

# VÖLKEĻ

THREADING SOLUTIONS ■ ■ ■





**Kontrolni navojni trni**  
**Precision Thread Plug Gauges**

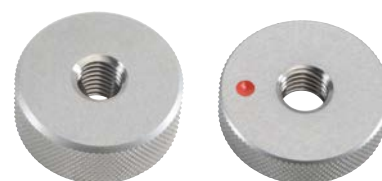


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**Kontrolni navojni obroči**  
**Precision Thread Ring Gauges**

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**Kompleti kontrolnih navojnih trnov**  
**Precision Thread Gauge Sets**

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**Kalibracijski servis navojnih kontrolnikov**  
**Calibration Service for Thread Gauges**

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## Kontrolni navojni trni

metrični ISO navoj DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Plug Gauge

metric ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**M**

Navoj Diameter D	Korak Pitch P	Mejni kontrolnik Plug Gauge <b>Tol. 6H</b>		Dober kontrolnik GO Plug Gauge <b>Tol. 6H</b>		Izmetni kontrolnik NO GO Plug Gauge <b>Tol. 6H</b>		Mejni kontrolnik DLC Plug Gauge DLC <b>Tol. 6H</b>	
		Art.-Št.	€	Art.-Št.	€	Art.-Št.	€	Art.-Št.	€
M 1	x 0,25	16000	70,00						
M 1,4	x 0,3	16003	70,00						
M 1,6	x 0,35	16004	70,00						
M 2	x 0,4	16007	50,00						
M 2,5	x 0,45	16010	50,00						
M 3	x 0,5	16012	47,50					16474	82,00
M 3,5	x 0,6	16013	44,00						
M 4	x 0,7	16014	42,00					16475	78,00
M 5	x 0,8	16016	41,50					16476	75,00
M 6	x 1,0	16019	41,50					16477	74,00
M 7	x 1,0	16020	41,50						
M 8	x 1,25	16021	41,00					16478	78,00
M 9	x 1,25	16022	44,00						
M 10	x 1,5	16023	44,00					16479	85,00
M 11	x 1,5	16024	47,00						
M 12	x 1,75	16025	47,00					16480	94,00
M 14	x 2,0	16027	50,00					16481	103,00
M 16	x 2,0	16028	54,00					16482	110,00
M 18	x 2,5	16029	60,00						
M 20	x 2,5	16030	65,00					16483	130,00
M 22	x 2,5	16031	70,00						
M 24	x 3,0	16032	75,00					16484	165,00
M 27	x 3,0	16033	82,00						
M 30	x 3,5	16034	90,00						
M 33	x 3,5	16035	95,00						
M 36	x 4,0	16036	103,00						
M 39	x 4,0			16142	78,00	16164	78,00		
M 42	x 4,5			16143	78,00	16165	78,00		
M 45	x 4,5			16144	84,00	16166	84,00		
M 48	x 5,0			16145	87,00	16167	87,00		

**DLC-prevleka:** Dobra stran prevlečena, kar zagotavlja daljšo obstojnost  
**DLC-coating:** GO gauge coated, thereby evidently longer tool life

## Kontrolni navojni trni

metrični ISO navoj DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Plug Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**Mf**

Navoj	Korak	Mejni kontrolnik		Dober kontrolnik		Izmet kontrolnik	
Diameter	Pitch	Plug Gauge		GO Plug Gauge		NO GO Plug Gauge	
D	P	<b>Tol. 6H</b>		<b>Tol. 6H</b>		<b>Tol. 6H</b>	
		Art.-No.	€	Art.-No.		Art.-No.	
M 2	x 0,35	16037	50,00				
M 2,5	x 0,35	16038	50,00				
M 3	x 0,35	16039	50,00				
M 3,5	x 0,35	16040	50,00				
M 4	x 0,35	16041	50,00				
M 4	x 0,5	16042	43,00				
M 5	x 0,35	16043	43,00				
M 5	x 0,5	16044	43,00				
M 6	x 0,35	16045	43,00				
M 6	x 0,5	16046	43,00				
M 6	x 0,75	16047	43,00				
M 8	x 0,5	16048	48,00				
M 8	x 0,75	16049	48,00				
M 8	x 1,0	16050	48,00				
M 10	x 0,75	16051	50,00				
M 10	x 1,0	16052	50,00				
M 10	x 1,25	16053	50,00				
M 12	x 0,5	16056	51,00				
M 12	x 0,75	16054	51,00				
M 12	x 1,0	16055	51,00				
M 12	x 1,25	16057	51,00				
M 12	x 1,5	16058	51,00				
M 14	x 1,0	16059	54,00				
M 14	x 1,25	16060	54,00				
M 14	x 1,5	16061	54,00				
M 16	x 1,0	16062	56,00				
M 16	x 1,5	16063	56,00				
M 18	x 1,0	16064	60,00				
M 18	x 1,5	16065	60,00				
M 18	x 2,0	16066	60,00				
M 20	x 1,0	16067	65,00				
M 20	x 1,5	16068	65,00				
M 20	x 2,0	16069	65,00				
M 22	x 1,0	16070	70,00				
M 22	x 1,5	16071	70,00				
M 22	x 2,0	16072	70,00				
M 24	x 1,0	16073	75,00				
M 24	x 1,5	16074	75,00				
M 24	x 2,0	16075	75,00				
M 25	x 1,0	16076	77,00				
M 25	x 1,5	16077	77,00				
M 25	x 2,0	16078	77,00				
M 26	x 1,5	16079	80,00				
M 27	x 1,0	16080	82,00				
M 27	x 1,5	16081	82,00				



## Kontrolni navojni trni

metrični ISO-fini navoj DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Plug Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**Mf**

Navoj Diameter D	Korak Pitch P	Mejni kontrolnik Plug Gauge <b>Tol. 6H</b>		Dober kontrolnik GO Plug Gauge <b>Tol. 6H</b>		Izmetni kontrolnik NO GO Plug Gauge <b>Tol. 6H</b>	
		Art.-No.	€	Art.-No.	€	Art.-No.	€
M 27	x 2,0	16082	82,00				
M 28	x 1,5	16083	84,00				
M 30	x 1,0	16084	90,00				
M 30	x 1,5	16085	90,00				
M 30	x 2,0	16086	90,00				
M 30	x 3,0	16087	90,00				
M 32	x 1,5	16088	93,00				
M 33	x 1,5	16089	95,00				
M 33	x 2,0	16090	95,00				
M 33	x 3,0	16091	95,00				
M 34	x 1,5	16092	95,00				
M 34	x 2,0	16093	95,00				
M 34	x 3,0	16094	95,00				
M 35	x 1,5	16095	101,00				
M 35	x 2,0	16096	101,00				
M 35	x 3,0	16097	101,00				
M 36	x 1,5	16098	103,00				
M 36	x 2,0	16099	103,00				
M 36	x 3,0	16100	103,00				
M 38	x 1,5	16101	112,00				
M 40	x 1,5	16102	118,00				
M 40	x 2,0	16103	118,00				
M 42	x 1,5			16146	78,00	16168	78,00
M 42	x 2,0			16147	78,00	16169	78,00
M 45	x 1,5			16148	84,00	16170	84,00
M 45	x 2,0			16149	84,00	16171	84,00
M 48	x 1,5			16150	87,00	16172	87,00
M 48	x 2,0			16151	87,00	16173	87,00
M 50	x 1,5			16152	92,00	16174	92,00
M 50	x 2,0			16153	92,00	16175	92,00
M 52	x 1,5			16154	95,00	16176	95,00
M 52	x 2,0			16155	95,00	16177	95,00
M 55	x 1,5			16156	100,00	16178	100,00
M 55	x 2,0			16157	100,00	16179	100,00
M 58	x 1,5			16158	108,00	16180	108,00
M 60	x 2,0			16159	115,00	16181	115,00







## Kontrolni navojni trni

Cevni navoj DIN ISO 228

Tolerance in izmere po DIN EN ISO 228-2

## Precision Thread Plug Gauge

Pipe-thread DIN ISO 228

Gauge Dimensions according to DIN EN ISO 228-2



# G (BSP)

Navoj Diameter D	Korak Pitch P	Mejni kontrolnik Plug Gauge		Dober kontrolnik GO Plug Gauge		Izmet kontrolnik NO GO Plug Gauge	
		Art.-No.	€	Art.-No.	€	Art.-No.	€
G 1/8	x 28	16128	50,00				
G 1/4	x 19	16129	53,50				
G 3/8	x 19	16130	55,50				
G 1/2	x 14	16131	58,00				
G 5/8	x 14	16132	58,00				
G 3/4	x 14	16133	70,00				
G 7/8	x 14	16134	70,00				
G 1"	x 11	16135	82,50				
G 1.1/4	x 11			16160	80,00	16182	80,00
G 1.1/2	x 11			16161	90,00	16183	90,00
G 1.3/4	x 11			16162	112,00	16184	112,00
G 2"	x 11			16163	125,00	16185	125,00



## Kontrolni navojni trni

ameriški konični cevni navoj, konični 1:16  
 Tolerance in izmere po ANSI/ASME B 1.20.1

## Precision Thread Plug Gauge

american tapered pipe thread, taper 1:16  
 Gauge Dimensions according to ANSI/ASME B 1.20.1



**NPT**

Navoj Diameter D	Korak Pitch P	Mejni kontrolnik Plug Gauge	
		Art.-No.	€
NPT 1/8	x 27	16136	152,00
NPT 1/4	x 18	16137	162,00
NPT 3/8	x 18	16138	175,00
NPT 1/2	x 14	16139	190,00
NPT 3/4	x 14	16140	210,00
NPT 1"	x 11,5	16141	250,00



## Kontrolni navojni obroč

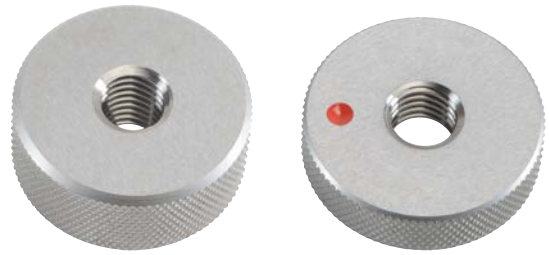
metrični ISO-navoj po DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Ring Gauge

metric ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**M**

Navoj Diameter D	Korak Pitch P	DOBER obroč GO Ring Gauge <b>Tol. 6g</b>		IZMET obroč NO GO Ring Gauge <b>Tol. 6g</b>	
		Art.-No.	€	Art.-No.	€
M 2	x 0,4	16186	50,00	16330	50,00
M 2,5	x 0,45	16187	50,00	16331	50,00
M 3	x 0,5	16188	44,00	16332	44,00
M 3,5	x 0,6	16189	46,00	16333	46,00
M 4	x 0,7	16190	40,00	16334	40,00
M 5	x 0,8	16191	40,00	16335	40,00
M 6	x 1,0	16192	40,00	16336	40,00
M 7	x 1,0	16193	42,00	16337	42,00
M 8	x 1,25	16194	42,00	16338	42,00
M 9	x 1,25	16195	50,00	16339	50,00
M 10	x 1,5	16196	50,00	16340	50,00
M 11	x 1,5	16197	50,00	16341	50,00
M 12	x 1,75	16198	54,00	16342	54,00
M 14	x 2,0	16199	59,00	16343	59,00
M 16	x 2,0	16200	59,00	16344	59,00
M 18	x 2,5	16201	71,50	16345	71,50
M 20	x 2,5	16202	71,50	16346	71,50
M 22	x 2,5	16203	78,00	16347	78,00
M 24	x 3,0	16204	79,00	16348	79,00
M 27	x 3,0	16205	97,50	16349	97,50
M 30	x 3,5	16206	97,50	16350	97,50
M 33	x 3,5	16207	104,00	16351	104,00
M 36	x 4,0	16208	104,00	16352	104,00
M 39	x 4,0	16209	143,00	16353	143,00
M 42	x 4,5	16210	143,00	16354	143,00
M 45	x 4,5	16211	156,00	16355	156,00
M 48	x 5,0	16212	162,50	16356	162,50

## Kontrolni navojni obroč

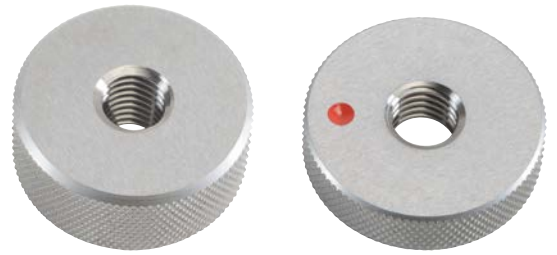
metrični ISO-FINI navoj DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Ring Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**Mf**

Navoj Diameter D	Korak Pitch P	DOBER obroč GO Ring Gauge Tol. 6g		IZMET obroč NO GO Ring Gauge Tol. 6g	
		Art.-No.	€	Art.-No.	€
M 2	x 0,35	16213	52,50	16357	52,50
M 2,5	x 0,35	16214	50,00	16358	50,00
M 3	x 0,35	16215	50,00	16359	50,00
M 3,5	x 0,35	16216	50,00	16360	50,00
M 4	x 0,35	16217	50,00	16361	50,00
M 4	x 0,5	16218	50,00	16362	50,00
M 5	x 0,35	16219	50,00	16363	50,00
M 5	x 0,5	16220	50,00	16364	50,00
M 6	x 0,35	16221	50,00	16365	50,00
M 6	x 0,5	16222	50,00	16366	50,00
M 6	x 0,75	16223	50,00	16367	50,00
M 8	x 0,5	16224	50,00	16368	50,00
M 8	x 0,75	16225	50,00	16369	50,00
M 8	x 1,0	16226	50,00	16370	50,00
M 10	x 0,75	16227	50,00	16371	50,00
M 10	x 1,0	16228	50,00	16372	50,00
M 10	x 1,25	16229	50,00	16373	50,00
M 12	x 0,5	16232	50,00	16376	50,00
M 12	x 0,75	16230	50,00	16374	50,00
M 12	x 1,0	16231	50,00	16375	50,00
M 12	x 1,25	16233	50,00	16377	50,00
M 12	x 1,5	16234	50,00	16378	50,00
M 14	x 1,0	16235	55,00	16379	55,00
M 14	x 1,25	16236	55,00	16380	55,00
M 14	x 1,5	16237	55,00	16381	55,00
M 16	x 1,0	16238	56,50	16382	56,50
M 16	x 1,5	16239	56,50	16383	56,50
M 18	x 1,0	16240	58,50	16384	58,50
M 18	x 1,5	16241	58,50	16385	58,50
M 18	x 2,0	16242	58,50	16386	58,50
M 20	x 1,0	16243	61,00	16387	61,00
M 20	x 1,5	16244	61,00	16388	61,00
M 20	x 2,0	16245	61,00	16389	61,00
M 22	x 1,0	16246	72,50	16390	72,50
M 22	x 1,5	16247	72,50	16391	72,50
M 22	x 2,0	16248	72,50	16392	72,50
M 24	x 1,0	16249	73,50	16393	73,50
M 24	x 1,5	16250	73,50	16394	73,50
M 24	x 2,0	16251	73,50	16395	73,50
M 25	x 1,0	16252	76,50	16396	76,50
M 25	x 1,5	16253	76,50	16397	76,50
M 25	x 2,0	16254	76,50	16398	76,50
M 26	x 1,5	16255	78,00	16399	78,00
M 27	x 1,0	16256	80,50	16400	80,50
M 27	x 1,5	16257	80,50	16401	80,50



## Kontrolni navojni obroč

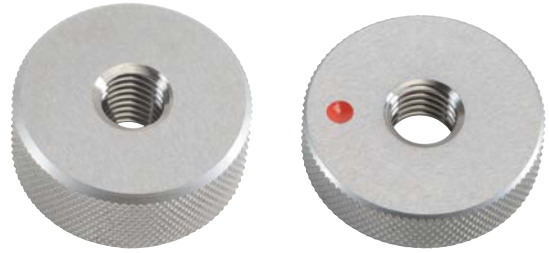
metrični ISO-FINI navoj DIN 13

Tolerance in izmere po DIN ISO 1502

## Precision Thread Ring Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502

**Mf**

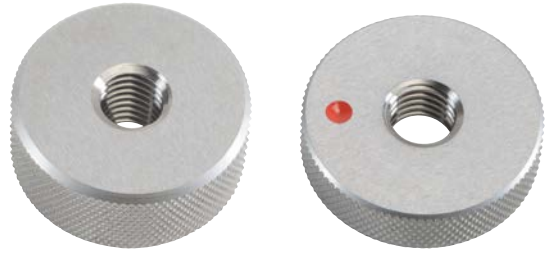
Navoj Diameter D	Korak Pitch P	DOBER obroč GO Ring Gauge <b>Tol. 6g</b>		IZMET obroč NO GO Ring Gauge <b>Tol. 6g</b>	
		Art.-No.	€	Art.-No.	€
M 27	x 2,0	16258	80,50	16402	80,50
M 28	x 1,5	16259	80,50	16403	80,50
M 30	x 1,0	16260	84,50	16404	84,50
M 30	x 1,5	16261	84,50	16405	84,50
M 30	x 2,0	16262	84,50	16406	84,50
M 30	x 3,0	16263	84,50	16407	84,50
M 32	x 1,5	16264	86,00	16408	86,00
M 33	x 1,5	16265	99,00	16409	99,00
M 33	x 2,0	16266	99,00	16410	99,00
M 33	x 3,0	16267	99,00	16411	99,00
M 34	x 1,5	16268	106,00	16412	106,00
M 34	x 2,0	16269	106,00	16413	106,00
M 34	x 3,0	16270	106,00	16414	106,00
M 35	x 1,5	16271	106,00	16415	106,00
M 35	x 2,0	16272	106,00	16416	106,00
M 35	x 3,0	16273	106,00	16417	106,00
M 36	x 1,5	16274	110,00	16418	110,00
M 36	x 2,0	16275	110,00	16419	110,00
M 36	x 3,0	16276	110,00	16420	110,00
M 38	x 1,5	16277	110,00	16421	110,00
M 40	x 1,5	16278	115,00	16422	115,00
M 40	x 2,0	16279	115,00	16423	115,00
M 42	x 1,5	16280	117,00	16424	117,00
M 42	x 2,0	16281	117,00	16425	117,00
M 45	x 1,5	16282	120,00	16426	120,00
M 45	x 2,0	16283	120,00	16427	120,00
M 48	x 1,5	16284	125,00	16428	125,00
M 48	x 2,0	16285	125,00	16429	125,00
M 50	x 1,5	16286	140,00	16430	140,00
M 50	x 2,0	16287	140,00	16431	140,00
M 52	x 1,5	16288	150,00	16432	150,00
M 52	x 2,0	16289	150,00	16433	150,00
M 55	x 1,5	16290	155,00	16434	155,00
M 55	x 2,0	16291	155,00	16435	155,00
M 58	x 1,5	16292	165,00	16436	165,00
M 60	x 2,0	16293	180,00	16437	180,00

## Kontrolni navojni obroč

ameriški UNC/UNF-navoj ANSI B 1.1  
Tolerance in izmere po ANSI B 1.2

## Precision Thread Ring Gauge

Unified Coarse and Fine Thread ANSI B1.1  
Gauge Dimensions according to ANSI B 1.2



# UNC / UNF

Navoj Diameter D	Korak Pitch P	DOBER obroč GO Ring Gauge Tol. 2A		IZMET obroč NO GO Ring Gauge Tol. 2A	
		Art.-No.	€	Art.-No.	€
UNC Nr. 4 x 40		16294	45,00	16438	45,00
UNC Nr. 6 x 32		16295	45,00	16439	45,00
UNC Nr. 8 x 32		16296	45,00	16440	45,00
UNC Nr. 10 x 24		16297	45,00	16441	45,00
UNC 1/4 x 20		16298	45,00	16442	45,00
UNC 5/16 x 18		16299	47,00	16443	47,00
UNC 3/8 x 16		16300	50,00	16444	50,00
UNC 7/16 x 14		16301	50,00	16445	50,00
UNC 1/2 x 13		16302	58,00	16446	58,00
UNC 9/16 x 12		16303	58,00	16447	58,00
UNC 5/8 x 11		16304	70,00	16448	70,00
UNC 3/4 x 10		16305	80,00	16449	80,00
UNF Nr. 4 x 48		16306	45,00	16450	45,00
UNF Nr. 6 x 40		16307	45,00	16451	45,00
UNF Nr. 8 x 36		16308	45,00	16452	45,00
UNF Nr. 10 x 32		16309	45,00	16453	45,00
UNF 1/4 x 28		16310	45,00	16454	45,00
UNF 5/16 x 24		16311	47,00	16455	47,00
UNF 3/8 x 24		16312	50,00	16456	50,00
UNF 7/16 x 20		16313	50,00	16457	50,00
UNF 1/2 x 20		16314	58,00	16458	58,00
UNF 9/16 x 18		16315	58,00	16459	58,00
UNF 5/8 x 18		16316	70,00	16460	70,00
UNF 3/4 x 16		16317	80,00	16461	80,00



### Kontrolni navojni obroč

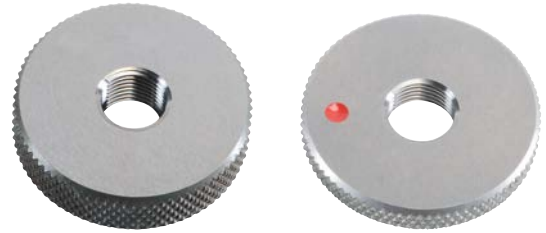
Cevni navoj DIN ISO 228

Tolerance in izmere po DIN EN ISO 228-2

### Precision Thread Ring Gauge

Pipe-thread DIN ISO 228

Gauge Dimensions according to DIN EN ISO 228-2



## G (BSP)

Navoj Diameter D	Korak Pitch P	DOBER obroč GO Ring Gauge <b>Tol. A</b>		IZMET obroč NO GO Ring Gauge <b>Tol. A</b>	
		Art.-No.	€	Art.-No.	€
G 1/8	x 28	16318	55,00	16462	55,00
G 1/4	x 19	16319	55,00	16463	55,00
G 3/8	x 19	16320	65,00	16464	65,00
G 1/2	x 14	16321	70,00	16465	70,00
G 5/8	x 14	16322	77,50	16466	77,50
G 3/4	x 14	16323	90,00	16467	90,00
G 7/8	x 14	16324	90,00	16468	90,00
G 1"	x 11	16325	91,00	16469	91,00
G 1.1/4	x 11	16326	132,50	16470	132,50
G 1.1/2	x 11	16327	136,00	16471	136,00
G 1.3/4	x 11	16328	150,00	16472	150,00
G 2"	x 11	16329	155,00	16473	155,00



### Kontrolni navojni obroč

ameriški konični cevni navoj, konični 1:16  
Tolerance in izmere po ANSI/ASME B 1.20.1

### Precision Thread Ring Gauge

american tapered pipe thread, taper 1:16  
Gauge Dimensions according to ANSI/ASME B 1.20.1



## NPT

Navoj	Korak	DOBER obroč	
Diameter	Pitch	GO Ring Gauge	
D	P	Art.-No.	€
NPT 1/8	x 27	16485	250,00
NPT 1/4	x 18	16486	250,00
NPT 3/8	x 18	16487	250,00
NPT 1/2	x 14	16488	275,00
NPT 3/4	x 14	16489	300,00
NPT 1"	x 11,5	16490	340,00





### Kompleti kontrolni navojni trni

7-delni komplet v kaseti PVC  
metrični ISO-navoj DIN 13

### Precision Thread Gauge Sets

set of 7 pcs. in plastic box  
metric ISO-thread DIN 13



**M**

Vsebina contents	Mejni kontrolnik Plug Gauge <b>Tol. 6H</b>		DOBER kontrolnik GO Ring Gauge <b>Tol. 6g</b>		IZMET kontrolnik NO GO Ring Gauge <b>Tol. 6g</b>	
	Art.-No.	€	Art.-No.	€	Art.-No.	€
VG1 M 3 - 4 - 5 - 6 - 8 - 10 - 12	16026	305,00				
VG2 M 3 - 4 - 5 - 6 - 8 - 10 - 12			16491	315,00		
VG3 M 3 - 4 - 5 - 6 - 8 - 10 - 12					16492	315,00

## VÖLKEL Kalibriranje navojnih trnov na IAC-skenerju navojev

## VÖLKEL Calibration Service for Thread Gauges by IAC Thread Scanner

Kot proizvajalec bomo na zahtevo izdelali tovarniško kalibracijsko potrdilo.

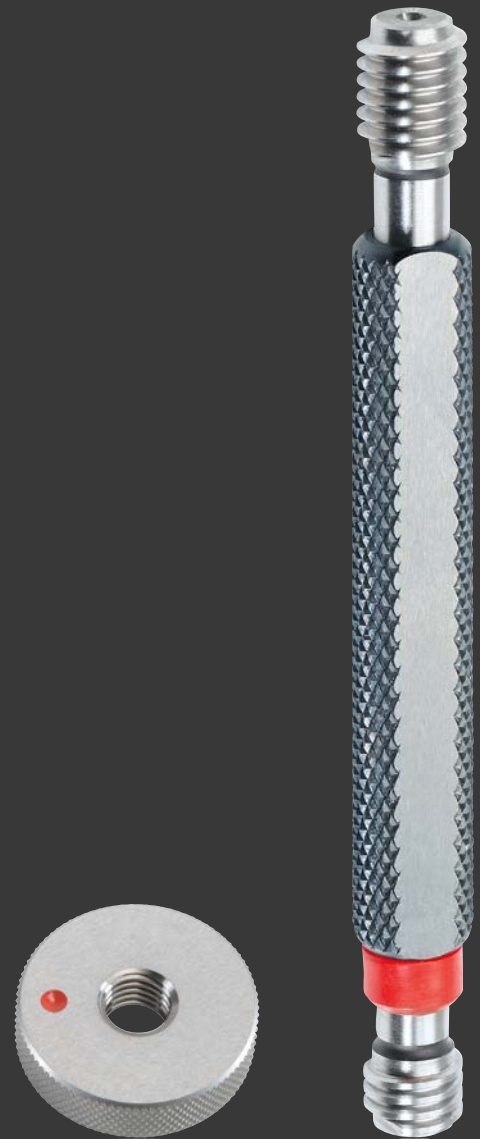
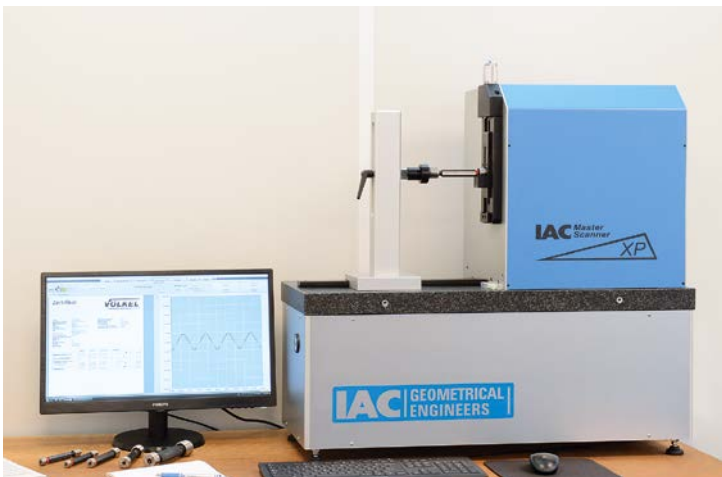
V našem merilnem laboratoriju, neodvisnem od proizvodnje poteka kalibracija za posamičen vzorec po predpisanih specifikacijah (DIN, ISO, ANSI). Kalibracija se izvaja na IAC-navojnih skenerjih.

As a manufacturer we issue on demand a calibration certificate. In our testing laboratory the inspection is carried out in accordance with the specific requirements and standards (DIN,ISO, ANSI) of each gauge to be tested. We use IAC Thread Scanner for our calibration service.

VÖLKEL tovarniško potrdilo VÖLKEL Calibration Certificates	cilindrični navoj parallel thread €	stožčasti navoj taper threads €
Mejni kontrolnik Plug Gauge	12,00	20,00
DOBER kontrolnik GO Plug Gauge	10,00	18,00
IZMET kontrolnik NO GO Plug Gauge	10,00	18,00
DOBER obroč GO Ring Gauge	10,00	18,00
IZMET obroč NO GO Ring Gauge	10,00	18,00
Dodatek na rabljene merilnike Surcharge for used gauges	5,00	5,00

Vse cene so za kos brez DDV.

All prices net per piece. Calibration prices are not discountable.





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