

2016

GROOVEX
Innovative Grooving & Turning Solutions

NPA 12

vargus
NEUMO Ehrenberg Group

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GrooVical

Precise Grooving & Turning Applications

**Improved and
Expanded
GrooVical Line**

- ✓ New Geometry Structure
- ✓ Close to Shoulder Facing & Grooving
- ✓ New Square Grooving & Turning Insert
- ✓ Left Hand Tools Available as Standard

GrooVical

Precise Grooving & Turning Applications

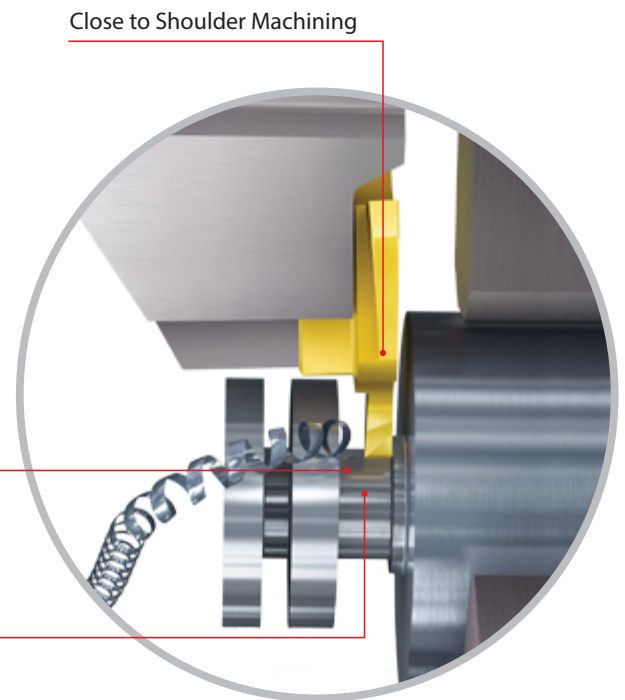
Revamped GV26 insert and tools – Now changed to **GVN26**

Features & Benefits:

- New design enables Close to Shoulder Facing and Grooving
- LH Tools available as standard
- New "T" sub family insert for Square Grooving & Turning with positive Chip Former
- New Close to Shoulder Parting Off inserts with $15^\circ \alpha^\circ$ value for parting up to 5.0 mm thickness (6.5 mm for GVN29), achieving minimal burrs after parting

Turning and Grooving positive Chip Former, preventing tangled chips around the workpiece

Grooving up to 6.5mm depth



Ordering Code System & Availability:

- Old GV26 inserts and holders will be phased out by 01.01.2017 and while stock lasts
- **RH GVN26** inserts and holders are already available in stock. **LH GVN26** will be in stock and available for order by 01.01.2017
- Old Close to Shoulder GV29 **GVRF** inserts and holders designation to be changed to **GVN29**
- Existing GV29 inserts and holders will remain

Note: Old GV26 inserts & holders are not suitable with the new **GVN26** inserts & holders

GrooVical Precise Grooving & Turning Applications

Old GV26 RH & New GVN26

Inserts:

Old Item	Old Designation	New Item No.	New Designation
056-00009	GV26S0.57-00R VKX	056-00198	GVN26R S0.57-00 VKX
056-00010	GV26S0.77-00R VKX	056-00200	GVN26R S0.79-00 VKX
056-00177	GV26S0.79-0.2R VKX	056-00201	GVN26R S0.79-0.2 VKX
056-00011	GV26S0.87-00R VKX	056-00202	GVN26R S0.87-00 VKX
056-00012	GV26S0.97-00R VKX	056-00203	GVN26R S0.97-00 VKX
056-00013	GV26S1.0-0.1R VKX	056-00211	GVN26R S1.0-0.1 VKX
056-00017	GV26S1.07-00R VKX	056-00204	GVN26R S1.07-00 VKX
056-00014	GV26S1.2-00R VKX	056-00212	GVN26R S1.2-00 VKX
056-00019	GV26S1.24-00R VKX	056-00205	GVN26R S1.24-00 VKX
056-00015	GV26S1.4-00R VKX	056-00213	GVN26R S1.4-00 VKX
056-00020	GV26S1.44-00R VKX	056-00206	GVN26R S1.44-00 VKX
		056-00312	GVN26R S1.5-0.1 VKX
056-00016	GV26S1.5-0.2R VKX	056-00214	GVN26R S1.5-0.2 VKX
056-00176	GV26S1.58-0.2R VKX	056-00207	GVN26R S1.58-0.2 VKX
056-00175	GV26S1.6-00R VKX	056-00215	GVN26R S1.6-00 VKX
056-00018	GV26S1.7-0.1R VKX	056-00216	GVN26R S1.7-0.1 VKX
056-00021	GV26S1.74-00R VKX	056-00208	GVN26R S1.74-00 VKX
056-00022	GV26S1.99-00R VKX	056-00209	GVN26R S2.0-00 VKX
056-00023	GV26S2.0-0.2R VKX	056-00217	GVN26R S2.0-0.2 VKX
		056-00218	GVN26R S2.0-0.1 VKX
		056-00219	GVN26R S2.22-0.15 VKX
		056-00220	GVN26R S2.39-0.15 VKX
		056-00221	GVN26R S2.47-0.2 VKX
056-00004	GV26R0.5-0.25R VKX	056-00190	GVN26R R0.5-0.25 VKX
056-00178	GV26R0.79-0.39R VKX	056-00191	GVN26R R0.79-0.39 VKX
056-00006	GV26R1.0-0.5R VKX	056-00192	GVN26R R1.0-0.5 VKX
056-00005	GV26R1.2-0.6R VKX	056-00193	GVN26R R1.2-0.6 VKX
056-00007	GV26R1.6-0.8R VKX	056-00195	GVN26R R1.6-0.8 VKX
056-00025	GV26R2.0-1.0R VKX	056-00196	GVN26R R2.0-1.0 VKX
		056-00197	GVN26R R2.39-1.19 VKX
		056-00300	GVN26R T1.0-0.08 VTX
		056-00223	GVN26R T1.5-0.08 VTX
		056-00224	GVN26R T2.0-0.1 VTX
		056-00225	GVN26R T2.5-0.15 VTX
056-00024	GV26P0.5-0.05R VKX	056-00183	GVN26R P0.5-0.05-06 VKX
		056-00184	GVN26R P0.5-0.05-15 VKX
		056-00185	GVN26R P1.4-0.05-06 VKX
		056-00186	GVN26R P1.4-0.05-15 VKX
056-00003	GV26P2.0-0.1R VKX	056-00187	GVN26R P2.0-0.1-06 VKX
		056-00189	GVN26R P2.0-0.1-15 VKX

Toolholders:

Old Item	Old Designation	New Item No.	New Designation
		057-00119	GVNER 10-26
057-00007	GVER12-26	057-00120	GVNER 12-26
057-00001	GVER16-26	057-00121	GVNER 16-26
057-00002	GVER20-26	057-00122	GVNER 20-26
057-00003	GVER25-26	057-00123	GVNER 25-26
057-00005	GVE90L20-26	057-00117	GVNE90R 20-26
057-00006	GVE90L25-26	057-00118	GVNE90R 25-26

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New Item Designation: GVERF vs. GVN29

Inserts:

Application	RH / LH	Old Designation	New Item No.	New Designation
SQUARE GROOVE	LH	GVERF29 S2.38-0.1L VKX	056-00142	GVN29L S2.38-0.1 VKX
	RH	GVERF29 S2.38-0.1R VKX	056-00143	GVN29R S2.38-0.1 VKX
	LH	GVERF29 S2.5-0.1L VKX	056-00079	GVN29L S2.5-0.1 VKX
	RH	GVERF29 S2.5-0.1R VKX	056-00080	GVN29R S2.5-0.1 VKX
	LH	GVERF29 S2.7-0.1L VKX	056-00081	GVN29L S2.7-0.1 VKX
	RH	GVERF29 S2.7-0.1R VKX	056-00082	GVN29R S2.7-0.1 VKX
	LH	GVERF29 S3.0-0.2L VKX	056-00083	GVN29L S3.0-0.2 VKX
	RH	GVERF29 S3.0-0.2R VKX	056-00084	GVN29R S3.0-0.2 VKX
	LH	GVERF29 S3.17-0.2L VKX	056-00144	GVN29L S3.17-0.2 VKX
	RH	GVERF29 S3.17-0.2R VKX	056-00145	GVN29R S3.17-0.2 VKX
ROUND GROOVE	LH	GVERF29 R2.38-1.19L VKX	056-00138	GVN29L R2.38-1.19 VKX
	RH	GVERF29 R2.38-1.19R VKX	056-00139	GVN29R R2.38-1.19 VKX
	LH	GVERF29 R2.5-1.25L VKX	056-00075	GVN29L R2.5-1.25 VKX
	RH	GVERF29 R2.5-1.25R VKX	056-00076	GVN29R R2.5-1.25 VKX
	LH	GVERF29 R3.0-1.5L VKX	056-00077	GVN29L R3.0-1.5 VKX
	RH	GVERF29 R3.0-1.5R VKX	056-00078	GVN29R R3.0-1.5 VKX
	LH	GVERF29 R3.17-1.59L VKX	056-00140	GVN29L R3.17-1.59 VKX
	RH	GVERF29 R3.17-1.59R VKX	056-00141	GVN29R R3.17-1.59 VKX

Toolholders:

Application	RH / LH	Old Designation	New Item No.	New Designation
External Holders	RH	GVERFER 12-29-1	057-00044	GVNER 12-29-1
	RH	GVERFER 12-29-2	057-00045	GVNER 12-29-2
	RH	GVERFER 16-29-1	057-00046	GVNER 16-29-1
	RH	GVERFER 16-29-2	057-00047	GVNER 16-29-2
	RH	GVERFER 20-29-1	057-00048	GVNER 20-29-1
	RH	GVERFER 20-29-2	057-00049	GVNER 20-29-2
	RH	GVERFER 25-29-1	057-00050	GVNER 25-29-1
	RH	GVERFER 25-29-2	057-00051	GVNER 25-29-2
	LH	GVERFEL 12-29-1	057-00036	GVNEL 12-29-1
	LH	GVERFEL 12-29-2	057-00037	GVNEL 12-29-2
	LH	GVERFEL 16-29-1	057-00038	GVNEL 16-29-1
	LH	GVERFEL 16-29-2	057-00039	GVNEL 16-29-2
	LH	GVERFEL 20-29-1	057-00040	GVNEL 20-29-1
	LH	GVERFEL 20-29-2	057-00041	GVNEL 20-29-2
	LH	GVERFEL 25-29-1	057-00042	GVNEL 25-29-1
	LH	GVERFEL 25-29-2	057-00043	GVNEL 25-29-2
External Holders 90°	RH	GVERFE90R 20-29-1	057-00056	GVNE90R 20-29-1
	RH	GVERFE90R 20-29-2	057-00057	GVNE90R 20-29-2
	RH	GVERFE90R 25-29-1	057-00058	GVNE90R 25-29-1
	RH	GVERFE90R 25-29-2	057-00059	GVNE90R 25-29-2
	LH	GVERFE90L 20-29-1	057-00052	GVNE90L 20-29-1
	LH	GVERFE90L 20-29-2	057-00053	GVNE90L 20-29-2
	LH	GVERFE90L 25-29-1	057-00054	GVNE90L 25-29-1
	LH	GVERFE90L 25-29-2	057-00055	GVNE90L 25-29-2
Internal Holders	LH	GVERFIL 25-29	057-00060	GVNIL 25-29
	LH	GVERFIL 32-29	057-00061	GVNIL 32-29
	RH	GVERFIR 25-29	057-00062	GVNIR 25-29
	RH	GVERFIR 32-29	057-00063	GVNIR 32-29