

Leica HCS Objectives, Version 7.2

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms						ICR	Objective thread	Free working distance (mm)	Article No
					ICT									
					Upright [S 1 - cond./ or 11)]	Invers (IRB HC)								
						S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.					
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	11506234	
HCX PL FLUOTAR	1.6x/0.05	0	1)	-	-	-	-	-	-	-	M25	1.54	11566059	
PL S-APO	1.6x/0.05	0	0	-	-	-	-	-	-	-	M25	1.55	11506287	
N PLAN	2.5x/0.07	0	0	-	-	-	-	-	-	-	M25	11.2	11506083	
N PLAN	2.5x/0.07	0	P	-	-	-	-	-	-	-	M25	11.2	11556036	
FL PLAN	2.5x/0.07	0	0	-	-	-	-	-	-	-	M25	11.3	11506304	
PL FLUOTAR	2.5x/0.07	0	0	-	-	-	-	-	-	-	RMS	9.2	11567010	
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	
HI PLAN EPI	5x/0.12	0	0	-	-	-	-	-	-	-	M25	11.7	11566071	
PLAN UVI	5x/0.12	0	LMD 12)	-	-	-	-	-	-	-	M25	11.7	11518146	
N PLAN	5x/0.12	0	0	-	K1b+B1	-	K11	K3	B1	B1,B2	M25	14.0	11506302	
N PLAN	5x/0.12	0	PH0/	0	K1b+B1	-	K11	K3	B1	B1,B2	M25	14.0	11506303	
N PLAN EPI	5x/0.12	0	0	-	K1b+B1	-	K11	K3	B1	B1,B2	M25	14.0	11566076	
N PLAN EPI	5x/0.12	0	BD	-	K1b+B1	-	K11	K3	B1	B1,B2	M32	14.0	11566077	
N PLAN EPI	5x/0.12	0	P	-	K1b+B1	-	K11	K3	B1	B1,B2	M25	14.0	11556075	
FL PLAN	5x/0.12	0	0	-	K1b+B1	-	K11	K3	B1	B1,B2	M25	14.1	11506305	
HCX PL FLUOTAR	5x/0.15	0	13)	-	K1b+C1 17)	-	K11	K3+C1 K2+C	C1	C, C1, C2	M25	12.0	11506224	
HCX PL FLUOTAR	5x/0.15	0	P	-	K1a+C1 6) or K1b+C1 17)	-	K11	K3	C1	C, C1, C2	M25	12.0	11556058	
HCX PL FLUOTAR	5x/0.15	0	BD	-	-	-	-	-	-	C, C1, C2	M32	12.2	11566046	
PL S-APO	5x/0.15	0	13)	-	K1b+C1 17)	-	K11	K3+C1 K2+C	C1	C, C1, C2	M25	12.1	11506288	
UVI	6.3x/0.13	0	LMD 12)	-	-	-	-	-	-	-	M25	19.0	11518145	
C PLAN	10x/0.22	0	LMC	-	-	-	-	-	-	-	M25	7.8	11506138	
HI PLAN EPI	10x/0.25	0	0	-	-	-	-	-	-	-	M25	12.0	11566069	
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	17.6	11506261	
HI PLAN CY	10x/0.25	0	PH1	-	-	-	-	-	-	-	M25	17.6	11506266	
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+B1	K11+ B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M25	17.6	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	
N PLAN EPI XLR	10x/0.25	Oil	Pol	-	-	-	-	-	-	-	M25	0.4	11556513	
FL 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	11506306	
FL PLAN	10x/0.25	0	PH1/	-	K2+B1	K11+ B1	K3+B1 K11+B2	K6+B1 K3+B2	B1 B2	B1 B2	M25	17.6	11506307	
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	
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	
PL S-APO	10x/0.30	0	0	-	K2+D1	K11	K3(K11)	K6(K3)	D1(D)	D1/D	M25	11.1	11506289	
HCX APO L U-V-I 12)	10x/0.30	W	2)	-	K2+D1	-	-	-	-	-	M25	3.6	11506142	

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						S 1 - Cond.	S 23 - Cond.	S 70 - Cond.	Obj.					
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	PH1/	0.17	K2+A	K11	K3	K6	A	-	M25	2.2	11506286	
HC PL APO CS	10x/0.40	IMM	14)	-	K2+A	K11	K3	K6	A	-	M25	0.36	11506293	
HI PLAN EPI	20x/0.40	0	0	0	-	-	-	-	-	-	M25	1.15	11566070	
HI PLAN	20x/0.40	0	/	0.17	-	-	-	-	-	-	M25	0.9	11506276	
HI PLAN	20x/0.40	0	PH1/	0.17	-	-	-	-	-	-	M25	0.9	11506278	
HI PLAN	20x/0.40	0	P	0.17	-	-	-	-	-	-	M25	0.9	11566071	
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 EPI	20x/0.40	0	0	0	-	-	-	-	-	D1/D	M25	1.15	11566066	
N PLAN EPI	20x/0.40	0	BD	0	-	-	-	-	-	D1/D 5)	M32	1.15	11566067	
N PLAN	20x/0.40	0	P	0	-	-	-	-	-	D1/D	M25	1.15	11556072	
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	11566049	
N PLAN L	20x/0.40	0	BD	0	-	-	-	-	-	C	M32	10.8	11566051	
N PLAN EPI	20x/0.40	Oil	XLR	0	K2+C (K3+C1)	K11(K3)	K3(K6)	K8	C(C1)	C/C1	M25	0.23	11556076	
FL PLAN	20x/0.40	0	/	0.17	K2+D	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	0.40	11506308	
FL PLAN	20x/0.40	0	PH1/	0.17	K2+D	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	0.40	11506309	
HCX PL FLUOTAR	20x/0.50	0	/	0.17	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11506503	
HCX 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	
HCX 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	0	K2+D (K3+D1)	-	-	-	-	D1/D	M25	1.27	11566500	
HCX PL FLUOTAR	20x/0.50	0	BD	0	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	0	-	-	-	-	-	C	M32	10.7	11766001	
PL S-APO	20x/0.50	0	/	0.17	K2+D (K3+D1)	K3(K11)	K6(K3)	K8(K6)	D1(D)	-	M25	1.15	11506290	
HCX APO L U-V-I 12)	20x/0.50	W	2)	-	K3+D1	-	-	-	-	-	M25	3.5	11506147	
HCX APO L	20x/1.00	W	2)	0	K7/H (K17/H)	-	-	-	-	-	M32	2.0	15507701	
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. BI 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	
HCX N PLAN L PH1	32x/0.40	0	PH1/	1	-	-	-	-	-	-	M25	3.3	11506317	
HCX N PLAN L	32x/0.40	0	/	1	-	-	-	-	-	-	M26	3.3	11506299	
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	
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	
N PLAN	40x/0.65	0	/ 13)	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.36	11506097	

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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	/ 13)	0-2	K3+C	K3	K6	K8	C	-	M25	3.3-1.9	11506297
N PLAN L	40x/0.55	CORR	PH2/ 13)	0-2	K3+C	K3	K6	K8	C	-	M25	3.3-1.9	11506298
N Plan EPI	40x/0.75	0	BD	0	0	K3(K6)	0	0	D(D1)	0	M32	0.37	11566078
N Plan EPI	40x/0.75	0	0	0	0	K3(K6)	0	0	D(D1)	0	M25	0.37	11566079
N Plan	40x/0.75	0	0	0	0	K3(K6)	0	0	D(D1)	0	M25	0.38	11506314
FL PLAN	40x/0.65	0	/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.37	11506310
FL PLAN	40x/0.65	0	PH2/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.37	11506311
HCX PL FL L	40x/0.60	CORR	/ 13)	0-2	K3+C	K3(K6)	K6(K8)	K8	C(C1)	C	M25	3.3-1.9	11506201
HCX PL FL L	40x/0.60	CORR	XT/LMD 13)	0-2	K3+C	K3(K6)	K6(K8)	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)	K6(K8)	K8	C	-	M25	3.3-1.9	11506203
HCX PL FL L	40x/0.60	CORR	PH2/XT/LM D 13)	0-2	K3+C	K3(K6)	K6(K8)	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 S-APO	40x/0.75	0	/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.28	11506291
ACS APO	40x/1.15	OIL	SPE	0.17	K5+E , K15+E 11)	K5	K7	-	E	-	M25	0.27	15507901
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 PL APO	40x/0.85	CORR	/	0.11-0.23	K3+C	K3	K6	K8	C	-	M25	0.24	11506294
HCX PL APO	40x/0.75	0	PH2/	0.17	K3+D (K6+D1)	K3(K6)	K6(K8)	K8	D(D1)	-	M25	0.28	11506296
HCX PL APO CS	40x/0.85	CORR	/ 14)	0.11-0.23	K3+C	K3	K6	K8	C	-	M25	0.24	11506295
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 EPI	50x/0.75	0	0	0	-	-	-	-	-	D(D1) 5)	M25	0.37	11566072
N PLAN EPI	50x/0.75	0	P	0	-	-	-	-	-	D(D1)	M25	0.37	11556073
N PLAN EPI	50x/0.75	0	BD	0	-	-	-	-	-	D(D1) 5)	M32	0.37	11566074
N PLAN	50x/0.85	OIL	P	-	-	-	-	-	-	-	M25	0.13	11556023
N PLAN	50x/0.90	OIL	/	-	-	-	-	-	-	-	M25	0.14	11506085
N PLAN L	50x/0.50	0	BD	0	-	-	-	-	-	C, C1	M32	8.2	11566038
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
HC PL FLUOTAR	50x/0.80	0	0	0	-	-	-	-	-	D(D1)	M25	0.5	11566069
PL FLUOTAR L	50x/0.55	0	0	0	-	-	-	-	-	C	M25	8.0	11566062
PL FLUOTAR L	50x/0.55	0	BD	0	-	-	-	-	-	C	M32	8.0	11766000
PL APO	50x/0.90	0	0	0	-	-	-	-	-	C, C1, C2	M25	0.28	11566064
HCX PL APO	50x/0.85	0	BD	0	-	-	-	-	-	C, C1, C2	M32	0.34	11766013
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/LMD 13)	0.1-1.3	K5+C or K15+C 11)	K5	K7	-	C	-	M25	2.6-1.8	11506222

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms						ICR	Objective thread	Free working distance (mm)	Article No			
					ICT				Upright [S 1 - cond./ or 11)]	S 1 - Cond.					S 23 - Cond.	S 70 - Cond.	Obj.
					Invers (IRB HC)												
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				
HCX PL S-APO	63x/1.30	OIL	/	0.17	K4+E	K4	K10	-	E	-	M25	0.19	11506292				
ACS APO	63x/1.15	W	SPE	0.15-0.19	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.15	15507903				
ACS APO	63x/1.30	OIL	SPE	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.16	15507900				
HCX PL APO CS	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/1.20	W CORR 8)	/ 14)	0.14-0.18	K5+D or K15+D 11)	K5	K7	-	D	-	M25	0.22	11506279				
HCX PL APO 'CS	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	11506280				
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/1.40-0.60	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 CS	63x/1.40	OIL	PH3/	0.17	K4+E or K9+E 11)	K4	K10	-	E	-	M25	0.10	11506206				
HCX PL APO	63x/1.47	OIL	/	0.10-0.22	K4+E	K4	K10	-	E	-	M25	0.10	11506319				
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 EPI	100x/0.85	0	0	0	-	-	-	-	-	D(D1)	M25	0.33	11566073				
N PLAN EPI	100x/0.85	0	BD	0	-	-	-	-	-	D(D1)	M32	0.33	11566075				
N PLAN EPI	100x/0.85	0	P	0	-	-	-	-	-	D(D1)	M25	0.33	11556074				
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				
HCX FL PLAN	100x/1.25	OIL	/ 13)	0.17	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.13	11506312				
HCX FL PLAN	100x/1.25	OIL	PH3/ 13)	-	K4+D or K9+D 11)	K4 or K12 11)	K10	-	D	-	M25	0.13	11506313				
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	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	-	-	-	-	-	-	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				

Objective type	Magnification /Aperture	Immersion	Technique	Cover-glass	Interference contrast prisms					ICR	Objective thread	Free working distance (mm)	Article No
					ICT								
					Upright [S 1 - cond./ or 11]]	Invers (IRB HC)			Obj.				
S 1 - Cond.	S 23 - Cond.	S 70 - Cond.											
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
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	M25	0.16	11566065
PL APO	100x/0.90	0	BD	0	K4+C	-	-	-	-	C	M32	0.26	11566014
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	100/1.47	OIL	/	0.10-0.22	K4+D or K10+D1	K4+D or K10+D1	K10	-	D	-	M25	0.09	11506318
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	LMD	0	K8+C	K8	K10	-	C	C	M25	0.25	11506214
PL APO	150x/0.90	0	BD	0	-	-	-	-	-	C	M32	0.25	11566015
PL APO	250x/0.95	0		0	-	-	-	-	-	-	RMS	0.24	11767001

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

Immersion:

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 brightfield/incident light darkfield
 PH = phase contrast objective
 RC = reflection contrast objective
 L = long free working distance
 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: UV-Visible-IR
- 13) useful and recommended for Integrated Leica Modulation Contrast (IMC)
- 14) optimized for Confocal Scanning
- 15) Lbd. BL (Lambda blue): enhanced achromatic correction, GFP optimized
- 16) with Piezo-focusing (DM MDW)
- 17) recommended 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