

High Performance Live Centres C Series

small housing diameter, short design



Types CEM, CEMG

Centre spindle with internal taper 1:7.5 for interchangeable inserts
low-friction running

Runout inside the internal taper

Type CEM max. 0.002 mm

Type CEMG max. 0.001 mm

with test report

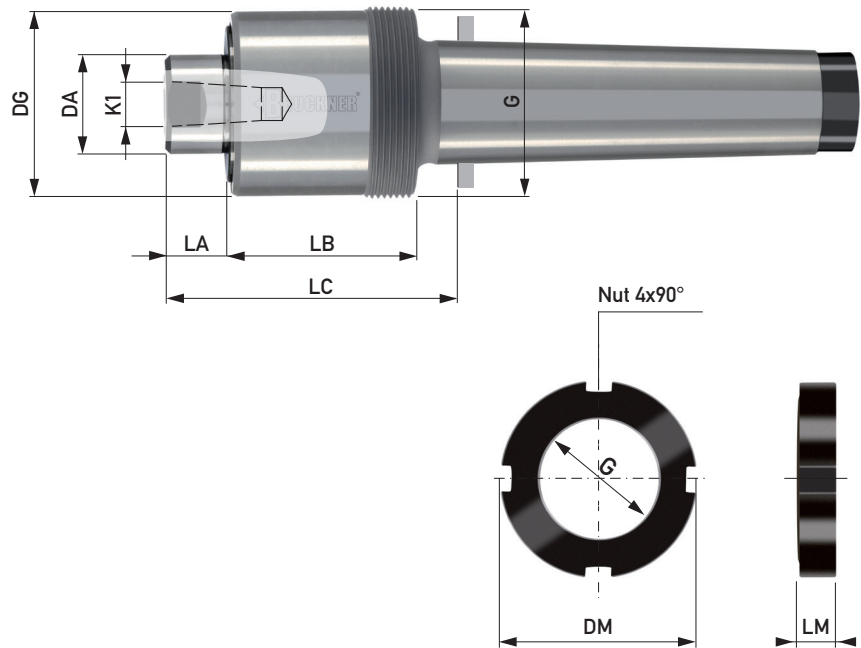
Runout of the system can be minimized by twisting the insert in the internal taper

Application

for measuring, inspection and testing.

Multiple options through 8 interchangeable inserts

Note: only for coolant, dust and dirt free operations



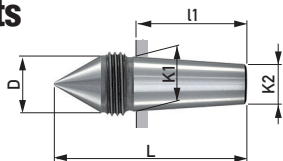
Draw-off nut			
ID.No.	G	LM	DM
M35DIN1804	M35x1.5	11	55
M38DIN1804	M38x1.5	11	58
M48DIN1804	M48x1.5	13	75

Type CEM	ID.No.	650E 032002A	650E 035003A	650E 046004A
Type CEMG	ID.No.	651E 032002A	651E 035003A	651E 046004A
Morse taper		2	3	4
DA		20	22	25
DG		32	35	46
K1		11	11	15
LA		12	13	15
LB		35.5	43.5	46
LC		52.5	61	67
G		M35x1.5	M38x1.5	M48x1.5
SW		16	16	22
r.p.m. max.		5500	5000	5000
Load	The radial load of types CEM/CEMG is restricted by the interchangeable inserts			
Draw-off nut		M35DIN1804	M38DIN1804	M48DIN1804
Suitable inserts (page 33)		482	482	484

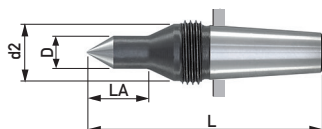
Interchangeable inserts

taper 1:7.5, in gauge accuracy

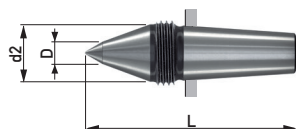
Form A0, 60°
with draw-off nut



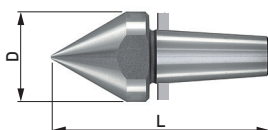
Form ASL, 60°
slim, extended
with draw-off nut



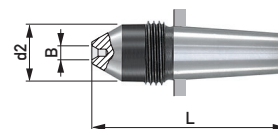
Form AKOP, 60°/40°
extended
with draw-off nut



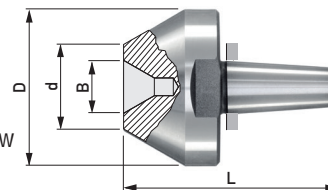
Form A, 60°
for hollow parts
spanner flat (SW)



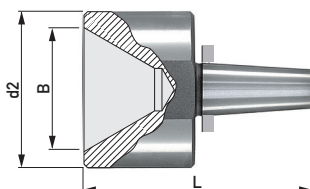
Form B, centre 60°
for centreless workpieces,
with draw-off nut



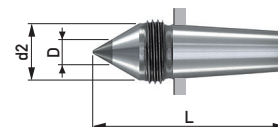
Form C, centre 60°
for centreless workpieces,
external angle 60° for hollow
parts, spanner flat (SW)



Form D, centre 60°
for centreless workpieces,
spanner flat (SW)



Form AOHM, 60°
with carbide insert
with draw-off nut



Basic centre Types: CEM/CEMG	Interchangeable inserts	Radial load max. daN	Insert dimensions						Thread SW	Taper dimensions taper 1:7.5		
ID.No.	ID.No.		D	d2	B	d	L	LA		K1	K2	l1
650E 032002A 651E 032002A 650E 035003A 651E 035003A	482A0	90	11.7				45		M14x1.5	11	8	23
	482ASL	30	6	11.7			55	15	M14x1.5			
	482AKOP	90	5	11.7			50		M14x1.5			
	482A	90	17				45		SW14			
	482B	90		11.7	4x2		45		M14x1.5			
	482C	90	28		8x3	12	45		SW24			
	482D	90		28	20x6		45		SW24			
650E 046004A 651E 046004A	482AOHM	60	7	11.7			45		M14x1.5	15	11	30
	484A0	160	15.7				53		M18x1.5			
	484ASL	100	9	15.7			65	17	M18x1.5			
	484AKOP	160	6	15.7			58		M18x1.5			
	484A	160	25				60		SW22			
	484B	110		15.7	4x2		53		M18x1.5			
	484C	160	44		15x5	24	60		SW41			
	484D	160		44	35x12		64		SW41			
	484AOHM	60	7	15.7			53		M18x1.5			

ID.No	Content
P 10	100 g

Installation paste

Makes insert change easier.
Apply thinly and evenly to the insert taper.

Changing of inserts

Depending on the style the insert can be removed by its draw-off thread and draw-off nut or with spanners applied to the spanner flats