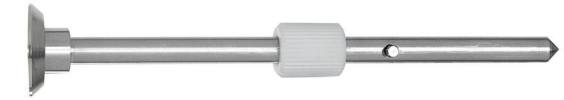
MEASURING SYSTEMS

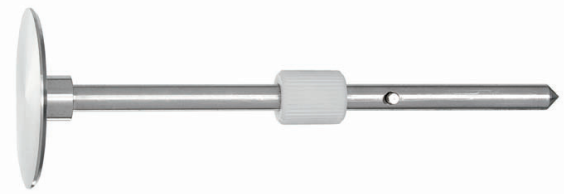
MS CP bayonet

Measuring systems cone or plate compatible with DIN 53019 / ISO 3219 / ASTM D4278-D7395 (316L Stainless Steel). These systems make it possible to set the shear rate in order to carry out viscosity measurements or to obtain curves to study flow behavior, yield stress or thixotropy. They are particularly suitable for measurements on very small quantities for control or development of homogeneous products with or without particles (size <100µm), guaranteeing easy cleaning.

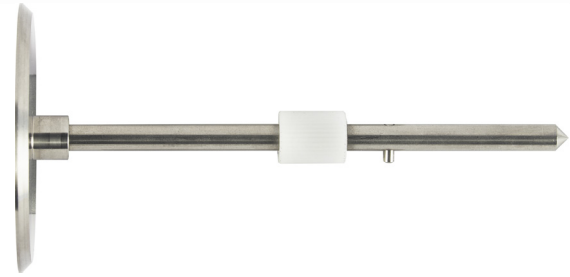
These measuring systems are not compatible with the B-ONE PLUS and all instruments in LR version.
These measuring systems are compatible with CP2000 / CP4000 instruments and CP1 temperature control.



MK-CP20 mm bayonet



MK-CP40 mm bayonet



MK-CP60 mm bayonet

AVAILABLE BAYONET MEASURING SYSTEM

Designation system	Part Number (bayonet)[b]	Diameter (mm)	Angle (°)	Sample volume (ml)	Shear rate range for FIRST (s-1)	Shear rate range for RM100/200 (s-1)	Viscosity range for FIRST (mPa.s)	Viscosity range for RM100-200 (mPa.s)
MK-CP1010	421010	10	1	0,005	2 to 1500	2 to 9000	1300 to 24M	220 to 57M
MK-CP1020	421020	10	2	0,01	1 to 750	1 to 4500	2550 to 49M	420 to 114M
MK-CP1030	421030	10	3	0,015	1 to 500	1 to 3000	3800 to 49M	640 to 114M
MK-CP1220	421220	12	2	0,016	1 to 750	1 to 4500	1500 to 28M	250 to 66M
MK-CP2005	422005	20	0,5	0,018	4 to 3000	4 to 18000	80 to 1.5M	14 to 3.5M
MK-CP2020	422020	20	2	0,073	1 to 750	1 to 4500	320 to 6M	53 to 14M
MK-CP2045	422045	20	0,45	0,016	4 to 3325	4 to 19950	72 to 1.5M	12 to 3.5M
MK-CP2420	422420	24	2	0,126	1 to 750	1 to 4500	184 to 3.5M	31 to 8M
MK-CP2445	422445	24	0,45	0,028	4 to 3325	4 to 19950	42 to 0.9M	7 to 2M
MK-CP2520	422420	25	2	0,142	1 to 750	1 to 4500	170 to 3M	28 to 7M
MK-CP3520	423520	35	2	0,391	1 to 750	1 to 4500	60 to 1M	10 to 2.6M
MK-CP4005	424005	40	0,5	0,146	4 to 3000	4 to 18000	10 to 0.2M	2 to 0.45M
MK-CP4020	424020	40	2	0,585	1 to 750	1 to 4500	40 to 0.78M	7 to 1.8M
MK-CP4040	424040	40	4	1,17	1 to 375	1 to 2250	80 to 1.5M	14 to 1.8M
MK-CP5010	425010	50	1	0,571	2 to 1500	2 to 9000	11 to 0.2M	2 to 0.46M
MK-CP5020	425020	50	2	1,142	1 to 750	1 to 4500	21 to 0.4M	4 to 0.93M
MK-CP6005	426005	60	0,5	0,5	4 to 3000	4 to 18000	3 to 0.58M	1 to 0.135M
MK-CP6020	426020	60	2	2	1 to 750	1 to 4500	12 to 0.23M	2 to 0.54M
MK-PP20[a]	422000	20		0,314	1 to 260	1 to 1560	1250 to 16M	210 to 19M
MK-PP25[a]	422025	25		0,491	1 to 325	1 to 1965	510 to 8M	83 to 9.7M
MK-PP40[a]	424000	40		1,26	1 to 525	1 to 3150	80 to 1M	13 to 2.4M
MK-PP50[a]	425000	50		1,96	1 to 650	1 to 3900	12 to 0.2M	2 to 0.46M

M for millions, K for thousand

a) All values give for gap 1mm

b) Need adaptor PN 800146 for instruments with AC265 coupling

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MEASURING SYSTEMS

MS CP AC 265

Measuring systems cone or plate compatible with DIN 53019 / ISO 3219 / ASTM D4278-D7395 (316L Stainless Steel). In addition to advantages already mentioned on page 60, the AC 265 coupling guarantees quick setup of the measuring system, better maintenance and increased repeatability. They measure all types of products and are recommended for high viscosities.

These measuring systems are compatible only with instruments CP2000 / CP4000.

MK-CP 20 mm AC 265

MK-CP 40 mm AC 265

MK-CP 60 mm AC 265

AVAILABLE AC 265 MEASURING SYSTEM

Designation System	Part Number System	Diameter (mm)	Angle (°)	Sample volume (ml)	Shear rate range for RM100/200 (s-1)	Viscosity range for RM100-200 (mPa.s)
MK-CP1005	265115	10	0,5	0,002	4 to 18000	110 to 28M
MK-CP2005	365205[b]	20	0,5	0,018	4 to 18000	14 to 3.5M
MK-CP2005	265205					
MK-CP2015	265215	20	1,59	0,058	2 to 5700	42 to 7M
MK-CP2020	365202[b]	20	2	0,073	1 to 4500	53 to 14M
MK-CP2020	265202					
MK-CP2405	265245	24	0,5	0,031	4 to 18000	8 to 2M
MK-CP2420	265242	24	2	0,126	1 to 4500	31 to 8M
MK-CP4005	365405[b]	40	0,5	0,146	4 to 18000	2 to 0.45M
MK-CP4005	265405					
MK-CP4015	265515	40	1,59	0,465	2 to 5700	6 to 0.9M
MK-CP4020	365402[b]	40	2	0,585	1 to 4500	7 to 1.8M
MK-CP4020	265402					
MK-CP4040	265404	40	4	1,17	1 to 2250	14 to 1.8M
MK-CP5005	265505	50	0,5	0,285	4 to 18000	1 to 0.23M
MK-CP5020	265502	50	2	1,142	1 to 4500	4 to 0.93M
MK-CP6005	365605[b]	60	0,5	0,5	4 to 18000	1 to 0.135M
MK-CP6005	265622					
MK-CP6010	265610	60	1	1	2 to 9000	1 to 0.27M
MK-CP6020	365602[b]	60	2	2	1 to 4500	2 to 0.54M
MK-CP6020	265602					
MK-CP6030	265603	60	3	3	1 to 3000	3 to 0.54M
MK-PP20[a]	265020	20		0,314	1 to 1560	210 to 19M
MK-PP25[a]	265025	25		0,491	1 to 1965	83 to 9.7M
MK-PP28[a]	265028	28		0,616	1 to 2205	53 to 6.9M
MK-PP35[a]	265035	35		0,962	1 to 2745	22 to 3.5M

M for millions, K for thousand

a) All values give for gap 1mm

b) With truncation 50µm recommended for RM 200 CP4000

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