

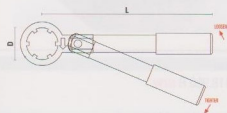
# Muttern für Spannzangen und dazugehörige Werkzeuge

## TORQUE WRENCHES

While setting a tool it is extremely important to tighten it appropriately.  
**If not effectively tight indeed a cutting tool could slide away from the tool holder during the working process.**  
**On the other side, an excessive tightening can cause damages to the tool holder or spring collet or the tool itself.**  
 The wrench indicates when the torque (Nm) is reached according to the value in the corresponding table.

## TORQUE WRENCHES FOR "MINI" NUTS

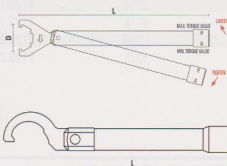
ART. Z052



Item	D	L	Nm	Threaded nut
Z052.704.N	35	185	40	ER25

## TORQUE WRENCHES FOR "STANDARD" NUTS

ART. Z052



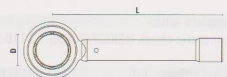
Dr. ① Collets as per drawing n. 1 must be tightened by setting the minimum torque value and rotating the handle counterclockwise.

Dr. ② Collets as per drawing n. 2 must be tightened by setting the maximum torque value and rotating the handle clockwise.

Item	D	L	Nm (Dr. 1)	Nm (Dr. 2)	Threaded nut
Z052.712.N	40	400	40-55	80-90	ER25
Z052.713.N	50	400	66-70	120-130	ER32
Z052.714.N	63	450	110-120	190-200	ER40
Z052.732.N	58-62	380	110-120	190-200	DIN6388

## TORQUE WRENCHES FOR "NO-NOISE" NUTS

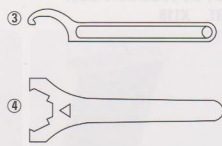
ART. Z052



Item	D	L	Nm (Dr. 1)	Nm (Dr. 2)	Threaded nut
Z052.790.N NEW	32	400	25-35	45-55	ER 16
Z052.793.N NEW	50	400	65-70	120-130	ER 32
Z052.795.N NEW	60	400	110-120	190-200	DIN 6388/EOC25

## KEYS

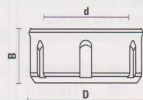
ART. Z052



Item	Draw.	Description	Threaded nut
Z052.300.N	3	Wrench 34/38	DIN6388/EOC12
Z052.301.N	3	Wrench 40/42	Z091.000.R
Z052.310.N	3	Wrench 58/62	DIN6388/EOC25
Z052.401.N	4	Wrench for collet nut ER 32 "standard" type	
Z052.402.N	4	Wrench for collet nut ER 40 "standard" type	
Z052.407.N	4	Wrench for collet nut ER 25 "standard" type	

## COLLET NUTS

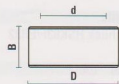
ART. Z091



Item	Type	D	B	d	Rot.
Z091.000.R	For spring collets Art. T117	40	20	M 30x1,5	RH
Z091.000.L	For spring collets Art. T117	40	20	M 30x1,5	LH
Z091.001.R	DIN 6499 (ER 32)	50	23	M 40x1,5	RH
Z091.001.L	DIN 6499 (ER 32)	50	23	M 40x1,5	LH
Z091.002.R	DIN 6499 (ER 40)	63	25	M 50x1,5	RH
Z091.002.L	DIN 6499 (ER 40)	63	25	M 50x1,5	LH
Z091.100.R	DIN 6499 (ER 25) ball bearing nut	42	20	M 32x1,5	RH
Z091.101.R	DIN 6499 (ER 32) ball bearing nut	50	26	M 40x1,5	RH
Z091.102.R	DIN 6499 (ER 40) ball bearing nut	63	29	M 50x1,5	RH
Z091.103.R	DIN 6499 (ER 25)	42	20	M 32x1,5	RH
Z091.104.R	DIN 6499 (ER 20)	35	19	M 25x1,5	RH
Z091.105.R	DIN 6499 (ER 16)	32	17,5	M 22x1,5	RH
Z091.202.R	DIN 6388 (EOC25)	60	30	M 48x2	RH
Z091.203.R	DIN 6388 (EOC25) ball bearing nut	60	30	M 48x2	RH
Z091.205.R	DIN 6388 (EOC12)	35	28	M 27x1,5	RH
Z091.301.R	ETS 32	50	23	M 40x1,5	RH
Z091.302.R	ETS 40	63	25	M 50x1,5	RH

## "NO-NOISE" COLLET NUTS

ART. Z091



- Recommended when using router bits working at higher RPM  
 - Threaded nut with ground contours, remarkable reduction of noise

Item	Type	D	B	d	Rot.
Z091.501.R NEW	DIN 6499 (ER 32)	50	23	M 40x1,5	RH
Z091.505.R NEW	DIN 6499 (ER 16)	32	17,5	M 22x1,5	RH
Z091.522.R NEW	DIN 6499 (EOC 25)	60	30	M 48x2	RH

You can find all spare parts in the section n. 10