

## ZG Hi-Tru



The ZG Hi-Tru hand-operated lathe chuck is most suitable for the production of components with top concentricity. It is for universal use, but particularly profitable for grinding machines, dividing apparatus and turning machines.

Handling is very simple. The clamped workpiece is adjusted to the required concentricity by means of 3 tangentially arranged adjusting spindles. Self-centering with the aid of scroll and pinion.

**Delivery includes:**

- 1 set of outward stepped jaws (BB) mounted in the chuck,
- 1 set of inward stepped jaws (DB),
- 1 operating key, mounting bolts

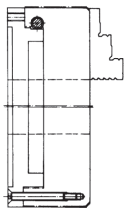
**Technical features:**

- with one set outside jaws and one set inside jaws
- with scroll
- with radial precision adjustment for top concentricity
- self-centering
- hardened adjusting spindles
- lathe chucks must be lubricated regularly to maintain their gripping force

**Customer advantage:**

- adjusting accuracy within 0.005 mm
- repeatability 0.015 mm
- induction hardened support surface for adjusting spindle
- steel adapter plate
- cast iron body
- precision adjustment without opening the mounting screws

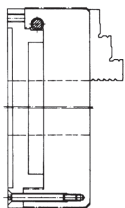
Tool group A09  
Type 306-00 **ZG Hi-Tru**,  
with one set outward stepped  
jaws and one set inward  
stepped jaws DIN 6350;  
cylindrical centre mount, Shape A



Item no.	Size	ZA	Through-hole	Speed max. min-1	Torque Nm	Total Clamping force kN
146195	80	56	19	5000	30	13
146196	100	70	20	4500	60	27
145118	125	95	32	4000	80	31
145119	160	125	42	3600	110	47
144749	200	160	55	3000	140	55
145120	250	200	76	2500	150	63
143545	315	260	103	2000	180	69

on request from size 125 with 6 jaws or with short-taper mount to DIN 55027 or DIN 55029 Camlock

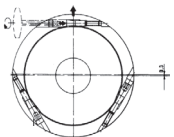
Tool group A09  
Type 306-04 **ZG Hi-Tru**,  
with special seal for  
grinding machines DIN 6350;  
cylindrical centre mount, Shape A



Item no.	Size	ZA	Speed max. min-1	Torque Nm	Total clamping force kN
146197	80	56	5000	30	13
146198	100	70	4500	60	27
144957	125	95	4000	80	31
145116	160	125	3600	110	47
145110	200	160	3000	140	55
145117	250	200	2500	150	63
146199	315	260	2000	180	69

on request from size 125 with 6 jaws or with short-taper mount to DIN 55027 or DIN 55029 Camlock

**DIN 6350**  
cylindrical centre mount, Shape A



Size A	Inch	B <sup>+0,02</sup>	C	D	F	G	SW	Weight
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**Typ 306-00 ZG Hi-Tru**, with 1 set each outward or inward stepped jaws

80	3 <sup>1/4</sup>	56	3	50,5	67	3xM6	4	1,7
100	4	70	3	63	83	3xM8	5	3,6
125	5	95	4	72	108	3xM8	5	5,6
160	6 <sup>1/4</sup>	125	4	81	140	3xM10	6	10
200	8	160	4	89,5	176	3xM10	6	17,2
250	10	200	5	102	224	3xM12	8	34,5
315	12 <sup>1/2</sup>	260	5	122	286	3xM16	8	57,5

Size A	Inch	B <sup>+0,02</sup>	C	D	F	G	SW	Weight
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**Typ 306-04 ZG Hi-Tru**, with special seal for grinding machines

80	3 <sup>1/4</sup>	56	3	50,5	67	3xM6	4	1,7
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