

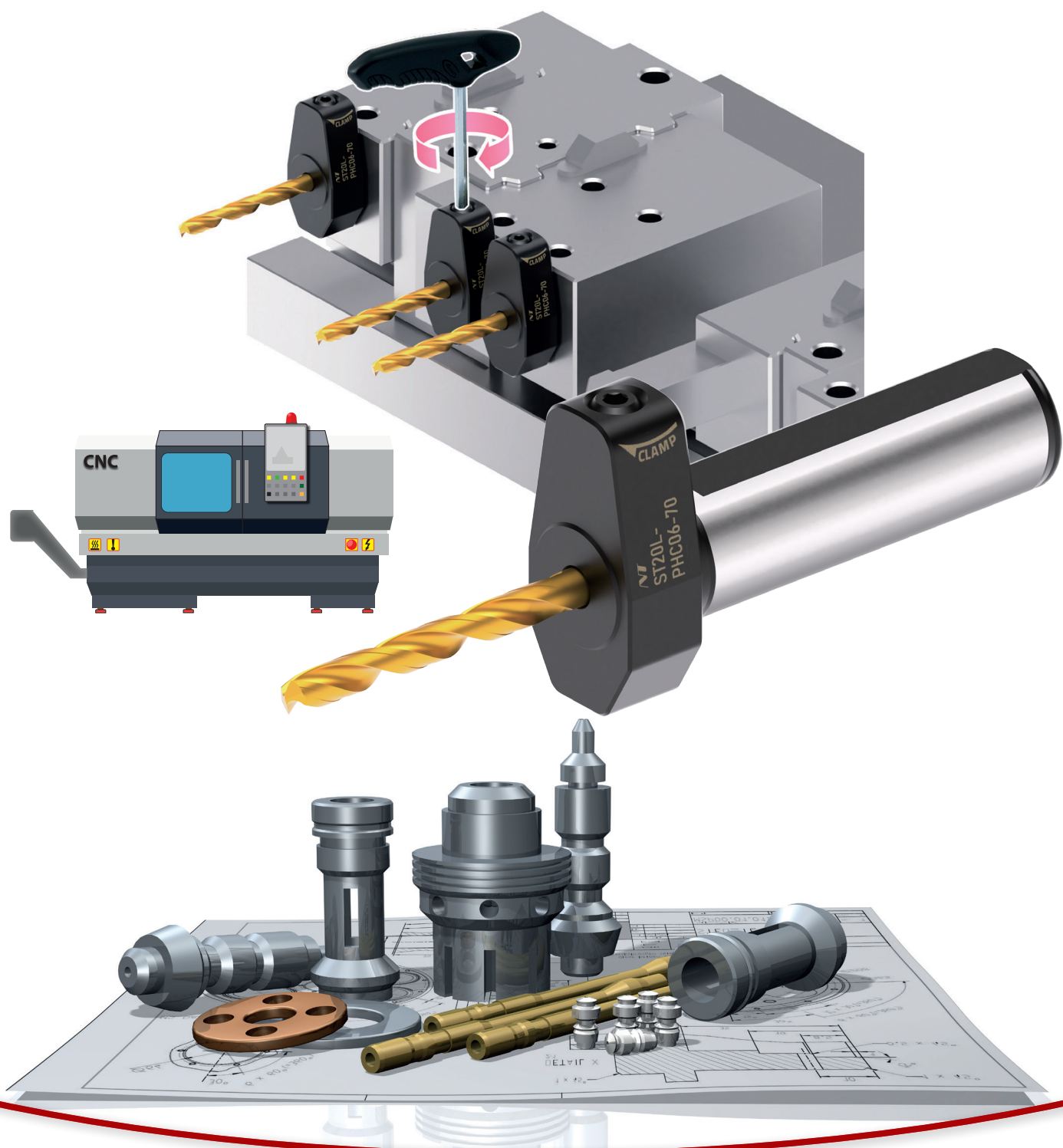


ST•L-PHC

NEW

Hydro-TURNLine für CNC-Drehmaschinen

Hydro-TURNLine for CNC automatic lathe



made by  **NT TOOL**
www.nttooleurope.com

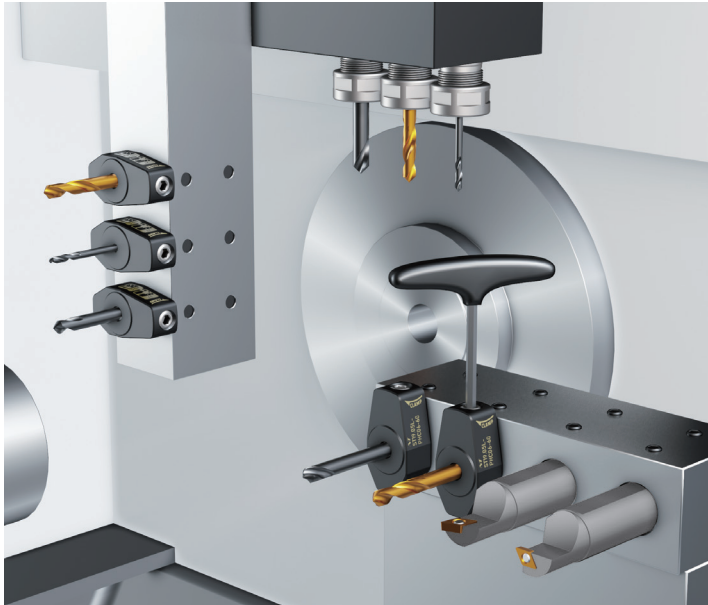
NT TOOL EUROPE GmbH | Siemensstrasse 17A | D-61449 Steinbach | +49 (0)6171 91639-0 | info@nttooleurope.com



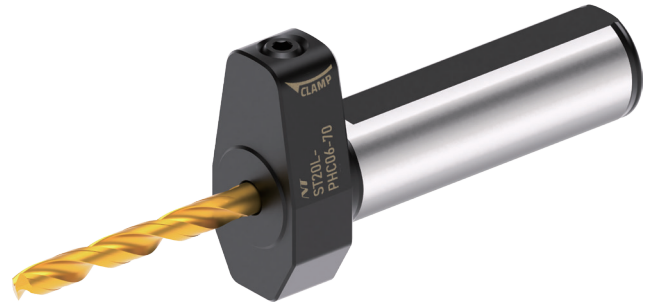
ST·L-PHC

NEW

Hydro-TURNLine für CNC-Drehmaschinen
Hydro-TURNLine for CNC automatic lathe



Mehr Produktivität für Ihre Drehmaschine
More productivity for your lathe machine



Schaftauswahl | shank size

ST16L, ST19.05L, ST20L
ST22L, ST25L, ST25.4L

Spannbereich | clamping range

ø3.0 ~ ø12.0 mm

Anwendungsbeispiel:

Rüstzeit um 80 % reduziert

Application example:

set up time has been reduced by 80%!

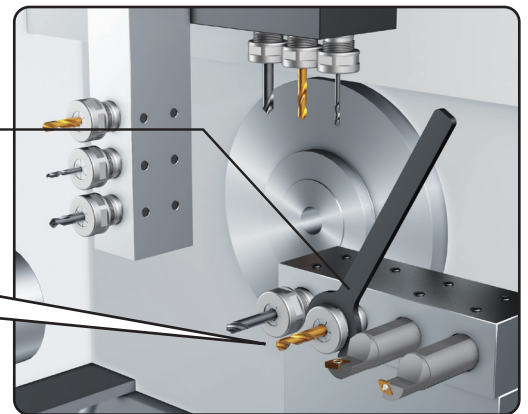
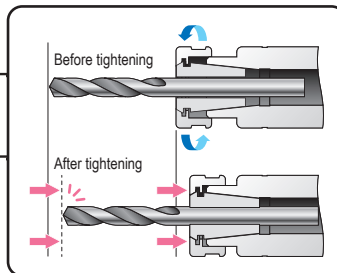
Vorher: Spannzangenaufnahme

Before: Collet Holder

Rüstzeit

Set-up time **8 min 43 sec**

- ✗ **Umständliches Werkzeughandling**
Tool change is difficult in tight spaces
- ✗ **erhöhter Rüstaufwand durch Höhenversatz**
Tool pre-set with height offset
- ✗ **keine wiederholgenaue Werkzeugspannung**
Accuracy varies between tool changes

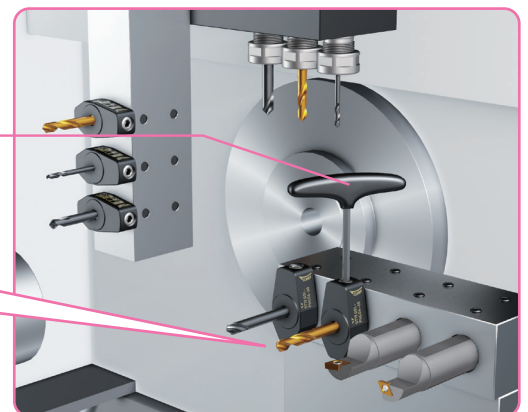
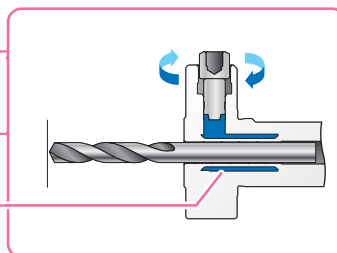


HYDRO-TURNLine

Rüstzeit

Set-up time **1 min 38 sec**

- ✓ **einfaches Spannhandling**
Easy chucking with a single wrench
- ✓ **Voreinstellung ohne Höhenversatz**
Tool pre-set without height offset
- ✓ **Wiederholgenauigkeit**
Good repeatability (1 µm)
- ✓ **erhöhte Standzeit durch Vibrationsdämpfung**
Anti-vibration effect provides longer tool life





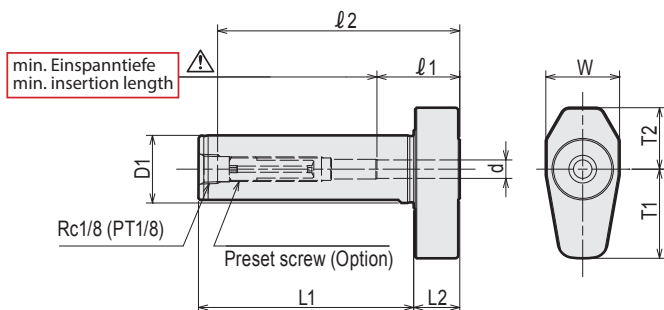
ST·L-PHC

NEW

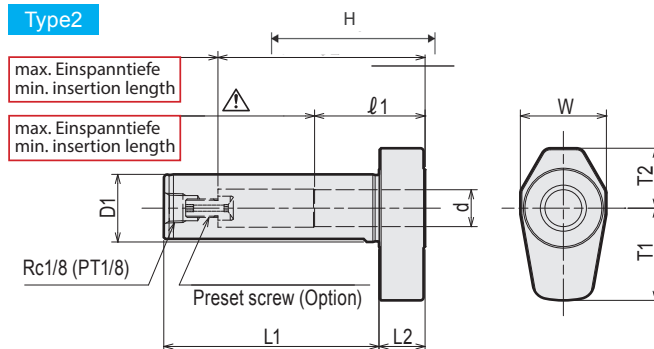
Hydro-TURNLine für CNC-Drehmaschinen

Hydro-TURNLine for CNC automatic lathe

Type1



Type2



Tol.
h6



Halter Holder	Type	d	D1	L1	L2	W	T1	T2	ℓ1	ℓ2	
ST16L -PHC03 -50	1	3	16	50	15	22	23	17.5	16	58	L-4T
-PHC04 -50	1	4	16	50	15	22	23	17.5	19	58	
-PHC06 -50	1	6	16	50	15	22	24.5	18.5	27	58	
-PHC08 -50	2	8	16	50	15	24	25.5	19.5	27	47	
ST19.05L -PHC03 -60	1	3	19.05	60	15	22	23	17.5	16	68	L-4T
-PHC04 -60	1	4	19.05	60	15	22	23	17.5	19	68	
-PHC06 -60	1	6	19.05	60	15	22	24.5	18.5	27	68	
-PHC08 -60	2	8	19.05	60	15	24	25.5	19.5	27	57	
-PHC10 -60	2	10	19.05	60	15	26	26.5	20.5	33	60	L-4T
ST20L -PHC03 -70	1	3	20	70	15	22	23	17.5	16	78	
-PHC04 -70	1	4	20	70	15	22	23	17.5	19	78	
-PHC06 -70	1	6	20	70	15	22	24.5	18.5	27	78	
-PHC08 -70	2	8	20	70	15	24	25.5	19.5	27	64	L-4T
-PHC10 -70	2	10	20	70	15	26	26.5	20.5	33	67	
ST22L -PHC03 -70	1	3	22	70	15	24	23	17.5	16	78	
-PHC04 -70	1	4	22	70	15	24	23	17.5	19	78	
-PHC06 -70	1	6	22	70	15	24	24.5	18.5	27	78	L-4T
-PHC08 -70	2	8	22	70	15	24	25.5	19.5	27	64	
-PHC10 -70	2	10	22	70	15	26	26.5	20.5	33	67	
-PHC12 -70	2	12	22	70	15	28	29	21.5	36	67	
ST25L -PHC03 -70	1	3	25	70	15	28	23	17.5	16	78	L-4T
-PHC04 -70	1	4	25	70	15	28	23	17.5	19	78	
-PHC06 -70	1	6	25	70	15	28	24.5	18.5	27	78	
-PHC08 -70	2	8	25	70	15	28	25.5	19.5	27	64	
-PHC10 -70	2	10	25	70	15	28	26.5	20.5	33	67	L-4T
-PHC12 -70	2	12	25	70	15	28	29	21.5	36	67	
ST25.4L -PHC03 -70	1	3	25.4	70	15	28	23	17.5	16	78	
-PHC04 -70	1	4	25.4	70	15	28	23	17.5	19	78	
-PHC06 -70	1	6	25.4	70	15	28	24.5	18.5	27	78	L-4T
-PHC08 -70	2	8	25.4	70	15	28	25.5	19.5	27	64	
-PHC10 -70	2	10	25.4	70	15	28	26.5	20.5	33	67	
-PHC12 -70	2	12	25.4	70	15	28	29	21.5	36	67	

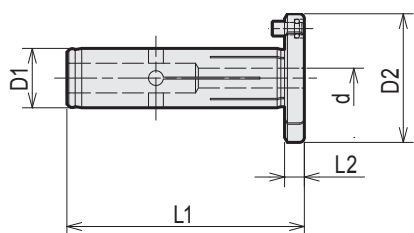
⚠ ACHTUNG: beachten Sie die Mindesteinspanntiefe

⚠ CAUTION: Strictly keep the min insertion length.

Bestellbeispiel | Ordering Example

ST16L - PHC03 - 50

Spannhülsen für PHC12 | Straight Collets for PHC12



Halter Holder	Hülse Collet	D1	D2	L1	L2	d
PHC12	PHS12 - d - OH	12	26	48	4	03, 04, 05, 06, 07, 08, 09, 10
	PHS12 - d - C	12	26	48	4	03, 04, 05, 06, 07, 08, 09

PHS-OH: für innere Kühlmittelzufuhr | for inner coolant

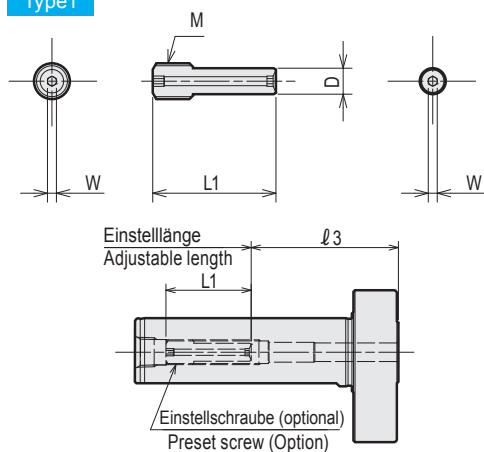
PHS-C: für periphere Kühlmittelzufuhr | for side-through coolant

Spannhülsen nicht mit Einstellschrauben einsetzbar

Collets cannot be used with Preset Screws

Einstellschrauben | Preset Screw

Type1

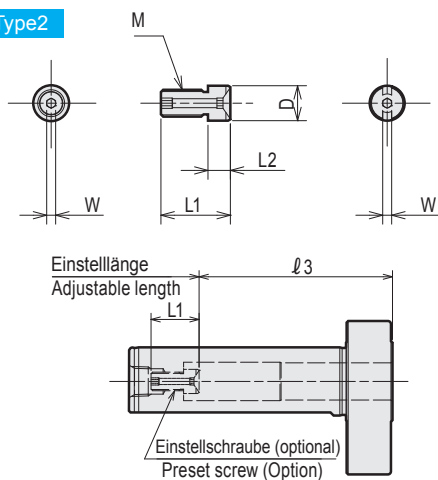


Schraube Screw	Type	L1	L2	D	W	M	Halter Holder
PHCL-P04-27.5	1	27.5	—	3.8	2	M8 P=1.25	PHC03 PHC04
PHCL-P06-27.5	1	27.5	—	5.8	2		PHC06
PHCL-P08-15.5	2	15.5	5	7.8	2		M6 P=1.0
PHCL-P08-20.5	2	20.5	10	7.8	2		
PHCL-P08-25.5	2	25.5	15	7.8	2		
PHCL-P08-30.5	2	30.5	20	7.8	2		
PHCL-P08-35.5	2	35.5	25	7.8	2		
PHCL-P08-40.5	2	40.5	30	7.8	2		PHC08 PHC10 PHC12

Bestellbeispiel | Ordering Example

PHCL - P04 - 27.5

Type2



Einstelllänge | Adjustment amount

Einstellschraube Model Preset screw model	passend für Matched chuck	Type	L1	ℓ3
PHCL-P04-27.5	ST16L - PHC03 - 50	1	27.5	17 ~ 30
	- PHC04 - 50	1	27.5	19 ~ 30
	ST19.05L - PHC03 - 60	1	27.5	17 ~ 40
	- PHC04 - 60	1	27.5	19 ~ 40
	ST20L - PHC03 - 70	1	27.5	17 ~ 50
	- PHC04 - 70	1	27.5	19 ~ 50
	ST22L - PHC03 - 70	1	27.5	17 ~ 50
	- PHC04 - 70	1	27.5	19 ~ 50
	ST25L - PHC03 - 70	1	27.5	17 ~ 50
	- PHC04 - 70	1	27.5	19 ~ 50
	ST25.4L - PHC03 - 70	1	27.5	17 ~ 50
	- PHC04 - 70	1	27.5	19 ~ 50
PHCL-P06-27.5	ST16L - PHC06 - 50	1	27.5	27 ~ 30
	ST19.05L - PHC06 - 60	1	27.5	27 ~ 40
	ST20L - PHC06 - 70	1	27.5	27 ~ 50
	ST22L - PHC06 - 70	1	27.5	27 ~ 50
	ST25L - PHC06 - 70	1	27.5	27 ~ 50
	ST25.4L - PHC06 - 70	1	27.5	27 ~ 50

Schraube Screw	passend für Matched chuck	Type	Einstelllänge Adjustment amount = ℓ3					
			L1 =15.5	L1 =20.5	L1 =25.5	L1 =30.5	L1 =35.5	L1 =40.5
PHCL-P08- L1	ST16L - PHC08 - 50	2	35 ~ 42	30 ~ 37	27 ~ 32	—	—	—
	ST19.05L - PHC08 - 60	2	45 ~ 52	40 ~ 47	35 ~ 42	30 ~ 37	27 ~ 32	—
	- PHC10 - 60	2	49 ~ 52	44 ~ 47	39 ~ 42	34 ~ 37	—	—
	ST20L - PHC08 - 70	2	52 ~ 59	47 ~ 54	42 ~ 49	37 ~ 44	32 ~ 39	27 ~ 34
	- PHC10 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	33 ~ 37
	ST22L - PHC08 - 70	2	52 ~ 59	47 ~ 54	42 ~ 49	37 ~ 44	32 ~ 39	27 ~ 34
	- PHC10 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	33 ~ 37
	- PHC12 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	—
	ST25L - PHC08 - 70	2	52 ~ 59	47 ~ 54	42 ~ 49	37 ~ 44	32 ~ 39	27 ~ 34
	- PHC10 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	33 ~ 37
	- PHC12 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	—
	ST25.4L - PHC08 - 70	2	52 ~ 59	47 ~ 54	42 ~ 49	37 ~ 44	32 ~ 39	27 ~ 34
	- PHC10 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	33 ~ 37
	- PHC12 - 70	2	56 ~ 62	51 ~ 57	46 ~ 52	41 ~ 47	36 ~ 42	—