

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

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 fufills 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

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

DAkkS Deutsche Akkreditierungsstelle D-ZM-17751-03-00

Qualität · Sicherheit Arbeitsschutz · Umwelt VQZ Bonn www.vqz-bonn.de

head of certification body
Prof. Dr. Peter Hampe

İçindekiler

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SİLİNDİRİK SAPLI MATKAP UÇLARI ^ d > Z 7 1-2
DIN338 HSS TAŞLANMIŞ



ALTIN SERİ MATKAP UÇLARI ^ d > Z 7 3-4
DIN338 HSS-CO



GOLD & BLACK MATKAP UÇLARI ^ d > Z 7 5-6
DIN338 HSS



SİLİNDİRİK SAPLI MATKAP UÇLARI 7
DIN338 HSS TIN KAPLI



SİLİNDİRİK SAPLI MATKAP UÇLARI 7
DIN338 HSS %25 TIN UÇLU



SİLİNDİRİK SAPLI MATKAP UÇLARI 8
DIN338 HSS-SOL TAŞLANMIŞ



UZUN SERİ MATKAP UÇLARI 8
DIN340 HSS TAŞLANMIŞ



UZUN SERİ MATKAP UÇLARI 9
DIN340 HSS-CO TAŞLANMIŞ



KISA SERİ MATKAP UÇLARI 9
DIN1897 HSS GT-100



UZUN SERİ MATKAP UÇLARI 10-11
DIN340 HSS GT-100



TERS KILAVUZ TAKIMLARI 11



UZUN SERİ MATKAP UÇLARI 12-13
DIN1869-1 / 1869-2 / 1869-3 (GT-100)



y d Z h h E ^ Z 7 D d < W h > Z / 13
375MM



EXTRA ÇOK UZUN SERİ MATKAP UÇLARI 14



KONİK MATKAP UÇLARI 15
DIN341



KONİK SAPLI MATKAP UÇLARI 16
HSS DIN345

İ iç ndekiler

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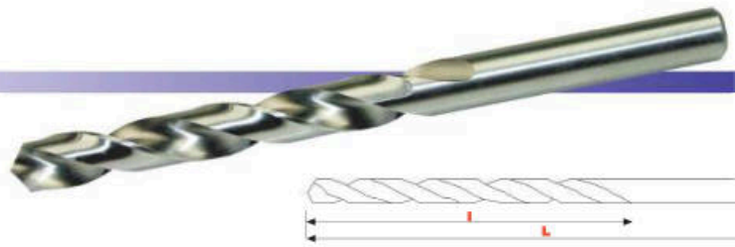
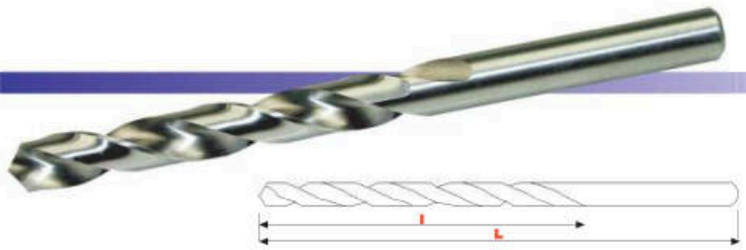


SİLİNDİRİK SAPLI MATKAP UÇLARI
DIN338 HSS TAŞLANMIŞ

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 SETi (HSS)
(PLASTİK KUTULU)

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

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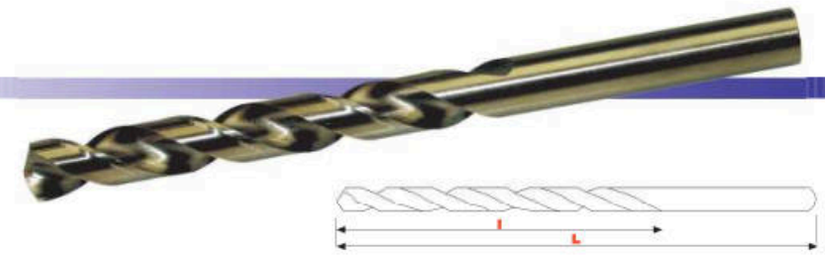
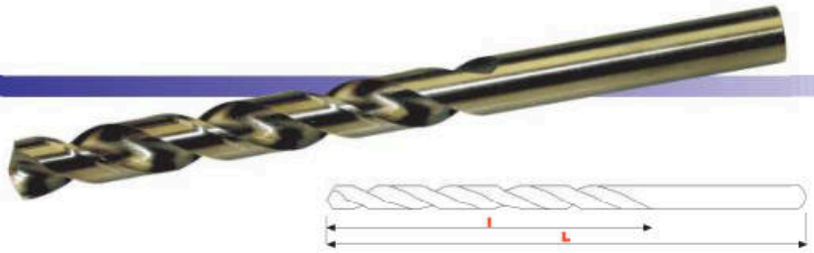
ALTIN SERİ MATKAP UÇLARI
DIN338 HSS-CO



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	l	FİYAT	KOD	ÖLÇÜ	L	l	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 €					



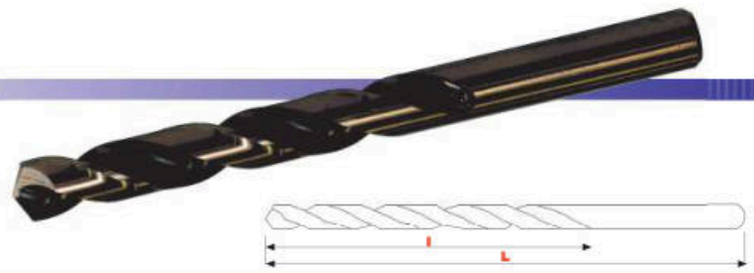
PTG

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

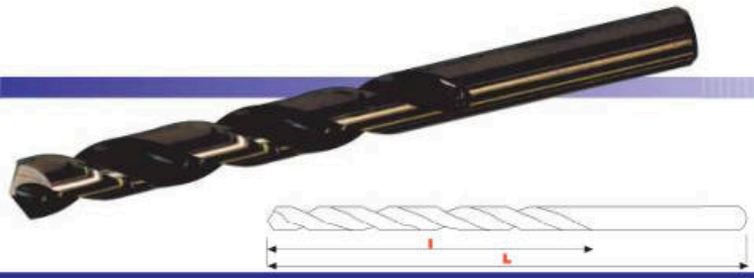
KOD	ÖLÇÜ	ÖZELLİK	FİYAT
P333859019	1 - 10mm (19 PARÇA)	HSS-CO	82.50 €
P333857025	1 - 13mm (25 PARÇA)	HSS-CO	121.00 €

PTG

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

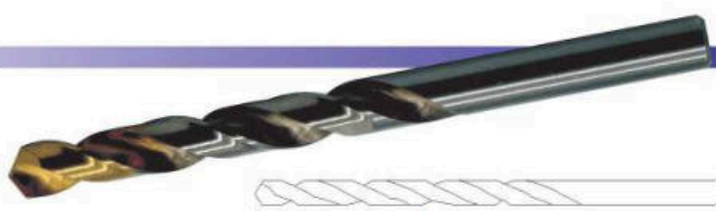


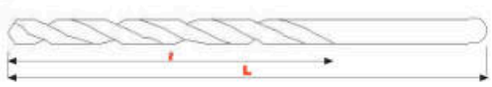


KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	FİYAT
P233880100	1.0mm	34	12	0.40 €	P233880750	7.5mm	109	69	4.05 €
P233880150	1.5mm	40	18	0.45 €	P233880800	8.0mm	117	75	5.00 €
P233880200	2.0mm	49	24	0.50 €	P233880850	8.5mm	117	75	5.70 €
P233880250	2.5mm	57	30	0.65 €	P233880900	9.0mm	125	81	6.45 €
P233880300	3.0mm	61	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 €

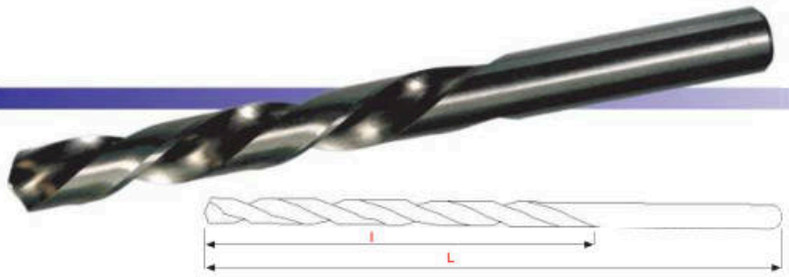
PTG

SİLİNDİRİK SAPLI MATKAP UÇLARI
DIN338 HSS %25 TIN UÇLU





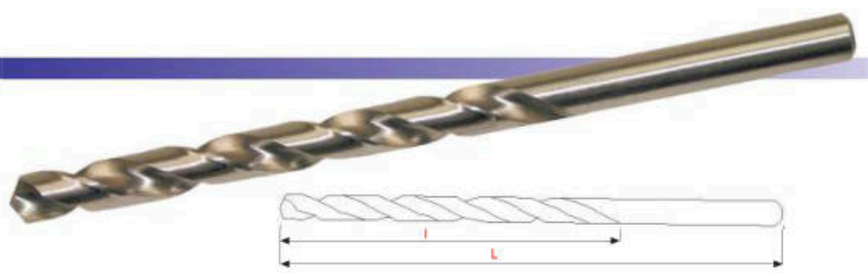
KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	FİYAT
P433890100	1.0mm	34	12	0.50 €	P433890800	8.0mm	117	75	5.60 €
P433890150	1.5mm	40	18	0.60 €	P433890850	8.5mm	117	75	6.35 €
P433890200	2.0mm	49	24	0.65 €	P433890900	9.0mm	125	81	7.35 €
P433890250	2.5mm	57	30	0.75 €	P433890950	9.5mm	125	81	8.00 €
P433890300	3.0mm	61	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	l	FİYAT	KOD	ÖLÇÜ	L	l	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 €					



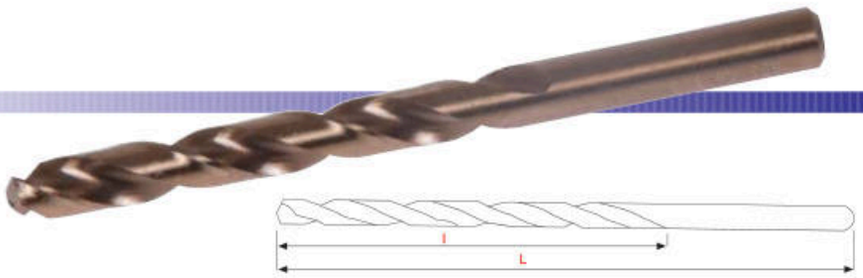
PTG

UZUN SERİ MATKAP UÇLARI
DIN340 HSS TAŞLANMIŞ

KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	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

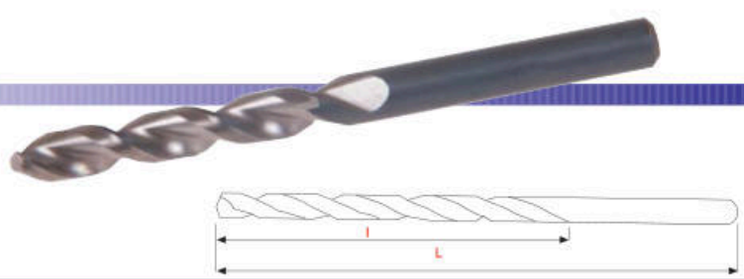
UZUN SERİ MATKAP UÇLARI
DIN340 HSS-CO TAŞLANMIŞ



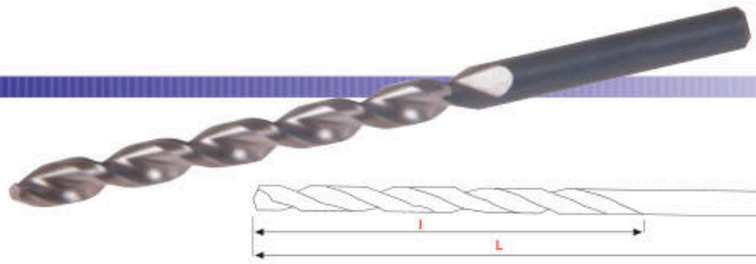
KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	FİYAT
P334050080	0.8mm	56	33	2.95 €	P334050600	6.0mm	139	91	5.75 €
P334050100	1.0mm	56	33	2.40 €	P334050650	6.5mm	148	97	7.00 €
P334050150	1.5mm	70	45	2.55 €	P334050700	7.0mm	156	102	8.50 €
P334050200	2.0mm	85	56	2.60 €	P334050750	7.5mm	156	102	10.10 €
P334050250	2.5mm	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	l	FİYAT	KOD	ÖLÇÜ	L	l	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 €					



PTG

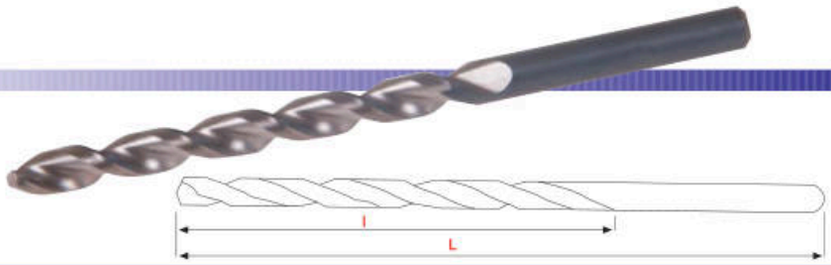
UZUN SERİ MATKAP UÇLARI

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



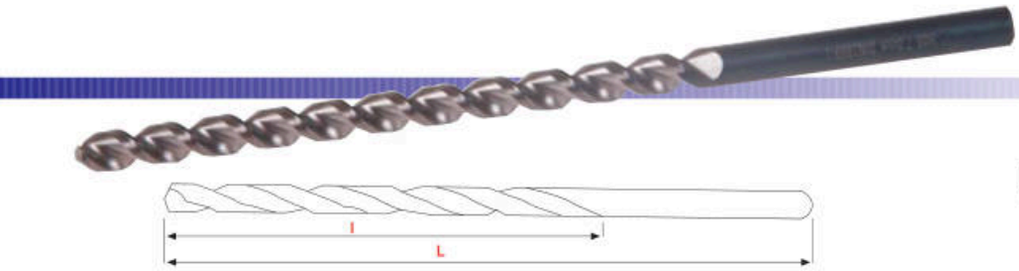
KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	FİYAT
P334031090	10.9mm	195	128	28.40 €	P334031390	13.9mm	214	140	69.00 €
P334031100	11.0mm	195	128	22.30 €	P334031400	14.0mm	214	140	50.65 €
P334031110	11.1mm	195	128	30.45 €	P334031410	14.1mm	214	140	75.50 €
P334031120	11.2mm	195	128	30.45 €	P334031420	14.2mm	214	140	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	l	FİYAT	KOD	ÖLÇÜ	L	l	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 €





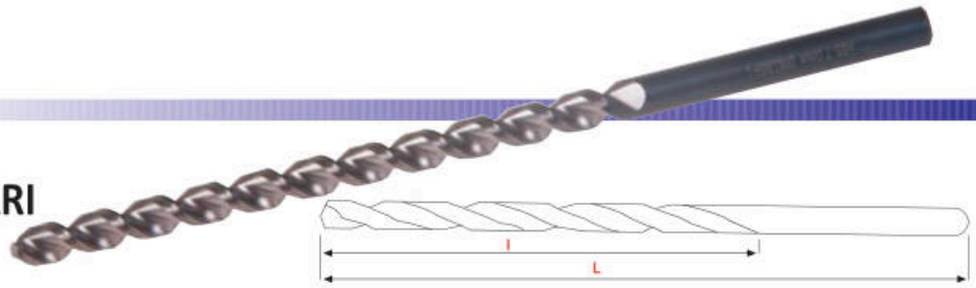
PTG

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

KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	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

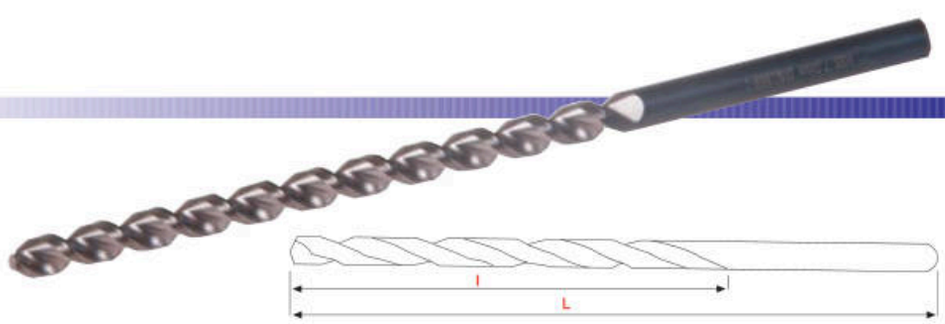
UZUN SERİ MATKAP UÇLARI
DIN1869-3 (GT-100)



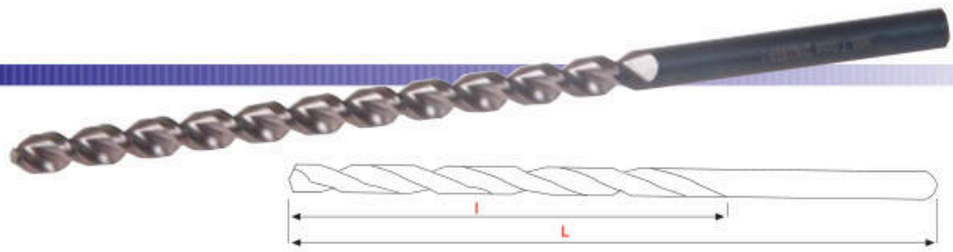
KOD	ÖLÇÜ	L	l	FİYAT	KOD	ÖLÇÜ	L	l	FİYAT
P518690200	2.0mm	200	135	15.15 €	P518690800	8.0mm	390	265	52.00 €
P518690250	2.5mm	225	150	15.50 €	P518690850	8.5mm	390	265	59.00 €
P518690300	3.0mm	235	160	15.65 €	P518690900	9.0mm	410	280	61.00 €
P518690350	3.5mm	265	180	15.75 €	P518690950	9.5mm	410	280	63.00 €
P518690400	4.0mm	280	190	17.50 €	P518691000	10.0mm	430	295	65.00 €
P518690450	4.5mm	295	200	24.00 €	P518691050	10.5mm	430	295	70.00 €
P518690500	5.0mm	315	210	26.00 €	P518691100	11.0mm	455	310	74.00 €
P518690550	5.5mm	330	225	28.00 €	P518691150	11.5mm	455	310	83.00 €
P518690600	6.0mm	330	225	29.50 €	P518691200	12.0mm	480	330	91.00 €
P518690650	6.5mm	350	235	34.50 €	P518691250	12.5mm	480	330	95.00 €
P518690700	7.0mm	370	250	39.00 €	P518691300	13.0mm	480	330	114.00 €
P518690750	7.5mm	370	250	41.00 €					

PTG

EXTRA UZUN SERİ
MATKAP UÇLARI - 375mm



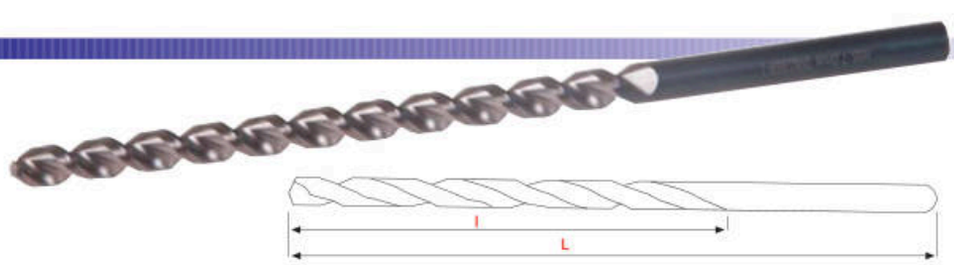
KOD	ÖLÇÜ	L	l	FİYAT
P318691350	13.5mm	375	265	75.00 €
P318691400	14.0mm	375	265	79.00 €
P318691450	14.5mm	375	265	85.00 €
P318691500	15.0mm	375	265	92.00 €
P318691550	15.5mm	375	265	97.00 €
P318691600	16.0mm	375	265	103.00 €
P318691650	16.5mm	375	265	109.00 €
P318691700	17.0mm	375	265	114.00 €
P318691750	17.5mm	375	265	121.00 €
P318691800	18.0mm	375	265	128.00 €
P318691850	18.5mm	375	265	133.00 €
P318691900	19.0mm	375	265	140.00 €
P318691950	19.5mm	375	265	148.00 €
P318692000	20.0mm	375	265	153.00 €



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 €

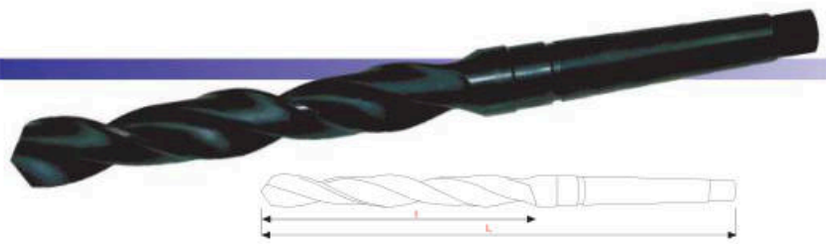
PTG

HSS MATKAP UÇLARI
DIN341



KOD	ÖLÇÜ	L	I	FİYAT
P234101400	14.0mm	223	142	46.00 €
P234101450	14.5mm	245	147	48.50 €
P234101500	15.0mm	245	147	50.50 €
P234101550	15.5mm	251	153	53.50 €
P234101600	16.0mm	251	153	55.00 €
P234101650	16.5mm	257	159	57.00 €
P234101700	17.0mm	257	159	57.50 €
P234101750	17.5mm	263	165	58.50 €
P234101800	18.0mm	263	165	59.00 €
P234101850	18.5mm	269	171	60.00 €
P234101900	19.0mm	269	171	61.00 €
P234101950	19.5mm	275	177	66.00 €
P234102000	20.0mm	275	177	69.00 €
P234102050	20.5mm	282	184	79.00 €
P234102100	21.0mm	282	184	81.00 €
P234102150	21.5mm	289	191	89.00 €
P234102200	22.0mm	289	191	92.00 €
P234102250	22.5mm	296	198	100.00 €
P234102300	23.0mm	296	198	103.00 €
P234102350	23.5mm	319	198	107.00 €
P234102400	24.0mm	327	206	112.00 €
P234102450	24.5mm	327	206	120.00 €
P234102500	25.0mm	327	206	123.00 €
P234102550	25.5mm	335	214	134.00 €
P234102600	26.0mm	335	214	138.00 €
P234102650	26.5mm	335	214	143.00 €
P234102700	27.0mm	343	222	149.00 €
P234102750	27.5mm	343	222	156.00 €
P234102800	28.0mm	343	222	161.00 €
P234102850	28.5mm	351	230	175.00 €
P234102900	29.0mm	351	230	180.00 €
P234102950	29.5mm	351	230	185.00 €
P234103000	30.0mm	351	230	188.00 €

KOD	ÖLÇÜ	L	I	FİYAT
P234103050	30.5mm	360	239	204.00 €
P234103100	31.0mm	360	239	206.00 €
P234103150	31.5mm	360	239	214.00 €
P234103200	32.0mm	397	248	247.00 €
P234103250	32.5mm	397	248	267.00 €
P234103300	33.0mm	397	248	291.00 €
P234103350	33.5mm	397	248	308.00 €
P234103400	34.0mm	397	248	315.00 €
P234103450	34.5mm	406	257	333.00 €
P234103500	35.0mm	406	257	337.00 €
P234103550	35.5mm	406	257	349.00 €
P234103600	36.0mm	416	267	359.00 €
P234103650	36.5mm	416	267	378.00 €
P234103700	37.0mm	416	267	383.00 €
P234103750	37.5mm	426	277	395.00 €
P234103800	38.0mm	426	277	407.00 €
P234103850	38.5mm	426	277	448.00 €
P234103900	39.0mm	426	277	455.00 €
P234103950	39.5mm	426	277	469.00 €
P234104000	40.0mm	426	277	472.00 €
P234104050	40.5mm	436	287	475.00 €
P234104100	41.0mm	436	287	482.00 €
P234104150	41.5mm	436	287	490.00 €
P234104200	42.0mm	436	287	502.00 €
P234104250	42.5mm	436	287	555.00 €
P234104300	43.0mm	447	298	567.00 €
P234104400	44.0mm	447	298	593.00 €
P234104500	45.0mm	447	298	616.00 €
P234104600	46.0mm	459	310	663.00 €
P234104700	47.0mm	459	310	691.00 €
P234104800	48.0mm	470	321	735.00 €
P234104900	49.0mm	470	321	765.00 €
P234105000	50.0mm	470	321	795.00 €



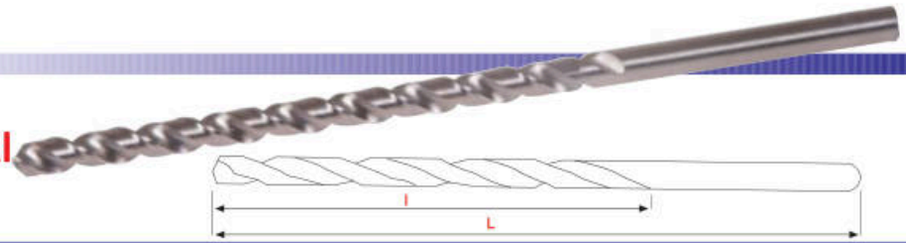
PTG

KONİK SAPLI MATKAP UÇLARI
DIN345

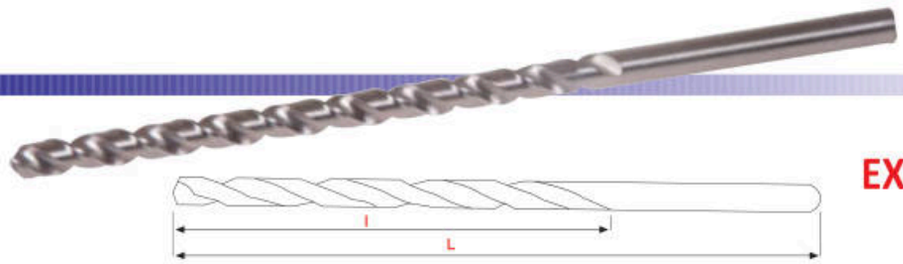
KOD	ÖLÇÜ	L	I	FİYAT	KOD	ÖLÇÜ	L	I	FİYAT
P334500800	8.0mm	156	75	15.00 €	P334503400	34.0mm	339	190	133.00 €
P334500850	8.5mm	156	75	15.00 €	P334503450	34.5mm	339	190	138.00 €
P334500900	9.0mm	162	81	15.00 €	P334503500	35.0mm	339	190	138.00 €
P334500950	9.5mm	162	81	15.00 €	P334503550	35.5mm	339	190	146.00 €
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 €

PTG

EXTRA UZUN MATKAP UÇLARI
DIN1869(N tipi)



KOD	ÖLÇÜ	L	l	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	l	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 PARMAK 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	l	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



FORM A

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710010300	3.0mm	38	14	3	4.00 €
P2710010600	6.0mm	56	16	6	7.95 €
P2710010800	8.0mm	60	20	6	11.70 €
P2710011000	10.0mm	60	20	6	15.90 €
P2710011200	12.0mm	65	25	6	25.50 €
P2710011600	16.0mm	65	25	6	36.90 €



FORM B

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710020300	3.0mm	38	14	3	4.50 €
P2710020600	6.0mm	56	16	6	7.60 €
P2710020800	8.0mm	60	20	6	11.50 €
P2710021000	10.0mm	60	20	6	14.70 €
P2710021200	12.0mm	65	25	6	24.60 €
P2710021600	16.0mm	65	25	6	37.80 €



FORM C

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710030300	3.0mm	38	14	3	4.00 €
P2710030600	6.0mm	56	16	6	8.00 €
P2710030800	8.0mm	60	20	6	11.70 €
P2710031000	10.0mm	60	20	6	15.90 €
P2710031200	12.0mm	65	25	6	25.00 €
P2710031600	16.0mm	65	25	6	37.50 €



FORM D

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710050300	3.0mm	40	3	3	5.00 €
P2710050600	6.0mm	45	5	6	5.85 €
P2710050800	8.0mm	47	7	6	7.20 €
P2710051000	10.0mm	49	9	6	8.70 €
P2710051200	12.0mm	50	10	6	12.90 €
P2710051600	16.0mm	54	14	6	22.50 €



FORM E

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710060300	3.0mm	38	6	3	4.00 €
P2710060600	6.0mm	50	10	6	6.30 €
P2710060800	8.0mm	53	13	6	8.70 €
P2710061000	10.0mm	56	16	6	12.30 €
P2710061200	12.0mm	60	20	6	19.50 €
P2710061600	16.0mm	70	25	6	36.00 €



FORM F

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710070300	3.0mm	38	14	3	4.00 €
P2710070600	6.0mm	58	18	6	7.10 €
P2710070800	8.0mm	60	20	6	7.95 €
P2710071000	10.0mm	60	20	6	11.70 €
P2710071200	12.0mm	65	25	6	19.20 €
P2710071600	16.0mm	65	25	6	30.90 €

PTG

KARBÜR KALIPÇI FREZELER



FORM G

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710080300	3.0mm	38	15	3	3.75 €
P2710080600	6.0mm	58	18	6	7.10 €
P2710080800	8.0mm	60	20	6	7.95 €
P2710081000	10.0mm	60	20	6	11.70 €
P2710081200	12.0mm	65	25	6	18.00 €
P2710081600	16.0mm	65	25	6	30.00 €



FORM H

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710100300	3.0mm	38	6	3	4.20 €
P2710100600	6.0mm	58	18	6	6.70 €
P2710100800	8.0mm	60	20	6	11.40 €
P2710101000	10.0mm	65	25	6	18.00 €
P2710101200	12.0mm	72	32	6	27.60 €
P2710101600	16.0mm	82	36	6	45.90 €



FORM L

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710110300	3.0mm	54	14	3	4.20 €
P2710110600	6.0mm	56	16	6	6.70 €
P2710110800	8.0mm	62	22	6	9.60 €
P2710111000	10.0mm	65	25	6	12.90 €
P2710111200	12.0mm	68	28	6	18.90 €
P2710111600	16.0mm	73	33	6	36.00 €



FORM M

KOD	ÖLÇÜ	L	l	d	FİYAT
P2710120300	3.0mm	38	12	3	4.00 €
P2710120600	6.0mm	58	18	6	6.30 €
P2710120800	8.0mm	58	18	6	7.95 €
P2710121000	10.0mm	60	20	6	10.50 €
P2710121200	12.0mm	65	25	6	15.45 €
P2710121600	16.0mm	65	25	6	22.50 €

PTG

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 €



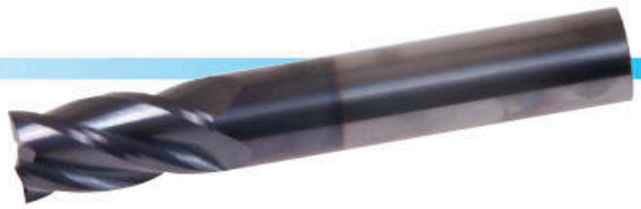
VÖRKER

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 €



VÖRKER

PARMAK FREZELER
DIN844-BN HSS (M2 çelik)

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



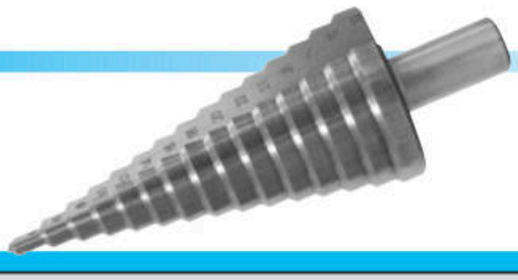
KOD	ÖLÇÜ	L1	L2	FİYAT
VR-84420200	2.0mm	54	10	-
VR-84420250	2.5mm	56	12	-
VR-84420300	3.0mm	56	12	4.20 €
VR-84420400	4.0mm	63	19	4.55 €
VR-84420500	5.0mm	68	24	5.60 €
VR-84420600	6.0mm	68	24	-
VR-84420700	7.0mm	80	30	8.35 €
VR-84420800	8.0mm	88	38	-
VR-84420900	9.0mm	88	38	11.15 €
VR-84421000	10.0mm	95	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 €

VÖRKER

TEK AĞIZ ALÜMİNYUM FREZE
HSS



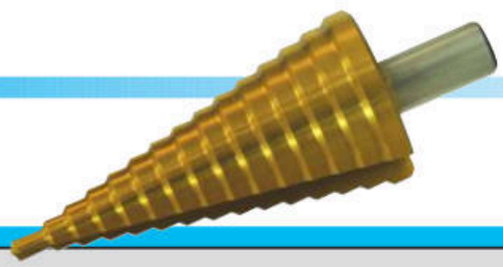
KOD	ÖLÇÜ	d	L1	L2	FİYAT
VR-8460400	4.0mm	8	60	12	-
VR-8460401	4.0mm	8	100	23	10.50 €
VR-8460500	5.0mm	8	60	14	9.00 €
VR-8460501	5.0mm	8	80	23	-
VR-8460600	6.0mm	8	60	14	9.00 €
VR-8460601	6.0mm	8	100	25	12.50 €
VR-8460800	8.0mm	8	80	14	11.50 €
VR-8460801	8.0mm	8	120	25	15.50 €
VR-8461000	10.0mm	10	120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



VÖRKER

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 €

VÖRKER

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 €



VÖRKER

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 €

VÖRKER

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 €

VÖRKER

