

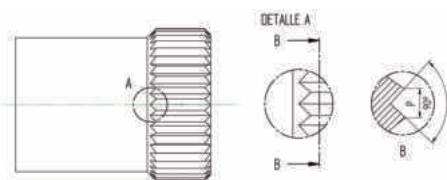


MOLETEADO EN PIEZA SEGÚN DIN 82 KNURLING ON COMPONENTS ACCORDING TO DIN 82

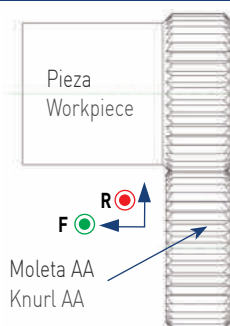


RAA

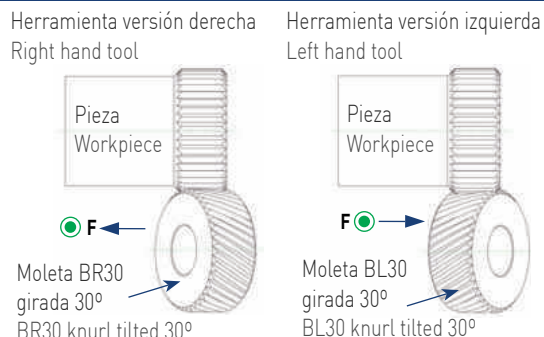
Moleteado con estrías paralelas al eje
Knurling with grooves parallel to axis



Moleteado por deformación Form knurling

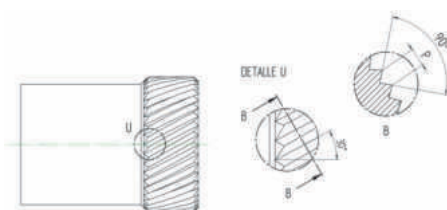


Moleteado por corte Cut-knurling

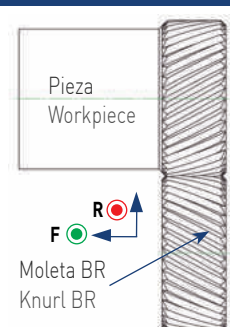


RBL

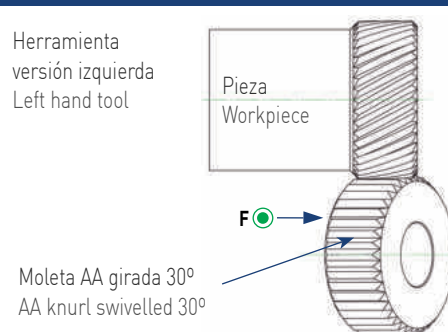
Moleteado con estrías en hélice hacia la izquierda
Knurling with left spiral grooves



Moleteado por deformación Form knurling

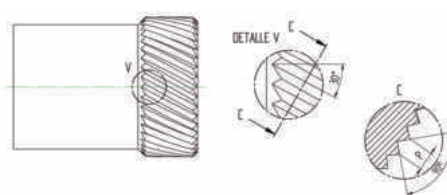


Moleteado por corte Cut-knurling

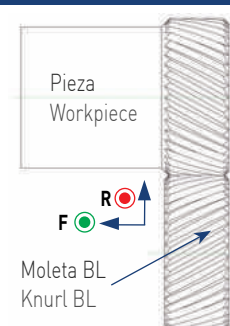


RBR

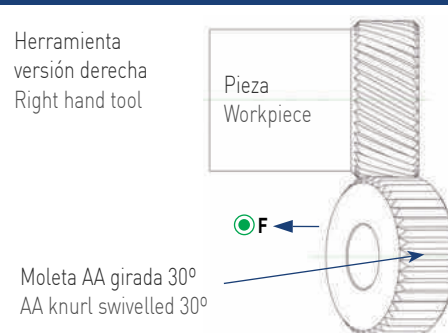
Moleteado con estrías en hélice hacia la derecha
Knurling with right spiral grooves



Moleteado por deformación Form knurling

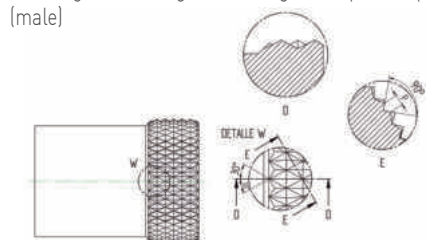


Moleteado por corte Cut-knurling

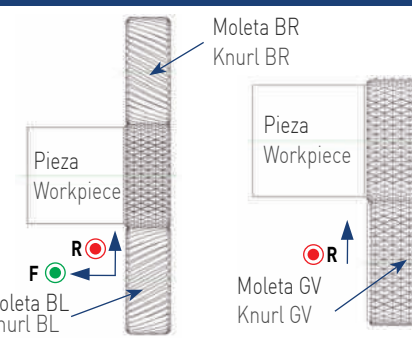


RGE

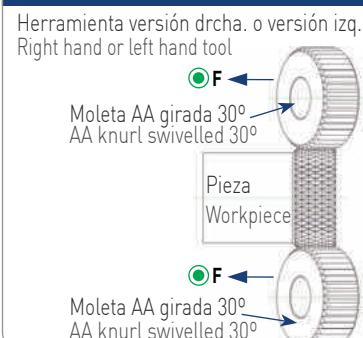
Moleteado con estrías cruzadas derecha-izquierda
puntas salientes
Knurling with left-right crossed grooves points up (male)



Moleteado por deformación Form knurling



Moleteado por corte Cut-knurling



* Avances permitidos / Allowed feeds **F** **R**

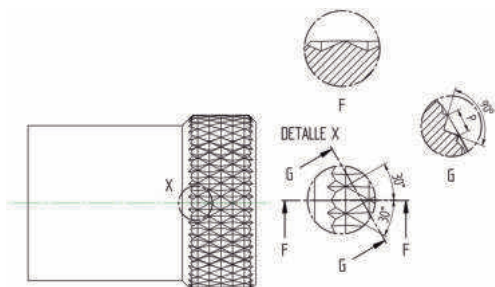


MOLETEADO EN PIEZA SEGÚN DIN 82 KNURLING ON COMPONENTS ACCORDING TO DIN 82

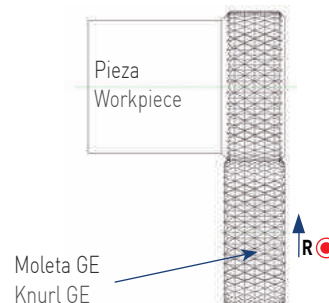


RGV

Moletado con estrías cruzadas derecha-izquierda puntas entrantes
Knurling with left-right crossed grooves points down (female)

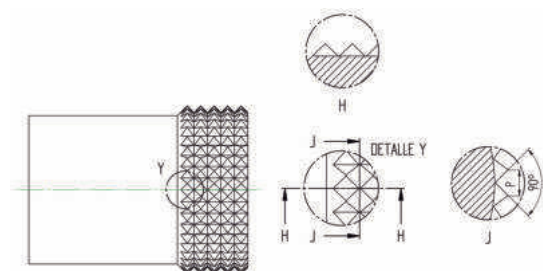


Moletado por deformación Form knurling

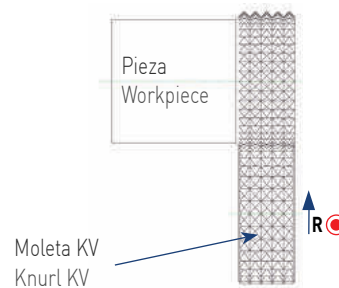


RKE

Moletado con estrías cruzadas en cuadrado puntas salientes
Knurling with square crossed grooves points up (male)

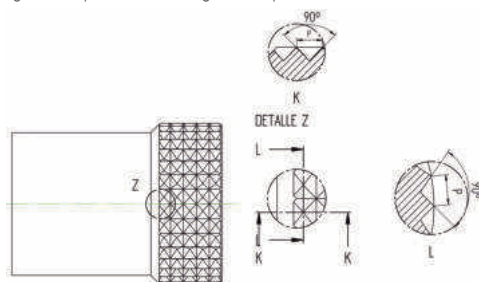


Moletado por deformación Form knurling

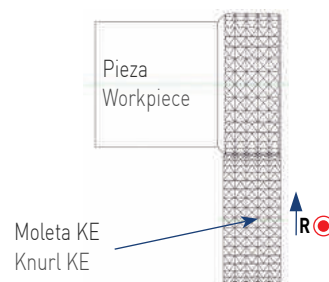


RKV

Moletado con estrías cruzadas en cuadrado puntas entrantes
Knurling with square crossed grooves points down (female)



Moletado por deformación Form knurling



* Avances permitidos / Allowed feeds **F** **R**



GAMA MOLETAS INTEG I INTEGI KNURL RANGE



			MOLETAS PARA MOLETEADORES DE INTEG I / DIENTES FRESADOS				
			AA	BL15	BR15	BL30	BR30
MOLETAS DE DEFORMACION / FORM KNURLS	Dimensiones Sizes	Bisel Bevel					
	10x4x4	F	●			●	●
	10x5x4	F	●			●	●
	15x4x4	F	●			●	●
	15x5x4	F	●			●	●
	15x6x4	F	●			●	●
	15x6x10/6	F	●			●	●
	20x6x6	F	●			●	●
	20x8x6	F	●			●	●
	20x10x6	F	●			●	●
	25x8x8	F	●			●	●
	25x10x8	F	●			●	●
	25x12x8	F	●			●	●
	25x10x15	F	●			●	●
MOLETAS DE CORTE CUT KNURLS	8.9x2.5x4	S	●	●	●	●	●
	14.5x3x5	S	●	●	●	●	●
	21.5x5x8	S	●	●	●	●	●
	32x8x14	S	●	●	●	●	●
	42x12x18	S	●	●	●	●	●
			MOLETAS PARA MOLETEADORES PARA OTROS FABRICANTES /				
			AA	BL15	BR15	BL30	BR30
MOLETAS DE DEFORMACION FORM KNURLS	Dimensiones Sizes	Bisel Bevel					
	15x6x11/6	F	●			●	●
	20x8x13/6	F	●			●	●
	20x6x6,5	F	●			●	●
	20x8x6,5	F	●			●	●
	20x10x6,5	F	●			●	●
	25x6x6	F	●			●	●
	25x8x6	F	●			●	●
	25x10x6	F	●			●	●
MOLETAS DE CORTE CUT KNURLS	15x4x8	S	●	●	●	●	●
	20x5x11	S	●	●	●	●	●
	25x5x11	S	●	●	●	●	●
	25x6x8	S	●	●	●	●	●

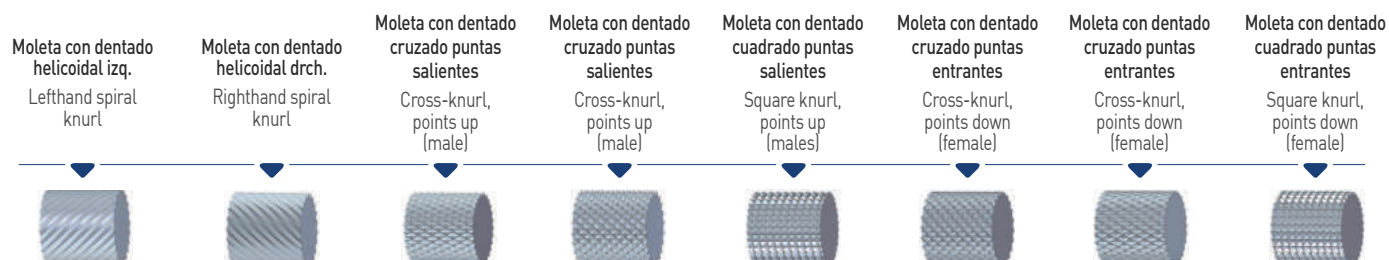
Pasos disponibles · Available pitches

●	0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 mm	●	0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 - 1.2 - 1.5 - 1.6 - 1.8 - 2.0 mm
●	0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 - 1.2 mm	●	1.0 - 1.5 - 2.0 - 2.5 - 3.0 mm
●	0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 - 1.2 - 1.5 mm	●	1.0 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 mm

Otros pasos bajo pedido / Other pitches under request



GAMA MOLETAS INTEGÍ INTEGI KNURL RANGE



KNURLS FOR INTEGÍ KNURLING TOOLS

OS / MILLED TEETH

BL45	BR45	GE30	GE45	KE	GV30	GV45	KV
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

DIENTES CONFORMADOS / FORMED TEETH

KNURLS FOR KNURLING TOOL FOR OTHER MANUFACTURES

BL45	BR45	GE30	GE45	KE	GV30	GV45	KV
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

RECUBRIMIENTO COATING	DESCRIPCIÓN DESCRIPTION
TiN	Titanium Nitride PVD
TiCN	Titanium Carbon Nitride PVD
TiAlN	Titanium Aluminum Nitride PVD
AlCrN	Aluminum Chromium Nitride PVD
Nitried (Tenifer)	Nitried (Tenifer)

Tipo de bisel · Type of bevel	
F	Bisel en ambas caras (Moleta de deformación) · Bevel on both faces
S	Sin bisel (Moleta de corte) · Unbeveled



MOLETAS ESPECIALES SPECIAL KNURLS



Moletas cónicas Conical knurls



Datos necesarios para la fabricación de moletas cónicas:

- Tipo (KAA, KBL, ...)
- Ángulo de la hélice 30°, 45°
- Dimensiones
- Paso o número de dientes



Necessary data to manufacture conical knurls:

- Type (KAA, KBL, ...)
- Helix angle 30°, 45°
- Dimensions
- Pitch or number of teeth



Moletas cóncavas y convexas Concave and convex knurls



Datos necesarios para la fabricación de moletas cóncavas y convexas:

- Tipo (C, DL, ...)
- Ángulo de la hélice 30°, 45°
- Dimensiones
- Radio
- Paso o número de dientes

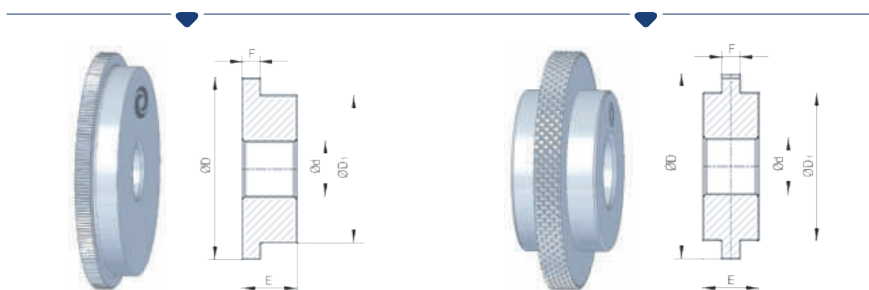


Necessary data to manufacture concave and convex knurls:

- Type (C, DL, ...)
- Helix angle 30°, 45°
- Dimensions
- Radius
- Pitch or number of teeth



Moletas escalonadas Stepped knurls



Moleta escalonada (una cara)
Stepped knurl (one side)

Moleta escalonada (dos caras)
Stepped knurl (two sides)



Datos para la fabricación de moletas especiales:

- Tipo (AA, BL, ...)
- Ángulo de la hélice
- Dimensiones
- Paso



Necessary data to manufacture special knurls:

- Type (AA, BL, ...)
- Helix angle 30°, 45°
- Dimensions
- Pitch