

		Carl Zeiss Jena Lenses																			© Heinz Schrauf, Solingen/Germany			
		20 - 40 mm focussing distance					50 - 58 mm f.d.			75 - 85 mm f.d.				100 - 500 mm f.d.										
		4 lenses	5 lenses	6 lenses	7-10 lenses	8 lenses	4 lenses	6 lenses	7 lenses	4 lenses	5 lenses	6 lenses	7 lenses	6 lenses	5 lenses	5 lenses	3 lenses	4 lenses	5 lenses	6 lenses	5-6 lenses	2 lenses		
1945																								1945
1946							2,8 / 50																	1946
1947	Tessar		Biometar	Biogon			Tessar new	Sonnar	Sonnar															1947
1948	4,5 / 40		2,8 / 35 only for Contax until III a	2,8 / 35 only for Jena - Contax II				2,0 / 50 only for Contax until III a	1,5 / 5 only for Contax until III a															1948
1949																								1949
1950		Topogon					Tessar																	1950
1951		4 / 25 only for Contax until III a					3,5 / 50																	1951
1952							↓			Tessar														1952
1953							both			2,8 / 80														1953
1954																								1954
1955																								1955
1956		small series until app. 1960						Biotar																1956
1957								2 / 58																1957
1958																								1958
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1967																								1967
1968	electric																							1968
1969	Line																							1969
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1972																								1972
1973																								1973
1974																								1974
1975																								1975
1976																								1976
1977																								1977
1978	Prakticar																							1978
1979	Line																							1979
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from app.	1945 = Serial No. >2,8 Mio., 1950 >3,2 Mio., 1957 >4,6 Mio., 1959 >5,6 Mio.							1960 = end of bright Alu-Finish but now black anodized							1948 = Start M42 screw mount.							© 6 / 97 Schrauf		
	1947 = Tessar new calculated / optimized							1969 = some lenses also as "electric"-lenses							1973 = Just only M42, exception:									
	1954 = automatic diaphragm only for Exakta							1976 = starting Multi-Coating (MC)							few with Exakta bayonet until 1979									
	1955 = internal release diaphragm for Praktica FX 2, Contax F							1979 = also as "Prakticar" for Praktica B (Bayonet), some only as "Prakticar"							1979 = also bayonet mount.									

Carl Zeiss Jena Lenses				Meyer Görlitz Lenses											© Heinz Schrauf, Solingen/Germany				
other				28 - 40 mm f.d.			50 - 58 mm f.d.			75 - 90 mm f.d.		100 - 500 mm f.d.							
2 mirrors +4 lenses		9 lenses	12 lenses	5 lenses	4 lenses	7 lenses	3 lenses	4 lenses	5 to 6 lenses	5 lenses	4 lenses	3 lenses	5 lenses		4 lenses		4/5 lenses	4 lenses	
1945																			1945
1946																			1946
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from	see page 1			1948 = M 42 screw, Serial No. >1 Mio., 1952 >1.4 Mio., 1957 >2 Mio., 1961 >3 Mio.											1985 = Integration into VEB Carl Zeiss Jena (some lenses named Carl Zeiss Jena P)				©
app.				1971 = Pentacon, no more Meyer (without Domiplan)											1990 = once again Meyer, Made in Germany (after Re-Union, 1992 than liquidated)				6 / 97
				1973 = just only M 42															Schrauf
				1979 = also as "Pentacon-Prakticar" for Praktika B (Bayonet), some only as "Pentacon-Prakticar"															

Ludwig, Weixdorf Lenses		Feinmess Dresden		How to use the Time Table	
3 lenses		diverse		3 lenses	
1945				from:	
1946				1948	Starting production of lenses with M42 screw mount
1947	Victar	very rare as M42 - Prakticar		1969	— = electric-Line: Some lenses were produced with electric diaphragm control into the camera body
1948	2,9 / 50	for USA-Export		1971	- - - =Pentacon-Line: Integration Meyer Görlitz into the "VEB Kombinat Pentacon". All Meyer lenses (except of Domiplan) were named "Pentacon"
1949	Meritar 2,9 / 50			1973	Only production of M42 screw mount lenses, with the exception of few Carl Zeiss Jena lenses with Exakta bayonet until 1979.
1950				1979	— =Prakticar-Line: All lenses with bayonet mount were named additional with "Prakticar"
1951					Carl Zeiss Jena lenses only with "Prakticar" Meyer Görlitz lenses with "Pentacon Prakticar"
1952					Some of these lenses were produced in diverse shorter time segments but within related time column, see notice "end of P prod." in the column.
1953					Please note:
1954					If the "electric-" or "Pentacon-" or "Prakticar-" line goes <u>not</u> through the time column, this lens was not existing in the "electric-" or "Pentacon-" or "Prakticar-" version.
1955					If the line goes through the time column <u>or</u> if the lens is named with "el" <u>or</u> "P", this lens was existing as well as in this version.
1956					If the lens is <u>only</u> named with "Prakticar" than it was existing <u>only</u> as "Prakticar". The additional name "auto" always stands for an automatic pressure diaphragm.
1957				Bonotar 4,5 / 105	→ The arrow shows always the direction of the further development from the lens
1958					
1959				Some lenses were produced only for special cameras, these are registered. Other lenses were existing naturally <u>also</u> for these cameras (mostly for Exakta and Exa) <u>if</u> the time column is within the production time of these cameras.	
1960	from 1959 only for cameras with Exa-mount or fix mounted lenses			The types (respectively the design principle) of lenses were mainly defined in consequence of the camera design, so as by :	
1961				Pentina the : Meyer-Lydlith 3,5/30 + Zeiss-Tessar 2,8/50 + Zeiss-Cardinar 2,8/85 + Meyer-Domigor 4/135.	
1962				Werra the : Zeiss-Flektogon 2,8 / 35 + Zeiss-Tessar 2,8 / 50 + Cardinar 4 / 100.	
1963				Altix the : Meyer-Lydlith 3,5 / 30 + Meyer-Primagon 4,5 / 35 + Ludwig Meritar 2,9 / 50 or Zeiss-Tessar 2,8 / 50 or Meyer-Trioplan 2,9 / 50 + Telefogor 3,5 / 90	
1964				Exa the : lenses with max. 135 mm focal distance	
1965					
1966					
1967				Those grey areas symbolizes the <u>start of production 1945 step by step</u> and/or the partially takeover of pre-war existing design,	
1968				so as the <u>end of production from 1990.</u>	
1969					
1970				To get an exactly result of production time the best is to consider <u>different of attributes</u> (see notes "from app."), because overlappings are possible.	
1971					
1972				Zeiss lenses were delivered for export into west-countries mainly named "T" (=Tessar) or "S" (=Sonnar) or "Bm" (=Biomotar) because of rights to names.	
1973		x2		Meyer lenses were named from app. 1971 only for west-export with "Pentaflex-autocolor" or "Auto-Revuenon 1,8/50" (=either Oreston 1,8/50 or Pentacon auto 1,8/50) or "automatic-lens" or "Pentaflex color" or "Orestor 2,8/50" or "Autoflex 2,8/50" (=always Domiplan 2,8/50), and from 1985 (integration into the VEB Carl Zeiss Jena) "Carl Zeiss Jena P".	
1974		Converter			
1975		ter			
1976		named with VEB			
1977		Optisches Werk			
1978		Weixdorf,			
1979		VEB			
1980		Kamerafabrik			
1981		Freital,			
1982		or with Carl Zeiss Jena			
1983					
1984					
1985					
1986					
1987					
1988					
1989					
1990					
1991					
1992					
from app.	1959 only for cameras with Exa-mount or fix mounted lenses		1957 only with pre-select diaphragm		

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How to use the Time Table

from:
1948 Starting production of lenses with M42 screw mount
1969 — = electric-Line: Some lenses were produced with electric diaphragm control into the camera body
1971 - - - =Pentacon-Line: Integration Meyer Görlitz into the "VEB Kombinat Pentacon". All Meyer lenses (except of Domiplan) were named "Pentacon"
1973 Only production of M42 screw mount lenses, with the exception of few Carl Zeiss Jena lenses with Exakta bayonet until 1979.
1979 — =Prakticar-Line: All lenses with bayonet mount were named additional with "Prakticar"
 Carl Zeiss Jena lenses only with "Prakticar" Meyer Görlitz lenses with "Pentacon Prakticar"
 Some of these lenses were produced in diverse shorter time segments but within related time column, see notice "end of P prod." in the column.

Please note:
 If the "electric-" or "Pentacon-" or "Prakticar-" line goes not through the time column, this lens was not existing in the "electric-" or "Pentacon-" or "Prakticar-" version.
 If the line goes through the time column or if the lens is named with "el" or "P", this lens was existing as well as in this version.
 If the lens is only named with "Prakticar" than it was existing only as "Prakticar". The additional name "auto" always stands for an automatic pressure diaphragm.
 → The arrow shows always the direction of the further development from the lens

Some lenses were produced only for special cameras, these are registered. Other lenses were existing naturally also for these cameras (mostly for Exakta and Exa) if the time column is within the production time of these cameras.
 The types (respectively the design principle) of lenses were mainly defined in consequence of the camera design, so as by :
Pentina the : Meyer-Lydlith 3,5/30 + Zeiss-Tessar 2,8/50 + Zeiss-Cardinar 2,8/85 + Meyer-Domigor 4/135.
Werra the : Zeiss-Flektogon 2,8 / 35 + Zeiss-Tessar 2,8 / 50 + Cardinar 4 / 100.
Altix the : Meyer-Lydlith 3,5 / 30 + Meyer-Primagon 4,5 / 35 + Ludwig Meritar 2,9 / 50 or Zeiss-Tessar 2,8 / 50 or Meyer-Trioplan 2,9 / 50 + Telefogor 3,5 / 90
Exa the : lenses with max. 135 mm focal distance

Those grey areas symbolizes the start of production 1945 step by step and/or the partially takeover of pre-war existing design, so as the end of production from 1990.

To get an exactly result of production time the best is to consider different of attributes (see notes "from app."), because overlappings are possible.

Zeiss lenses were delivered for export into west-countries mainly named "T" (=Tessar) or "S" (=Sonnar) or "Bm" (=Biomotar) because of rights to names.
Meyer lenses were named from app. 1971 only for west-export with "Pentaflex-autocolor" or "Auto-Revuenon 1,8/50" (=either Oreston 1,8/50 or Pentacon auto 1,8/50) or "automatic-lens" or "Pentaflex color" or "Orestor 2,8/50" or "Autoflex 2,8/50" (=always Domiplan 2,8/50), and from 1985 (integration into the VEB Carl Zeiss Jena) "Carl Zeiss Jena P".

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