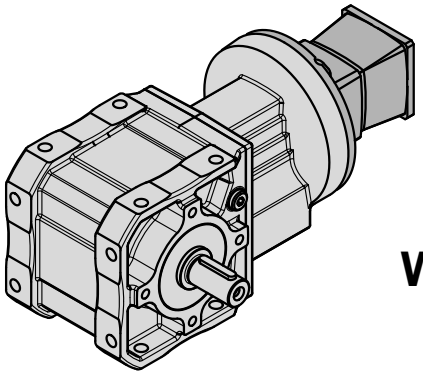
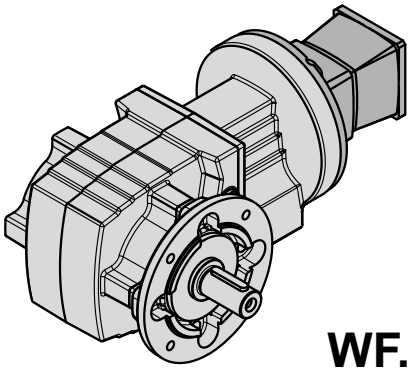
12 W.7..

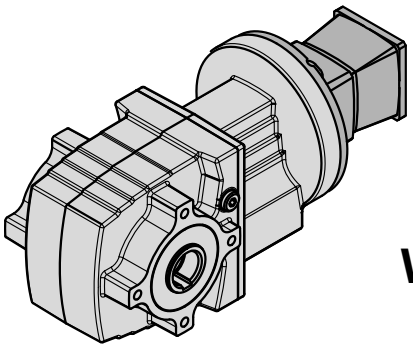
12.1 W.7.. AQ..



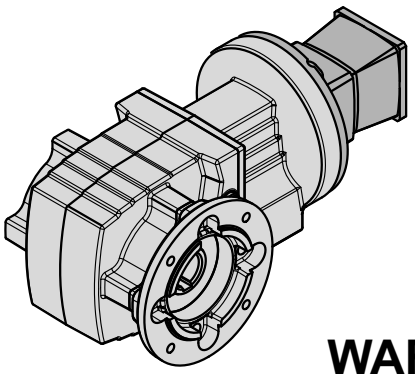
W.7/AQ..



WF.7/AQ..

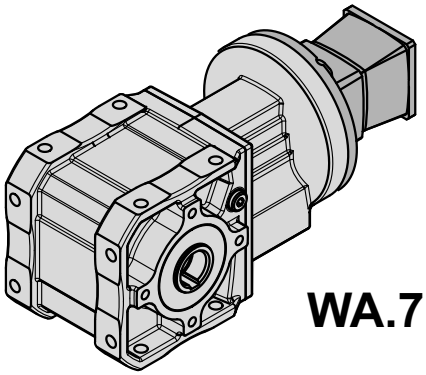


WA.7/AQ..

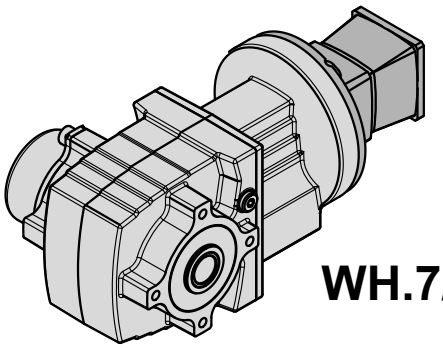


WAF.7/AQ..

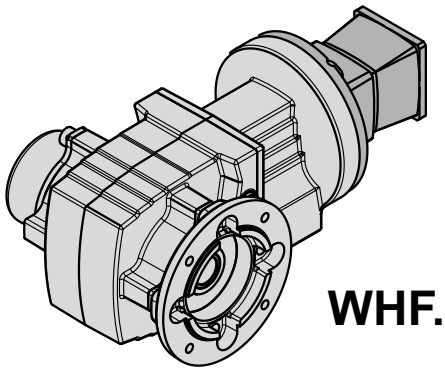
63851axx



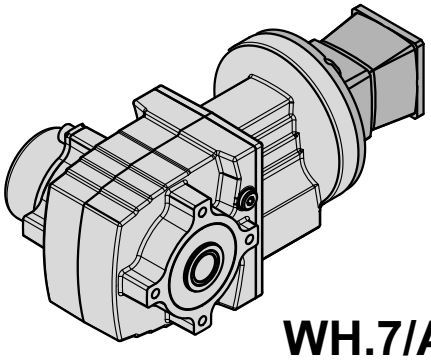
WA.7B/AQ..



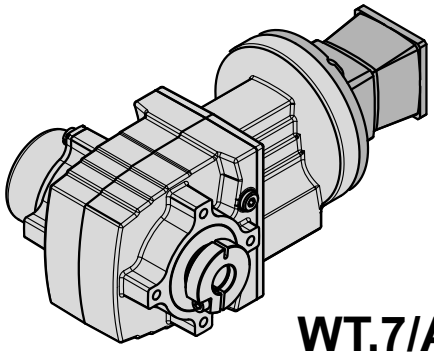
WH.7/AQ..



WHF.7/AQ..



WH.7/AQ..



WT.7/AQ..

63850axx

12.2 W.. AQ..

12.2.1 W 37 AQ.. [Nm]

[Nm]		AQ. M_{amax} | M_{apk} | $M_{aNotaus}$											
	i	80/1-3			100/1-4			115/1-2			115/3		
W37 2	3.20	50	50	98	50	50	101	50	50	101	70	84	119
	3.93	62	62	119	62	62	119	62	62	119	70	84	119
	5.11	70	80	119	70	80	119	70	80	119	70	84	119
	5.77	70	84	119	70	84	119	70	84	119	70	84	119
	6.97	70	84	119	70	84	119	70	84	119	70	84	119
	8.55	70	84	119	70	84	119	70	84	119	70	84	119
	9.92	70	84	119	70	84	119	70	84	119	70	84	119
	10.67	90	108	153	90	108	153	90	108	153	90	108	153
	11.65	70	84	119	70	84	119	70	84	119	70	84	119
	12.70	70	84	119	70	84	119	70	84	119	70	84	119
	13.89	90	108	153	90	108	153	90	108	153	90	108	153
	15.67	90	108	153	90	108	153	90	108	153	90	108	153
	18.94	90	108	153	90	108	153	90	108	153	90	108	153
	21.33	110	102	144	110	102	144	110	102	144	110	102	144
	23.25	90	108	153	90	108	153	90	108	153	90	108	153
	26.96	90	108	153	90	108	153	90	108	153	90	108	153
	27.78	110	111	158	110	111	158	110	111	158	110	111	158
	31.33	110	117	166	110	117	166	110	117	166	110	117	166
	31.67	90	108	153	90	108	153	90	108	153	90	108	153
	34.52	90	108	153	90	108	153	90	108	153	90	108	153
	37.88	110	126	178	110	126	178	110	126	178	110	126	178
	46.49	110	130	187	110	130	187	110	130	187	110	130	187
	53.92	110	130	187	110	130	187	110	130	187	110	130	187
	63.33	110	126	178	110	126	178	110	126	178	110	126	178
	69.05	110	130	187	110	130	187	110	130	187	110	130	187

m [kg]		AQ.			
	s	80/1-3	100/1-4	115/1-2	115/3
W37	2	9.3	10	10	10
WF: + 0.0 kg / WA: + 0.0 kg / WAF: + 0.0 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

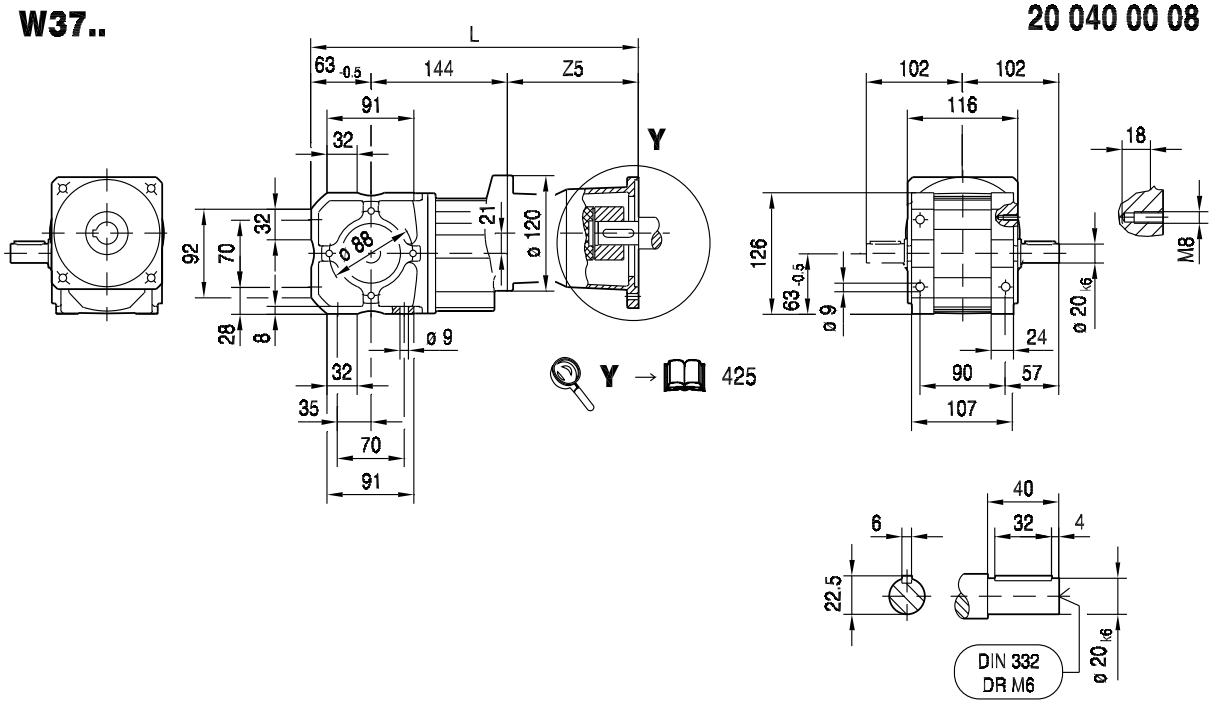
W37 n_e = 1400	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	F_{Ramax} W [N]	WF [N]	WA [N]	WAF [N]	F_{Rapk} W [N]	WF [N]	WA [N]	WAF [N]
	3.20	70	84	119	2188	2.0	2220	2350	2050	2050	3690	3690	5000	5000
	3.93	70	84	119	1781	1.4	2410	2550	2240	2240	3690	3690	5000	5000
	5.11	70	84	119	1370	0.85	2680	2820	2490	2490	3690	3690	5000	5000
	5.77	70	84	119	1213	0.68	2810	2950	2620	2620	3690	3690	5000	5000
	6.97	70	84	119	1004	0.48	3020	3170	2830	2830	3690	3690	5000	5000
	8.55	70	84	119	819	0.33	3270	3420	3070	3070	3690	3690	5000	5000
	9.92	70	84	119	706	0.25	3460	3620	3250	3250	3690	3690	5000	5000
	10.67	90	108	153	150	0.78	2880	3140	2530	2530	3360	3360	5000	5000
	11.65	70	84	119	601	0.19	3680	3830	3460	3460	3690	3690	5000	5000
	12.70	70	84	119	551	0.16	3800	3830	3580	3580	3690	3690	5000	5000
	13.89	90	108	153	151	0.50	3250	3510	2890	2890	3360	3360	5000	5000
W37	15.67	90	108	153	147	0.41	3430	3610	3070	3070	3360	3360	5000	5000
 2	18.94	90	108	153	148	0.29	3610	3610	3360	3360	3360	3360	5000	5000
	21.33	110	102	144	66	0.71	3320	3320	2950	2950	3450	3450	5000	5000
	23.25	90	108	153	146	0.21	3610	3610	3690	3690	3360	3360	5000	5000
	26.96	90	108	153	145	0.16	3610	3610	3950	3950	3360	3360	5000	5000
	27.78	110	111	158	50	0.46	3320	3320	3400	3400	3300	3300	5000	5000
	31.33	110	117	166	45	0.38	3320	3320	3620	3620	2960	2960	5000	5000
	31.67	90	108	153	145	0.12	3610	3610	4240	4240	3360	3360	5000	5000
	34.52	90	108	153	145	0.11	3610	3610	4410	4410	3360	3360	5000	5000
	37.88	110	126	178	37	0.27	3320	3320	3990	3990	2080	2080	5000	5000
	46.49	110	130	187	32	0.19	3320	3320	4410	4410	1490	1490	5000	5000
	53.92	110	130	187	32	0.15	3320	3320	4730	4730	1490	1490	5000	5000
	63.33	110	126	178	36	0.12	3320	3320	5000	5000	2080	2080	5000	5000
	69.05	110	130	187	32	0.10	3320	3320	5000	5000	1490	1490	5000	5000

AQ.	i	n_{epk} [1/min]	η [%]	c_{TG} W [Nm/']	WF [Nm/']	WA [Nm/']	WAF [Nm/']
	3.20	4500	93	-	-	-	-
	3.93	4500	92	-	-	-	-
	5.11	4500	92	-	-	-	-
	5.77	4500	92	-	-	-	-
	6.97	4500	92	-	-	-	-
	8.55	4500	91	-	-	-	-
	9.92	4500	91	-	-	-	-
	10.67	4500	87	-	-	-	-
	11.65	4500	91	-	-	-	-
	12.70	4500	91	-	-	-	-
	13.89	4500	86	-	-	-	-
W37	15.67	4500	86	-	-	-	-
2	18.94	4500	85	-	-	-	-
	21.33	4500	76	-	-	-	-
	23.25	4500	84	-	-	-	-
	26.96	4500	83	-	-	-	-
	27.78	4500	74	-	-	-	-
	31.33	4500	73	-	-	-	-
	31.67	4500	82	-	-	-	-
	34.52	4500	81	-	-	-	-
	37.88	4500	72	-	-	-	-
	46.49	4500	70	-	-	-	-
	53.92	4500	69	-	-	-	-
	63.33	4500	67	-	-	-	-
	69.05	4500	67	-	-	-	-

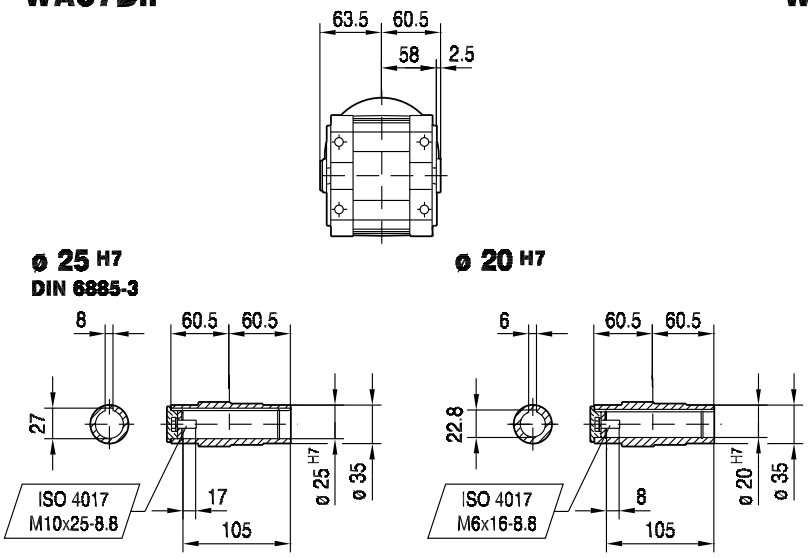
12.2.2 W 37 *AQ.. [mm]*

W37..

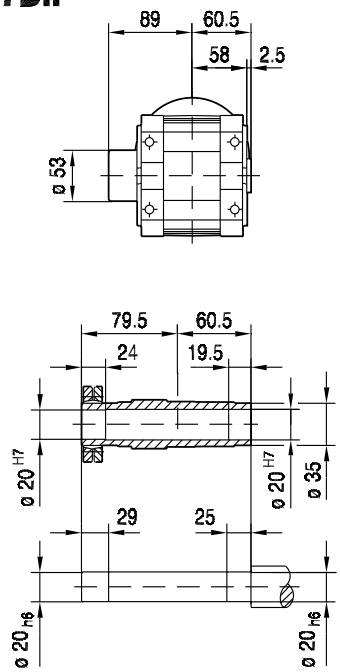
20 040 00 08



WA37B..



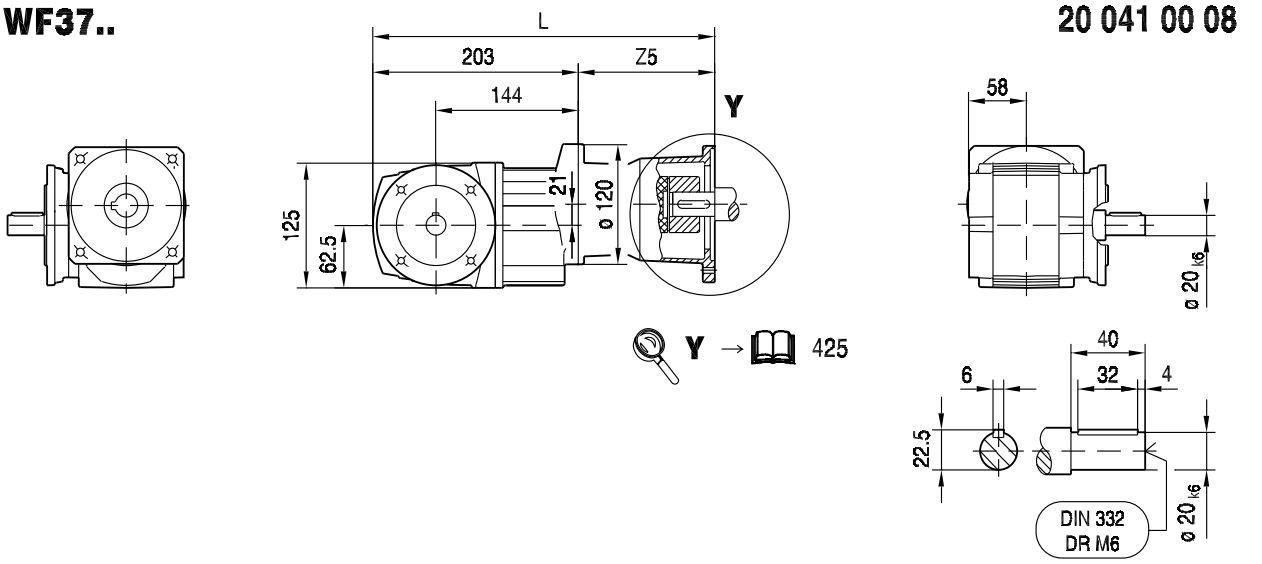
WH37B..

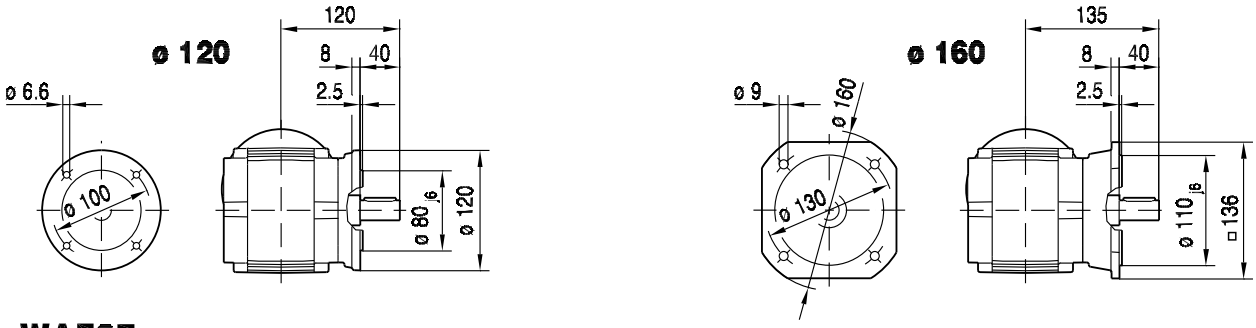


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	312	337	351	360				
Z5	104.5	129.5	143.5	152.5				

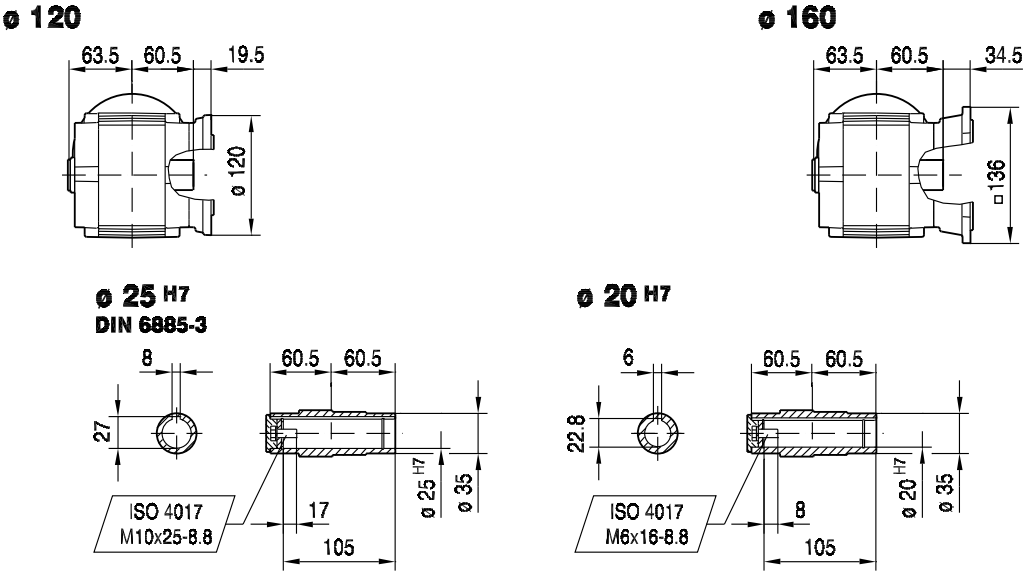
WF37..

20 041 00 08





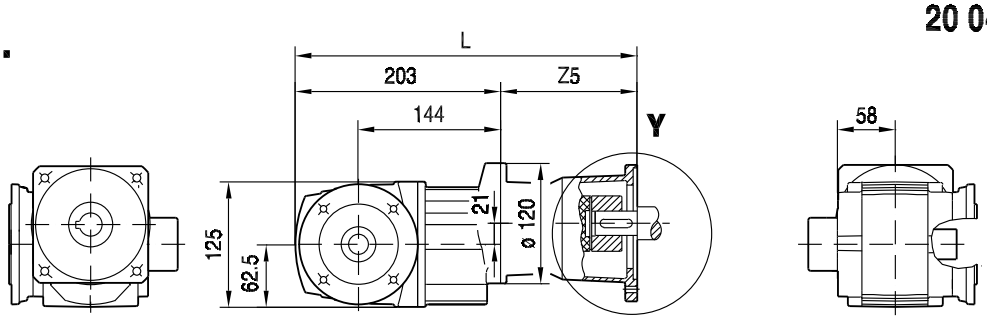
WAF37..



(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	308	333	347	356				
Z5	104.5	129.5	143.5	152.5				

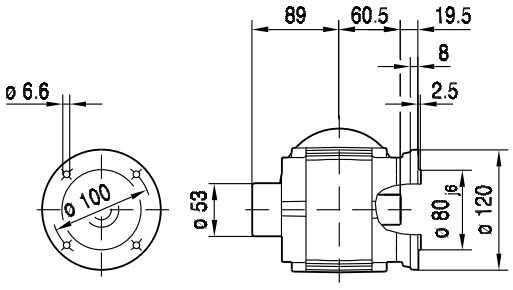
20 042 00 08

WHF37..

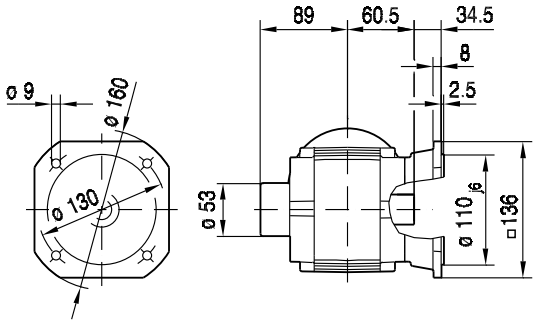


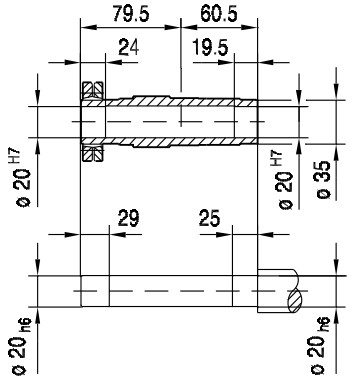
Y → 425

ø 120



ø 160

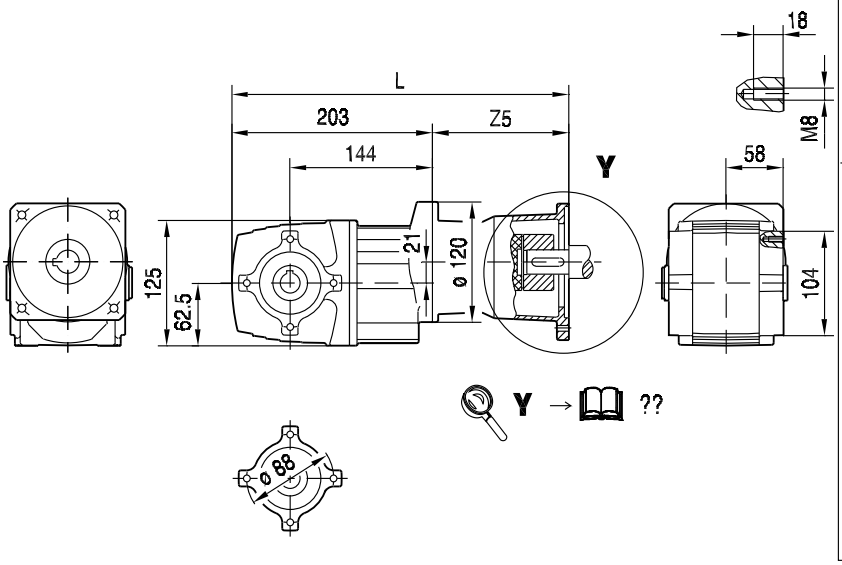




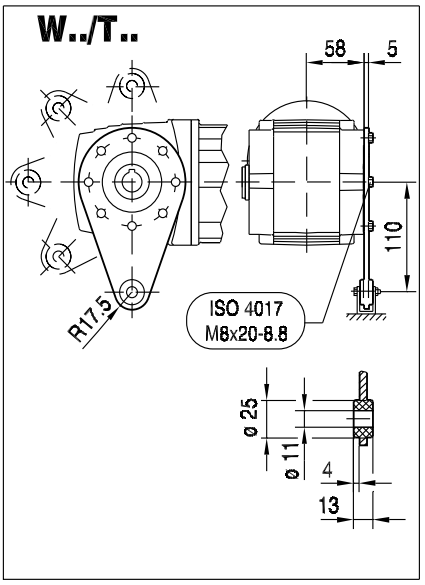
(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	308	333	347	356				
Z5	104.5	129.5	143.5	152.5				

20 043 00 08

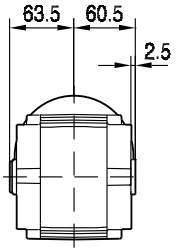
WA37..



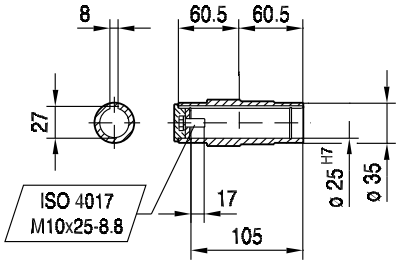
W../T..



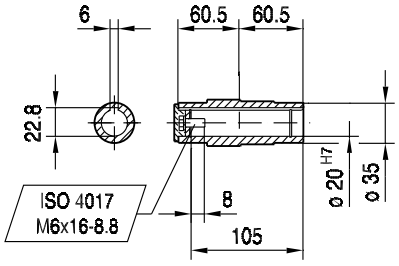
WA37..



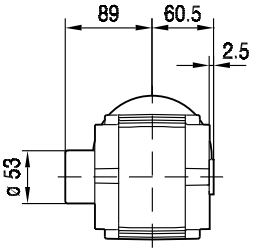
ø 25 H7
DIN 6885-3

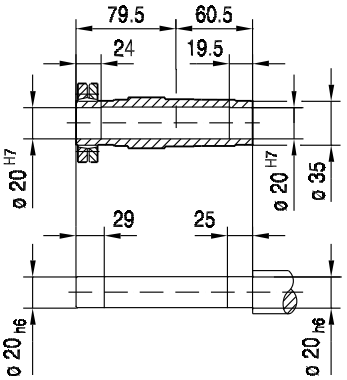


ø 20 H7



WH37..

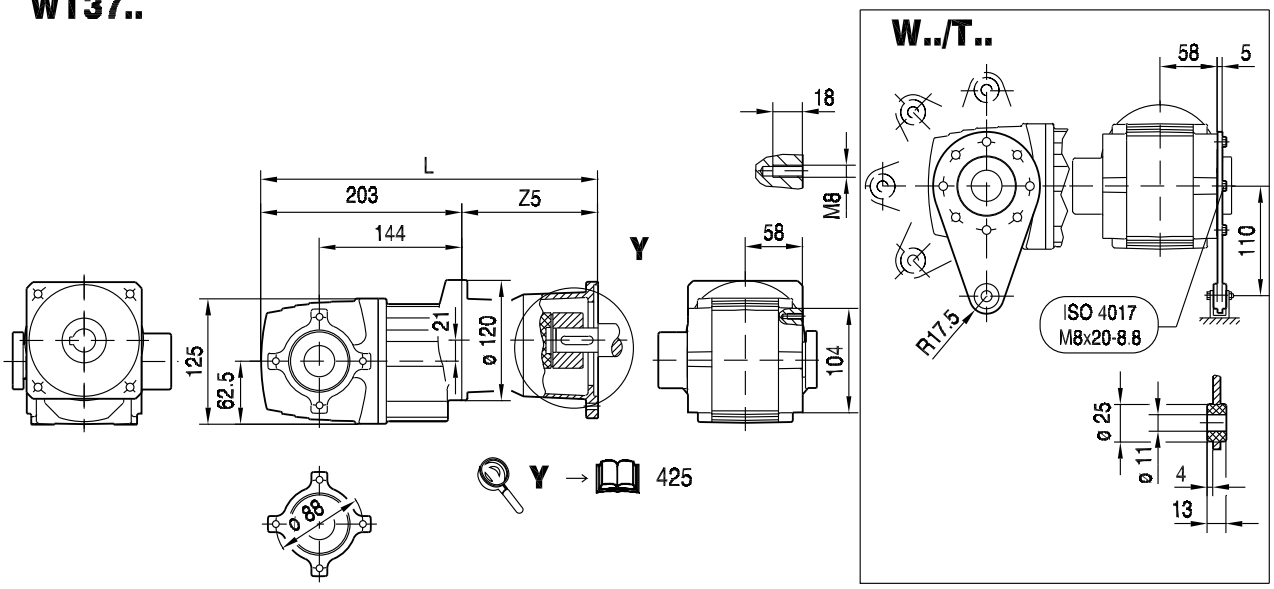


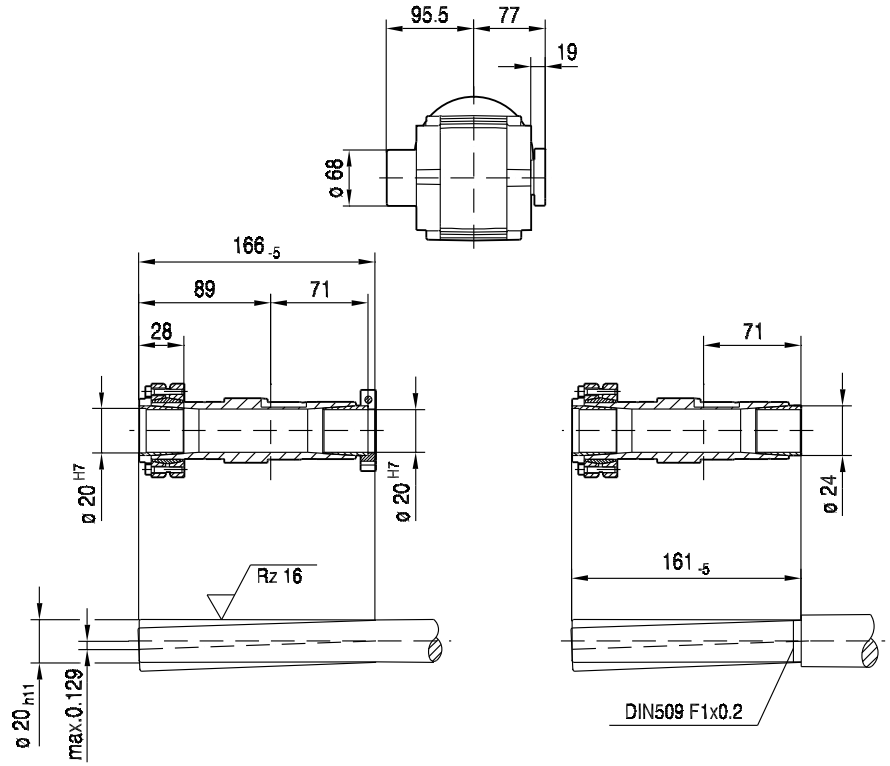


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	308	333	347	356				
Z5	104.5	129.5	143.5	152.5				

20 044 00 08

WT37..





(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3				
L	308	333	347	356				
Z5	104.5	129.5	143.5	152.5				

12.2.3 W 47 AQ.. [Nm]

[Nm]		AQ. M_{amax} | M_{apk} | $M_{aNotaus}$																								
	i	80/1-3			100/1-4			115/1-2			115/3			140/1			140/2-4			160/1			190/1-3		
W47 2	3.27	52	52	95	52	52	95	52	52	95	110	132	140	110	132	198	110	132	198	110	132	198	110	132	198
	3.89	62	62	111	62	62	111	62	62	111	110	132	165	110	132	198	110	132	198	110	132	198	110	132	198
	4.40	70	70	127	70	70	127	70	70	127	110	132	190	110	132	198	110	132	198	110	132	198	110	132	198
	5.23	84	84	151	83	83	151	83	83	151	110	132	198	110	132	198	110	132	198	110	132	198	110	132	198
	5.58	89	89	160	89	89	160	89	89	160	110	132	198	110	132	198	110	132	198	110	132	198	110	132	198
	6.53	104	104	187	104	104	187	104	104	187	110	132	198	110	132	198	110	132	198	110	132	198			
	7.32	110	116	198	110	116	198	110	116	198	110	132	198	110	132	198	110	132	198	110	132	198			
	8.61	110	132	198	110	132	198	110	132	198	110	132	198	110	132	198	110	132	198	110	132	198			
	9.96	110	132	198	110	132	198	110	132	198	110	132	198												
	10.66	61	73	109	110	132	198	110	132	198	110	132	198												
	11.32	160	169	285	160	169	285	160	169	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285
	12.30	63	75	113	87	104	156	87	104	156	87	104	156												
	13.44	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285
	14.35	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285
	16.80	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285			
	18.82	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285			
	22.15	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285	160	192	285			
	25.07	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320
	25.62	160	192	285	160	192	285	160	192	285	160	192	285												
	26.76	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320
	27.41	160	192	285	160	192	285	160	192	285	160	192	285												
	31.33	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320			
	31.62	147	176	260	160	192	285	160	192	285	160	192	285												
	35.09	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320			
	41.30	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320	180	215	320			
	47.78	180	215	320	180	215	320	180	215	320	180	215	320												
	51.12	180	215	320	180	215	320	180	215	320	180	215	320												
	58.98	180	215	320	180	215	320	180	215	320	180	215	320												
	68.93	180	215	320	180	215	320	180	215	320	180	215	320												
	74.98	180	215	320	180	215	320	180	215	320	180	215	320												

m [kg]		AQ.							
	s	80/1-3	100/1-4	115/1-2	115/3	140/1	140/2-4	160/1	190/1-3
W47	2	16	16	16	16	21	21	21	30
WF: + 0.5 kg / WA: + -1.5 kg / WAF: + -0.7 kg									

		AQ.							
		80/1-3	100/1-4	115/1-2	115/3	140/1	140/2-4	160/1	190/1-3
$J_A\ 10^{-4}$	[kgm^2]	0.77	1.4	1.4	3.1	5.1	10.0	10.0	25.0
c_{TA}	[Nm/']	0.25	0.25	0.25	0.625	0.625	1.0	1.0	2.08

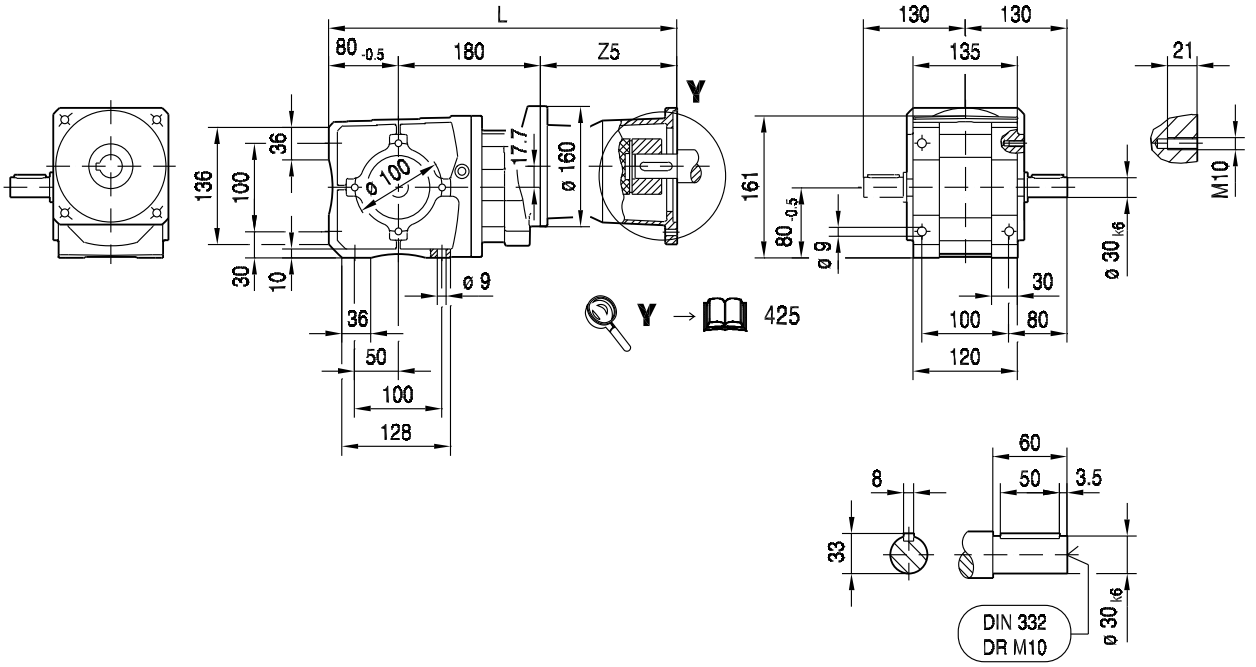
W47							F_{Ramax}				F_{Rapk}			
n_e = 1400	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	W [N]	WF [N]	WA [N]	WAF [N]	W [N]	WF [N]	WA [N]	WAF [N]
W47 2	3.27	110	132	198	2141	6.0	2690	3170	2440	2440	6990	7910	8000	8000
	3.89	110	132	198	1799	4.3	2900	3390	2640	2640	6990	7910	8000	8000
	4.40	110	132	198	1591	3.4	3050	3560	2790	2790	6990	7910	8000	8000
	5.23	110	132	198	1338	2.4	3270	3810	3010	3010	6990	7910	8000	8000
	5.58	110	132	198	1254	2.1	3360	3900	3090	3090	6990	7910	8000	8000
	6.53	110	132	198	1072	1.6	3580	4140	3310	3310	6990	7910	8000	8000
	7.32	110	132	198	956	1.2	3750	4330	3470	3470	6990	7910	8000	8000
	8.61	110	132	198	813	0.91	4000	4600	3720	3720	6990	7910	8000	8000
	9.96	110	132	198	703	0.70	4240	4860	3950	3950	6990	7910	8000	8000
	10.66	110	132	198	657	0.62	4350	4980	4060	4060	6990	7910	8000	8000
	11.32	160	192	285	292	1.4	3500	4350	2980	2980	6470	7600	8000	8000
	12.30	110	132	198	569	0.48	4600	5250	4300	4300	6990	7910	8000	8000
	13.44	160	192	285	171	1.1	3810	4680	3280	3280	6470	7600	8000	8000
	14.35	160	192	285	453	0.94	3930	4810	3400	3400	6470	7600	8000	8000
	16.80	160	192	285	286	0.68	4230	5140	3690	3690	6470	7600	8000	8000
	18.82	160	192	285	197	0.56	4460	5390	3920	3920	6470	7600	8000	8000
	22.15	160	192	285	307	0.41	4800	5770	4250	4250	6470	7600	8000	8000
	25.07	180	215	320	68	0.89	4490	5610	3800	3800	6160	7430	8000	8000
	25.62	160	192	285	195	0.33	5130	6120	4570	4570	6470	7600	8000	8000
	26.76	180	215	320	67	0.79	4640	5770	3940	3940	6160	7430	8000	8000
	27.41	160	192	285	157	0.29	5280	6290	4720	4720	6470	7600	8000	8000
	31.33	180	215	320	54	0.57	5010	6180	4310	4310	6160	7430	8000	8000
	31.62	160	192	285	221	0.23	5620	6660	5050	5050	6470	7600	8000	8000
	35.09	180	215	320	125	0.47	5290	6490	4580	4580	6160	7430	8000	8000
	41.30	180	215	320	77	0.34	5720	6950	4990	4990	6160	7430	8000	8000
	47.78	180	215	320	48	0.28	6110	7380	5380	5380	6160	7430	8000	8000
	51.12	180	215	320	102	0.25	6300	7580	5570	5570	6160	7430	8000	8000
	58.98	180	215	320	66	0.20	6500	7580	5980	5980	6160	7430	8000	8000
	68.93	180	215	320	41	0.16	6500	7580	6450	6450	6160	7430	8000	8000
	74.98	180	215	320	32	0.14	6500	7580	6710	6710	6160	7430	8000	8000

AQ.	i	n_{epk} [1/min]	η [%]	c_{TG} W [Nm/']	WF [Nm/']	WA [Nm/']	WAF [Nm/']
W47 2	3.27	4500	95	-	-	-	-
	3.89	4500	95	-	-	-	-
	4.40	4500	95	-	-	-	-
	5.23	4500	95	-	-	-	-
	5.58	4500	95	-	-	-	-
	6.53	4500	94	-	-	-	-
	7.32	4500	94	-	-	-	-
	8.61	4500	94	-	-	-	-
	9.96	4500	94	-	-	-	-
	10.66	4500	94	-	-	-	-
	11.32	4500	88	-	-	-	-
	12.30	4500	93	-	-	-	-
	13.44	4500	88	-	-	-	-
	14.35	4500	87	-	-	-	-
	16.80	4500	87	-	-	-	-
	18.82	4500	86	-	-	-	-
	22.15	4500	86	-	-	-	-
	25.07	4500	79	-	-	-	-
	25.62	4500	85	-	-	-	-
	26.76	4500	79	-	-	-	-
	27.41	4500	85	-	-	-	-
	31.33	4500	78	-	-	-	-
	31.62	4500	84	-	-	-	-
	35.09	4500	77	-	-	-	-
	41.30	4500	76	-	-	-	-
	47.78	4500	75	-	-	-	-
	51.12	4500	74	-	-	-	-
	58.98	4500	73	-	-	-	-
	68.93	4500	72	-	-	-	-
	74.98	4500	71	-	-	-	-

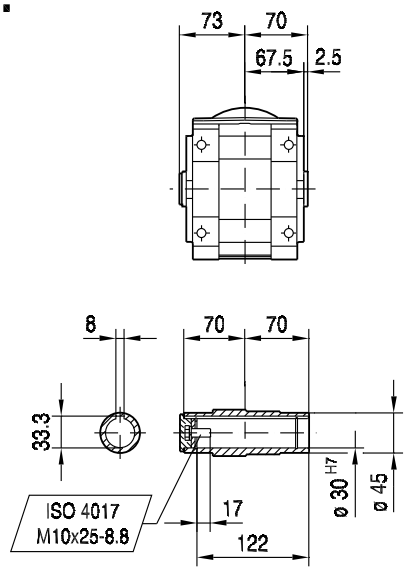
12.2.4 W47 AQ.. [mm]

20 081 00 08

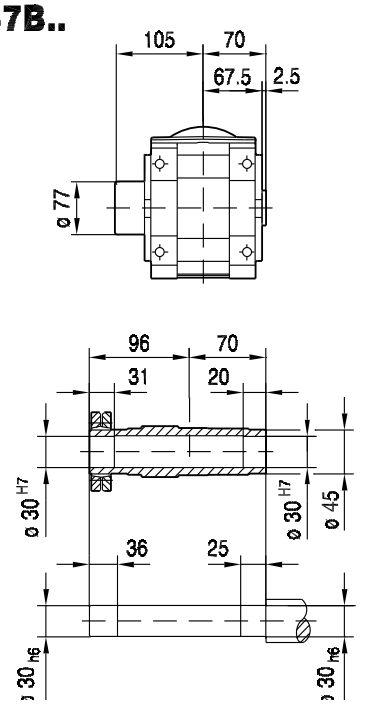
W47..



WA47B..



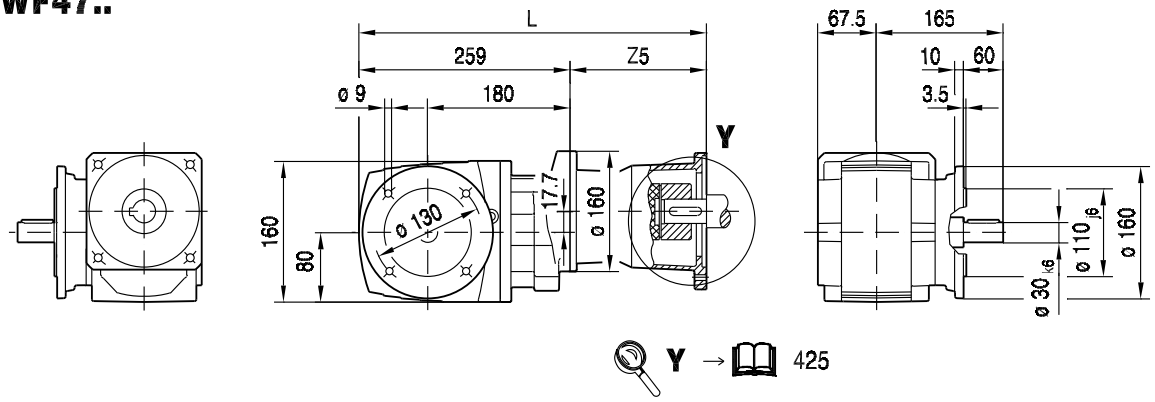
WH47B..

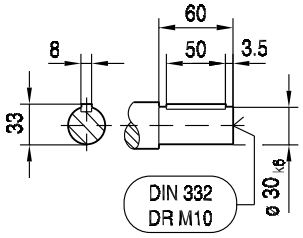


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	358	383	397	406	435	448	448	498	522
Z5	98	123	137	146	175	188	188	237.5	261.5

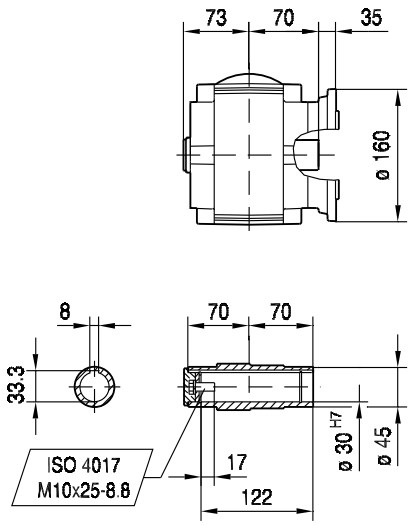
20 082 00 08

WF47..

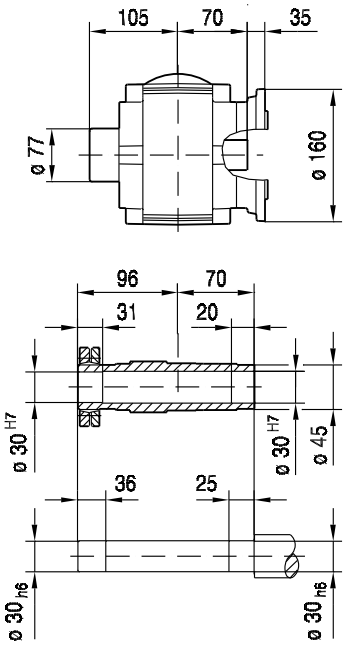




WAF47..



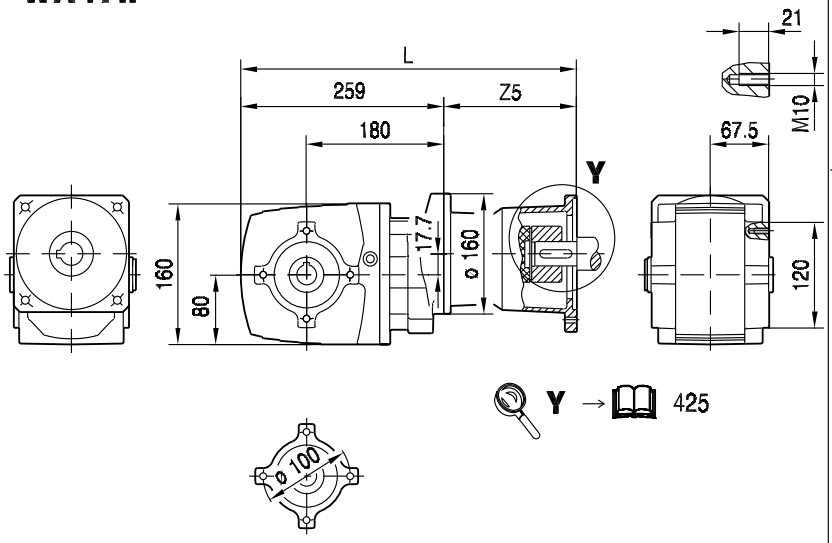
WHF47..

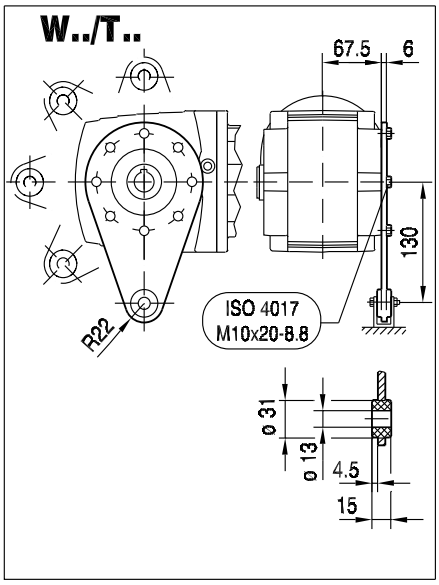


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	357	382	396	405	434	447	447	497	521
Z5	98	123	137	146	175	188	188	237.5	261.5

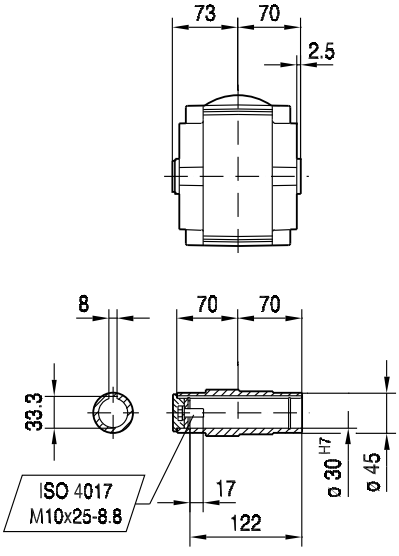
20 083 00 08

WA47..

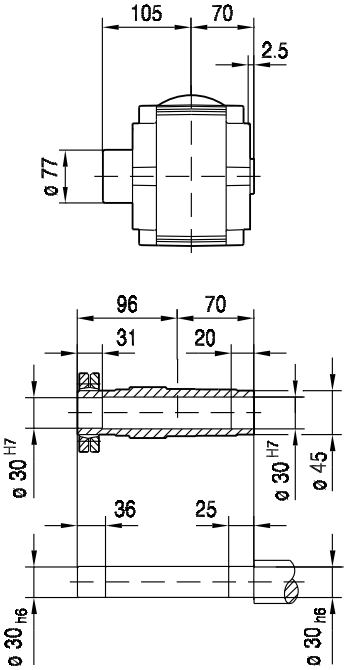




WA47..



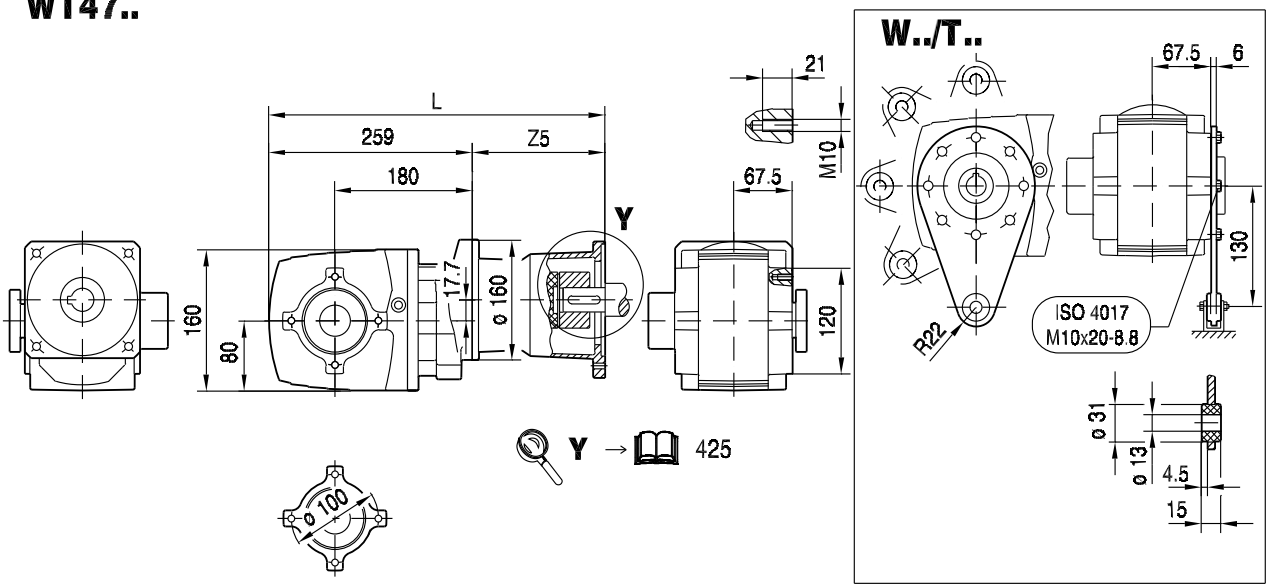
WH47..

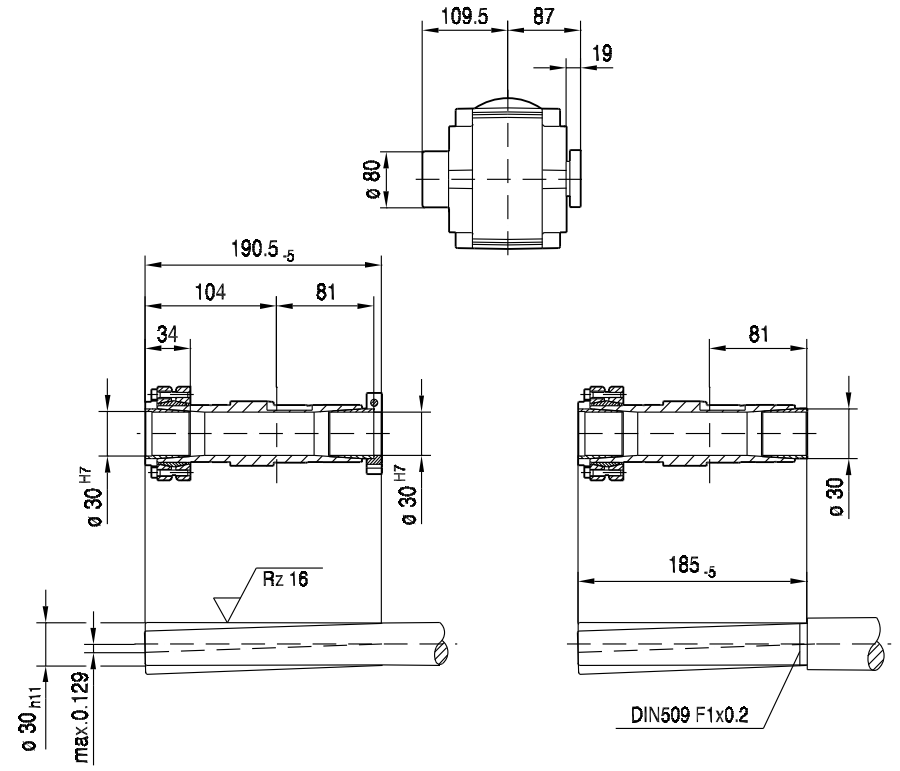


(→ 144)	AQ80/1-3	AQ100/1-2	AQ100/3-4	AQ115/1-3	AQ140/1-2	AQ140/3-4	AQ160/1	AQ190/1-2	AQ190/3
L	357	382	396	405	434	447	447	497	521
Z5	98	123	137	146	175	188	188	237.5	261.5

20 084 00 08

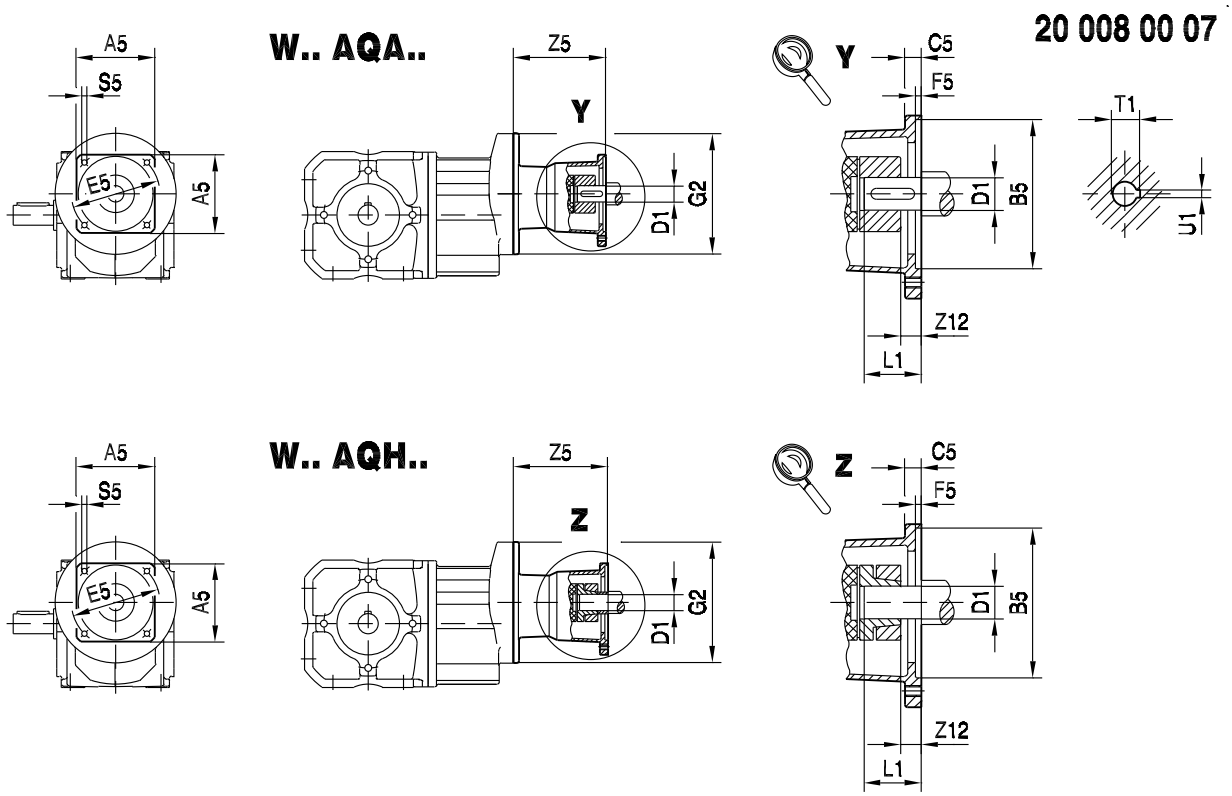
WT47..





(→ 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	357	382	396	405	434	447	447	497	521
Z5	98	123	137	146	175	188	188	237.5	261.5

12.3 W.. AQ.. [mm]



	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