

# ES - independently adjustable jaws



### APPLICATION

Optimized for the machining of irregularly shaped workpieces.

### TYPE

Geared scroll chuck in steel design with which irregularly shaped workpieces can be aligned via adjusting spindles.  
3-jaw and 4-jaw version.

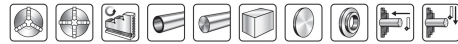
### CUSTOMER BENEFITS

- ⊕ Exact alignment of irregularly shaped workpieces
- ⊕ Jaws centrally clamping and individually adjustable
- ⊕ Die-forged spiral ring, series-balanced and hardened
- ⊕ Jaws in chuck ground out for concentricity

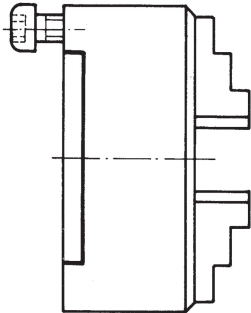
### TECHNICAL FEATURES

- With one set each of base and reversible jaws
- Clamping wrench
- Dimensions and mountings to DIN 6351
- Hardened spiral ring
- Die-forged steel body

ES = independently adjustable jaws, steel



A09  
DIN 6351, cylindrical centre mount, form A



Size	ZA	Through-hole mm	3-jaw chuck steel	4-jaw chuck steel	Torque Nm	Total clamping force kN
160	125	42	111360 ▲	111789 ▲	110	47
200	160	55	111365	111793	140	55
250	200	76	111370	111797	150	63
315	260	103	111375 ▲	111801	180	69
400	330	136	111380 ▲	111805 ▲	240	92
500	420	190	111385 ▲	111809 ▲	260	100
630	545	240	111390 ▲	111813 ▲	280	105

Further sizes and mountings available on request