

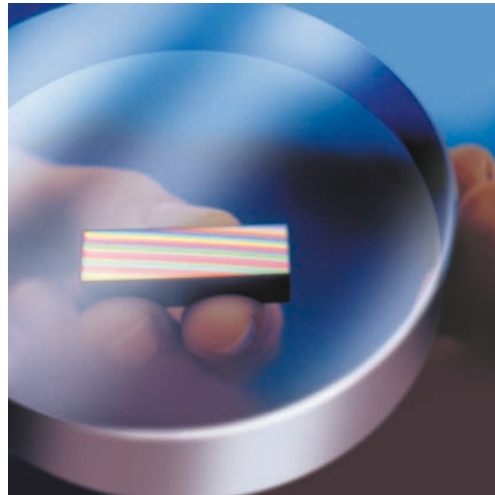
Optical flats

• USE

- For checking the flatness and adherence of reference gauges or any other parts with flat faces of the same precision.



02530075



Parallelism	Parallelism between the measuring faces is not guaranteed.
Flatness	0,125 μm
Included in delivery	Optical flat Declaration of Conformity

Article number	Designation	Diameter mm	Epaisseur mm
02530050	Optical flat	50	15
02530075	Optical flat	75	20

Optical flats

Optical flats with two parallel faces

- USE
 - For checking the flatness and parallelism of the measuring faces of external micrometers and similar instruments
- TESTING PROCESS
 - The difference in length of the interference lenses corresponds to one quarter or one third of the micrometer screw pitch (0,5 mm) respectively



Max. perm. errors	Length compared to the nominal dimension: $\pm 100 \mu\text{m}$
	Flatness:
	$\leq 27.335 \text{ mm}$: $0,15 \mu\text{m}$
	$\geq 52.000 \text{ mm}$: $0,20 \mu\text{m}$
	Parallelism:
	$\leq 27.335 \text{ mm}$: $0,4 \mu\text{m}$
	$\geq 52.000 \text{ mm}$: $0,5 \mu\text{m}$
Included in delivery	Optical flat(s) Déclaration de conformité

Article number	Designation	Diameter mm	Epaisseur mm
02510000	Set of optical flats	31	12 ÷ 12,375
02510100	Set of optical flats	31	27 ÷ 27,335
02510200	Set of optical flats	31	52 ÷ 52,335
02510300	Set of optical flats	31	77 ÷ 77,335
02510001	Optical flat	31	12
02510002	Optical flat	31	12,125
02510003	Optical flat	31	12,25
02510004	Optical flat	31	12,375
02510101	Optical flat	31	27
02510102	Optical flat	31	27,165
02510103	Optical flat	31	27,335
02510201	Optical flat	31	52
02510202	Optical flat	31	52,165
02510203	Optical flat	31	52,335
02510301	Optical flat	31	77
02510302	Optical flat	31	77,165
02510303	Optical flat	31	77,335