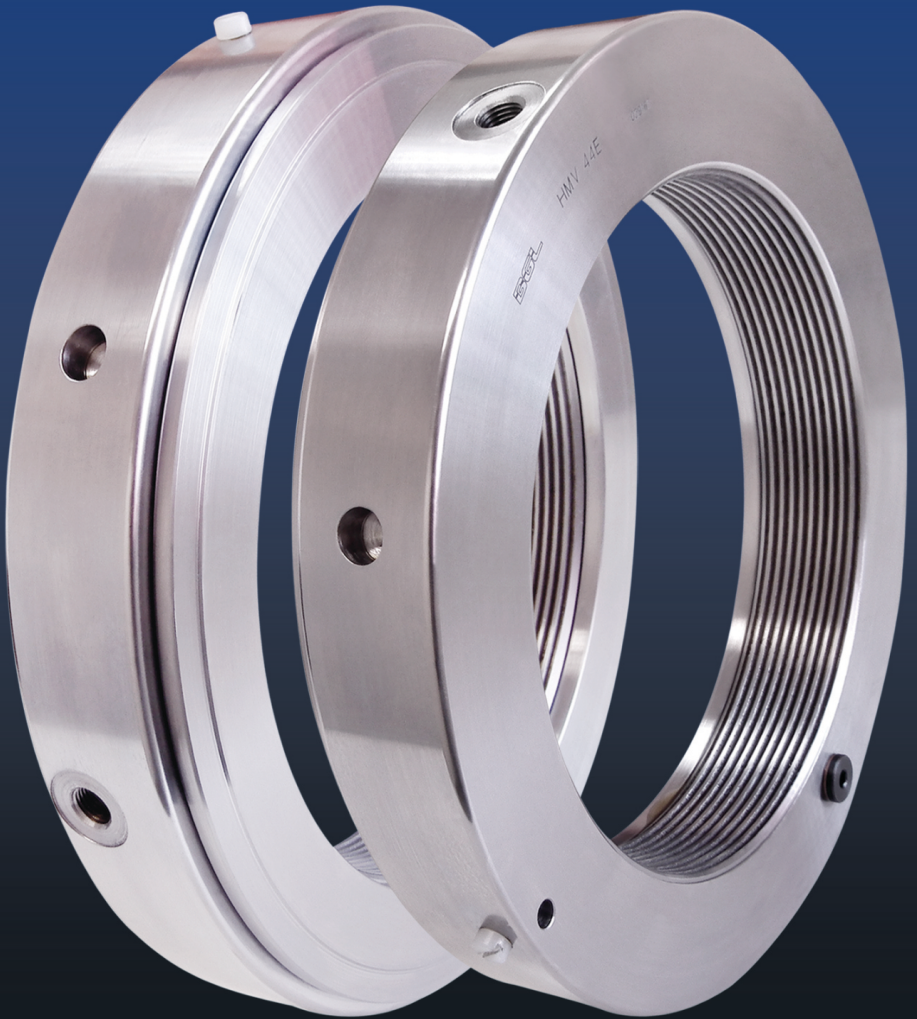


# BGL<sup>®</sup>

## HMVE HYDRAULIC NUTS



**Tool for Assembling and Disassembling  
Sleeves and Bearings with Tapered Bore**

**BGL**<sup>®</sup>

Sleeves for Bearings



The hydraulic nut is a tool that assists in the assembling and disassembling of bearings on tapered bore sleeves or shafts.

It facilitates the work, allowing for assembling without impacts, which contributes to an extended life of the entire assembly. It uses a manual hydraulic pump to do the heavy duty work, reducing the time for assembling and disassembling when compared to traditional methods using spanner and hammer.

Manufactured with SAE 1045 steel, being constituted by a screwed body (with lodging for a comparative clock and a nylon bolt M6 for fixing), piston, plug, washer and an oring set.

#### **FOLLOW**

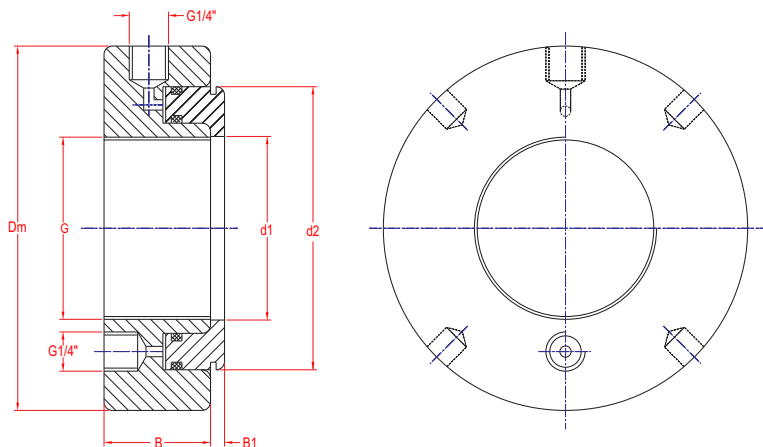
- O-ring Seal Set            ORING
- Pin Wrench                    CPR
- Plug                            BUJAO 1/4" BSP
- Nylon Screw                PARAF M6x12N
- Instruction Manual

#### **DO NOT FOLLOW**

(Optional for single purchase)

- Dial Gauge                    RC KIT
- Nipple for HMVE            729832 A

# TECHNICAL SPECIFICATION OF HVME HYDRAULIC NUT



- G** Thread Measure
- d1** Plunger Internal Diameter
- d2** Diameter of the Largest Plunger Tab
- Dm** External Diameter
- B** Thickness

Part Number	G* mm	d1 mm	d2 mm	Dm mm	B mm	B1 mm	Maximum Axial Displacement	Oil Injection Thread	Recommended Hydraulic Pump
HMV 10E	M 50X1,5	50.5	104	114	38	4	5	G1/4"	
HMV 11E	M 55X2	55.5	109	120	38	4	5	G1/4"	
HMV 11x1.5E	M 55X1,5	55.5	109	120	38	4	5	G1/4"	
HMV 12E	M 60X2	60.5	115	125	38	5	5	G1/4"	
HMV 12x1.5E	M 60X1,5	60.5	115	125	38	5	5	G1/4"	
HMV 13E	M 65X2	65.5	121	130	38	5	5	G1/4"	
HMV 13x1.5E	M 65X1,5	65.5	121	130	38	5	5	G1/4"	
HMV 14E	M 70X2	70.5	127	135	38	5	5	G1/4"	
HMV 15E	M 75X2	75.5	132	140	38	5	5	G1/4"	
HMV 16E	M 80X2	80.5	137	146	38	5	5	G1/4"	
HMV 17E	M 85X2	85.5	142	150	38	5	5	G1/4"	
HMV 18E	M 90X2	90.5	147	156	38	5	5	G1/4"	
HMV 19E	M 95X2	95.5	153	162	38	5	5	G1/4"	
HMV 20E	M 100X2	100.5	158	166	38	6	5	G1/4"	
HMV 21E	M 105X2	105.5	163	172	38	6	5	G1/4"	
HMV 22E	M 110X2	110.5	169	178	38	6	5	G1/4"	
HMV 23E	M 115X2	115.5	174	182	38	6	5	G1/4"	
HMV 24E	M 120X2	120.5	179	188	38	6	5	G1/4"	
HMV 25E	M 125X2	125.5	184	192	38	6	5	G1/4"	
HMV 26E	M 130X2	130.5	190	198	38	6	5	G1/4"	
HMV 27E	M 135X2	135.5	195	204	38	6	5	G1/4"	
HMV 28E	M 140X2	140.5	200	208	38	7	5	G1/4"	
HMV 29E	M 145X2	145.5	206	214	39	7	5	G1/4"	
HMV 30E	M 150X2	150.5	211	220	39	7	5	G1/4"	
HMV 31E	M 155X3	155.5	218	226	39	7	5	G1/4"	
HMV 32E	M 160X3	160.5	224	232	40	7	6	G1/4"	
HMV 33E	M 165X3	165.5	229	238	40	7	6	G1/4"	
HMV 34E	M 170X3	170.5	235	244	41	7	6	G1/4"	
HMV 36E	M 180X3	180.5	247	256	41	7	6	G1/4"	
HMV 38E	M 190X3	191	259	270	42	8	7	G1/4"	

**BH 100-0.7 / BH 160**

Part Number	G* mm	d1 mm	d2 mm	Dm mm	B mm	B1 mm	Maximum		Recommended Hydraulic Pump
							Axial Displacement	Oil Injection Thread	
HMV 40E	M 200X3	201	271	282	43	8	8	8	G1/4"
HMV 41E	TR 205X4	207	276	288	43	8	8	8	G1/4"
HMV 42E	TR 210X4	212	282	294	43	8	9	9	G1/4"
HMV 43E	TR 215X4	217	287	300	43	8	9	9	G1/4"
HMV 44E	TR 220X4	222	293	306	43	8	9	9	G1/4"
HMV 45E	TR 225X4	227	300	312	45	8	9	9	G1/4"
HMV 46E	TR 230X4	232	305	318	45	8	9	9	G1/4"
HMV 47E	TR 235X4	237	311	326	46	8	10	10	G1/4"
HMV 48E	TR 240X4	242	316	330	46	9	10	10	G1/4"
HMV 50E	TR 250X4	252	329	342	46	9	10	10	G1/4"
HMV 52E	TR 260X4	262	341	356	47	9	11	11	G1/4"
HMV 54E	TR 270X4	272	352	368	48	9	12	12	G1/4"
HMV 56E	TR 280X4	282	363	380	49	9	12	12	G1/4"
HMV 58E	TR 290X4	292	375	390	49	9	13	13	G1/4"
HMV 60E	TR 300X4	302	386	404	50	10	14	14	G1/4"
HMV 62E	TR 310X5	312	397	416	52	10	14	14	G1/4"
HMV 64E	TR 320X5	322	409	428	53	10	14	14	G1/4"
HMV 66E	TR 330X5	332	419	438	53	10	14	14	G1/4"
HMV 68E	TR 340X5	342	430	450	54	10	14	14	G1/4"
HMV 69E	TR 345X5	347	436	456	54	10	14	14	G1/4"
HMV 70E	TR 350X5	352	442	464	56	10	14	14	G1/4"
HMV 72E	TR 360X5	362	455	472	56	10	15	15	G1/4"
HMV 73E	TR 365X5	367	460	482	56	11	15	15	G1/4"
HMV 74E	TR 370X5	372	466	486	56	11	16	16	G1/4"
HMV 76E	TR 380X5	382	476	498	58	11	16	16	G1/4"
HMV 77E	TR 385X5	387	483	504	58	11	16	16	G1/4"
HMV 80E	TR 400X5	402	499	522	60	11	17	17	G1/4"
HMV 82E	TR 410X5	412	510	534	61	11	17	17	G1/4"
HMV 84E	TR 420X5	422	522	546	61	11	17	17	G1/4"
HMV 86E	TR 430X5	432	532	556	62	11	17	17	G1/4"
HMV 88E	TR 440X5	442	543	566	62	12	17	17	G1/4"
HMV 90E	TR 450X5	452	554	580	64	12	17	17	G1/4"
HMV 92E	TR 460X5	462	565	590	64	12	17	17	G1/4"
HMV 94E	TR 470X5	472	576	602	65	12	18	18	G1/4"
HMV 96E	TR 480X5	482	587	612	65	12	19	19	G1/4"
HMV 98E	TR 490X5	492	597	624	66	12	19	19	G1/4"
HMV 100E	TR 500X5	502	609	636	67	12	19	19	G1/4"
HMV 102E	TR 510X6	512	624	648	68	12	20	20	G1/4"
HMV 104E	TR 520X6	522	634	658	68	13	20	20	G1/4"
HMV 106E	TR 530X6	532	645	670	69	13	21	21	G1/4"
HMV 108E	TR 540X6	542	657	682	69	13	21	21	G1/4"
HMV 110E	TR 550X6	552	667	693	70	13	21	21	G1/4"
HMV 112E	TR 560X6	562	678	704	71	13	22	22	G1/4"
HMV 114E	TR 570X6	572	689	716	72	13	23	23	G1/4"
HMV 116E	TR 580X6	582	699	726	72	13	23	23	G1/4"
HMV 120E	TR 600X6	602	721	748	73	13	23	23	G1/4"
HMV 126E	TR 630X6	632	754	782	74	14	23	23	G1/4"
HMV 130E	TR 650X6	652	775	804	75	14	23	23	G1/4"
HMV 134E	TR 670X6	672	796	826	75	14	24	24	G1/4"
HMV 138E	TR 690X6	692	819	848	77	14	25	25	G1/4"
HMV 142E	TR 710X7	712	840	870	78	15	25	25	G1/4"
HMV 150E	TR 750X7	752	883	912	79	15	25	25	G1/4"
HMV 160E	TR 800X7	802	936	965	80	16	25	25	G1/4"
HMV 170E	TR 850X7	852	990	1020	83	16	26	26	G1/4"
HMV 180E	TR 900X7	902	1043	1075	86	17	30	30	G1/4"
HMV 190E	TR 950X8	952	1097	1126	86	17	30	30	G1/4"
HMV 200E	TR 1000X8	1002	1150	1180	88	17	34	34	G1/4"
HMV 212E	TR 1060X8	1063	1120	1255	97	18	35	35	G1/4"

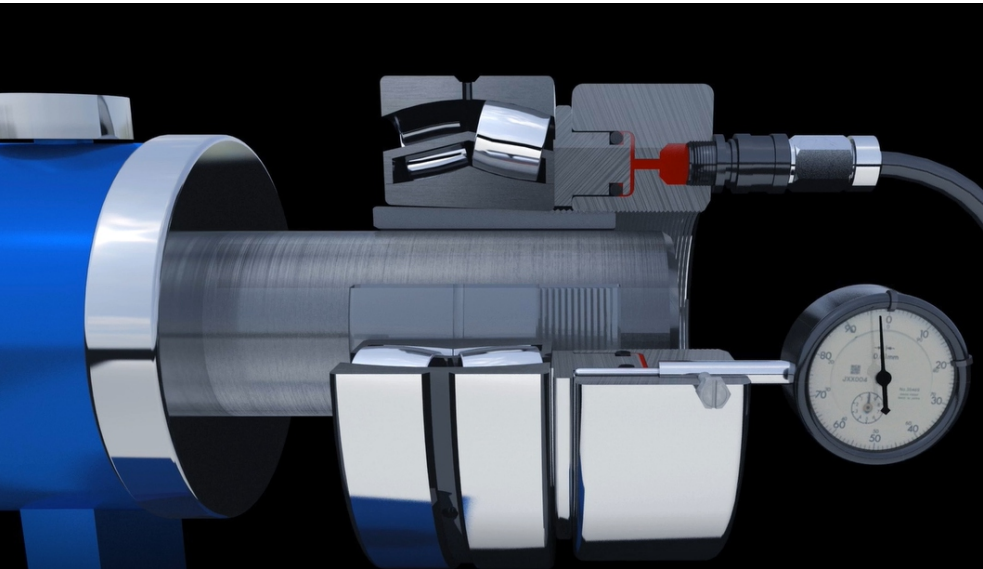
BH 100-0.7 / BH 160

**BGL**

BH 160-4.8

We also manufacture hydraulic nuts with threads in inches (HMVC),  
without threads and special measures on request.

- ✓ Up to 10 times reduction in assembly time and disassembly of bearings and sleeves.
- ✓ Reduction in the cost of assembling and disassembling bearings and accessories.
- ✓ Fast, accurate, safe, clean and hassle-free assembling and disassembling.



For complete **ASSEMBLING** instructions using the Hydraulic Nut, please visit [www.bgl.com.br/en/treinamento.htm](http://www.bgl.com.br/en/treinamento.htm) and refer to **sections 2, 4, 5, 7, 9, 10.**

To use hydraulic nuts for **DISASSEMBLING** please refer to **sections 13 e 15.**



Sleeves for Bearings

**BGL - Bertoloto & Grotta Ltda.**

Desde **1957** • ISO **9001**

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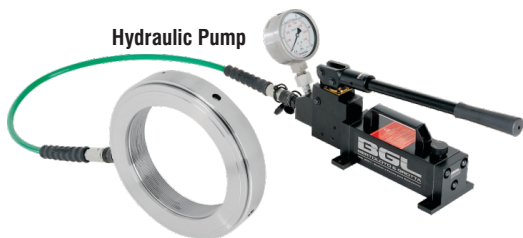
**DISTRIBUTOR**

February 2024 Release

**PLEASE ALSO REFER TO  
ADDITIONAL BGL SOLUTIONS**

**TR Kit** for training the assembling and disassembling tapered bore bearings on sleeves using manual and hydraulic tools

Hydraulic Pump



**INDUSTRIAL BEARING ACCESSORIES LINE**

Adapter Sleeves • Hydraulic Adapter Sleeves

Withdrawal Sleeves • Hydraulic Withdrawal Sleeves • Lock Nuts

Precision Nuts • Lock Washers • Hydraulic Pumps • Hydraulic Nuts

Hook Spanners • Extension Tubes • Feeler Gauges • Training Kit

**BGL ORIGINAL PARTS**

All parts and tools are **laser-marked** with the **BGL (Bertoloto & Grotta Ltda.)** brand, code and batch number for traceability.

