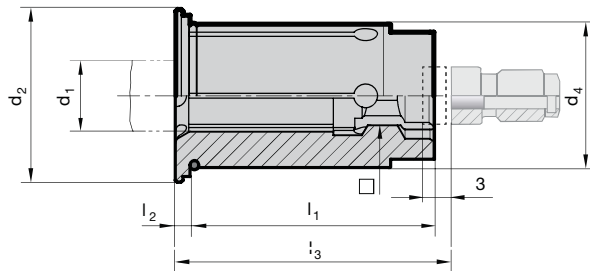


Product information

- for clamping taps with square shank in GÜHROSync synchro tapping chucks
- clamping-Ø for tool shank tolerance h6-h9
- face side closed, therefore coolant leak-proof for threading tools with IC
- positive drive
- position setting screw on tap shank
- length-setting screw allows 3 mm readjustment

Scope of delivery

- order setting screw "face" Series no. 4364 separately
- order MQL setting screws Series no. 4305 separately



Tapping chucks

Series no. 4605

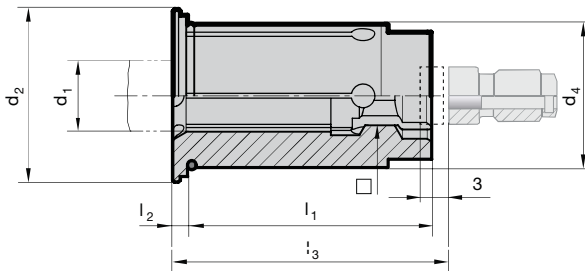
d ₃ mm	d ₁ mm	□ mm	Standard	d ₁ inch	□ inch	d ₂ mm	l ₁ mm	l ₂ mm	l ₃ mm	for adjustment screw	for thread	Code no.	EDP Number
12.00	2.800	2.100	DIN	-	-	16.50	29.00	2.00	-	-	M2/M2.2/M2.5 / M4	2.812	9046050028120
12.00	3.500	2.700	DIN	-	-	16.50	29.00	2.00	-	-	M3 / M4.5 / M5	3.512	9046050035120
12.00	4.000	3.200	JIS	-	-	16.50	29.00	2.00	-	-	M3 / M3.5	4.012	9046050040120
12.00	4.500	3.400	DIN	-	-	16.50	29.00	2.00	26.00	4364 5.020	M4 / M6	4.512	9046050045120
12.00	4.928	3.861	ANSI	0.194	0.152	16.50	29.00	2.00	26.00	4364 5.020	10-24 & 10-32	4.912	9046050049120
12.00	5.000	4.000	JIS	-	-	16.50	29.00	2.00	26.00	4364 5.020	M4 / M4.5 / M5	5.012	9046050050120
12.00	5.500	4.500	JIS	-	-	16.50	29.00	2.00	26.00	4364 5.020	M5	5.512	9046050055120
12.00	5.588	4.191	ANSI	0.220	0.165	16.50	29.00	2.00	26.00	4364 5.020	12-24 & 12-28	15.512	9046050155120
12.00	6.000	4.500	JIS	-	-	16.50	29.00	2.00	26.00	4364 6.020	M6	16.012	9046050160120
12.00	6.000	4.900	DIN	-	-	16.50	29.00	2.00	26.00	4364 6.020	M4.5/M5/M6/M7/M8	6.012	9046050060120
12.00	6.200	5.000	JIS	-	-	16.50	29.00	2.00	26.00	4364 6.020	M7 / M8	6.212	9046050062120
12.00	6.477	4.851	ANSI	0.255	0.191	16.50	29.00	2.00	26.00	4364 6.020	1/4-20 & 1/4-28	6.412	9046050064120
12.00	7.000	5.500	DIN / JIS	-	-	16.50	29.00	2.00	26.00	4364 7.020	M7 / M9 / M10	7.012	9046050070120
12.00	7.938	5.944	ANSI	0.3125	0.234	16.50	29.00	2.00	31.00	4364 8.020	1/16-27 / 1/8-27	7.912	9046050079120
12.00	8.000	6.200	DIN	-	-	16.50	29.00	2.00	31.00	4364 8.020	M8 / M11	8.012	9046050080120
12.00	8.000	6.500	JIS	-	-	16.50	29.00	2.00	31.00	4364 8.020	M11	18.012	9046050180120
12.00	8.077	6.045	ANSI	0.318	0.238	16.50	29.00	2.00	31.00	4364 8.020	5/16-18 & 5/16-24	28.012	9046050280120
12.00	8.204	6.147	ANSI	0.323	0.242	16.50	29.00	2.00	31.00	4364 8.020	7/16-14 & 7/16-20	8.212	9046050082120
12.00	8.500	6.500	JIS	-	-	16.50	29.00	2.00	31.00	4364 8.020	M12	8.512	9046050085120
12.00	9.000	7.000	DIN	-	-	16.50	29.00	2.00	32.00	4364 9.020	M9 / M12	9.012	9046050090120
12.00	9.322	6.985	ANSI	0.367	0.275	16.50	29.00	2.00	32.00	4364 9.020	1/2-13 & 1/2-20	9.312	9046050093120
12.00	9.677	7.264	ANSI	0.381	0.286	16.50	29.00	2.00	33.00	4364 9.020	3/8-16 & 3/8-24	9.612	9046050096120
12.00	10.000	8.000	DIN	-	-	16.50	29.00	2.00	36.00	4364 10.020	M10	10.012	9046050100120

Product information

- for clamping taps with square shank in GÜHROSynchro tapping chucks
- clamping-Ø for tool shank tolerance h6-h9
- face side closed, therefore coolant leak-proof for threading tools with IC
- positive drive
- position setting screw on tap shank
- length-setting screw allows 3 mm readjustment

Scope of delivery

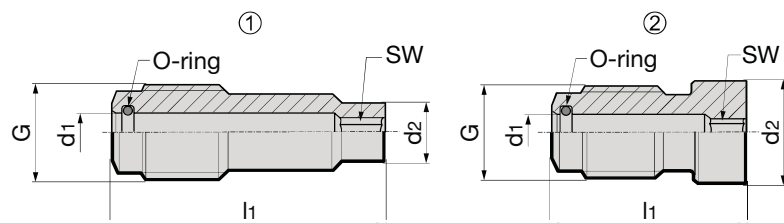
- order setting screw "face" Series no. 4364 separately
- order MQL setting screws Series no. 4305 separately

Series no. **4605**

d ₃ mm	d ₁ mm	□ mm	Standard	d ₁ inch	□ inch	d ₂ mm	l ₁ mm	l ₂ mm	l ₃ mm	for adjustment screw	for thread	Code no.	EDP Number
20.00	6.000	4.500	JIS	-	-	24.10	34.00	2.00	26.00	4364 6.032	M6	26.020	9046050260200
20.00	6.000	4.900	DIN	-	-	24.10	34.00	2.00	26.00	4364 6.032	M4.5/M5/M6/M7/M8	6.020	9046050060200
20.00	6.200	5.000	JIS	-	-	24.10	34.00	2.00	26.00	4364 6.032	M7 / M8	6.220	9046050062200
20.00	6.477	4.851	ANSI	0.255	0.191	24.10	34.00	2.00	26.00	4364 6.032	1/4-20 & 1/4-28	6.420	9046050064200
20.00	7.000	5.500	DIN / JIS	-	-	24.10	34.00	2.00	26.00	4364 7.032	M7 / M9 / M10	7.020	9046050070200
20.00	7.938	5.944	ANSI	0.3125	0.234	24.10	34.00	2.00	31.00	4364 8.032	1/16-27 / 1/8-27	7.920	9046050079200
20.00	8.000	6.200	DIN	-	-	24.10	34.00	2.00	31.00	4364 8.032	M8 / M11	8.020	9046050080200
20.00	8.000	6.500	JIS	-	-	24.10	34.00	2.00	31.00	4364 8.032	M11	18.020	9046050180200
20.00	8.077	6.045	ANSI	0.318	0.238	24.10	34.00	2.00	31.00	4364 8.032	5/16-18 & 5/16-24	28.020	9046050280200
20.00	8.204	6.147	ANSI	0.323	0.242	24.10	34.00	2.00	31.00	4364 8.032	7/16-14 & 7/16-20	8.220	9046050082200
20.00	8.500	6.500	JIS	-	-	24.10	34.00	2.00	31.00	4364 8.032	M12	8.520	9046050085200
20.00	9.000	7.000	DIN	-	-	24.10	34.00	2.00	32.00	4364 9.032	M9 / M12	9.020	9046050090200
20.00	9.322	6.985	ANSI	0.367	0.275	24.10	34.00	2.00	32.00	4364 9.032	1/2-13 & 1/2-20	9.320	9046050093200
20.00	9.677	7.264	ANSI	0.381	0.286	24.10	34.00	2.00	33.00	4364 9.032	3/8-16 & 3/8-24	9.620	9046050096200
20.00	10.000	8.000	DIN	-	-	24.10	34.00	2.00	36.00	4364 10.032	M10	10.020	9046050100200
20.00	10.500	8.000	JIS	-	-	24.10	34.00	2.00	36.00	4364 10.032	M14	10.520	9046050105200
20.00	10.897	8.179	ANSI	0.429	0.322	24.10	34.00	2.00	35.00	4364 10.032	9/16-12 & 9/16-18	10.820	9046050108200
20.00	11.000	9.000	DIN	-	-	24.10	34.00	2.00	37.00	4364 11.032	M14	11.020	9046050110200
20.00	12.000	9.000	DIN	-	-	24.10	34.00	2.00	37.00	4364 11.032	M16	12.020	9046050120200
20.00	12.192	9.144	ANSI	0.480	0.360	24.10	34.00	2.00	36.00	4364 11.032	5/8-11 & 5/8-18	12.120	9046050121200
20.00	12.500	10.000	JIS	-	-	24.10	34.00	2.00	38.00	4364 11.032	M16	12.520	9046050125200
20.00	13.000	10.000	JIS	-	-	24.10	34.00	2.00	38.00	4364 11.032	M17	13.020	9046050130200
20.00	14.000	11.000	DIN / JIS	-	-	24.10	34.00	2.00	39.00	4364 14.032	M18	14.020	9046050140200
20.00	14.288	10.693	ANSI	0.5625	0.421	24.10	34.00	2.00	38.00	4364 14.032	1/4-18	14.220	9046050142200
20.00	14.986	11.227	ANSI	0.590	0.442	24.10	34.00	2.00	39.00	4364 14.032	3/4-10 & 3/4-16	14.920	9046050149200
20.00	15.000	12.000	JIS	-	-	24.10	34.00	2.00	40.00	4364 16.032	M20	15.020	9046050150200
20.00	16.000	12.000	DIN	-	-	24.10	34.00	2.00	41.00	4364 16.032	M20	16.020	9046050160200

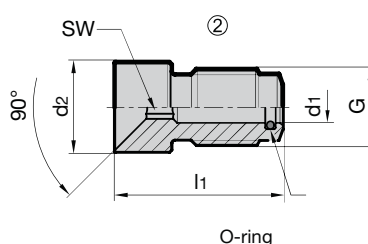
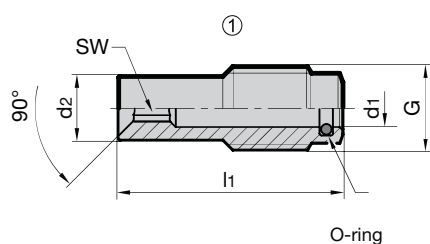
Scope of delivery

- with O-ring for secure seal

GM 300 **GUHRING** 91

- MQL setting screws with internal cone
- for MQL single and double channel systems
- for MQL taps with external cone
- for MQL hydrosynchro tapping chucks
Series no. 4602, 4603 4604 und 4524
- for MQL synchro tapping chucks
Series no. 4298, 4330 und 4341
- position setting screw on tap shank
- length-setting screw allows 3 mm readjustment
with hexagon chuck key Series no. 4912, type „B“

- with O-ring for secure seal

146 **GUHRING** GM 300

GÜHRO Sync



TAPPING CHUCKS

GÜHROSYNC

THE EASY WAY
TO THE PERFECT THREAD

Metalic spring for axial suspension

Torsional damper

Hydraulic chuck

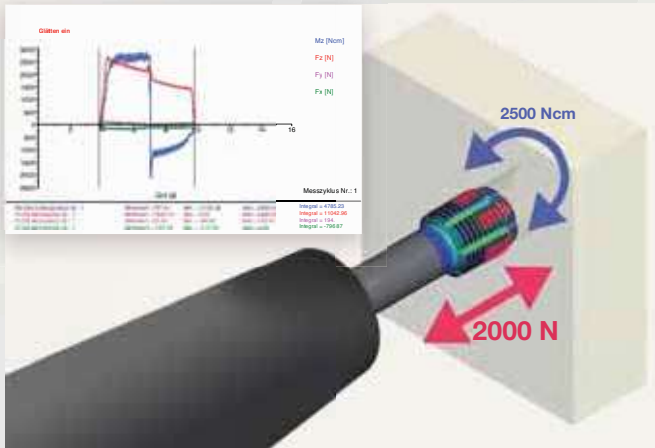
Polymer ring for axial damping

Reduction sleeve

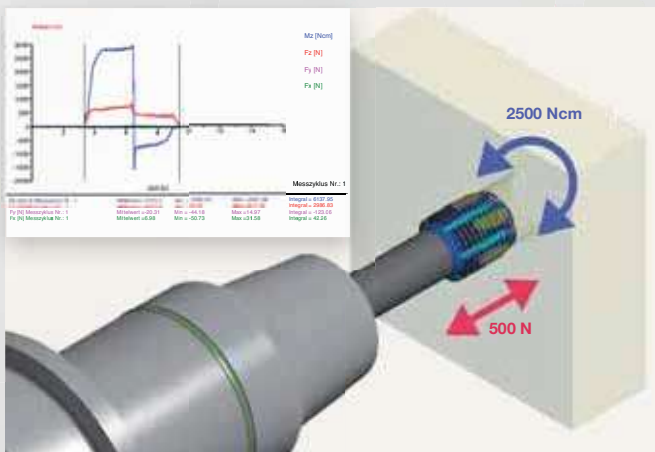
Intelligent design:

as well as the suspension and damping elements in the slender GÜHROSync chucks (for the reduction of axial and radial forces during the tapping process) there is also room for the supply set for MQL or conventional cooling lubrication and the length setting screw.

The optimal combination of long-life metal spring and polymer damping elements considerably reduces axial and radial forces



Rigid chuck

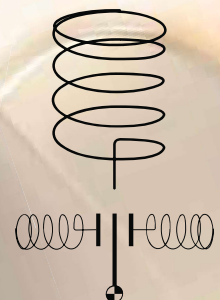


GÜHROSsync

➔ **IMPROVED
TOOL LIFE**

➔ **IMPROVED THREAD
QUALITY**

➔ **GREATER PROCESS
RELIABILITY**



GÜHRING

Made visible:
The spring symbol on the GÜHROSsync displays the effect of axial and radial force.

Configuration of GÜHROSync synchro tapping chucks with straight shank for internal cooling

GÜHROSync

Hydraulic synchro tapping chucks with increased clamping force

Shrink fit chucks

4736 HSK-A

4221 MAS-BT

4726 TSG 3000 HSK-A

4299 HSK-A

4758 HSK-C

4267 HSK-C

4738 SK taper

4213 SK taper

4949 Coolant supply set
HSK-A for
conventional cooling



Hydraulic synchro tapping chucks

4601 HSK-A

Hydraulic synchro tapping chucks

4576 SK taper

Hydraulic synchro tapping chucks

4577 MAS-BT



4525

Hydro-Ø 12 / Ø 20
Cylindrical hydraulic synchro tapping chucks Ø 20 with internal cooling



4364

Setting screws "face" synchro tapping chucks, with conventional int. cooling



4605

Reduction bush sealed

4606

GÜHROJET reduction bush



Threading tool:
shank diameter x square