



PTG

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2026 Fiyat Listesi

Certificate



The certification body of the VQZ Bonn GmbH hereby certifies that the company

PTG Präzisions-Technik Handelsgesellschaft mbH

Große Brenne 11
58099 Hagen
Germany

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in the following scope

Trade and sale of precision twist drill bits and other tools

has successfully established and is applying a management system. The company has verified in an audit, report number B12033-7080, that this management system fulfills the requirements of the standard

DIN EN ISO 9001:2015

Certificate registration no.	12033-3069
This certificate is valid from	2023-01-04
This certificate is valid until	2026-01-03
Bonn-Bad Godesberg,	2022-12-15

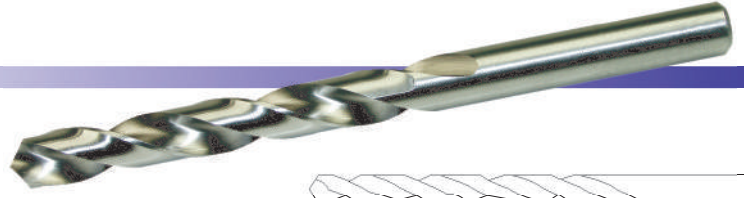



head of certification body
Prof. Dr. Peter Hampe

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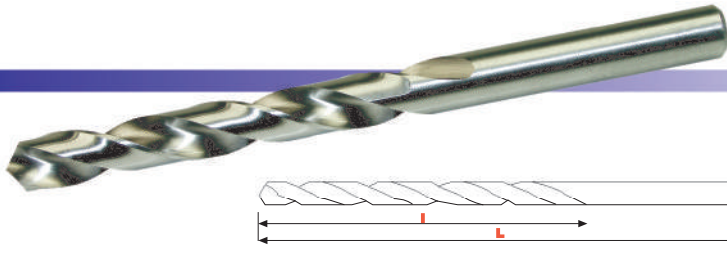
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SİLİNDİRİK SAPLI MATKAP UÇLARI DIN338 HSS TAŞLANMIŞ



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P333810040	0.4mm	20	5	0.85 €	P333810550	5.5mm	93	57	1.15 €
P333810050	0.5mm	22	6	0.85 €	P333810560	5.6mm	93	57	1.30 €
P333810060	0.6mm	24	7	0.85 €	P333810570	5.7mm	93	57	1.30 €
P333810070	0.7mm	28	9	0.85 €	P333810580	5.8mm	93	57	1.30 €
P333810080	0.8mm	30	10	0.85 €	P333810590	5.9mm	93	57	1.30 €
P333810090	0.9mm	32	11	0.85 €	P333810600	6.0mm	93	57	1.30 €
P333810100	1.0mm	34	12	0.45 €	P333810610	6.1mm	101	63	1.60 €
P333810110	1.1mm	36	14	0.65 €	P333810620	6.2mm	101	63	1.60 €
P333810120	1.2mm	38	16	0.65 €	P333810630	6.3mm	101	63	1.60 €
P333810130	1.3mm	38	16	0.65 €	P333810640	6.4mm	101	63	1.60 €
P333810140	1.4mm	40	18	0.65 €	P333810650	6.5mm	101	63	1.60 €
P333810150	1.5mm	40	18	0.50 €	P333810660	6.6mm	101	63	1.85 €
P333810160	1.6mm	43	20	0.90 €	P333810670	6.7mm	101	63	1.85 €
P333810170	1.7mm	43	20	0.90 €	P333810680	6.8mm	109	69	1.85 €
P333810180	1.8mm	46	22	0.90 €	P333810690	6.9mm	109	69	1.85 €
P333810190	1.9mm	46	22	0.90 €	P333810700	7.0mm	109	69	2.00 €
P333810200	2.0mm	49	24	0.45 €	P333810710	7.1mm	109	69	2.05 €
P333810210	2.1mm	49	24	0.60 €	P333810720	7.2mm	109	69	2.05 €
P333810220	2.2mm	53	27	0.60 €	P333810730	7.3mm	109	69	2.05 €
P333810230	2.3mm	53	27	0.60 €	P333810740	7.4mm	109	69	2.05 €
P333810240	2.4mm	57	30	0.60 €	P333810750	7.5mm	109	69	2.05 €
P333810250	2.5mm	57	30	0.50 €	P333810760	7.6mm	117	75	2.50 €
P333810260	2.6mm	57	30	0.65 €	P333810770	7.7mm	117	75	2.50 €
P333810270	2.7mm	61	33	0.65 €	P333810780	7.8mm	117	75	2.50 €
P333810280	2.8mm	61	33	0.65 €	P333810790	7.9mm	117	75	2.50 €
P333810290	2.9mm	61	33	0.65 €	P333810800	8.0mm	117	75	2.50 €
P333810300	3.0mm	61	33	0.60 €	P333810810	8.1mm	117	75	2.80 €
P333810310	3.1mm	65	36	0.70 €	P333810820	8.2mm	117	75	2.80 €
P333810320	3.2mm	65	36	0.70 €	P333810830	8.3mm	117	75	2.80 €
P333810330	3.3mm	65	36	0.70 €	P333810840	8.4mm	117	75	2.80 €
P333810340	3.4mm	70	39	0.70 €	P333810850	8.5mm	117	75	2.75 €
P333810350	3.5mm	70	39	0.65 €	P333810860	8.6mm	125	81	3.60 €
P333810360	3.6mm	70	39	0.90 €	P333810870	8.7mm	125	81	3.60 €
P333810370	3.7mm	70	39	0.90 €	P333810880	8.8mm	125	81	3.60 €
P333810380	3.8mm	75	43	0.90 €	P333810890	8.9mm	125	81	3.60 €
P333810390	3.9mm	75	43	0.90 €	P333810900	9.0mm	125	81	3.25 €
P333810400	4.0mm	75	43	0.75 €	P333810910	9.1mm	125	81	4.00 €
P333810410	4.1mm	75	43	0.95 €	P333810920	9.2mm	125	81	4.00 €
P333810420	4.2mm	75	43	0.95 €	P333810930	9.3mm	125	81	4.00 €
P333810430	4.3mm	80	47	0.95 €	P333810940	9.4mm	125	81	4.00 €
P333810440	4.4mm	80	47	0.95 €	P333810950	9.5mm	125	81	3.60 €
P333810450	4.5mm	80	47	0.95 €	P333810960	9.6mm	133	87	4.65 €
P333810460	4.6mm	80	47	1.15 €	P333810970	9.7mm	133	87	4.65 €
P333810470	4.7mm	80	47	1.15 €	P333810980	9.8mm	133	87	4.65 €
P333810480	4.8mm	86	52	1.15 €	P333810990	9.9mm	133	87	4.65 €
P333810490	4.9mm	86	52	1.15 €	P333811000	10.0mm	133	87	4.30 €
P333810500	5.0mm	86	52	1.00 €	P333811010	10.1mm	133	87	5.05 €
P333810510	5.1mm	86	52	1.20 €	P333811020	10.2mm	133	87	5.05 €
P333810520	5.2mm	86	52	1.20 €	P333811030	10.3mm	133	87	5.05 €
P333810530	5.3mm	86	52	1.20 €	P333811040	10.4mm	133	87	5.05 €
P333810540	5.4mm	93	57	1.20 €	P333811050	10.5mm	133	87	4.60 €

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SİLİNDİRİK SAPLI MATKAP UÇLARI DIN338 HSS TAŞLANMIŞ

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P333811060	10.6mm	133	87	6.90 €	P333811430	14.3mm	169	114	19.95 €
P333811070	10.7mm	142	94	6.90 €	P333811440	14.4mm	169	114	19.95 €
P333811080	10.8mm	142	94	6.90 €	P333811450	14.5mm	169	114	12.30 €
P333811090	10.9mm	142	94	6.90 €	P333811460	14.6mm	169	114	21.50 €
P333811100	11.0mm	142	94	5.40 €	P333811470	14.7mm	169	114	21.50 €
P333811110	11.1mm	142	94	7.65 €	P333811480	14.8mm	169	114	21.50 €
P333811120	11.2mm	142	94	7.65 €	P333811490	14.9mm	169	114	21.50 €
P333811130	11.3mm	142	94	7.65 €	P333811500	15.0mm	169	114	13.95 €
P333811140	11.4mm	142	94	7.65 €	P333811510	15.1mm	178	120	23.05 €
P333811150	11.5mm	142	94	6.30 €	P333811520	15.2mm	178	120	23.05 €
P333811160	11.6mm	142	94	8.50 €	P333811530	15.3mm	178	120	23.05 €
P333811170	11.7mm	142	94	8.50 €	P333811540	15.4mm	178	120	23.05 €
P333811180	11.8mm	142	94	8.50 €	P333811550	15.5mm	178	120	15.30 €
P333811190	11.9mm	151	101	8.50 €	P333811560	15.6mm	178	120	26.10 €
P333811200	12.0mm	151	101	6.90 €	P333811570	15.7mm	178	120	26.10 €
P333811210	12.1mm	151	101	10.00 €	P333811580	15.8mm	178	120	26.10 €
P333811220	12.2mm	151	101	10.00 €	P333811590	15.9mm	178	120	26.10 €
P333811230	12.3mm	151	101	10.00 €	P333811600	16.0mm	178	120	17.00 €
P333811240	12.4mm	151	101	10.00 €	P333811650	16.5mm	184	125	17.70 €
P333811250	12.5mm	151	101	7.65 €	P333811700	17.0mm	184	125	18.50 €
P333811260	12.6mm	151	101	10.75 €	P333811750	17.5mm	191	130	19.25 €
P333811270	12.7mm	151	101	10.75 €	P333811800	18.0mm	191	130	20.00 €
P333811280	12.8mm	151	101	10.75 €	P333811850	18.5mm	198	135	21.00 €
P333811290	12.9mm	151	101	10.75 €	P333811900	19.0mm	198	135	21.50 €
P333811300	13.0mm	151	101	8.50 €	P333811950	19.5mm	205	140	23.00 €
P333811310	13.1mm	151	101	12.30 €	P333812000	20.0mm	205	140	24.50 €
P333811320	13.2mm	151	101	12.30 €	P333812050	20.5mm	213	145	28.00 €
P333811330	13.3mm	160	108	12.30 €	P333812100	21.0mm	213	145	31.00 €
P333811340	13.4mm	160	108	12.30 €	P333812150	21.5mm	221	150	34.00 €
P333811350	13.5mm	160	108	9.25 €	P333812200	22.0mm	221	150	38.00 €
P333811360	13.6mm	160	108	15.35 €	P333812250	22.5mm	229	155	40.00 €
P333811370	13.7mm	160	108	15.35 €	P333812300	23.0mm	229	155	44.00 €
P333811380	13.8mm	160	108	15.35 €	P333812350	23.5mm	229	155	46.00 €
P333811390	13.9mm	160	108	15.35 €	P333812400	24.0mm	236	160	47.50 €
P333811400	14.0mm	160	108	10.75 €	P333812450	24.5mm	236	160	51.00 €
P333811410	14.1mm	169	114	19.95 €	P333812500	25.0mm	236	160	54.00 €
P333811420	14.2mm	169	114	19.95 €					

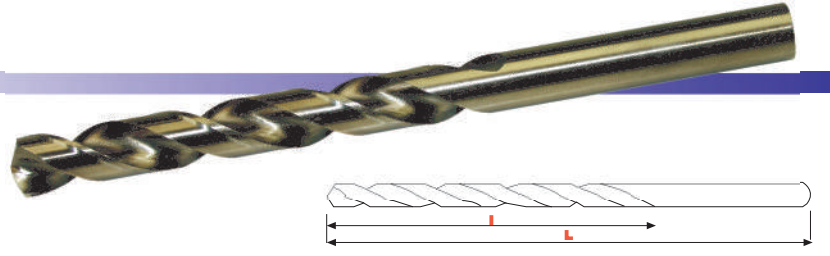


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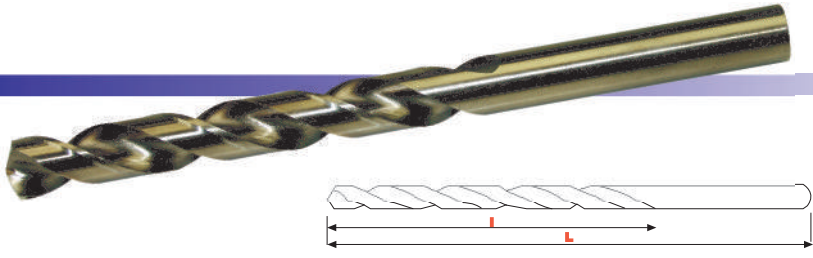
MATKAP UÇ SETİ (HSS) (PLASTİK KUTULU)

KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P333847019	1 - 10mm (19 PARÇA)	HSS	38.50 €
P333847025	1 - 13mm (25 PARÇA)	HSS	71.50 €

ALTIN SERİ MATKAP UÇLARI DIN338 HSS-CO



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P333850100	1.0mm	34	12	1.15 €	P333850610	6.1mm	101	63	5.30 €
P333850110	1.1mm	36	14	1.15 €	P333850620	6.2mm	101	63	5.30 €
P333850120	1.2mm	38	16	1.15 €	P333850630	6.3mm	101	63	5.30 €
P333850130	1.3mm	38	16	1.15 €	P333850640	6.4mm	101	63	5.30 €
P333850140	1.4mm	40	18	1.15 €	P333850650	6.5mm	101	63	4.20 €
P333850150	1.5mm	40	18	1.15 €	P333850660	6.6mm	101	63	5.80 €
P333850160	1.6mm	43	20	1.30 €	P333850670	6.7mm	101	63	5.80 €
P333850170	1.7mm	43	20	1.30 €	P333850680	6.8mm	109	69	5.80 €
P333850180	1.8mm	46	22	1.30 €	P333850690	6.9mm	109	69	5.80 €
P333850190	1.9mm	46	22	1.30 €	P333850700	7.0mm	109	69	5.30 €
P333850200	2.0mm	49	24	1.15 €	P333850710	7.1mm	109	69	7.10 €
P333850210	2.1mm	49	24	1.50 €	P333850720	7.2mm	109	69	7.10 €
P333850220	2.2mm	53	27	1.50 €	P333850730	7.3mm	109	69	7.10 €
P333850230	2.3mm	53	27	1.50 €	P333850740	7.4mm	109	69	7.10 €
P333850240	2.4mm	57	30	1.50 €	P333850750	7.5mm	109	69	5.80 €
P333850250	2.5mm	57	30	1.15 €	P333850760	7.6mm	117	75	8.05 €
P333850260	2.6mm	57	30	1.85 €	P333850770	7.7mm	117	75	8.05 €
P333850270	2.7mm	61	33	1.85 €	P333850780	7.8mm	117	75	8.05 €
P333850280	2.8mm	61	33	1.85 €	P333850790	7.9mm	117	75	8.05 €
P333850290	2.9mm	61	33	1.85 €	P333850800	8.0mm	117	75	7.10 €
P333850300	3.0mm	61	33	1.30 €	P333850810	8.1mm	117	75	8.85 €
P333850310	3.1mm	65	36	1.85 €	P333850820	8.2mm	117	75	8.85 €
P333850320	3.2mm	65	36	1.85 €	P333850830	8.3mm	117	75	8.85 €
P333850330	3.3mm	65	36	1.85 €	P333850840	8.4mm	117	75	8.85 €
P333850340	3.4mm	70	39	1.85 €	P333850850	8.5mm	117	75	7.60 €
P333850350	3.5mm	70	39	1.65 €	P333850860	8.6mm	125	81	10.65 €
P333850360	3.6mm	70	39	2.30 €	P333850870	8.7mm	125	81	10.65 €
P333850370	3.7mm	70	39	2.30 €	P333850880	8.8mm	125	81	10.65 €
P333850380	3.8mm	75	43	2.30 €	P333850890	8.9mm	125	81	10.65 €
P333850390	3.9mm	75	43	2.30 €	P333850900	9.0mm	125	81	8.85 €
P333850400	4.0mm	75	43	1.85 €	P333850910	9.1mm	125	81	11.60 €
P333850410	4.1mm	75	43	2.50 €	P333850920	9.2mm	125	81	11.60 €
P333850420	4.2mm	75	43	2.50 €	P333850930	9.3mm	125	81	11.60 €
P333850430	4.3mm	80	47	2.50 €	P333850940	9.4mm	125	81	11.60 €
P333850440	4.4mm	80	47	2.50 €	P333850950	9.5mm	125	81	9.75 €
P333850450	4.5mm	80	47	2.30 €	P333850960	9.6mm	133	87	13.40 €
P333850460	4.6mm	80	47	2.80 €	P333850970	9.7mm	133	87	13.40 €
P333850470	4.7mm	80	47	2.80 €	P333850980	9.8mm	133	87	13.40 €
P333850480	4.8mm	86	52	2.80 €	P333850990	9.9mm	133	87	13.40 €
P333850490	4.9mm	86	52	2.80 €	P333851000	10.0mm	133	87	12.10 €
P333850500	5.0mm	86	52	2.60 €	P333851010	10.1mm	133	87	14.30 €
P333850510	5.1mm	86	52	3.60 €	P333851020	10.2mm	133	87	14.30 €
P333850520	5.2mm	86	52	3.60 €	P333851030	10.3mm	133	87	14.30 €
P333850530	5.3mm	86	52	3.60 €	P333851040	10.4mm	133	87	14.30 €
P333850540	5.4mm	93	57	3.60 €	P333851050	10.5mm	133	87	12.40 €
P333850550	5.5mm	93	57	3.10 €	P333851060	10.6mm	133	87	14.85 €
P333850560	5.6mm	93	57	4.05 €	P333851070	10.7mm	133	87	14.85 €
P333850570	5.7mm	93	57	4.05 €	P333851080	10.8mm	133	87	14.85 €
P333850580	5.8mm	93	57	4.05 €	P333851090	10.9mm	133	87	14.85 €
P333850590	5.9mm	93	57	4.05 €	P333851100	11.0mm	142	94	14.20 €
P333850600	6.0mm	93	57	3.60 €	P333851110	11.1mm	142	94	17.00 €



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ALTIN SERİ MATKAP UÇLARI DIN338 HSS-CO

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P333851120	11.2mm	142	94	17.00 €	P333851460	14.6mm	169	114	45.55 €
P333851130	11.3mm	142	94	17.00 €	P333851470	14.7mm	169	114	45.55 €
P333851140	11.4mm	142	94	17.00 €	P333851480	14.8mm	169	114	45.55 €
P333851150	11.5mm	142	94	15.95 €	P333851490	14.9mm	169	114	45.55 €
P333851160	11.6mm	142	94	19.15 €	P333851500	15.0mm	169	114	40.50 €
P333851170	11.7mm	142	94	19.15 €	P333851510	15.1mm	178	120	48.60 €
P333851180	11.8mm	142	94	19.15 €	P333851520	15.2mm	178	120	48.60 €
P333851190	11.9mm	151	101	19.15 €	P333851530	15.3mm	178	120	48.60 €
P333851200	12.0mm	151	101	17.70 €	P333851540	15.4mm	178	120	48.60 €
P333851210	12.1mm	151	101	21.30 €	P333851550	15.5mm	178	120	44.30 €
P333851220	12.2mm	151	101	21.30 €	P333851560	15.6mm	178	120	53.15 €
P333851230	12.3mm	151	101	21.30 €	P333851570	15.7mm	178	120	53.15 €
P333851240	12.4mm	151	101	21.30 €	P333851580	15.8mm	178	120	53.15 €
P333851250	12.5mm	151	101	19.50 €	P333851590	15.9mm	178	120	53.15 €
P333851260	12.6mm	151	101	23.40 €	P333851600	16.0mm	178	120	47.45 €
P333851270	12.7mm	151	101	23.40 €	P333851650	16.5mm	184	125	51.25 €
P333851280	12.8mm	151	101	23.40 €	P333851700	17.0mm	184	125	53.15 €
P333851290	12.9mm	151	101	23.40 €	P333851750	17.5mm	191	130	57.00 €
P333851300	13.0mm	151	101	20.90 €	P333851800	18.0mm	191	130	60.00 €
P333851310	13.1mm	151	101	25.05 €	P333851850	18.5mm	198	135	63.50 €
P333851320	13.2mm	151	101	25.05 €	P333851900	19.0mm	198	135	67.00 €
P333851330	13.3mm	160	108	25.05 €	P333851950	19.5mm	205	140	72.00 €
P333851340	13.4mm	160	108	25.05 €	P333852000	20.0mm	205	140	76.00 €
P333851350	13.5mm	160	108	32.00 €	P333852050	20.5mm	213	145	79.50 €
P333851360	13.6mm	160	108	38.40 €	P333852100	21.0mm	213	145	82.50 €
P333851370	13.7mm	160	108	38.40 €	P333852150	21.5mm	221	150	86.00 €
P333851380	13.8mm	160	108	38.40 €	P333852200	22.0mm	221	150	89.00 €
P333851390	13.9mm	160	108	38.40 €	P333852250	22.5mm	229	155	92.50 €
P333851400	14.0mm	160	108	33.50 €	P333852300	23.0mm	229	155	96.00 €
P333851410	14.1mm	169	114	40.25 €	P333852350	23.5mm	229	155	99.00 €
P333851420	14.2mm	169	114	40.25 €	P333852400	24.0mm	236	160	103.50 €
P333851430	14.3mm	169	114	40.25 €	P333852450	24.5mm	236	160	109.00 €
P333851440	14.4mm	169	114	40.25 €	P333852500	25.0mm	236	160	117.00 €
P333851450	14.5mm	169	114	37.95 €					

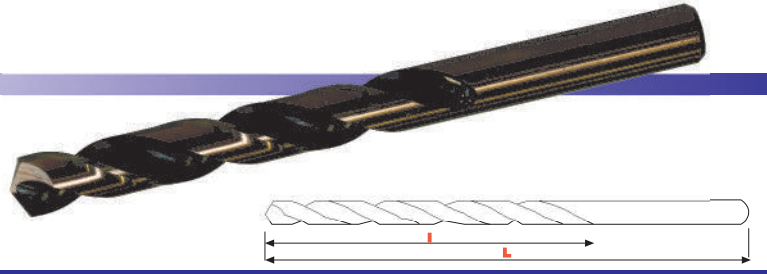


PTG

MATKAP UÇ SETİ (HSS-CO) (PLASTİK KUTULU)

KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P333859019	1 - 10mm (19 PARÇA)	HSS-CO	82.50 €
P333857025	1 - 13mm (25 PARÇA)	HSS-CO	121.00 €

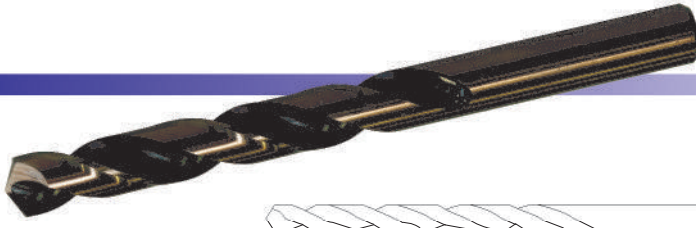
GOLD & BLACK MATKAP UÇLARI DIN338 HSS



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P338020050	0.5mm	22	6	0.85 €	P338020570	5.7mm	93	57	2.20 €
P338020060	0.6mm	24	7	0.85 €	P338020580	5.8mm	93	57	2.20 €
P338020070	0.7mm	28	9	0.85 €	P338020590	5.9mm	93	57	2.20 €
P338020080	0.8mm	30	10	0.85 €	P338020600	6.0mm	93	57	2.00 €
P338020090	0.9mm	32	11	0.85 €	P338020610	6.1mm	101	63	2.40 €
P338020100	1.0mm	34	12	0.50 €	P338020620	6.2mm	101	63	2.40 €
P338020110	1.1mm	36	14	0.65 €	P338020630	6.3mm	101	63	2.40 €
P338020120	1.2mm	38	16	0.65 €	P338020640	6.4mm	101	63	2.40 €
P338020130	1.3mm	38	16	0.65 €	P338020650	6.5mm	101	63	2.20 €
P338020140	1.4mm	40	18	0.65 €	P338020660	6.6mm	101	63	2.55 €
P338020150	1.5mm	40	18	0.65 €	P338020670	6.7mm	101	63	2.55 €
P338020160	1.6mm	43	20	0.65 €	P338020680	6.8mm	109	69	2.55 €
P338020170	1.7mm	43	20	0.65 €	P338020690	6.9mm	109	69	2.55 €
P338020180	1.8mm	46	22	0.65 €	P338020700	7.0mm	109	69	2.35 €
P338020190	1.9mm	46	22	0.65 €	P338020710	7.1mm	109	69	3.15 €
P338020200	2.0mm	49	24	0.50 €	P338020720	7.2mm	109	69	3.15 €
P338020210	2.1mm	49	24	0.75 €	P338020730	7.3mm	109	69	3.15 €
P338020220	2.2mm	53	27	0.75 €	P338020740	7.4mm	109	69	3.15 €
P338020230	2.3mm	53	27	0.75 €	P338020750	7.5mm	109	69	2.65 €
P338020240	2.4mm	57	30	0.75 €	P338020760	7.6mm	117	75	3.50 €
P338020250	2.5mm	57	30	0.65 €	P338020770	7.7mm	117	75	3.50 €
P338020260	2.6mm	57	30	0.75 €	P338020780	7.8mm	117	75	3.50 €
P338020270	2.7mm	61	33	0.75 €	P338020790	7.9mm	117	75	3.50 €
P338020280	2.8mm	61	33	0.75 €	P338020800	8.0mm	117	75	3.20 €
P338020290	2.9mm	61	33	0.75 €	P338020810	8.1mm	117	75	3.80 €
P338020300	3.0mm	61	33	0.70 €	P338020820	8.2mm	117	75	3.80 €
P338020310	3.1mm	65	36	1.00 €	P338020830	8.3mm	117	75	3.80 €
P338020320	3.2mm	65	36	1.00 €	P338020840	8.4mm	117	75	3.80 €
P338020330	3.3mm	65	36	1.00 €	P338020850	8.5mm	117	75	3.50 €
P338020340	3.4mm	70	39	1.00 €	P338020860	8.6mm	125	81	4.45 €
P338020350	3.5mm	70	39	0.85 €	P338020870	8.7mm	125	81	4.45 €
P338020360	3.6mm	70	39	1.00 €	P338020880	8.8mm	125	81	4.45 €
P338020370	3.7mm	70	39	1.00 €	P338020890	8.9mm	125	81	4.45 €
P338020380	3.8mm	75	43	1.00 €	P338020900	9.0mm	125	81	3.80 €
P338020390	3.9mm	75	43	1.00 €	P338020910	9.1mm	125	81	4.75 €
P338020400	4.0mm	75	43	0.95 €	P338020920	9.2mm	125	81	4.75 €
P338020410	4.1mm	75	43	1.30 €	P338020930	9.3mm	125	81	4.75 €
P338020420	4.2mm	75	43	1.30 €	P338020940	9.4mm	125	81	4.75 €
P338020430	4.3mm	80	47	1.30 €	P338020950	9.5mm	125	81	4.45 €
P338020440	4.4mm	80	47	1.30 €	P338020960	9.6mm	133	87	5.70 €
P338020450	4.5mm	80	47	1.10 €	P338020970	9.7mm	133	87	5.70 €
P338020460	4.6mm	80	47	1.60 €	P338020980	9.8mm	133	87	5.70 €
P338020470	4.7mm	80	47	1.60 €	P338020990	9.9mm	133	87	5.70 €
P338020480	4.8mm	86	52	1.60 €	P338021000	10.0mm	133	87	5.05 €
P338020490	4.9mm	86	52	1.60 €	P338021010	10.1mm	133	87	6.35 €
P338020500	5.0mm	86	52	1.60 €	P338021020	10.2mm	133	87	6.35 €
P338020510	5.1mm	86	52	1.80 €	P338021030	10.3mm	133	87	6.35 €
P338020520	5.2mm	86	52	1.80 €	P338021040	10.4mm	133	87	6.35 €
P338020530	5.3mm	86	52	1.80 €	P338021050	10.5mm	133	87	5.30 €
P338020540	5.4mm	93	57	1.80 €	P338021060	10.6mm	133	87	6.95 €
P338020550	5.5mm	93	57	1.90 €	P338021070	10.7mm	142	94	6.95 €
P338020560	5.6mm	93	57	2.20 €	P338021080	10.8mm	142	94	6.95 €

PTG

GOLD & BLACK MATKAP UÇLARI DIN338 HSS



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P338021090	10.9mm	142	94	6.95 €	P338021460	14.6mm	169	114	24.20 €
P338021100	11.0mm	142	94	6.00 €	P338021470	14.7mm	169	114	24.20 €
P338021110	11.1mm	142	94	7.60 €	P338021480	14.8mm	169	114	24.20 €
P338021120	11.2mm	142	94	7.60 €	P338021490	14.9mm	169	114	24.20 €
P338021130	11.3mm	142	94	7.60 €	P338021500	15.0mm	169	114	19.25 €
P338021140	11.4mm	142	94	7.60 €	P338021510	15.1mm	178	120	25.30 €
P338021150	11.5mm	142	94	6.95 €	P338021520	15.2mm	178	120	25.30 €
P338021160	11.6mm	142	94	9.50 €	P338021530	15.3mm	178	120	25.30 €
P338021170	11.7mm	142	94	9.50 €	P338021540	15.4mm	178	120	25.30 €
P338021180	11.8mm	142	94	9.50 €	P338021550	15.5mm	178	120	20.35 €
P338021190	11.9mm	151	101	9.50 €	P338021560	15.6mm	178	120	27.50 €
P338021200	12.0mm	151	101	8.85 €	P338021570	15.7mm	178	120	27.50 €
P338021210	12.1mm	151	101	10.10 €	P338021580	15.8mm	178	120	27.50 €
P338021220	12.2mm	151	101	10.10 €	P338021590	15.9mm	178	120	27.50 €
P338021230	12.3mm	151	101	10.10 €	P338021600	16.0mm	178	120	21.00 €
P338021240	12.4mm	151	101	10.10 €	P338021610	16.1mm	178	120	28.60 €
P338021250	12.5mm	151	101	10.75 €	P338021620	16.2mm	178	120	28.60 €
P338021260	12.6mm	151	101	11.40 €	P338021650	16.5mm	184	125	25.30 €
P338021270	12.7mm	151	101	11.40 €	P338021700	17.0mm	184	125	26.40 €
P338021280	12.8mm	151	101	11.40 €	P338021750	17.5mm	191	130	27.50 €
P338021290	12.9mm	151	101	11.40 €	P338021800	18.0mm	191	130	28.60 €
P338021300	13.0mm	151	101	11.40 €	P338021810	18.1mm	191	130	33.00 €
P338021310	13.1mm	151	101	14.30 €	P338021850	18.5mm	198	135	30.00 €
P338021320	13.2mm	151	101	14.30 €	P338021900	19.0mm	198	135	30.50 €
P338021330	13.3mm	160	108	14.30 €	P338021850	19.5mm	205	140	31.00 €
P338021340	13.4mm	160	108	14.30 €	P338022000	20.0mm	205	140	32.00 €
P338021350	13.5mm	160	108	13.75 €	P338022050	20.5mm	213	145	32.50 €
P338021360	13.6mm	160	108	16.50 €	P338022100	21.0mm	213	145	45.00 €
P338021370	13.7mm	160	108	16.50 €	P338022150	21.5mm	221	150	46.00 €
P338021380	13.8mm	160	108	16.50 €	P338022200	22.0mm	221	150	47.50 €
P338021390	13.9mm	160	108	16.50 €	P338022250	22.5mm	229	155	48.00 €
P338021400	14.0mm	160	108	14.85 €	P338022300	23.0mm	229	155	49.50 €
P338021410	14.1mm	169	114	21.45 €	P338022350	23.5mm	229	155	51.00 €
P338021420	14.2mm	169	114	21.45 €	P338022400	24.0mm	236	160	53.50 €
P338021430	14.3mm	169	114	21.45 €	P338022450	24.5mm	236	160	54.00 €
P338021440	14.4mm	169	114	21.45 €	P338022500	25.0mm	236	160	56.00 €
P338021450	14.5mm	169	114	17.60 €					



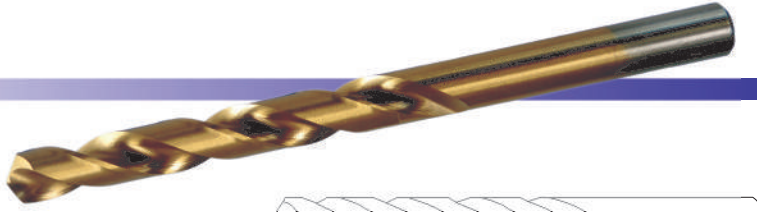
PTG

MATKAP UÇ SETİ (HSS GOLD&BLACK) (PLASTİK KUTULU)

KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P338027019	1 - 10mm (19 PARÇA)	HSS GOLD & BLACK	49.50 €
P338027025	1 - 13mm (25 PARÇA)	HSS GOLD & BLACK	93.50 €

PTG

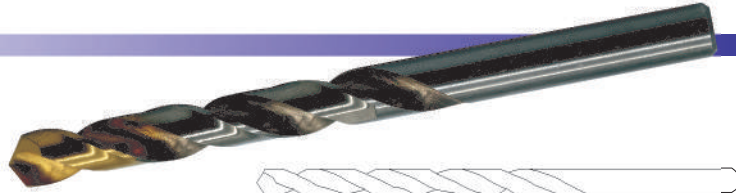
SİLİNDİRİK SAPLI MATKAP UÇLARI DIN338 HSS TIN KAPLI



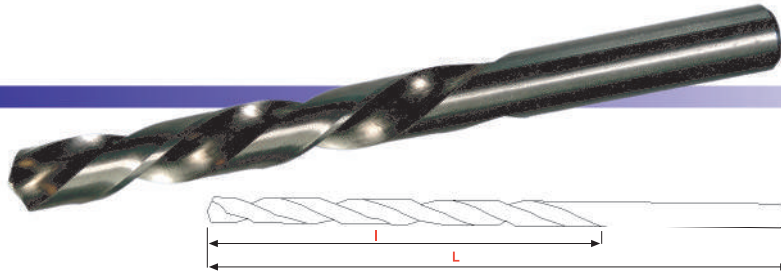
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P233880100	1.0mm	34	12	0.40 €	P233880750	7.5mm	109	69	4.05 €
P233880150	1.5mm	40	18	0.45 €	P233880800	8.0mm	117	75	5.00 €
P233880200	2.0mm	49	24	0.50 €	P233880850	8.5mm	117	75	5.70 €
P233880250	2.5mm	57	30	0.65 €	P233880900	9.0mm	125	81	6.45 €
P233880300	3.0mm	61	33	0.90 €	P233880950	9.5mm	125	81	7.25 €
P233880320	3.2mm	65	36	0.95 €	P233881000	10.0mm	133	87	8.10 €
P233880330	3.3mm	65	36	1.15 €	P233881050	10.5mm	133	87	8.85 €
P233880350	3.5mm	70	39	1.15 €	P233881100	11.0mm	142	94	10.50 €
P233880400	4.0mm	75	43	1.20 €	P233881150	11.5mm	142	94	11.30 €
P233880420	4.2mm	75	43	1.35 €	P233881200	12.0mm	151	101	12.85 €
P233880450	4.5mm	80	47	1.40 €	P233881250	12.5mm	151	101	14.45 €
P233880500	5.0mm	86	52	1.65 €	P233881300	13.0mm	151	101	15.30 €
P233880520	5.2mm	86	52	2.10 €	P233881350	13.5mm	160	108	18.15 €
P233880550	5.5mm	93	57	2.25 €	P233881400	14.0mm	160	108	21.00 €
P233880600	6.0mm	93	57	2.40 €	P233881450	14.5mm	169	114	26.00 €
P233880650	6.5mm	101	63	2.85 €	P233881500	15.0mm	169	114	28.50 €
P233880680	6.8mm	109	69	3.25 €	P233881550	15.5mm	178	120	31.00 €
P233880700	7.0mm	109	69	3.70 €	P233881600	16.0mm	178	120	32.00 €

PTG

SİLİNDİRİK SAPLI MATKAP UÇLARI DIN338 HSS %25 TIN UÇLU



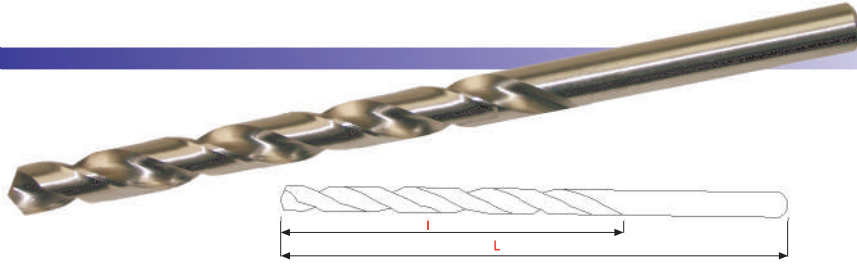
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P433890100	1.0mm	34	12	0.50 €	P433890800	8.0mm	117	75	5.60 €
P433890150	1.5mm	40	18	0.60 €	P433890850	8.5mm	117	75	6.35 €
P433890200	2.0mm	49	24	0.65 €	P433890900	9.0mm	125	81	7.35 €
P433890250	2.5mm	57	30	0.75 €	P433890950	9.5mm	125	81	8.00 €
P433890300	3.0mm	61	33	1.00 €	P433891000	10.0mm	133	87	9.30 €
P433890320	3.2mm	65	36	1.10 €	P433891020	10.2mm	133	87	9.30 €
P433890330	3.3mm	65	36	1.10 €	P433891050	10.5mm	133	87	10.00 €
P433890350	3.5mm	70	39	1.10 €	P433891100	11.0mm	142	94	11.40 €
P433890400	4.0mm	75	43	1.35 €	P433891150	11.5mm	142	94	12.00 €
P433890420	4.2mm	75	43	1.65 €	P433891200	12.0mm	151	101	14.60 €
P433890450	4.5mm	80	47	1.65 €	P433891250	12.5mm	151	101	15.30 €
P433890500	5.0mm	86	52	2.10 €	P433891300	13.0mm	151	101	16.70 €
P433890520	5.2mm	86	52	2.15 €	P433891350	13.5mm	160	108	32.00 €
P433890550	5.5mm	93	57	2.55 €	P433891400	14.0mm	160	108	33.50 €
P433890600	6.0mm	93	57	3.00 €	P433891450	14.5mm	169	114	36.00 €
P433890650	6.5mm	101	63	3.70 €	P433891500	15.0mm	169	114	37.50 €
P433890680	6.8mm	109	69	4.25 €	P433891550	15.5mm	178	120	40.00 €
P433890700	7.0mm	109	69	4.25 €	P433891600	16.0mm	178	120	42.50 €
P433890750	7.5mm	109	69	4.50 €					



PTG

SİLİNDİRİK SAPLI MATKAP UÇLARI DIN338 HSS-SOL TAŞLANMIŞ

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P243380100	1.0mm	34	12	0.90 €	P243380750	7.5mm	109	69	6.25 €
P243380150	1.5mm	40	18	0.90 €	P243380800	8.0mm	117	75	7.10 €
P243380200	2.0mm	49	24	1.30 €	P243380850	8.5mm	117	75	8.85 €
P243380250	2.5mm	57	30	1.35 €	P243380900	9.0mm	125	81	9.90 €
P243380300	3.0mm	61	33	1.35 €	P243380950	9.5mm	125	81	10.55 €
P243380350	3.5mm	70	39	1.60 €	P243381000	10.0mm	133	87	12.40 €
P243380400	4.0mm	75	43	1.80 €	P243381050	10.5mm	133	87	13.30 €
P243380450	4.5mm	80	47	2.30 €	P243381100	11.0mm	142	94	14.20 €
P243380500	5.0mm	86	52	2.75 €	P243381150	11.5mm	142	94	15.90 €
P243380550	5.5mm	93	57	3.20 €	P243381200	12.0mm	151	101	16.90 €
P243380600	6.0mm	93	57	4.50 €	P243381250	12.5mm	151	101	19.40 €
P243380650	6.5mm	101	63	5.35 €	P243381300	13.0mm	151	101	20.30 €
P243380700	7.0mm	109	69	5.75 €					



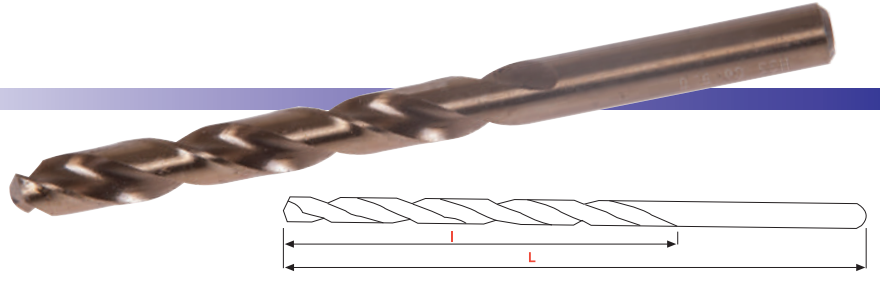
PTG

UZUN SERİ MATKAP UÇLARI DIN340 HSS TAŞLANMIŞ

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334020100	1.0mm	56	33	0.90 €	P334021000	10.0mm	184	121	12.00 €
P334020150	1.5mm	70	45	0.90 €	P334021050	10.5mm	184	121	12.65 €
P334020200	2.0mm	85	56	1.30 €	P334021100	11.0mm	195	128	14.00 €
P334020250	2.5mm	95	62	1.30 €	P334021150	11.5mm	195	128	16.00 €
P334020300	3.0mm	100	66	1.35 €	P334021200	12.0mm	205	134	16.50 €
P334020320	3.2mm	106	69	1.60 €	P334021250	12.5mm	205	134	18.50 €
P334020330	3.3mm	106	69	1.60 €	P334021300	13.0mm	205	134	19.50 €
P334020350	3.5mm	112	73	1.60 €	P334021350	13.5mm	214	140	26.50 €
P334020400	4.0mm	119	78	1.70 €	P334021400	14.0mm	214	140	28.50 €
P334020420	4.2mm	119	78	2.35 €	P334021450	14.5mm	220	144	29.50 €
P334020450	4.5mm	126	82	2.30 €	P334021500	15.0mm	220	144	30.00 €
P334020500	5.0mm	132	87	2.60 €	P334021550	15.5mm	227	149	32.00 €
P334020520	5.2mm	134	90	3.30 €	P334021600	16.0mm	227	149	33.50 €
P334020550	5.5mm	139	91	3.20 €	P334021650	16.5mm	235	154	38.00 €
P334020600	6.0mm	139	91	4.50 €	P334021700	17.0mm	235	154	41.00 €
P334020650	6.5mm	148	97	5.30 €	P334021750	17.5mm	241	158	43.00 €
P334020700	7.0mm	156	102	5.75 €	P334021800	18.0mm	241	158	45.00 €
P334020750	7.5mm	156	102	6.20 €	P334021850	18.5mm	247	162	49.50 €
P334020800	8.0mm	165	109	7.10 €	P334021900	19.0mm	247	162	51.00 €
P334020850	8.5mm	165	109	8.60 €	P334021950	19.5mm	254	166	54.00 €
P334020900	9.0mm	175	115	9.40 €	P334022000	20.0mm	254	166	58.00 €
P334020950	9.5mm	175	115	10.20 €					

PTG

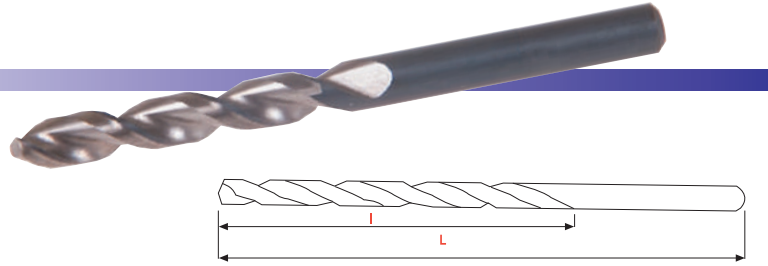
UZUN SERİ MATKAP UÇLARI DIN340 HSS-CO TAŞLANMIŞ



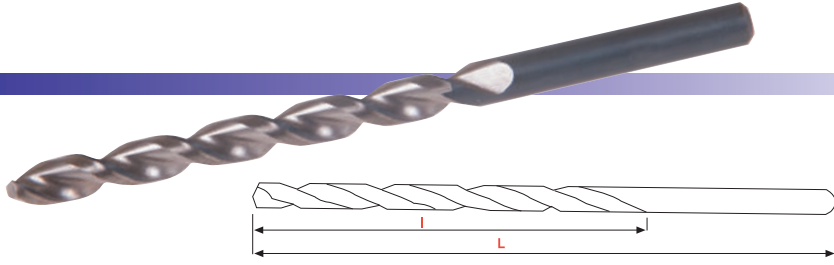
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334050080	0.8mm	56	33	2.95 €	P334050600	6.0mm	139	91	5.75 €
P334050100	1.0mm	56	33	2.40 €	P334050650	6.5mm	148	97	7.00 €
P334050150	1.5mm	70	45	2.55 €	P334050700	7.0mm	156	102	8.50 €
P334050200	2.0mm	85	56	2.60 €	P334050750	7.5mm	156	102	10.10 €
P334050250	2.5mm	95	62	2.70 €	P334050800	8.0mm	165	109	11.00 €
P334050300	3.0mm	100	66	2.75 €	P334050850	8.5mm	165	109	12.50 €
P334050320	3.2mm	106	69	2.80 €	P334050900	9.0mm	175	115	15.50 €
P334050330	3.3mm	106	69	2.95 €	P334050950	9.5mm	175	115	17.50 €
P334050350	3.5mm	112	73	2.75 €	P334051000	10.0mm	184	121	19.50 €
P334050400	4.0mm	119	78	2.80 €	P334051050	10.5mm	184	121	20.50 €
P334050420	4.2mm	119	78	3.50 €	P334051100	11.0mm	195	128	24.00 €
P334050450	4.5mm	126	82	3.50 €	P334051150	11.5mm	195	128	25.00 €
P334050500	5.0mm	132	87	4.80 €	P334051200	12.0mm	205	134	29.00 €
P334050520	5.2mm	134	90	5.25 €	P334051250	12.5mm	205	134	31.00 €
P334050550	5.5mm	139	91	5.60 €	P334051300	13.0mm	205	134	35.00 €

PTG

KISA SERİ MATKAP UÇLARI DIN1897 HSS GT100



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P189710200	2.0mm	38	12	1.20 €	P189710700	7.0mm	74	34	5.45 €
P189710250	2.5mm	43	14	1.35 €	P189710750	7.5mm	74	34	6.20 €
P189710300	3.0mm	46	16	1.70 €	P189710800	8.0mm	79	37	6.85 €
P189710320	3.2mm	49	18	2.15 €	P189710850	8.5mm	79	37	8.25 €
P189710330	3.3mm	49	18	2.15 €	P189710900	9.0mm	84	40	9.55 €
P189710350	3.5mm	52	20	2.15 €	P189710950	9.5mm	84	40	9.55 €
P189710400	4.0mm	55	22	2.15 €	P189711000	10.0mm	89	43	10.55 €
P189710420	4.2mm	55	22	2.80 €	P189711050	10.5mm	89	43	11.00 €
P189710450	4.5mm	58	24	2.80 €	P189711100	11.0mm	95	47	12.30 €
P189710500	5.0mm	62	26	2.90 €	P189711150	11.5mm	95	47	13.60 €
P189710520	5.2mm	62	26	3.75 €	P189711200	12.0mm	102	51	14.50 €
P189710550	5.5mm	66	28	3.75 €	P189711250	12.5mm	102	51	15.00 €
P189710600	6.0mm	66	28	4.20 €	P189711300	13.0mm	102	51	16.50 €
P189710650	6.5mm	70	31	4.90 €					

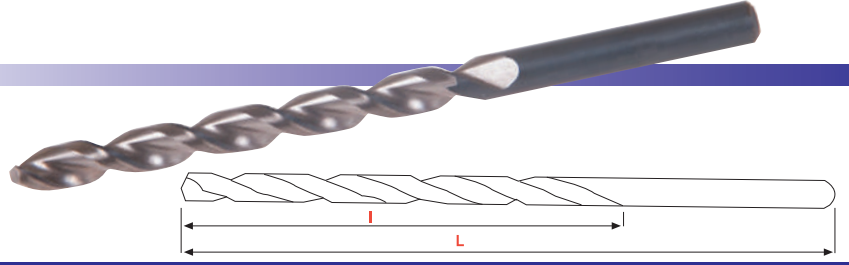


UZUN SERİ MATKAP UÇLARI DIN340 HSS GT100

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334030050	0.5mm	32	12.5	5.05 €	P334030570	5.7mm	139	91	8.15 €
P334030060	0.6mm	35	16.5	5.05 €	P334030580	5.8mm	139	91	8.15 €
P334030070	0.7mm	42	21.5	5.05 €	P334030590	5.9mm	139	91	8.15 €
P334030080	0.8mm	48	25	5.05 €	P334030600	6.0mm	139	91	6.15 €
P334030090	0.9mm	51	29.5	5.05 €	P334030610	6.1mm	148	97	8.85 €
P334030100	1.0mm	56	33	5.05 €	P334030620	6.2mm	148	97	8.85 €
P334030110	1.1mm	60	37	5.05 €	P334030630	6.3mm	148	97	8.85 €
P334030120	1.2mm	65	41	5.05 €	P334030640	6.4mm	148	97	8.85 €
P334030130	1.3mm	65	41	5.05 €	P334030650	6.5mm	148	97	7.15 €
P334030140	1.4mm	70	45	5.05 €	P334030660	6.6mm	148	97	9.80 €
P334030150	1.5mm	70	45	2.80 €	P334030670	6.7mm	148	97	9.80 €
P334030160	1.6mm	76	50	5.05 €	P334030680	6.8mm	156	102	9.80 €
P334030170	1.7mm	76	50	5.05 €	P334030690	6.9mm	156	102	9.80 €
P334030180	1.8mm	80	53	5.05 €	P334030700	7.0mm	156	102	8.15 €
P334030190	1.9mm	80	53	5.05 €	P334030710	7.1mm	156	102	11.25 €
P334030200	2.0mm	85	56	2.85 €	P334030720	7.2mm	156	102	11.25 €
P334030210	2.1mm	85	56	3.80 €	P334030730	7.3mm	156	102	11.25 €
P334030220	2.2mm	90	59	3.80 €	P334030740	7.4mm	156	102	11.25 €
P334030230	2.3mm	90	59	3.80 €	P334030750	7.5mm	156	102	9.15 €
P334030240	2.4mm	95	62	3.80 €	P334030760	7.6mm	165	109	14.25 €
P334030250	2.5mm	95	62	2.85 €	P334030770	7.7mm	165	109	14.25 €
P334030260	2.6mm	95	62	4.05 €	P334030780	7.8mm	165	109	14.25 €
P334030270	2.7mm	100	66	4.05 €	P334030790	7.9mm	165	109	14.25 €
P334030280	2.8mm	100	66	4.05 €	P334030800	8.0mm	165	109	12.25 €
P334030290	2.9mm	100	66	4.05 €	P334030810	8.1mm	165	109	16.75 €
P334030300	3.0mm	100	66	3.05 €	P334030820	8.2mm	165	109	16.75 €
P334030310	3.1mm	106	69	5.15 €	P334030830	8.3mm	165	109	16.75 €
P334030320	3.2mm	106	69	5.15 €	P334030840	8.4mm	165	109	16.75 €
P334030330	3.3mm	106	69	5.15 €	P334030850	8.5mm	165	109	14.25 €
P334030340	3.4mm	112	73	5.15 €	P334030860	8.6mm	175	115	20.25 €
P334030350	3.5mm	112	73	3.75 €	P334030870	8.7mm	175	115	20.25 €
P334030360	3.6mm	112	73	5.45 €	P334030880	8.8mm	175	115	20.25 €
P334030370	3.7mm	112	73	5.45 €	P334030890	8.9mm	175	115	20.25 €
P334030380	3.8mm	119	78	5.45 €	P334030900	9.0mm	175	115	16.35 €
P334030390	3.9mm	119	78	5.45 €	P334030910	9.1mm	175	115	22.25 €
P334030400	4.0mm	119	78	4.05 €	P334030920	9.2mm	175	115	22.25 €
P334030410	4.1mm	119	78	6.15 €	P334030930	9.3mm	175	115	22.25 €
P334030420	4.2mm	119	78	6.15 €	P334030940	9.4mm	175	115	22.25 €
P334030430	4.3mm	126	82	6.15 €	P334030950	9.5mm	175	115	18.25 €
P334030440	4.4mm	126	82	6.15 €	P334030960	9.6mm	184	121	24.35 €
P334030450	4.5mm	126	82	4.55 €	P334030970	9.7mm	184	121	24.35 €
P334030460	4.6mm	126	82	7.15 €	P334030980	9.8mm	184	121	24.35 €
P334030470	4.7mm	126	82	7.15 €	P334030990	9.9mm	184	121	24.35 €
P334030480	4.8mm	132	87	7.15 €	P334031000	10.0mm	184	121	20.25 €
P334030490	4.9mm	132	87	7.15 €	P334031010	10.1mm	184	121	26.40 €
P334030500	5.0mm	132	87	5.15 €	P334031020	10.2mm	184	121	26.40 €
P334030510	5.1mm	132	87	7.75 €	P334031030	10.3mm	184	121	26.40 €
P334030520	5.2mm	132	87	7.75 €	P334031040	10.4mm	184	121	26.40 €
P334030530	5.3mm	132	87	7.75 €	P334031050	10.5mm	184	121	21.25 €
P334030540	5.4mm	139	91	7.75 €	P334031060	10.6mm	184	121	28.40 €
P334030550	5.5mm	139	91	5.60 €	P334031070	10.7mm	195	128	28.40 €
P334030560	5.6mm	139	91	8.15 €	P334031080	10.8mm	195	128	28.40 €

PTG

UZUN SERİ MATKAP UÇLARI DIN340 HSS GT100



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334031090	10.9mm	195	128	28.40 €	P334031390	13.9mm	214	140	69.00 €
P334031100	11.0mm	195	128	22.30 €	P334031400	14.0mm	214	140	50.65 €
P334031110	11.1mm	195	128	30.45 €	P334031410	14.1mm	214	140	75.50 €
P334031120	11.2mm	195	128	30.45 €	P334031420	14.2mm	214	140	75.50 €
P334031130	11.3mm	195	128	30.45 €	P334031430	14.3mm	214	140	75.50 €
P334031140	11.4mm	195	128	30.45 €	P334031440	14.4mm	214	140	75.50 €
P334031150	11.5mm	195	128	24.15 €	P334031450	14.5mm	214	140	55.25 €
P334031160	11.6mm	195	128	36.00 €	P334031460	14.6mm	214	140	81.00 €
P334031170	11.7mm	195	128	36.00 €	P334031470	14.7mm	214	140	81.00 €
P334031180	11.8mm	195	128	36.00 €	P334031480	14.8mm	214	140	81.00 €
P334031190	11.9mm	205	134	36.00 €	P334031490	14.9mm	214	140	81.00 €
P334031200	12.0mm	205	134	26.40 €	P334031500	15.0mm	220	144	61.00 €
P334031210	12.1mm	205	134	36.85 €	P334031510	15.1mm	220	144	91.00 €
P334031220	12.2mm	205	134	36.85 €	P334031520	15.2mm	220	144	91.00 €
P334031230	12.3mm	205	134	36.85 €	P334031530	15.3mm	220	144	91.00 €
P334031240	12.4mm	205	134	36.85 €	P334031540	15.4mm	220	144	91.00 €
P334031250	12.5mm	205	134	28.45 €	P334031550	15.5mm	220	144	65.00 €
P334031260	12.6mm	205	134	40.55 €	P334031560	15.6mm	220	144	94.00 €
P334031270	12.7mm	205	134	40.55 €	P334031570	15.7mm	220	144	94.00 €
P334031280	12.8mm	205	134	40.55 €	P334031580	15.8mm	220	144	94.00 €
P334031290	12.9mm	205	134	40.55 €	P334031590	15.9mm	220	144	94.00 €
P334031300	13.0mm	205	134	30.35 €	P334031600	16.0mm	227	149	69.00 €
P334031310	13.1mm	205	134	63.65 €	P334031650	16.5mm	235	154	74.00 €
P334031320	13.2mm	205	134	63.65 €	P334031700	17.0mm	235	154	87.00 €
P334031330	13.3mm	205	134	63.65 €	P334031750	17.5mm	241	158	95.00 €
P334031340	13.4mm	205	134	63.65 €	P334031800	18.0mm	241	158	100.00 €
P334031350	13.5mm	205	134	46.95 €	P334031850	18.5mm	247	162	102.00 €
P334031360	13.6mm	214	140	69.00 €	P334031900	19.0mm	247	162	119.00 €
P334031370	13.7mm	214	140	69.00 €	P334031950	19.5mm	254	166	124.00 €
P334031380	13.8mm	214	140	69.00 €	P334032000	20.0mm	254	166	131.00 €

PTG

TERS KILAVUZ TAKIMLARI



KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P368881803	M3 - M18	5 Parça	16.50 €
P368882403	M3 - M24	6 Parça	23.00 €
P368885003	M3 - M50	8 Parça	53.00 €



PTG

UZUN SERİ MATKAP UÇLARI DIN1869-1 (GT-100)

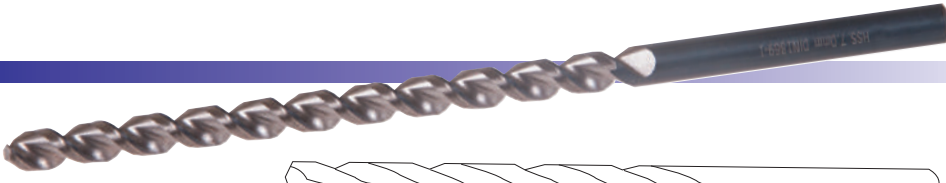
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P318690080	0.8mm	80	50	5.35 €	P318690550	5.5mm	205	140	13.90 €
P318690100	1.0mm	96	60	4.50 €	P318690600	6.0mm	205	140	14.95 €
P318690110	1.1mm	96	60	5.35 €	P318690650	6.5mm	215	150	16.00 €
P318690120	1.2mm	96	60	5.35 €	P381690680	6.8mm	215	150	21.25 €
P318690130	1.3mm	105	66	5.35 €	P318690700	7.0mm	225	155	17.10 €
P318690150	1.5mm	120	80	5.00 €	P318690750	7.5mm	225	155	18.65 €
P318690200	2.0mm	125	85	6.30 €	P318690800	8.0mm	240	165	20.50 €
P318690250	2.5mm	140	95	7.00 €	P318690850	8.5mm	240	165	25.00 €
P318690300	3.0mm	150	100	7.60 €	P318690900	9.0mm	250	175	31.00 €
P318690320	3.2mm	150	100	8.90 €	P318690950	9.5mm	250	175	32.50 €
P318690330	3.3mm	150	100	8.90 €	P318691000	10.0mm	265	185	33.00 €
P318690350	3.5mm	165	115	8.10 €	P318691050	10.5mm	265	185	36.50 €
P318690400	4.0mm	175	120	8.60 €	P318691100	11.0mm	280	195	38.00 €
P318690420	4.2mm	180	125	12.90 €	P318691150	11.5mm	280	195	40.50 €
P318690450	4.5mm	185	125	9.70 €	P318691200	12.0mm	295	205	44.00 €
P318690500	5.0mm	195	135	11.90 €	P318691250	12.5mm	295	205	46.00 €
P318690520	5.2mm	195	135	16.00 €	P318691300	13.0mm	295	205	50.00 €



PTG

UZUN SERİ MATKAP UÇLARI DIN1869-2 (GT-100)

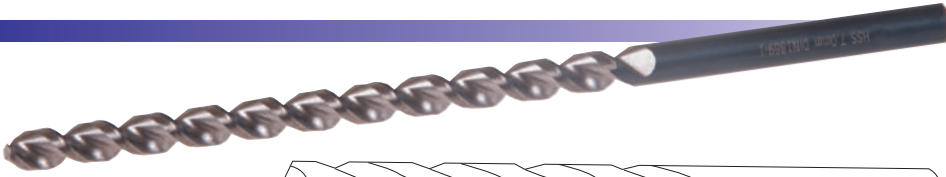
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P418690100	1.0mm	115	80	7.75 €	P418690700	7.0mm	290	200	25.00 €
P418690150	1.5mm	135	90	8.50 €	P418690750	7.5mm	290	200	27.00 €
P418690200	2.0mm	160	110	9.50 €	P418690800	8.0mm	305	210	29.00 €
P418690250	2.5mm	180	120	11.00 €	P418690850	8.5mm	305	210	36.00 €
P418690300	3.0mm	190	130	11.50 €	P418690900	9.0mm	320	220	39.00 €
P418690350	3.5mm	210	145	12.00 €	P418690950	9.5mm	320	220	40.00 €
P418690400	4.0mm	220	150	13.00 €	P418691000	10.0mm	340	235	42.50 €
P418690420	4.2mm	220	150	15.00 €	P418691050	10.5mm	340	235	48.00 €
P418690450	4.5mm	235	160	14.50 €	P418691100	11.0mm	365	250	51.00 €
P418690500	5.0mm	245	170	16.00 €	P418691150	11.5mm	365	250	57.00 €
P418690550	5.5mm	260	180	19.00 €	P418691200	12.0mm	375	260	60.50 €
P418690600	6.0mm	260	180	19.50 €	P418691250	12.5mm	375	260	63.00 €
P418690650	6.5mm	275	190	23.00 €	P418691300	13.0mm	375	260	68.00 €



PTG

**EXTRA ÇOK UZUN SERİ
MATKAP UÇLARI - 500mm**

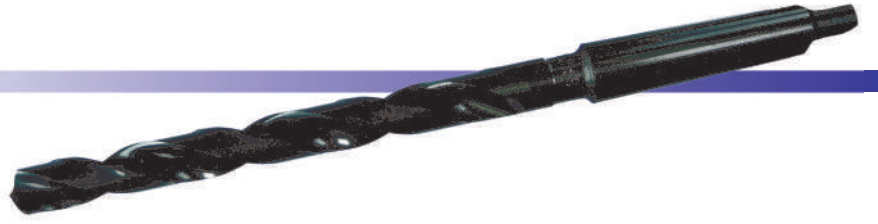
KOD	ÖLÇÜ	L	I	FİYAT
P618690400	4.0mm	500	400	76.50 €
P618690450	4.5mm	500	400	76.50 €
P618690500	5.0mm	500	400	79.50 €
P618690550	5.5mm	500	400	79.50 €
P618690600	6.0mm	500	400	82.50 €
P618690650	6.5mm	500	400	84.00 €
P618690700	7.0mm	500	400	87.00 €
P618690750	7.5mm	500	400	90.00 €
P618690800	8.0mm	500	400	93.00 €
P618690865	8.0mm	600	500	113.00 €
P618690850	8.5mm	500	400	116.00 €
P618690860	8.5mm	600	500	140.00 €
P618690900	9.0mm	500	400	116.00 €
P618691010	10.0mm	480	330	99.00 €
P618691000	10.0mm	600	500	120.00 €
P618691050	10.5mm	600	500	127.00 €
P618691100	11.0mm	600	500	140.00 €
P618691150	11.5mm	600	500	147.00 €
P618691200	12.0mm	600	500	153.00 €



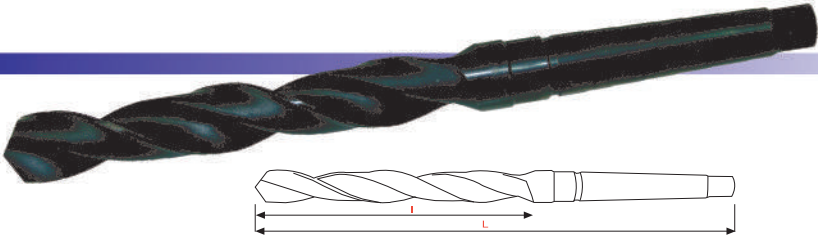
PTG

**EXTRA ÇOK UZUN SERİ
MATKAP UÇLARI - 600mm**

KOD	ÖLÇÜ	L	I	FİYAT
P618691400	14.0mm	480	330	145.00 €
P618691450	14.5mm	480	330	155.00 €
P618691500	15.0mm	600	500	184.00 €
P618691550	15.5mm	600	500	193.00 €
P618691600	16.0mm	600	500	202.00 €
P618691650	16.5mm	600	500	223.00 €
P618691700	17.0mm	600	500	233.00 €
P618691750	17.5mm	600	500	241.00 €
P618691800	18.0mm	600	500	260.00 €
P618691850	18.5mm	600	500	271.00 €
P618691900	19.0mm	600	500	280.00 €
P618691950	19.5mm	600	500	290.00 €
P618692000	20.0mm	600	500	309.00 €



KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P234101400	14.0mm	223	142	46.00 €	P234103050	30.5mm	360	239	204.00 €
P234101450	14.5mm	245	147	48.50 €	P234103100	31.0mm	360	239	206.00 €
P234101500	15.0mm	245	147	50.50 €	P234103150	31.5mm	360	239	214.00 €
P234101550	15.5mm	251	153	53.50 €	P234103200	32.0mm	397	248	247.00 €
P234101600	16.0mm	251	153	55.00 €	P234103250	32.5mm	397	248	267.00 €
P234101650	16.5mm	257	159	57.00 €	P234103300	33.0mm	397	248	291.00 €
P234101700	17.0mm	257	159	57.50 €	P234103350	33.5mm	397	248	308.00 €
P234101750	17.5mm	263	165	58.50 €	P234103400	34.0mm	397	248	315.00 €
P234101800	18.0mm	263	165	59.00 €	P234103450	34.5mm	406	257	333.00 €
P234101850	18.5mm	269	171	60.00 €	P234103500	35.0mm	406	257	337.00 €
P234101900	19.0mm	269	171	61.00 €	P234103550	35.5mm	406	257	349.00 €
P234101950	19.5mm	275	177	66.00 €	P234103600	36.0mm	416	267	359.00 €
P234102000	20.0mm	275	177	69.00 €	P234103650	36.5mm	416	267	378.00 €
P234102050	20.5mm	282	184	79.00 €	P234103700	37.0mm	416	267	383.00 €
P234102100	21.0mm	282	184	81.00 €	P234103750	37.5mm	426	277	395.00 €
P234102150	21.5mm	289	191	89.00 €	P234103800	38.0mm	426	277	407.00 €
P234102200	22.0mm	289	191	92.00 €	P234103850	38.5mm	426	277	448.00 €
P234102250	22.5mm	296	198	100.00 €	P234103900	39.0mm	426	277	455.00 €
P234102300	23.0mm	296	198	103.00 €	P234103950	39.5mm	426	277	469.00 €
P234102350	23.5mm	319	198	107.00 €	P234104000	40.0mm	426	277	472.00 €
P234102400	24.0mm	327	206	112.00 €	P234104050	40.5mm	436	287	475.00 €
P234102450	24.5mm	327	206	120.00 €	P234104100	41.0mm	436	287	482.00 €
P234102500	25.0mm	327	206	123.00 €	P234104150	41.5mm	436	287	490.00 €
P234102550	25.5mm	335	214	134.00 €	P234104200	42.0mm	436	287	502.00 €
P234102600	26.0mm	335	214	138.00 €	P234104250	42.5mm	436	287	555.00 €
P234102650	26.5mm	335	214	143.00 €	P234104300	43.0mm	447	298	567.00 €
P234102700	27.0mm	343	222	149.00 €	P234104400	44.0mm	447	298	593.00 €
P234102750	27.5mm	343	222	156.00 €	P234104500	45.0mm	447	298	616.00 €
P234102800	28.0mm	343	222	161.00 €	P234104600	46.0mm	459	310	663.00 €
P234102850	28.5mm	351	230	175.00 €	P234104700	47.0mm	459	310	691.00 €
P234102900	29.0mm	351	230	180.00 €	P234104800	48.0mm	470	321	735.00 €
P234102950	29.5mm	351	230	185.00 €	P234104900	49.0mm	470	321	765.00 €
P234103000	30.0mm	351	230	188.00 €	P234105000	50.0mm	470	321	795.00 €

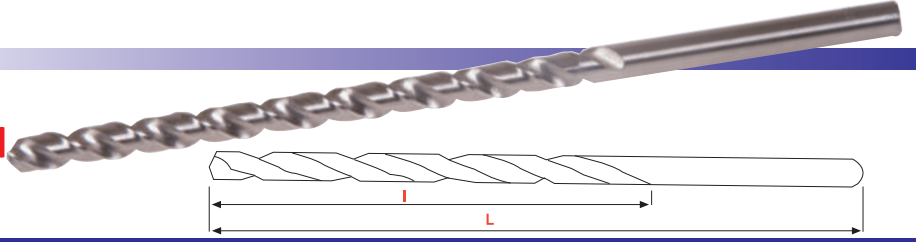


PTG

KONİK SAPLI MATKAP UÇLARI DIN345

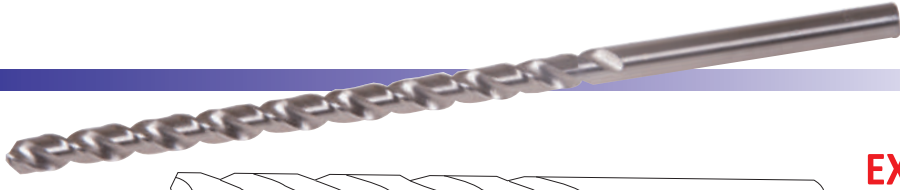
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334500800	8.0mm	156	75	15.00 €	P334503400	34.0mm	339	190	133.00 €
P334500850	8.5mm	156	75	15.00 €	P334503450	34.5mm	339	190	138.00 €
P334500900	9.0mm	162	81	15.00 €	P334503500	35.0mm	339	190	138.00 €
P334500950	9.5mm	162	81	15.00 €	P334503550	35.5mm	339	190	146.00 €
P334501000	10.0mm	168	87	15.00 €	P334503600	36.0mm	344	195	146.00 €
P334501050	10.5mm	168	87	15.00 €	P334503650	36.5mm	344	195	153.00 €
P334501100	11.0mm	175	94	15.00 €	P334503700	37.0mm	344	195	153.00 €
P334501150	11.5mm	175	94	15.00 €	P334503750	37.5mm	344	195	160.00 €
P334501200	12.0mm	182	101	15.90 €	P334503800	38.0mm	349	200	160.00 €
P334501250	12.5mm	182	101	15.90 €	P334503850	38.5mm	349	200	166.00 €
P334501300	13.0mm	182	101	16.80 €	P334503900	39.0mm	349	200	166.00 €
P334501350	13.5mm	189	108	16.80 €	P334503950	39.5mm	349	200	170.00 €
P334501400	14.0mm	189	108	17.65 €	P334504000	40.0mm	349	200	170.00 €
P334501450	14.5mm	212	114	18.55 €	P334504050	40.5mm	354	205	200.00 €
P334501500	15.0mm	212	114	18.55 €	P334504100	41.0mm	354	205	200.00 €
P334501550	15.5mm	218	120	19.35 €	P334504150	41.5mm	354	205	205.00 €
P334501600	16.0mm	218	120	20.25 €	P334504200	42.0mm	354	205	205.00 €
P334501650	16.5mm	223	125	21.15 €	P334504250	42.5mm	354	205	213.00 €
P334501700	17.0mm	223	125	21.15 €	P334504300	43.0mm	359	210	213.00 €
P334501750	17.5mm	228	130	22.10 €	P334504350	43.5mm	359	210	223.00 €
P334501800	18.0mm	228	130	23.00 €	P334504400	44.0mm	359	210	223.00 €
P334501850	18.5mm	233	135	24.70 €	P334504450	44.5mm	359	210	228.00 €
P334501900	19.0mm	233	135	25.65 €	P334504500	45.0mm	359	210	228.00 €
P334501950	19.5mm	238	140	26.45 €	P334504550	45.5mm	364	215	251.00 €
P334502000	20.0mm	238	140	26.45 €	P334504600	46.0mm	364	215	251.00 €
P334502050	20.5mm	243	145	32.00 €	P334504650	46.5mm	364	215	256.00 €
P334502100	21.0mm	243	145	32.90 €	P334504700	47.0mm	364	215	256.00 €
P334502150	21.5mm	248	150	33.65 €	P334504750	47.5mm	364	215	268.00 €
P334502200	22.0mm	248	150	33.65 €	P334504800	48.0mm	369	220	268.00 €
P334502250	22.5mm	253	155	35.25 €	P334504850	48.5mm	369	220	275.00 €
P334502300	23.0mm	253	155	35.25 €	P334504900	49.0mm	369	220	275.00 €
P334502350	23.5mm	276	155	38.70 €	P334504950	49.5mm	369	220	282.00 €
P334502400	24.0mm	281	160	38.70 €	P334505000	50.0mm	369	220	282.00 €
P334502450	24.5mm	281	160	44.00 €	P334505100	51.0mm	412	225	339.00 €
P334502500	25.0mm	281	160	44.00 €	P334505200	52.0mm	412	225	343.00 €
P334502550	25.5mm	286	165	45.00 €	P334505300	53.0mm	412	225	352.00 €
P334502600	26.0mm	286	165	45.80 €	P334505400	54.0mm	417	230	361.00 €
P334502650	26.5mm	286	165	48.45 €	P334505500	55.0mm	417	230	370.00 €
P334502700	27.0mm	291	170	49.75 €	P334505600	56.0mm	417	230	405.00 €
P334502750	27.5mm	291	170	51.25 €	P334505700	57.0mm	422	235	414.00 €
P334502800	28.0mm	291	170	51.25 €	P334505800	58.0mm	422	235	424.00 €
P334502850	28.5mm	296	175	55.30 €	P334505900	59.0mm	422	235	430.00 €
P334502900	29.0mm	296	175	55.30 €	P334506000	60.0mm	422	235	458.00 €
P334502950	29.5mm	296	175	58.45 €	P334506100	61.0mm	427	240	480.00 €
P334503000	30.0mm	296	175	58.45 €	P334506200	62.0mm	427	240	480.00 €
P334503050	30.5mm	301	180	65.50 €	P334506300	63.0mm	427	240	480.00 €
P334503100	31.0mm	301	180	65.50 €	P334506400	64.0mm	427	240	480.00 €
P334503150	31.5mm	301	180	69.00 €	P334506500	65.0mm	432	245	480.00 €
P334503200	32.0mm	334	185	74.50 €	P334506600	66.0mm	433	246	509.00 €
P334503250	32.5mm	334	185	124.00 €	P334506700	67.0mm	434	247	509.00 €
P334503300	33.0mm	334	185	128.00 €	P334506800	68.0mm	435	248	509.00 €
P334503350	33.5mm	334	185	131.00 €	P334507000	70.0mm	436	249	509.00 €

EXTRA UZUN MATKAP UÇLARI DIN1869(N tipi)



KOD	ÖLÇÜ	L	I	FİYAT
DIN1869-1				
PT318690200	2.0mm	125	85	3.20 €
PT318690250	2.5mm	140	95	3.85 €
PT318690300	3.0mm	150	100	4.70 €
PT318690350	3.5mm	165	115	5.50 €
PT318690400	4.0mm	175	120	6.35 €
PT318690420	4.2mm	180	125	7.35 €
PT318690450	4.5mm	185	125	7.55 €
PT318690500	5.0mm	195	135	8.90 €
PT318690550	5.5mm	205	140	10.45 €
PT318690600	6.0mm	205	140	11.55 €
PT318690650	6.5mm	215	150	13.00 €
PT318690680	6.8mm	225	155	18.00 €
PT318690700	7.0mm	225	155	15.00 €
PT318690750	7.5mm	225	155	16.50 €
PT318690800	8.0mm	240	165	19.50 €
PT318690850	8.5mm	240	165	21.00 €
PT318690900	9.0mm	250	175	25.00 €
PT318690950	9.5mm	250	175	28.00 €
PT318691000	10.0mm	265	185	30.00 €
PT318691050	10.5mm	265	185	31.00 €
PT318691100	11.0mm	280	195	35.00 €
PT318691150	11.5mm	280	195	36.00 €
PT318691200	12.0mm	295	205	37.00 €
PT318691250	12.5mm	295	205	40.00 €
PT318691300	13.0mm	295	205	43.00 €
DIN1869-2				
PT328690200	2.0mm	160	110	4.70 €
PT328690250	2.5mm	180	120	5.30 €
PT328690300	3.0mm	190	130	5.30 €
PT328690350	3.5mm	210	145	6.30 €
PT328690400	4.0mm	220	150	7.75 €
PT328690450	4.5mm	235	160	8.90 €
PT328690500	5.0mm	245	170	10.43 €
PT328690550	5.5mm	260	180	12.75 €
PT328690600	6.0mm	260	180	15.00 €
PT328690650	6.5mm	275	190	16.00 €
PT328690700	7.0mm	290	200	18.00 €
PT328690750	7.5mm	290	200	20.00 €
PT328690800	8.0mm	305	210	23.00 €
PT328690850	8.5mm	305	210	24.00 €
PT328690900	9.0mm	320	220	30.00 €
PT328690950	9.5mm	320	220	31.00 €
PT328691000	10.0mm	340	235	37.00 €
PT328691050	10.5mm	340	235	38.00 €
PT328691100	11.0mm	365	250	40.00 €
PT328691150	11.5mm	365	250	45.00 €
PT328691200	12.0mm	375	260	55.00 €
PT328691250	12.5mm	375	260	59.00 €
PT328691300	13.0mm	375	260	63.00 €

PTG



EXTRA UZUN MATKAP UÇLARI DIN1869(N tipi)

KOD	ÖLÇÜ	L	I	FİYAT
DIN1869-3				
PT338690200	2.0mm	160	110	6.90 €
PT338690250	2.5mm	180	120	7.30 €
PT338690300	3.0mm	240	160	8.00 €
PT338690350	3.5mm	265	180	8.20 €
PT338690400	4.0mm	280	190	9.50 €
PT338690450	4.5mm	295	200	10.50 €
PT338690500	5.0mm	315	210	11.50 €
PT338690550	5.5mm	330	225	15.50 €
PT338690600	6.0mm	330	225	19.00 €
PT338690650	6.5mm	350	235	20.00 €
PT338690700	7.0mm	370	250	24.00 €
PT338690750	7.5mm	370	250	29.00 €
PT338690800	8.0mm	390	265	33.00 €
PT338690850	8.5mm	390	265	34.50 €
PT338690900	9.0mm	410	280	39.50 €
PT338690950	9.5mm	410	280	46.00 €
PT338691000	10.0mm	430	295	53.00 €
PT338691050	10.5mm	430	295	57.00 €
PT338691100	11.0mm	455	310	61.00 €
PT338691150	11.5mm	455	310	65.00 €
PT338691200	12.0mm	480	330	70.00 €
PT338691250	12.5mm	480	330	77.00 €
PT338691300	13.0mm	480	330	82.00 €

PTG

PUNTA MATKAP UÇLARI HSS DIN333 FORM A



KOD	ÖLÇÜ	L	d	FİYAT
DIN333 FORM A				
P233300080	0.80mm	315	3.15	4.40 €
P233300100	1.00mm	31.5	3.15	2.40 €
P233300125	1.25mm	31.5	3.15	2.45 €
P233300160	1.60mm	35.5	4	2.75 €
P233300200	2.00mm	40	5	2.85 €
P233300250	2.50mm	45	6.30	3.85 €
P233300315	3.15mm	50	8	4.65 €
P233300400	4.00mm	56	10	6.05 €
P233300500	5.00mm	63	12.5	8.80 €
P233300630	6.30mm	71	16	14.85 €
P233300800	8.00mm	80	20	27.50 €
P233301000	10.0mm	100	25	49.50 €



DIN333 FORM A UZUN				
P231200100	1.00mm	120	3.15	3.85 €
P231200125	1.25mm	120	3.15	4.65 €
P231200160	1.60mm	120	4	5.50 €
P231200200	2.00mm	120	5	6.60 €
P231200250	2.50mm	120	6.30	7.45 €
P231200315	3.15mm	120	8	10.45 €
P231200400	4.00mm	120	10	14.30 €
P231200500	5.00mm	120	12	18.70 €

PTG

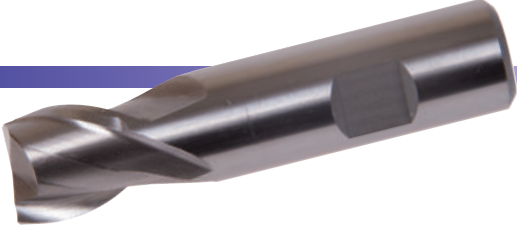
PUNTA ÇÜRÜTME MATKAP UÇ. HSS-CO5 DIN1897



KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P218980600	6 X 66mm		8.35 €
P218980700	7 X 74mm		10.45 €
P218980800	8 X 79mm		11.85 €
P218981000	10 X 89mm		18.10 €
P218900600TIN	6 X 66mm	TIN KAPLAMA	11.15 €
P218900700TIN	7 X 74mm	TIN KAPLAMA	12.55 €
P218900800TIN	8 X 79mm	TIN KAPLAMA	15.35 €
P218901000TIN	10 X 89mm	TIN KAPLAMA	19.50 €
P218940800	8 X 44mm	HSS-E KAPLAMASIZ	11.15 €
P218950800TIN	8 X 47mm	HSS-E TIN KAPLAMA	12.55 €

**PTG****PARMAK FREZELER
DIN844-BN HSS-CO**

KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P384410200	2.0mm	51	7	7.00 €	P384411900	19.0mm	104	38	37.95 €
P384410250	2.5mm	52	8	7.00 €	P384412000	20.0mm	104	38	40.50 €
P384410300	3.0mm	52	8	7.60 €	P384412100	21.0mm	104	38	47.00 €
P384410400	4.0mm	55	11	7.60 €	P384412200	22.0mm	104	38	53.00 €
P384410500	5.0mm	57	13	7.60 €	P384412300	23.0mm	121	38	68.00 €
P384410600	6.0mm	57	13	12.65 €	P384412400	24.0mm	121	45	71.00 €
P384410700	7.0mm	66	16	15.20 €	P384412500	25.0mm	121	45	88.50 €
P384410800	8.0mm	69	19	16.45 €	P384412600	26.0mm	121	45	76.00 €
P384410900	9.0mm	69	19	17.70 €	P384412700	27.0mm	121	45	81.00 €
P384411000	10.0mm	72	22	17.70 €	P384412800	28.0mm	121	45	83.50 €
P384411100	11.0mm	79	22	19.00 €	P384412900	29.0mm	121	45	95.00 €
P384411200	12.0mm	83	26	19.00 €	P384413000	30.0mm	121	45	96.00 €
P384411300	13.0mm	83	26	19.00 €	P384413200	32.0mm	133	53	120.00 €
P384411400	14.0mm	83	26	22.80 €	P384413400	34.0mm	133	53	139.00 €
P384411500	15.0mm	83	26	24.00 €	P384413500	35.0mm	133	53	152.00 €
P384411600	16.0mm	92	32	25.30 €	P384413600	36.0mm	133	53	158.00 €
P384411700	17.0mm	92	32	30.35 €	P384413800	38.0mm	133	53	202.00 €
P384411800	18.0mm	92	38	31.65 €	P384414000	40.0mm	133	53	215.00 €

**PTG****2 AĞIZ PARMAC FREZELER
DIN327**

KOD	ÖLÇÜ	I	L	d	FİYAT
P84362902	2.0mm	7	54	6	9.00 €
P84362903	3.0mm	8	56	6	10.00 €
P84362904	4.0mm	11	63	6	10.00 €
P84362905	5.0mm	13	68	6	11.00 €
P84362905	6.0mm	13	68	6	11.00 €
P84362907	7.0mm	16	80	10	13.50 €
P84362908	8.0mm	19	88	10	14.50 €
P84362910	10.0mm	22	95	10	16.50 €
P84362912	12.0mm	26	110	12	19.00 €
P84362914	14.0mm	26	110	12	24.50 €
P84362916	16.0mm	32	123	16	29.00 €
P84362918	18.0mm	32	123	16	32.50 €
P84362920	20.0mm	38	141	20	43.50 €

PTG

KABATALAŞ PARMAK FREZELER DIN844 - BNR HSS-CO



KOD	ÖLÇÜ	L	d	FİYAT
HSS-CO %8 - KISA				
P384430800	8.0mm	69	19	25.30 €
P384431000	10.0mm	72	22	31.60 €
P384431200	12.0mm	83	26	38.00 €
P384431400	14.0mm	83	26	44.00 €
P384431600	16.0mm	92	32	57.00 €
P384431800	18.0mm	92	32	71.00 €
P384432000	20.0mm	104	38	88.50 €
P384432200	22.0mm	104	38	91.00 €
P384432400	24.0mm	121	45	95.00 €
P384432500	25.0mm	121	45	126.50 €
HSS-CO %8 - UZUN				
P384440800	8.0mm	88	38	25.50 €
P384441000	10.0mm	95	45	25.50 €
P384441200	12.0mm	110	53	33.00 €
P384441400	14.0mm	110	53	39.00 €
P384441600	16.0mm	123	63	49.00 €
P384441800	18.0mm	123	63	59.50 €
P384442000	20.0mm	141	75	76.00 €

PTG

KABATALAŞ PARMAK FREZELER DIN844 - BNR HSS UZUN



KOD	ÖLÇÜ	L	I	FİYAT
P84396505	5.0mm	64	22	14.80 €
P84396506	6.0mm	68	24	16.50 €
P84396508	8.0mm	88	38	20.50 €
P84396510	10.0mm	95	45	22.50 €
P84396512	12.0mm	110	53	26.50 €
P84396514	14.0mm	110	53	31.50 €
P84396516	16.0mm	123	63	39.50 €
P84396518	18.0mm	123	63	49.50 €
P84396520	20.0mm	141	75	60.00 €
P84396525	25.0mm	166	90	99.00 €
P84396530	30.0mm	166	90	148.00 €
P84396532	32.0mm	186	106	187.00 €



PTG

EL RAYBALARI
DIN206 HSS FORM B

KOD	ÖLÇÜ	L1	L2	g	FİYAT	KOD	ÖLÇÜ	L1	L2	g	FİYAT
P220600200	2.0mm	50	25	1.6	11.75 €	P220601700	17.0mm	175	87	12.5	53.50 €
P220600250	2.5mm	58	29	2.1	13.50 €	P220601800	18.0mm	188	93	14	50.00 €
P220600300	3.0mm	62	31	2.24	11.75 €	P220601900	19.0mm	188	93	14	62.00 €
P220600350	3.5mm	71	35	2.7	13.50 €	P220602000	20.0mm	201	100	16	59.00 €
P220600400	4.0mm	76	38	3.15	11.75 €	P220602100	21.0mm	201	100	16	75.00 €
P220600450	4.5mm	81	41	3.55	13.50 €	P220602200	22.0mm	215	107	18	71.00 €
P220600500	5.0mm	87	44	4.0	11.75 €	P220602300	23.0mm	215	107	18	88.50 €
P220600550	5.5mm	93	47	4.5	13.50 €	P220602400	24.0mm	231	115	20	85.00 €
P220600600	6.0mm	93	47	4.5	13.50 €	P220602500	25.0mm	231	115	20	92.50 €
P220600650	6.5mm	100	50	5.0	15.00 €	P220602600	26.0mm	231	115	20	100.00 €
P220600700	7.0mm	107	54	5.6	13.50 €	P220602700	27.0mm	247	124	22.4	109.00 €
P220600750	7.5mm	107	54	5.6	20.00 €	P220602800	28.0mm	247	124	22.4	117.00 €
P220600800	8.0mm	115	58	6.3	18.50 €	P220602900	29.0mm	247	124	22.4	137.00 €
P220600850	8.5mm	115	58	6.3	20.00 €	P220603000	30.0mm	247	124	22.4	137.00 €
P220600900	9.0mm	124	62	7.1	20.00 €	P220603100	31.0mm	265	133	25	150.00 €
P220601000	10.0mm	133	62	8.0	23.50 €	P220603200	32.0mm	265	133	25	160.00 €
P220601050	10.5mm	133	66	8.0	28.50 €	P220603300	33.0mm	265	133	25	164.00 €
P220601100	11.0mm	142	71	9.0	28.50 €	P220603400	34.0mm	265	133	25	187.00 €
P220601200	12.0mm	152	76	10.0	28.50 €	P220603500	35.0mm	284	142	28	200.00 €
P220601300	13.0mm	152	76	10.0	42.00 €	P220603600	36.0mm	284	142	28	210.00 €
P220601400	14.0mm	163	81	11.2	53.50 €	P220603700	37.0mm	284	142	28	226.00 €
P220601500	15.0mm	163	81	11.2	47.00 €	P220603800	38.0mm	305	152	31.5	251.00 €
P220601600	16.0mm	175	87	12.5	42.00 €	P220604000	40.0mm	305	152	31.5	267.00 €



PTG

SİLİNDİRİK SAPLI MAKİNA RAYBALARI
DIN212 HSS-CO FORM B/D

KOD	ÖLÇÜ	L1	L2	FİYAT	KOD	ÖLÇÜ	L1	L2	FİYAT
P221250200	2.0mm	49	11	13.50 €	P221251000	10.0mm	133	38	25.00 €
P221250250	2.5mm	57	14	13.50 €	P221251100	11.0mm	142	41	30.50 €
P221250300	3.0mm	61	15	13.50 €	P221251200	12.0mm	151	44	33.50 €
P221250350	3.5mm	70	18	13.50 €	P221251300	13.0mm	151	44	41.50 €
P221250400	4.0mm	75	19	13.50 €	P221251400	14.0mm	160	47	44.50 €
P221250450	4.5mm	80	21	13.50 €	P221251500	15.0mm	162	50	47.50 €
P221250500	5.0mm	86	23	13.50 €	P221251600	16.0mm	170	52	47.50 €
P221250600	6.0mm	93	26	13.50 €	P221251700	17.0mm	175	54	50.00 €
P221250700	7.0mm	109	31	13.50 €	P221251800	18.0mm	182	56	50.00 €
P221250800	8.0mm	117	33	15.00 €	P221251900	19.0mm	189	58	63.50 €
P221250900	9.0mm	125	36	19.50 €	P221252000	20.0mm	195	60	67.50 €

PTG

MAKİNA RAYBALARI DIN208 HSS-CO FORM B



KOD	ÖLÇÜ	L1	L2	FİYAT
P220851000	10.0mm	168	38	37.00 €
P220851100	11.0mm	175	41	45.50 €
P220851200	12.0mm	182	44	42.50 €
P220851300	13.0mm	182	44	47.00 €
P220851400	14.0mm	189	47	45.50 €
P220851500	15.0mm	204	50	54.00 €
P220851600	16.0mm	210	52	50.00 €
P220851700	17.0mm	214	54	57.00 €
P220851800	18.0mm	219	56	51.50 €
P220851900	19.0mm	223	58	62.00 €
P220852000	20.0mm	228	60	59.00 €
P220852100	21.0mm	232	62	71.00 €
P220852200	22.0mm	237	64	67.50 €
P220852300	23.0mm	241	66	75.00 €
P220852400	24.0mm	268	68	73.00 €
P220852500	25.0mm	268	68	75.50 €
P220852600	26.0mm	273	70	84.00 €
P220852800	28.0mm	277	71	92.50 €
P220853000	30.0mm	281	73	117.00 €
P220853200	32.0mm	317	77	133.50 €
P220853500	35.0mm	321	78	158.50 €
P220854000	40.0mm	329	81	201.00 €

PTG

PİM RAYBALARI DIN9 HSS-CO



KOD	ÖLÇÜ	L1	L2	FİYAT
P220900150	1.5mm	68	48	22.00 €
P220900200	2.0mm	68	48	22.00 €
P220900250	2.5mm	68	48	22.00 €
P220900300	3.0mm	80	58	24.00 €
P220900400	4.0mm	93	68	24.00 €
P220900500	5.0mm	100	73	28.00 €
P220900600	6.0mm	135	105	30.50 €
P220900800	8.0mm	180	145	43.50 €
P220901000	10.0mm	215	175	72.00 €
P220901200	12.0mm	255	210	104.00 €
P220901400	14.0mm	280	230	128.00 €
P220901600	16.0mm	280	230	160.00 €
P220901800	18.0mm	310	250	192.00 €
P220902000	20.0mm	310	250	224.00 €

KARBÜR KALIPÇI FREZELER

KOD	ÖLÇÜ	L	I	d	FİYAT	KOD	ÖLÇÜ	L	I	d	FİYAT
 FORM A						 FORM B					
P2710010300	3.0mm	38	14	3	4.00 €	P2710020300	3.0mm	38	14	3	4.50 €
P2710010600	6.0mm	56	16	6	7.95 €	P2710020600	6.0mm	56	16	6	7.60 €
P2710010800	8.0mm	60	20	6	11.70 €	P2710020800	8.0mm	60	20	6	11.50 €
P2710011000	10.0mm	60	20	6	15.90 €	P2710021000	10.0mm	60	20	6	14.70 €
P2710011200	12.0mm	65	25	6	25.50 €	P2710021200	12.0mm	65	25	6	24.60 €
P2710011600	16.0mm	65	25	6	36.90 €	P2710021600	16.0mm	65	25	6	37.80 €
 FORM C						 FORM D					
P2710030300	3.0mm	38	14	3	4.00 €	P2710050300	3.0mm	40	3	3	5.00 €
P2710030600	6.0mm	56	16	6	8.00 €	P2710050600	6.0mm	45	5	6	5.85 €
P2710030800	8.0mm	60	20	6	11.70 €	P2710050800	8.0mm	47	7	6	7.20 €
P2710031000	10.0mm	60	20	6	15.90 €	P2710051000	10.0mm	49	9	6	8.70 €
P2710031200	12.0mm	65	25	6	25.00 €	P2710051200	12.0mm	50	10	6	12.90 €
P2710031600	16.0mm	65	25	6	37.50 €	P2710051600	16.0mm	54	14	6	22.50 €
 FORM E						 FORM F					
P2710060300	3.0mm	38	6	3	4.00 €	P2710070300	3.0mm	38	14	3	4.00 €
P2710060600	6.0mm	50	10	6	6.30 €	P2710070600	6.0mm	58	18	6	7.10 €
P2710060800	8.0mm	53	13	6	8.70 €	P2710070800	8.0mm	60	20	6	7.95 €
P2710061000	10.0mm	56	16	6	12.30 €	P2710071000	10.0mm	60	20	6	11.70 €
P2710061200	12.0mm	60	20	6	19.50 €	P2710071200	12.0mm	65	25	6	19.20 €
P2710061600	16.0mm	70	25	6	36.00 €	P2710071600	16.0mm	65	25	6	30.90 €

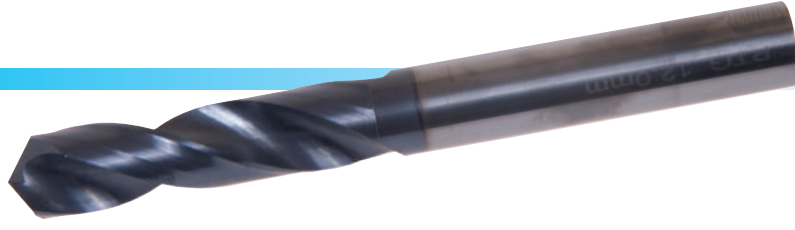
KARBÜR KALIPÇI FREZELER

KOD	ÖLÇÜ	L	I	d	FİYAT	KOD	ÖLÇÜ	L	I	d	FİYAT
 FORM G						 FORM H					
P2710080300	3.0mm	38	15	3	3.75 €	P2710100300	3.0mm	38	6	3	4.20 €
P2710080600	6.0mm	58	18	6	7.10 €	P2710100600	6.0mm	58	18	6	6.70 €
P2710080800	8.0mm	60	20	6	7.95 €	P2710100800	8.0mm	60	20	6	11.40 €
P2710081000	10.0mm	60	20	6	11.70 €	P2710101000	10.0mm	65	25	6	18.00 €
P2710081200	12.0mm	65	25	6	18.00 €	P2710101200	12.0mm	72	32	6	27.60 €
P2710081600	16.0mm	65	25	6	30.00 €	P2710101600	16.0mm	82	36	6	45.90 €
 FORM L						 FORM M					
P2710110300	3.0mm	54	14	3	4.20 €	P2710120300	3.0mm	38	12	3	4.00 €
P2710110600	6.0mm	56	16	6	6.70 €	P2710120600	6.0mm	58	18	6	6.30 €
P2710110800	8.0mm	62	22	6	9.60 €	P2710120800	8.0mm	58	18	6	7.95 €
P2710111000	10.0mm	65	25	6	12.90 €	P2710121000	10.0mm	60	20	6	10.50 €
P2710111200	12.0mm	68	28	6	18.90 €	P2710121200	12.0mm	65	25	6	15.45 €
P2710111600	16.0mm	73	33	6	36.00 €	P2710121600	16.0mm	65	25	6	22.50 €

KARBÜR KALIPÇI FREZE TAKIMLARI



KOD	ÜRÜN	FİYAT
P2710707506	6MM 5 PARÇA KARBÜR KALIPÇI FREZE SETİ (FORM B+C+D+F+G)	43.20 €
P2710707508	8MM 5 PARÇA KARBÜR KALIPÇI FREZE SETİ (FORM B+C+D+F+G)	52.20 €
P2710707510	10MM 5 PARÇA KARBÜR KALIPÇI FREZE SETİ (FORM B+C+D+F+G)	70.20 €
P2710707512	12MM 5 PARÇA KARBÜR KALIPÇI FREZE SETİ (FORM B+C+D+F+G)	108.00 €
P2710707010	10/12MM 10 PARÇA KARBÜR KALIPÇI FREZE SETİ (FORM A+C+F+G)	187.20 €



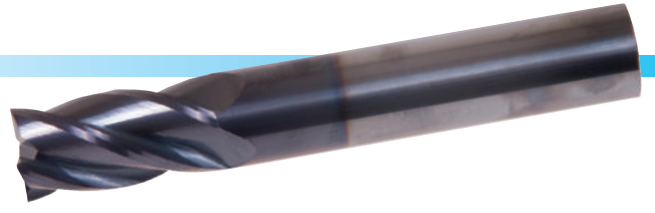
VÖÖRKER

KARBÜR MATKAP UÇLARI DIN6539

KOD	ÖLÇÜ	L1	L2	FİYAT
VR-65390100	1.0mm	38	12	14.00 €
VR-65390150	1.5mm	38	12	16.00 €
VR-65390200	2.0mm	38	12	16.00 €
VR-65390250	2.5mm	43	14	18.00 €
VR-65390300	3.0mm	46	16	18.00 €
VR-65390320	3.2mm	46	16	18.00 €
VR-65390330	3.3mm	46	16	19.00 €
VR-65390350	3.5mm	52	20	19.00 €
VR-65390400	4.0mm	55	22	20.00 €
VR-65390420	4.2mm	55	22	21.00 €
VR-65390450	4.5mm	58	24	31.50 €
VR-65390500	5.0mm	62	26	32.00 €
VR-65390520	5.2mm	62	26	43.50 €
VR-65390550	5.5mm	66	28	39.00 €
VR-65390600	6.0mm	66	28	39.00 €
VR-65390650	6.5mm	70	31	48.00 €
VR-65390680	6.8mm	70	31	63.00 €
VR-65390700	7.0mm	74	34	53.00 €
VR-65390750	7.5mm	74	34	65.00 €
VR-65390800	8.0mm	79	37	66.50 €
VR-65390850	8.5mm	79	37	87.00 €
VR-65390900	9.0mm	84	40	89.50 €
VR-65390950	9.5mm	84	40	99.00 €
VR-65391000	10.0mm	89	43	104.50 €
VR-65391020	10.2mm	89	436	167.00 €
VR-65391050	10.5mm	89	43	121.00 €
VR-65391100	11.0mm	95	47	139.00 €
VR-65391150	11.5mm	95	47	143.00 €
VR-65391200	12.0mm	102	51	157.00 €
VR-65391250	12.5mm	102	51	169.00 €
VR-65391300	13.0mm	102	51	174.00 €
VR-65391350	13.5mm	102	51	194.00 €
VR-65391400	14.0mm	107	54	218.00 €
VR-65391450	14.5mm	111	56	244.00 €
VR-65391500	15.0mm	111	56	252.00 €
VR-65391550	15.5mm	115	58	284.00 €
VR-65391600	16.0mm	115	58	284.00 €
VR-65391650	16.5mm	119	60	327.00 €
VR-65391700	17.0mm	119	60	334.00 €
VR-65391750	17.5mm	123	62	387.00 €
VR-65391800	18.0mm	123	62	387.00 €
VR-65391850	18.5mm	127	64	436.00 €
VR-65391900	19.0mm	127	64	436.00 €
VR-65391950	19.5mm	127	64	464.00 €
VR-65392000	20.0mm	131	66	472.00 €

VÖRKER

4 AĞIZ KARBÜR PARMAK FREZELER DIN846



KOD	ÖLÇÜ	L1	L2	FİYAT	KOD	ÖLÇÜ	L1	L2	FİYAT
VR-65280100	1.0mm	50	3	9.70 €	VR-65281100	11.0mm	75	25	62.00 €
VR-65280150	1.5mm	50	4	11.20 €	VR-65281200	12.0mm	75	30	63.00 €
VR-65280200	2.0mm	50	6	11.20 €	VR-65281300	13.0mm	75	25	106.00 €
VR-65280250	2.5mm	50	6	11.70 €	VR-65281400	14.0mm	80	35	93.00 €
VR-65280300	3.0mm	50	8	11.70 €	VR-65281500	15.0mm	90	35	134.00 €
VR-65280400	4.0mm	50	10	11.70 €	VR-65281600	16.0mm	100	40	145.00 €
VR-65280500	5.0mm	50	13	16.50 €	VR-65281800	18.0mm	100	40	184.00 €
VR-65280600	6.0mm	50	15	17.50 €	VR-65282000	20.0mm	100	40	223.00 €
VR-65280700	7.0mm	63	19	29.00 €	VR-65282200	22.0mm	105	40	290.00 €
VR-65280800	8.0mm	60	20	29.00 €	VR-65282400	24.0mm	105	40	349.00 €
VR-65280900	9.0mm	75	25	53.00 €	VR-65282500	25.0mm	105	40	387.00 €
VR-65281000	10.0mm	75	25	53.00 €					

PTG

4 AĞIZ KARBÜR P. FREZELER UZUN

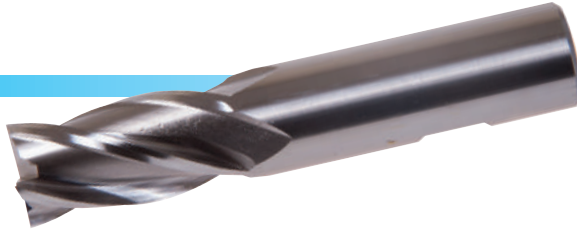


KOD	ÖLÇÜ	L1	L2	d	FİYAT
P84254503	3.0mm	58	20	6	28.00 €
P84254504	4.0mm	58	20	6	30.50 €
P84254505	5.0mm	63	25	6	38.00 €
P84254506	6.0mm	75	25	6	47.00 €
P84254508	8.0mm	75	28	8	69.00 €
P84254510	10.0mm	75	35	10	91.50 €
P84254512	12.0mm	100	45	12	152.50 €
P84254514	14.0mm	100	50	14	190.50 €
P84254516	16.0mm	100	50	16	242.50 €
P84254518	18.0mm	100	50	18	303.50 €
P84254520	20.0mm	120	60	20	428.00 €

2 AĞIZ KARBÜR PARMAK FREZELER



KOD	ÖLÇÜ	L1	L2	d	FİYAT
P84252802	2.0mm	50	6	6	20.00 €
P84252803	3.0mm	50	6	6	21.00 €
P84252804	4.0mm	50	8	6	23.50 €
P84252805	5.0mm	50	8	6	29.00 €
P84252806	6.0mm	63	19	6	35.00 €
P84252808	8.0mm	63	19	8	55.00 €
P84252810	10.0mm	70	22	10	81.50 €
P84252812	12.0mm	75	25	12	118.00 €
P84252814	14.0mm	88	30	14	153.00 €
P84252816	16.0mm	88	32	16	216.00 €
P84252818	18.0mm	100	36	18	268.00 €
P84252820	20.0mm	100	38	20	346.00 €



VÖÖRKER

PARMAK FREZELER DIN844-BN HSS (M2 elik)

KOD	ÖLÇÜ	L1	L2	FİYAT
VR-84410200	2.0mm	51	7	-
VR-84410250	2.5mm	52	8	-
VR-84410300	3.0mm	52	8	-
VR-84410400	4.0mm	55	11	-
VR-84410500	5.0mm	57	13	-
VR-84410600	6.0mm	57	13	-
VR-84410700	7.0mm	66	16	5.80 €
VR-84410800	8.0mm	69	19	-
VR-84410900	9.0mm	69	19	8.70 €
VR-84411000	10.0mm	72	22	-
VR-84411100	11.0mm	79	22	11.60 €
VR-84411200	12.0mm	83	26	-
VR-84411300	13.0mm	83	26	14.50 €
VR-84411400	14.0mm	83	26	-
VR-84411500	15.0mm	83	26	-
VR-84411600	16.0mm	92	32	-
VR-84411700	17.0mm	92	32	21.80 €
VR-84411800	18.0mm	92	38	-
VR-84411900	19.0mm	104	38	29.00 €
VR-84412000	20.0mm	104	38	-
VR-84412100	21.0mm	104	38	40.00 €
VR-84412200	22.0mm	104	38	-
VR-84412300	23.0mm	121	38	51.00 €
VR-84412400	24.0mm	121	45	56.00 €
VR-84412500	25.0mm	121	45	-
VR-84412600	26.0mm	121	45	61.00 €
VR-84412700	27.0mm	121	45	64.00 €
VR-84412800	28.0mm	121	45	67.00 €
VR-84412900	29.0mm	121	45	70.00 €
VR-84413000	30.0mm	121	45	73.00 €
VR-84413100	31.0mm	133	53	92.00 €
VR-84413200	32.0mm	133	53	-
VR-84413300	33.0mm	133	53	87.00 €
VR-84413400	34.0mm	133	53	92.00 €
VR-84413500	35.0mm	133	53	98.00 €
VR-84413600	36.0mm	133	53	102.00 €
VR-84413800	38.0mm	133	53	106.00 €
VR-84414000	40.0mm	133	53	-

VÖRKER

PARMAK FREZELER

DIN844-BN HSS (M2 çelik) UZUN



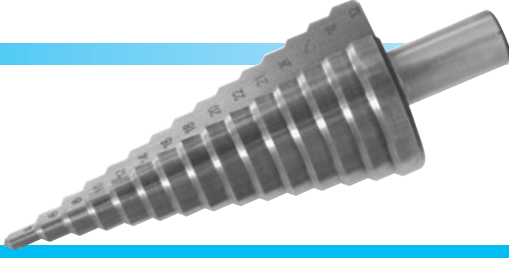
KOD	ÖLÇÜ	L1	L2	FİYAT
VR-84420200	2.0mm	54	10	-
VR-84420250	2.5mm	56	12	-
VR-84420300	3.0mm	56	12	4.20 €
VR-84420400	4.0mm	63	19	4.55 €
VR-84420500	5.0mm	68	24	5.60 €
VR-84420600	6.0mm	68	24	-
VR-84420700	7.0mm	80	30	8.35 €
VR-84420800	8.0mm	88	38	-
VR-84420900	9.0mm	88	38	11.15 €
VR-84421000	10.0mm	95	45	12.50 €
VR-84421200	12.0mm	110	53	14.00 €
VR-84421300	13.0mm	110	53	17.00 €
VR-84421400	14.0mm	110	53	18.00 €
VR-84421500	15.0mm	110	53	-
VR-84421600	16.0mm	123	63	27.00 €
VR-84421700	17.0mm	123	63	28.00 €
VR-84421800	18.0mm	123	63	29.00 €
VR-84421900	19.0mm	123	63	35.00 €
VR-84422000	20.0mm	141	75	40.00 €
VR-84422200	22.0mm	141	75	53.00 €
VR-84422400	24.0mm	166	90	68.00 €
VR-84422500	25.0mm	166	90	72.00 €
VR-84422800	28.0mm	166	90	76.00 €
VR-84423000	30.0mm	166	90	89.00 €
VR-84423200	32.0mm	186	106	104.00 €
VR-84423400	34.0mm	186	106	116.00 €
VR-84423600	36.0mm	186	106	128.00 €
VR-84424000	40.0mm	217	125	188.00 €

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TEK AĞIZ ALÜMİNYUM FREZE HSS

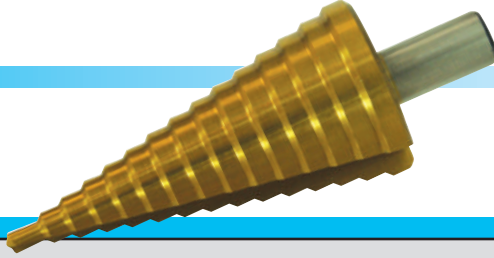


KOD	ÖLÇÜ	d	L1	L2	FİYAT
VR-8460400	4.0mm	8	60	12	-
VR-8460401	4.0mm	8	100	23	10.50 €
VR-8460500	5.0mm	8	60	14	9.00 €
VR-8460501	5.0mm	8	80	23	-
VR-8460600	6.0mm	8	60	14	9.00 €
VR-8460601	6.0mm	8	100	25	12.50 €
VR-8460800	8.0mm	8	80	14	11.50 €
VR-8460801	8.0mm	8	120	25	15.50 €
VR-8461000	10.0mm	10	120	25	18.00 €



KADEMELİ SAC DELME MATKABI HSS (M2 çelik)

KOD	ÖLÇÜ	FİYAT
VR-13412D	4 X 12	14.50 €
VR-13420D	4 X 20	22.00 €
VR-13432D	4 X 32	47.00 €
VR-13439D	4 X 39	51.50 €



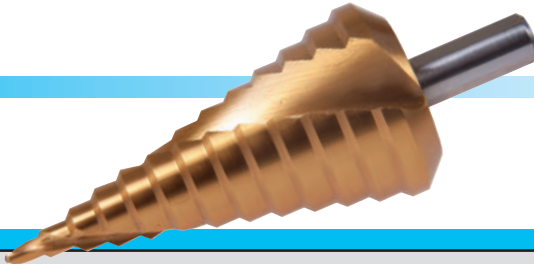
KADEMELİ SAC DELME MATKABI HSS - TIN (M2 çelik)

KOD	ÖLÇÜ	FİYAT
VR-14412T	4 X 12	17.50 €
VR-14420T	4 X 20	30.00 €
VR-14432T	4 X 32	56.00 €
VR-14439T	4 X 39	66.00 €
VR-13460D	6 X 50	80.50 €



KADEMELİ SAC DELME MATKABI HELİS (M2 çelik)

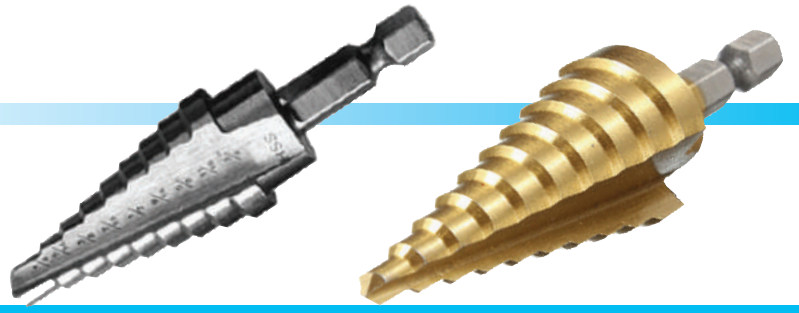
KOD	ÖLÇÜ	FİYAT
VR-10412S	4 X 12	17.50 €
VR-10420S	4 X 20	30.00 €
VR-10432S	4 X 32	56.00 €
VR-10439S	4 X 39	66.00 €



KADEMELİ SAC DELME MATKABI HELİS - TIN (M2 çelik)

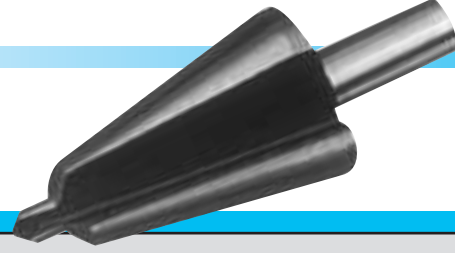
KOD	ÖLÇÜ	FİYAT
VR-11412T	4 X 12	22.00 €
VR-11420T	4 X 20	37.00 €
VR-11432T	4 X 32	66.00 €
VR-11439T	4 X 39	73.00 €

KADEMELİ SAC DELME MATKABI 1/4" BİTS (M2 çelik)



KOD	ÖLÇÜ	FİYAT
VR-16412B	4 X 12	13.50 €
VR-16420B	4 X 20	20.00 €
VR-16432B	4 X 32	47.00 €
VR-17412T	4 X 12 TIN KAPLI	16.00 €
VR-17420T	4 X 20 TIN KAPLI	27.00 €
VR-17432T	4 X 32 TIN KAPLI	53.00 €

KADEMELİ SAC DELME MATKABI HSS - KONİK (M2 çelik)



KOD	ÖLÇÜ	FİYAT
VR-18314D	3 X 14	14.50 €
VR-18315D	8 X 20	22.00 €
VR-18316D	16 X 30.5	56.00 €
VR-18317D	24 X 40	73.00 €
VR-18318D	36 X 50	96.00 €
VR-18319D	40 X 61	132.00 €



KADEMELİ SAC DELME SETLER

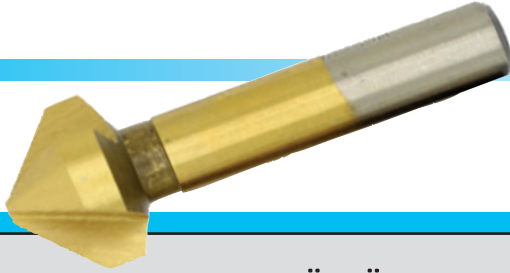
KOD	ÖLÇÜ	ÖZELLİK	FİYAT
VR-10412D	4 X 12 - 4 X 20 - 4 X 32	HSS	94.50 €
VR-10413D	4 X 12 - 4 X 20 - 4 X 32	HSS - TIN	103.00 €
VR-10415S	4 X 12 - 4 X 20 - 4 X 32	HELİS	103.00 €
VR-10420T	4 X 12 - 4 X 20 - 4 X 32	HELİS - TIN	117.00 €



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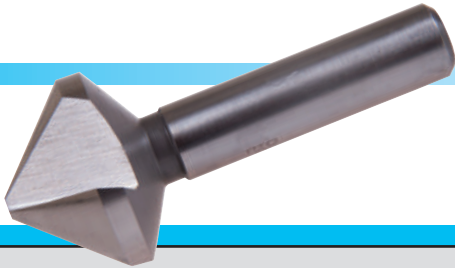
HAVŞA FREZE DIN335 HSS-CO 90°

KOD	ÖLÇÜ	L	d	FİYAT
VR-33510630	6.3mm	44	6	8.00 €
VR-33510830	8.3mm	52	6	9.50 €
VR-33511040	10.4mm	52	6	12.00 €
VR-33511240	12.4mm	52	10	13.00 €
VR-33511650	16.5mm	60	10	17.50 €
VR-33512050	20.5mm	68	10	21.50 €
VR-33512500	25.0mm	84	12	30.50 €
VR-33512800	28.0mm	87	14	42.50 €
VR-33513100	31.0mm	90	16	50.00 €
VR-33514000	40.0mm	97	16	67.00 €



HAVŞA FREZE DIN335 HSS TIN 90°

KOD	ÖLÇÜ	L	d	FİYAT
VR-335T0630	6.3mm	44	6	9.00 €
VR-335T0830	8.3mm	52	6	10.50 €
VR-335T1040	10.4mm	52	6	13.50 €
VR-335T1240	12.4mm	52	10	16.00 €
VR-335T1650	16.5mm	60	10	21.50 €
VR-335T2050	20.5mm	68	10	24.50 €
VR-335T2500	25.0mm	84	12	33.50 €
VR-335T3100	31.0mm	90	16	56.00 €
VR-335T4000	40.0mm	97	16	77.00 €



HAVŞA FREZE DIN335 HSS 60°

KOD	ÖLÇÜ	L	d	FİYAT
VR-335A0630	6.3mm	44	6	5.50 €
VR-335A0830	8.3mm	52	6	6.00 €
VR-335A1040	10.4mm	52	6	7.50 €
VR-335A1240	12.4mm	52	10	10.50 €
VR-335A1650	16.5mm	60	10	16.00 €
VR-335A2050	20.5mm	68	10	20.00 €
VR-335A2500	25.0mm	84	12	27.00 €
VR-335A3100	31.0mm	98	14	53.00 €

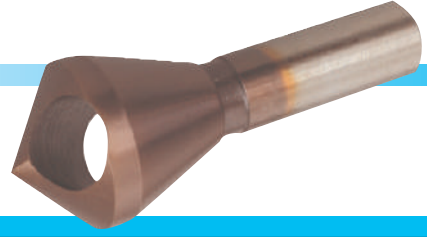


SABİT PİLOTLU HAVŞA FREZE DIN335 HSS-CO



KOD	ÖLÇÜ	L	d	FİYAT
VR-37310300	M3	14	6	11.00 €
VR-37310400	M4	14	8	11.00 €
VR-37310500	M5	18	10	13.50 €
VR-37310600	M6	18	11	16.00 €
VR-37310800	M8	22	15	21.50 €
VR-37311000	M10	22	18	32.00 €
VR-37311200	M12	22	20	42.50 €

DELİKLİ HAVŞA FREZE DIN335 HSS-TICN



KOD	ÖLÇÜ	FİYAT
VR-335C0205	2-5	8.00 €
VR-335C0510	5-10	15.00 €
VR-335C1015	10-15	22.00 €
VR-335C1520	15-20	44.00 €
VR-335C2025	20-25	88.00 €
VR-335C2530	25-30	124.50 €
VR-335C3035	30-35	161.00 €

HAVŞA FREZE SETLERİ DIN335 HSS



KOD	ÖLÇÜ	FİYAT
VR-33506	6.3mm, 8.3mm, 10.4mm, 12.4mm, 16.5mm, 20.5mm	100.00 €
VR-33506T	6.3mm, 8.3mm, 10.4mm, 12.4mm, 16.5mm, 20.5mm TIN KAPLAMA	113.00 €

The image features a close-up of a golden-colored metal drill bit on the left side, with its flutes clearly visible. To the right of the drill bit, there are several dark, metallic shavings or chips that appear to be freshly cut from a workpiece. The background is a bright yellow, decorated with diagonal black lines and a pattern of small black dots in the upper right corner. The Vöörker logo is positioned in the upper right area, consisting of the brand name in a bold, stylized font with horizontal stripes. A white rectangular box is located at the bottom center of the image.

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