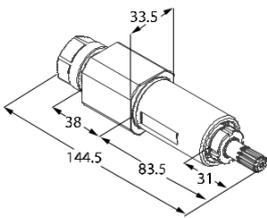


HANWHA machines

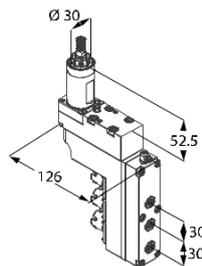


Cross drilling/milling unit

HWDA116201

Tool clamping: ER16A

Speed ratio: 1:1



3 spindle drilling/milling unit

HWDA2A3201

Tool clamping: ER16M

Speed ratio: 1:1

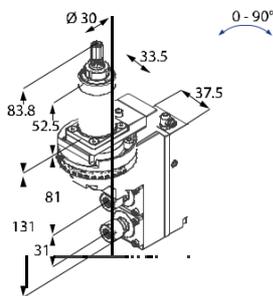


3 spindle double drilling/milling unit

HWDA2B3202

Tool clamping: ER16M/ER11M

Speed ratio: 1:1

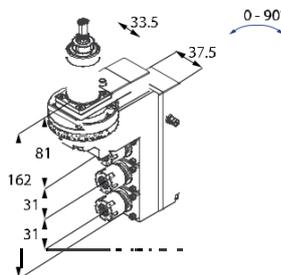


2 spindle drilling/milling unit

HWDA2A2203

Tool clamping: ER11M

Speed ratio: 1:1

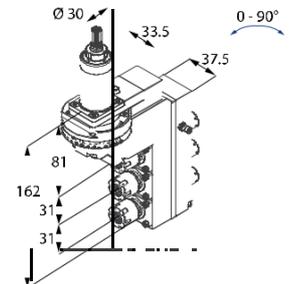


3 spindle drilling/milling unit

HWDA2A3202

Tool clamping: ER16M

Speed ratio: 1:1

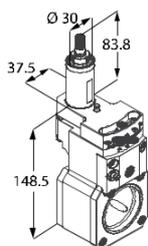


3 spindle double drilling/milling unit

HWDA2B3204

Tool clamping: ER16M / ER11M

Speed ratio: 1:1



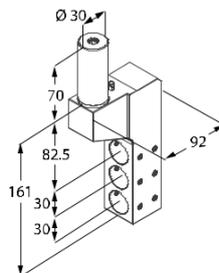
Thread whirling unit

HWDA545205

Tool clamping: GL501-TSS260100

Speed ratio: 1:1

[See page 40 for whirling head](#)

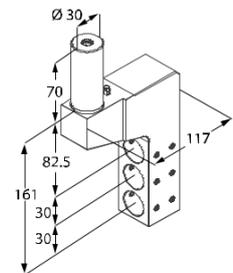


Boring bar holder

HWDA803201

Tool clamping: Ø25

Speed ratio: _

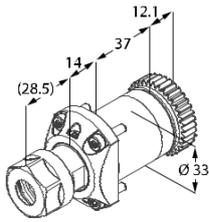


Boring bar holder

HWDA803202

Tool clamping: Ø25

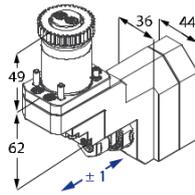
Speed ratio: _



**Drilling/milling unit
for sub spindle**

HWDB116201

Tool clamping: ER16A
Speed ratio: 1:1



**Cross drilling/milling unit
for sub spindle**

HWDB311201

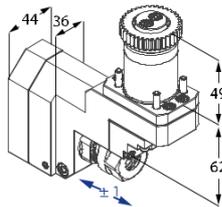
Tool clamping: ER11A
Speed ratio: 1:0.55



**Cross drilling/milling unit
for sub spindle**

HWDB311202

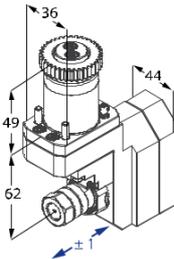
Tool clamping: ER11A
Speed ratio: 1:1



**Cross drilling/milling unit
for sub spindle**

HWDB316202

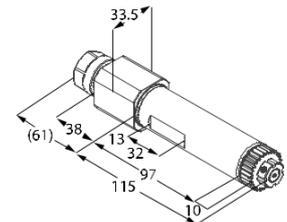
Tool clamping: ER16A
Speed ratio: 1:0.55



**Slotting unit
for sub spindle**

HWDB700201

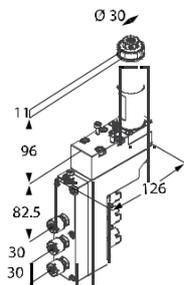
Tool clamping: Ø5/6/8/10/12.7/13xØ50
Speed ratio: 1:0.55



Cross drilling/milling unit

HWDA116202

Tool clamping: ER16A
Speed ratio: 1:1



**3 spindle double
drilling/milling unit**

HWDA2B3207

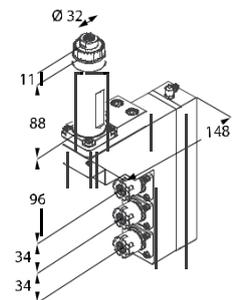
Tool clamping: ER16M/ER11M
Speed ratio: 1:1



**3 spindle double
drilling/milling unit**

HWDA2B3208

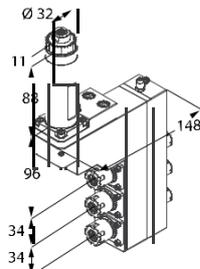
Tool clamping: ER11M/ER8M
Speed ratio: 1:1



**3 spindle
drilling/milling unit**

HWDA2A3302

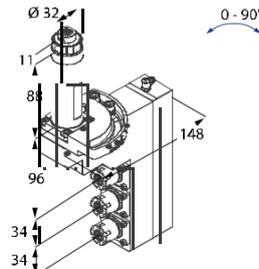
Tool clamping: ER16M
Speed ratio: 1:1



**3 spindle double
drilling/milling unit**

HWDA2B3302

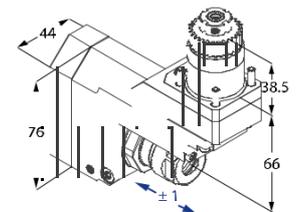
Tool clamping: ER16M/ER11M
Speed ratio: 1:1



**3 spindle
drilling/milling unit**

HWDA2A3301

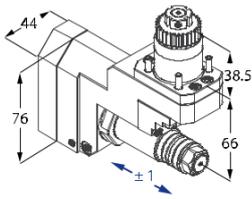
Tool clamping: ER16M
Speed ratio: 1:1



**Cross drilling/milling unit
for sub spindle**

HWDB316301

Tool clamping: ER16A
Speed ratio: 1:0.77



Slotting unit for sub spindle

HWDB700301

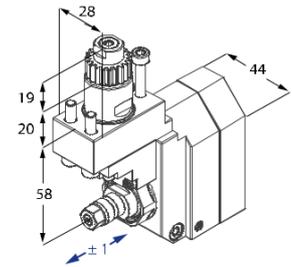
Tool clamping: Ø5/6/8/10/12.7/13xØ60
Speed ratio: 1:0.77



Slotting unit for sub spindle

HWDB700302

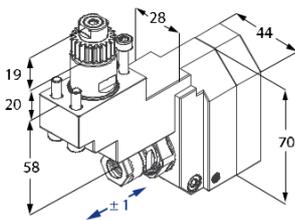
Tool clamping: Ø5/6/8/10/12.7/13xØ50
Speed ratio: 1:0.55



Slotting unit for sub spindle

HWDB700101

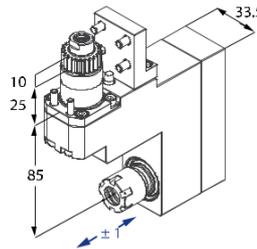
Tool clamping: Ø5/6/8/10/12.7/13xØ50
Speed ratio: 1:0.55



Cross drilling/milling unit for sub spindle

HWDB311101

Tool clamping: ER11A
Speed ratio: 1:0.55



Cross drilling/milling unit for sub spindle

HWDB316201

Tool clamping: ER16M
Speed ratio: 1:1

pag.	order-no.	operation	tool clamping	output	RPM max.	machine	other
37	HWDA116201	Cross drilling/milling unit	ER16A	1:1	8000	XD-20H	
37	HWDA2A3201	3 spindle drilling/milling unit	ER16M	1:1	6000	XD-20H	
37	HWDA2B3202	3 spindle double drilling/milling unit	ER16M/ER11M	1:1	6000	XD-20H	
37	HWDA2A2203	2 spindle drilling/milling unit	ER11M	1:1	8000	XD-20H	Adjustment ±90°
37	HWDA2A3202	3 spindle drilling/milling unit	ER16M	1:1	8000	XD-20H	Adjustment ±90°
37	HWDA2B3204	3 spindle double drilling/milling unit	ER16M/ER11M	1:1	8000	XD-20H	Adjustment ±90°
37	HWDA545205	Thread whirling unit	GL501-TSS260100	1:1	6000	XD-20H	Adjustment ±20°
37	HWDA803201	Boring bar holder	Ø25			XD-20H	
37	HWDA803202	Boring bar holder	Ø25			XD-20H	
38	HWDB116201	Drilling/milling unit for sub spindle	ER16A	1:1	8000	XD-20H	Adjustment ±20°
38	HWDB311201	Cross drilling/milling unit for sub spindle	ER11A	1:0.55	4000	XD-20H	Adjustment ±1mm
38	HWDB311202	Cross drilling/milling unit for sub spindle	ER11A	1:1	4000	XD-20H	Adjustment ±1mm
38	HWDB316202	Cross drilling/milling unit for sub spindle	ER16A	1:0.55	4000	XD-20H	Adjustment ±1mm
38	HWDB700201	Slotting unit for sub spindle	Ø5/6/8/10/12.7/13xØ50	1:0.55	4000	XD-20H	Saw od(max): Ø50mm, Adjustment ±1mm
38	HWDA116202	Cross drilling/milling unit	ER16A	1:1	6000	XD-20H II	
38	HWDA2B3207	3 spindle double drilling/milling unit	ER16M/ER11M	1:1	6000	XD-20H II	