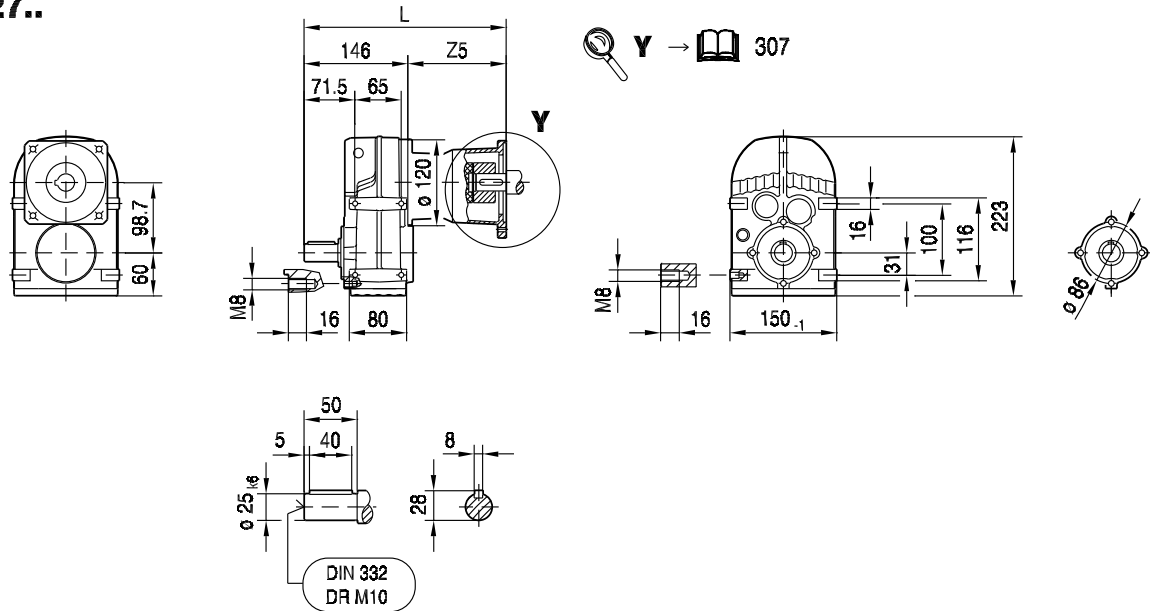
AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	c _{TG}	
	i					F [Nm/']	FF [Nm/']
FA27  3	33.83	4500	95	95	95	27	23
	38.33	4500	95	95	95	27	23
	40.89	4500	95	95	95	27	23
	46.78	4500	94	95	95	27	23
	50.19	4500	94	95	95	27	23
	56.62	4500	94	99	99	27	23
	63.86	4500	94	99	99	27	23
	72.37	4500	93	99	99	27	23
	77.21	4500	93	99	99	27	23
	88.32	4500	93	99	99	27	23
	94.76	4500	92	99	99	27	23
	109.90	4500	92	99	99	27	23
	129.09	4500	91	99	99	27	23
	140.74	4500	90	99	99	27	23



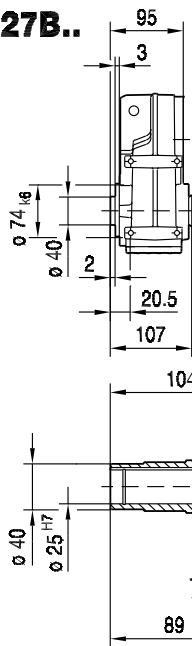
9.2.2 F 27 AQ.. [mm]

42 075 00 08^L

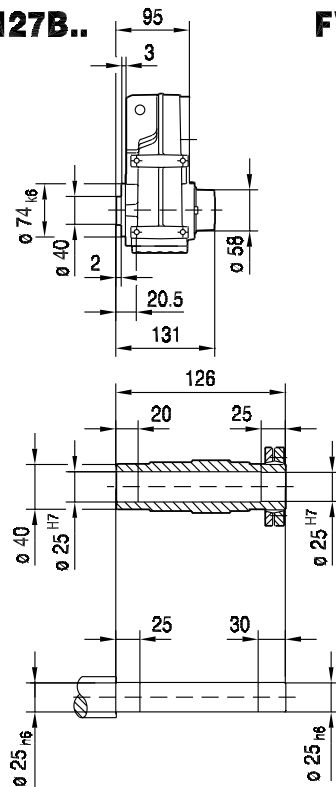
F27..



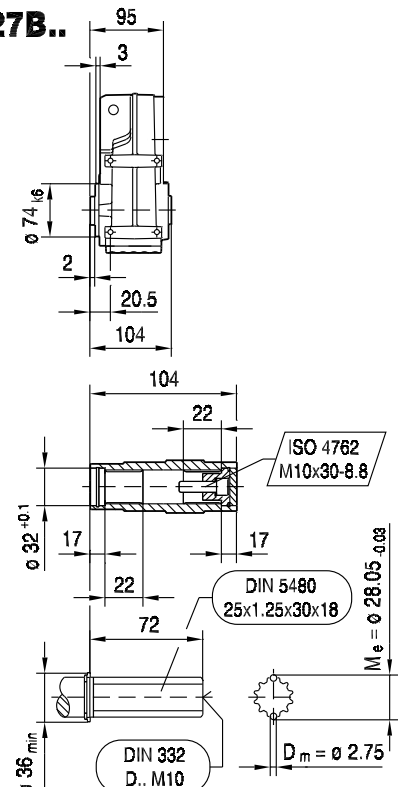
FA27B..



FH27B..

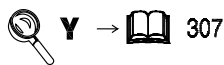


FV27B..

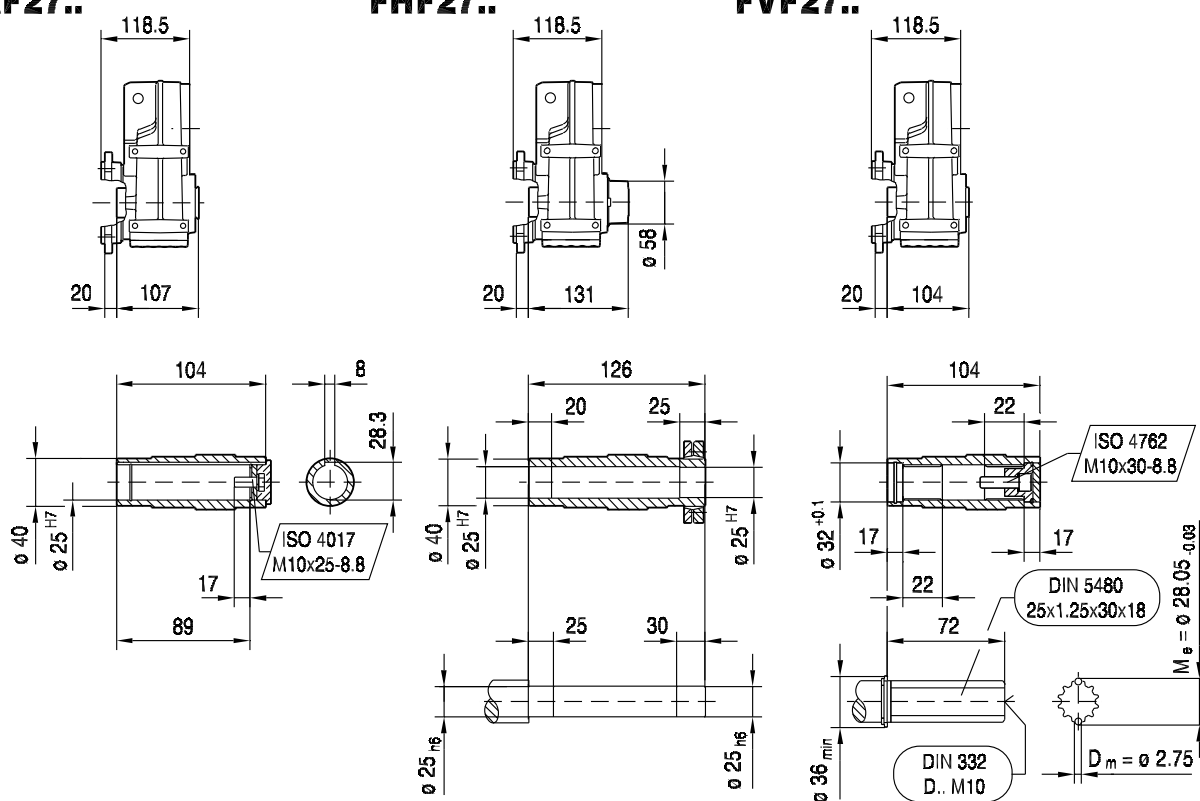


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	251	276	290	299				
Z5	104.5	129.5	143.5	152.5				

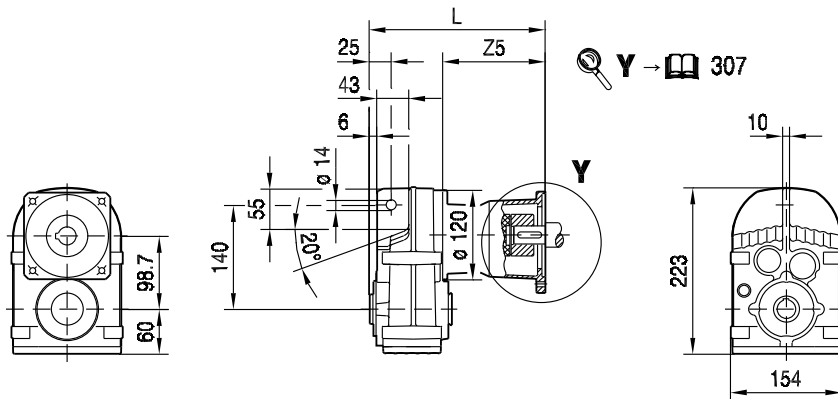
42 076 00 08



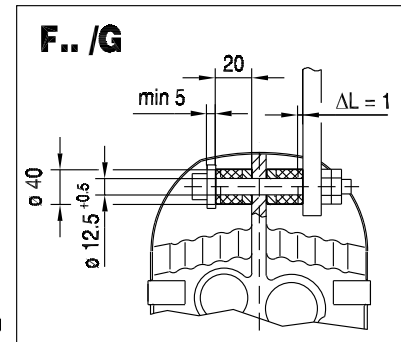
FVF27..

(→ 144)

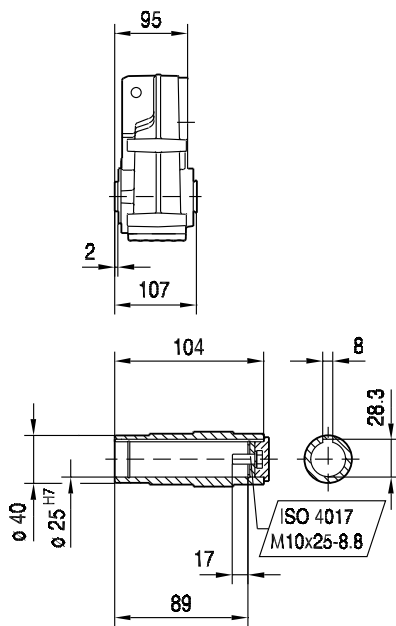
FA27..



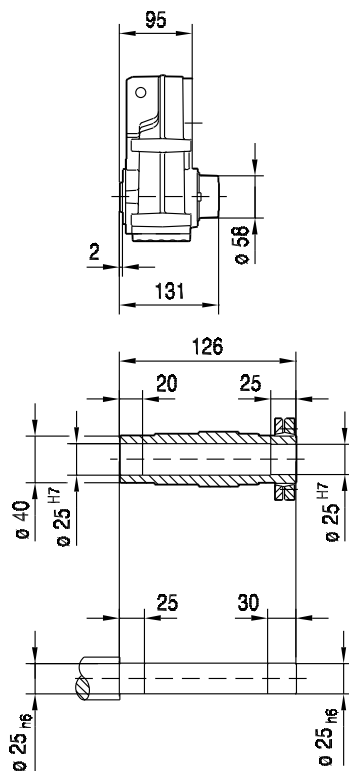
42 077 00 08



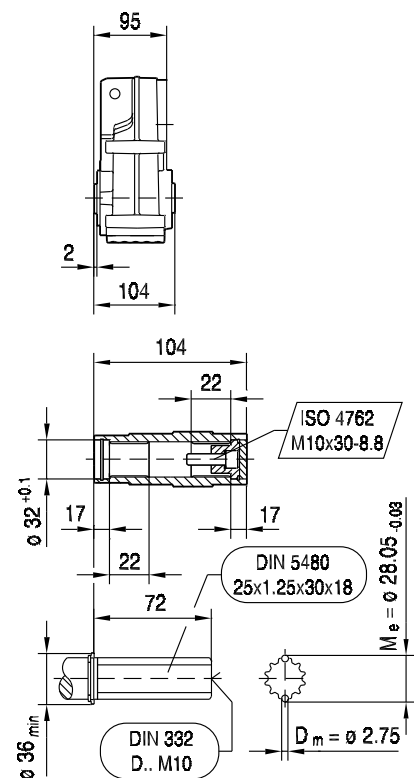
FA27..



FH27..



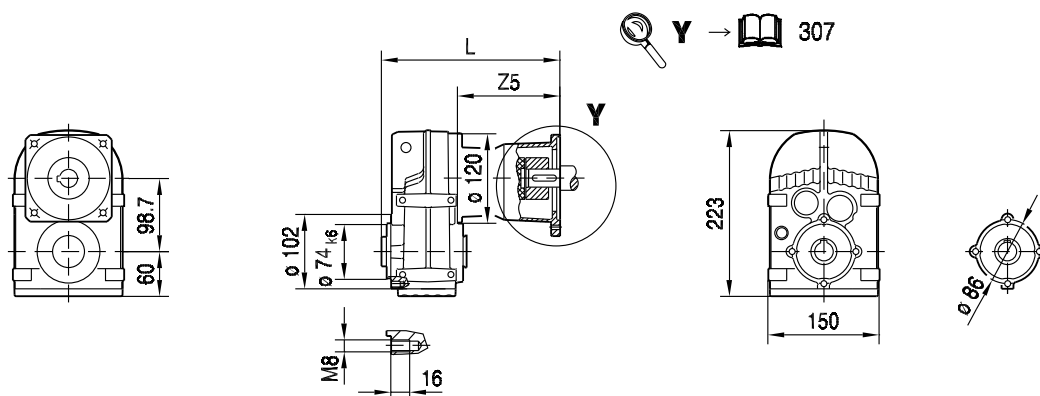
FV27..



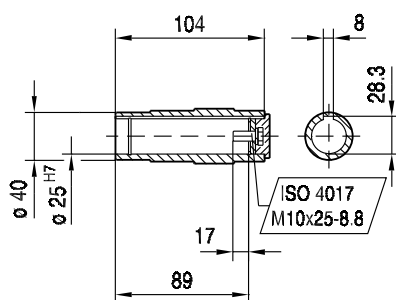
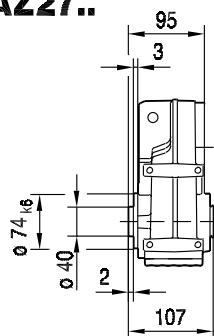
(⇒  144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	200	225	239	248				
Z5	104.5	129.5	143.5	152.5				



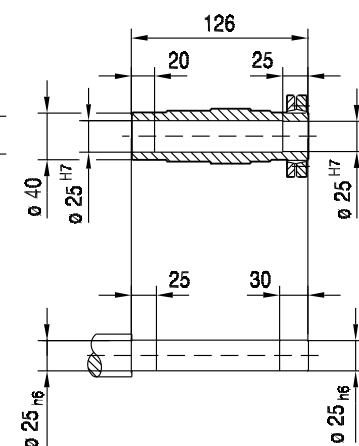
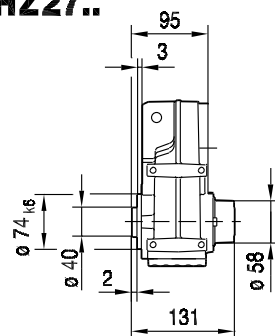
FAZ27..

42 078 00 08^L

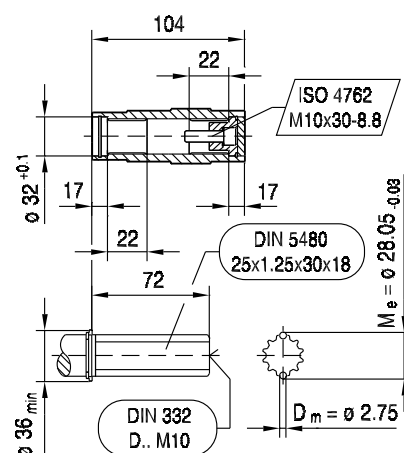
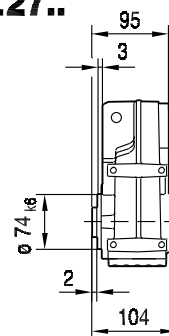
FAZ27..



FHZ27..



FVZ27..



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	200	225	239	248				
Z5	104.5	129.5	143.5	152.5				



9.2.3 F 37 AQ.. [Nm]

[Nm]	i	AQ. M _{amax} M _{apk} M _{aNotaus}											
		80/1-3			100/1-4			115/1-2			115/3		
FA37 	3.77	64	64	124	64	64	128	64	64	128	105	157	173
	4.22	71	71	139	71	71	143	71	71	143	110	165	187
	4.90	83	83	161	83	83	166	83	83	166	120	180	200
	5.21	88	88	171	88	88	177	88	88	177	125	187	210
	6.05	102	102	199	102	102	205	102	102	205	135	188	230
	6.74	114	114	220	114	114	225	114	114	225	140	188	235
	7.44	126	126	245	126	126	245	126	126	245	145	188	245
	8.01	136	136	260	136	136	270	136	136	270	170	240	285
	8.97	152	152	295	152	152	295	152	152	295	175	240	295
	10.42	177	177	315	177	177	315	177	177	315	185	240	315
	11.08	188	188	320	188	188	320	188	188	320	190	240	320
	12.87	200	215	340	200	215	340	200	215	340	200	240	340
	14.33	200	240	340	200	240	340	200	240	340	200	240	340
	15.81	200	240	340	200	240	340	200	240	340	200	240	340
	17.03	200	240	340	200	240	340	200	240	340	200	240	340
	19.27	200	240	340	200	240	340	200	240	340	200	240	340
	20.57	200	240	340	200	240	340	200	240	340	200	240	340
	23.63	200	240	340	200	240	340	200	240	340	200	240	340
FA37 	23.88	200	240	340	200	240	340	200	240	340	200	240	340
	28.09	200	240	340	200	240	340	200	240	340	200	240	340
	31.69	200	240	340	200	240	340	200	240	340	200	240	340
	35.91	200	240	340	200	240	340	200	240	340	200	240	340
	38.31	200	240	340	200	240	340	200	240	340	200	240	340
	43.83	200	240	340	200	240	340	200	240	340	200	240	340
	47.02	200	240	340	200	240	340	200	240	340	200	240	340
	51.70	200	240	340	200	240	340	200	240	340	200	240	340
	54.54	200	240	340	200	240	340	200	240	340	200	240	340
	58.32	200	240	340	200	240	340	200	240	340	200	240	340
	66.09	200	240	340	200	240	340	200	240	340	200	240	340
	70.50	200	240	340	200	240	340	200	240	340	200	240	340
	80.65	200	240	340	200	240	340	200	240	340	200	240	340
	86.53	200	240	340	200	240	340	200	240	340	200	240	340
	100.36	200	240	340	200	240	340	200	240	340	200	240	340
	117.88	200	240	340	200	240	340	200	240	340	200	240	340
	128.51	200	240	340	200	240	340	200	240	340	200	240	340

m [kg]		AQ.			
	s	80/1-3	100/1-4	115/1-2	115/3
FA37 	2	15	16	16	16
FA37 	3	15	16	17	17
FAF: + 1.5 kg / F: + 0.5 kg / FF: + 2.3 kg					

		AQ.			
		80/1-3	100/1-4	115/1-2	115/3
J _A 10 ⁻⁴	[kgm ²]	0.77	1.4	1.4	3.1
c _{TA}	[Nm/°]	0.25	0.25	0.25	0.625



FA37 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA37  2	3.77	105	157	179	451	2.8	2470	2470	1970	2220	7000	7000	4810	5860
	4.22	110	165	187	427	2.3	2550	2550	2030	2300	7000	7000	4730	5820
	4.90	120	180	204	367	1.8	2630	2630	2100	2380	7000	7000	4560	5740
	5.21	125	187	213	326	1.6	2660	2660	2120	2410	7000	7000	4470	5700
	6.05	135	188	230	281	1.2	2750	2750	2190	2510	7000	7000	4460	5700
	6.74	140	188	238	267	1.0	2850	2850	2270	2600	7000	7000	4460	5700
	7.44	145	188	247	242	0.83	2940	2940	2350	2680	7000	7000	4460	5700
	8.01	170	240	289	200	1.5	2960	2960	2360	2710	7000	7000	3610	4100
	8.97	175	240	298	190	1.3	3080	3080	2460	2820	7000	7000	3610	4100
	10.42	185	240	315	163	1.0	3230	3230	2580	2960	7000	7000	3610	4100
	11.08	190	240	323	144	0.94	3290	3290	2620	3020	7000	7000	3610	4100
	12.87	200	240	340	124	0.74	3450	3450	2750	3170	7000	7000	3610	4100
	14.33	200	240	340	126	0.63	3650	3650	2910	3330	7000	7000	3610	4100
	15.81	200	240	340	127	0.52	3840	3840	3070	3490	7000	7000	3610	4100
	17.03	200	240	340	129	0.48	3990	3990	3180	3610	7000	7000	3610	4100
	19.27	200	240	340	130	0.40	4250	4250	3390	3820	7000	7000	3610	4100
	20.57	200	240	340	131	0.36	4390	4390	3500	3940	7000	7000	3610	4100
	23.63	200	240	340	135	0.29	4690	4690	3740	4190	7000	7000	3610	4100
FA37  3	23.88	200	240	340	96	0.60	4720	4720	3760	4210	7000	7000	3610	4100
	28.09	200	240	340	96	0.45	5090	5090	4060	4520	7000	7000	3610	4100
	31.69	200	240	340	95	0.35	5380	5380	4290	4760	7000	7000	3610	4100
	35.91	200	240	340	97	0.29	5700	5700	4290	5020	7000	7000	3610	4100
	38.31	200	240	340	97	0.26	5870	5870	4290	5160	7000	7000	3610	4100
	43.83	200	240	340	96	0.21	6240	6240	4290	5460	7000	7000	3610	4100
	47.02	200	240	340	96	0.19	6430	6430	4290	5620	7000	7000	3610	4100
	51.70	200	240	340	95	0.34	6710	6710	4290	5670	7000	7000	3610	4100
	54.54	200	240	340	97	0.15	6860	6860	4290	5670	7000	7000	3610	4100
	58.32	200	240	340	96	0.27	7000	7000	4290	5670	7000	7000	3610	4100
	66.09	200	240	340	95	0.23	7000	7000	4290	5670	7000	7000	3610	4100
	70.50	200	240	340	95	0.21	7000	7000	4290	5670	7000	7000	3610	4100
	80.65	200	240	340	87	0.17	7000	7000	4290	5670	7000	7000	3610	4100
	86.53	200	240	340	81	0.15	7000	7000	4290	5670	7000	7000	3610	4100
	100.36	200	240	340	70	0.12	7000	7000	4290	5670	7000	7000	3610	4100
	117.88	200	240	340	59	0.10	7000	7000	4290	5670	7000	7000	3610	4100
	128.51	200	240	340	54	0.080	7000	7000	4290	5670	7000	7000	3610	4100

AQ.		n_{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	c_{TG} F [Nm/']	FF [Nm/']	φ /R [°]
	i							
FA37  2	3.77	4500	97	41	41	20	15	12
	4.22	4500	97	41	41	20	15	11
	4.90	4500	97	41	41	20	15	11
	5.21	4500	97	41	41	20	15	10
	6.05	4500	97	41	41	20	15	10
	6.74	4500	97	41	41	20	15	10
	7.44	4500	97	41	41	20	15	10
	8.01	4500	97	84	84	26	19	7
	8.97	4500	97	84	84	26	19	7
	10.42	4500	97	84	84	26	19	7
	11.08	4500	97	84	84	26	19	7
	12.87	4500	97	84	84	26	19	7
	14.33	4500	97	84	84	26	19	7
	15.81	4500	97	84	84	26	19	6
	17.03	4500	97	84	84	26	19	6
	19.27	4500	97	84	84	26	19	6
	20.57	4500	97	84	84	26	19	6
	23.63	4500	97	84	84	26	19	6



AQ.		n _{epk} [1/min]	η [%]	c _{TG}				φ /R [°]
	i			FA [Nm/']	FAF [Nm/']	F [Nm/']	FF [Nm/']	
FA37  3	23.88	4500	96	94	94	27	19	8
	28.09	4500	96	94	94	27	19	8
	31.69	4500	96	94	94	27	19	8
	35.91	4500	95	94	94	27	19	8
	38.31	4500	95	94	94	27	19	8
	43.83	4500	95	94	94	27	19	8
	47.02	4500	95	94	94	27	19	8
	51.70	4500	95	97	97	27	19	7
	54.54	4500	95	94	94	27	19	8
	58.32	4500	95	97	97	27	19	7
	66.09	4500	95	97	97	27	19	7
	70.50	4500	94	97	97	27	19	7
	80.65	4500	94	97	97	27	19	7
	86.53	4500	94	97	97	27	19	7
	100.36	4500	94	97	97	27	19	7
	117.88	4500	93	97	97	27	19	7
	128.51	4500	93	97	97	27	19	7

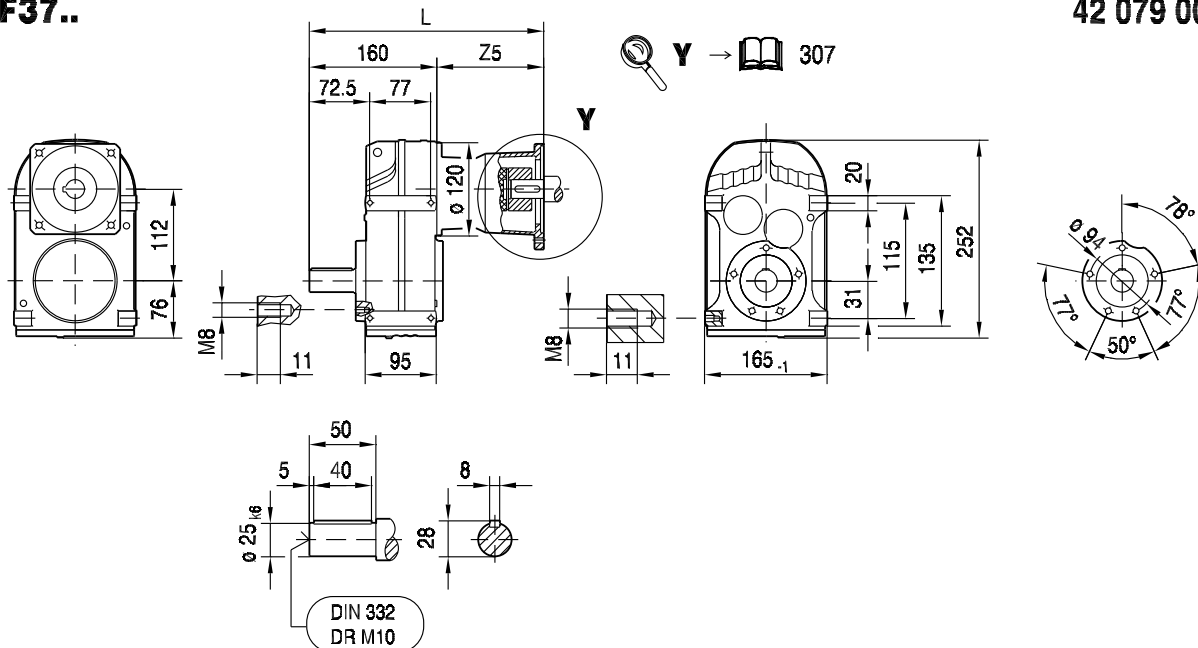


F..
F.. AQ..

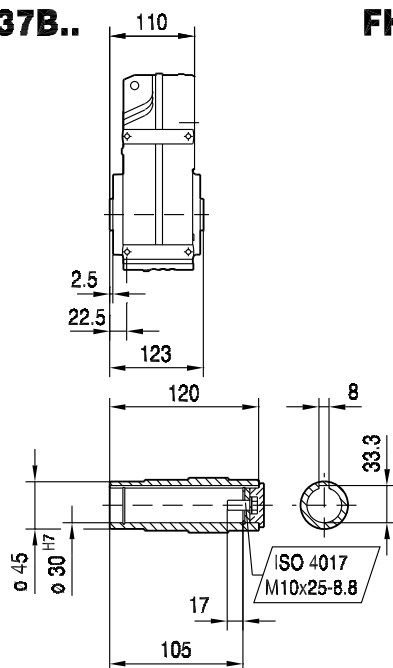
9.2.4 F 37 AQ.. [mm]

F37..

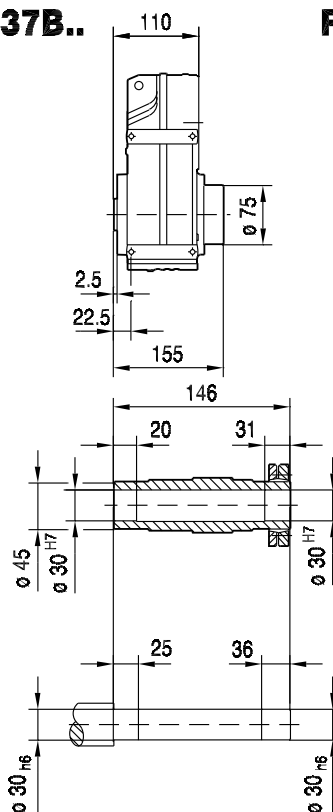
42 079 00 08^L



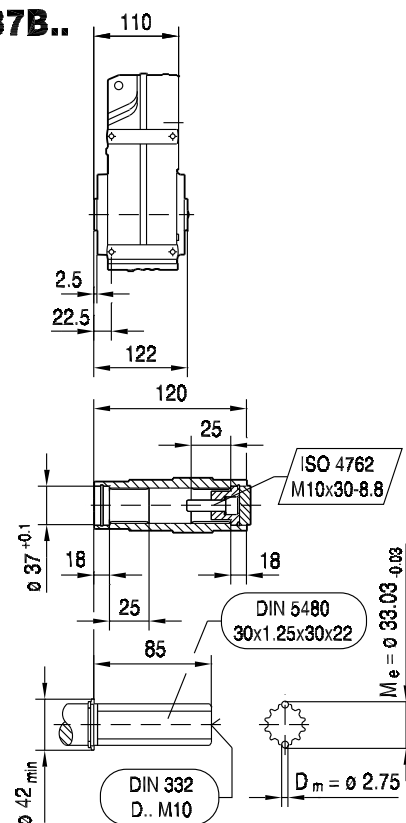
FA37B..



FH37B..



FV37B..

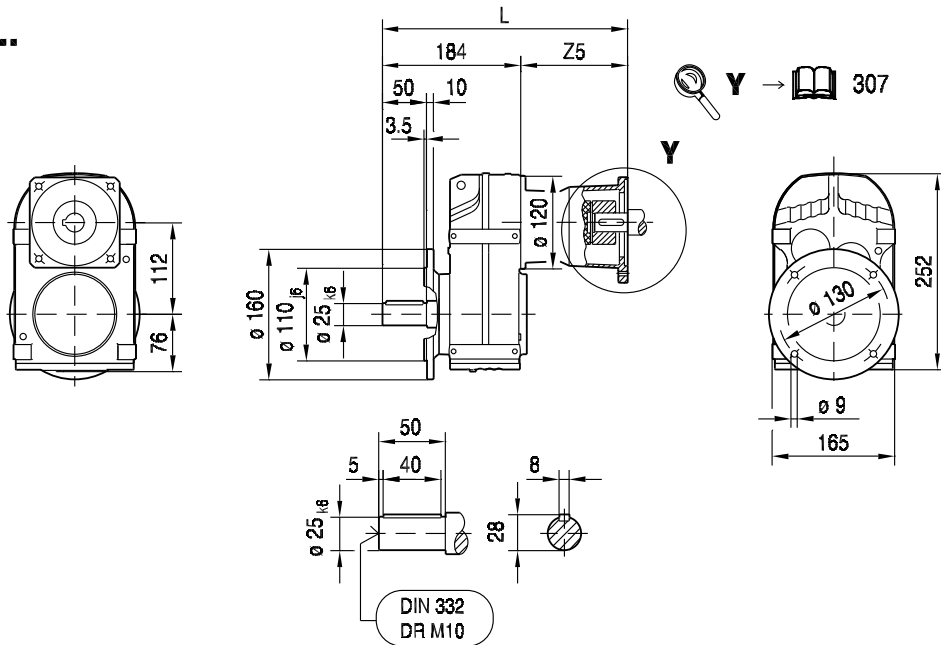


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	265	290	304	313				
Z5	104.5	129.5	143.5	152.5				



FF37..

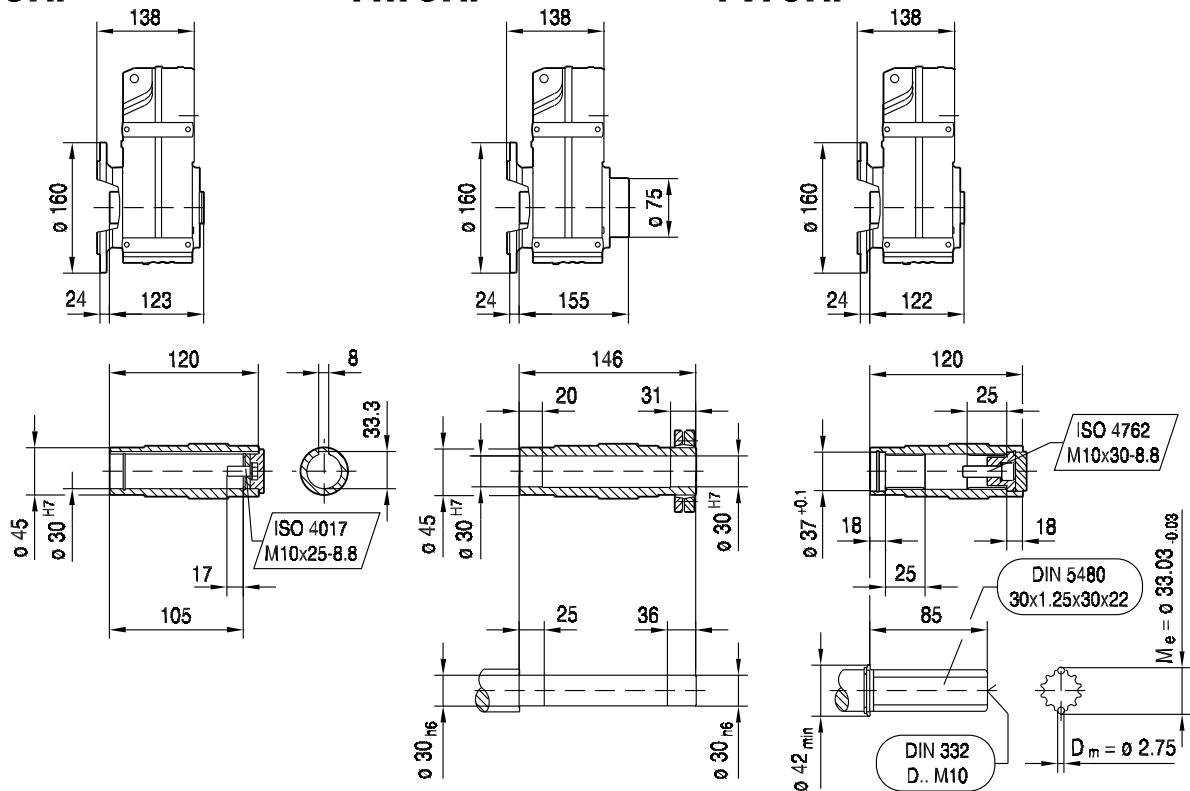
42 080 00 08^L



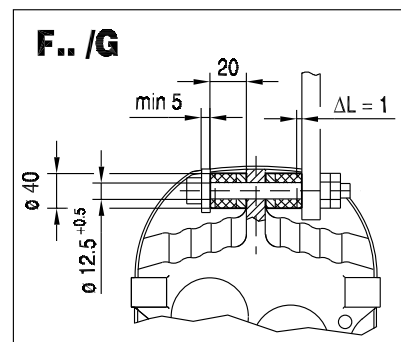
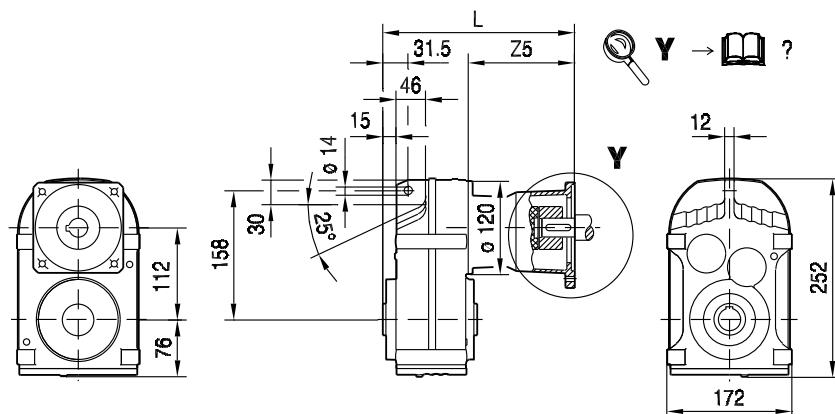
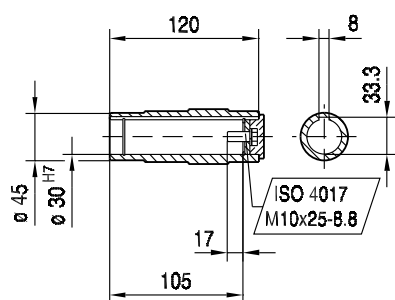
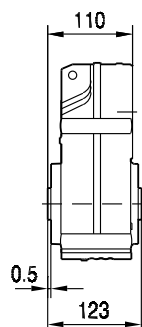
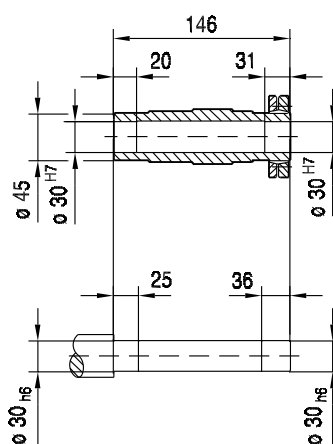
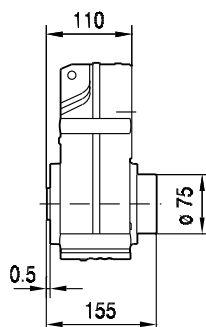
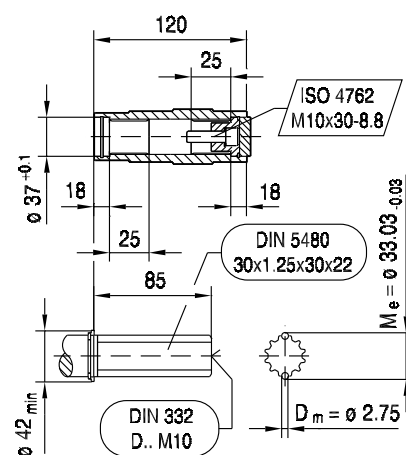
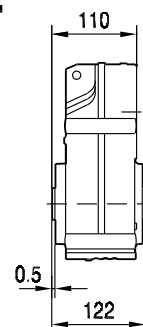
FAF37..

FHF37..

FVF37..



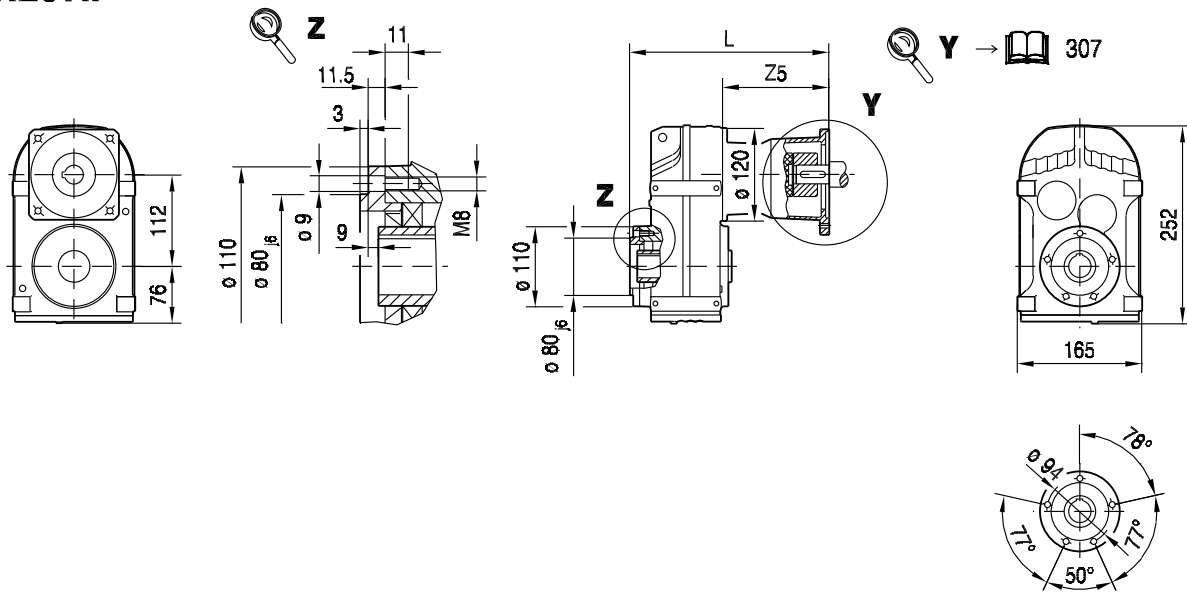
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	289	314	328	337				
Z5	104.5	129.5	143.5	152.5				

**FA37..**42 081 00 08^L**FA37..****FH37..****FV37..**

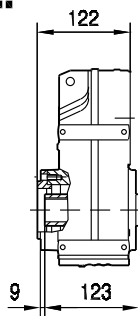
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	215	240	254	263				
Z5	104.5	129.5	143.5	152.5				

FAZ37..

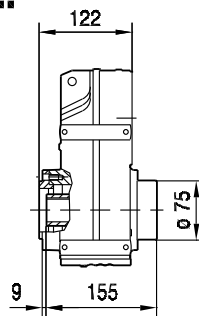
42 083 00 08



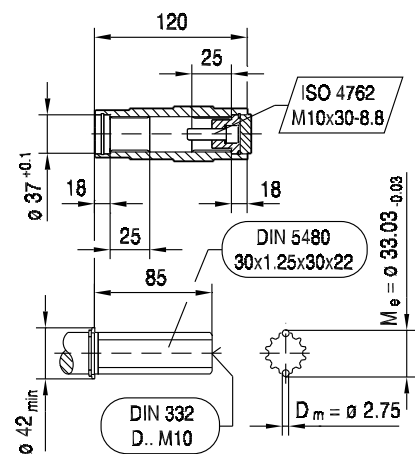
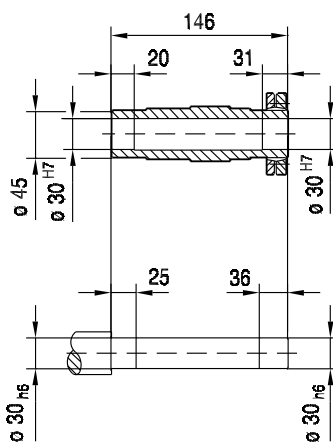
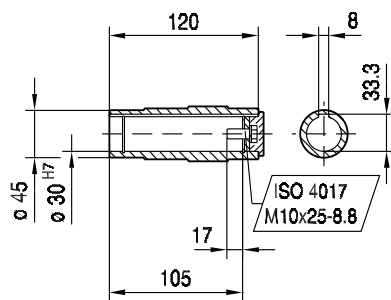
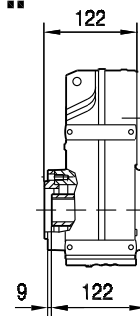
FAZ37..



FHZ37..



FVZ37..



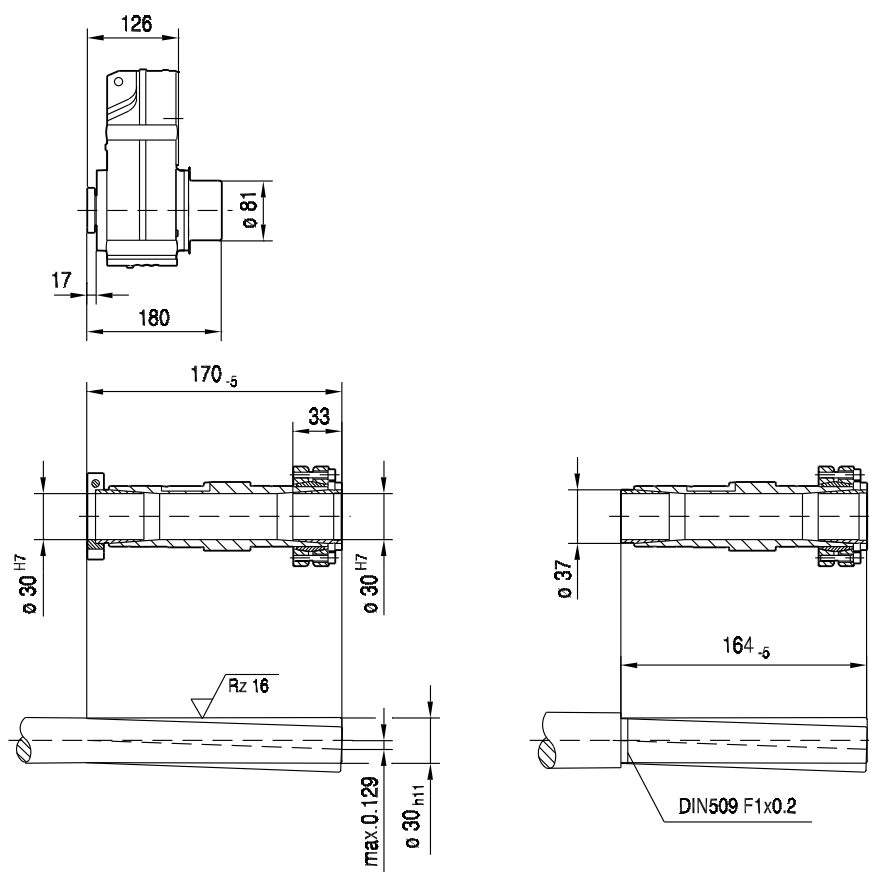
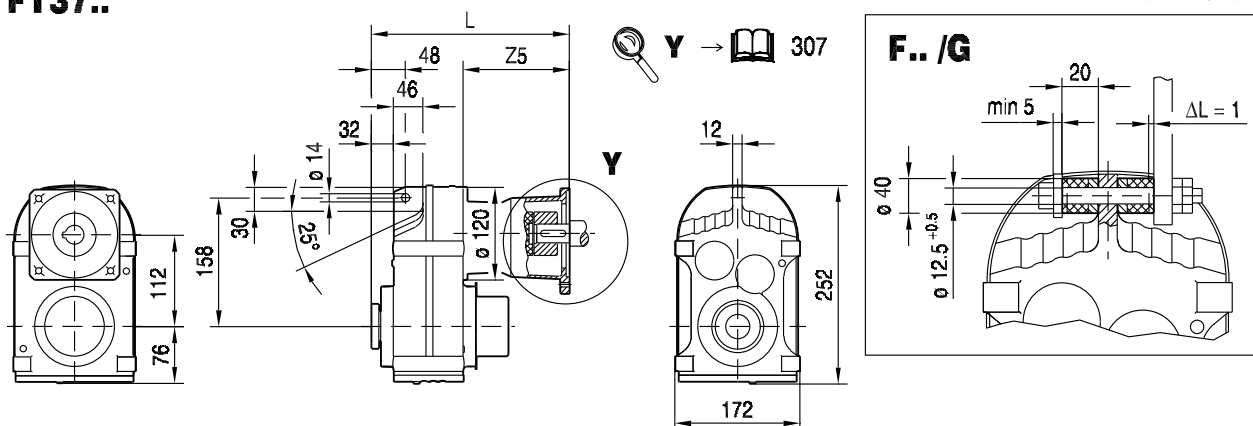
(→  144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	227	252	266	275				
Z5	104.5	129.5	143.5	152.5				



F..
F.. AQ..

FT37..

42 082 00 08^L



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	231	256	270	279				
Z5	104.5	129.5	143.5	152.5				



9.2.5 F 47 AQ.. [Nm]

[Nm]		AQ. M _{amax} M _{apk} M _{aNotaus}											
	i	80/1-3			100/1-4			115/1-2			115/3		
FA47 	4.99	84	84	164	84	84	169	84	84	169	225	225	225
	5.76	97	97	190	97	97	195	97	97	195	260	260	260
	6.34	107	107	205	107	107	215	107	107	215	290	290	290
	7.44	126	126	245	126	126	250	126	126	250	340	340	340
	7.88	133	133	260	133	133	265	133	133	265	360	360	360
	8.96	152	152	295	152	152	300	152	152	300	330	410	410
	10.97	186	186	360	186	186	370	186	186	370	400	435	500
	12.66	215	215	415	215	215	430	215	215	430	400	435	580
	13.93	235	235	455	235	235	470	235	235	470	400	435	640
	16.36	275	275	535	275	275	555	275	275	555	400	435	680
	17.33	290	290	570	290	290	585	290	290	585	400	435	680
	19.70	330	330	650	330	330	665	330	330	665	400	435	680
	21.82	370	370	680	370	370	680	370	370	680	400	435	680
	25.72	400	435	680	400	435	680	400	435	680	400	435	680
	29.32	400	435	680	400	435	680	400	435	680	400	435	680
	30.86	400	435	680	400	435	680	400	435	680	400	435	680
FA47 	28.88	400	435	680	400	435	680	400	435	680	400	435	680
	34.29	400	435	680	400	435	680	400	435	680	400	435	680
	36.61	400	435	680	400	435	680	400	435	680	400	435	680
	42.86	400	435	680	400	435	680	400	435	680	400	435	680
	48.00	400	435	680	400	435	680	400	435	680	400	435	680
	56.49	400	435	680	400	435	680	400	435	680	400	435	680
	65.36	400	435	680	400	435	680	400	435	680	400	435	680
	68.09	400	435	680	400	435	680	400	435	680	400	435	680
	79.72	400	435	680	400	435	680	400	435	680	400	435	680
	89.29	400	435	680	400	435	680	400	435	680	400	435	680
	105.09	400	435	680	400	435	680	400	435	680	400	435	680
	121.57	400	435	680	400	435	680	400	435	680	400	435	680
	130.07	400	435	680	400	435	680	400	435	680	400	435	680
	150.06	400	435	680	400	435	680	400	435	680	400	435	680
	175.38	400	435	680	400	435	680	400	435	680	400	435	680
	190.76	400	435	680	400	435	680	400	435	680	400	435	680

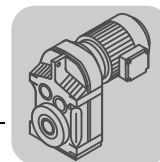
m [kg]		AQ.			
	s	80/1-3	100/1-4	115/1-2	115/3
FA47		19	20	21	21
FA47		20	21	21	21
FAF: + 2.7 kg / F: + 0.8 kg / FF: + 3.9 kg					

		AQ.			
		80/1-3	100/1-4	115/1-2	115/3
J _A 10 ⁻⁴	[kgm ²]	0.77	1.4	1.4	3.1
c _{TA}	[Nm/°]	0.25	0.25	0.25	0.625



FA47 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA47  2	4.99	320	435	544	341	4.4	1160	1160	2310	2410	10000	10000	900	900
	5.76	340	435	578	295	3.4	1180	1180	2390	2500	10000	10000	900	900
	6.34	350	435	595	284	2.9	1230	1230	2470	2580	10000	10000	900	900
	7.44	380	435	646	242	2.3	1190	1190	2530	2660	10000	10000	900	900
	7.88	380	435	646	254	2.1	1280	1280	2630	2750	10000	10000	900	900
	8.96	330	435	561	424	1.6	1970	1970	3250	3310	10000	10000	900	900
	10.97	400	435	680	346	2.6	2060	2060	3440	3510	10000	10000	900	900
	12.66	400	435	680	371	2.1	2320	2320	3740	3790	10000	10000	900	900
	13.93	400	435	680	388	1.8	2510	2510	3950	3990	10000	10000	900	900
	16.36	400	435	680	403	1.5	2840	2840	4320	4340	10000	10000	900	900
	17.33	400	435	680	398	1.4	2960	2960	4450	4470	10000	10000	900	900
	19.70	400	435	680	355	1.1	3230	3230	4770	4770	10000	10000	900	900
	21.82	400	435	680	321	0.96	3460	3460	5030	5020	10000	10000	900	900
	25.72	400	435	680	272	0.75	3850	3850	5460	5430	10000	10000	900	900
	29.32	400	435	680	239	0.52	4170	4170	5830	5780	10000	10000	900	900
	30.86	400	435	680	227	0.46	4300	4300	5920	5920	10000	10000	900	900
FA47  3	28.88	400	435	680	111	1.1	4130	4130	5790	5740	10000	10000	900	900
	34.29	400	435	680	111	0.85	4580	4580	5920	5920	10000	10000	900	900
	36.61	400	435	680	112	0.76	4750	4750	5920	5920	10000	10000	900	900
	42.86	400	435	680	112	0.58	5190	5190	5920	5920	10000	10000	900	900
	48.00	400	435	680	113	0.48	5520	5520	5920	5920	10000	10000	900	900
	56.49	400	435	680	113	0.36	6020	6020	5920	5920	10000	10000	900	900
	65.36	400	435	680	107	0.29	6490	6490	5920	5920	10000	10000	900	900
	68.09	400	435	680	103	0.61	6620	6620	5920	5920	10000	10000	900	900
	79.72	400	435	680	88	0.48	7160	7160	5920	5920	10000	10000	900	900
	89.29	400	435	680	78	0.40	7570	7570	5920	5920	10000	10000	900	900
	105.09	400	435	680	67	0.30	8180	8180	5920	5920	10000	10000	900	900
	121.57	400	435	680	58	0.25	8760	8760	5920	5920	10000	10000	900	900
	130.07	400	435	680	54	0.23	9040	9040	5920	5920	10000	10000	900	900
	150.06	400	435	680	47	0.18	9640	9640	5920	5920	10000	10000	900	900
	175.38	400	435	680	40	0.14	10000	10000	5920	5920	10000	10000	900	900
	190.76	400	435	680	37	0.13	10000	10000	5920	5920	10000	10000	900	900

AQ.		n_{epk} [1/min]	η [%]	C_{TG}				ϕ /R [°]
	i			FA [Nm/°]	FAF [Nm/°]	F [Nm/°]	FF [Nm/°]	
FA47  2	4.99	4500	97	99	99	34	30	9
	5.76	4500	97	99	99	34	30	9
	6.34	4500	97	99	99	34	30	8
	7.44	4500	97	99	99	34	30	8
	7.88	4500	97	99	99	34	30	8
	8.96	4500	97	99	99	34	30	8
	10.97	4500	97	125	125	37	32	6
	12.66	4500	97	125	125	37	32	6
	13.93	4500	97	125	125	37	32	6
	16.36	4500	97	125	125	37	32	6
	17.33	4500	97	125	125	37	32	6
	19.70	4500	97	125	125	37	32	6
	21.82	4500	97	125	125	37	32	6
	25.72	4500	97	125	125	37	32	6
	29.32	4500	97	125	125	37	32	6
	30.86	4500	97	125	125	37	32	6



AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	c _{TG}		F [Nm/']	FF [Nm/']	φ /R [°]
	i				FAF [Nm/']				
FA47  3	28.88	4500	96	136	136		38	33	7
	34.29	4500	96	136	136		38	33	7
	36.61	4500	96	136	136		38	33	7
	42.86	4500	96	136	136		38	33	7
	48.00	4500	95	136	136		38	33	7
	56.49	4500	95	136	136		38	33	7
	65.36	4500	95	136	136		38	33	7
	68.09	4500	95	138	138		38	33	6
	79.72	4500	95	138	138		38	33	6
	89.29	4500	95	138	138		38	33	6
	105.09	4500	94	138	138		38	33	6
	121.57	4500	94	138	138		38	33	6
	130.07	4500	94	138	138		38	33	6
	150.06	4500	93	138	138		38	33	6
	175.38	4500	93	138	138		38	33	6
	190.76	4500	92	138	138		38	33	6

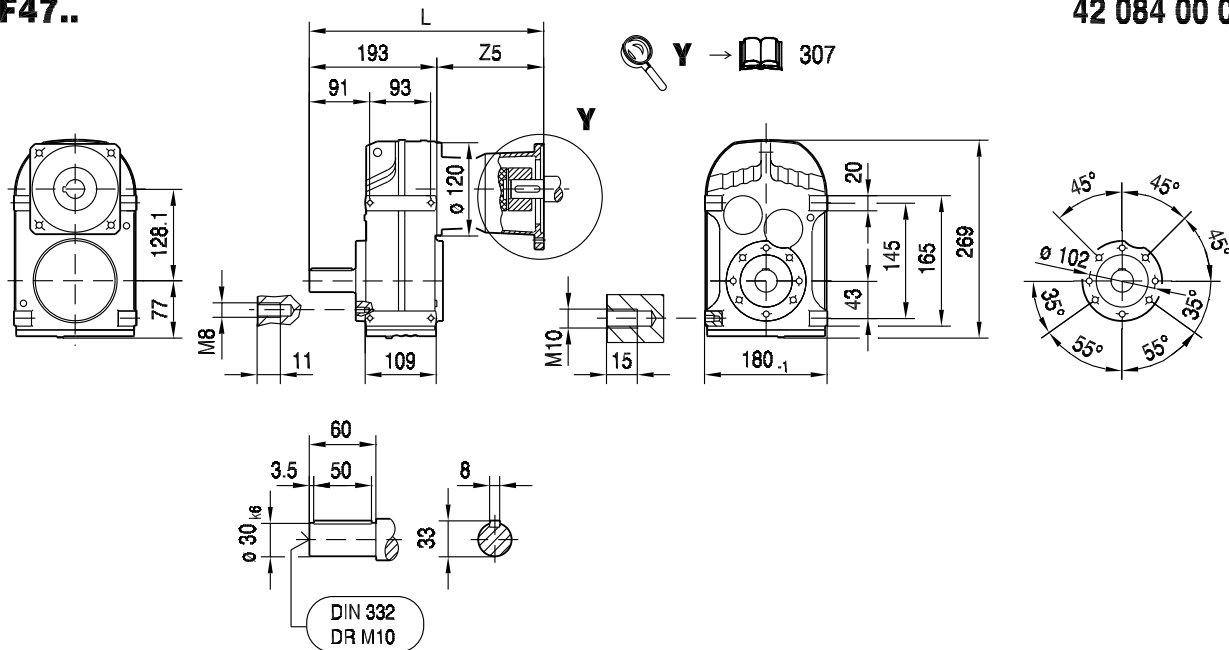


F..
F.. AQ..

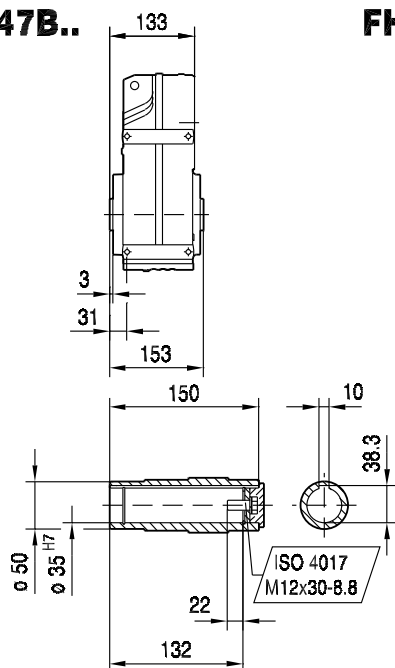
9.2.6 F 47 AQ.. [mm]

F47..

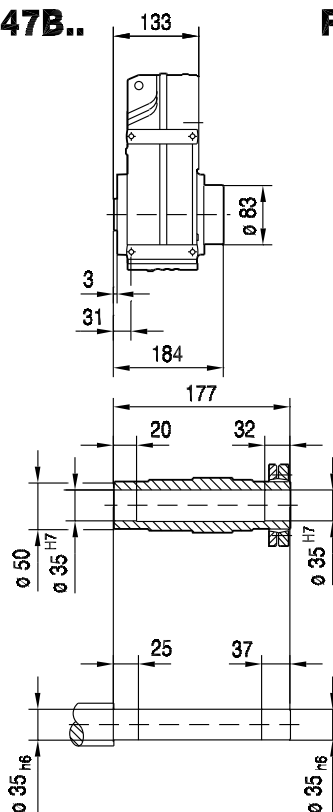
42 084 00 08



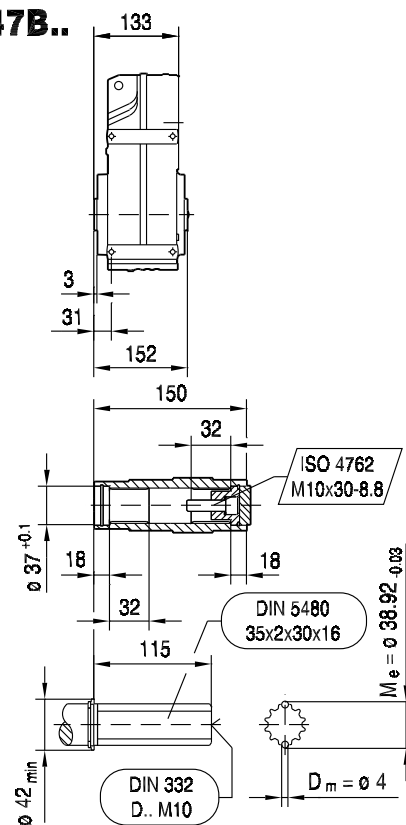
FA47B..



FH47B..



FV47B..

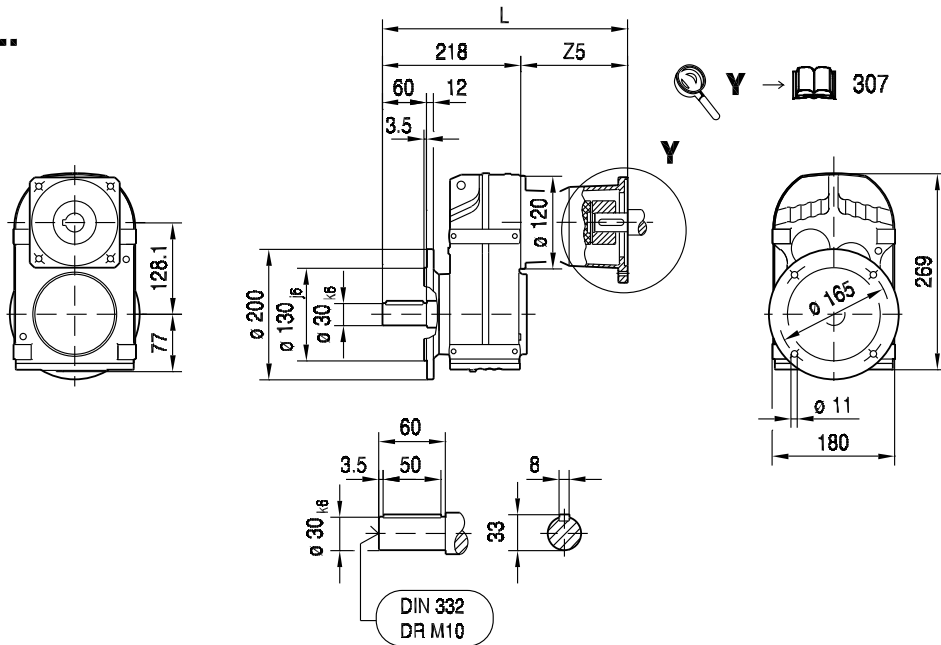


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	298	323	337	346				
Z5	104.5	129.5	143.5	152.5				



FF47..

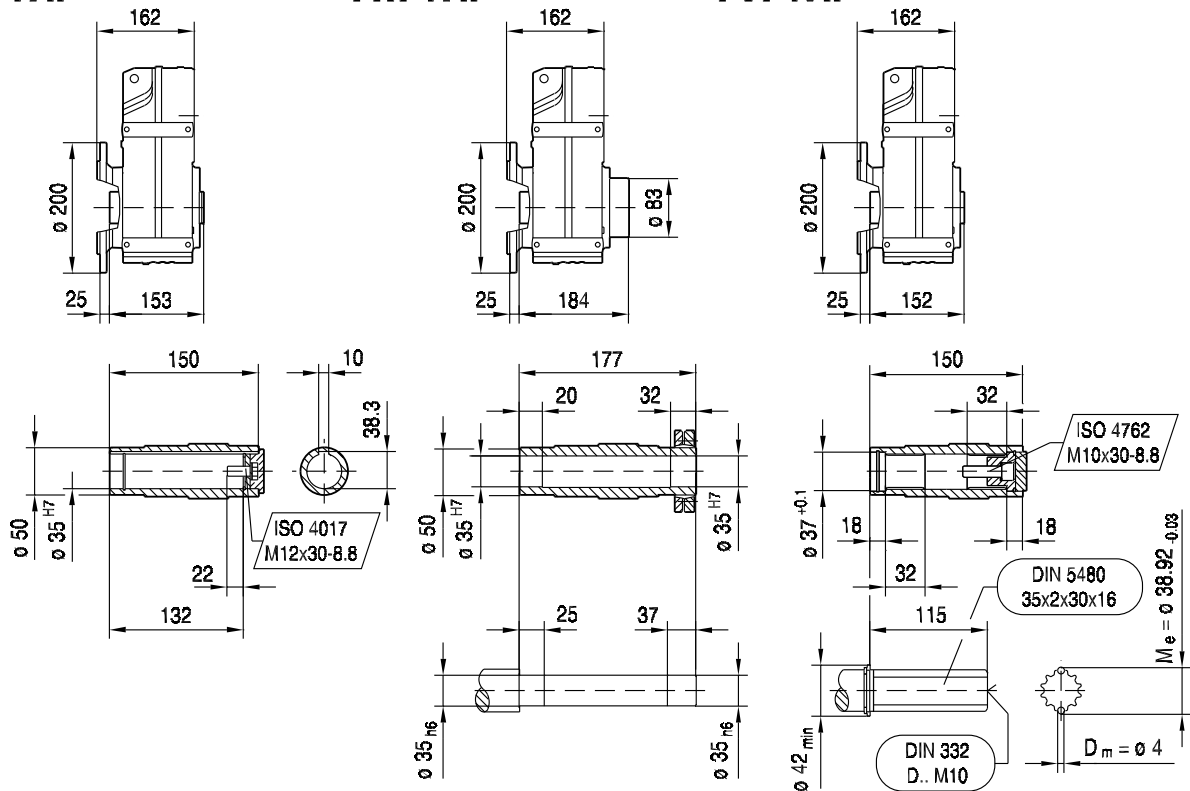
42 085 00 08^L



FAF47..

FHF47..

FVF47..



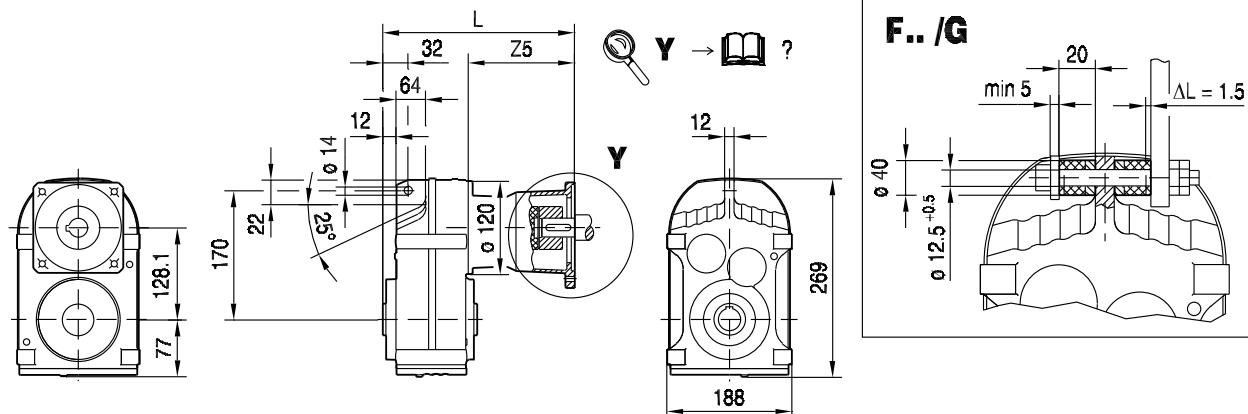
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	323	348	362	371				
Z5	104.5	129.5	143.5	152.5				



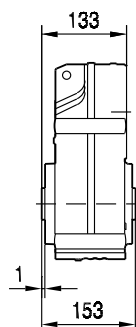
F..
F.. AQ..

FA47..

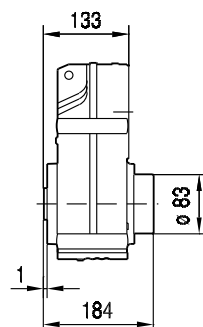
42 086 00 08^L



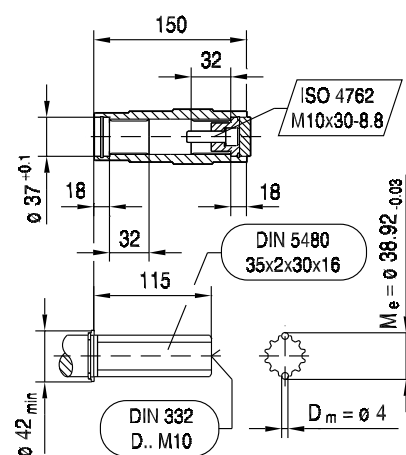
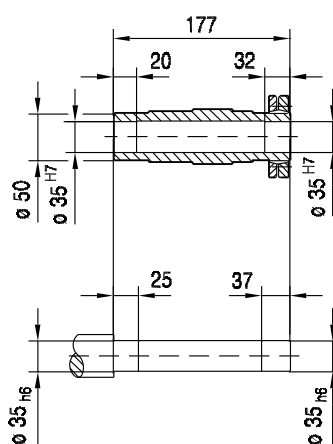
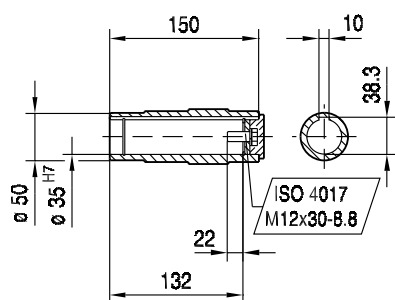
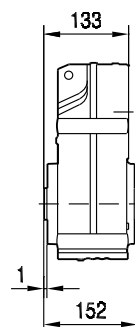
FA47..



FH47..



FV47..

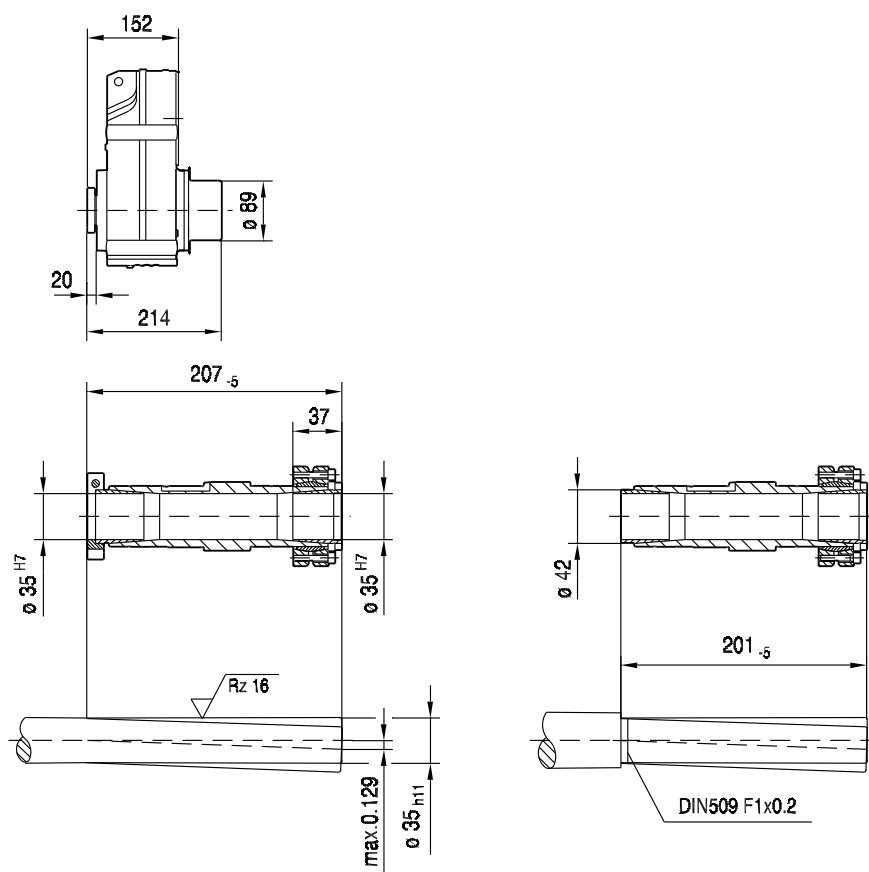
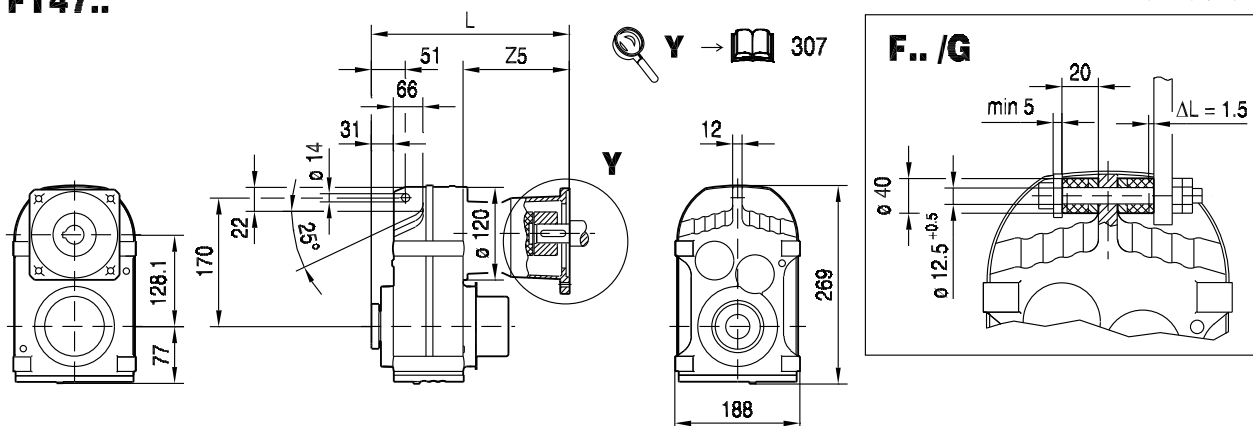


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	238	263	277	286				
Z5	104.5	129.5	143.5	152.5				

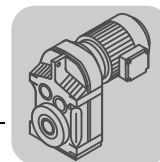


FT47..

42 087 00 08



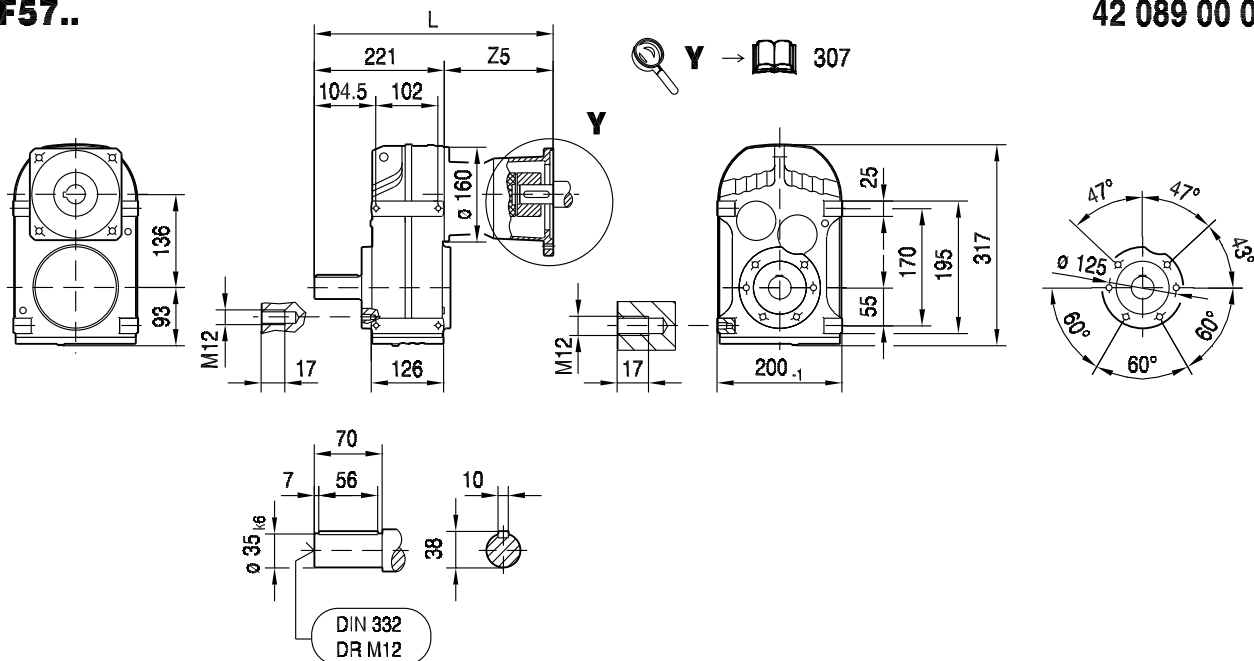
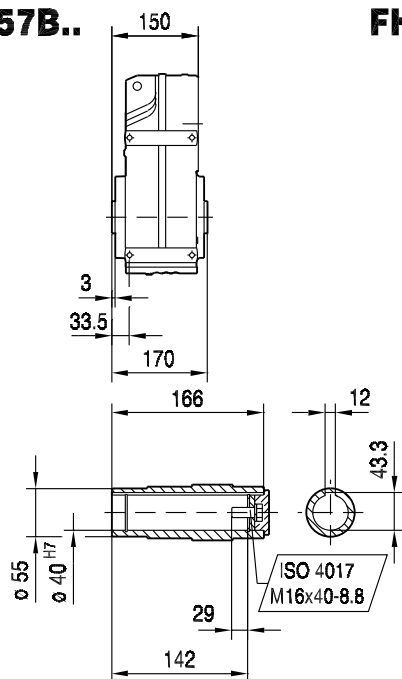
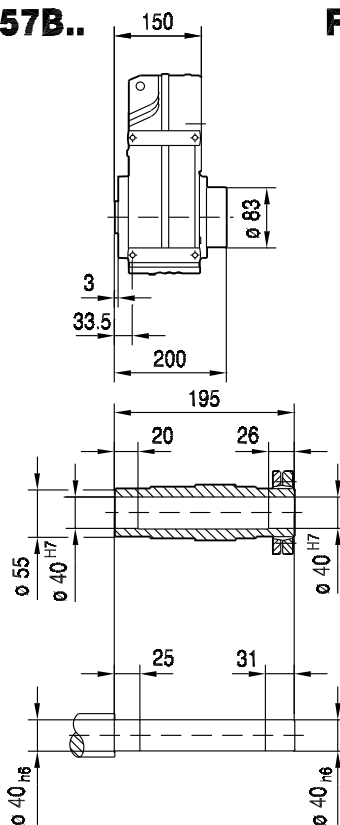
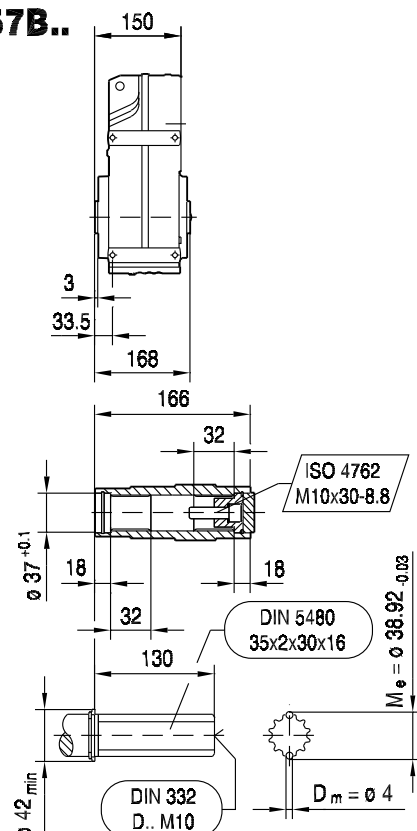
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	257	282	296	305				
Z5	104.5	129.5	143.5	152.5				



AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	c _{TG}		F [Nm/']	FF [Nm/']	φ /R [°]
	i				FAF [Nm/']				
FA57  3	30.15	4500	96	169	169		49	41	7
	35.79	4500	96	169	169		49	41	7
	38.21	4500	96	169	169		49	41	7
	44.73	4500	96	169	169		49	41	7
	50.10	4500	96	169	169		49	41	7
	58.97	4500	95	169	169		49	41	7
	68.22	4500	95	169	169		49	41	6
	72.98	4500	95	169	169		49	41	6
	83.46	4500	95	171	171		49	42	6
	93.47	4500	95	171	171		49	42	6
	110.01	4500	94	171	171		49	42	6
	127.27	4500	94	171	171		49	42	6
	136.16	4500	94	171	171		49	42	6
	157.09	4500	94	171	171		49	42	6
	183.60	4500	93	171	171		49	42	6
	199.70	4500	93	171	171		49	42	6

9.2.8 F 57 AQ.. [mm]
F57..

42 089 00 08

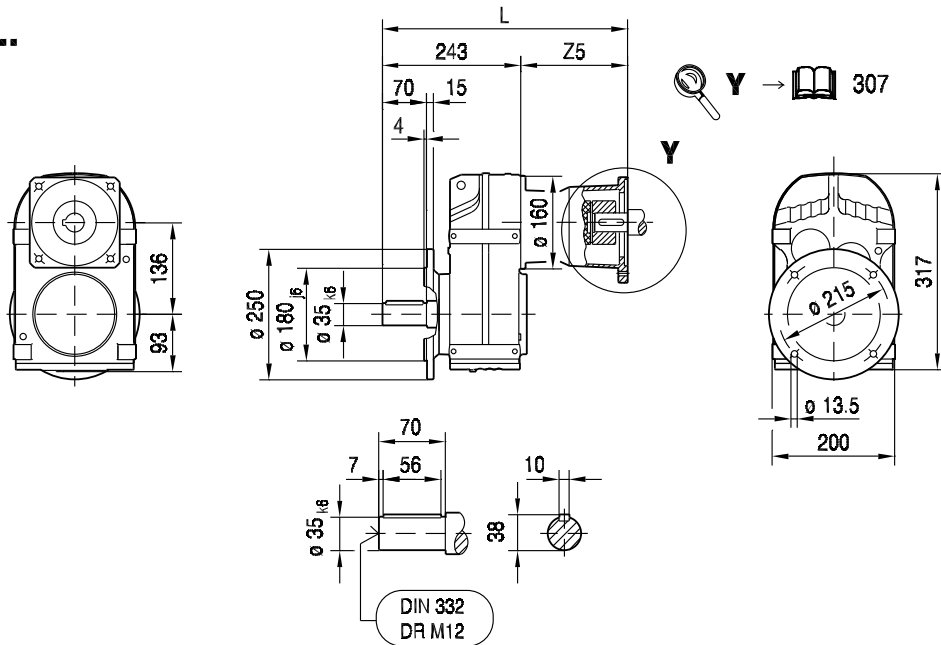
**FA57B..****FH57B..****FV57B..**

(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	319	344	358	367	396	409	409	459	483
Z5	98	123	137	146	175	188	188	237.5	261.5



FF57..

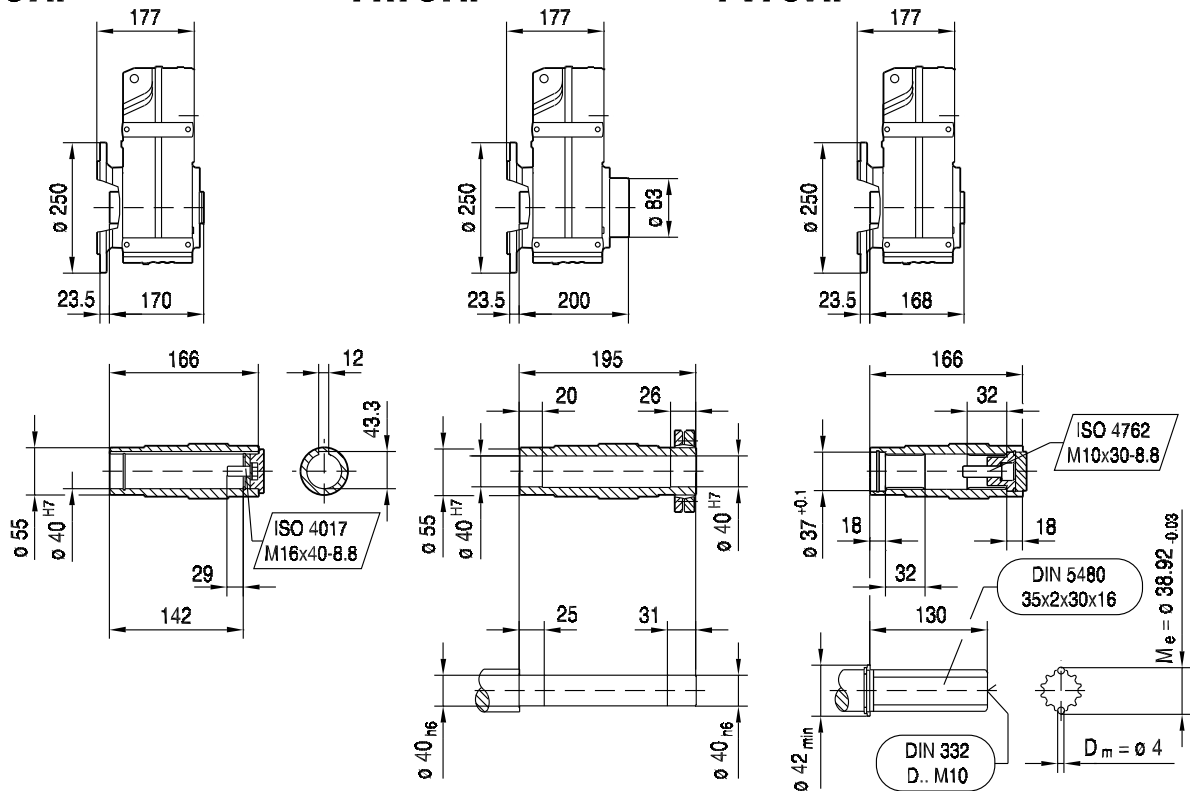
42 090 00 08^L



FAF57..

FHF57..

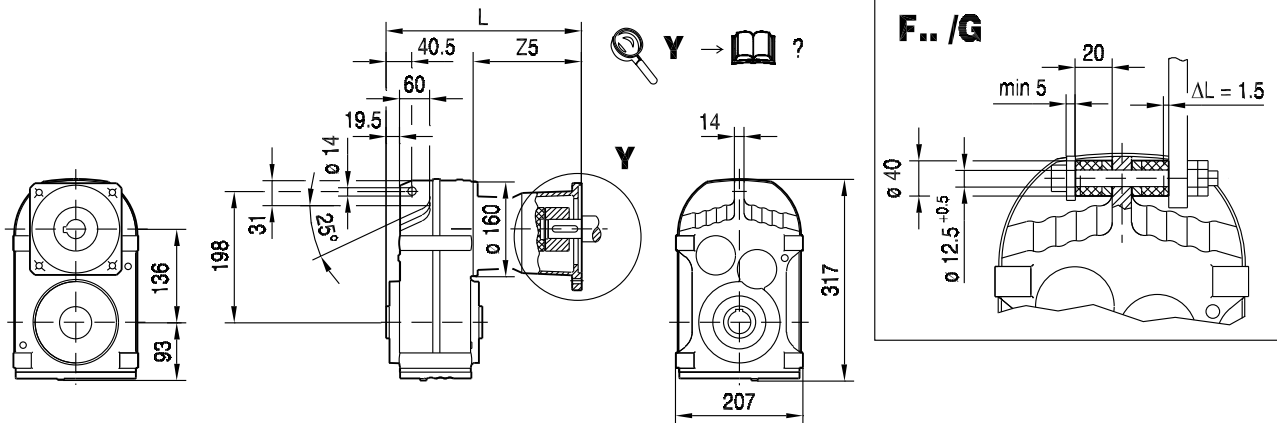
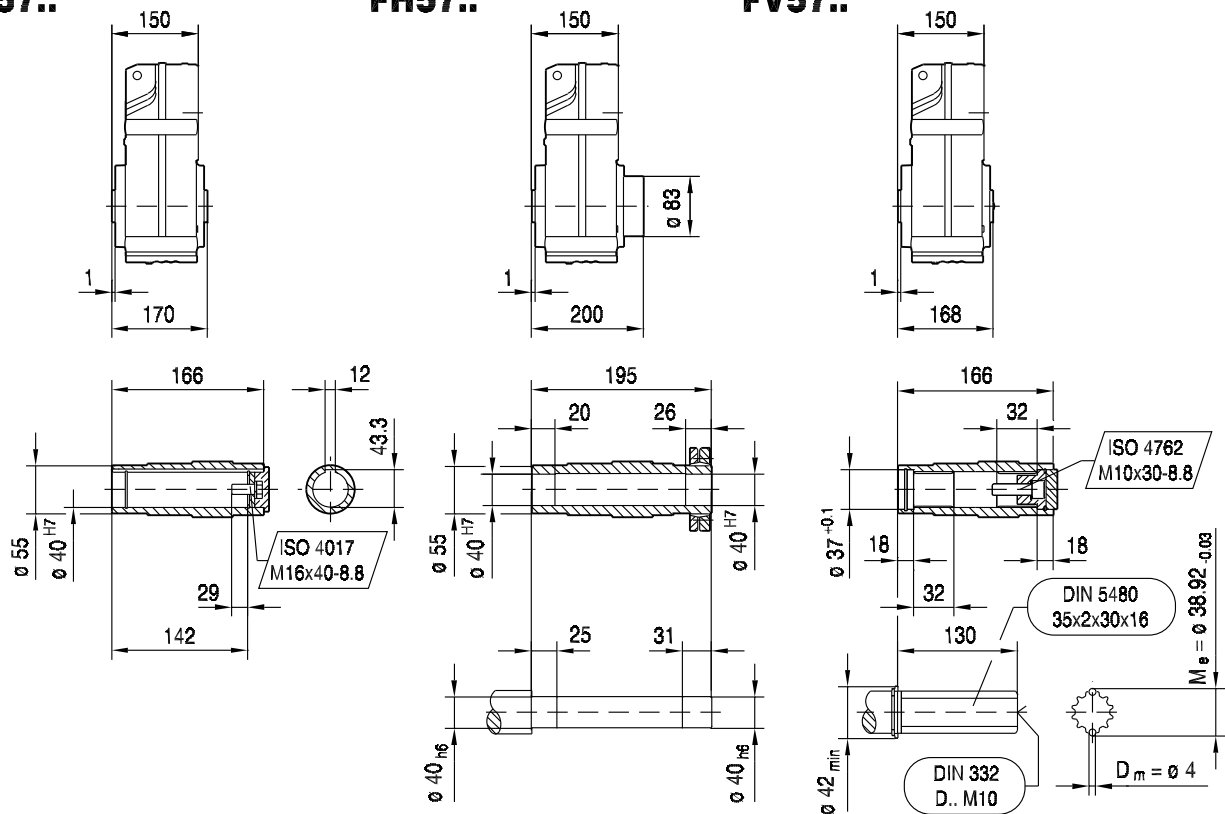
FVF57..



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	341	366	380	389	418	431	431	481	505
Z5	98	123	137	146	175	188	188	237.5	261.5

**FA57..**

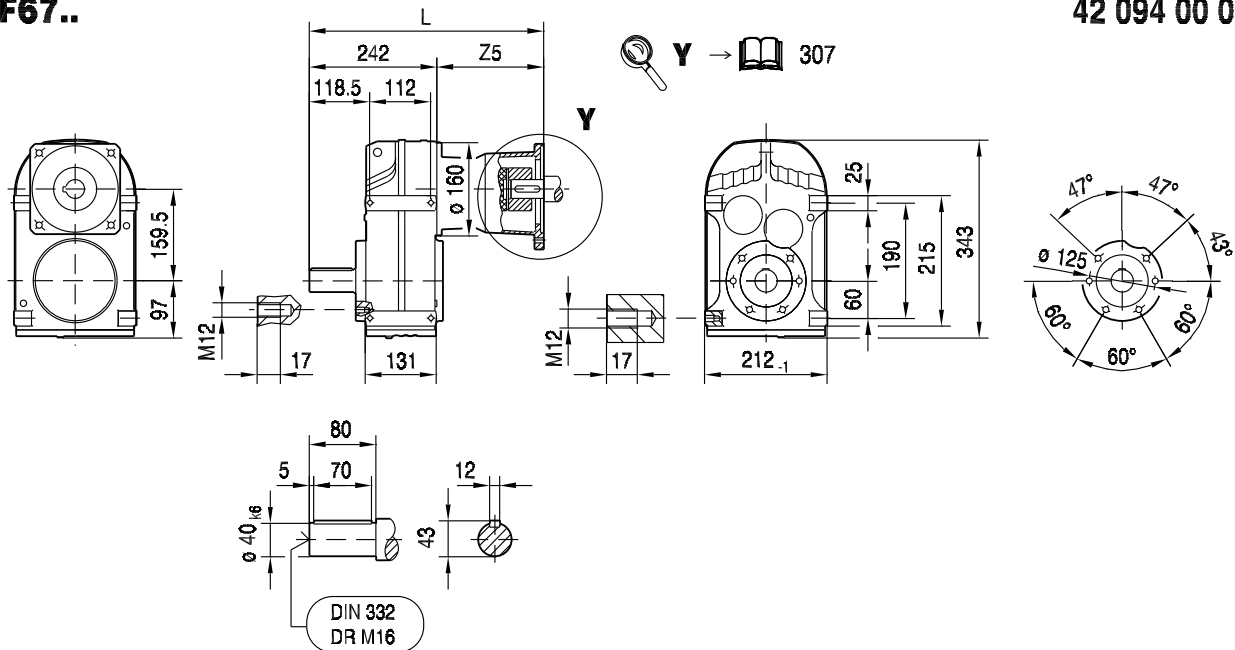
42 091 00 08

**FA57..****FH57..****FV57..**

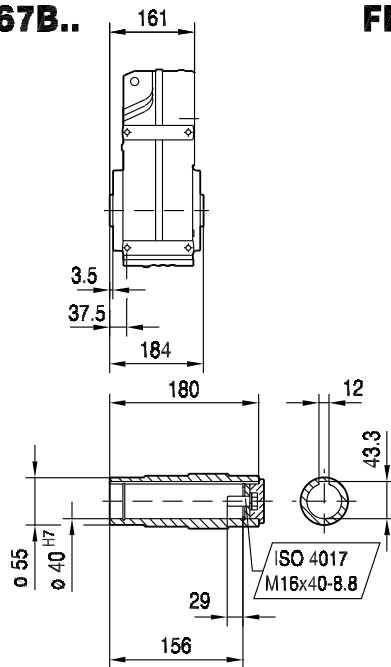
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	248	273	287	296	325	338	338	388	412
Z5	98	123	137	146	175	188	188	237.5	261.5

F67..

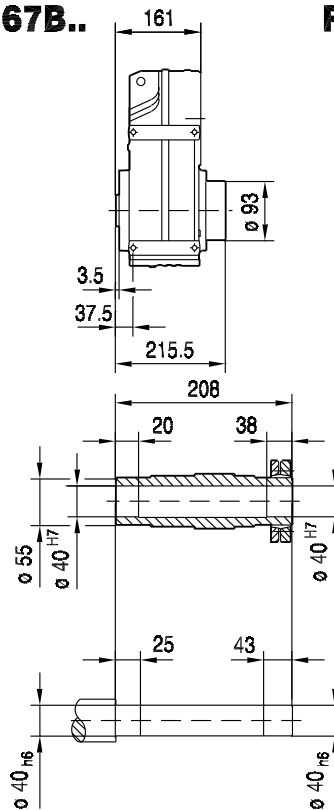
42 094 00 08



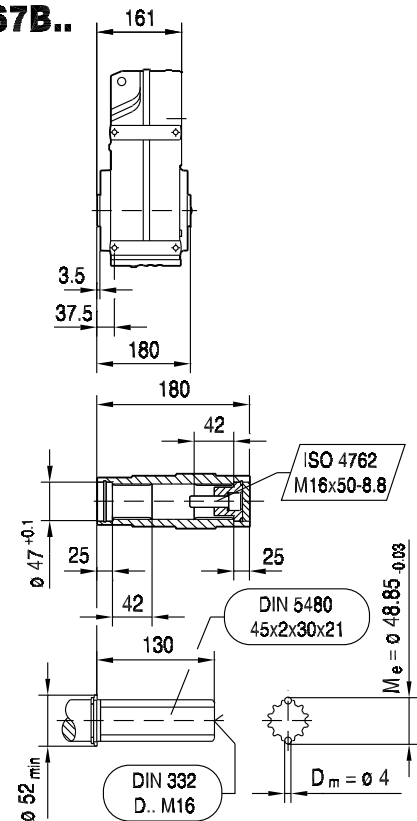
FA67B..



FH67B..



FV67B..



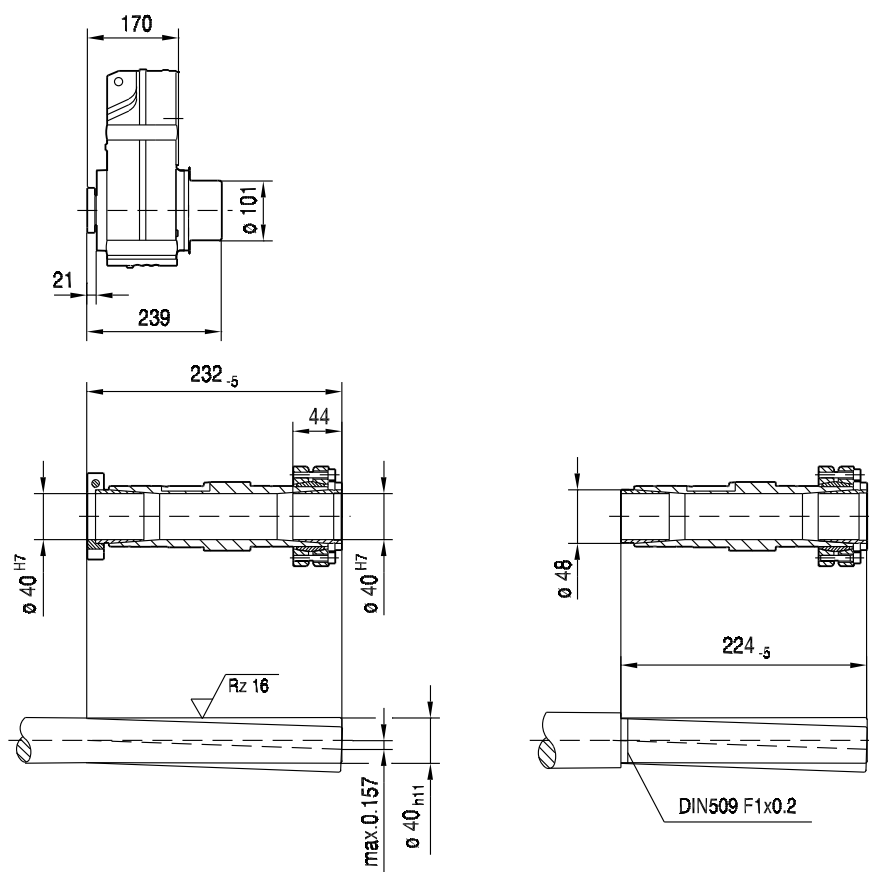
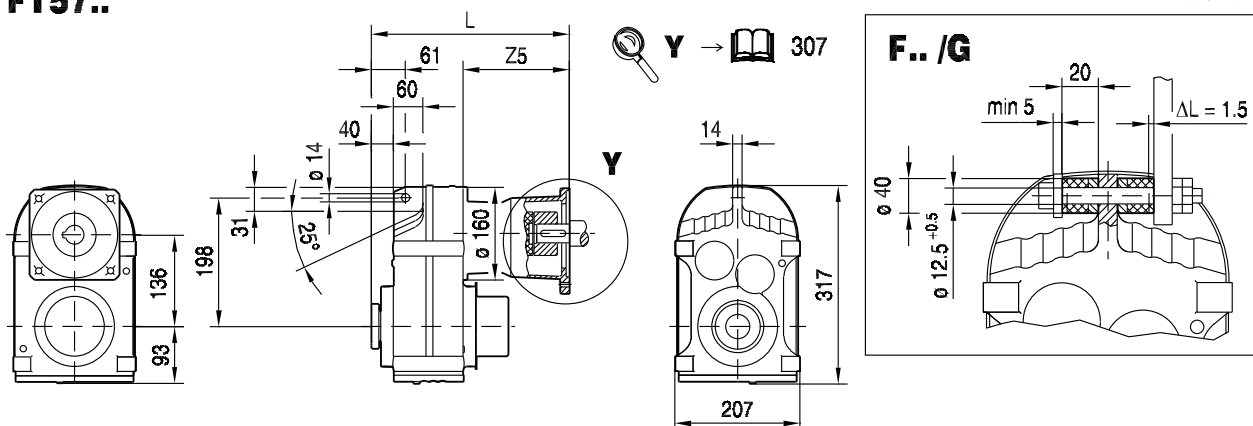
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	260	285	299	308	337	350	350	400	424
Z5	98	123	137	146	175	188	188	237.5	261.5



F..
F.. AQ..

FT57..

42 092 00 08^L



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	268	293	307	316	345	358	358	408	432
Z5	98	123	137	146	175	188	188	237.5	261.5



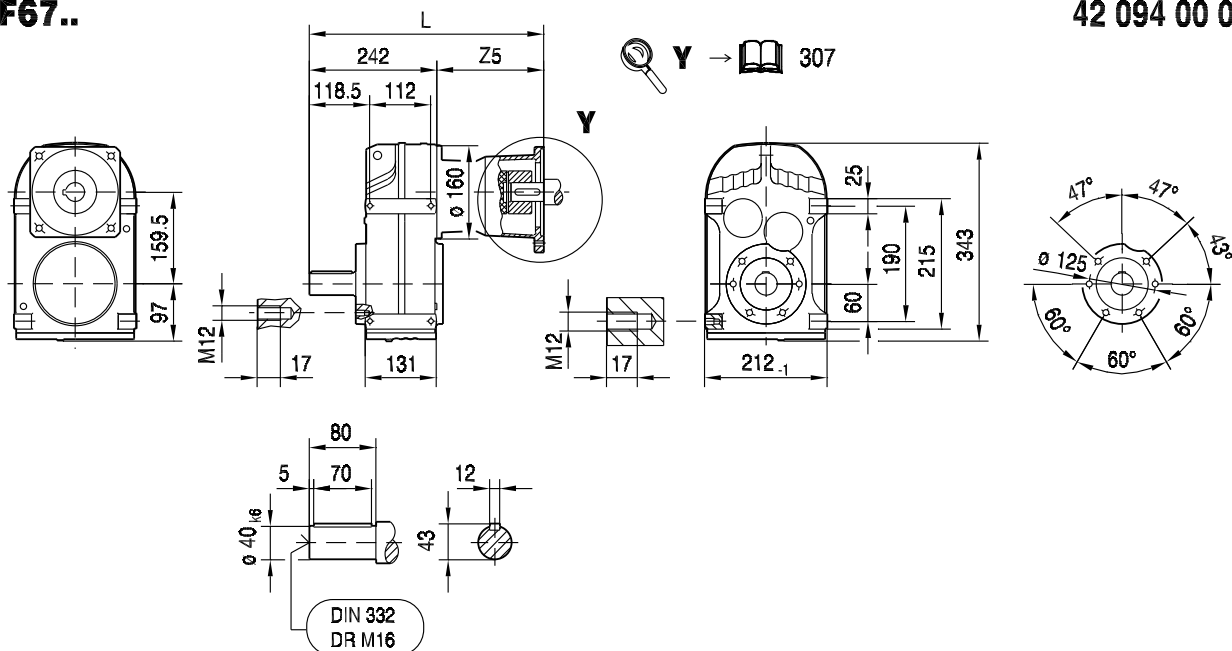
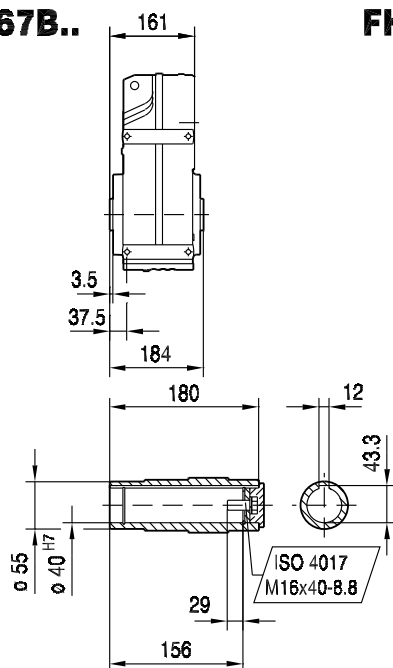
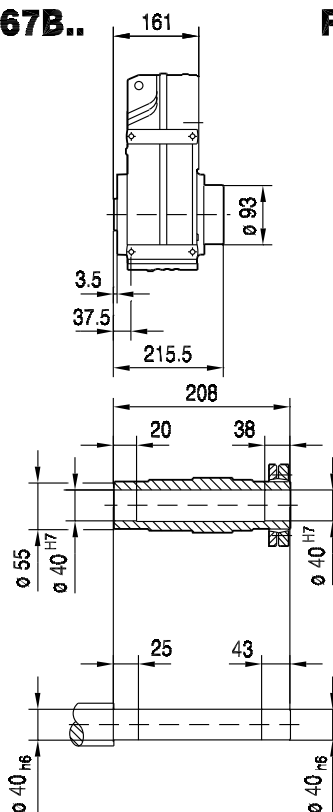
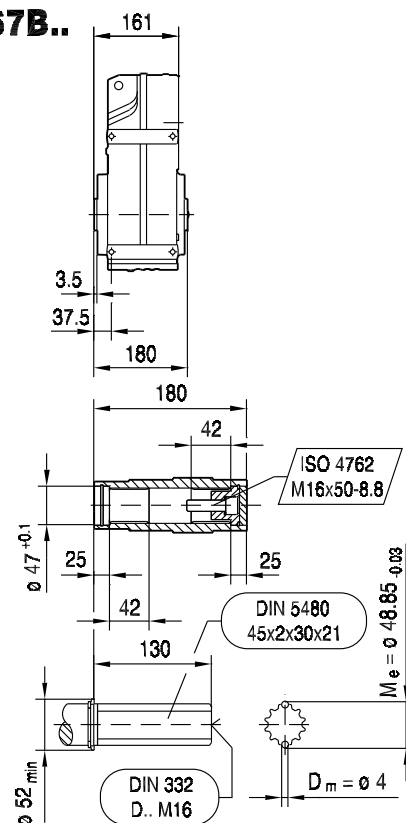
FA67 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA67  2	3.97	500	695	850	403	16	1220	1220	8390	8620	13000	13000	11300	11300
	4.66	560	700	952	322	12	1020	1020	8590	8860	13000	13000	11300	11300
	5.25	590	705	1003	286	10.0	1010	1010	8850	9140	13000	13000	11200	11200
	5.95	610	705	1037	286	8.0	1090	1090	9200	9500	13000	13000	11200	11200
	6.78	620	710	1054	295	6.3	1280	1280	9660	9950	13000	13000	11200	11200
	7.53	610	715	1037	332	5.5	1570	1570	10100	10400	13000	13000	11200	11200
	8.60	570	715	969	442	4.4	2180	2180	10900	11200	13000	13000	11200	11200
	9.08	530	715	901	573	4.0	2620	2620	11400	11600	13000	13000	11200	11200
	9.66	820	920	1394	186	8.5	1580	1580	10300	10300	13000	13000	9310	9310
	11.31	820	920	1394	203	6.7	1960	1960	10300	10300	13000	13000	9310	9310
	12.76	820	920	1394	212	5.6	2260	2260	10300	10300	13000	13000	9310	9310
	14.46	820	920	1394	228	4.6	2580	2580	10300	10300	13000	13000	9310	9310
	16.48	820	920	1394	237	3.8	2940	2940	10300	10300	13000	13000	9310	9310
	18.29	820	920	1394	252	3.4	3230	3230	10300	10300	13000	13000	9310	9310
	20.90	820	920	1394	263	2.7	3620	3620	10300	10300	13000	13000	9310	9310
	22.05	820	920	1394	268	2.5	3780	3780	10300	10300	13000	13000	9310	9310
	25.13	820	920	1394	275	2.0	4190	4190	10300	10300	13000	13000	9310	9310
	27.41	820	920	1394	255	1.7	4470	4470	10300	10300	13000	13000	9310	9310
FA67  3	32.08	820	920	1394	218	1.4	5000	5000	10300	10300	13000	13000	9310	9310
	36.30	820	920	1394	193	0.98	5440	5440	10300	10300	13000	13000	9310	9310
	34.01	740	920	1258	44	2.8	5730	5730	11000	11000	13000	13000	9310	9310
	39.26	780	920	1326	38	2.2	5980	5980	10700	10700	13000	13000	9310	9310
	43.20	820	920	1394	35	1.9	6080	6080	10300	10300	13000	13000	9310	9310
	50.74	820	920	1394	34	1.6	6710	6710	10300	10300	13000	13000	9310	9310
	53.73	820	920	1394	34	1.4	6940	6940	10300	10300	13000	13000	9310	9310
	61.07	820	920	1394	34	1.1	7480	7480	10300	10300	13000	13000	9310	9310
	67.65	820	920	1394	35	0.97	7930	7930	10300	10300	13000	13000	9310	9310
	79.76	820	920	1394	36	0.76	8680	8680	10300	10300	13000	13000	9310	9310
	90.59	820	920	1394	56	1.4	9290	9290	10300	10300	13000	13000	9310	9310
	95.94	820	920	1394	56	1.2	9570	9570	10300	10300	13000	13000	9310	9310
	109.04	820	920	1394	57	0.98	10200	10200	10300	10300	13000	13000	9310	9310
	120.79	820	920	1394	57	0.85	10800	10800	10300	10300	13000	13000	9310	9310
	142.40	820	920	1394	49	0.68	11700	11700	10300	10300	13000	13000	9310	9310
	162.31	820	920	1394	43	0.47	12400	12400	10300	10300	13000	13000	9310	9310
	170.85	820	920	1394	41	0.42	12700	12700	10300	10300	13000	13000	9310	9310
	195.39	820	920	1394	36	0.34	13000	13000	10300	10300	13000	13000	9310	9310
	228.99	820	920	1394	31	0.27	13000	13000	10300	10300	13000	13000	9310	9310



AQ.		n _{epk} [1/min]	η [%]	c _{TG}		F [Nm/']	FF [Nm/']	φ /R [°]
	i			FA [Nm/']	FAF [Nm/']			
FA67  2	3.97	4500	97	129	129	68	62	10
	4.66	4500	97	129	129	68	62	9
	5.25	4500	97	129	129	68	62	9
	5.95	4500	98	129	129	68	62	9
	6.78	4500	97	129	129	68	62	9
	7.53	4500	97	129	129	68	62	8
	8.60	4500	97	129	129	68	62	8
	9.08	4500	97	129	129	68	62	8
	9.66	4500	97	173	173	79	71	6
	11.31	4500	97	173	173	79	71	6
	12.76	4500	97	173	173	79	71	6
	14.46	4500	97	173	173	79	71	6
	16.48	4500	97	173	173	79	71	6
	18.29	4500	97	173	173	79	71	6
	20.90	4500	97	173	173	79	71	5
	22.05	4500	97	173	173	79	71	5
	25.13	4500	97	173	173	79	71	5
	27.41	4500	97	173	173	79	71	5
FA67  3	32.08	4500	97	173	173	79	71	5
	36.30	4500	97	173	173	79	71	5
	34.01	4500	96	187	187	82	74	6
	39.26	4500	96	187	187	82	74	6
	43.20	4500	96	187	187	82	74	6
	50.74	4500	96	187	187	82	74	6
	53.73	4500	96	187	187	82	74	6
	61.07	4500	95	187	187	82	74	6
	67.65	4500	95	187	187	82	74	6
	79.76	4500	95	187	187	82	74	6
	90.59	4500	95	189	189	82	74	6
	95.94	4500	95	189	189	82	74	6
	109.04	4500	95	189	189	82	74	6
	120.79	4500	94	189	189	82	74	6
	142.40	4500	94	189	189	82	74	6
	162.31	4500	94	189	189	82	74	6
	170.85	4500	93	189	189	82	74	6
	195.39	4500	93	189	189	82	74	6
	228.99	4500	93	189	189	82	74	6



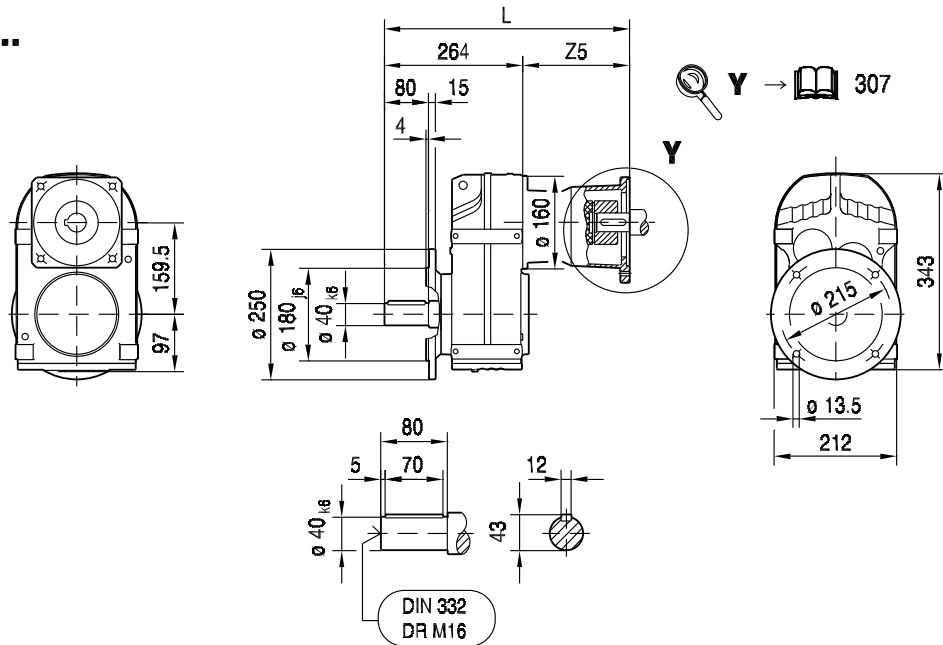
9.2.10 F 67 AQ.. [mm]

F67..42 094 00 08^L**FA67B..****FH67B..****FV67B..**

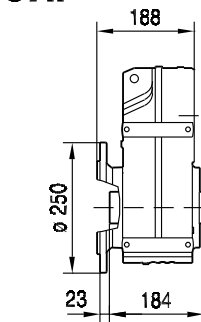
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	340	365	379	388	417	430	430	480	504
Z5	98	123	137	146	175	188	188	237.5	261.5

FF67..

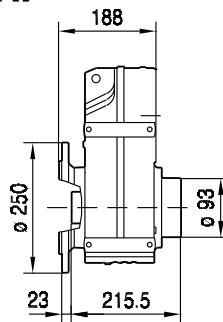
42 095 00 08



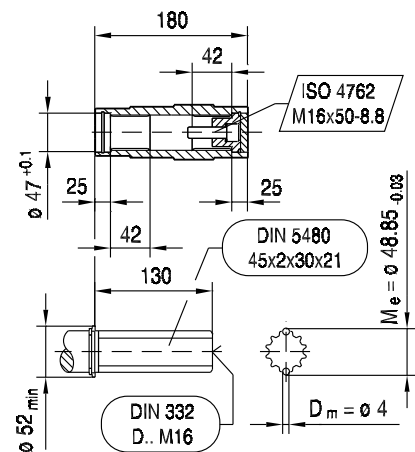
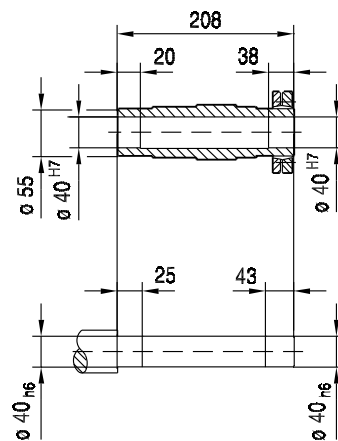
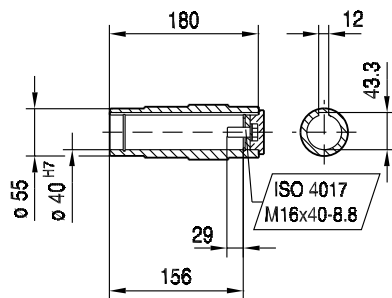
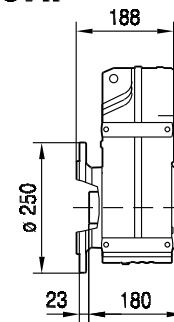
FAF67..



FHF67..



FVF67..



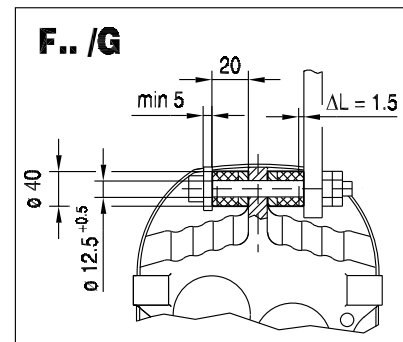
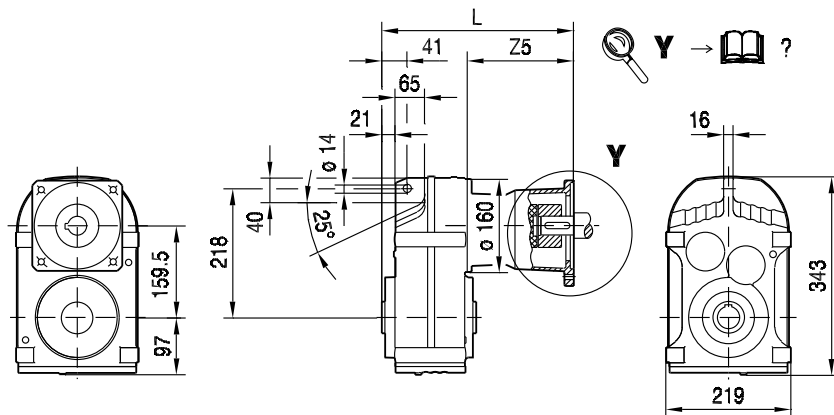
(→  144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	362	387	401	410	439	452	452	502	526
Z5	98	123	137	146	175	188	188	237.5	261.5



F..
F.. AQ..

FA67..

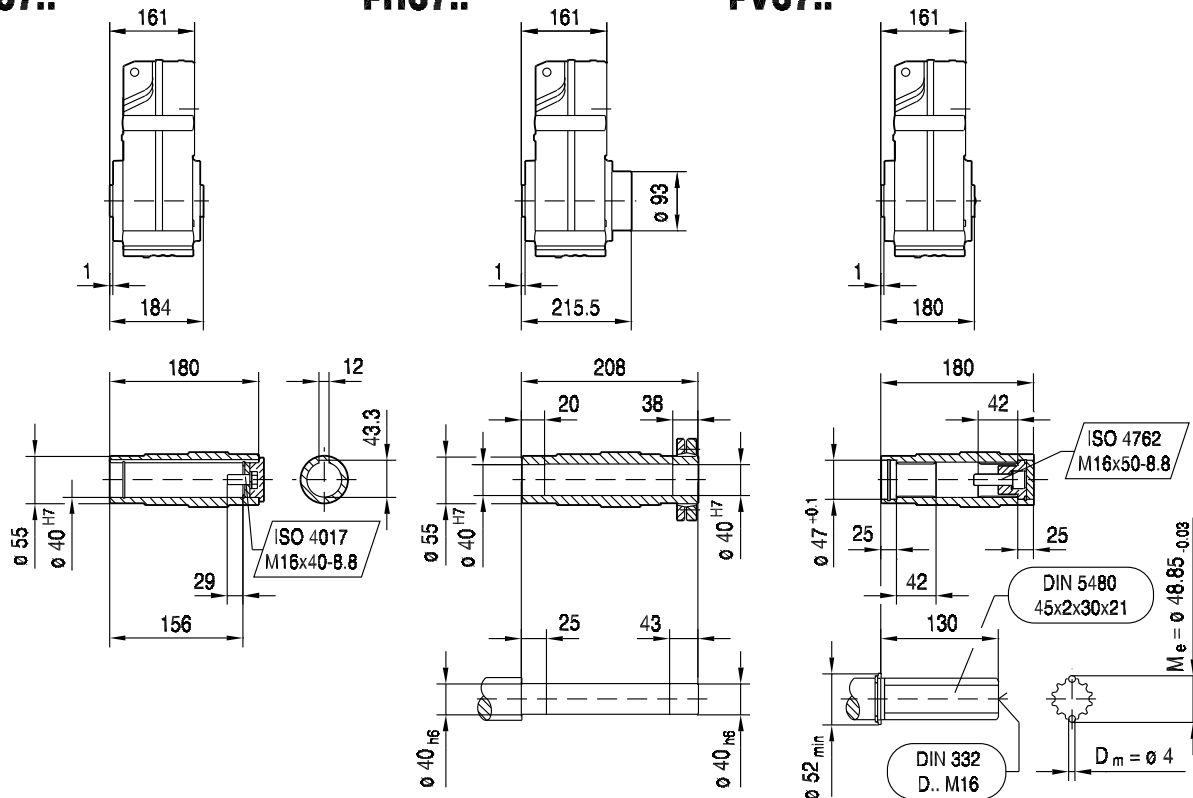
42 096 00 08



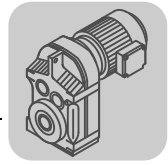
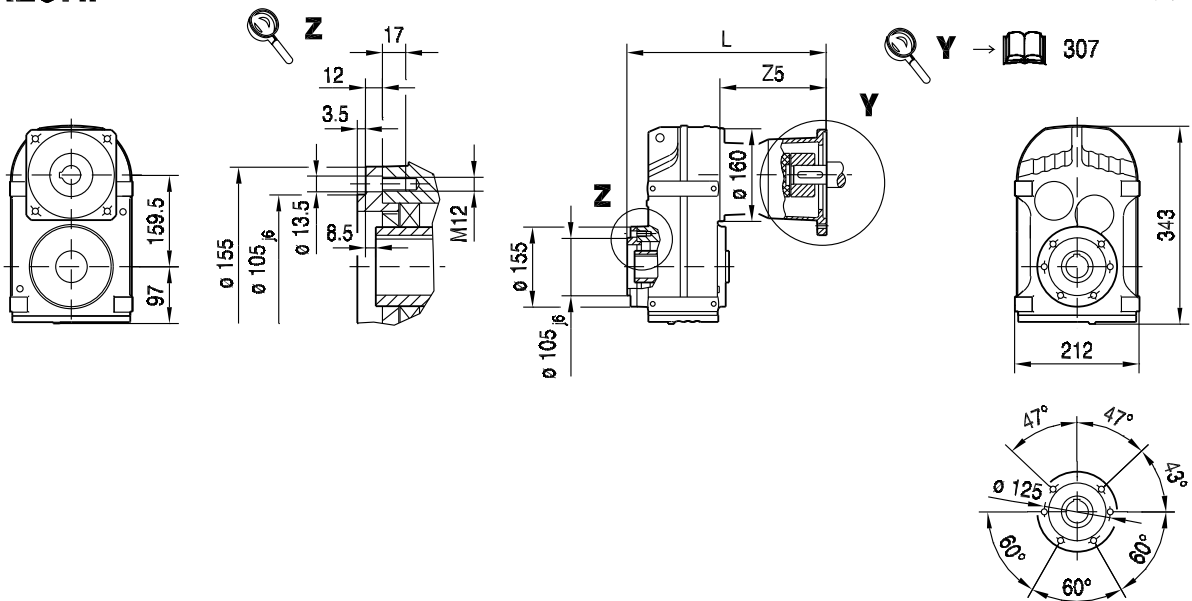
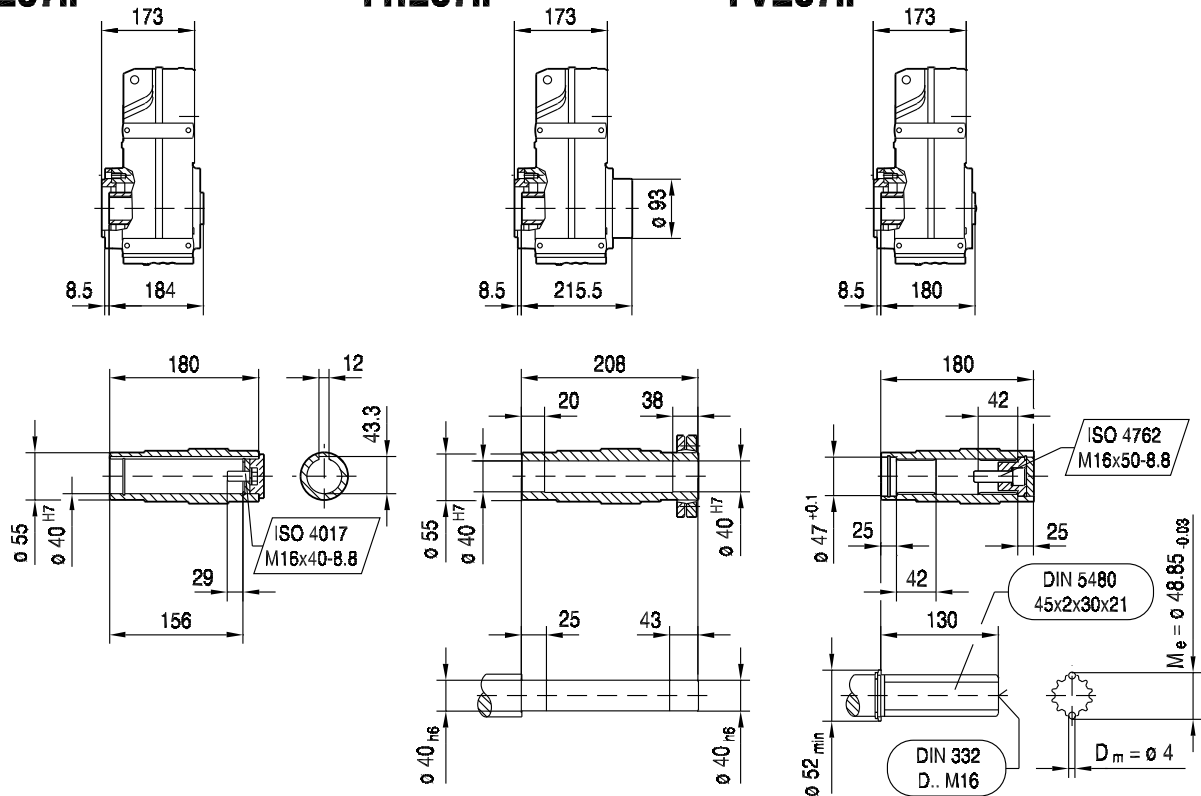
FA67..

FH67..

FV67..



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	259	284	298	307	336	349	349	399	423
Z5	98	123	137	146	175	188	188	237.5	261.5

**FAZ67..**42 098 00 08^L**FAZ67..****FHZ67..****FVZ67..**

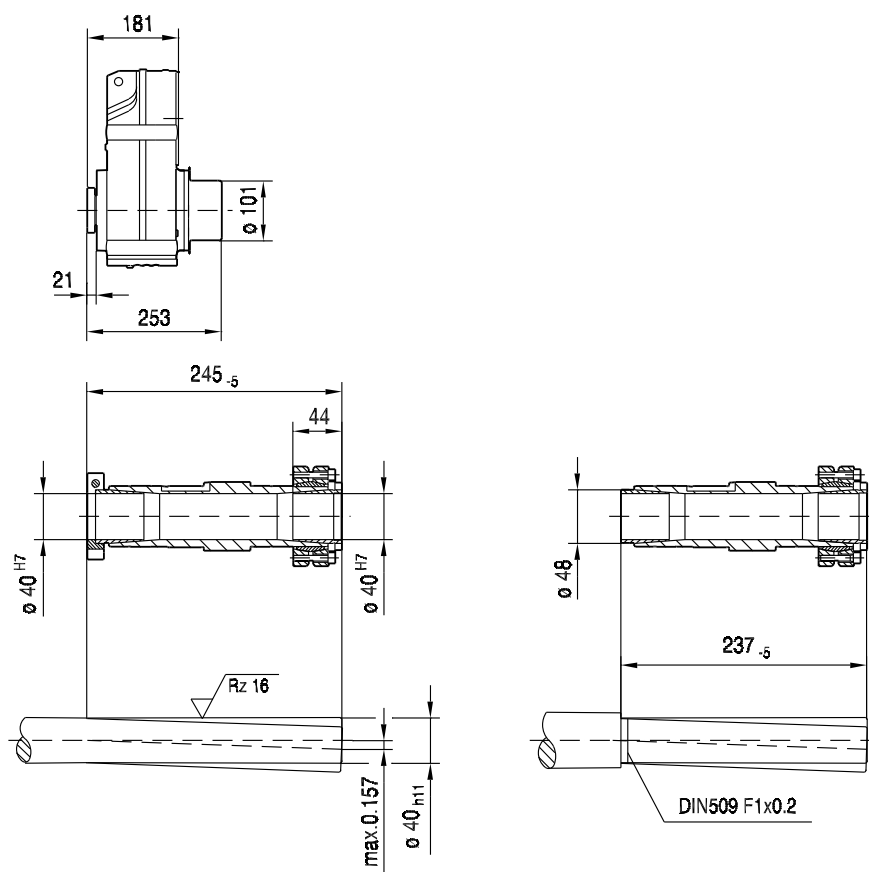
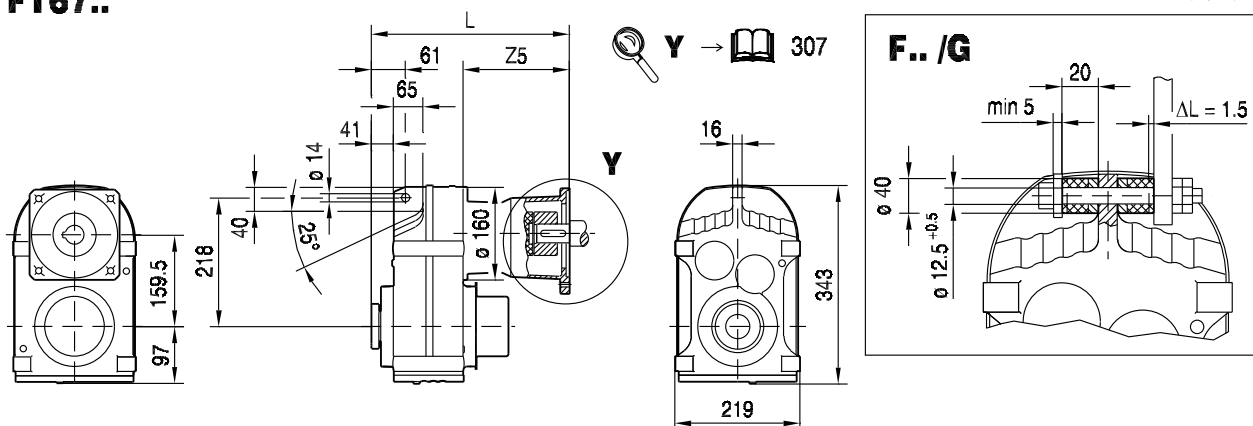
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	271	296	310	319	348	361	361	411	435
Z5	98	123	137	146	175	188	188	237.5	261.5



F..
F.. AQ..

FT67..

42 097 00 08



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	280	305	319	328	357	370	370	419	443
Z5	98	123	137	146	175	188	188	237.5	261.5



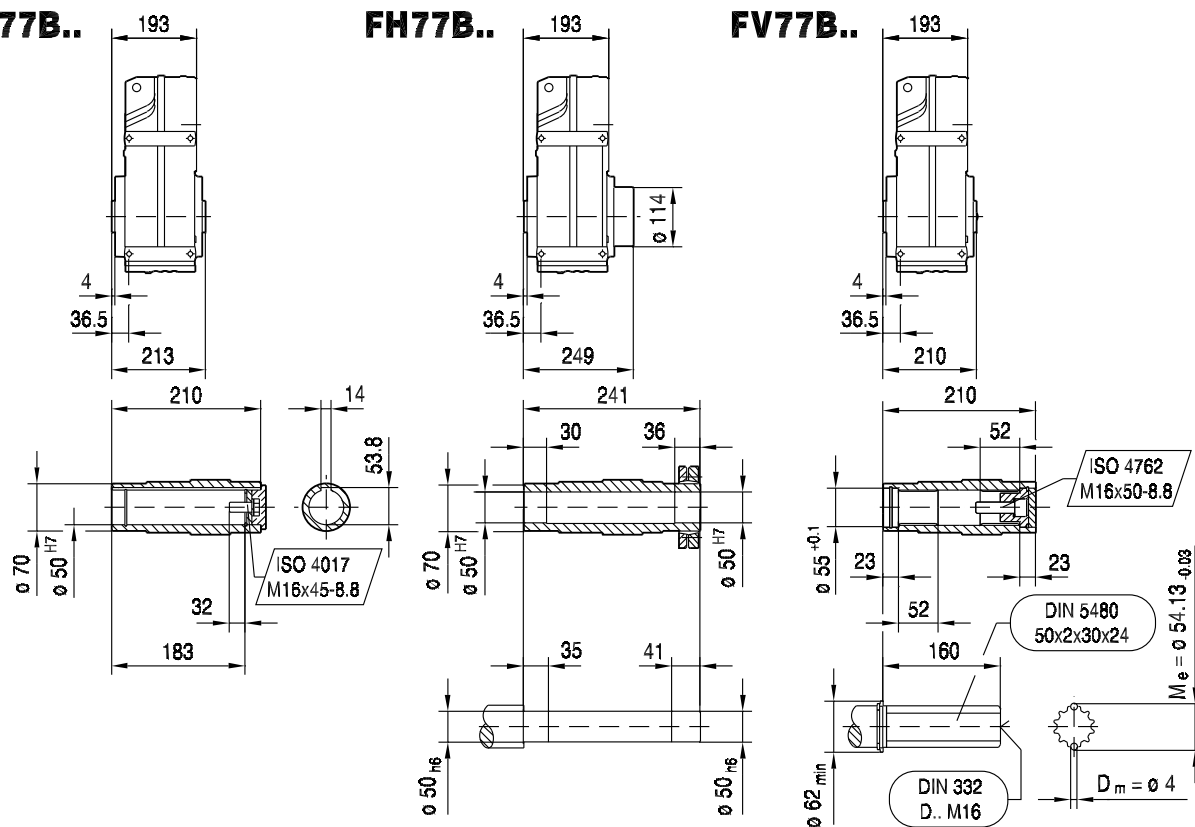
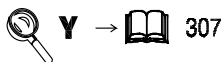
FA77 $n_e = 1400$							$F_{R_{max}}$				$F_{R_{apk}}$			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA77  2	4.28	1010	1310	1717	327	42	630	630	10200	10900	20000	20000	16900	17400
	5.16	1080	1320	1836	271	31	640	640	10700	11500	20000	20000	16800	17400
	5.76	1080	1320	1836	295	26	930	930	11300	12000	20000	20000	16800	17400
	6.64	1080	1320	1836	346	20	1310	1310	12000	12700	20000	20000	16800	17400
	7.39	1080	1330	1836	365	17	1610	1610	12500	13300	20000	20000	16800	17400
	8.26	1080	1330	1836	400	14	1940	1940	13100	13900	20000	20000	16800	17400
	9.30	1080	1330	1836	430	12	2300	2300	13800	14600	20000	20000	16800	17400
	10.93	1500	1530	2550	183	19	2080	2080	14200	15100	20000	20000	15500	17000
	12.20	1500	1530	2550	205	16	2450	2450	14900	15800	20000	20000	15500	17000
	14.06	1500	1530	2550	220	13	2940	2940	15700	16700	20000	20000	15500	17000
	15.64	1500	1530	2550	237	11	3330	3330	15700	17100	20000	20000	15500	17000
	17.49	1500	1530	2550	252	9.5	3750	3750	15700	17100	20000	20000	15500	17000
	19.70	1500	1530	2550	264	7.9	4220	4220	15700	17100	20000	20000	15500	17000
	21.43	1500	1530	2550	275	7.1	4560	4560	15700	17100	20000	20000	15500	17000
	25.50	1500	1530	2550	275	5.5	5300	5300	15700	17100	20000	20000	15500	17000
	28.75	1430	1530	2431	243	4.4	6190	6190	16200	17300	20000	20000	15500	17000
	31.51	1380	1530	2346	222	3.8	6870	6870	16500	17500	20000	20000	15500	17000
	36.58	1110	1530	1887	191	3.0	8990	8990	17900	18300	20000	20000	15500	17000
FA77  3	25.54	1450	1530	2465	59	10	5560	5560	16100	17300	20000	20000	15500	17000
	29.91	1500	1530	2550	50	7.8	6010	6010	15700	17100	20000	20000	15500	17000
	33.74	1500	1530	2550	50	6.4	6580	6580	15700	17100	20000	20000	15500	17000
	38.23	1500	1530	2550	50	5.2	7190	7190	15700	17100	20000	20000	15500	17000
	43.58	1500	1530	2550	50	4.3	7850	7850	15700	17100	20000	20000	15500	17000
	48.37	1500	1530	2550	52	3.8	8410	8410	15700	17100	20000	20000	15500	17000
	55.27	1500	1530	2550	52	3.0	9140	9140	15700	17100	20000	20000	15500	17000
	58.32	1500	1530	2550	51	2.8	9450	9450	15700	17100	20000	20000	15500	17000
	66.46	1500	1530	2550	53	2.2	10200	10200	15700	17100	20000	20000	15500	17000
	72.50	1500	1530	2550	52	1.9	10700	10700	15700	17100	20000	20000	15500	17000
	75.02	1500	1530	2550	53	4.0	11000	11000	15700	17100	20000	20000	15500	17000
	85.52	1500	1530	2550	53	3.3	11800	11800	15700	17100	20000	20000	15500	17000
	94.93	1500	1530	2550	54	3.0	12500	12500	15700	17100	20000	20000	15500	17000
	108.46	1500	1530	2550	53	2.5	13400	13400	15700	17100	20000	20000	15500	17000
	114.45	1500	1530	2550	54	2.3	13800	13800	15700	17100	20000	20000	15500	17000
	130.42	1500	1530	2550	54	1.9	14800	14800	15700	17100	20000	20000	15500	17000
	142.27	1500	1530	2550	49	1.6	15400	15400	15700	17100	20000	20000	15500	17000
	166.47	1500	1530	2550	42	1.3	16700	16700	15700	17100	20000	20000	15500	17000
	188.40	1500	1530	2550	37	0.91	17700	17700	15700	17100	20000	20000	15500	17000
	198.31	1500	1530	2550	35	0.82	18100	18100	15700	17100	20000	20000	15500	17000
	225.79	1500	1530	2550	31	0.67	19300	19300	15700	17100	20000	20000	15500	17000
	262.93	1500	1530	2550	27	0.54	20000	20000	15700	17100	20000	20000	15500	17000
	281.71	1500	1530	2550	25	0.47	20000	20000	15700	17100	20000	20000	15500	17000



AQ.		n _{epk} [1/min]	η [%]	c _{TG}				φ /R [°]
	i			FA [Nm/°]	FAF [Nm/°]	F [Nm/°]	FF [Nm/°]	
FA77  2	4.28	4500	97	263	263	132	106	8
	5.16	4500	97	263	263	132	106	8
	5.76	4500	97	263	263	132	106	8
	6.64	4500	97	263	263	132	106	8
	7.39	4500	97	263	263	132	106	7
	8.26	4500	97	263	263	132	106	7
	9.30	4500	97	263	263	132	106	7
	10.93	4500	97	351	351	151	118	6
	12.20	4500	97	351	351	151	118	5
	14.06	4500	97	351	351	151	118	5
	15.64	4500	97	351	351	151	118	5
	17.49	4500	97	351	351	151	118	5
	19.70	4500	97	351	351	151	118	5
	21.43	4500	97	351	351	151	118	5
	25.50	4500	97	351	351	151	118	5
	28.75	4500	97	351	351	151	118	5
	31.51	4500	97	351	351	151	118	5
	36.58	4500	97	351	351	151	118	5
FA77  3	25.54	4500	96	388	388	157	122	6
	29.91	4500	96	388	388	157	122	6
	33.74	4500	96	388	388	157	122	6
	38.23	4500	96	388	388	157	122	6
	43.58	4500	96	388	388	157	122	6
	48.37	4500	96	388	388	157	122	6
	55.27	4500	96	388	388	157	122	6
	58.32	4500	96	388	388	157	122	6
	66.46	4500	95	388	388	157	122	6
	72.50	4500	95	388	388	157	122	6
	75.02	4500	95	394	394	158	123	6
	85.52	4500	95	394	394	158	123	6
	94.93	4500	95	394	394	158	123	5
	108.46	4500	95	394	394	158	123	5
	114.45	4500	95	394	394	158	123	5
	130.42	4500	95	394	394	158	123	5
	142.27	4500	94	394	394	158	123	5
	166.47	4500	94	394	394	158	123	5
	188.40	4500	94	394	394	158	123	5
	198.31	4500	94	394	394	158	123	5
	225.79	4500	93	394	394	158	123	5
	262.93	4500	93	394	394	158	123	5
	281.71	4500	92	394	394	158	123	5

F77..

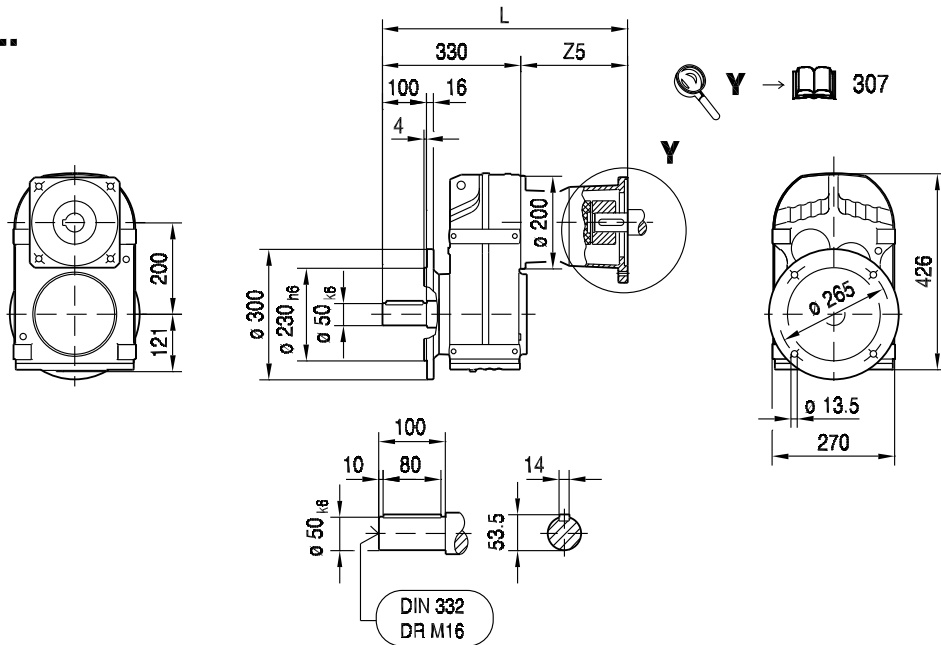
L





FF77..

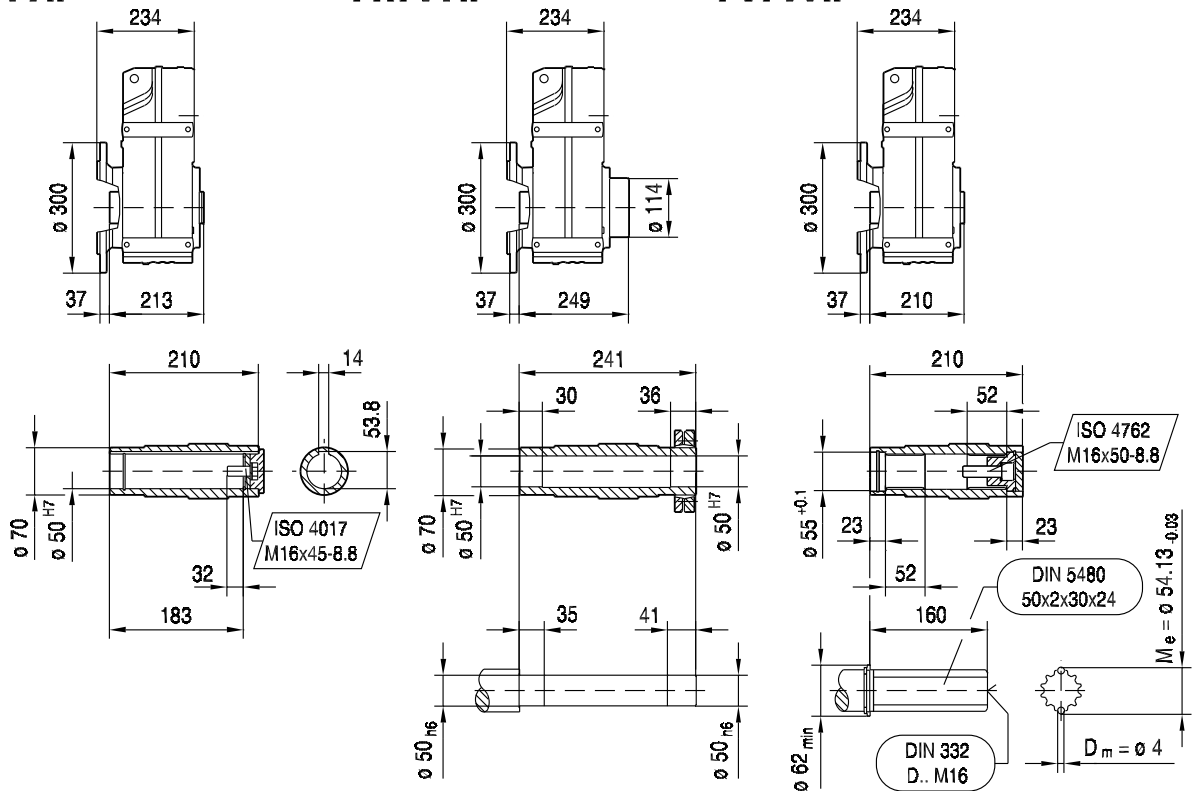
42 100 00 08^L



FAF77..

FHF77..

FVF77..



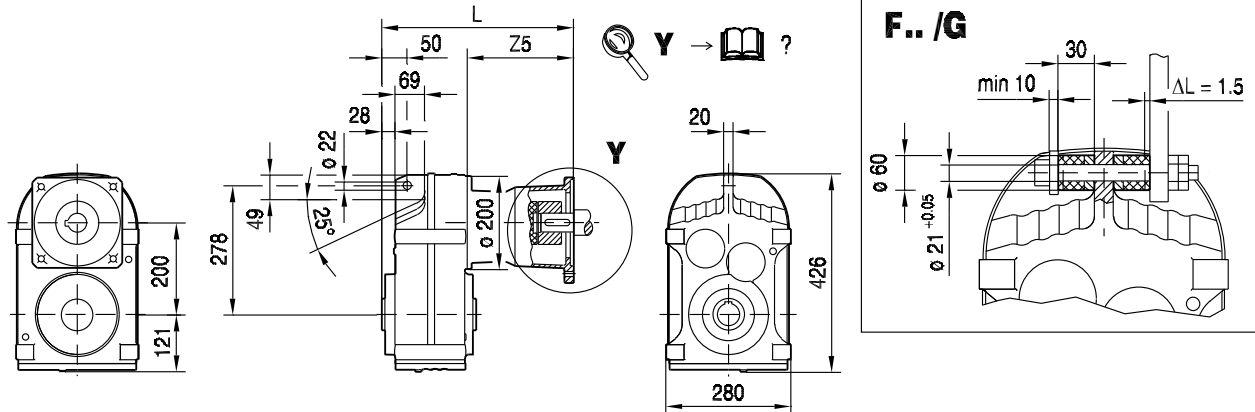
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	422	446	460	469	497	510	510	556	580
Z5	92	116	130	139	167	180	180	225.5	249.5



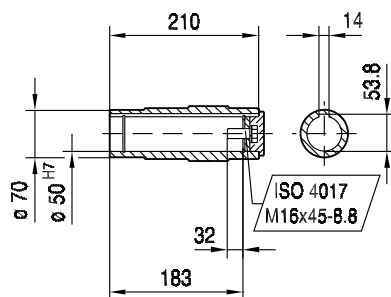
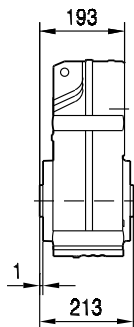
F..
F.. AQ..

FA77..

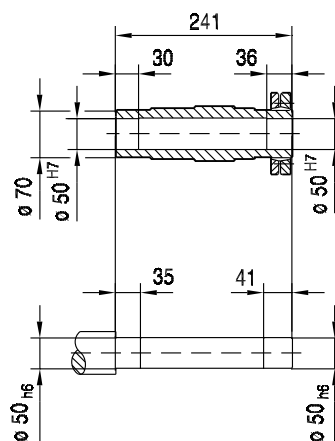
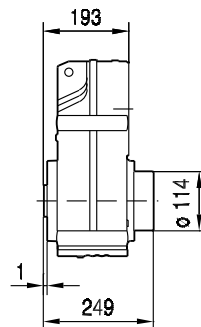
42 101 00 08^L



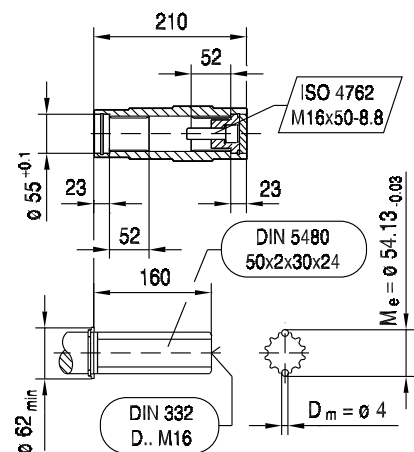
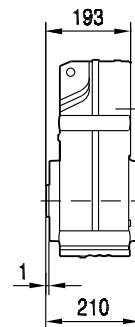
FA77..



FH77..



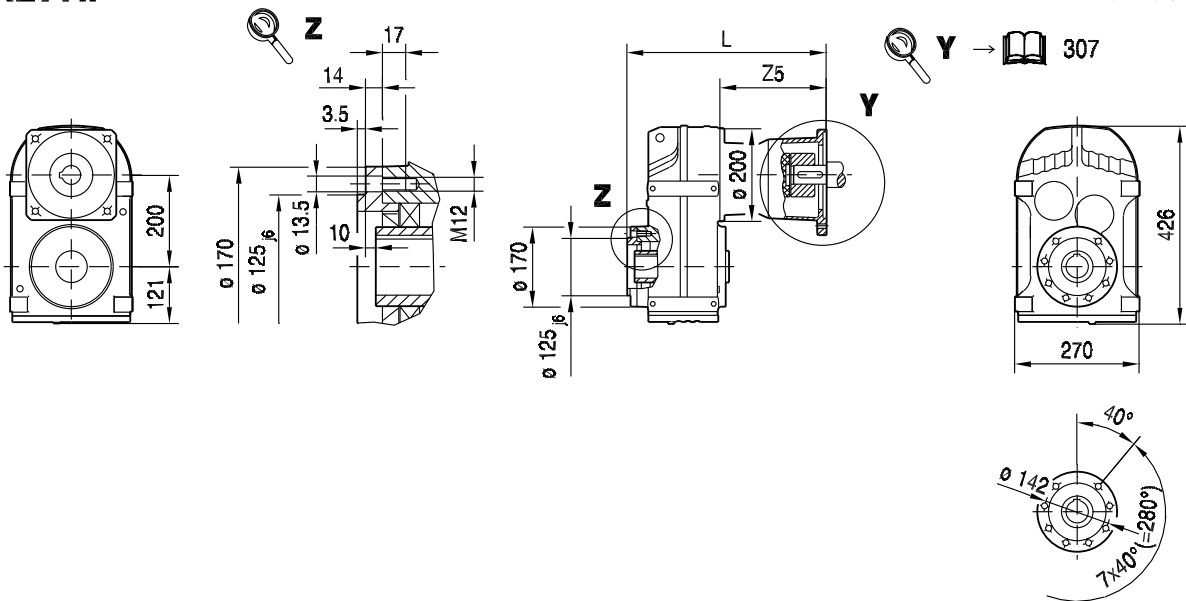
FV77..



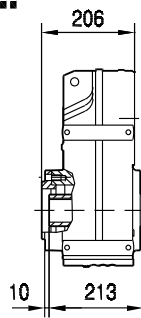
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	285	309	323	332	360	373	373	419	443
Z5	92	116	130	139	167	180	180	225.5	249.5

FAZ77..

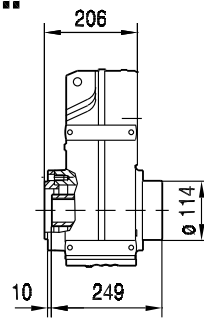
42 103 00 08



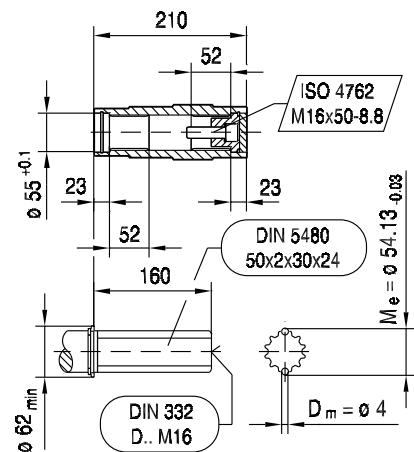
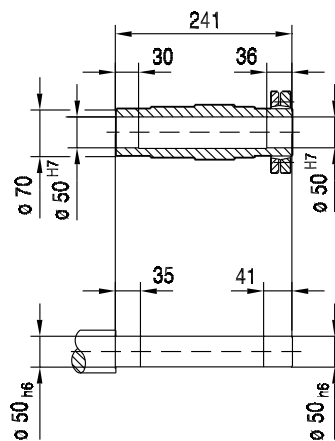
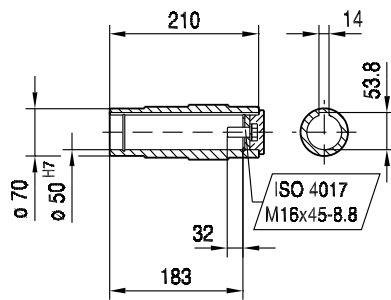
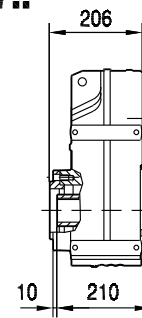
FAZ77..



FHZ77..



FVZ77..



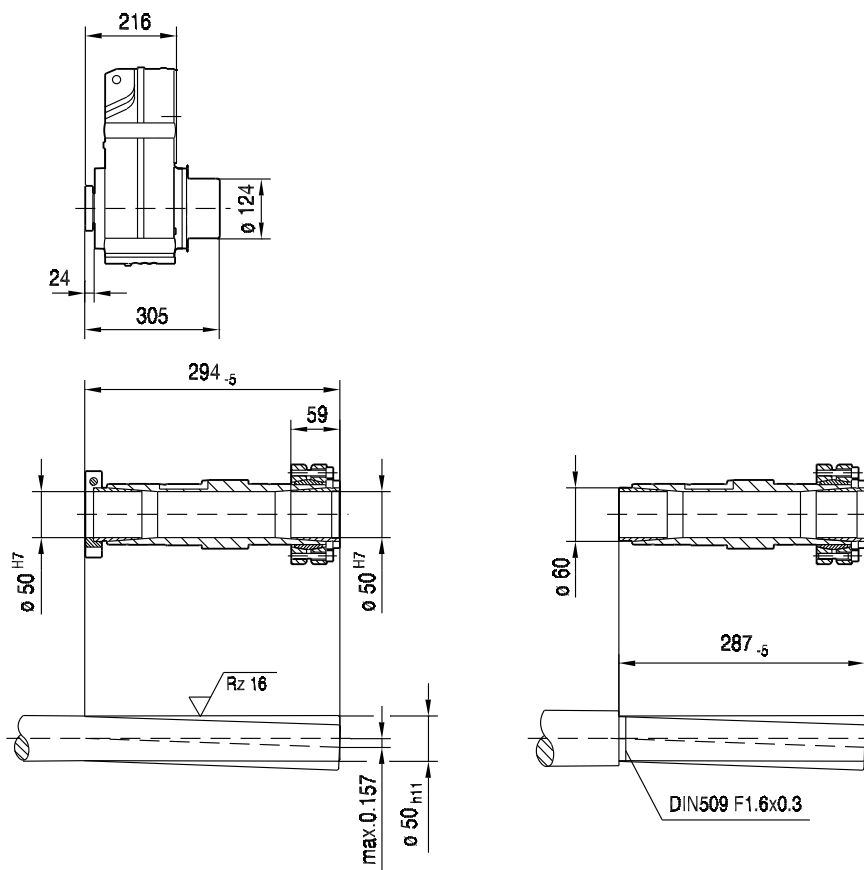
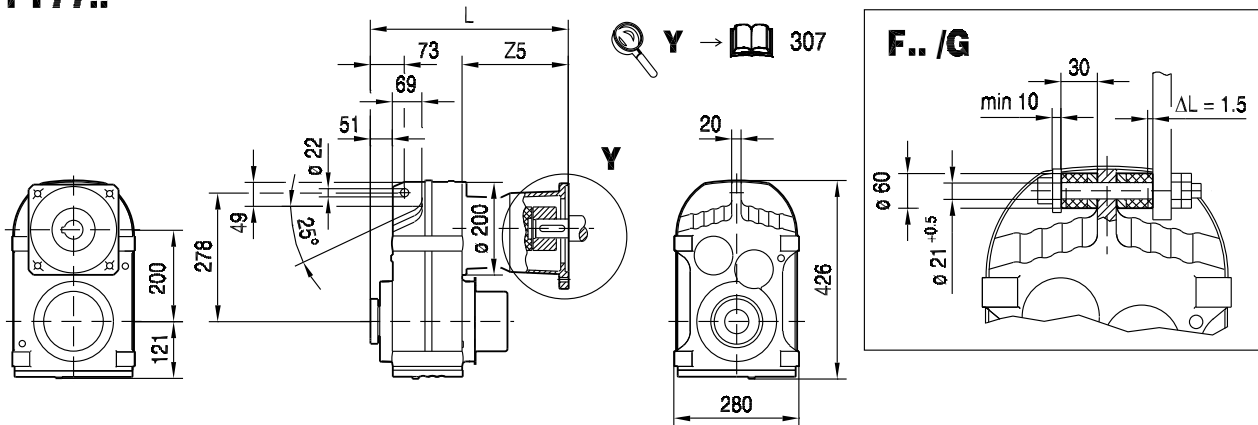
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	298	322	336	345	373	386	386	432	456
Z5	92	116	130	139	167	180	180	225.5	249.5



F..
F.. AQ..

FT77..

42 102 00 08



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	308	332	346	355	383	396	396	442	466
Z5	92	116	130	139	167	180	180	225.5	249.5



9.2.13 F 87 AQ.. [Nm]

[Nm]		AQ. M _{amax} M _{apk} M _{aNotaus}																				
	i	100/1-4			115/1-2			115/3			140/1			140/2-4			160/1			190/1-3		
FA87 	4.12										245	245	410	410	410	410	410	410	410	655	655	655
	4.92										295	295	490	490	490	490	490	490	490	785	785	785
	5.63	95	95	191	95	95	191	255	255	255	335	335	560	560	560	560	560	560	560	900	900	900
	6.65	113	113	225	113	113	225	305	305	305	395	395	665	665	665	665	665	665	665	1060	1060	1060
	7.35	124	124	245	124	124	245	335	335	335	440	440	735	735	735	735	735	735	735	1170	1170	1170
	8.29	140	140	280	140	140	280	380	380	380	495	495	820	820	820	820	820	820	820	1320	1320	1320
	9.58										570	570	950	950	950	950	950	950	950	1530	1530	1530
	11.46										685	685	1140	1140	1140	1140	1140	1140	1140	1830	1830	1830
	13.12	220	220	445	220	220	445	600	600	600	785	785	1310	1310	1310	1310	1310	1310	1310	2090	2090	2090
	15.48	260	260	525	260	260	525	710	710	710	920	920	1540	1540	1540	1540	1540	1540	1540	2470	2470	2470
	17.12	290	290	580	290	290	580	785	785	785	1020	1020	1710	1710	1710	1710	1710	1710	1710	2730	2730	2730
	19.31	325	325	655	325	325	655	880	880	880	1150	1150	1930	1930	1930	1930	1930	1930	1930	3000	3080	3080
	21.32	360	360	720	360	360	720	980	980	980	1270	1270	2130	2130	2130	2130	2130	2130	2130	3000	3090	3410
	23.68	400	400	800	400	400	800	1080	1080	1080	1420	1420	2360	2360	2360	2360	2360	2360	2360	3000	3090	3780
	26.50	450	450	900	450	450	900	1210	1210	1210	1590	1590	2650	2650	2650	2650	2650	2650	2650	3000	3090	4240
	28.78	485	485	970	485	485	970	1320	1320	1320	1720	1720	2870	2450	2870	2870	2450	2870	2870	2450	3090	4160
	33.92	575	575	1150	575	575	1150	1560	1560	1560	2030	2030	3390	2610	3090	3390	2610	3090	3390	2610	3090	4430
FA87 	29.20	495	495	990	495	495	990	1340	1340	1340	1750	1750	2920	2510	2920	2920	2510	2920	2920	2510	3090	4260
	35.19	595	595	1190	595	595	1190	1610	1610	1610	2110	2110	3510	2610	3090	3510	2610	3090	3510	2610	3090	4430
	39.30	665	665	1330	665	665	1330	1800	1800	1800	2350	2350	3930	2720	3090	3930	2720	3090	3930	2720	3090	4620
	45.28	765	765	1530	765	765	1530	2080	2080	2080	2710	2710	4520	2820	3090	4520	2820	3090	4520	2820	3090	4790
	50.36	850	850	1710	850	850	1710	2310	2310	2310	2940	3020	4990	2940	3090	4990	2940	3090	4990	2940	3090	4990
	56.75	960	960	1920	960	960	1920	2610	2610	2610	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	68.40	1160	1160	2320	1160	1160	2320	3000	3090	3140	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	76.39	1290	1290	2590	1290	1290	2590	3000	3090	3510	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	88.01	1490	1490	2990	1490	1490	2990	3000	3090	4040	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	97.89	1660	1660	3320	1660	1660	3320	3000	3090	4500	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	109.49	1860	1860	3720	1860	1860	3720	3000	3090	5030	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	123.29	2090	2090	4190	2090	2090	4190	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	134.16	2280	2280	4560	2280	2280	4560	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	159.61	2710	2710	5100	2710	2710	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100
	179.97	3000	3050	5100	3000	3050	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100			
	197.20	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100			
	228.93	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100	3000	3090	5100			
	255.37	3000	3090	5100	3000	3090	5100	3000	3090	5100												
	270.68	3000	3090	5100	3000	3090	5100	3000	3090	5100												

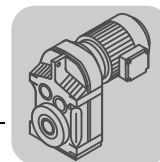
m [kg]		AQ.							
	s	100/1-4	115/1-2	115/3	140/1	140/2-4	160/1	190/1-3	
FA87		91	92	92	97	97	97	105	
FA87		94	95	95	100	100	100	110	
FAF: + 12.7 kg / F: + 5.7 kg / FF: + 21.3 kg									

		AQ.							
		100/1-4	115/1-2	115/3	140/1	140/2-4	160/1	190/1-3	
J _A 10 ⁻⁴	[kgm ²]	1.4	1.4	3.1	5.1	10.0	10.0	25.0	
c _{TA}	[Nm/°]	0.25	0.25	0.625	0.625	1.0	1.0	2.08	



FA87 $\eta_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA87  2	4.12	1460	1940	2482	340	114	3020	3020	5980	11800	30000	30000	26400	23400
	4.92	1530	1960	2601	346	85	3310	3310	6430	12600	30000	30000	26300	23400
	5.63	1530	1960	2601	391	67	3850	3850	7020	13400	30000	30000	26300	23400
	6.65	1530	1970	2601	466	52	4550	4550	7790	14400	30000	30000	26300	23400
	7.35	1530	1970	2601	490	44	5000	5000	8280	15000	30000	30000	26300	23400
	8.29	1530	1980	2601	531	36	5550	5550	8890	15800	30000	30000	26200	23300
	9.58	2880	3090	4896	146	63	275	275	5050	11000	30000	30000	16000	16000
	11.46	3000	3090	5100	122	49	575	575	5580	11800	30000	30000	16000	16000
	13.12	3000	3090	5100	114	40	1300	1300	6370	13100	30000	30000	16000	16000
	15.48	3000	3090	5100	110	32	2220	2220	7390	14700	30000	30000	16000	16000
	17.12	3000	3090	5100	105	28	2810	2810	8040	15800	30000	30000	16000	16000
	19.31	3000	3090	5100	104	23	3540	3540	8840	17000	30000	30000	16000	16000
	21.32	3000	3090	5100	98	20	4160	4160	9520	18000	30000	30000	16000	16000
	23.68	3000	3090	5100	97	17	4850	4850	10300	19100	30000	30000	16000	16000
	26.50	3000	3090	5100	98	15	5610	5610	11100	19800	30000	30000	16000	16000
	28.78	2450	3090	4165	191	13	8940	8940	13900	22500	30000	30000	16000	16000
	33.92	2610	3090	4437	150	10	9340	9340	14600	22200	30000	30000	16000	16000
FA87  3	29.20	2510	3090	4267	48	25	8740	8740	13800	22400	30000	30000	16000	16000
	35.19	2610	3090	4437	40	19	9610	9610	14900	22200	30000	30000	16000	16000
	39.30	2720	3090	4624	36	16	9910	9910	15400	22000	30000	30000	16000	16000
	45.28	2820	3090	4794	31	13	10500	10500	16200	21700	30000	30000	16000	16000
	50.36	2940	3090	4998	28	11	10800	10800	16800	21500	30000	30000	16000	16000
	56.75	3000	3090	5100	32	20	11600	11600	17700	19800	30000	30000	16000	16000
	68.40	3000	3090	5100	32	16	13300	13300	19600	19800	30000	30000	16000	16000
	76.39	3000	3090	5100	31	14	14300	14300	19800	19800	30000	30000	16000	16000
	88.01	3000	3090	5100	32	11	15800	15800	19800	19800	30000	30000	16000	16000
	97.89	3000	3090	5100	32	9.9	16900	16900	19800	19800	30000	30000	16000	16000
	109.49	3000	3090	5100	32	8.3	18100	18100	19800	19800	30000	30000	16000	16000
	123.29	3000	3090	5100	32	7.0	19400	19400	19800	19800	30000	30000	16000	16000
	134.16	3000	3090	5100	32	6.3	20400	20400	19800	19800	30000	30000	16000	16000
	159.61	3000	3090	5100	32	4.9	22500	22500	19800	19800	30000	30000	16000	16000
	179.97	3000	3090	5100	32	4.0	24100	24100	19800	19800	30000	30000	16000	16000
	197.20	3000	3090	5100	32	3.5	25300	25300	19800	19800	30000	30000	16000	16000
	228.93	3000	3090	5100	31	2.8	27300	27300	19800	19800	30000	30000	16000	16000
	255.37	3000	3090	5100	27	1.8	28900	28900	19800	19800	30000	30000	16000	16000
	270.68	3000	3090	5100	26	1.6	29800	29800	19800	19800	30000	30000	16000	16000

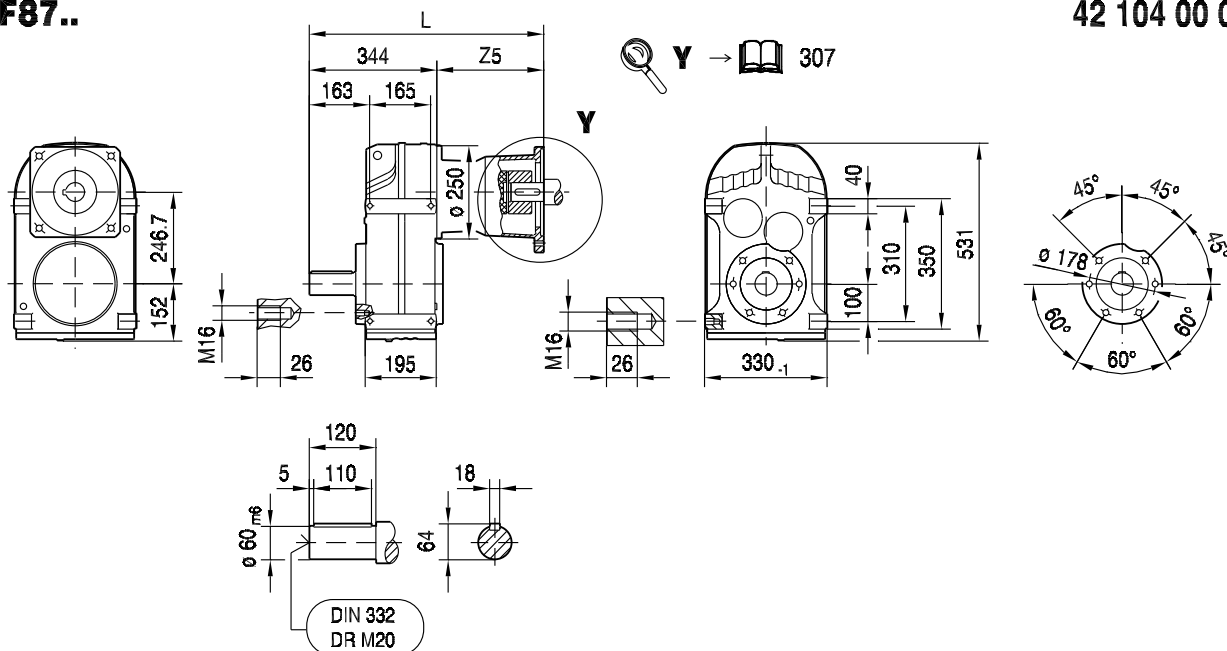
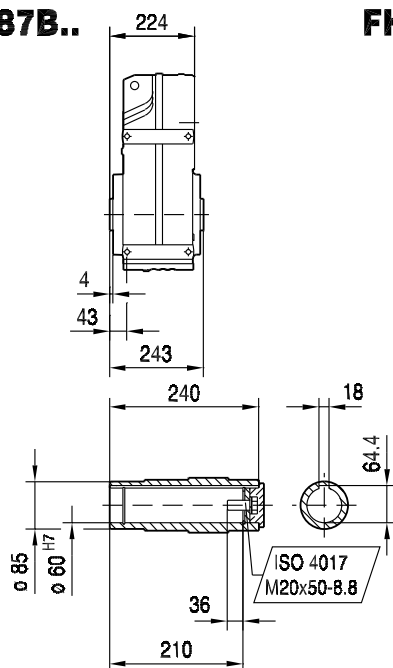
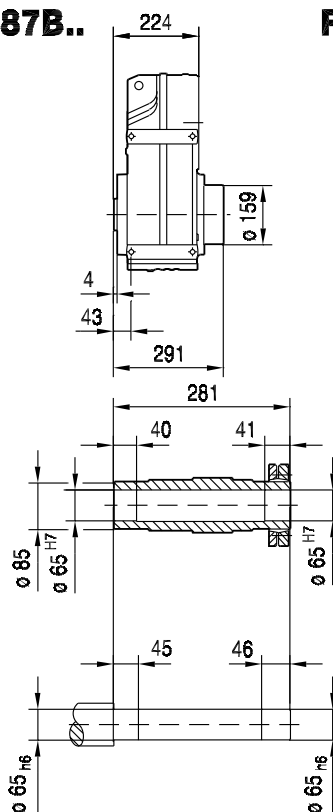
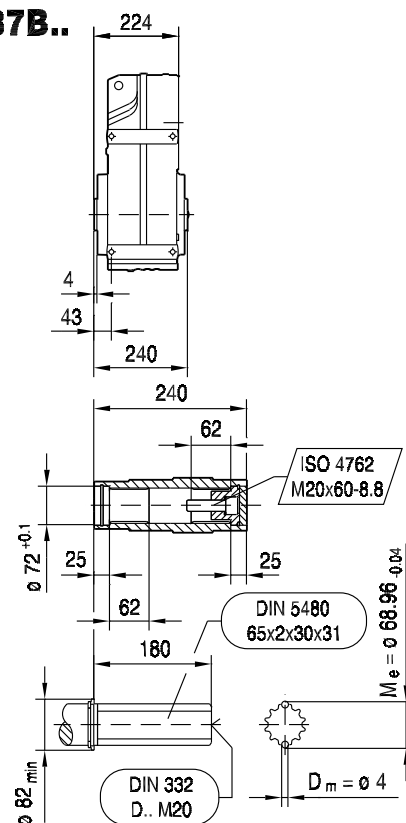
AQ.		n_{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	c_{TG} F [Nm/']	FF [Nm/']	φ /R [°]
	i							
FA87  2	4.12	3924	97	465	465	197	186	7
	4.92	4378	97	465	465	197	186	7
	5.63	4500	97	465	465	197	186	7
	6.65	4500	97	465	465	197	186	7
	7.35	4500	97	465	465	197	186	7
	8.29	4500	97	465	465	197	186	7
	9.58	4500	97	711	711	230	216	7
	11.46	4500	97	711	711	230	216	7
	13.12	4500	97	711	711	230	216	7
	15.48	4500	97	711	711	230	216	7
	17.12	4500	97	711	711	230	216	7
	19.31	4500	97	711	711	230	216	7
	21.32	4500	97	711	711	230	216	7
	23.68	4500	97	711	711	230	216	7
	26.50	4500	97	711	711	230	216	7
	28.78	4500	97	711	711	230	216	7
	33.92	4500	97	711	711	230	216	7



AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	C _{TG}		φ /R [°]
	i					F [Nm/']	FF [Nm/']	
FA87  3	29.20	4500	96	833	833	242	226	8
	35.19	4500	96	833	833	242	226	8
	39.30	4500	96	833	833	242	226	8
	45.28	4500	96	833	833	242	226	8
	50.36	4500	96	833	833	242	226	7
	56.75	4500	95	846	846	243	227	7
	68.40	4500	95	846	846	243	227	7
	76.39	4500	95	846	846	243	227	7
	88.01	4500	95	846	846	243	227	7
	97.89	4500	95	846	846	243	227	7
	109.49	4500	95	846	846	243	227	7
	123.29	4500	95	846	846	243	227	7
	134.16	4500	95	846	846	243	227	7
	159.61	4500	95	846	846	243	227	7
	179.97	4500	94	846	846	243	227	7
	197.20	4500	94	846	846	243	227	7
	228.93	4500	94	846	846	243	227	7
	255.37	4500	94	846	846	243	227	7
	270.68	4500	93	846	846	243	227	7



9.2.14 F 87 AQ.. [mm]

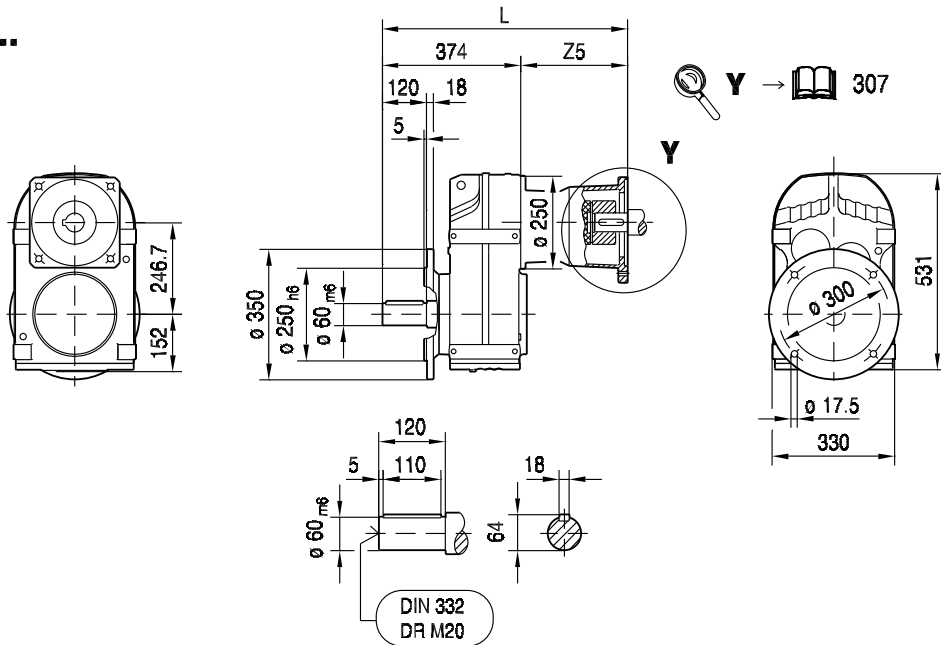
F87..42 104 00 08^L**FA87B..****FH87B..****FV87B..**

(→ 144)	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	455	469	478	506	519	519	565	589
Z5	111	125	134	162	175	175	220.5	244.5



FF87..

42 105 00 08^L

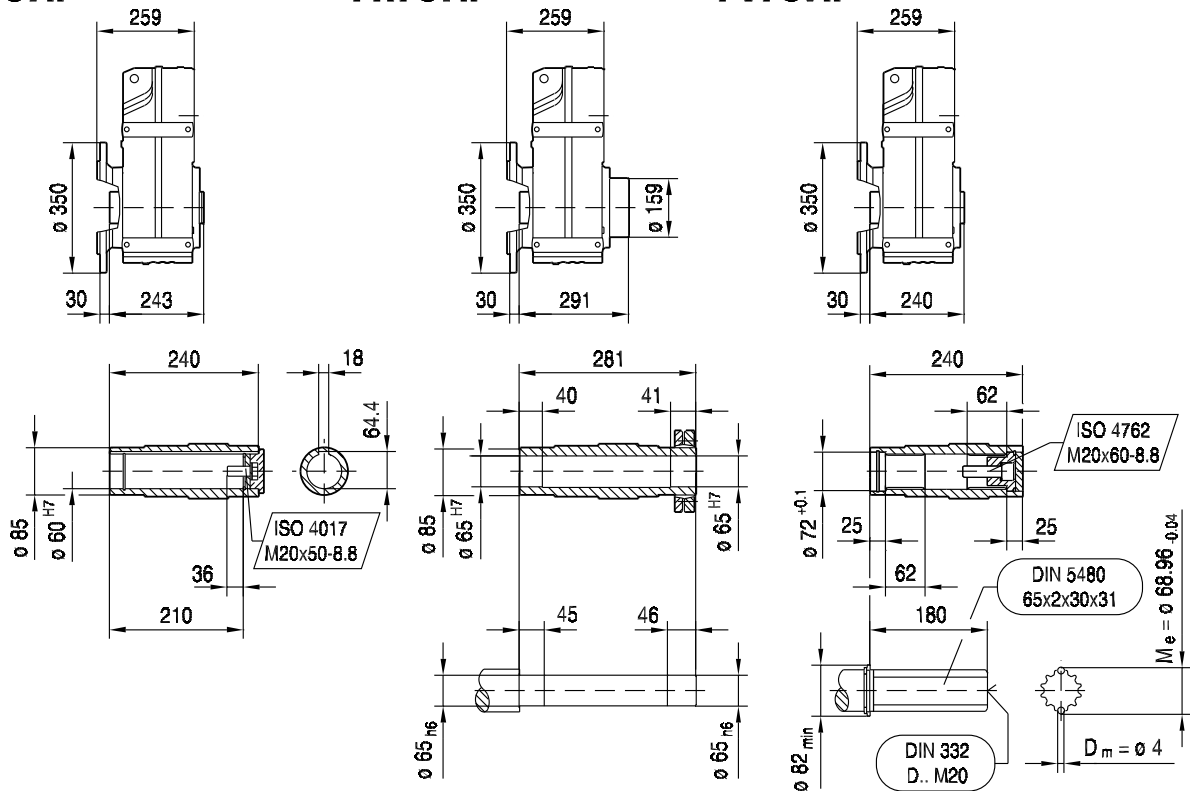


9

FAF87..

FHF87..

FVF87..



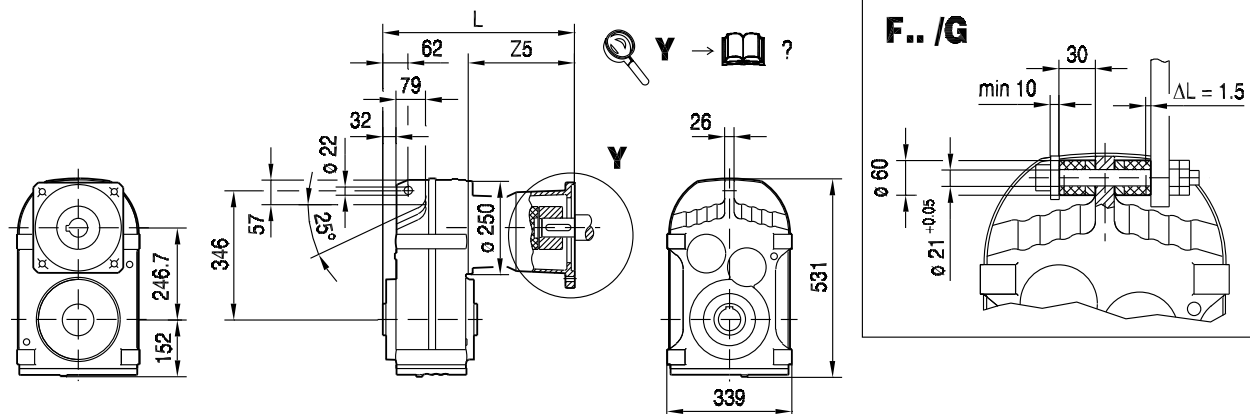
(→ 144)	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	485	499	508	536	549	549	595	619
Z5	111	125	134	162	175	175	220.5	244.5



F..
F.. AQ..

FA87..

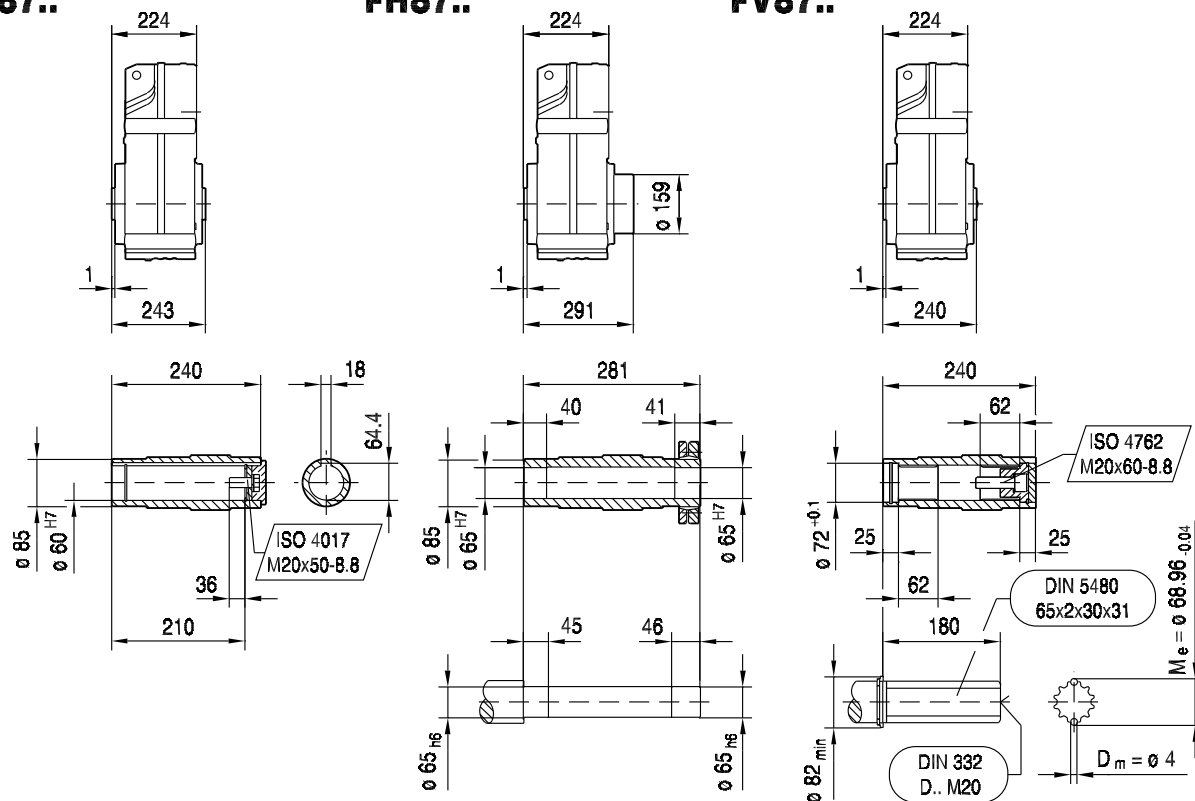
42 106 00 08^L



FA87..

FH87..

FV87..

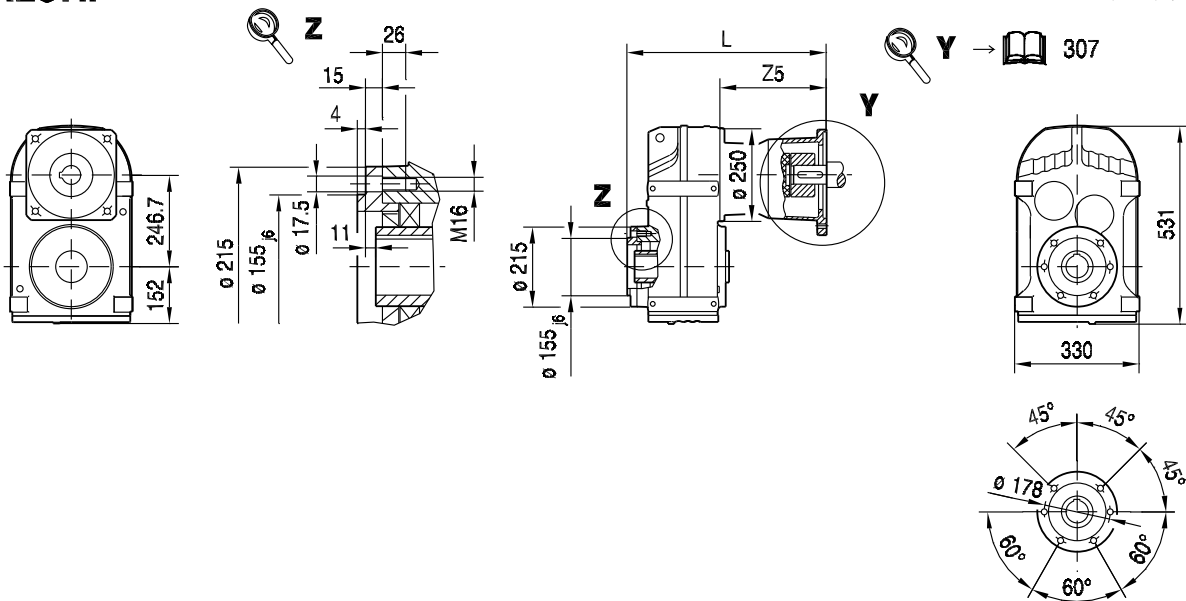


(→ 144)	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	335	349	358	386	399	399	445	469
Z5	111	125	134	162	175	175	220.5	244.5



FAZ87..

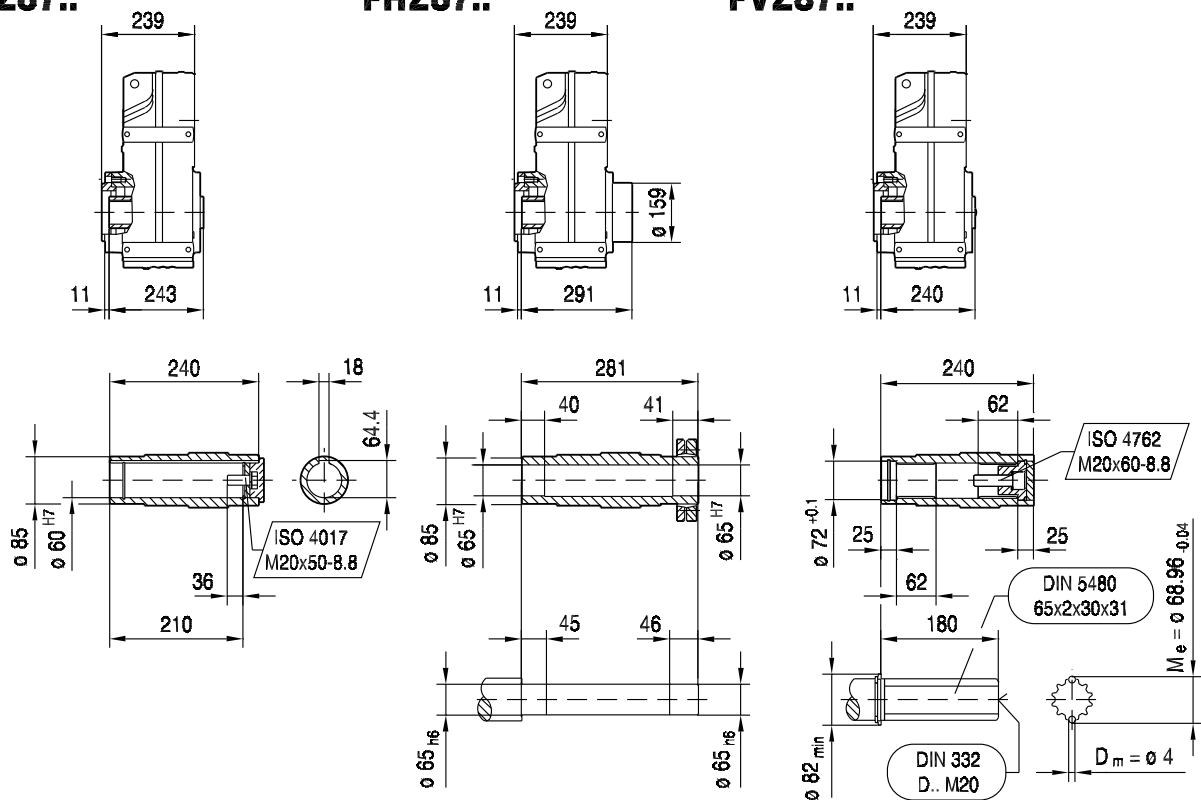
42 108 00 08^L



FAZ87..

FHZ87..

FVZ87..

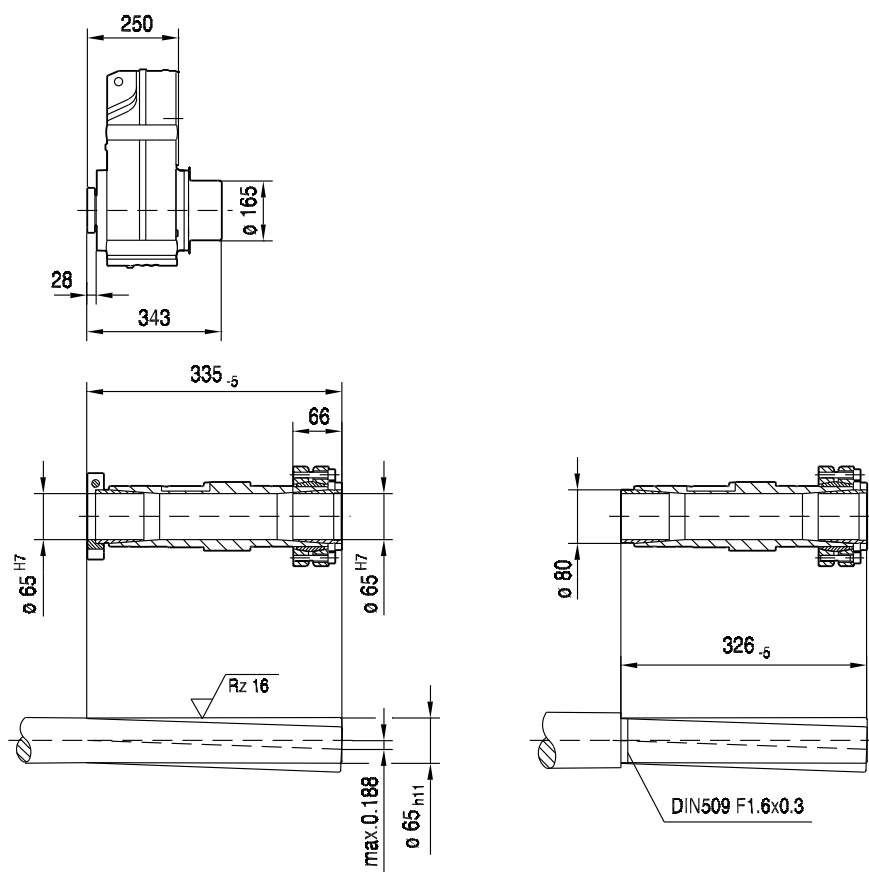
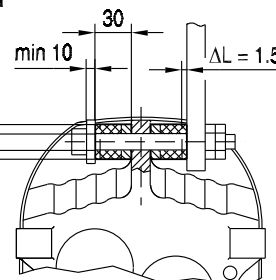


(→ 144)	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	350	364	373	401	414	414	460	484
Z5	111	125	134	162	175	175	220.5	244.5

42 107 00 08



307

F.. /G



9.2.15 F 97 AQ.. [Nm]

[Nm]		AQ. M _{amax} M _{apk} M _{aNotaus}											
	i	140/1			140/2-4			160/1			190/1-3		
FA97  2	3.87										615	615	615
	4.57	270	270	455	455	455	455	455	455	455	730	730	730
	5.23	310	310	520	520	520	520	520	520	520	830	830	830
	6.17	370	370	615	615	615	615	615	615	615	980	980	980
	7.07	420	420	705	705	705	705	705	705	705	1130	1130	1130
	8.22	490	490	820	820	820	820	820	820	820	1310	1310	1310
	9.06	540	540	900	900	900	900	900	900	900	1440	1440	1440
	11.16	665	665	1110	1110	1110	1110	1110	1110	1110	1780	1780	1780
	12.77	765	765	1270	1270	1270	1270	1270	1270	1270	2040	2040	2040
	15.06	900	900	1500	1500	1500	1500	1500	1500	1500	2400	2400	2400
	17.25	1030	1030	1720	1720	1720	1720	1720	1720	1720	2760	2760	2760
	20.07	1200	1200	2000	2000	2000	2000	2000	2000	2000	3210	3210	3210
	22.11	1320	1320	2210	2210	2210	2210	2210	2210	2210	3530	3530	3530
	24.92	1490	1490	2490	2490	2490	2490	2490	2490	2490	3980	3980	3980
	27.44	1640	1640	2740	2740	2740	2740	2740	2740	2740	4300	4360	4390
	30.39	1820	1820	3030	3030	3030	3030	3030	3030	3030	4300	4360	4860
	33.91	2030	2030	3390	3390	3390	3390	3390	3390	3390	4300	4360	5420
	36.64	2190	2190	3660	3070	3660	3660	3070	3660	3660	3070	4360	5210
	43.28	2590	2590	4320	3070	4320	4320	3070	4320	4320	3070	4360	5210
FA97  3	32.50	1950	1950	3250	3250	3250	3250	3250	3250	3250	4300	4360	5200
	38.86	2330	2330	3880	3880	3880	3880	3880	3880	3880	4300	4360	6210
	44.49	2660	2660	4440	4300	4360	4440	4300	4360	4440	4300	4360	7110
	52.49	3140	3140	5240	4300	4360	5240	4300	4360	5240	4300	4360	7310
	58.06	3480	3480	5800	4300	4360	5800	4300	4360	5800	4300	4360	7310
	65.47	3920	3920	6540	4300	4360	6540	4300	4360	6540	4300	4360	7310
	72.29	4300	4330	7220	4300	4360	7220	4300	4360	7220	4300	4360	7310
	75.63	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	80.31	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	86.59	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	89.85	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	97.58	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	102.16	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	112.99	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	127.42	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	140.71	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	156.30	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	174.87	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	189.92	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	223.88	4300	4360	7310	4300	4360	7310	4300	4360	7310	4300	4360	7310
	253.41	4300	4360	7310	4300	4360	7310	4300	4360	7310			
	276.77	4300	4360	7310	4300	4360	7310	4300	4360	7310			

m [kg]		AQ.			
	s	140/1	140/2-4	160/1	190/1-3
FA97	 2	160	160	160	165
FA97	 3	165	165	165	175
FAF: + 21.7 kg / F: + 7.5 kg / FF: + 40.3 kg					

		AQ.			
		140/1	140/2-4	160/1	190/1-3
J _A 10 ⁻⁴	[kgm ²]	5.1	10.0	10.0	25.0
c _{TA}	[Nm/°]	0.625	1.0	1.0	2.08



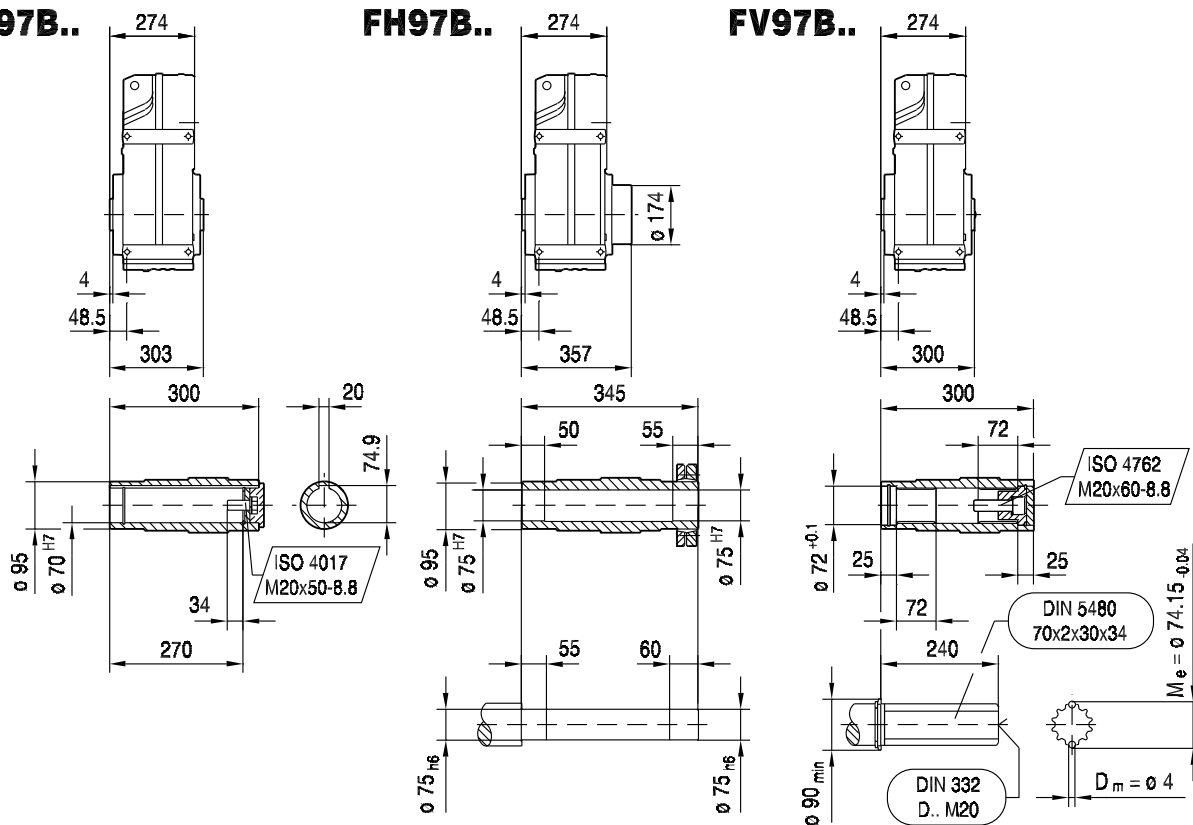
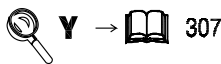
FA97 $n_e = 1400$							$F_{R_{max}}$				$F_{R_{apk}}$			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA97  2	3.87	1800	2700	3060	465	266	10300	10300	9960	16500	40000	40000	33600	30600
	4.57	2050	3000	3485	328	193	10200	10200	9950	16800	40000	40000	32900	30300
	5.23	2150	3020	3655	325	153	10700	10700	10400	17400	40000	40000	32800	30300
	6.17	2250	3030	3825	324	116	11400	11400	11100	18300	40000	40000	32800	30200
	7.07	2360	3040	4012	297	92	11900	11900	11500	19000	40000	40000	32800	30200
	8.22	2360	3050	4012	328	72	13100	13100	12600	20300	40000	40000	32800	30200
	9.06	2360	3050	4012	353	61	13900	13900	13400	21100	40000	40000	32800	30200
	11.16	4100	4360	6970	143	104	9710	9710	10000	18700	40000	40000	29700	28200
	12.77	4300	4360	7310	141	85	10100	10100	10500	19400	40000	40000	29700	28200
	15.06	4300	4360	7310	153	67	11700	11700	11900	21100	40000	40000	29700	28200
	17.25	4300	4360	7310	157	55	13100	13100	13200	22500	40000	40000	29700	28200
	20.07	4300	4360	7310	149	45	14700	14700	14600	24100	40000	40000	29700	28200
	22.11	4300	4360	7310	149	39	15700	15700	15600	25200	40000	40000	29700	28200
	24.92	4300	4360	7310	144	33	17100	17100	16800	26600	40000	40000	29700	28200
	27.44	4300	4360	7310	142	28	18200	18200	17900	27800	40000	40000	29700	28200
	30.39	4300	4360	7310	141	22	19500	19500	19000	28300	40000	40000	29700	28200
	33.91	4300	4360	7310	139	19	20900	20900	20300	28300	40000	40000	29700	28200
	36.64	3070	4360	5219	191	17	27000	27000	25500	30200	40000	40000	29700	28200
FA97  3	43.28	3070	4360	5219	162	13	29300	29300	27600	30200	40000	40000	29700	28200
	32.50	4300	4360	7310	52	60	20300	20300	19800	28300	40000	40000	29700	28200
	38.86	4300	4360	7310	51	48	22700	22700	21900	28300	40000	40000	29700	28200
	44.49	4300	4360	7310	52	39	24500	24500	23600	28300	40000	40000	29700	28200
	52.49	4300	4360	7310	51	31	26900	26900	25800	28300	40000	40000	29700	28200
	58.06	4300	4360	7310	52	27	28500	28500	27200	28300	40000	40000	29700	28200
	65.47	4300	4360	7310	52	23	30400	30400	29000	28300	40000	40000	29700	28200
	72.29	4300	4360	7310	53	20	32000	32000	29900	28300	40000	40000	29700	28200
	75.63	4300	4360	7310	56	42	32800	32800	29900	28300	40000	40000	29700	28200
	80.31	4300	4360	7310	52	17	33800	33800	29900	28300	40000	40000	29700	28200
	86.59	4300	4360	7310	57	34	35100	35100	29900	28300	40000	40000	29700	28200
	89.85	4300	4360	7310	52	14	35700	35700	29900	28300	40000	40000	29700	28200
	97.58	4300	4360	7310	52	13	37200	37200	29900	28300	40000	40000	29700	28200
	102.16	4300	4360	7310	58	28	38100	38100	29900	28300	40000	40000	29700	28200
	112.99	4300	4360	7310	58	25	40000	40000	29900	28300	40000	40000	29700	28200
	127.42	4300	4360	7310	55	20	40000	40000	29900	28300	40000	40000	29700	28200
	140.71	4300	4360	7310	50	18	40000	40000	29900	28300	40000	40000	29700	28200
	156.30	4300	4360	7310	45	15	40000	40000	29900	28300	40000	40000	29700	28200
	174.87	4300	4360	7310	40	13	40000	40000	29900	28300	40000	40000	29700	28200
	189.92	4300	4360	7310	37	12	40000	40000	29900	28300	40000	40000	29700	28200
	223.88	4300	4360	7310	31	9.2	40000	40000	29900	28300	40000	40000	29700	28200
	253.41	4300	4360	7310	28	5.9	40000	40000	29900	28300	40000	40000	29700	28200
	276.77	4300	4360	7310	25	5.1	40000	40000	29900	28300	40000	40000	29700	28200



AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	C _{TG}		φ /R [°]
	i					F [Nm/']	FF [Nm/']	
FA97 	3.87	3197	97	627	627	324	283	9
	4.57	3597	97	627	627	324	283	9
	5.23	3924	97	627	627	324	283	9
	6.17	4378	97	627	627	324	283	9
	7.07	4500	97	627	627	324	283	9
	8.22	4500	97	627	627	324	283	9
	9.06	4500	97	627	627	324	283	9
	11.16	4500	97	873	873	380	325	6
	12.77	4500	97	873	873	380	325	6
	15.06	4500	97	873	873	380	325	6
	17.25	4500	97	873	873	380	325	6
	20.07	4500	97	873	873	380	325	6
	22.11	4500	97	873	873	380	325	6
	24.92	4500	97	873	873	380	325	6
	27.44	4500	97	873	873	380	325	6
	30.39	4500	97	873	873	380	325	6
	33.91	4500	97	873	873	380	325	6
	36.64	4500	97	873	873	380	325	6
FA97 	43.28	4500	97	873	873	380	325	6
	32.50	4500	96	956	956	395	336	6
	38.86	4378	96	956	956	395	336	6
	44.49	4500	96	956	956	395	336	6
	52.49	4500	96	956	956	395	336	6
	58.06	4500	96	956	956	395	336	6
	65.47	4500	96	956	956	395	336	6
	72.29	4500	96	956	956	395	336	6
	75.63	4378	95	965	965	396	337	6
	80.31	4500	95	956	956	395	336	6
	86.59	4500	95	965	965	396	337	6
	89.85	4500	95	956	956	395	336	6
	97.58	4500	95	956	956	395	336	6
	102.16	4500	95	965	965	396	337	6
	112.99	4500	95	965	965	396	337	6
	127.42	4500	95	965	965	396	337	6
	140.71	4500	95	965	965	396	337	6
	156.30	4500	95	965	965	396	337	6
	174.87	4500	94	965	965	396	337	6
	189.92	4500	94	965	965	396	337	6
	223.88	4500	94	965	965	396	337	6
	253.41	4500	93	965	965	396	337	6
	276.77	4500	93	965	965	396	337	6

F97..

L

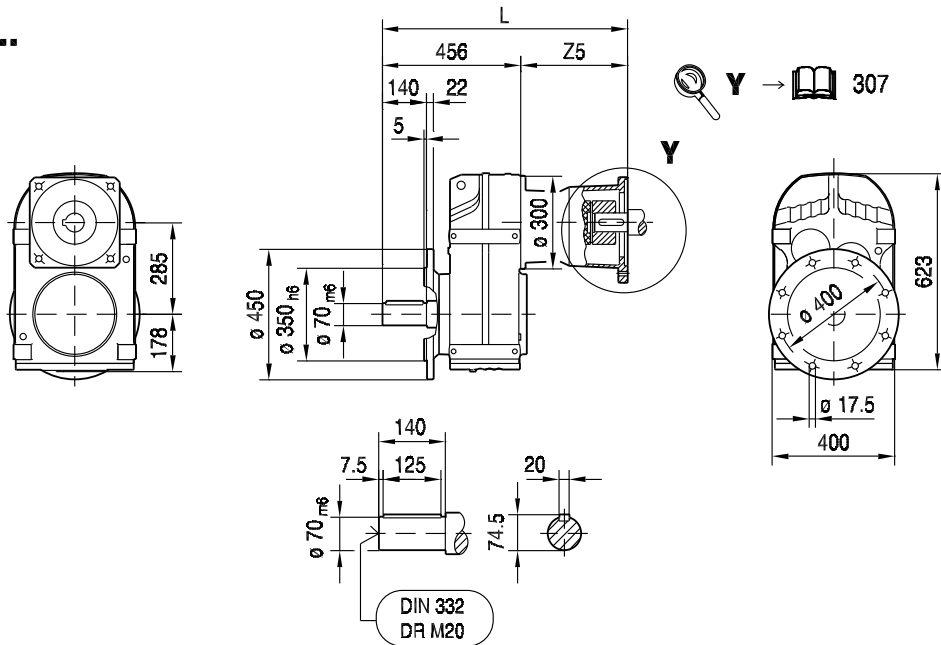


(→ 144)



FF97..

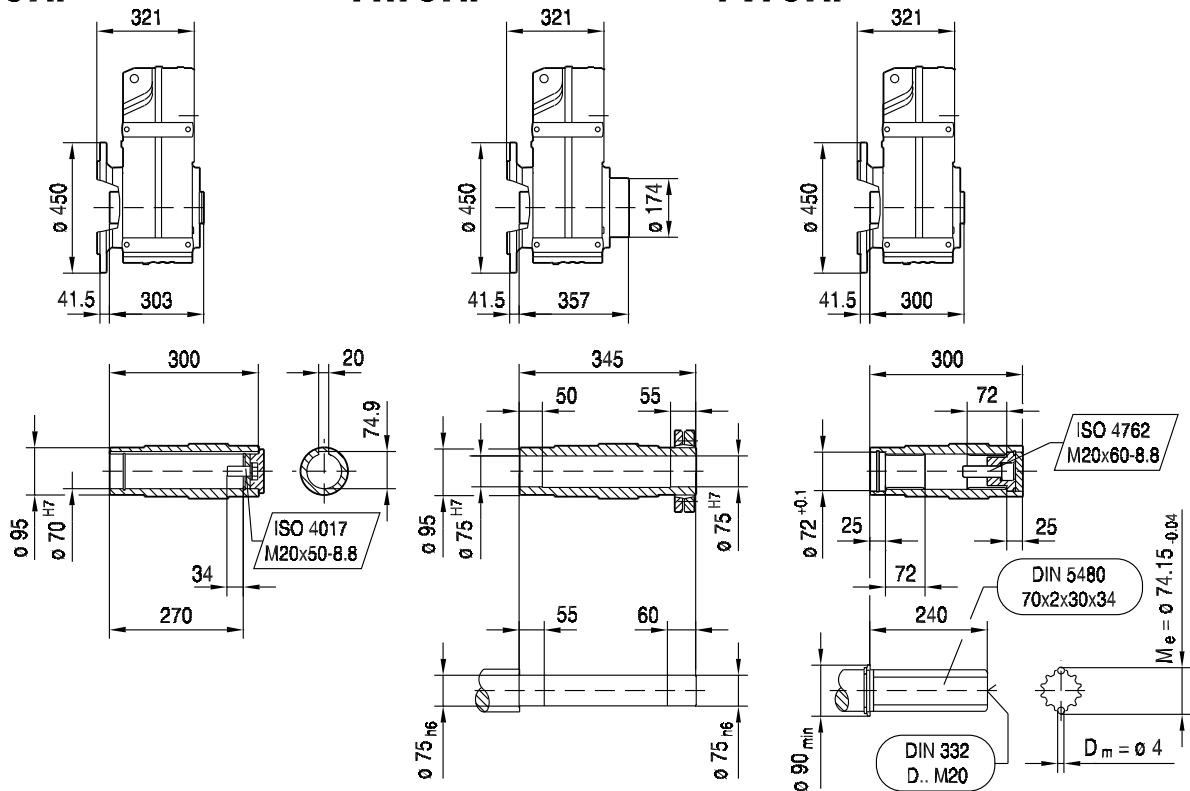
42 110 00 08^L



FAF97..

FHF97..

FVF97..



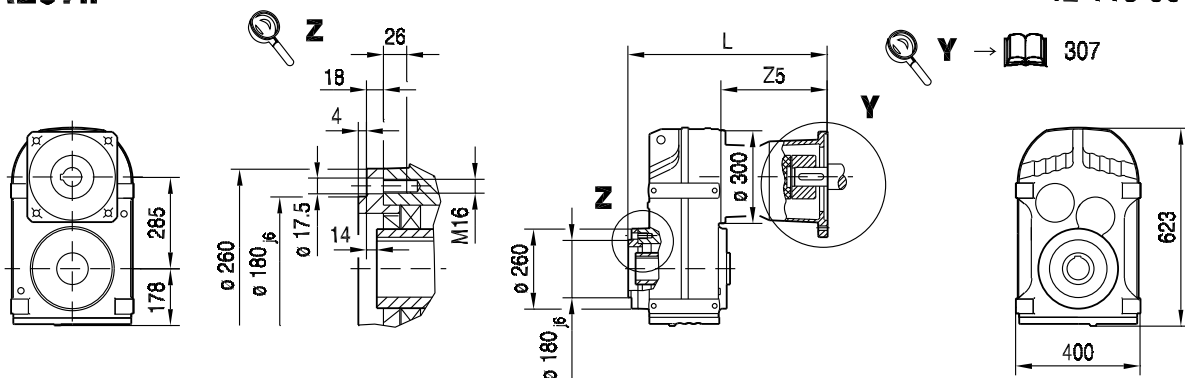
(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	613	626	626	672	696			
Z5	157	170	170	215.5	239.5			



F..
F.. AQ..

FAZ97..

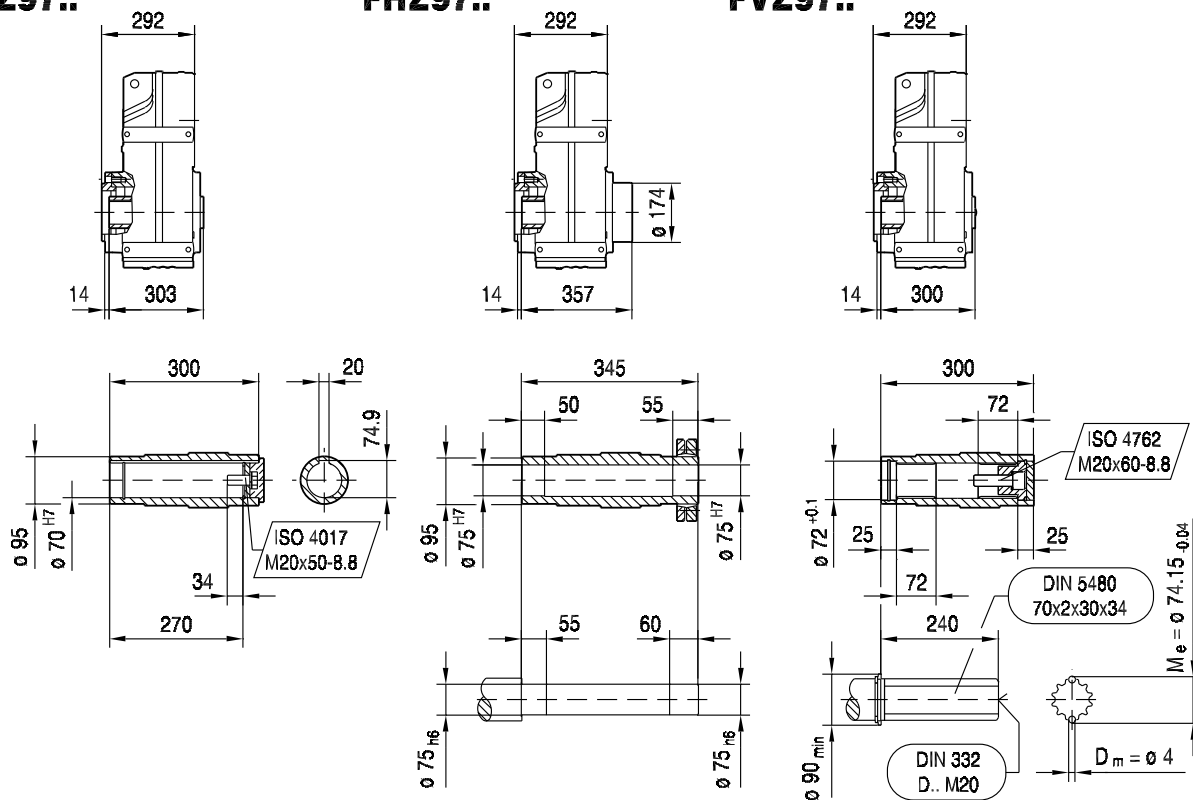
42 113 00 08^L



FAZ97..

FHZ97..

FVZ97..

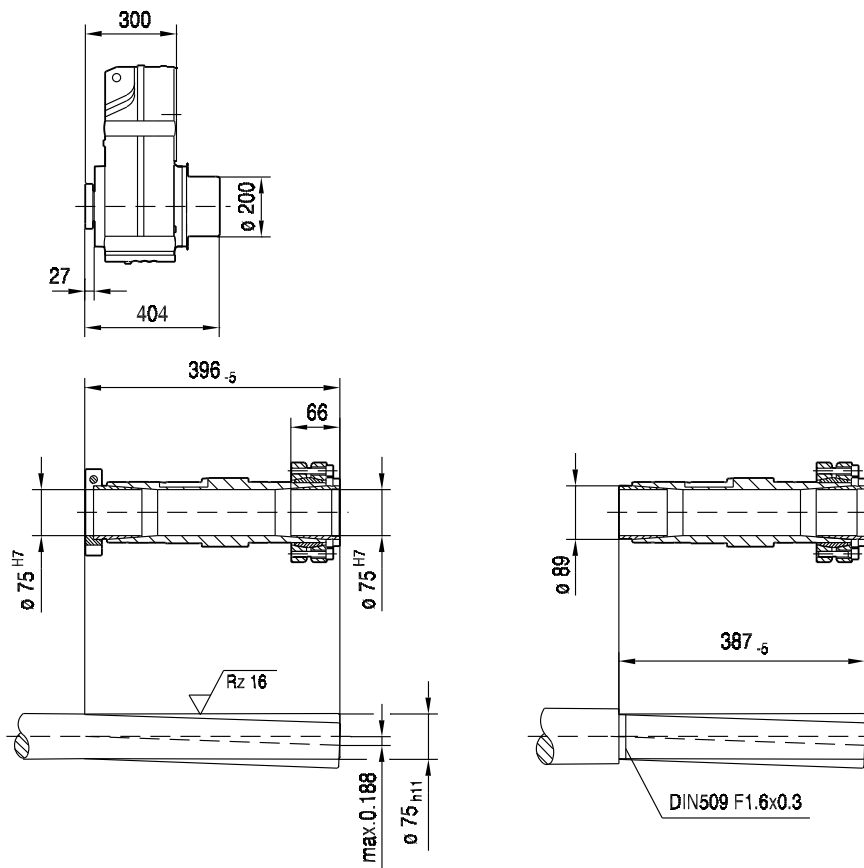
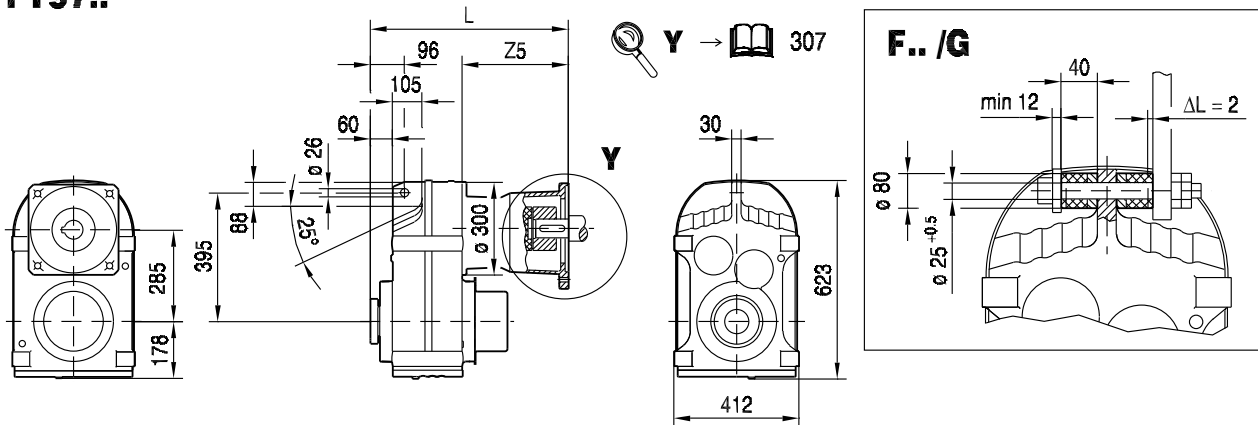


(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	449	462	462	508	532			
Z5	157	170	170	215.5	239.5			



FT97..

42 112 00 08^L



(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	457	470	470	516	540			
Z5	157	170	170	215.5	239.5			



9.2.17 F 107 AQ.. [Nm]

[Nm]		AQ. M _{amax} M _{apk} M _{aNotaus}											
	i	140/1			140/2-4			160/1			190/1-3		
FA107  2	5.03												
	6.22										990	990	990
	7.40	440	440	740	740	740	740	740	740	740	1180	1180	1180
	8.37	500	500	830	830	830	830	830	830	830	1330	1330	1330
	9.69	580	580	960	960	960	960	960	960	960	1550	1550	1550
	9.96												
	12.33										1970	1970	1970
	14.67	880	880	1460	1460	1460	1460	1460	1460	1460	2340	2340	2340
	16.58	990	990	1650	1650	1650	1650	1650	1650	1650	2650	2650	2650
	19.20	1150	1150	1920	1920	1920	1920	1920	1920	1920	3070	3070	3070
	21.76	1300	1300	2170	2170	2170	2170	2170	2170	2170	3480	3480	3480
	25.14	1500	1500	2510	2510	2510	2510	2510	2510	2510	4020	4020	4020
	27.57	1650	1650	2750	2750	2750	2750	2750	2750	2750	4410	4410	4410
	33.79	2020	2020	3370	3370	3370	3370	3370	3370	3370	5400	5400	5400
FA107  3	31.80										5080	5080	5080
	37.61	2250	2250	3760	3760	3760	3760	3760	3760	3760	6010	6010	6010
	43.03	2580	2580	4300	4300	4300	4300	4300	4300	4300	6880	6880	6880
	50.73	3040	3040	5070	5070	5070	5070	5070	5070	5070	7680	8110	8110
	58.12	3480	3480	5810	5810	5810	5810	5810	5810	5810	7680	8860	9290
	67.62	4050	4050	6760	6760	6760	6760	6760	6760	6760	7680	8860	10800
	74.52	4470	4470	7450	7450	7450	7450	7450	7450	7450	7680	8860	11900
	83.99	5030	5030	8390	7680	8390	8390	7680	8390	8390	7680	8860	13000
	88.49	5300	5300	8840	7680	8840	8840	7680	8840	8840	7680	8860	13000
	92.47	5540	5540	9240	7680	8860	9240	7680	8860	9240	7680	8860	13000
	101.38	6080	6080	10100	7680	8860	10100	7680	8860	10100	7680	8860	13000
	117.94	7070	7070	11700	7680	8860	11700	7680	8860	11700	7680	8860	13000
	129.97	7680	7790	12900	7680	8860	12900	7680	8860	12900	7680	8860	13000
	146.49	7680	8780	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000
	161.28	7680	8860	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000
	178.64	7680	8860	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000
	199.31	7680	8860	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000
	215.37	7680	8860	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000
	254.40	7680	8860	13000	7680	8860	13000	7680	8860	13000	7680	8860	13000

m [kg]		AQ.			
	s	140/1	140/2-4	160/1	190/1-3
FA107	 2	230	230	230	240
FA107	 3	240	240	240	250
FAF: + 21.0 kg / F: + 16.6 kg / FF: + 43.9 kg					

		AQ.			
		140/1	140/2-4	160/1	190/1-3
J _A 10 ⁻⁴	[kgm ²]	5.1	10.0	10.0	25.0
c _{TA}	[Nm/°]	0.625	1.0	1.0	2.08



FA107 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA107 	5.03	4600	6240	7820	417	439	4520	39000	16400	19200	65000	65000	52500	55300
	6.22	4600	6240	7820	498	311	6920	42600	19000	22200	65000	65000	52500	55300
	7.40	4600	6240	7820	541	236	8400	45800	21300	24800	65000	65000	52500	55300
	8.37	4800	6240	8160	490	195	8720	47400	22000	25600	65000	65000	52500	55300
	9.69	4910	6240	8347	485	154	9670	50000	23500	27300	65000	65000	52500	55300
	9.96	6500	8860	11050	171	280	6200	47000	21500	25300	65000	65000	46500	45600
	12.33	7000	8860	11900	138	209	6580	49800	22600	26600	65000	65000	46500	45600
	14.67	7680	8860	13056	102	164	6050	51500	22400	26500	65000	65000	46500	45600
	16.58	7840	8860	13328	97	138	6870	53800	23900	28200	65000	65000	46500	45600
	19.20	7840	8860	13328	94	112	8600	57400	26500	31200	65000	65000	46500	45600
	21.76	7840	8860	13328	92	92	10100	60600	28800	33800	65000	65000	46500	45600
	25.14	7840	8860	13328	88	76	12000	64500	31500	36800	65000	65000	46500	45600
	27.57	7840	8860	13328	87	66	13200	65000	33300	38800	65000	65000	46500	45600
	33.79	7400	8860	12580	104	43	17700	65000	38300	44900	65000	65000	46500	45600
FA107 	31.80	7680	8860	13056	69	125	15800	65000	36500	42700	65000	65000	46500	45600
	37.61	7680	8860	13056	74	94	18300	65000	39500	46300	65000	65000	46500	45600
	43.03	7680	8860	13056	79	77	20300	65000	42000	49000	65000	65000	46500	45600
	50.73	7680	8860	13056	85	62	23000	65000	45100	51100	65000	65000	46500	45600
	58.12	7680	8860	13056	88	51	25300	65000	47800	51100	65000	65000	46500	45600
	67.62	7680	8860	13056	92	42	28000	65000	49800	51100	65000	65000	46500	45600
	74.52	7680	8860	13056	94	37	29900	65000	49800	51100	65000	65000	46500	45600
	83.99	7680	8860	13056	83	31	32200	65000	49800	51100	65000	65000	46500	45600
	88.49	7680	8860	13056	79	56	33200	65000	49800	51100	65000	65000	46500	45600
	92.47	7680	8860	13056	76	27	34100	65000	49800	51100	65000	65000	46500	45600
	101.38	7680	8860	13056	69	47	36000	65000	49800	51100	65000	65000	46500	45600
	117.94	7680	8860	13056	59	39	39300	65000	49800	51100	65000	65000	46500	45600
	129.97	7680	8860	13056	54	34	41400	65000	49800	51100	65000	65000	46500	45600
	146.49	7680	8860	13056	48	29	44200	65000	49800	51100	65000	65000	46500	45600
	161.28	7680	8860	13056	43	25	46600	65000	49800	51100	65000	65000	46500	45600
	178.64	7680	8860	13056	39	19	49100	65000	49800	51100	65000	65000	46500	45600
	199.31	7680	8860	13056	35	16	52000	65000	49800	51100	65000	65000	46500	45600
	215.37	7680	8860	13056	33	15	54000	65000	49800	51100	65000	65000	46500	45600
	254.40	7680	8860	13056	28	12	58600	65000	49800	51100	65000	65000	46500	45600

AQ.		n_{epk} [1/min]	η [%]	FA [Nm/']	FAF [Nm/']	c_{TG} F [Nm/']	FF [Nm/']	ϕ /R [°]
FA107 	i							
	5.03	2797	97	1359	1359	722	666	7
	6.22	3197	97	1359	1359	722	666	7
	7.40	3597	97	1359	1359	722	666	7
	8.37	3924	97	1359	1359	722	666	7
	9.69	4500	97	1359	1359	722	666	7
	9.96	4500	97	1612	1612	788	722	5
	12.33	4500	97	1612	1612	788	722	5
	14.67	4500	97	1612	1612	788	722	5
	16.58	4500	97	1612	1612	788	722	5
	19.20	4500	97	1612	1612	788	722	5
	21.76	4500	97	1612	1612	788	722	5
	25.14	4500	97	1612	1612	788	722	5
	27.57	4500	97	1612	1612	788	722	5
	33.79	4500	97	1612	1612	788	722	5

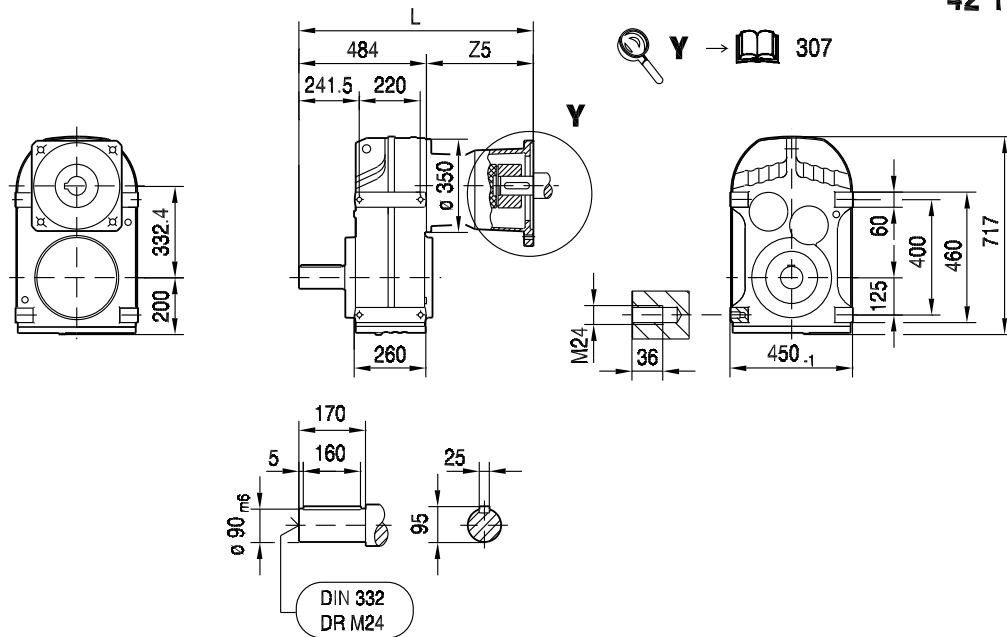


AQ.		n _{epk} [1/min]	η [%]	FA [Nm/']	c _{TG}		FF [Nm/']	φ /R [°]
	i				FAF [Nm/']	F [Nm/']		
FA107  3	31.80	3197	95	1806	1806	832	758	6
	37.61	3597	95	1806	1806	832	758	6
	43.03	3924	95	1806	1806	832	758	6
	50.73	4378	95	1806	1806	832	758	6
	58.12	4500	96	1806	1806	832	758	6
	67.62	4500	96	1806	1806	832	758	6
	74.52	4500	96	1806	1806	832	758	6
	83.99	4500	96	1806	1806	832	758	6
	88.49	4378	95	1823	1823	836	761	5
	92.47	4500	96	1806	1806	832	758	6
	101.38	4500	95	1823	1823	836	761	5
	117.94	4500	95	1823	1823	836	761	5
	129.97	4500	95	1823	1823	836	761	5
	146.49	4500	95	1823	1823	836	761	5
	161.28	4500	95	1823	1823	836	761	5
	178.64	4500	95	1823	1823	836	761	5
	199.31	4500	95	1823	1823	836	761	5
	215.37	4500	94	1823	1823	836	761	5
	254.40	4500	94	1823	1823	836	761	5

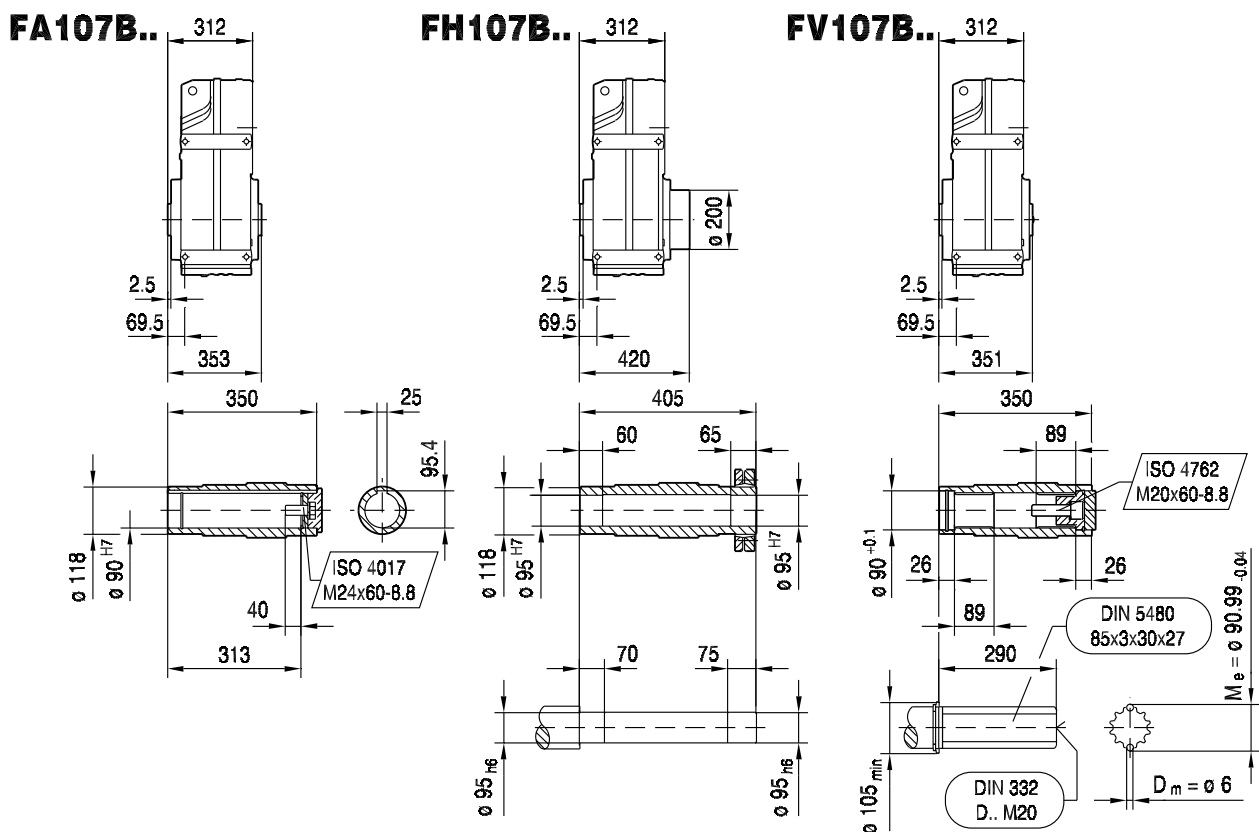
9.2.18 F 107 AQ.. [mm]

F107..

42 114 00 08^L



9



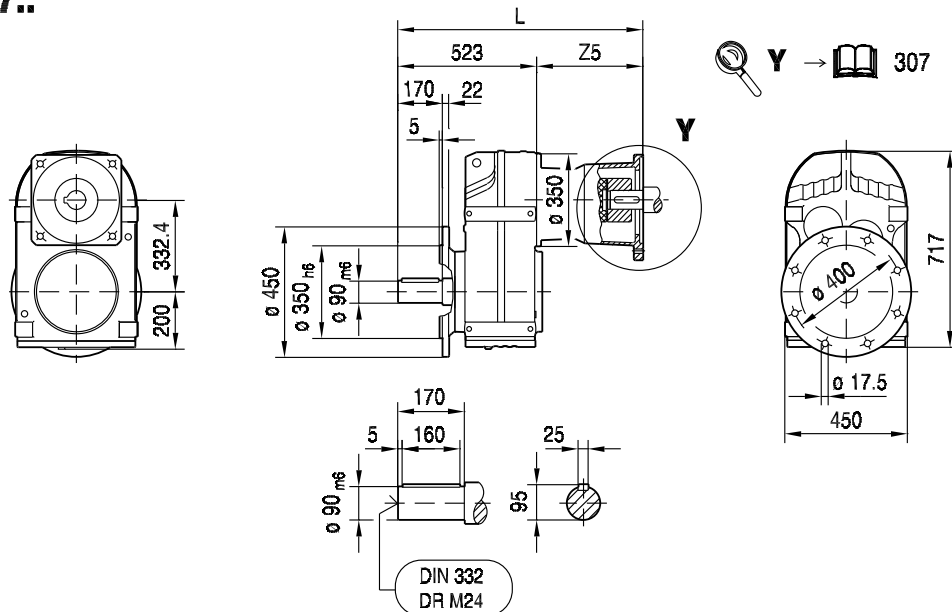
(→  144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	635	648	648	694	718			
Z5	151	164	164	209.5	233.5			



F..
F.. AQ..

FF107..

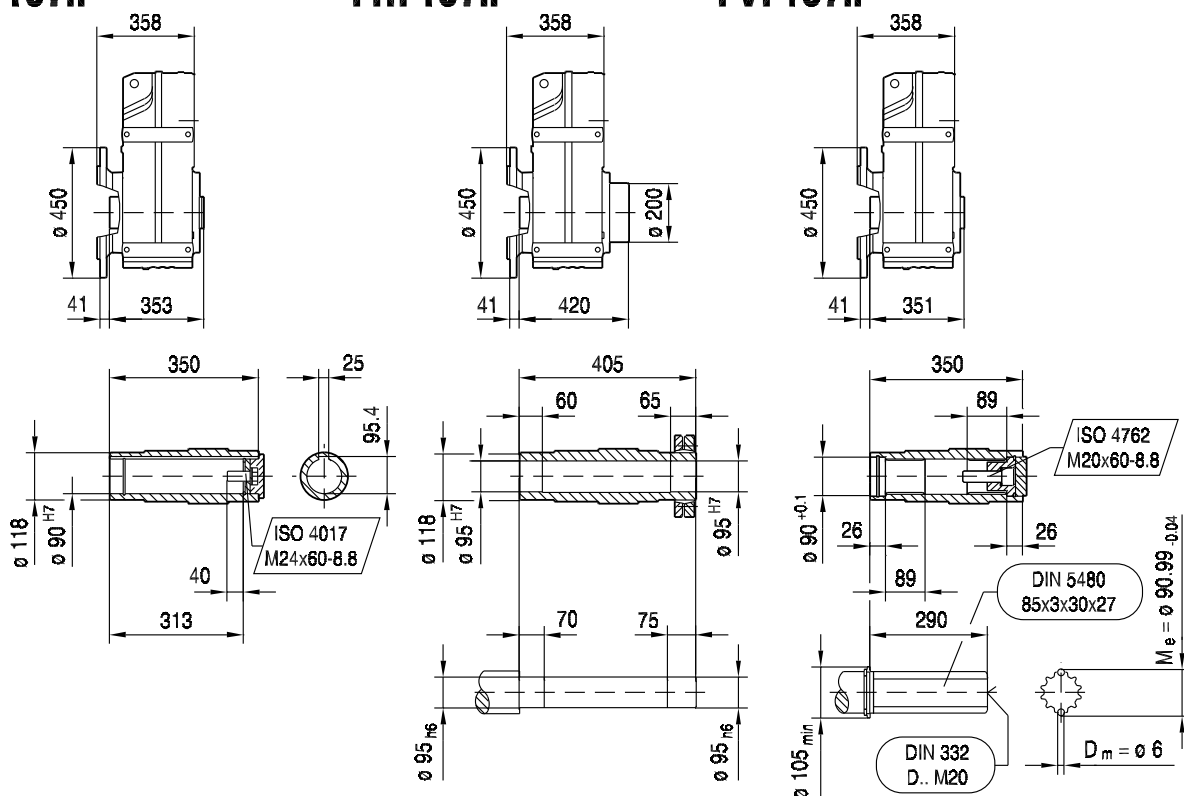
42 115 00 08^L



FAF107..

FHF107..

FVF107..

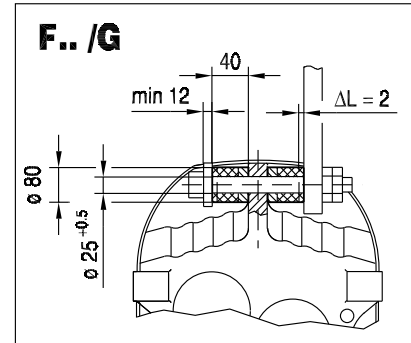
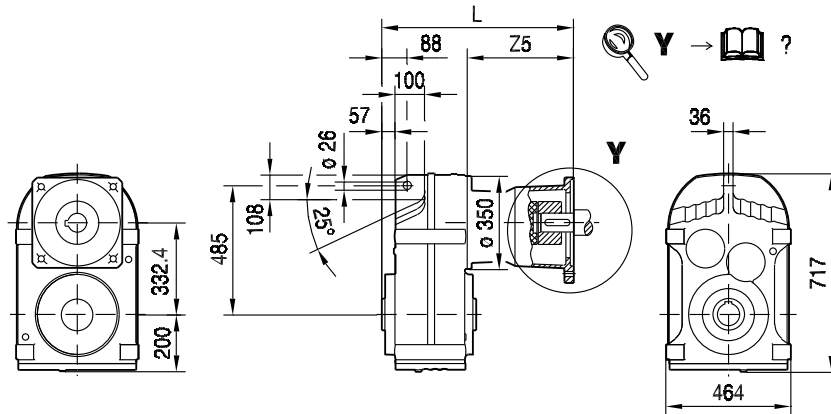


(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	674	687	687	733	757			
Z5	151	164	164	209.5	233.5			



FA107..

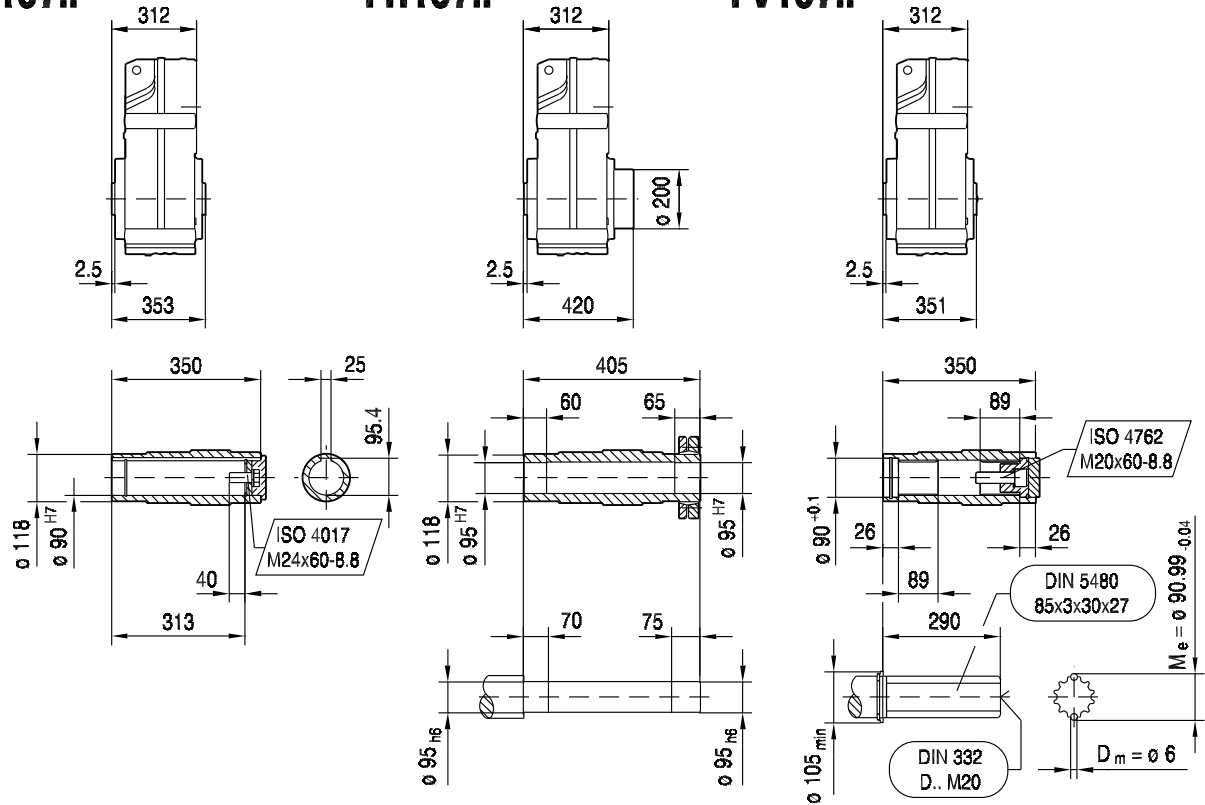
42 116 00 08^L



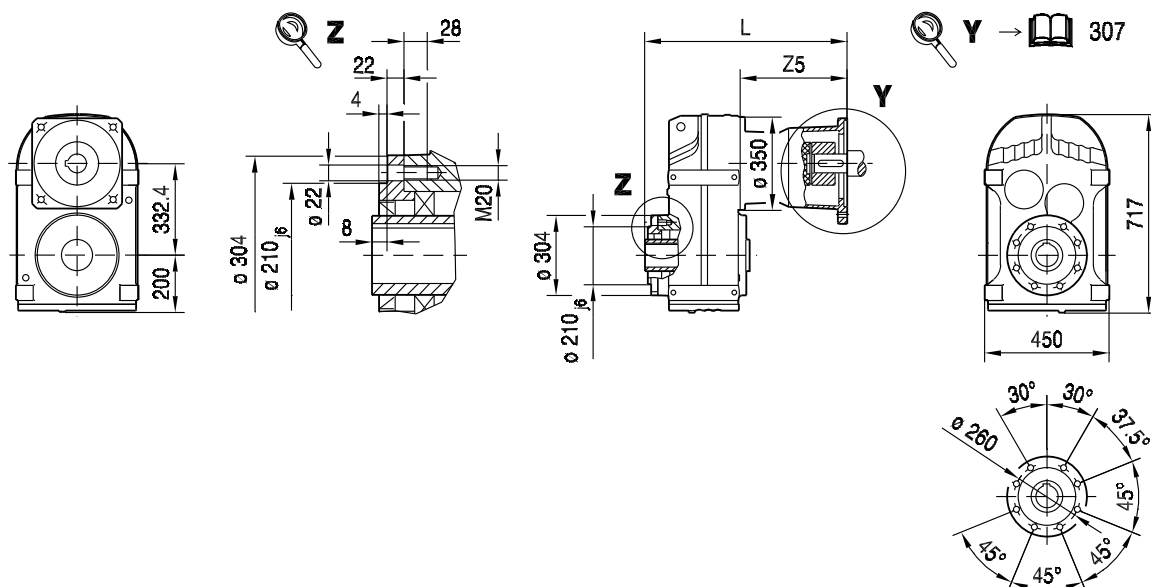
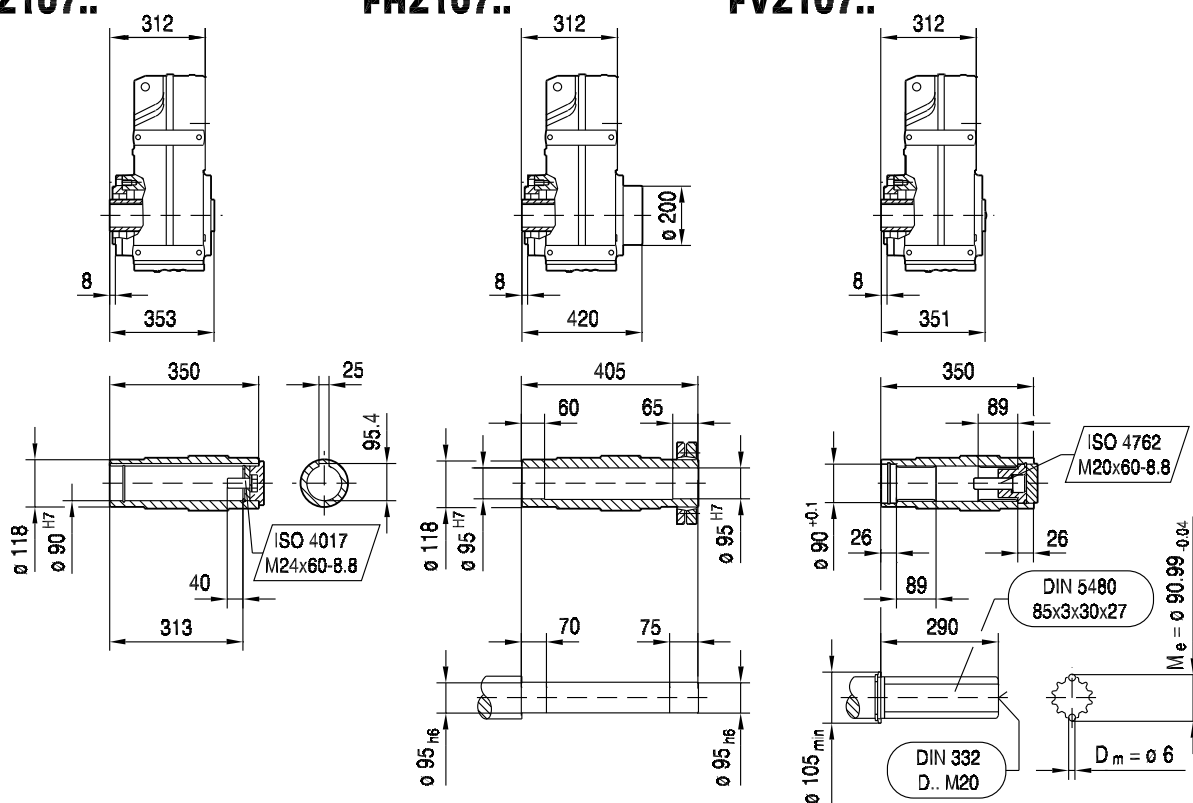
FA107..

FH107..

FV107..



(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	463	476	476	522	546			
Z5	151	164	164	209.5	233.5			

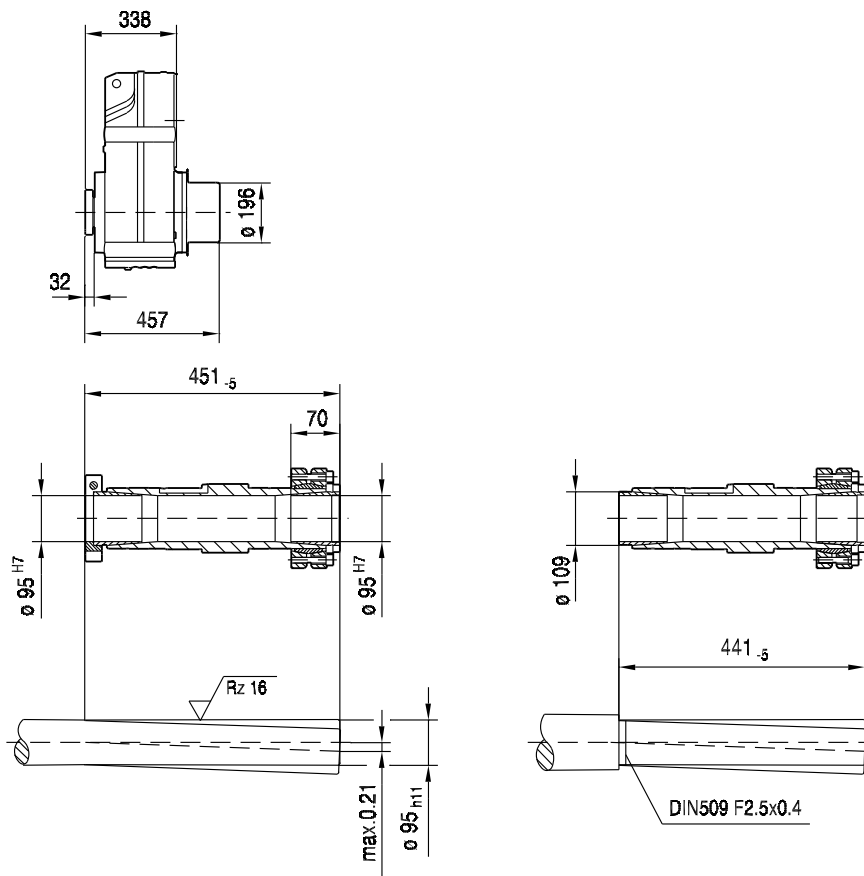
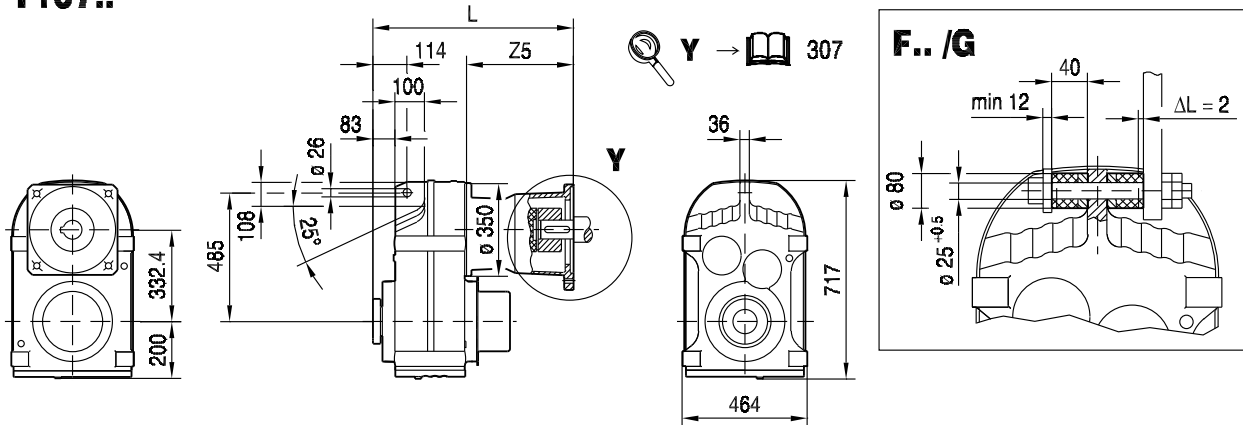
**FAZ107..**42 118 00 08^L**FAZ107..****FHZ107..****FVZ107..**

(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	463	476	476	522	546			
Z5	151	164	164	209.5	233.5			



FT107..

42 117 00 08^L



(→ 144)	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3			
L	489	502	502	548	572			
Z5	151	164	164	209.5	233.5			



9.2.19 F 127 AQ.. [Nm]

[Nm]		AQ. M_{amax} M_{apk} $M_{aNotaus}$		
	i	190/1-3		
FA127 2	4.68			
	5.52			
	6.80	1080	1080	1080
	7.88	1260	1260	1260
	8.86	1410	1410	1410
	10.19			
	12.54	2000	2000	2000
	14.55	2320	2320	2320
	16.36	2610	2610	2610
	18.87	3010	3010	3010
	21.38	3420	3420	3420
	24.57	3930	3930	3930
	26.86	4290	4290	4290
FA127 3	25.30			
	31.33	5010	5010	5010
	37.28	5960	5960	5960
	42.15	6740	6740	6740
	48.80	7800	7800	7800
	55.31	8840	8840	8840
	63.91	10200	10200	10200
	70.07	11200	11200	11200
	75.41	12000	12000	12000
	87.31	12000	13000	13900
	98.95	12000	13000	15800
	114.34	12000	13000	18200
	125.37	12000	13000	20000
	153.67	12000	13000	20400
	170.83	12000	13000	20400

m [kg]		AQ.
	s	190/1-3
FA127	2	385
FA127	3	400
FAF: + 37.4 kg / F: + 36.5 kg / FF: + 81.1 kg		

		AQ. 190/1-3		
$J_A 10^{-4}$	[kgm ²]	25.0		
c_{TA}	[Nm/°]	2.08		

FA127 $\eta_e = 1400$							F_{Rmax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	η_{ak} [1/min]	$J_G 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA127 2	4.68	6000	9000	10200	299	971	5630	50000	29500	34700	90000	90000	90000	90000
	5.52	6000	9000	10200	344	733	7110	53500	31700	37100	90000	90000	90000	90000
	6.80	7000	9890	11900	235	524	5670	55000	32200	38100	90000	90000	90000	90000
	7.88	6000	9000	10200	419	400	10600	61800	37000	42800	90000	90000	90000	90000
	8.86	7000	9910	11900	271	329	8410	61400	36400	42600	90000	90000	90000	90000
	10.19	9500	13000	16150	157	483	1090	58900	30900	36300	90000	90000	88500	90000
	12.54	10000	13000	17000	120	359	2670	63000	33300	39100	90000	90000	88500	90000
	14.55	11000	13000	18700	96	278	475	64200	32600	38500	90000	90000	88500	90000
	16.36	11000	13000	18700	86	232	3190	67700	35400	41600	90000	90000	88500	90000
	18.87	11000	13000	18700	79	185	6620	72100	38800	45500	90000	90000	88500	90000
	21.38	12000	13000	20400	65	152	4380	73100	38000	44800	90000	90000	88500	90000
	24.57	8500	12750	14450	187	124	18400	88300	53300	61300	90000	90000	89000	90000
	26.86	8500	12600	14450	186	108	19800	90000	55300	63500	90000	90000	89300	90000

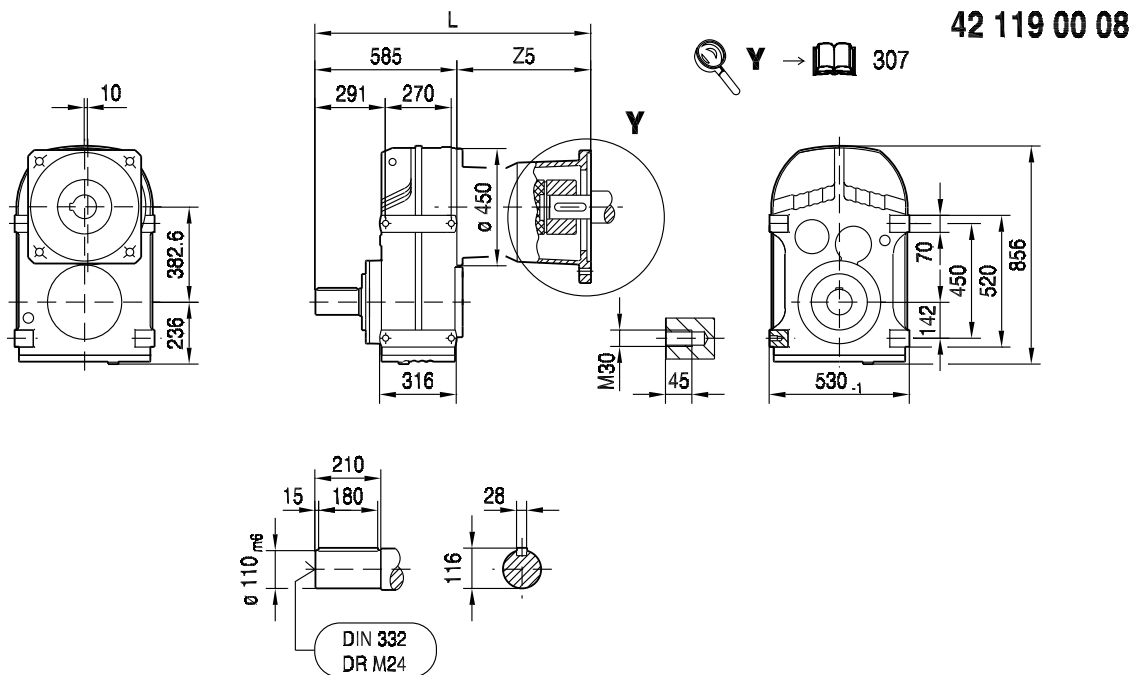
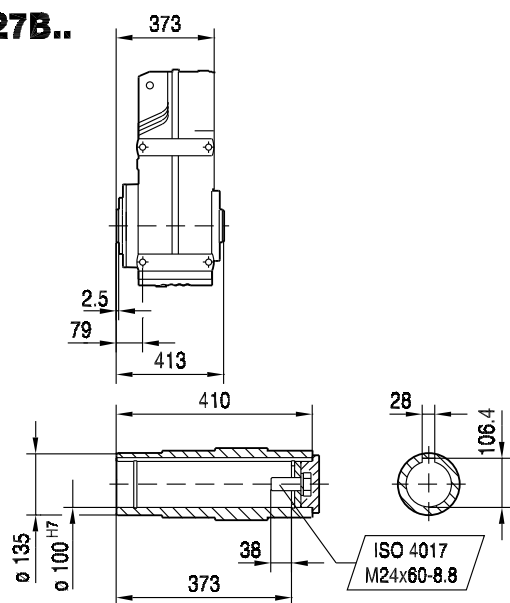
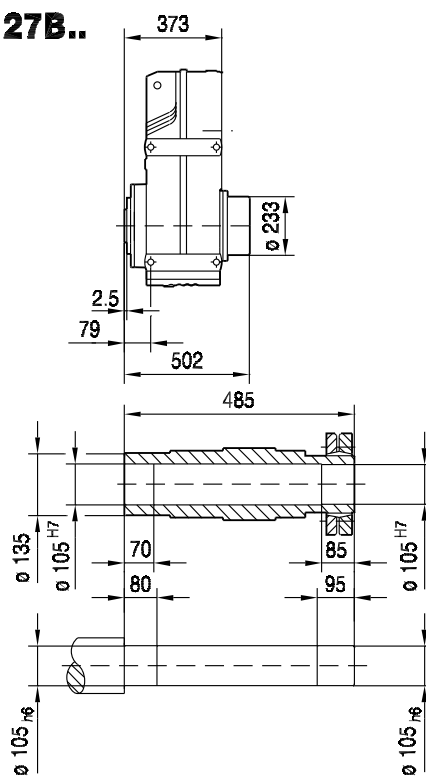


FA127 $n_e = 1400$							F_{Ramax}				F_{Rapk}			
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_G \cdot 10^{-4}$ [kgm ²]	FA [N]	FAF [N]	F [N]	FF [N]	FA [N]	FAF [N]	F [N]	FF [N]
FA127  3	25.30	12000	12900	20400	59	284	7720	78800	42400	49800	90000	90000	88700	90000
	31.33	12000	12900	20400	61	212	11100	86400	48300	56300	90000	90000	88700	90000
	37.28	12000	12900	20400	62	166	14000	90000	53200	61900	90000	90000	88700	90000
	42.15	12000	12900	20400	62	140	16200	90000	56800	66000	90000	90000	88700	90000
	48.80	12000	12900	20400	61	113	18900	90000	61300	71000	90000	90000	88700	90000
	55.31	12000	12900	20400	61	93	21400	90000	65200	75500	90000	90000	88700	90000
	63.91	12000	12900	20400	61	77	24300	90000	69400	80300	90000	90000	88700	90000
	70.07	12000	12900	20400	61	67	26300	90000	72100	83200	90000	90000	88700	90000
	75.41	12000	13000	20400	60	119	27900	90000	74300	85600	90000	90000	88500	90000
	87.31	12000	13000	20400	60	98	31200	90000	79000	90000	90000	90000	88500	90000
	98.95	12000	13000	20400	61	82	34100	90000	83000	90000	90000	90000	88500	90000
	114.34	12000	13000	20400	61	68	37700	90000	88000	90000	90000	90000	88500	90000
	125.37	12000	13000	20400	56	60	40000	90000	90000	90000	90000	90000	88500	90000
	153.67	12000	13000	20400	46	39	45500	90000	90000	90000	90000	90000	88500	90000
	170.83	12000	13000	20400	41	34	48500	90000	90000	90000	90000	90000	88500	90000

AQ.		n_{epk} [1/min]	η [%]	C_{TG}				ϕ /R [°]
	i			FA [Nm/°]	FAF [Nm/°]	F [Nm/°]	FF [Nm/°]	
FA127  2	4.68	2518	97	1988	1988	1174	1092	7
	5.52	2797	97	1988	1988	1174	1092	7
	6.80	3197	97	1988	1988	1174	1092	7
	7.88	3597	97	1988	1988	1174	1092	6
	8.86	3924	97	1988	1988	1174	1092	6
	10.19	4500	97	2523	2523	1342	1236	5
	12.54	4500	97	2523	2523	1342	1236	5
	14.55	4500	97	2523	2523	1342	1236	5
	16.36	4500	97	2523	2523	1342	1236	5
	18.87	4500	97	2523	2523	1342	1236	5
	21.38	4500	97	2523	2523	1342	1236	5
	24.57	4500	97	2523	2523	1342	1236	5
	26.86	4500	97	2523	2523	1342	1236	5
FA127  3	25.30	4500	96	2861	2861	1432	1312	5
	31.33	4500	96	2861	2861	1432	1312	5
	37.28	3597	96	2861	2861	1432	1312	5
	42.15	3924	96	2861	2861	1432	1312	5
	48.80	4378	96	2861	2861	1432	1312	5
	55.31	4500	96	2861	2861	1432	1312	5
	63.91	4500	96	2861	2861	1432	1312	5
	70.07	4500	96	2861	2861	1432	1312	5
	75.41	3924	95	2898	2898	1442	1320	5
	87.31	4378	95	2898	2898	1442	1320	5
	98.95	4500	95	2898	2898	1442	1320	5
	114.34	4500	95	2898	2898	1442	1320	5
	125.37	4500	95	2898	2898	1442	1320	5
	153.67	4500	95	2898	2898	1442	1320	5
	170.83	4500	95	2898	2898	1442	1320	5



9.2.20 F 127 AQ.. [mm]

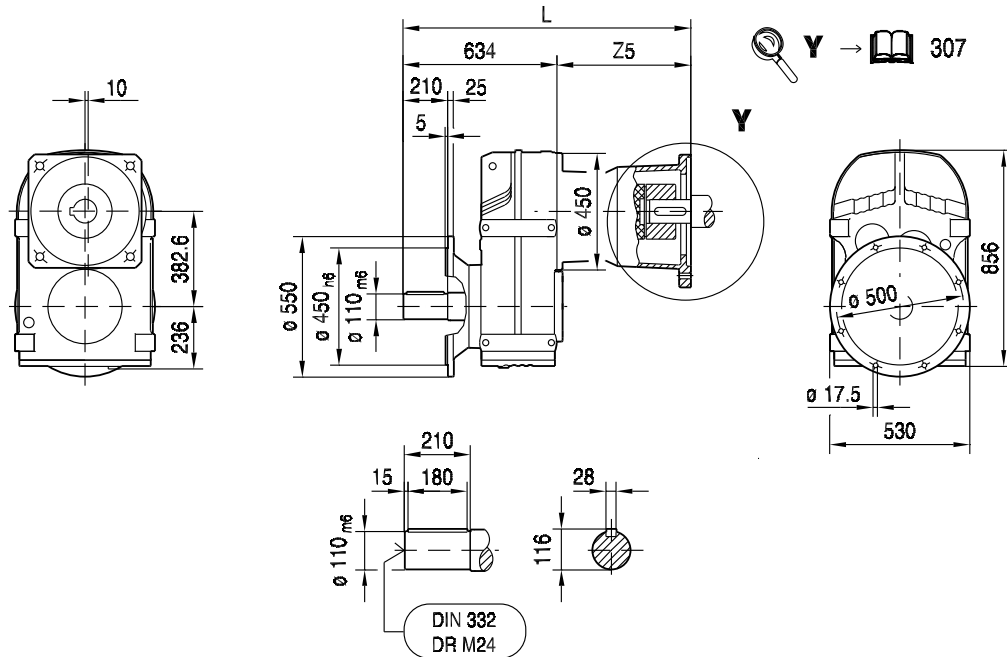
F127..**FA127B..****FH127B..**

(→ 144)	AQ190/1-2	AQ190/3						
L	780	804						
Z5	194.5	218.5						



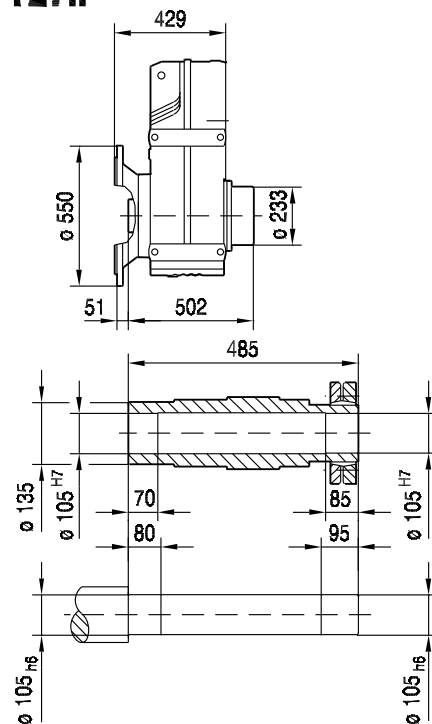
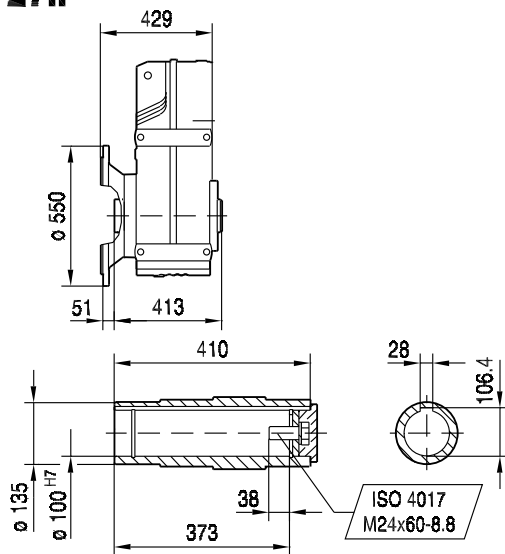
FF127..

42 120 00 08^L



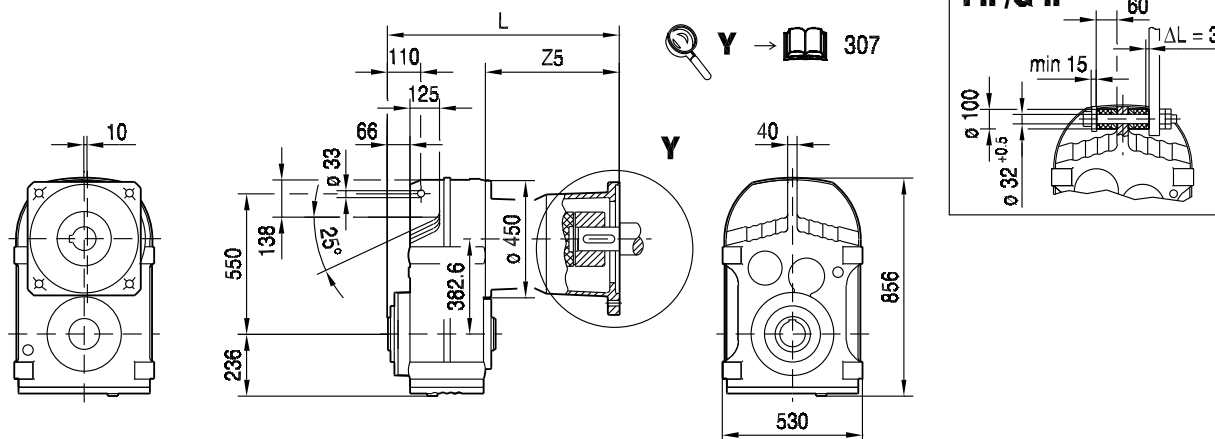
FAF127..

FHF127..

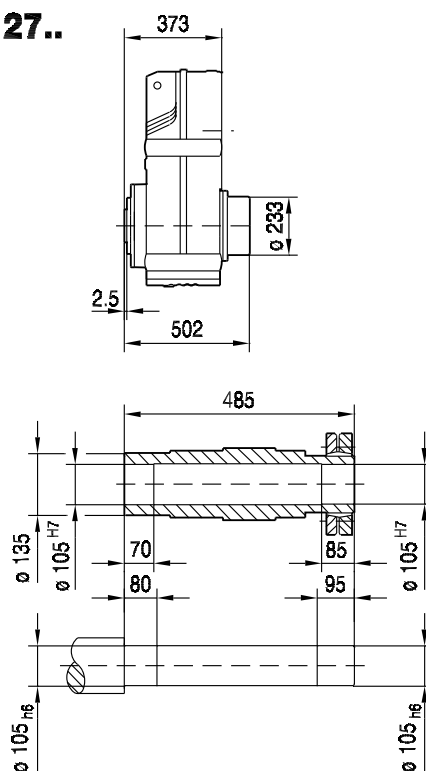
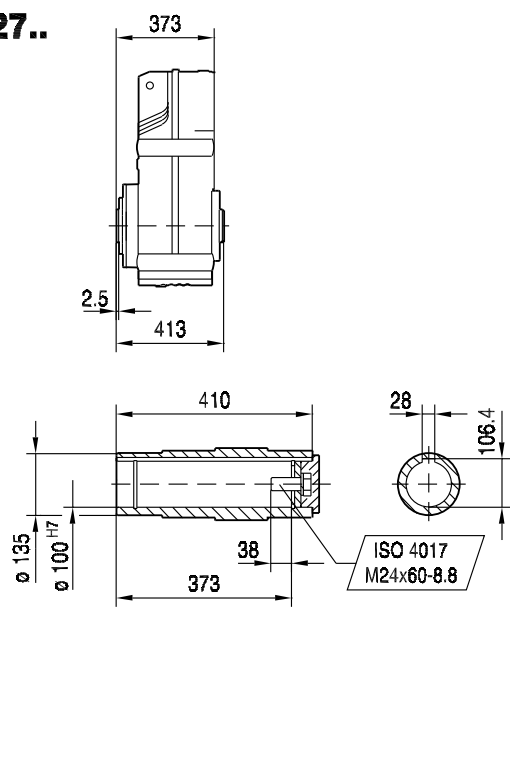


(→ 144)	AQ190/1-2	AQ190/3						
L	829	853						
Z5	194.5	218.5						

42 121 00 08



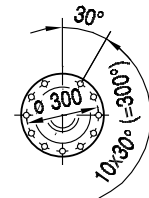
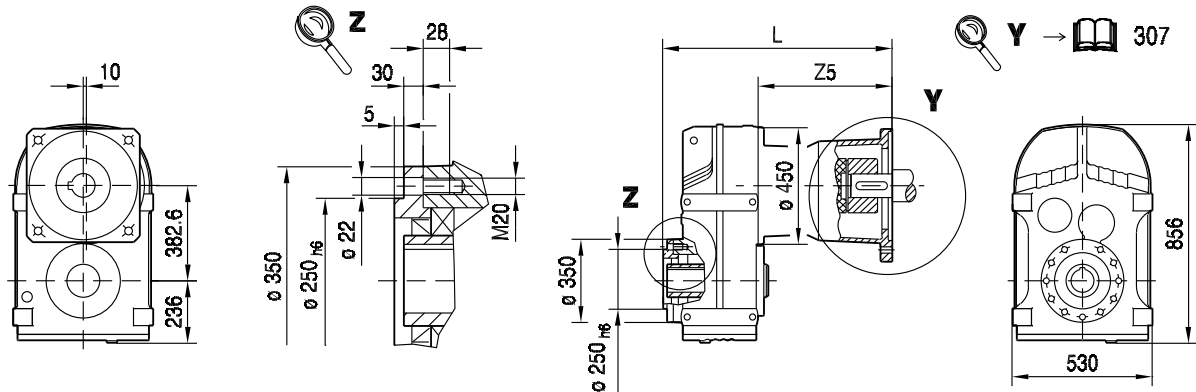
FH127..



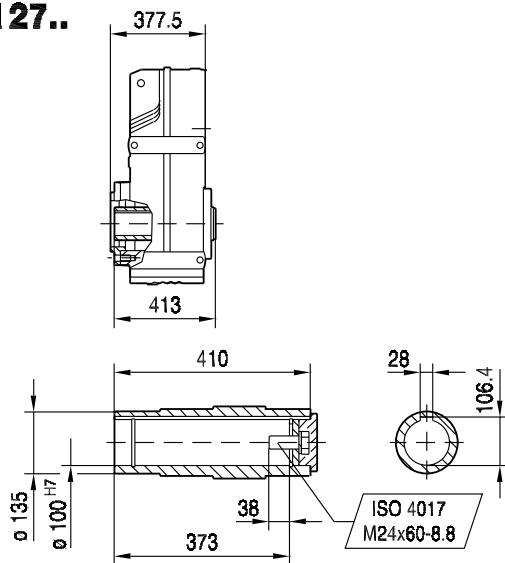


FAZ127..

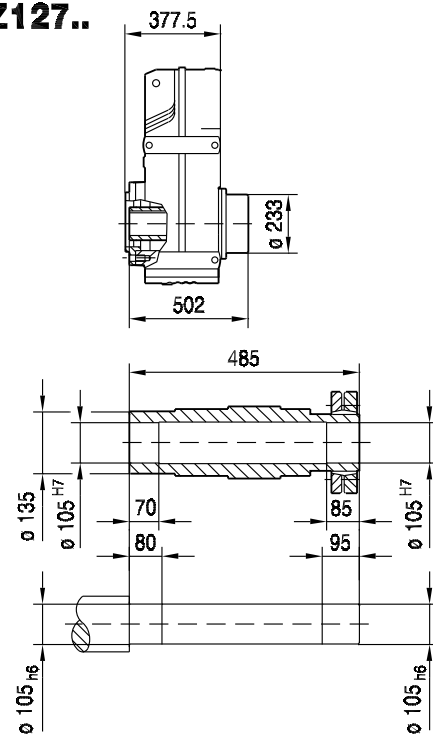
42 123 00 08^L



FAZ127..



FHZ127..

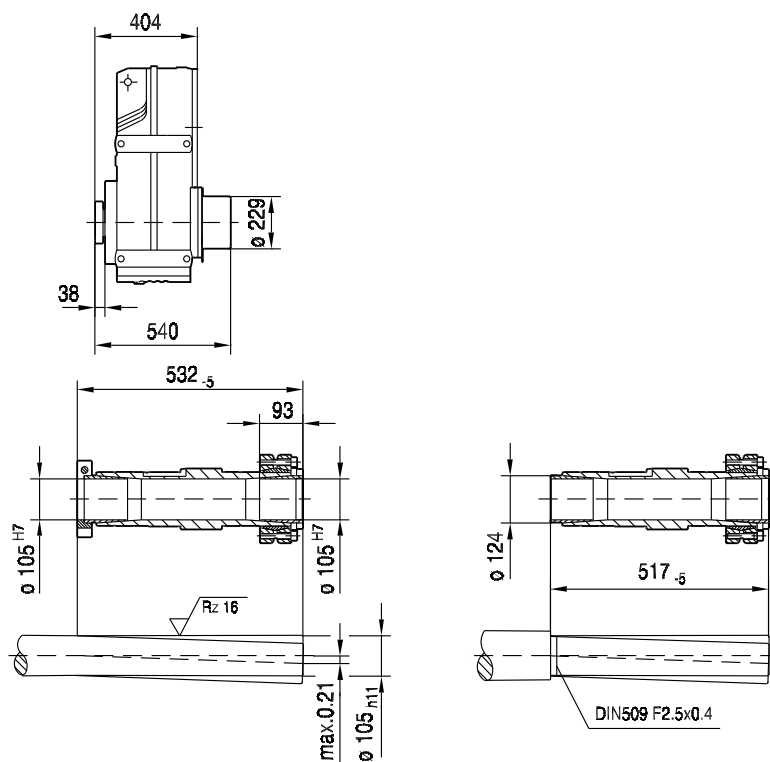
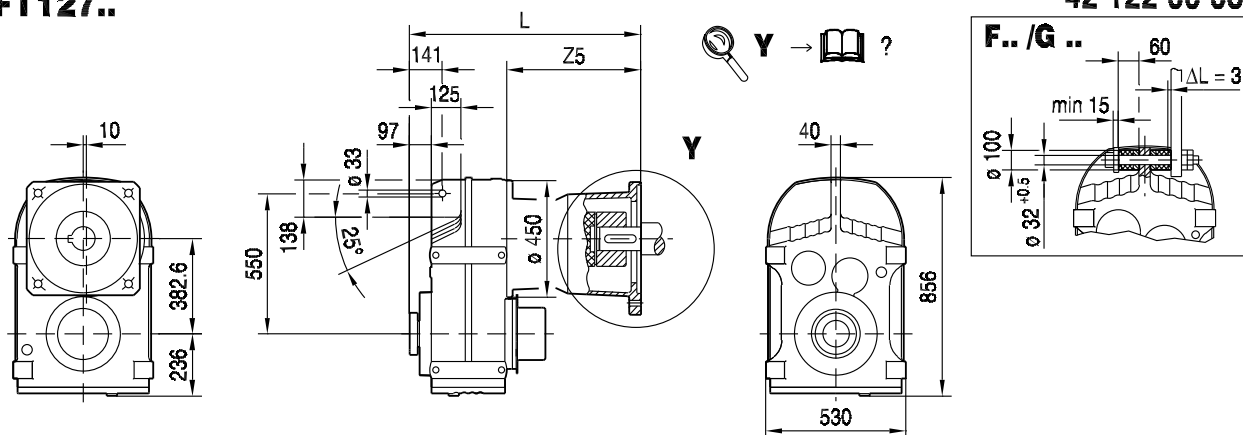


(→ 144)	AQ190/1-2	AQ190/3						
L	572	596						
Z5	194.5	218.5						



F..
F.. AQ..

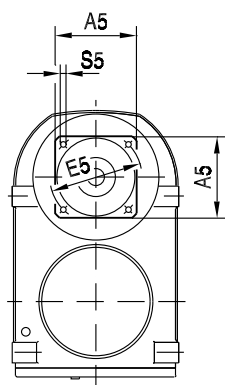
FT127..



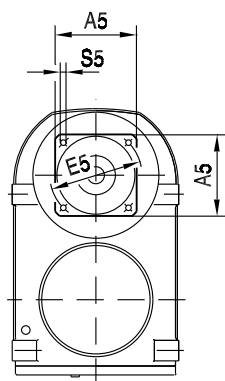
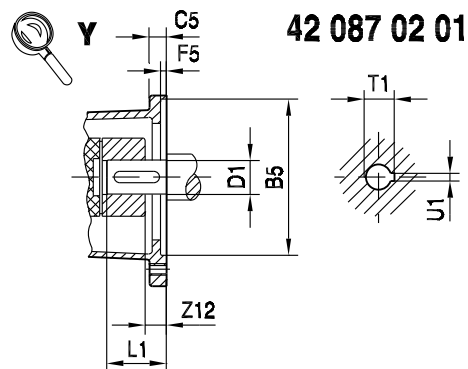
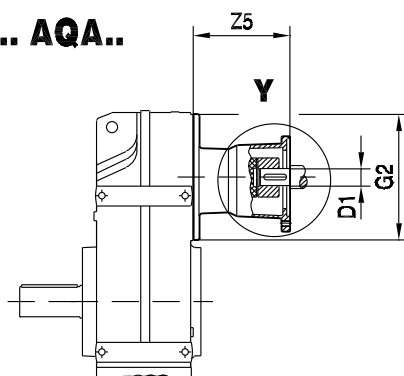
(→ 144)	AQ190/1-2	AQ190/3						
L	599	623						
Z5	194.5	218.5						



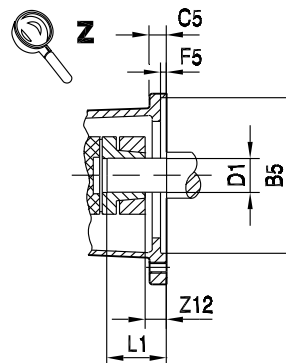
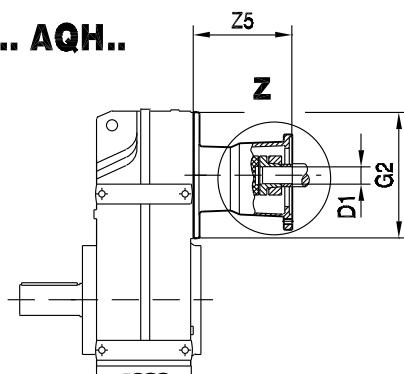
9.3 F.. AQ.. [mm]



F.. AQA..



F.. AQH..



	Square dimension A5	Centering hole Ø B5	Flange thickness C5	Hole circle Ø E5	Centering depth F5	Threaded hole S5	Z12 (AQA)	Z12 (AQH)	Coupling bore Ø D1	Max. motor shaft insertion depth L1	T1	U1
AQ_80/1	82	60	8	75	3.5	M5	5.5	5.5	11	23	12.8	4
AQ_80/2	82	60	8	75	3.5	M5	5.5	5.5	14	30	16.3	5
AQ_80/3	82	50	8	95	3	M6	5.5	5.5	14	30	16.3	5
AQ_100/1	100	80	10	100	4	M6	0	0	14	30	16.3	5
AQ_100/2	100	95	12	115	4	M8	0	0	14	30	16.3	5
AQ_100/3	100	80	10	100	4	M6	2	14	19	40	21.8	6
AQ_100/4	100	95	12	115	4	M8	2	14	19	40	21.8	6
AQ_115/1	115	95	12	130	5	M8	11	23	19	40	21.8	6
AQ_115/2	115	110	12	130	5	M8	11	23	19	40	21.8	6
AQ_115/3	115	110	12	130	5	M8	16	16	24	50	27.3	8
AQ_140/1	140	110	15	165	5	M10	16	16	24	50	27.3	8
AQ_140/2	140	130	15	165	5	M10	16	16	24	50	27.3	8
AQ_140/3	140	130	15	165	5	M10	22	22	32	60	35.3	10
AQ_140/4	140	130	15	165	5	M10	22	22	28	60	31.3	8
AQ_160/1	162	155	15	190	5	M10	22	22	32	60	35.3	10
AQ_190/1	190	130	16	215	5	M12	24	24	32	60	35.3	10
AQ_190/2	190	180	16	215	5	M12	24	24	32	60	35.3	10
AQ_190/3	190	180	16	215	5	M12	34	34	38	80	41.3	10