Leica HCS Objectives, Version 5.3

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms						Objective thread	Free working distance (mm)	Article No
					ICT								
						Invers (IRB HC)							
					Upright [S 1 - cond./ or 11)]	S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.	ICR			
HCX PL FLUOTAR	1.25/0.04	0	17)	-	-	-	-	-	-	-	M25	3.7	11506215
HCX PL FLUOTAR	1.25/0.04	0	17)	0	-	-	-	-	-	-	M25	2.0	11566045
PL FLUOTAR	1,6x/0.05	0	0	-	-	-	-	-	-	-	M25	3.4	11506053
PL FLUOTAR	1,6x/0.05	0	0	-	-	-	-	-	-	-	M25	3.4	11506234
HCX PL FLUOTAR	1,6x/0.05	0	1)	-	-	-	-	-	-	-	M25	1.54	11566059
PL FLUOTAR	1,6x/0.05	0	1)	-	-	-	-	-	-	-	M25	1.54	11566010
N PLAN	2,5x/0.07	0	0	-	-	-	-	-	-	-	M25	11.2	11506083
N PLAN	2,5x/0.07	0	P	-	-	-	-	-	-	-	M25	11.2	11556036
PL FLUOTAR	2,5x/0.07	0	0	-	-	-	-	-	-	-	RMS	9.2	11567010
C PLAN	4x/0.10	0	0	-	-	-	-	-	-	-	M25	26.2	11506074
HI PLAN	4x/0.10	0	0	-	-	-	-	-	-	-	M25	18.0	11506226
HI PLAN	4x/0.10	0	SL	-	-	-	-	-	-	-	M25	18.0	11506227
HI PLAN	4x/0.10	0	POL	-	-	-	-	-	-	-	M25	18.0	11556060
PLAN UVI	5x/0.12	0	12)	-	-	-	-	-	-	-	M25	11.7	11518146
N PLAN	5x/0.12	0	0	-	K1a+A 6) or K1b+A 17)	-	K11	K3	A	A	M25	14.0	11506087
N PLAN	5x/0.12	0	PH0/	-	K1a+A 6) or K1b+A 17)	-	K11	K3	A	-	M25	14.0	11506090
N PLAN	5x/0.12	0	P	-	K1a+A 6) or K1b+A 17)	-	K11	K3	A	A	M25	14.0	11556039
N PLAN	5x/0.12	0	BD	-	K1b	-	-	-	-	A	M32	13.2	11566016
HC PL FLUOTAR	5x/0.15	0	13)	-	K1a+D1 6) or K1b+D1 17)	-	K11	K3	D1	D1(D)	M25	12.0	11506504
HCX PL FLUOTAR	5x/0.15	0	13)	-	K1b+C1 17)	-	K11	K3+C1 K2+C	C1	C, C1, C2	M25	12.0	11506224
HC PL FLUOTAR	5x/0.15	0	P	-	K1a+D1 6) or K1b+D1 17)	-	K11	K3	D1	D1(D)	M25	12.0	11556502
HCX PL FLUOTAR	5x/0.15	0	P	-	K1a+D1 6) or K1b+D1 17)	-	K11	K3	D1	D1(D)	M25	12.0	11556058
HCX PL FLUOTAR	5x/0.15	0	BD	-	-	-	-	-	-	C, C1, C2	M32	12.2	11566046
C PLAN	10x/0.22	0	0	-	-	-	-	-	-	-	M25	7.8	11506075
C PLAN	10x/0.22	0	PH1/ 13)	-	-	-	-	-	-	-	M25	7.8	11506078
C PLAN	10x/0.22	0	LMC	-	-	-	-	-	-	-	M25	7.8	11506138
HI PLAN I	10x/0.22	0	0	-	-	-	-	-	-	-	M25	7.8	11506263
HI PLAN I	10x/0.22	0	PH1/ 13)	-	-	-	-	-	-	-	M25	7.8	11506271
HI PLAN	10x/0.25	0	0	-	-	-	-	-	-	-	M25	12.0	11506228
HI PLAN	10x/0.25	0	SL	-	-	-	-	-	-	-	M25	12.0	11506229
HI PLAN	10x/0.25	0	PH1	-	-	-	-	-	-	-	M25	12.0	11506230
HI PLAN	10x/0.25	0	POL	-	-	-	-	-	-	-	M25	12.0	11556061
HI PLAN CY	10x/0.25	0	0	-	-	-	-	-	-	-	M25	11.0	11506244
HI PLAN CY	10x/0.25	0	SL	-	-	-	-	-	-	-	M25	11.0	11506245
HI PLAN CY	10x/0.25	0	PH1	-	-	-	-	-	-	-	M25	11.0	11506246
N PLAN	10x/0.25	0	3)	-	K2+A	K11	K3	K6	A	A 5)	M25	5.8	11506084
N PLAN	10x/0.25	0	0	0	K2+B1	K11+ B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M25	17.6	11506259
N PLAN	10x/0.25	0	PH1/ 3)	-	K2+A	K11	K3	K6	A	-	M25	5.8	11506088
N PLAN	10x/0.25	0	PH1/ 3)	-	K2+A	K11	K3	K6	A	-	M25	5.8	11506260
N PLAN	10x/0.25	0	P	-	K2+B1	K11+B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M25	17.6	11556070
N PLAN EPI	10x/0.25	0	5)	-	K2+B1	K11+B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M25	17.6	11566068
N PLAN EPI	10x/0.25	0	BD	-	K2+B1	K11+B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M32	16.2	11566061
HC PL FLUOTAR	10x/0.30	0	0	-	K2+D1	K11	K3(K11)	K6(K3)	D1(D)	D1/D	M25	11.0	11506505
HC PL FLUOTAR	10x/0.30	0	PH1/	-	K2+D1	K11	K3(K11)	K6(K3)	D1(D)	-	M25	11.0	11506507

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					ICT							
					Upright [S 1 - cond./ or 11)]	Invers (IRB HC)						
						S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.	ICR		
HC PL FLUOTAR	10x/0.30	0	P	-	K2+D1	K11	K3(K11)	K6(K3)	D1(D)	D1/D	M25	11.0	11556503
HC PL FLUOTAR	10x/0.30	0	BD	-	K2+D1	-	-	-	-	D1/D	M32	11.0	11566503
HCX APO L U-V-I 12)	10x/0.30	W	2)	-	K2+D1	-	-	-	-	-	M25	3.6	11506142
HC PL APO	10x/0.40	0	/	0.17	K2+A	K11	K3	K6	A	-	M25	2.2	11506284
HC PL APO CS	10x/0.40	0	/ 14)	0.17	K2+A	K11	K3	K6	A	-	M25	2.2	11506285
HC PLAN APO	10x/0.40	0	/	0.17	K2+A	K11	K3	K6	A	-	M25	2.2	11506165
HC PLAN APO	10x/0.40	0	PH1/	0.17	K2+A	K11	K3	K6	A	-	M25	2.2	11506169
HC PL APO CS	10x/0.40	IMM	14)	-	K2+A	K11	K3	K6	A	-	M25	0.36	11506293
HI PLAN	20x/0.40	0	/	0.17	-	-	-	-	-	-	M25	2.3	11506235
HI PLAN	20x/0.40	0	/	0.17	-	-	-	-	-	-	M25	0.9	11506276
HI PLAN	20x/0.40	0	PH1/	0.17	-	-	-	-	-	-	M25	2.3	11506239
C PLAN L	20x/0.30	0	13)	0-2	-	-	-	-	-	-	M25	3.7-2.4	11506151
C PLAN L	20x/0.30	0	PH1/ 13)	0-2	-	-	-	-	-	-	M25	3.7-2.4	11506152
C PLAN L	20x/0.30	0	LMC	0-2	-	-	-	-	-	-	M25	3.7-2.4	11506154
HI PLAN I	20x/0.30	0	13)	0-2	-	-	-	-	-	-	M25	3.7-2.4	11506264
HI PLAN I	20x/0.30	0	PH1/ 13)	0-2	-	-	-	-	-	-	M25	3.7-2.4	11506272
N PLAN	20x/0.40	0	/ 13)	0.17	K2+D	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	0.39	11506096
N PLAN	20x/0.40	0	PH1/ 13)	0.17	K2+D	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	0.39	11506098
N PLAN	20x/0.40	0	0	O	K2+D	-	-	-	-	D1/D 5)	M25	1.1	11566026
N PLAN	20x/0.40	0	P	O	K2+D	-	-	-	-	D1/D	M25	1.1	11556043
N PLAN	20x/0.40	0	BD	O	-	-	-	-	-	D1/D 5)	M32	1.1	11566029
N PLAN L	20x/0.35	0	/	0-2	K2+C (K3+C1)	K11+C (K3+C1)	K3+C (K6+C1)	K6+C (K8+C1)	C(C1)	0	M25	6.9	11506247
N PLAN L	20x/0.35	0	PH1	0-2	K2+C (K3+C1)	K11+C (K3+C1)	K3+C (K6+C1)	K6+C (K8+C1)	C(C1)	0	M25	6.9	11506248
N PLAN L	20x/0.40	CORR	LMC	0-2	-	-	-	-	-	-	M25	3.2-1.9	11506204
N PLAN L	20x/0.40	0	0	0	-	-	-	-	-	C	M25	10.8	11566035
N PLAN L	20x/0.40	0	0	0	-	-	-	-	-	C	M25	10.8	11566049
N PLAN L	20x/0.40	0	BD	0	-	-	-	-	-	C	M32	10.8	11566051
N PLAN H	20x/0.40	0	0	1.8 Q	0	-	-	-	-	0	M25	10.6	11566039
HC PL FLUOTAR	20x/0.50	0	/	0.17	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11506503
HC PL FLUOTAR	20x/0.50	0	PH2/	0.17	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11506506
HC PL FLUOTAR	20x/0.50	0	P	0	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11556068
HC PL FLUOTAR	20x/0.50	0	P	0.17	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11556501
HC PL FLUOTAR	20x/0.50	0	0	O	K2+D (K3+D1)	-	-	-	-	D1/D	M25	1.27	11566500
HC PL FLUOTAR	20x/0.50	0	BD	O	K2+D (K3+D1)	-	-	-	-	D1/D	M32	1.27	11566507
HCX PL FLUOTAR L	20x/0.40	CORR	/	0-2	K2+C (K3+C1)	K11+C (K3+C1)	K3+C (K6+C1)	K6+C (K8+C1)	C(C1)	0	M25	6.9	11506242
HCX PL FLUOTAR L	20x/0.40	CORR	PH1 /	0-2	K2+C (K3+C1)	K11+C (K3+C1)	K3+C (K6+C1)	K6+C (K8+C1)	C(C1)	0	M25	6.9	11506243
PL FLUOTAR L	20x/0.40	0	BD	O	-	-	-	-	-	C	M32	10.7	11766001
HCX APO L U-V-I 12)	20x/0.50	W	2)	-	K3+D1	-	-	-	-	-	M25	3.5	11506147
HC PL APO CS	20x/0.70	0	/ 14)	0.17	K2+C	K11	K3	K6	C	-	M25	0.59	11506513
HC PLAN APO	20x/0.70	0	/	0.17	K2+C	K11	K3	K6	C	-	M25	0.59	11506166
HC PLAN APO	20x/0.70	0	PH2/	0.17	K2+C	K11	K3	K6	C	-	M25	0.59	11506170
HC PL APO	20x/0.70	IMM/CORR 7)	/ 14) Lbd. Bl 15)	-	K2+C	K11	K3	K6	C	-	M25	0.26 with W and 0.17	11506191
HC PL APO CS	20x/0.70	IMM/CORR 7)	14)	-	K2+C	K11	K3	K6	C	-	M25	0.26 with W and 0.17	11506178
HI PLAN	40x/0.65	0	0	0.17	-	-	-	-	-	-	M25	0.36	11506236
HI PLAN	40x/0.65	0	PH2/	0.17	-	-	-	-	-	-	M25	0.36	11506240
HI PLAN	40x/0.65	0	POL	0.17	-	-	-	-	-	-	M25	0.36	11556065
C PLAN L	40x/0.50	0	0	1.1	-	-	-	-	-	-	M25	2.0	11506265
C PLAN L	40x/0.50	0	PH2/	1.1	-	-	-	-	-	-	M25	2.0	11506150
C PLAN L	40x/0.50	0	LMC	1.1	-	-	-	-	-	-	M25	2.0	11506153
HI PLAN I	40x/0.50	0	0	1.1	-	-	-	-	-	-	M25	2.0	11506265
HI PLAN I	40x/0.50	0	PH2/	1.1	-	-	-	-	-	-	M25	2.0	11506273

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					ICT								
					Upright [S 1 - cond./ or 11)]	Invers (IRB HC)				ICR			
						S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.				
N PLAN	40x/0.65	0	/ 13)	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.36	11506097
N PLAN	40x/0.65	0	PH2/ 13)	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.36	11506099
N PLAN L	40x/0.55	CORR	/ 13)	0-2	K3+C	K3	K6	K8	C	C	M25	3.3-1.9	11506218
N PLAN L	40x/0.55	CORR	PH2/ 13)	0-2	K3+C	K3	K6	K8	C	-	M25	3.3-1.9	11506219
HCX PL FL L	40x/0.60	CORR	/ 13)	0-2	K3+C	K3	K6	K8	C	C	M25	3.3-1.9	11506201
HCX PL FL L	40x/0.60	CORR	XT 13)	0-2	K3+C	K3	K6	K8	C	C	M25	3.3-1.9	11506208
HCX PL FL L	40x/0.60	CORR	PH2/ 13)	0-2	K3+C	K3	K6	K8	C	-	M25	3.3-1.9	11506203
HCX PL FL L	40x/0.60	CORR	PH2/XT 13)	0-2	K3+C	K3	K6	K8	C	-	M25	3.3-1.9	11506209
HCX PL FL L	40x/0.60	CORR	LMC	0-2	-	-	-	-	-	-	M25	3.3-1.9	11506205
HCX PL FLUOTAR	40x/0.75	0	/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.40	11506144
HCX PL FLUOTAR	40x/0.75	0	PH2/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.40	11506145
HCX PL FLUOTAR	40x/0.75	0	P/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.40	11556052
PL FLUOTAR	40x/1.00-0.50	OIL	/	-	K3+C	K3	K6	K8	C	-	M25	0.08	11506007
PL FLUOTAR	40x/1.00	OIL	PH3/	-	K3+C	K3	K6	K8	C	-	M25	0.08	11506016
HCX APO L U-V-I 12)	40x/0.80	W	2)	O	K6+D1	-	-	-	-	-	M25	3.3	11506155
HCX PL APO U-V-I 12)	40x/0.75	0	0	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.28	11506173
HCX PLAN APO	40x/0.75	0	PH2/	0.17	K3+D (K6+D1)	K3	K6	K8	D	-	M25	0.28	11506174
HCX PL APO CS	40x/0.85	CORR	/ 14)	0.11-0.23	K3+C	K3	K6	K8	C	-	M25	0.24	11506140
HCX PLAN APO	40x/0.85	CORR	/	0.11-0.23	K3+C	K3	K6	K8	C	-	M25	0.24	11506167
HCX PL APO	40x/0.85	CORR	/	0.11-0.23	K3+C	K3	K6	K8	C	-	M25	0.24	11506294
HCX PL APO	40x/1.25-0.75	OIL	/	0.17	K5+E or K15+E11)	K5	K7	-	E	-	M25	0.1	11506105
HCX PL APO	40x/1.25	OIL	PH3/	0.17	K5+E or K15+E 11)	K5	K7	-	E	-	M25	0.1	11506106
HCX PL APO CS	40x/1.25	OIL	PH3/ 14)	0.17	K5+E or K15+E 11)	K5	K7	-	E	-	M25	0.1	11506181
HCX PL APO	40x/1.25-0.75	OIL	/	0.17	K3+D or K6+D1	K3+D or K6+D1	K6+D or K8+D1	K8	D	-	M25	0.1	11506250
HCX PL APO CS	40x/1.25-0.75	OIL	/ 14)	0.17	K3+D or K6+D1	K3+D or K6+D1	K6+D or K8+D1	K8	D	-	M25	0.1	11506251
HCX PL APO CS	40x/1.25	OIL	PH3 / 14)	0.17	K3+D or K6+D1	K3+D or K6+D1	K6+D or K8+D1	K8	D	-	M25	0.1	11506252
HCX PL APO	40x/1.25-0.75	OIL	/ 14) Lbd. Bl 15)	0.17	K3+D or K6+D1	K3+D or K6+D1	K6+D or K8+D1	K8	D	-	M25	0.1	11506253
N PLAN	50x/0.75	0	0	O	-	-	-	-	-	D(D1) 5)	M25	0.37	11566027
N PLAN	50x/0.75	0	0	O	-	-	-	-	-	D(D1) 5)	M25	0.37	11566050
N PLAN	50x/0.75	0	P	0	-	-	-	-	-	D(D1)	M25	0.37	11556062
N PLAN	50x/0.75	0	BD	0	-	-	-	-	-	D(D1) 5)	M32	0.37	11566052
N PLAN	50x/0.90	OIL	/	-	-	-	-	-	-	-	M25	0.14	11506085
N PLAN L	50x/0.50	0	0	0	-	-	-	-	-	C	M25	8.2	11566036
N PLAN H	50x/0.50	0	0	1.8 Q	-	-	-	-	-	-	M25	7.1	11566040
HC PL FLUOTAR	50x/0.80	0	0	0	-	-	-	-	-	D(D1)	M25	0.5	11566501
HC PL FLUOTAR	50x/0.80	0	BD	0	-	-	-	-	-	D(D1)	M32	0.5	11566504
PL FLUOTAR L	50x/0.55	0	0	0	-	-	-	-	-	C	RMS	8.0	11767002
PL FLUOTAR L	50x/0.55	0	BD	0	-	-	-	-	-	C	M32	8.0	11766000
PL APO	50x/0.85	0	BD	0	-	-	-	-	-	C	M32	0.34	11566013
HI PLAN	63x/0.75	0	/	0.17	-	-	-	-	-	-	M25	0.31	11506237
HI PLAN	63x/0.75	0	P/	0.17	-	-	-	-	-	-	M25	0.31	11556066
HCX PL FLUOTAR L	63x/0.70	CORR	13)	0.1-1.3	K5+C or K15+C 11)	K5	K7	-	C	C	M25	2.6-1.8	11506216
HCX PL FLUOTAR L	63x/0.70	CORR	PH2/ 13)	0.1-1.3	K5+C or K15+C 11)	K5	K7	-	C	-	M25	2.6-1.8	11506217
HCX PL FLUOTAR L	63x/0.70	CORR	XT 13)	0.1-1.3	K5+C or K15+C 11)	K5	K7	-	C	-	M25	2.6-1.8	11506222
N PLAN	63x/0.80	0	/	0.17	K5+D	K5	K7	-	D	-	M25	0.26	11506184
N PLAN	63x/0.80	0	P	0.17	K5+D	K5	K7	-	D	-	M25	0.26	11556056
HCX APO L U-V-I 12)	63x/0.90	W	2)	0	K7+D1	-	-	-	-	-	M25	2.2	11506148
HCX PL FLUOTAR	63x/0.90	CORR	/	0.11-0.23	K7+D1	K7	K10	-	D1	-	M25	0.22	11506223
HCX PL FLUOTAR	63x/1.25	OIL	/	0.17	K4+E	K4	K10	-	E	-	M25	0.19	11506185
HCX PL FLUOTAR	63x/1.25	OIL	PH3/	0.17	K4+E	K4	K10	-	E	-	M25	0.19	11506186

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms						Objective thread	Free working distance (mm)	Article No
					ICT								
					Upright [S 1 - cond./ or 11)]	Invers (IRB HC)				ICR			
						S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.				
HCX PL APO	63x/1.30	GLYC 37°C	/	0.14-0.18	K7+D1 or K7+D1pifoc 16)	K7 or K7+D1pifoc 16)	K10+D1 or K10+D1pifoc 16)	-	D(D1)	-	M25	0.28	11506193
HCX PL APO CS	63x/1.30	GLYC 21°C	/ 14)	0.14-0.18	K7+D1 or K7+D1pifoc 16)	K7 or K7+D1pifoc 16)	K10+D1 or K10+D1pifoc 16)	-	D(D1)	-	M25	0.28	11506194
HCX PL APO	63x/1.40-0.60	OIL	/	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.10	11506187
HCX PL APO CS	63x/1.32-0.60	OIL	/ 14)	0.17	K5+D or K15+D 11)	K5	K7	-	D	-	M25	0.07	11506180
HCX PL APO CS	63x/1.40-0.60	OIL	/ 14)	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.10	11506188
HCX PL APO	63x/1.40-0.60	OIL	/ 14) Lbd. Bl 15)	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.10	11506192
HCX PL APO	63x/1.20	W CORR 8)	/ 14) Lbd. Bl 15)	0.14-0.18	K5+D or K15+D 11)	K5	K7	-	D	-	M25	0.22	11506213
HCX PL APO	63x/1.20	W CORR 8)	/ 14)	0	K5+D or K15+D 11)	K5	K7	-	D	-	M25	0.22	11506281
HCX PL APO CS	63x/1.40	OIL	PH3/	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.1	11506206
HCX PL APO CS	63x/1.20	W CORR 8)	/ 14)	0.14-0.18	K5+D or K15+D 11)	K5	K7	-	D	-	M25	0.22	11506279
C PLAN	100x/1.25	OIL	/	0.17	-	-	-	-	-	-	M25	0.10	11506072
HI PLAN	100x/1.25	OIL	/	0.17	-	-	-	-	-	-	M25	0.10	11506238
HI PLAN	100x/1.25	OIL	PH3/	0.17	-	-	-	-	-	-	M25	0.10	11506241
N PLAN L	100x/0.75	0	0	0	K4+B2	-	-	-	-	B1(B2)	M25	3.5	11566047
N PLAN L	100x/0.75	0	BD	0	K4+B2	-	-	-	-	B1(B2)	M32	3.5	11566048
N PLAN	100x/0.90	0	0	0	K4+D or K9+D 11)	-	-	-	-	D(D15)	M25	0.27	11566053
N PLAN	100x/0.90	0	BD	0	K4+D or K9+D 11)	-	-	-	-	D(D15)	M32	0.30	11566054
N PLAN	100x/1.25	OIL	/ 13)	-	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.12	11506158
N PLAN	100x/1.25-0.60	OIL	/ 13)	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.12	11506207
N PLAN	100x/1.25	OIL	PH3/ 13)	-	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.12	11506159
N PLAN	100x/1.25	OIL	P	-	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	D(D1)	M25	0.12	11556053
HC PL FLUOTAR	100x/0.90	0	0	0	K4+D	-	-	-	-	D(D1)	M25	0.27	11566502
HC PL FLUOTAR	100x/0.90	0	BD	0	K4+D	-	-	-	-	D(D1)	M32	0.30	11566505
HC PL FLUOTAR	100x/0.90	0	0	0	K4+D	-	-	-	-	D(D1)	M25	0.27	11566057
HC PL FLUOTAR	100x/0.90	0	BD	0	K4+D	-	-	-	-	D(D1)	M32	0.30	11566055
PL FLUOTAR L	100x/0.90	0	P	0	K4+D or K10+D1	K4 (K10)	K10	-	D	D(D1)	M25	0,27	11556057
PL FLUOTAR L	100x/0.90	0	P	0	K4+D or K10+D1	K4 (K10)	K10	-	D	D(D1)	M25	0,27	11556063
PL FLUOTAR L	100x/0.75	0	0	0	-	-	-	-	-	-	RMS	4.7	11767000
PL FLUOTAR L	100x/0.75	0	0	0	-	-	-	-	-	-	M25	4.7	11566063
HCX PL FLUOTAR	100x/1.30	OIL	0	0.17	K4+D	K4 or K12 11)	K10	-	D	D(D1)	M25	0.13	11506195
HCX PL FLUOTAR	100x/1.30	OIL	0	0	K4+D or K9+D 11)	-	-	-	-	D(D1)	M25	0.22	11506199
HCX PL FLUOTAR	100x/1.30-0.60	OIL	0	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	D(D1)	M25	0.13	11506196
HCX PL FLUOTAR	100x/1.30	OIL	PH3/	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	D(D1)	M25	0.13	11506197
HCX APO U-V-I 12)	100x/1.30	OIL	0	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	D(D1)	M25	0.12	11506156
HCX APO U-V-I 12)	100x/1.30	OIL	PH3 /	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	D(D1)	M25	0.12	11506157
PL APO	100x/0.95	0	0	0	K4+C	-	-	-	-	C	RMS	0.16	11567023
PL APO	100x/0.95	0	0	0	K4+C	-	-	-	-	C	RMS	0.16	11767016
PL APO	100x/0.90	0	BD	0	K4+C	-	-	-	-	C	M32	0.26	11566014
PL APO	100x/0.90	0	BD	0	K4+C	-	-	-	-	C	M32	0.26	11766017

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms						Objective thread	Free working distance (mm)	Article No
					ICT								
						Invers (IRB HC)							
					Upright [S 1 - cond./ or 11)]	S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.	ICR			
HCX PL APO CS	100x/1.40-0.70	OIL	/ 14)	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.09	11506210
HCX PL APO CS	100x/1.40	OIL	PH3/	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.09	11506211
HCX PL APO	100x/1.40-0.70	OIL	/	0.17	K4+D (K10+D1)or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.09	11506220
HCX PL APO	100/1.46	OIL	/	0.14-0.22	K4+D or K10+D1	K4+D or K10+D1	K10	-	D	-	M25	0.09	11506249
HCX PL APO CS	100/1.46	OIL	/ 14)	0.14-0.22	K4+D or K10+D1	K4+D or K10+D1	K10	-	D	-	M25	0.09	11506274
HCX PL FLUOTAR	150x/0.90	0	0	0	K8+C	K8	K10	-	C	C	M25	0.25	11506214
PL APO	150x/0.95	0	0	0	-	-	-	-	-	C	RMS	0.20	11567042
PL APO	150x/0.90	0	BD	0	-	-	-	-	-	C	M32	0.25	11566015
PL APO	250x/0.95	0	0	0	-	-	-	-	-	-	RMS	0.24	11767001

Tube length oo, reference focal length of tube lens f_B = 200 mm, parfocalizing distance 45 mm

Immersions:
OIL = DIN/ISO standard immersion oil
IMM = either water, glycerine or oil
W = water

Techniques:
Suitable for transmitted light brightfield, transmitted light darkfield, fluorescence and polarization contrast is not explicitly mentioned. C PLAN achromats are only recommended for fluorescence under certain conditions.

BD = for brightfiled/incident light darkfield
PH = phase contrast objective
RC = reflection contrast objective
L = long free working distanc
P,POL= low strain, for quantitative polarization
/ = not for incident light, except fluorescence
LMC = Modulation contrast objective (only with DM IRB)

IC prisms for interference contrast
Condenser prisms:
K1a only DM R with condensers UCR/UCPR, condenser head swung out
K2-K5+K11 only with condenser top 0.90 S1 or P 0.90 S1 (upright)
K9,K12,K15 only with condenser top P 1.40 OIL S1
Objective prisms: A-E
Prisms B2 / D wide shearing = higher contrast
B1 / D1 narrow shearing = higher resolution

Coverglass specification:
- for use with and without coverglass
O for use without a coverglass
0.17 for use with a 0.17 mm coverglass (DIN/ISO)
1.8Q for use with 1.8 mm quartz glass window on heating stages
0-2 for use with coverglasses of 0 - 2 mm thickness

Lowest objective magnifications:
Depending on microscope/condenser type:
DM 1000/2000
UCL/UCLP 2.5x fov 25 with 2.5x auxiliary lens
CL/PH 2.5x with diffusing disc
Condenser ach. apl. 0.9 (P): 1.25x with diffusion filter
DM LP/LM
UCA / UCLP 1.6x / fov 25
DM2500
Condenser ach. apl. 0.9 (P): 1.25x
UCA / UCAP 1.25x/fov 25
CL/PL 10x /fov 25

1) With quartz plate mounted in front for enhanced contrast (crossed polarizers required)
2) Inert front part with minimum electric and thermal conductivity, chemically neutral ceramic
3) Immersion cap for oil, water etc. available (11556045)
4) Push-on cap CG 0.4 (11506071) for coverglass 0.25 - 0.55 mm
5) For incident light objects with weak contrast, N PLAN POL or HC PL FLUOTAR / PL APO objectives can be used instead
6) K1a-condenser-prisms only with UCR condenser and DM R microscope, condenser top swung out!
7) Correction for adaption with / without coverglass / with water, glycerine or immersion oil
8) Correction for adaption to coverglass thickness 0.14-0.18 mm / temperature 15 - 37°C and NaCl 0 - 3 %
9) Correction for temperature 15 - 37°C and NaCl 0 - 3 %
11) with Condensertop P 1.40 OIL S1
12) U-V-I: **U**V-**V**isible-**I**R
13) useful and recommended for Integrated Leica Modulation Contrast **(IMC)**
14) optimized for **C**onfocal **S**canning
15) Lbd. BL (Lambda blue): enhanced approchromatic correction, GFP optimized
16) with Piezo-focusing (DM MDW)
17) reommended for Leica DM4000/DM5000/DM6000

Adapters are required for objective threads that do not fit the nosepiece:
M25/RMS = 11506028
M32/M25 = 11561003
M32/RMS = 11562281