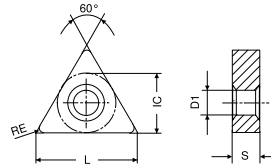


TNMG / TNMA / TNMM

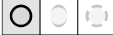
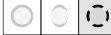
Designation	L	S	D1	IC
	mm	mm	mm	mm
TNMG 1103..	11,0	3,18	2,26	6,35
TNM. 1604..	16,5	4,76	3,81	9,52
TNM. 2204..	22,0	4,76	5,16	12,70



TNMG

		-CF20 CTCP110		-F50 CTCP115		-F50 CTCP125		-F50 CTCP135		-M50 CTCP115		-M50 CTCP125		-M50 CTCP135	
		-NF12 DCC1110		-NF15 HCX1115		-NF15 HCX1125		-NF15 HCR1135		-NM15 HCX1115		-NM15 HCX1125		-NM15 HCR1135	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F		F		F		F		M		M		M	
		CERMET TNMG		TNMG		TNMG		TNMG		TNMG		TNMG		TNMG	
		1A/78		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	76 149 ...		76 146 ...		76 146 ...		76 146 ...		76 138 ...		76 138 ...		76 138 ...	
		EUR		EUR		EUR		EUR		EUR		EUR		EUR	
110304EN	0,4			6,44	304	6,44	504	6,44	704						
110308EN	0,8			6,44	306	6,44	506	6,44	706						
160404EN	0,4	10,11	016	10,20	316	10,20	516	10,20	716	10,20	316	10,20	516	10,20	716
160408EN	0,8	10,11	018	10,20	318	10,20	518	10,20	718	10,20	318	10,20	518	10,20	718
160412EN	1,2	10,11	020	10,20	320	10,20	520	10,20	720	10,20	320	10,20	520	10,20	720
220408EN	0,8									13,76	330	13,76	530	13,76	730
220412EN	1,2									13,76	332	13,76	532	13,76	732
Steel		●		●		●		●		●		●		●	
Stainless steel		○		○		○		○		○		○		○	
Cast iron		○		○		○		○		○		○		○	
Non ferrous metals															
Heat resistant alloys								○						○	

TNMG

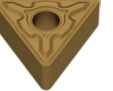
		-M70 CTCK110		-M70 CTCK120		-M70 CTCP115		-M70 CTCP125		-M70 CTCP135		CTCP125		CTCP135	
		-NM19 DCX3110		-NM19 HCF3120		-NM19 HCX1115		-NM19 HCX1125		-NM19 HCR1135		HCX1125		HCR1135	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
															
		M		M		M		M		M		M		M	
		TNMG		TNMG		TNMG		TNMG		TNMG		TNMG		TNMG	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	70 155 ...		70 155 ...		76 155 ...		76 155 ...		76 155 ...		76 142 ...		76 142 ...	
		EUR		EUR		EUR		EUR		EUR		EUR		EUR	
110302EN	0,2													6,44	702
160404ER	0,4											10,20	516	10,20	716
160408EL	0,8											10,20	518		
160408EN	0,8	10,20	018	10,20	518	10,20	318	10,20	518	10,20	718				
160408ER	0,8											10,20	517	10,20	717
160412EN	1,2	10,20	020	10,20	520	10,20	320	10,20	520	10,20	720				
220404EN	0,4							13,76	528						
220408EN	0,8	13,76	030	13,76	530	13,76	330	13,76	530	13,76	730				
220412EN	1,2	13,76	032	13,76	532	13,76	332	13,76	532	13,76	732				
220416EN	1,6	13,76	034	13,76	534	13,76	334	13,76	534	13,76	734				
Steel		●		●		●		●		●		●		●	
Stainless steel		○		○		○		○		○		○		○	
Cast iron		●		●		○		○				○			
Non ferrous metals															
Heat resistant alloys										○				○	

9

TNMA / TNMM

		CTCK110		CTCK120		-R28 CTCP115		-R28 CTCP125		-R28 CTCP135		-R58 CTCP115		-R58 CTCP125	
		DCX3110		HCF3120		-NR14 HCX1115		-NR14 HCX1125		-NR14 HCR1135		-NR17 HCX1115		-NR17 HCX1125	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
															
		R		M		R		R		R		R		R	
		TNMA		TNMA		TNMM		TNMM		TNMM		TNMM		TNMM	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	70 134 ...		70 134 ...		76 154 ...		76 154 ...		76 154 ...		76 152 ...		76 152 ...	
		EUR		EUR		EUR		EUR		EUR		EUR		EUR	
160408EN	0,8	10,20	018	10,20	518										
160412EN	1,2	10,20	020	10,20	520										
160416EN	1,6	10,20	022	10,20	522										
220408EN	0,8	13,76	030	13,76	530										
220412EN	1,2	13,76	032	13,76	532							13,76	332	13,76	532
220416EN	1,6	13,76	034	13,76	534	13,76	334	13,76	534	13,76	734				
Steel		●		●		●		●		●		●		●	
Stainless steel		○		○		○		○		○		○		○	
Cast iron		●		●		○		○				○		○	
Non ferrous metals															
Heat resistant alloys										○					

TNMM / TNMG

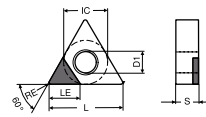
		-R58 CTCP135		-F30 CTPM125		-M30 CTPM125		-M42 CTC2135		-M60 CTPM125		-M70 CTC2135		-M34 CTP5115	
		-NR17 HCR1135		-NF23 HCN2125		-NM23 HCN2125		-M42 CWN2135		-NM26 HCN2125		-NM19 CWN2135		-M34 HCN5115	
		DRAGONSkin		DRAGONSkin		DRAGONSkin				DRAGONSkin				DRAGONSkin	
															
		R TNMM		F TNMG		M TNMG		M TNMG		M TNMG		M TNMG		M TNMG	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	76 152 ...		75 019 ...		75 020 ...		70 148 ...		75 021 ...		70 155 ...		75 006 ...	
		EUR		EUR		EUR		EUR		EUR		EUR		EUR	
160404EN	0,4			10,20 216		10,20 218		10,11 404		10,20 218		10,11 418		10,11 516	
160408EN	0,8			10,20 218		10,20 218		10,11 408		10,20 220		10,11 418		10,11 516	
160412EN	1,2					10,20 220				10,20 220					
220404EN	0,4													14,55 528	
220408EN	0,8													14,55 530	
220412EN	1,2	13,76 732													
220416EN	1,6													14,55 534	
Steel		●		○		○		○		○		○			
Stainless steel		○		●		●		●		●		●		○	
Cast iron															
Non ferrous metals															
Heat resistant alloys		○				○		●		○		●		●	

TNMG

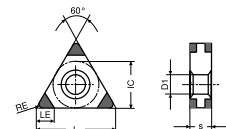
		-M42 CTP2120		-M52 CTP2120	
		-M42 CCN2120		-M52 CCN2120	
					
					
		M TNMG		M TNMG	
		1A/08		1A/08	
ISO	RE	Article no.		Article no.	
	mm	70 148 ...		70 152 ...	
		EUR		EUR	
160404EN	0,4			10,11 604	
160408EN	0,8	10,11 608		10,11 608	
Steel					
Stainless steel				○	
Cast iron				○	
Non ferrous metals				○	
Heat resistant alloys				●	

TNGA

Designation	L	S	D1	IC
	mm	mm	mm	mm
TNGA 1103..	11,0	3,18	2,26	6,35
TNGA 1604..	16,5	4,76	3,81	9,52

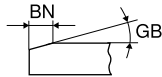


-A



-M (-6SC)

TNGA



ISO	RE	GB	BN	LE	-A CTBH21U		-M CTBH20C		-A CTBH40U		-M CTBH40C	
					PBC25		-6SC PBC25-S		PBC40		-6SC PBC40-S	
					F	CBN TNGA Y0	F	CBN TNGA Y0	F	CBN TNGA Y0	F	CBN TNGA Y0
					Article no. 71 108 ...		Article no. 71 404 ...		Article no. 71 108 ...		Article no. 71 404 ...	
					EUR		EUR		EUR		EUR	
110304TN	0,4	20	0,14	2,8	34,44	500						
110308FN	0,8			2,5					34,44	802 ¹⁾		
110308TN	0,8	20	0,14	2,5	34,44	502						
160404FN	0,4			3,5	32,43	404 ¹⁾			32,43	804 ¹⁾		
160404TN	0,4	15	0,09	2,8			93,26	222			93,26	332
160404SN	0,4	20	0,09	2,8			93,26	242			93,26	342
160404SN	0,4	20	0,11	2,8								
160404TN	0,4	20	0,14	3,5	32,43	504					93,26	352
160404SN	0,4	25	0,11	2,8			93,26	252				
160404TN	0,4	25	0,11	2,8			93,26	212				
160404TN	0,4	25	0,12	3,5			93,26	262	32,43	904		
160404FN	0,4			2,8								
160404SN	0,4	25	0,13	2,8							93,26	372
160404SN	0,4	30	0,14	2,8							93,26	382
160404SN	0,4	35	0,14	2,8								
160408TN	0,8	15	0,09	2,5			93,26	224			93,26	324
160408SN	0,8	15	0,09	2,5							93,26	334
160408SN	0,8	20	0,09	2,5								
160408TN	0,8	20	0,09	2,5			93,26	234			93,26	344
160408SN	0,8	20	0,11	2,5			93,26	244			93,26	354
160408TN	0,8	20	0,14	3,0	32,43	506						
160408SN	0,8	25	0,11	2,5								
160408TN	0,8	25	0,11	2,5			93,26	254				
160408TN	0,8	25	0,12	3,0					32,43	906		
160408SN	0,8	25	0,13	2,5			93,26	264			93,26	364
160408SN	0,8	30	0,14	2,5			93,26				93,26	374
160408SN	0,8	35	0,14	2,5			93,26				93,26	384
160408FN	0,8			2,5			93,26	214				
160408FN	0,8			3,0	32,43	406 ¹⁾						
160408EN	0,8			2,5							93,26	314
160412TN	1,2	15	0,09	2,2			93,26	226			93,26	336
160412SN	1,2	20	0,09	2,2			93,26	246			93,26	346
160412SN	1,2	20	0,11	2,2							93,26	356
160412SN	1,2	25	0,11	2,2			93,26	256				
160412TN	1,2	25	0,11	2,2			93,26	266				
160412SN	1,2	25	0,13	2,2							93,26	366
160412SN	1,2	30	0,14	2,2							93,26	376
160412SN	1,2	35	0,14	2,2							93,26	386
160412FN	1,2			2,2			93,26	216				

Cast iron

Sintered steels

Heat resistant alloys

hardened < 45 HRC

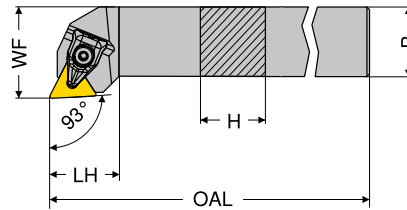
hardened 46–55 HRC

hardened 56–60 HRC

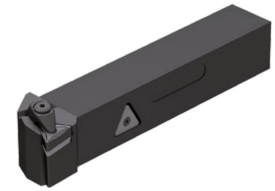
hardened 61–65 HRC

1) Machining to 60 HRC

MaxiLock-D – DTJN 93° – Toolholder with top clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	torque moment Nm	Insert	Left-hand 2A/24		Right-hand 2A/24	
								Article no. 70 591 ...		Article no. 70 590 ...	
DTJN R/L 2020 K16	20	20	125	23	25	2	TNM. 1604	EUR 85,04	820	EUR 85,04	820
DTJN R/L 2525 M16	25	25	150	24	32	2	TNM. 1604	EUR 87,97	825	EUR 87,97	825

Spare parts

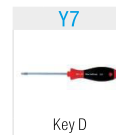
for Article no.

70 590 820 / 70 591 820	EUR 24,10	823	T09 - IP	EUR 11,24	126	M3x7 - IP	EUR 3,14	819	EUR 6,94	847
70 590 825 / 70 591 825	EUR 24,10	823	T09 - IP	EUR 11,24	126	M3x7 - IP	EUR 3,14	819	EUR 6,94	847



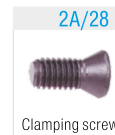
Article no.
70 950 ...

EUR



Article no.
80 950 ...

EUR



Article no.
70 950 ...

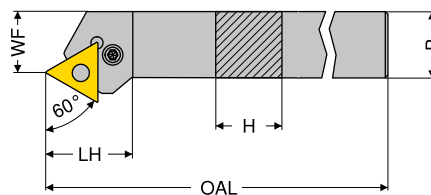
EUR



Article no.
70 950 ...

EUR

MaxiLock-N – PTTN 60° – Toolholder with lever clamping



Illustrations show right-hand versions

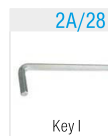


ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	torque moment Nm	Insert	Left-hand 2A/24		Right-hand 2A/24	
								Article no. 70 529 ...		Article no. 70 528 ...	
PTTN R/L 2020 K16	20	20	125	25,9	17	3	TNM. 1604	EUR 85,04	020	EUR 85,04	020
PTTN R/L 2525 M22	25	25	150	32,7	22	4	TNM. 2204	EUR 87,97	025	EUR 87,97	025

Spare parts

for Article no.

70 529 020 / 70 528 020	EUR 2,45	175	SW2,5	EUR 1,76	197	EUR 1,22	191	EUR 12,48	185	EUR 3,19	208	EUR 6,94	225
70 529 025 / 70 528 025	EUR 2,45	176	SW3	EUR 1,76	198	EUR 1,22	192	EUR 12,59	187	EUR 3,50	209	EUR 9,93	226



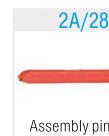
Article no.
70 950 ...

EUR



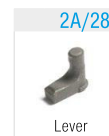
Article no.
70 950 ...

EUR



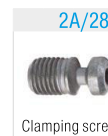
Article no.
70 950 ...

EUR



Article no.
70 950 ...

EUR



Article no.
70 950 ...

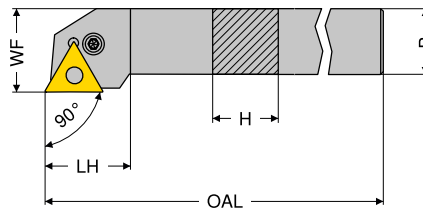
EUR



Article no.
70 950 ...

EUR

MaxiLock-N – PTGN 90° – Toolholder with lever clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	torque moment Nm	Insert	Left-hand 2A/24		Right-hand 2A/24	
								Article no. 70 533 ...		Article no. 70 532 ...	
PTGN R/L 1616 H16	16	16	100	20	20	3	TNM. 1604	76,33	016	76,33	016
PTGN R/L 2020 K16	20	20	125	20	25	3	TNM. 1604	85,04	020	85,04	020
PTGN R/L 2525 M16	25	25	150	22	32	3	TNM. 1604	87,97	025	87,97	025
PTGN R/L 3225 P16	32	25	170	22	32	3	TNM. 1604	94,37	032	94,37	032
PTGN R/L 2525 M22	25	25	150	29	32	4	TNM. 2204	87,97	125	87,97	125
PTGN R/L 3232 P22	32	32	170	29	40	4	TNM. 2204	118,80	132	118,80	132

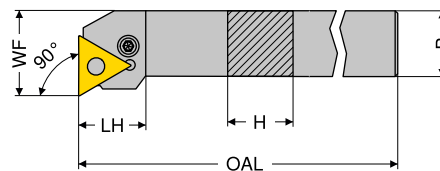
Spare parts

for Article no.

		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...	
		EUR		EUR		EUR		EUR		EUR	
70 532 016 / 70 533 016	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 532 020 / 70 533 020	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 532 025 / 70 533 025	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 532 032 / 70 533 032	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 532 125 / 70 533 125	SW3	2,45 176	1,76 198	1,22 192	12,59 187	3,50 209	9,93 226				
70 532 132 / 70 533 132	SW3	2,45 176	1,76 198	1,22 192	12,59 187	3,50 209	9,93 226				



MaxiLock-N – PTFN 90° – Toolholder with lever clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	torque moment Nm	Insert	Left-hand 2A/24		Right-hand 2A/24	
								Article no. 70 535 ...		Article no. 70 534 ...	
PTFN R/L 1616 H16	16	16	100	19,7	20	3	TNM. 1604	76,33	016	76,33	016
PTFN R/L 2020 K16	20	20	125	20,2	25	3	TNM. 1604	85,04	020	85,04	020
PTFN R/L 2525 M16	25	25	150	20,2	32	3	TNM. 1604	87,97	025	87,97	025
PTFN R/L 2525 M22	25	25	150	25,2	32	4	TNM. 2204	87,97	125	87,97	125
PTFN R/L 3225 P22	32	25	170	25,2	32	4	TNM. 2204	94,37	132	94,37	132

Spare parts

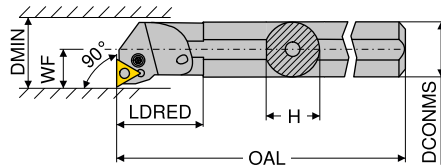
for Article no.

		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...	
		EUR		EUR		EUR		EUR		EUR	
70 534 016 / 70 535 016	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 534 020 / 70 535 020	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 534 025 / 70 535 025	SW2,5	2,45 175	1,76 197	1,22 191	12,48 185	3,19 208	6,94 225				
70 534 125 / 70 535 125	SW3	2,45 176	1,76 198	1,22 192	12,59 187	3,50 209	9,93 226				
70 534 132 / 70 535 132	SW3	2,45 176	1,76 198	1,22 192	12,59 187	3,50 209	9,93 226				



MaxiLock-N – PTFN 90° – Boring bar with lever clamping

- ▲ A... = with thro' coolant
▲ S... = without thro' coolant



Illustrations show right-hand versions



ISO designation	DCONMS	H	OAL	LDRED	WF	DMIN	torque moment Nm	Insert	Left-hand 2A/24		Right-hand 2A/24	
									Article no. 70 565 ...		Article no. 70 564 ...	
	mm	mm	mm	mm	mm	mm			EUR		EUR	
A16M PTFN R/L 11	16	15,0	150	14,0	11	20	2,2	TNM. 1103	147,70	216	147,70	216
A20Q PTFN R/L 11	20	18,5	180	14,0	13	25	2,2	TNM. 1103	199,40	220	199,40	220
A25R PTFN R/L 16	25	23,0	200	17,5	17	32	3	TNM. 1604	222,20	225	222,20	225
A32S PTFN R/L 16	32	30,0	250	18,0	22	40	3	TNM. 1604	229,80	232	229,80	232
A40T PTFN R/L 22	40	38,0	300	27,0	27	50	4	TNM. 2204	256,00	240	256,00	240
S50W PTFN R 22	50	47,0	450	35,0	35	63	4	TNM. 2204			316,80	050

Spare parts

for Article no.

	2A/28		2A/28		2A/28		2A/28		2A/28		2A/28	
	Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...		Article no. 70 950 ...	
	EUR		EUR		EUR		EUR		EUR		EUR	
70 564 216 / 70 565 216	2,45	177					12,59	184	2,12	207		
70 564 220 / 70 565 220	2,45	177					12,59	184	2,12	207		
70 564 225 / 70 565 225	2,45	175	1,76	197	1,22	191	12,48	185	3,19	208	6,94	225
70 564 232 / 70 565 232	2,45	175	1,76	197	1,22	191	12,48	185	3,19	208	6,94	225
70 564 240 / 70 565 240	2,45	176	1,76	198	1,22	192	12,59	187	3,50	209	9,93	226
70 564 050	2,45	176	1,76	198	1,22	192	12,59	187	3,50	209	9,93	226