

ER floating chucks

When using reamers on lathes it is often necessary to compensate for axis error between the chuck and the bore to be machined. This error can be corrected by using a self-centering floating chuck.

PH/PHC/PHC-C/MPH

Features and benefits

Adjustable floating resistance

Continuously adjustable between auto-centering and free-floating. No restriction of the floating movement.

Adjustment for tool weight

Optimal setup by adjustment of floating resistance is possible.

Vertical and horizontal application

Adjustable self-centering keeps the tool at the center of the floating chuck, even in the horizontal position. Prevents chatter marks and extends tool life.

Combined ball- and friction-bearing

Combined ball and friction-bearing for easy floating:

- // Ball bearing for smooth reaming at low load applications
- // Friction-bearing to withstand high pressures at high load applications

Double sealing against dirt

Prevents coolant and chips from entering the floating chuck.

Excellent bore quality

Only parallel floatation of tool possible.

Floating chuck PH/ER

Features REGO-FIX floating chucks are excellent tools for reaming and tapping:

- // They are specially designed so the tool is self-centering in a vertical and horizontal position
- // The self-centering feature allows very precise positioning of the reaming or tapping tool. This is especially important in horizontal applications, where on ordinary floating chucks the weight of the tool tends to dislocate the tool from the rotational axis
- // The float is always parallel to the rotational axis and the rotation is both clockwise and counter clockwise

Floating chuck PHC/ER for coolant through tools

Features Floating chucks PHC/ER for coolant through tools are especially designed for internal cooling and have the same advantages as the PH/ER floating chucks.

Floating chuck PHC-C/ER REGO-FIX CAPTO

Features These REGO-FIX CAPTO floating chucks are manufactured with polygon interface – licensed by Sandvik Coromant.

Floating chuck MPH/ERMX for tight spaces

Application REGO-FIX MPH/ERMX floating chucks are an efficient solution for tight space applications.

MPHC/ERMXC for tight spaces with internal cooling

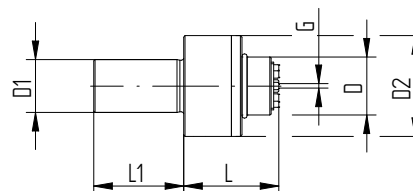
Application The MPHC floating chuck is the mini version with internal cooling, common with modern reaming applications.

PH floating chucks for non coolant through tools

PH

Type	Part no.	Dimensions [mm]					G	Accessory
		D	D1 h6	D2	L	L1		Wrench
PH 5/8 [inch]								
PH 5/8" / ER 11	2616.91102	22	15.88	38	36	34	0.8	E 11 AX
PH 16 [mm]								
PH 16/ER 11	2616.91100	22	16	38	36	34	0.8	E 11 AX
PH 3/4 [inch]								
PH 3/4" / ER 11	2619.91102	22	19.05	38	36	34	0.8	E 11 AX
PH 20 [mm]								
PH 20/ER 11	2620.91100	22	20	38	36	34	0.8	E 11 AX
PH 22 [mm]								
PH 22/ER 11	2622.91100	22	22	38	36	34	0.8	E 11 AX

Included in delivery: Floating holder comes with Hi-Q®/ER clamping nut and wrench



PH/ER

PHC floating chucks for coolant through tools

PHC

Type	Part no.	Dimensions [mm]					Accessory	
		D	D1 h6	D2	L	L1	G	Wrench
PHC 5/8 [inch]								
PHC 5/8" /ER 20	2616.92004	33	15.88	56	53.5	38	1	E 20 AX
PHC 16								
PHC 16/ER 20	2616.92003	33	16	56	53.5	38	1	E 20 AX
PHC 3/4 [inch]								
PHC 3/4" /ER 20	2619.92004	33	19.05	56	53.5	38	1	E 20 AX
PHC 3/4" /ER 32	2619.93204	46	19.05	70	64.5	46	1.5	E 32 AX
PHC 20 [mm]								
PHC 20/ER 20	2620.92003	33	20	56	53.5	38	1	E 20 AX
PHC 20/ER 32	2620.93203	46	20	70	64.5	46	1.5	E 32 AX
PHC 22 [mm]								
PHC 22/ER 20	2622.92003	33	22	56	53.5	38	1	E 20 AX
PHC 22/ER 32	2622.93203	46	22	70	64.5	46	1.5	E 32 AX
PHC 25 [mm]								
PHC 25/ER 20	2625.92003	33	25	56	53.5	38	1	E 20 AX
PHC 25/ER 32	2625.93203	46	25	70	64.5	46	1.5	E 32 AX
PHC 1 [inch]								
PHC 1" /ER 20	2625.92004	33	25.4	56	53.5	38	1	E 20 AX
PHC 1" /ER 32	2625.93204	46	25.4	70	64.5	46	1.5	E 32 AX
PHC 1 1/4 [inch]								
PHC 1 1/4" /ER 32	2632.93204	46	31.75	70	64.5	46	1.5	E 32 AX
PHC 32 [mm]								
PHC 32/ER 32	2632.93203	46	32	70	64.5	46	1.5	E 32 AX
PHC 1 3/4 [inch]								
PHC 1 3/4" /ER 32	2644.93204	46	44.45	70	64.5	46	1.5	E 32 AX

Included in delivery: Floating holder comes with Hi-Q®/ERAX clamping nut, wrench and adjusting key

Expert advice

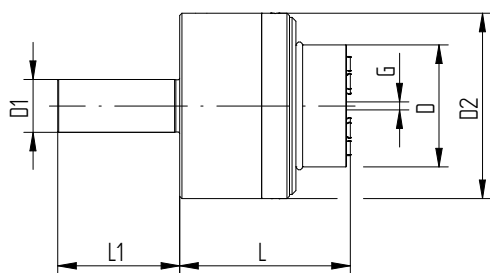
When using coolant through tools please order Hi-Q®/ERAXC clamping nuts and the corresponding sealing disks.

PHC floating chucks for coolant through tools with REGO-FIX CAPTO interface

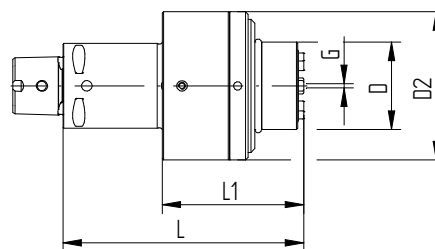
PHC-C

Type	Part no.	Dimensions [mm]				G	Accessory
		D	D2	L	L1		Wrench
PHC-C3							
PHC-C3/ER 20	2803.92003	33	56	91	53.5	0.8	E 20 AX
PHC-C4							
PHC-C4/ER 20	2804.92003	33	56	91	56.5	0.8	E 20 AX
PHC-C4/ER 32	2804.93203	46	70	100	64	0.8	E 32 AX

Included in delivery: Floating holder comes with Hi-Q®/ERAX clamping nut and wrench



PHC/ER



PHC-C/ER

Certified REGO-FIX CAPTO – licensed by Sandvik Coromant – is manufactured at REGO-FIX Switzerland under license according to CAPTO specifications.