













Carbide Inserts Cross-Reference

Other Coating and Grades on Request

Minimum Order Qty & Packing Unit = 10 Pcs

Coating Codes: B00=Plastics, Wood; B02=Steel; B05=Stainless Steel, All Other Alloys

	TMA 4	SMA 30	SMA 40	SMA 50	SMA 60	SMA 80	SMX	MMP 170 / 320	MMB 200 / 400 / 600	MMC 200 / 600	Order Number	Model Number	Description	Insert Size
				X	X						0101.204.05-00010	WP.30.T2403.S09.B00	T 00: 20mm Straight UnCoated	4-sided x 20mm
				X	X	X		X			0101.204.04-00026	WP.30.T2403.S09.B02	T 02: 20mm Straight TiN-Coated	4-sided x 20mm
				X	X	X		X			0101.204.04-00035	WP.30.T2403.S09.B05	T 05: 20mm Straight Cr-Coated	4-sided x 20mm
	X	X	X	X	X	X	X	X			0101.204.06-00009	WP.30.M2404.S09.B00	M 00: 11mm Straight UnCoated	4-sided x 11mm
	X	X	X	X	X	X	X	X			0101.204.06-00013	WP.30.M2404.S09.B02	M 02: 11mm Straight TiN-Coated	4-sided x 11mm
	X	X	X	X	X	X	X	X			0101.204.06-00006	WP.30.M2404.S09.B05	M 05: 11mm Straight Cr-Coated	4-sided x 11mm
	X	X	X	X	X						0101.204.07-00003	WP.30.RM282.0.S09.B00	R2 00: 2mm Radius UnCoated	8-sided x 2mm
	X	X	X	X	X						0101.204.07-00002	WP.30.RM282.0.S09.B02	R2 02: 2mm Radius TiN-Coated	8-sided x 2mm
	X	X	X	X	X						0101.204.07-00004	WP.30.RM282.0.S09.B05	R2 05: 2mm Radius Cr-Coated	8-sided x 2mm
	X	X	X	X	X						0101.204.06-00010	WP.30.RM283.0.S09.B00	R3 00: 3mm Radius UnCoated	8-sided x 3mm
	X	X	X	X	X						0101.204.06-00011	WP.30.RM283.0.S09.B02	R3 02: 3mm Radius TiN-Coated	8-sided x 3mm
	X	X	X	X	X						0101.204.07-00005	WP.30.RM283.0.S09.B05	R3 05: 3mm Radius Cr-Coated	8-sided x 3mm
		X	X	X	X						0101.294.08-00003	WP.40.K48-R4.0.S09.B00	R4 00: 4mm Radius UnCoated	8-sided x 4mm
		X	X	X	X						0101.294.06-00009	WP.40.K48-R4.0.S09.B02	R4 02: 4mm Radius TiN-Coated	8-sided x 4mm
		X	X	X	X						0101.294.08-00010	WP.40.K48-R4.0.S09.B05	R4 05: 4mm Radius Cr-Coated	8-sided x 4mm
				X	X	X					0101.294.08-00004	WP.40.DL42-R5.0.S09.B00	R5 00: 5mm Radius UnCoated	2-sided x 5mm
				X	X	X					0101.294.08-00005	WP.40.DL42-R5.0.S09.B02	R5 02: 5mm Radius TiN-Coated	2-sided x 5mm
				X	X	X					0101.294.08-00006	WP.40.DL42-R5.0.S09.B05	R5 05: 5mm Radius Cr-Coated	2-sided x 5mm
				X	X	X					0101.294.08-00012	WP.40.DL42-R6.0.S09.B00	R6 00: 6mm Radius UnCoated	2-sided x 6mm
				X	X	X					0101.294.08-00002	WP.40.DL42-R6.0.S09.B02	R6 02: 6mm Radius TiN-Coated	2-sided x 6mm
				X	X	X					0101.294.08-00013	WP.40.DL42-R6.0.S09.B05	R6 05: 6mm Radius Cr-Coated	2-sided x 6mm
				X	X	X					0101.294.08-00007	WP.40.DL42-R8.0.S09.B00	R8 00: 8mm Radius UnCoated	2-sided x 8mm
				X	X	X					0101.294.08-00008	WP.40.DL42-R8.0.S09.B02	R8 02: 8mm Radius TiN-Coated	2-sided x 8mm
				X	X	X					0101.294.08-00009	WP.40.DL42-R8.0.S09.B05	R8 05: 8mm Radius Cr-Coated	2-sided x 8mm
				X	X	X					0101.294.07-00005	WP.50.DL52-R10.0.S09.B00	R10 00: 10mm Radius UnCoated	2-sided x 10mm
				X	X	X					0101.294.07-00006	WP.50.DL52-R10.0.S09.B02	R10 02: 10mm Radius TiN-Coated	2-sided x 10mm
				X	X	X					0101.294.07-00007	WP.50.DL52-R10.0.S09.B05	R10 05: 10mm Radius Cr-Coated	2-sided x 10mm
				X	X	X					0101.294.07-00011	WP.50.DL52-R12.0.S09.B00	R12 00: 12mm Radius UnCoated	2-sided x 12mm



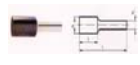









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TMA 4	SMA 30	SMA 40	SMA 50	SMA 60	SMA 80	SMX	MMP 170 / 320	MMB 200 / 400 / 600	MMC 200 / 600	Order Number	Model Number	Description	Insert Size
			X	X	X					0101.294.07-00012	WP.50.DL52-R12.0.S09.B02	R12 02: 12mm Radius TiN-Coated	2-sided x 12mm
			X	X	X					0101.294.07-00013	WP.50.DL52-R12.0.S09.B05	R12 05: 12mm Radius Cr-Coated	2-sided x 12mm
			X	X	X					0101.294.07-00008	WP.50.DL52-R15.0.S09.B00	R15 00: 15mm Radius UnCoated	2-sided x 15mm
			X	X	X					0101.294.07-00009	WP.50.DL52-R15.0.S09.B02	R15 02: 15mm Radius TiN-Coated	2-sided x 15mm
			X	X	X					0101.294.07-00010	WP.50.DL52-R15.0.S09.B05	R15 05: 15mm Radius Cr-Coated	2-sided x 15mm
X								X	X	0101.294.05-00020	WP.40.K44.S09.B00	K44 00: 11mm Straight UnCoated	4-sided x 11mm
X								X	X	0101.294.05-00018	WP.40.K44.S09.B02	K44 02: 11mm Straight TiN-Coated	4-sided x 11mm
X								X	X	0101.294.08-00001	WP.40.K44.S09.B05	K44 05: 11mm Straight Cr-Coated	4-sided x 11mm
X										0101.294.06-00011	WP.40.L4401.S09.B00	L44 00: 22mm Straight UnCoated	4-sided x 22mm
X										0101.294.05-00017	WP.40.L4401.S09.B02	L44 02: 22mm Straight TiN-Coated	4-sided x 22mm
X										0101.294.05-00016	WP.40.L4401.S09.B05	L44 05: 22mm Straight Cr-Coated	4-sided x 22mm
X										0101.294.06-00010	WP.40.DL4401.S09.B00	DL44 00: 22mm Straight UnCoated	4-sided x 22mm
X										0101.294.06-00002	WP.40.DL4401.S09.B02	DL44 02: 22mm Straight TiN-Coated	4-sided x 22mm
X										0101.294.06-00004	WP.40.DL4401.S09.B05	DL44 05: 22mm Straight Cr-Coated	4-sided x 22mm
X	X	X	X			X	X	X	X		KS 30-11	Insert-to-Milling Head Clamping Screw	-----

SGA 50	SGB 50	SGC 20	SGC 40	Order Number	Description	Type	d	L1 / L2
		X		0107.154.06-00001	End-mills, cylindrical	Z1	12	75/25
		X		0107.154.06-00002	End-mills, cylindrical	Z3	12	75/25
		X		0107.154.06-00003	End-mills, cylindrical	Z7-X	12	75/25
		X		0107.154.06-00004	End-mills, conical	Z1	16/90°	63/8
		X		0107.154.06-00005	End-mills, conical	Z3	16/90°	63/8
		X		0107.154.06-00006	End-mills, conical	Z7-X	16/90°	63/8
		X		0107.154.06-00007	End-mills, angle	Z1	20°/16	63/13
		X		0107.154.06-00008	End-mills, angle	Z3	20°/16	63/13
		X		0107.154.06-00009	End-mills, angle	Z7-X	20°/16	63/13
		X		0107.154.06-00010	End-mills f. deburring-outside	Z1	6/12	65/R=8
		X		0107.154.06-00011	End-mills f. deburring-inside	Z3	6/12	65/R=8
		X		0107.154.06-00012	End-mills f. deburring-inside	Z1	18/10	130/R=8
		X		0107.154.06-00013	End-mills f. deburring-inside	Z3	18/11	130/R=8
		X		0107.154.06-00014	End-mills f. deburring-inside & outside	Z		
	X	X		0107.104.04-00006	TGA 6 Grinding disc G-LST-178-K - 50 Grit			
		X		0107.154.06-00018	Abrasive belt 22x20 50 Grit			
		X		0107.154.06-00019	Abrasive belt 22x20 150 Grit			
		X		0107.154.06-00020	Abrasive belt 30x30 50 Grit			
		X		0107.154.06-00021	Abrasive belt 30x30 150 Grit			
		X		0107.154.06-00022	Abrasive belt 45x30 50 Grit			
		X		0107.154.06-00023	Abrasive belt 45x30 150 Grit			
<i>VE=Packing unit= 50 pcs.</i>								
			X	0107.104.04-00012	Grinding disc GLSK 110/30° Zirc - 40 Grit			
			X	0107.104.04-00013	Grinding disc GLSK 115/45° Zirc - 40 Grit			
			X	0107.104.04-00037	Grinding disc GLSK 125/60° Zirc - 40 Grit			
			X	0107.104.04-00036	Abrasive belt G-SBZY-38x40 Zirc - 36 Grit			
			X	0107.104.04-00014	Abrasive belt G-SBZY-45x40 Zirc - 36 Grit			
			X	0107.104.04-00018	Abrasive belt G-SBZY-75x40 Zirc - 36 Grit			
			X	0107.104.04-00007	Abrasive belt G-SBZY-100x40 Zirc - 36 Grit			

d: diameter
L1: total length
L2: cutting length

Z: Universal Materials
Z1: Aluminum, plastics
Z3: Cast steel, bevel seam, hardened and untempered steel with high strength
Z7-X: Cast steel, bevel seam, hardened and untempered steel universal teeth

MSA 200	MSA 300	MSA 400	MSA 600	Order Number	Model No.	Description
X				0102.214.08-00001	TSA 2S	Cutting wheel 200 (for steel)
X				0102.214.08-00002	TSA 2SS	Cutting wheel 200 (for stainless steel)
X				0102.214.08-00003	TSA 2XS	Special cutting wheel 200 (for steel)
X				0102.214.08-00004	TSA 2XSS	Special cutting wheel 200 (for stainless steel)
	X			0102.114.04-00001	TSA 3S	Cutting wheel 300 (for steel)
	X			0102.114.08-00002	TSA 3SS	Cutting wheel 300 (for stainless steel)
	X			0102.114.08-00003	TSA 3XS	Special cutting wheel 300 (for steel)
	X			0102.114.08-00004	TSA 3XSS	Special cutting wheel 300 (for stainless steel)
		X		0102.224.08-00001	TSA 4S	Cutting wheel 400 (for steel)
		X		0102.224.08-00002	TSA 4SS	Cutting wheel 400 (for stainless steel)
		X		0102.224.08-00003	TSA 4XS	Special cutting wheel 400 (for steel)
		X		0102.224.08-00004	TSA 4XSS	Special cutting wheel 400 (for stainless steel)
			X	0102.224.08-00001	TSA 4S	Cutting wheel 400 (for steel)
			X	0102.224.08-00002	TSA 4SS	Cutting wheel 400 (for stainless steel)
			X	0102.224.08-00003	TSA 4XS	Special cutting wheel 400 (for steel)
			X	0102.224.08-00004	TSA 4XSS	Special cutting wheel 400 (for stainless steel)