LensRange.Dat

Beschreibung

The LensRange.Dat file contains the description of the production and delivery ranges of base lenses. The production and delivery ranges are described for each base lens and diameter.

As many delivery ranges as required can be specified for a base lens with a given diameter. If several power sets are defined for a diameter, the lens can be delivered if the conditions of at least one set are met (no matter whether a diameter has been specified or not).

Table structure

No.	Field name	Pos	Length	Format	Comments
1*	Man. code base lens	1	6	T6	
2*	Diameter	7	4	9999	7080 or two digits followed by two blanks
3*	Elliptic	11	1	T1	blank=round “E”=elliptic
4*	Strongest principal meridian from	12	5	+9999	+99.99
5*	Strongest principal meridian to	17	5	+9999	+99.99
6*	Cylinder from	22	4	9999	99.99
7*	Cylinder to	26	4	9999	99.99 Please mind the “pricedefinition-cylinder” specification in the Head.Dat file. If minus cylinder is specified, it is assumed that the value in this field is automatically negative. No sign is indicated. The same applies to field 6, Cylinder from)
8*	Cylinder power for “Strongest principal meridian from”	30	3	999	0 bis 100% See “Various definitions”. Page 59

No.	Field name	Pos	Length	Format	Comments
9*	Cylinder power for “Strongest principal meridian to”	33	3	999	0 bis 100% See “Various definitions”. Page 59
10*	Prism to	36	4	9999	99.99 cm/m
11*	From Add	40	4	9999	99.99 D
12*	To Add	44	4	9999	99.99 D
13	Add step	48	1	9	1=1.00 D 2=0.50 D 4=0.25 D 8=0.125 D 9=0.01 D
14*	Man. code coating 1	49	6	T6	Code from Options.Dat
15*	Man. code coating 2	55	6	T6	Code from Options.Dat
16*	Man. code coating 3	61	6	T6	Code from Options.Dat
17*	Man. code coating 4	67	6	T6	Code from Options.Dat
18*	Man. code coating 5	73	6	T6	Code from Options.Dat
19	Price of “Man. code coatings 1-5” contained in the lens price	79	1	B	Does not apply to coatings resulting from the specification of wildcards “******”. See 8.3.5, Coating range (Man. code coatings 1-5) page 25
20	Deliverable from	80	8	D	Empty = only limited by “deliverable until”
21	Deliverable until	88	8	D	Empty = no expiry date
22	Stock lens	96	1	B	
23	Estimated delivery time	97	3	999	Number of working days until delivery Value 000 means no information on delivery time
24	Not completed	100	1		
25	Discountable	101	1	B	
26	RDT discount	102	1	B	1=RDT discount is granted for electronically placed orders
27	Online order possible	103	1	B	
28	Delivery range index of lens	104	3	999	Index for lens pricing
29	Smallest diameter in this power range	107	4	9999	7080 or two digits followed by two blanks. Can remain empty if field 30 has value 0.
30	Graduation down to smallest diameter in mm	111	2	99	0 = smaller diameters not possible >1 = graduation in mm For a description, see the notes.
31	Sph step	113	1	9	1=1.00 dpt 2=0.50 D 4=0.25 D 8=0.125 D 9=0.01 D
32	Cyl step	114	1	9	1=1.00 dpt 2=0.50 D 4=0.25 D 8=0.125 D 9=0.01 D

No.	Field name	Pos	Length	Format	Comments
33	Variable decentration. Smallest decentration	115	2	99	0 = No variable decentration Value = Smallest optical diameter. See remarks

Notes

In LensRange.Dat, not the extras already contained in the base lens are defined, but only the deviating prices and/or delivery conditions for the base lens product / power range / extras combinations.

Elliptic:

If a lens is available in elliptic and round shape in the same power range, the power range must be defined twice.

Power range overlaps:

Power ranges can overlap. If the power range of two entries overlaps, priority is given to the entry (incl. its definitions such as delivery time) for which a coating with “man. code coating 1-5” was defined and/or features a delivery index >000.

Principal meridians

For the definition, please see 21.2, Cylinder power, page 59

Delivery range index of lens

This value is used to determine a price that deviates from the standard price of a lens because of a special power range or a certain combination of lens and coating. The price in LensPrice.Dat is determined by means of the combination from lens IT code and delivery range index.

Coating range (Man. code coatings 1-5):

The power range applies to the lens including the coatings specified in Man. code coatings 1-6. Wildcards are permitted or even required. Blanks are defined as “no coating”. The field “Price of man. code coatings 1-5 contained in the lens price” indicates whether the coating specified in the “man code coatings 1-5” is contained in the lens price. This only applies for directly defined coatings. Coatings resulting from wildcards are not contained in the price.

Examples:

If the power range is deliverable with all coatings, the fields “Man. code coatings 1-5” are filled with **''. If the power range applies for only one coating and no further coating is permitted, “Man.**

code coating 1" is assigned with the IT code of the coating. The fields "Man. code coatings 2-5" are filled with blanks. If the power range applies for a certain coating in combination with all further coatings (as far as permissible in Combination.Dat), "Man. code coating 1" is assigned with the IT code of the coating. The fields "Man. code coatings 2-6" are filled with ''.

(Man. code coatings 1-5) and Combination.dat

If a coating is completely excluded for a lens in the Combination.dat file, this coating is deliverable nonetheless if it is specified in LensRangeDat in the "Man. code coatings 1-5" field.

Field 29/30: smaller diameters in the power range

Field 29, "Smallest diameters in this power range", is required to enable further smaller diameters in the same delivery range to be specified in addition to the determined (principal) diameter (for example, diameter 65 also contains diameters 61 to 64 in the same delivery range). This information is important to enable the software to allocate these interim diameters to a delivery range.

Example:

Field 2 = 60 / Field 29 = 56 / Field 30 = 1. This means that diameters 56,57,58,59 and 60 belong to the same power range.

Field 33: Variable Decentration

Value 0: The field is not considered.
Value >0: Smallest optical diameter.

Example:

Diameter from field 2 = 70/75.
Variable decentration = 71.
Available diameters: 70/71, 70/72, 70/73, 70/74, 70/75

Fields 13,31,32: Add-Steps, Sph-Steps, Cyl-Steps – Finer step contains broader step

The finer step always contains the values of the broader step.

Remark: If the steps are strictly followed, then the step 8 (0.125D) contains values which cannot appear in step 9 (0.01D), e.g. the value 0.125D. However, this does not comply with the standard supply practice of the lens suppliers.

Examples relating to the LensRange.Dat file

Question:
n some countries, the prices are different for the price groups in the plus and minus ranges. However, the LensPrice.Dat file only permits price groups to be specified regardless of minus or plus ranges.

Answer:
Two power ranges are specified in the LensRange.Dat file, one in the plus range, the other in the minus range. Price index=0 is allocated to the plus range, and price index=1 to the minus range. Different prices for the same price group can now be specified in the LensPrice:Dat file.