

ZOLLER-Tooling Solutions  
Collet chuck

**ZOLLER**  
expect great measures

# ER and ER »Mini«



# ZOLLER-Tooling Solutions

Werkzeug-Spannsysteme  
Tool Holding Systems

Spannzangenfutter ER & ER «Mini»  
Collet chuck ER & ER «Mini»



## Empfohlene Anzugsmomente für ER-Spannmuttern

## Recommended clamping torque for ER clamping nuts

Spann-Durchmesser / Clamping Diameter	ER 8	ER 11	ER 16	ER 20	ER 25	ER 32	ER 40	ER 11 «Mini»	ER 16 «Mini»	ER 20 «Mini»	ER 25 «Mini»
1,00	5 Nm	7 Nm	10 Nm	15 Nm	25 Nm			6 Nm	8 Nm	10 Nm	15 Nm
1,50	5 Nm	7 Nm	10 Nm	15 Nm	25 Nm			6 Nm	8 Nm	10 Nm	15 Nm
2,00	5 Nm	7 Nm	15 Nm	20 Nm	25 Nm	35 Nm		8 Nm	10 Nm	15 Nm	20 Nm
2,50	5 Nm	7 Nm	15 Nm	20 Nm	25 Nm	35 Nm		8 Nm	10 Nm	15 Nm	20 Nm
3,00	8 Nm	10 Nm	20 Nm	25 Nm	25 Nm	35 Nm	60 Nm	10 Nm	15 Nm	20 Nm	20 Nm
3,50	8 Nm	10 Nm	20 Nm	25 Nm	35 Nm	50 Nm	60 Nm	10 Nm	15 Nm	20 Nm	20 Nm
4,00	8 Nm	10 Nm	25 Nm	30 Nm	35 Nm	50 Nm	60 Nm	10 Nm	20 Nm	30 Nm	30 Nm
4,50	8 Nm	10 Nm	25 Nm	30 Nm	35 Nm	50 Nm	60 Nm	10 Nm	20 Nm	30 Nm	30 Nm
5,00	8 Nm	10 Nm	25 Nm	30 Nm	35 Nm	60 Nm	70 Nm	10 Nm	20 Nm	30 Nm	30 Nm
5,50		10 Nm	25 Nm	30 Nm	35 Nm	60 Nm	70 Nm	10 Nm	20 Nm	30 Nm	30 Nm
6,00		20 Nm	40 Nm	50 Nm	55 Nm	60 Nm	70 Nm	10 Nm	30 Nm	35 Nm	45 Nm
6,50		20 Nm	40 Nm	50 Nm	55 Nm	60 Nm	70 Nm	10 Nm	30 Nm	35 Nm	45 Nm
7,00		20 Nm	40 Nm	50 Nm	60 Nm	90 Nm	100 Nm	10 Nm	30 Nm	35 Nm	45 Nm
8,00			40 Nm	50 Nm	60 Nm	90 Nm	100 Nm		30 Nm	35 Nm	50 Nm
9,00			50 Nm	70 Nm	60 Nm	90 Nm	100 Nm		30 Nm	35 Nm	50 Nm
10,00			50 Nm	70 Nm		100 Nm	110 Nm		30 Nm	50 Nm	60 Nm
11,00				70 Nm		100 Nm	110 Nm			50 Nm	60 Nm
12,00				70 Nm		100 Nm	120 Nm			50 Nm	60 Nm
13,00				70 Nm		100 Nm	120 Nm			50 Nm	60 Nm
14,00						100 Nm	120 Nm				60 Nm
15,00						110 Nm	130 Nm				60 Nm
16,00						110 Nm	130 Nm				60 Nm
17,00						140 Nm	170 Nm				
18,00						140 Nm	170 Nm				
19,00						140 Nm	170 Nm				
20,00						140 Nm	170 Nm				
21,00							190 Nm				
22,00							190 Nm				
23,00							190 Nm				
24,00							190 Nm				
25,00							190 Nm				
26,00							190 Nm				

Beim „Schlichten“ Anzugsmoment um 30 % reduzieren, um den Prozess zu optimieren - bessere Dämpfungseigenschaft!

To optimize the finishing process please reduce the clamping torque by 30% - for better damping!



ZOLLER

# Solutions

More speed, higher quality, safe processes – with ZOLLER, you increase the efficiency of your production. ZOLLER offers you outstandingly precise devices for adjusting, measuring and testing cutting tools, software, interfaces, cloud services and solutions for the automation of tool processes. You can combine all of this to create your individual system solution – on your way to the smart factory.

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Headquarters in Pleidelsheim

E. ZOLLER GmbH & Co. KG

Tool presetter and measuring machines

Gottlieb-Daimler-Straße 19 | D-74385 Pleidelsheim

Phone: +49 7144 8970-0 | Fax: +49 7144 8970-701917

post@zoller.info | www.zoller.info