

LensType.Dat

Description

The LensType.Dat file contains all deliverable base lenses.

Table structure

N.	Fieldname	Pos	Length	Format	Comments
1*	Man. code base lens	1	6	T6	
2	Designation	7	40	T40	The designation must be clear and must not be used for several IT codes.
3	Deliverable from	47	8	D	Empty = only limited by "deliverable up until"
4	Deliverable up until	55	8	D	Empty = no expiry date
5	Single vision / multifocals	63	1	9	0=single vision 1=bifocals 2=trifocals 3=progressive lenses 4=Workstation / office lens
6	Balancing lens	64	1	9	0 = No balancing lens available for this lens. 1 = A balancing lens is available for this lens.
7	Balancing lens, lens terms	65	3	999	Balancing lens costs approx. xxx % of the original price
8	Balancing lens, coating terms	68	3	999	Coating of balancing lens costs approx. xxx % of the original price
9	Standard/ brand	71	1	9	0=standard 1=brand 2=Eco
10	Material	72	1	9	1=glass 2=plastic 3=polycarbonate 4=Trivex©
11	Refractive index	73	5	99999	9.9999

N.	Fieldname	Pos	Length	Format	Comments
12	Density (specific gravity)	78	3	999	9.99 g/cm ³
13	Abbe no.	81	4	9999	99.99
14	Aspheric lens	85	1	9	0=spherical 1=aspheric 2=biaspherical 3=freeform
15	Lenticular lens	86	1	B	
16	ET contained	87	1	9	0=no ET 2=single ET 5=multiple ET 8=Super ET 9=back surface ET
17	Colors contained	88	1	9	0=no color 1=filter<15% absorption 2=colored
18	Photochromic	89	1	B	
19	Hard coating incl.	90	1	B	
20	Clean coating incl.	91	1	9	0=no 1=normal Clean 2=Super Clean
21	UV coating	92	1	B	
22	Coating incl.	93	1	B	
23	MDM incl.	94	1	B	
24	non-standard diameters incl.	95	1	9	0=no 1=yes 2=smaller or central diameters in the plus range at no extra charge
25	Non-standard thickness incl.	96	1	B	
26	Insurance incl.	97	1	B	
27	Prism incl.	98	1	B	1 means that there is no extra charge for the prism in the complete, deliverable power range
28	Filter category	99	1	9	0 to 4 acc. to DIN EN ISO 8930-3
29	Restrictions in traffic	100	1	9	See Traffic suitability
30	UV edge	101	3	999	999nm
31	UV-A transmission	104	4	9999	99,99%
32	UV-B transmission	108	4	9999	99,99%
33	Extended warranty	112	1	B	
34	Single lens order	113	1	9	0=not possible 1=possible 2=with fictive opposite lens
35	Traveller service	114	1	B	
36	Sorting	115	3	999	ascending number sorting acc. to manufacturer's instructions
37	Brief designation	118	15	T15	Brief designation of the lens
38	N.A.	133	2	99	Field was removed
39	N.A.	135	2	99	Field was removed

N.	Fieldname	Pos	Length	Format	Comments
40	Exposed filter category	137	1	9	0 to 4 acc. to DIN EN ISO 8930-3 Value for exposed status of photochromic lenses
41	Office lens Addition/Power decrease	138	1	9	0=no specification required 1=specify distance + addition 2=specify near + power decrease
42	Polarising	139	1	B	
43	Contrast-enhancing	140	1	B	
44	Principal meridian check incl. Add.	141	1	B	1= to check the principal meridian, the near value (Sph. + Add.) if a lens is used. (See remarks) This field is also used for price determination (See remarks)
45	Optimised wavefront incl.	142	1	B	

Notes

Important:

The allocation of the numbers to the colors has changed.

This is now valid:

- 1=glass
- 2=plastic
- 3=polycarbonate
- 4=Trivex©

SF4 had the following definition which is no longer valid:

- 0=glass
- 1=plastic
- 2=composite
- 3=polycarbonate

The new allocation was made to ensure that the numbers for the material are identical for the lenses and the coatings. (Note: Material as such no longer exists in the Options.Dat file. However, the allocation of numbers has remained in the new version)

Hard coating incl.", "Clean coating incl."

The fields "Hard coating incl.", "Clean coating incl.", etc. are assigned with value 1 if these extras are supplied automatically, i.e. if no IT code for the option/coating is transferred with the electronic order.

Principal Meridian check incl. Add.

If this field has the value "True", the near value of the lens (SPH + ADD) has to be used for checking

the power range.

Example:

```
Delivery range PM -4.00 bis +4.00
Sph -4.75 Add. 0,50 --> K0 (-4,25)
Sph -4.50 Add. 0,50 --> OK (-4,00)
Sph -4.25 Add. 0,50 --> OK (-3,75)
Sph -4.75 Add. 0,75 --> OK (-4,00)
Sph -4.50 Add. 0,75 --> OK (-3,75)
Sph -4.25 Add. 0,75 --> OK (-3,50)
Sph +3.25 Add. 0,50 --> OK (+3,75)
Sph +3.50 Add. 0,50 --> OK (+4,00)
Sph +3.75 Add. 0,50 --> K0 (+4,25)
Sph +3.25 Add. 0,75 --> OK (+4,00)
Sph +3.50 Add. 0,75 --> K0 (+4,25)
Sph +3.75 Add. 0,75 --> K0 (+4,50)
```

Price determination for Principal Meridian check incl. Add.

If the field has the value „true“, then the near value (sph+add) is used for pricing.

Example:

```
The following price groups exist: 2, 4, 6
Sph: +3,75 Add: 0,5 → The lens is in price group 6, da +3,75 + 0,5 = 4,25
(Near value)
Sph: -2,25 Add: 0,5 → The lens is in price group 2, da -2,25 + 0,5 = -1,75
(Near value)
```

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