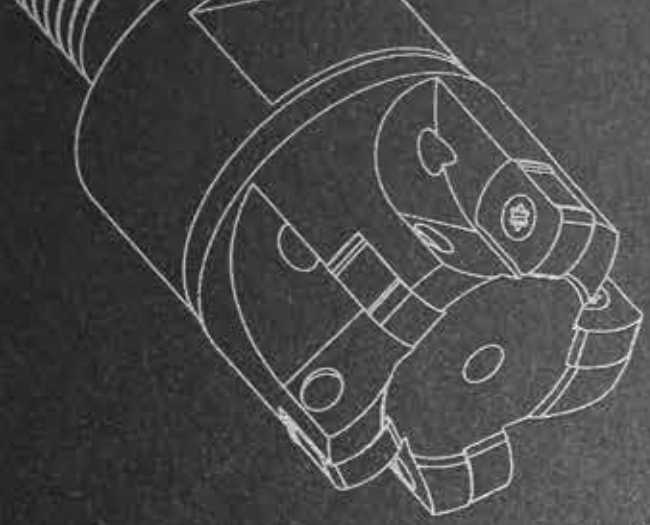
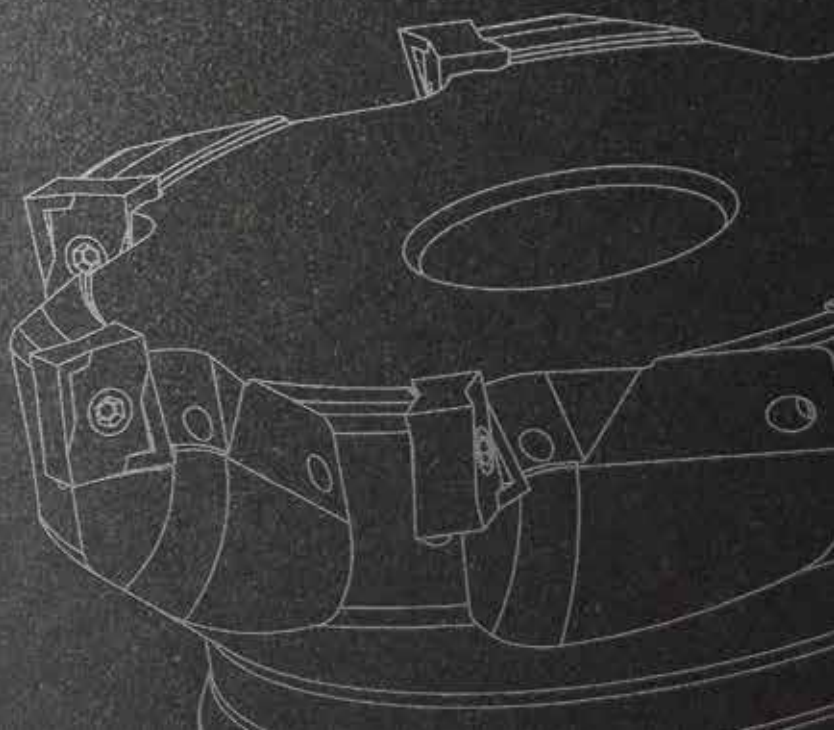


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HAKKIMIZDA / ABOUT

1975 yılında Talaşlı imalat faaliyetiyle sektöre adım atan BAHÇIVAN makine , 1988 yılında sektörde oluşan torna kateri talebi karşısında emek ve yatırımlarını bu doğrultuda kanalize ederek Kesici Uç Bağlama Sistemleri üretimine başlamış. 1996 yılında piyasada oluşan yeni talepleri karşılamak, ürün hassasiyetini en üst düzeye çıkarmak, geriye- ileriye bütünleşik üretim yapmak amacıyla son teknoloji CNC tezgahlarını makine parkuruna dahil etmiştir.

35 yıla yakın zamanı geride bırakan Bahçıvan Makine 1000 m2 ye yakın kapalı alanı, otomosyon destekli cnc makineleri, kalifeye ekibi ile Talaşlı İmalat sektöründe kullanılan kesici uç bağlama sistemleri üreten lider firmalar arasında yüzde 100 yerli üretimle üreterek ülke ekonomisine ve sanayisine katkıda bulunmakta, Sürekli öğrenen ve gelişen organizasyon yapısı ile üretimde sürekli iyileştirmeyi hedef almakta, Yönetim ve Üretimini ISO 9001:2000 kalite yönetim sistemiyle güçlendirip yurt içi ve yurt dışı pazarında önemli rol üstlenmektedir.

Ve bugün, Bahçıvan Makine bu anlayışla, müşteri ve tedarikçilerinden gelen feedback leri değerlendirerek ürün çeşitliliği ve toplam kalite anlayışıyla öncü konuma gelmenin, yurt içi ve yurt dışı pazarlarda aranılan marka haline gelmenin haklı gururunu siz değerli müşterilerimizle ve tedarikçilerimizle paylaşmaktayız.

BAHCIVAN Makine stepped into the sector with Talasli manufactiring in 1975. It transterred its labour and investments to meet latle tool demand in 1988 and started the manufacturing of cutting edge tie down systems. It incorporated CNC counters With latest technology into its machinery in 1996 to meet incoming demands of market, to raise the product sensitivity to the top level and to realize integrated production backwards and froward.

Bahcivan Makine has a history of more than 35 years. It has a closed area of 1000m2, automation assisted CNC machinery and a qualified team. It has been contributing to the conomy and industry of the country with a 100% domestic production among prominent companies of cutting adge tie down system utilized in Talasli manufacturing system.

Bahcivan Makine aims constand improvement in production with its constantly learning and developing organization structure. Its shoulders an important role in internal and exernal markets by strengthening its management and production through ISO 9001 :2000 quality management system. Today through this point io view and feedbacks of customers and suppliers and with its production varieth and total quality approach, Bahcivan Makina shares the rightful honour with its honorable customers and suppliers, of being a Pioneer in its sector and a desired brand in internal and external markets.

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CERTIFICATES



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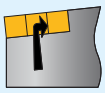
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External Turning
Code Key

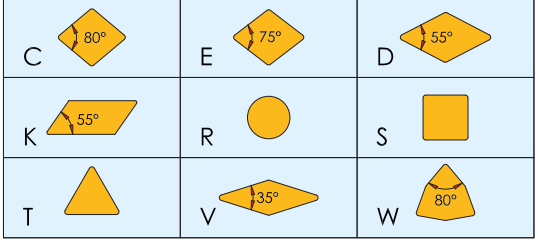
Extract from ISO

D	W	L	N	R	25	25	M	08
1	2	3	4	5	6	7	8	9

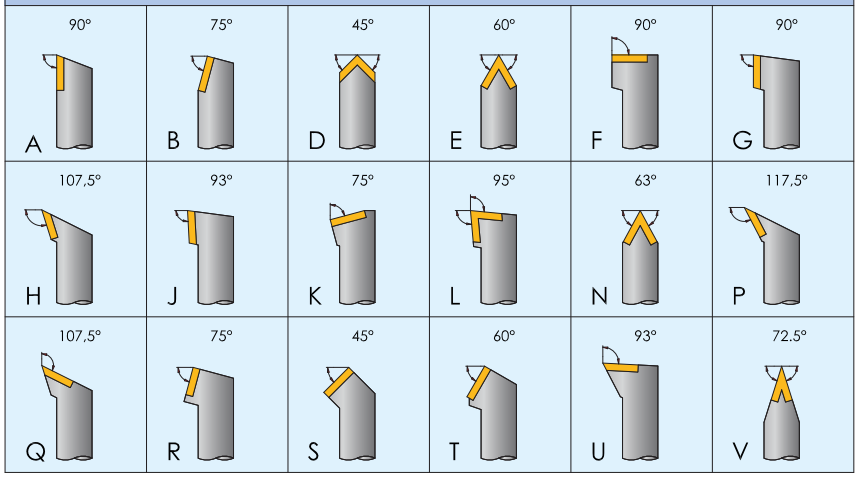
1 Clamping System

Top Clamping	Top and hole clamping	Wedge clamping	Lever Clamping	Screw Clamping
				
C	D	M	P	S

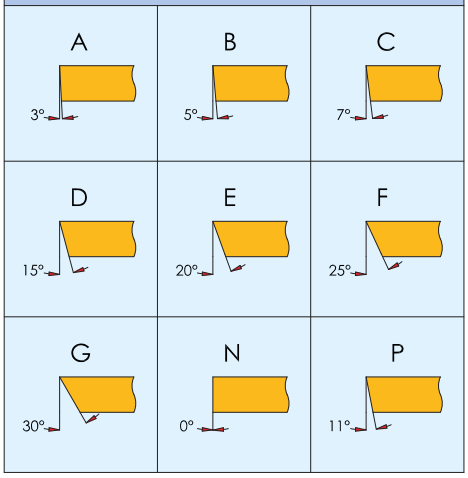
2 Insert Shape



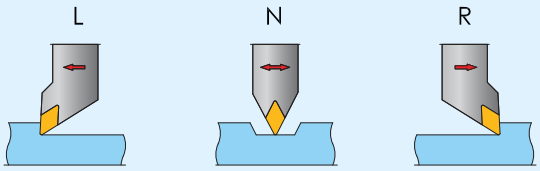
3 Approach Angle



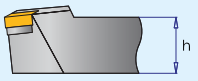
4 Insert Clearance Angle



5 Hand of Tool



6 Shank Height h mm



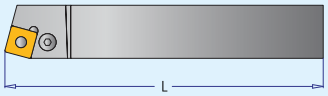
8 = 08 mm
16 = 16 mm
25 = 25 mm

7 Shank Width b mm



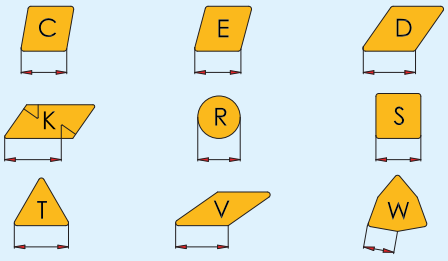
8 = 08 mm
16 = 16 mm
25 = 25 mm

8 Tool Length L mm



A = 32	F = 80	M = 150	R = 200	V = 400
B = 40	H = 100	N = 160	S = 250	W = 450
C = 50	K = 125	P = 170	T = 300	Y = 500
D = 60	L = 140	Q = 180	U = 350	X = Special

9 Cutting edge length mm





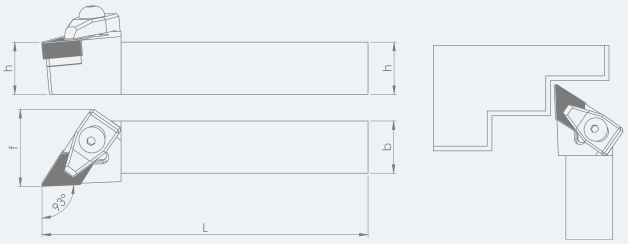
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D SİSTEM DIŞ TORNA KATERLERİ

D SYSTEM EXTERNAL LATHE TOOL HOLDERS





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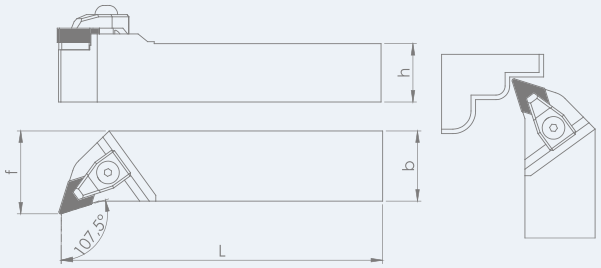
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DDJNR/L **93°**	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DDJNR/L - 1616 - H11	VRD1001	VRD1002	16	16	105	20	**DNM..** **11 04..**	VDP 01	VRV 01 M5	VRDN 11	VAV 03 M4	VRY 01	AA3
DDJNR/L -2020 - K11	VRD1003	VRD1004	20	20	125	25							
DDJNR/L - 2525 - M11	VRD1005	VRD1006	25	25	150	32							
DDJNR/L - 2020 - K15	VRD1007	VRD1008	20	20	125	25	**DNM..** **15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
DDJNR/L - 2525 - M15	VRD1009	VRD1010	25	25	150	32							
DDJNR/L - 3232 - P15	VRD1011	VRD1012	32	32	170	40							
DDJNR/L - 4040 - S15	VRD1013	VRD1014	40	40	250	50							
DDJNR/L - 2020 - K1504	VRD1015	VRD1016	20	20	125	25	**DNM..** **15 04..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
DDJNR/L - 2525 - M1504	VRD1017	VRD1018	25	25	150	32							
DDJNR/L - 3232 - P1504	VRD1209	VRD1210	32	32	170	40							





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DDNNN **62.5°**		**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DDNNN - 2020 - K15	VRN1020	20	20	125	10							
DDNNN - 2525 - M15	VRN1022	25	25	150	12,5	**DNM..** **15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
DDNNN - 3232 - P15	VRN1024	32	32	170	16							
DDNNN - 4040 - S15	VRN1494	40	40	250	50							
DDNNN - 2020 - K1504	VRN1495	20	20	125	10	**DNM..** **15 04..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
DDNNN - 2525 - M1504	VRN1496	25	25	150	12,5							
DDNNN - 2525 - M11	VRN1026	25	25	150	12,5	**DNM..** **11 04..**	VDP 01	VRV 01 M5	VRDN 11	VAV 03 M4	VRY 01	AA3
DDNNN - 2020 - K11	VRN1028	20	20	125	10							



TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DDHNR/L 107.5°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DDHNR/L - 2020 - K15	VRD1019	VRD1030	20	20	125	25							
DDHNR/L - 2525 - M15	VRD1021	VRD1032	25	25	150	32	**DNM..** **15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
DDHNR/L - 3232 - P15	VRD1023	VRD1034	32	32	170	40							
DDHNR/L - 4040 - S15	VRD1211	VRD1212	40	40	250	50							

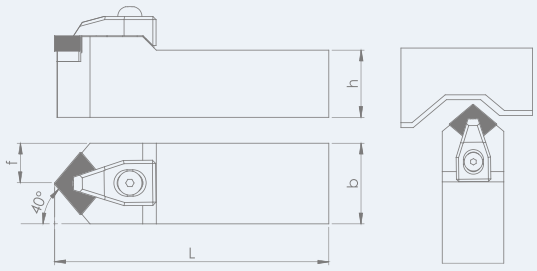


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DCLNR/L 95°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DCLNR/L - 2020 - K12	VRD1025	VRD1036	20	20	125	25							
DCLNR/L - 2525 - M12	VRD1027	VRD1038	25	25	150	32	**CNM..** **12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
DCLNR/L - 3232 - P12	VRD1029	VRD1040	32	32	170	40							
DCLNR/L - 4040 - S12	VRD1031	VRD1042	40	40	250	50							
DCLNR/L - 2525 - M16	VRD1033	VRD1044	25	25	150	32							
DCLNR/L - 3232 - P16	VRD1035	VRD1046	32	32	170	40	**CNM..** **16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
DCLNR/L - 4040 - S16	VRD1037	VRD1048	40	40	250	50							
DCLNR/L - 2525 - M19	VRD1039	VRD1050	25	25	150	32							
DCLNR/L - 3232 - P19	VRD1041	VRD1052	32	32	170	40	**CNM..** **19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4
DCLNR/L - 4040 - S19	VRD1043	VRD1054	40	40	250	50							
DCLNR/L - 2020 - K09	VRD1213	VRD1214	20	20	125	25	**CNM..** **09 03..**	VDP 01	VRV 01 M5	VRCN 09	VAV 03 M5	VRY 01	AA3
DCLNR/L - 2525 - M09	VRD1045	VRD1056	25	25	150	32							





TEKNİK ÇİZİM / TECNHICAL DRAWING

DCXNN 40°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) h	b	L	f	KESİCİ UÇ INSERT	BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DCXNN - 2020 - K12	VRN1058	20	20	125	10							
DCXNN - 2525 - M12	VRN1060	25	25	150	12,5	**CNM.. 12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
DCXNN - 3232 - P12	VRN1062	32	32	170	16							
DCXNN - 2525 - M16	VRN1064	25	25	150	12,5	**CNM.. 16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
DCXNN - 3232 - P16	VRN1066	32	32	170	16							
DCXNN - 3232 - 19	VRN1497	32	32	170	16	**CNM.. 19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4

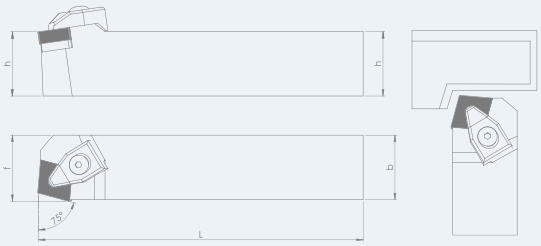




TEKNİK ÇİZİM / TECNHICAL DRAWING

DCKNR/L 75°

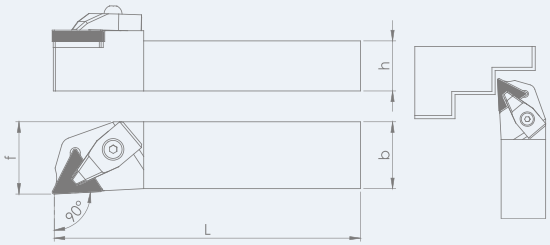
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE **Sol** / Left	**Sağ** / Right	KATER ÖLÇÜLERİ DIMENSIONS (mm) h	b	L	f	KESİCİ UÇ INSERT	BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DCKNR/L - 2020 - K12	VRD1047	VRD1068	20	20	125	25							
DCKNR/L - 2525 - M12	VRD1049	VRD1070	25	25	150	32	**CNM.. 12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
DCKNR/L - 3232 - P12	VRD1051	VRD1072	32	32	170	40							
DCKNR/L - 2525 - M16	VRD1053	VRD1074	25	25	150	32	**CNM.. 16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
DCKNR/L - 3232 - P16	VRD1055	VRD1076	32	32	170	40							
DCKNR/L - 2020 - K09	VRD1213	VRD1214	20	20	125	25	**CNM.. 09 03..**	VDP 01	VRV 01 Mm	VRCN 09	VAV 03 M5	VRY 01	AA3
DCKNR/L - 2525 - M09	VRD1057	VRD1078	25	25	150	32							
DCKNR/L - 3232 - P19	VRD1197	VRD1198	32	32	170	40	**CNM.. 19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4
DCKNR/L - 4040 - S19	VRD1199	VRD1200	40	40	250	50							



TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DCBNR/L 75°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DCBNR/L - 2020 - K12	VRD1059	VRD1080	20	20	125	17							
DCBNR/L - 2525 - M12	VRD1061	VRD1082	25	25	150	22	**CNM.. 12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
DCBNR/L - 3232 - P12	VRD1063	VRD1084	32	32	170	29							
DCBNR/L - 2525 - M16	VRD1065	VRD1086	25	25	150	22	**CNM.. 16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
DCBNR/L - 3232 - P16	VRD1067	VRD1088	32	32	170	29							
DCBNR/L - 3232 - P19	VRD1215	VRD1216	32	32	170	16	**CNM.. 19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4

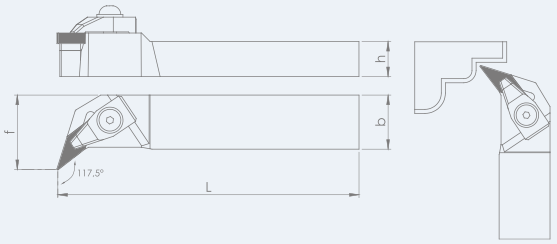


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DTGNR/L 90°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DTGNR/L - 2020 - K22	VRD1069	VRD1090	20	20	125	25							
DTGNR/L - 2525 - M22	VRD1071	VRD1092	25	25	150	32	**TNM.. 22 04..**	VDP 02	VRV 02 M6	VRTN 22	VAV 02 M5	VRY 01	AA3
DTGNR/L - 3232 - P22	VRD1073	VRD1094	32	32	170	40							
DTGNR/L - 4040 - S22	VRD1075	VRD1096	40	40	250	50							
DTGNR/L - 2020 - K16	VRD1077	VRD1098	20	20	125	25							
DTGNR/L - 2525 - M16	VRD1079	VRD1100	25	25	150	32	**TNM.. 16 04..**	VDP 01	VRV 01 M5	VRTN 16	VAV 11 M5	VRY 01	AA3
DTGNR/L - 3232 - P16	VRD1081	VRD1102	32	32	170	40							





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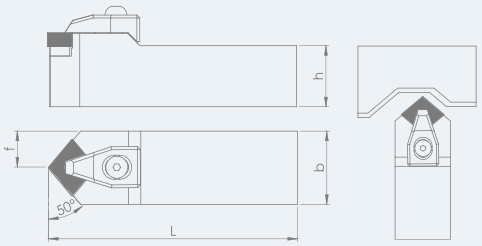
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DVQNR/L **117,5°**	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DVQNR/L - 2020 - K16	VRD1083	VRD1104	20	20	125	25	**VNM..** **16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 11 M5	VRY 01	AA3
DVQNR/L - 2525 - M16	VRD1085	VRD1106	25	25	150	32							
DVQNR/L - 3232 - P16	VRD1087	VRD1108	32	32	170	40							





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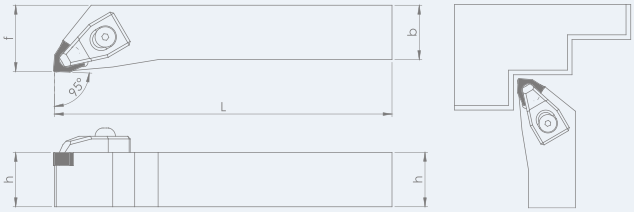
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DVVNN **72,5°**		**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DVVNN - 2020 - K16	VRN1110	20	20	125	25	**VNM..** **16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 11 M5	VRY 01	AA3
DVVNN - 2525 - M16	VRN1112	25	25	150	32							
DVVNN - 3232 - P16	VRN1114	32	32	170	40							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DCMNN 50°		h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DCMNN - 2020 - K12	VRN1116	20	20	125	10	**CNM..** **12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
DCMNN - 2525 - M12	VRN1118	25	25	150	12,5							
DCMNN - 3232 - P12	VRN1120	32	32	170	16	**CNM..** **16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
DCMNN - 3232 - P16	VRN1122	32	32	170	16							
DCMNN - 3232 - P19	VRD1201	32	32	170		**CNM..** **19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4
DCMNN - 4040 - S19	VRD1202	40	40	250								



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DWLNR/L 95°	**Sol** / Left	**Sağ** / Right	h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DWLNR/L - 1616 - K06	VRD1089	VRD1124	16	16	125	20	**WNM..** **06 T3..**	VDP 01	VRV 01 M5	VRWN 06	VAV 03 M4	VRY 01	AA3
DWLNR/L - 2020 - K06	VRD1091	VRD1126	20	20	125	25							
DWLNR/L - 2525 - M06	VRD1093	VRD1128	25	25	150	32							
DWLNR/L - 2020 - K08	VRD1095	VRD1130	20	20	125	25	**WNM..** **08 04..**	VDP 02	VRV 02 M6	VRWN 08	VAV 02 M5	VRY 01	AA3
DWLNR/L - 2525 - M08	VRD1097	VRD1132	25	25	150	32							
DWLNR/L - 3232 - P08	VRD1099	VRD1134	32	32	170	40							
DWLNR/L - 4040 - S08	VRD1101	VRD1136	40	40	250	50							





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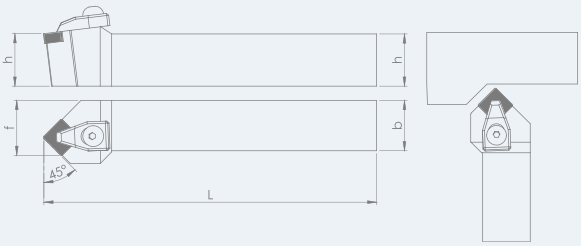
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DSKNR/L 75°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DSKNR/L - 2020 - K12	VRD1103	VRD1138	20	20	125	25							
DSKNR/L - 2525 - M12	VRD1105	VRD1140	25	25	150	32	**SNM.. 12 04..**	VDP 02	VRV 02 M6	VRSN 12	VAV 02 M5	VRY 01	AA3
DSKNR/L - 3232 - P12	VRD1107	VRD1142	32	32	170	40							
DSKNR/L - 3232 - P15	VRD1109	VRD1144	32	32	170	40	**SNM.. 15 06..**	VDP 04	VRV 03 M6	VRSN 15	VAV 04 M6	VRY 02	AA4





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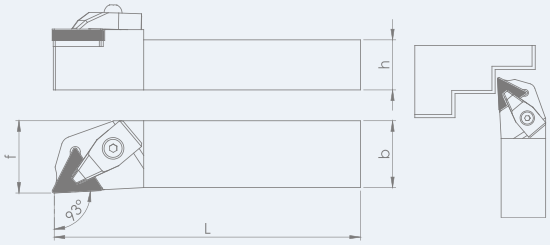
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DSDNN 45°		**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DSDNN - 2020 - K12	VRN1146	20	20	125	10							
DSDNN - 2525 - M12	VRN1148	25	25	150	12,5	**SNM.. 12 04..**	VDP 02	VRV 02 M6	VRSN 12	VAV 02 M5	VRY 01	AA3
DSDNN - 3232 - P12	VRN1150	32	32	170	16							
DSDNN - 3232 - P15	VRN1152	32	32	170	16	**SNM.. 15 04..**	VDP 04	VRV 03 M6	VRSN 15	VAV 04 M6	VRY 02	AA4
DSDNN - 3232 - P19	VRN1493	32	32	170	16	**SNM.. 19 04..**	VDP 04	VRV 03 M6	VRSN 19	VAV 04 M6	VRY 02	AA4



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DSSNR/L 45°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DSSNR/L - 2020 - K12	VRD1111	VRD1154	20	20	125	25	**SNM..** **12 04..**	VDP 02	VRV 02 M6	VRSN 12	VAV 02 M5	VRY 01	AA3
DSSNR/L - 2525 - M12	VRD1113	VRD1156	25	25	150	32							
DSSNR/L - 3232 - P12	VRD1115	VRD1158	32	32	170	40							
DSSNR/L - 2525 - M15	VRD1117	VRD1160	25	25	150	32	**SNM..** **15 04..**	VDP 04	VRV 03 M6	VRSN 15	VAV 04 M5	VRY 02	AA4
DSSNR/L - 3232 - P15	VRD1119	VRD1162	32	32	170	40							
DSSNR/L - 4040 - S15	VRD1217	VRD1218	40	40	250	50							
DSSNR/L - 2525 - M19	VRD1121	VRD1164	25	25	150	32	**SNM..** **19 06..**	VDP 05	VRV 03 M6	VRSN 19	VAV 05 M6	VRY 02	AA4
DSSNR/L - 3232 - P19	VRD1123	VRD1166	32	32	170	40							
DSSNR/L - 4040 - S19	VRD1205	VRD1206	40	40	250	50							

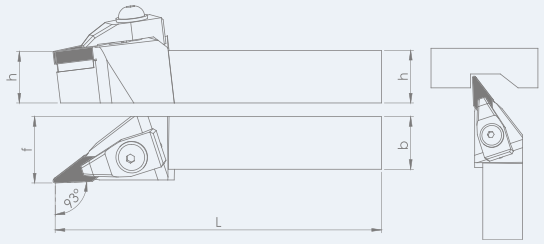


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DTJNR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DTJNR/L - 2020 - K22	VRD1125	VRD1168	20	20	125	25	**TNM..** **22 04..**	VDP 02	VRV 02 M6	VRTN 22	VAV 02 M5	VRY 02	AA3
DTJNR/L - 2525 - M22	VRD1127	VRD1170	25	25	150	32							
DTJNR/L - 3232 - P22	VRD1129	VRD1172	32	32	170	40							
DTJNR/L - 2020 - K16	VRD1133	VRD1176	20	20	125	25	**TNM..** **16 04..**	VDP 01	VRV 01 M5	VRTN 16	VAV 11 M5	VRY 01	AA3
DTJNR/L - 2525 - M16	VRD1135	VRD1178	25	25	150	32							
DTJNR/L - 3232 - P16	VRD1137	VRD1180	32	32	170	40							
DTJNR/L - 4040 - S22	VRD1207	VRD1208	40	40	250	50	**TNM..** **22 04..**	VDP 01	VRV 01 M5	VRTN 22	VAV 11 M5	VRY 01	AA3

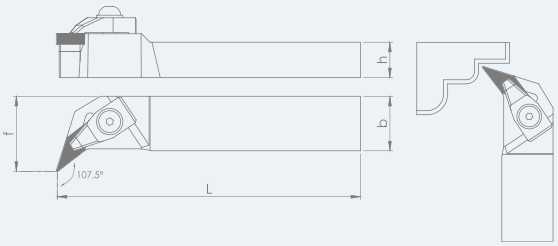




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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DVJNR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DVJNR/L - 1616 - H16	VRD1139	VRD1182	16	16	100	20							
DVJNR/L - 2020 - K16	VRD1141	VRD1184	20	20	125	25	**VNM..** **16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 11 M5	VRY 01	AA3
DVJNR/L - 2525 - M16	VRD1143	VRD1186	25	25	150	32							
DVJNR/L - 3232 - P16	VRD1145	VRD1188	32	32	170	40							





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DVHNR /L 107,5°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
DVHNR/L - 2020 - K16	VRD1147	VRD1190	20	20	125	25							
DVHNR/L - 2525 - M16	VRD1149	VRD1192	25	25	150	32	**VNM..** **16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 11 M5	VRY 01	AA3
DVHNR/L - 3232 - P16	VRD1151	VRD1194	32	32	170	40							

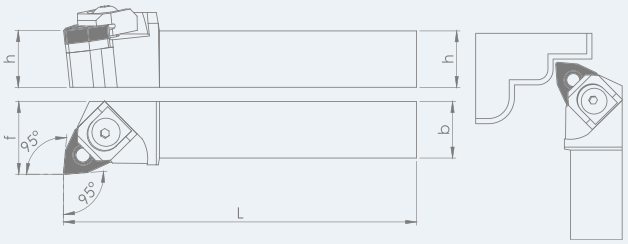


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M SİSTEM DIŞ TORNA KATERLERİ

M SYSTEM EXTERNAL LATHE TOOL HOLDERS

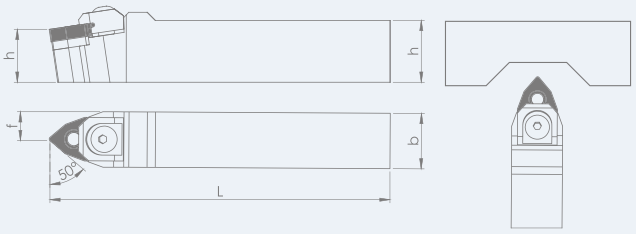




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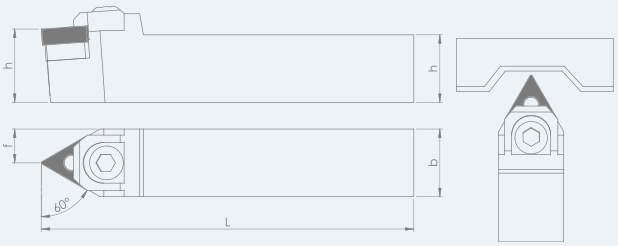
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MWLNR/L 95°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
MWLNR/L - 2020 - K08	VRM1153	VRM1196	20	20	125	25							
MWLNR/L - 2525 - M08	VRM1155	VRM1198	25	25	150	32	**WNM..** **08 04..**	VMP 02	VRV 02 M6	VRWN 08	VAV 10 M6	VRY 01	AA3
MWLNR/L - 3232 - P08	VRM1157	VRM1200	32	32	170	40							
MWLNR/L - 4040 - S08	VRM1159	VRM1202	40	40	250	50							
MWLNR/L - 2020 - K06	VRM1161	VRM1204	20	20	125	25	**WNM..** **06 T3..**	VMP 01	VRV 01 M5	VRWN 06	VAV 08 M5	VRY 01	AA3
MWLNR/L - 2525 - M06	VRM1163	VRM1206	25	25	150	32							





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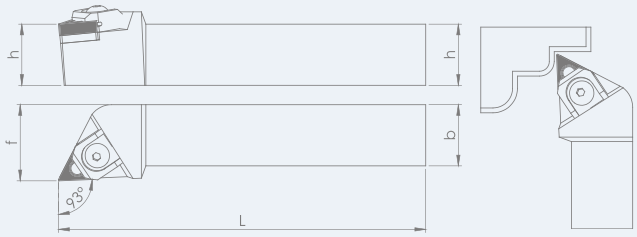
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MWENN 50°		**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
MWENN - 2020 - K08	VRN1208	20	20	125	10							
MWENN - 2525 - M08	VRN1210	25	25	150	12,5	**WNM..** **08 04..**	VMP 02	VRV 02 M6	VRWN 08	VAV 10 M6	VRY 01	AA3
MWENN - 3232 - P08	VRN1212	32	32	170	16							
MWENN - 2020 - K06	VRN1214	20	20	125	10	**WNM..** **06 T3..**	VMP 01	VRV 01 M5	VRWN 06	VAV 08 M5	VRY 01	AA3
MWENN - 2525 - M06	VRN1216	25	25	150	12,5							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
		h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
MTENN 60°												
MTENN - 2020 - K16	VRN1218	20	20	125	10							
MTENN - 2525 - M16	VRN1220	25	25	150	12,5	**TNM.. 16 04..**	VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
MTENN - 3232 - P16	VRN1222	32	32	170	16							
MTENN - 2525 - M32	VRN1224	25	25	150	12,5	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 02 M5	VRY 01	AA3
MTENN - 3232 - P22	VRN1226	32	32	170	16							



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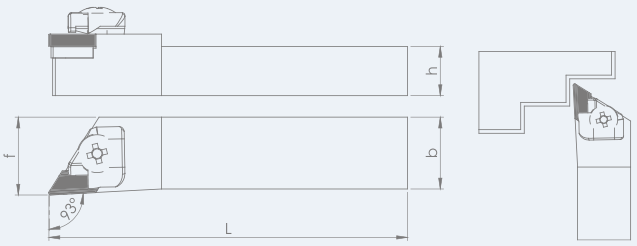
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
			h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
MTJNR/L 93°	**Sol** / Left	**Sağ** / Right											
MTJNR/L - 2020 - K16	VRM1165	VRM1228	20	20	125	25							
MTJNR/L - 2525 - M16	VRM1167	VRM1230	25	25	150	32	**TNM.. 16 04..**	VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
MTJNR/L - 3232 - P16	VRM1169	VRM1232	32	32	170	40							
MTJNR/L - 4040 - S16	VRM1241	VRM1242	40	40	250	50							
MTJNR/L - 2020 - K22	VRM1171	VRM1234	20	20	125	25							
MTJNR/L - 2525 - M22	VRM1173	VRM1236	25	25	150	32	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 10 M6	VRY 01	AA3
MTJNR/L - 3232 - P22	VRM1175	VRM1238	32	32	170	40							
MTJNR/L - 4040 - S22	VRM1177	VRM1240	40	40	250	50							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
CKJNR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
CKJNR/L - 2020 - K16	VRC1179	VRC1242	20	20	125	25							
CKJNR/L - 2525 - M16	VRC1181	VRC1244	25	25	150	32	KNUX16 R/L	VCP 01	VRV 04 M6	VRKN 16 R/L	VAV 01 M3	VRY 02	AA4
CKJNR/L - 3232 - P16	VRC1183	VRC1246	32	32	170	40							
CKJNR/L - 4040 - S16	VRC1185	VRC1248	40	40	250	50							

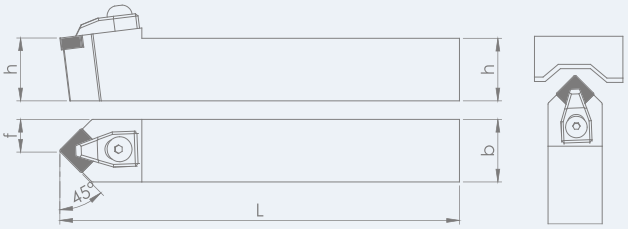


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS				
CTGPR/L 90°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
CTGPR/L - 2020 - K16	VRC1191	VRC1254	20	20	125	25						
CTGPR/L - 2525 - M16	VRC1193	VRC1256	25	25	150	32	**TP 1603..**	VCP 03	VRT 09 M4x11	-	-	T15
CTGPR/L - 3232 - P16	VRC1277	VRC1278	32	32	170	40						
CTGPR/L - 2525 - M22	VRC1195	VRC1258	25	25	150	32	**TP 2204..**	VCP 04	VRV 04 M6	VRTP 22	VAV 02 M5	T20
CTGPR/L - 3232 - P22	VRC1197	VRC1260	32	32	170	40						

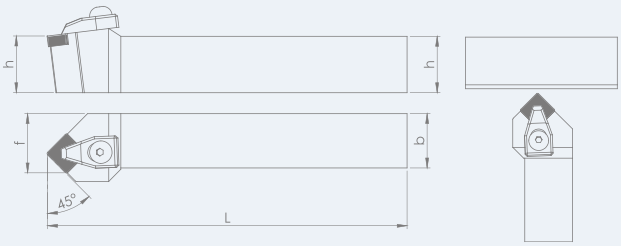




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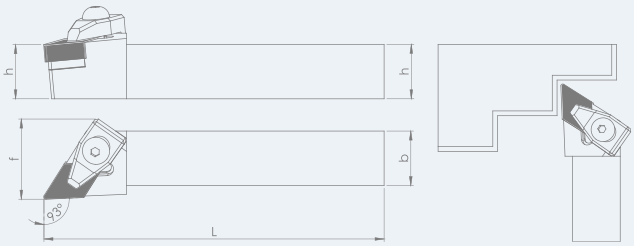
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
CSDNN 45°		h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
CSDNN - 2525 - M12	VRN1262	25	25	150	12,5	**SNM.. 12 07..**	VCP 07	VRV 07 M8	VRSN 12	VAV 02 M5	-	AA4
CSDNN - 3232 - P12	VRC1264	32	32	170	16							





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
CSSNR 45°		h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
CSSNR - 2525 - M12	VRC1266	25	25	150	12,5	**SNM.. 12 07..**	VCP 07	VRV 07 M8	VRSN 12	VAV 02 M5	-	AA4
CSSNR - 3232 - P12	VRC1268	32	32	170	16							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
CDJNR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP 	BASKI VİDASI SCREW 	ALTLIK SHIM 	ALTLIK VİDASI SHIM SCREW 	YAY SPRING 	ANAHTAR ALLEN KEY 
CDJNR/L - 2525 - M15	VRC1199	VRC1270	25	25	150	32	**DNM..** **15 07..**	VCP 07	VRV 07 M8	VRDN 15	VAV 02 M5	-	AA4
CDJNR/L - 3232 - P15	VRC1201	VRC1272	32	32	170	40							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
CCLNR/L 95°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP 	BASKI VİDASI SCREW 	ALTLIK SHIM 	ALTLIK VİDASI SHIM SCREW 	YAY SPRING 	ANAHTAR ALLEN KEY 
CCLNR/L - 2525 - M12	VRC1273	VRC1274	25	25	150	32	**CNM..** **12 07..**	VCP 07	VRV 07 M8	VRCN 12	VAV 02 M5	-	AA4
CCLNR/L - 3232 - P12	VRC1275	VRC1276	32	32	170	40							

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S SYSTEM EXTERNAL LATHE TOOL HOLDERS


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SRDCN 2525 M10
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SVJBR 2020 K16

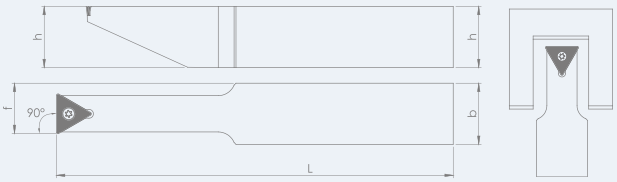




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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
SRHCR/L 20°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW 	ANAHTAR ALLEN KEY 
SRHCR/L - 2525 - K10	VRS1203	VRS1274	25	25	125	25	**RC.. 10**	VRT 07 M3,5x11	T15
SRHCR/L - 2525 - K12	VRS1205	VRS1276	25	25	125	25	**RC.. 12**	VRT 07 M3,5x11	T15





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	SIKMA VİDASI SCREW	ANAHTAR ALLEN KEY
STTCN 90°		**L1**	**h**	**b**	**L**	**f**			
STTCN - 2525 - P11	VRS1278	65	25	25	170	12,5	**TC.. 11 02..**	VRT 04 M2,5x7	T08
STTCN - 2525 - P16	VRN1280	65	25	25	170	12,5	**TC.. 16 T3..**	VRT 07 M3,5x11	T15
STTCN - 3232 - P16	VRN1282	70	32	32	170	16			
STTCN - 3232 - P22	VRN1284	70	32	32	170	16	**TC.. 22 04..**	VRT 11 M4,5x16	T20



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
STJCR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
STJCR/L - 1616 - H16	VRS1207	VRS1286	16	16	100	20					
STJCR/L - 2020 - K16	VRS1209	VRS1288	20	20	125	25	**TC.. 16 T3..**	VRT 07 M3,5x11	VRTC 16	VAV 06 M5.05	T15
STJCR/L - 2525 - M16	VRS1211	VRS1290	25	25	150	32					
STJCR/L - 3232 - P16	VRS1213	VRS1292	32	32	170	40					



TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SCACR/L 90°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SCACR/L - 1212 - F09	VRS1215	VRS1294	12	12	80	16		VRT 06 M3,5x9	-	-	T15
SCACR/L - 1616 - H09	VRS1217	VRS1296	16	16	100	20	**CCM.. 09 T3..**				
SCACR/L - 2020 - K09	VRS1219	VRS1298	20	20	125	25		VRT 07 M3,5x11	VRCM 09	VAV 06 M5.05	T15
SCACR/L - 2525 - M09	VRS1221	VRS1300	25	25	150	32					
SCACR/L - 2020 - K12	VRS1223	VRS1302	20	20	125	25	**CCM.. 12 04..**	VRT 10 M4,5x12	-	-	T20
SCACR/L - 2525 - M12	VRS1225	VRS1304	25	25	150	32					

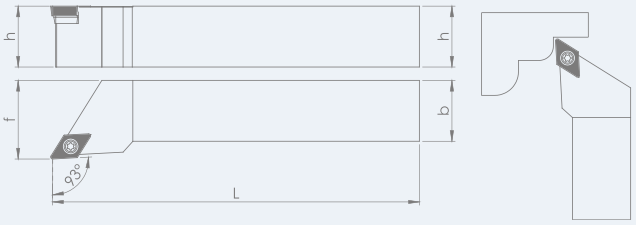




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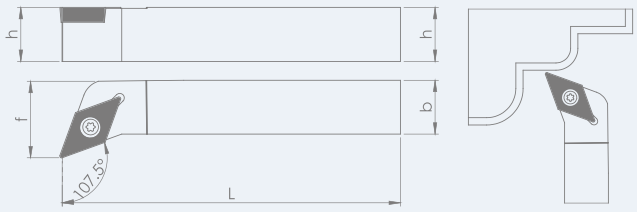
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT				YEDEK PARÇALAR SPARE PARTS
SSDCN 45°		h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SSDCN - 2020 - K09	VRN1498	20	20	125	10	**SC. T 09 T3..**	VRT 07 M3,5	VRCM 09	VAV 06 M5.05	T15
SSDCN - 2525 - M09	VRN1299	25	25	159	12,5					
SSDCN - 2020 - K12	VRN1306	20	20	125	10	**SC. T 12 04..**	VRT 10 M4,5x12	VRSC 12	VAV 07 M6.075	T20
SSDCN - 2525 - M12	VRN1308	25	25	150	12,5					





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT				YEDEK PARÇALAR SPARE PARTS
SDJCR/L 93°	**Sol** / Left	**Sağ** / Right	h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SDJCR/L - 0808 - F07	VRS1227	VRS1310	08	08	80	10	**DCM.. 07 T3..**	VRT 04 M2,5x7	-	-	T08
SDJCR/L - 1010 - F07	VRS1229	VRS1312	10	10	80	12					
SDJCR/L - 1212 - F07	VRS1231	VRS1314	12	12	80	16					
SDJCR/L - 1212 - F11	VRS1233	VRS1316	12	12	80	16	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
SDJCR/L - 1616 - H11	VRS1235	VRS1318	16	16	100	20		VRT 07 M3,5x11	VRDC 11	VAV 06 M5.05	T15
SDJCR/L - 2020 - K11	VRS1237	VRS1320	20	20	125	25					
SDJCR/L - 2525 - M11	VRS1239	VRS1322	25	25	150	32					
SDJCR/L - 3232 - P11	VRS1241	VRS1324	32	32	170	40					



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SDHCR/L 107,5°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SDHCR/L - 2020 - K11	VRS1243	VRS1326	20	20	125	25	**DCM..** **11 T3..**	VRT 07 M3,5x11	VRDC 11	VAV 06 M5.05	T15
SDHCR/L - 2525 - M11	VRS1245	VRS1328	25	25	150	32					

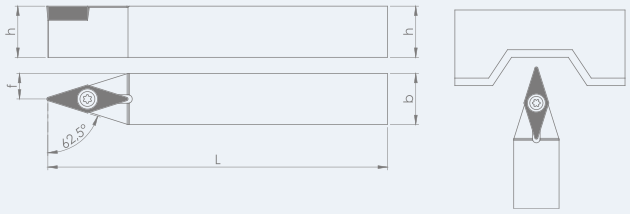


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
STGCR/L 90°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
STGCR/L - 1616 - H16	VRS1247	VRS1330	16	16	100	20					
STGCR/L - 2020 - K16	VRS1249	VRS1332	20	20	125	25	**TC..** **16 T3..**	VRT 07 M3,5x11	VRTC 16	VAV 06 M5.05	T15
STGCR/L - 2525 - M16	VRS1251	VRS1334	25	25	150	32					
STGCR/L - 3232 - P16	VRS1253	VRS1336	32	32	170	40					





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
							BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SDNCN **62,5°**		**h**	**b**	**L**	**f**					
SDNCN - 1212 - F07	VRN1338	12	12	80	6	**DCM.. 07 T3..**	VRT 04 M2,5x7	-	-	T08
SDNCN - 1212 - F11	VRN1340	12	12	80	6		VRT 06 M3,5x9	-	-	T15
SDNCN - 1616 - H11	VRN1342	16	16	100	8					
SDNCN - 2020 - K11	VRN1344	20	20	125	10	**DCM.. 11 T3..**	VRT 07 M3,5x11	VRDC 11	VAV 06 M5.05	T15
SDNCN - 2525 - M11	VRN1346	25	25	150	12,5					
SDNCN - 3232 - P11	VRN1348	32	32	170	16					





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
								BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVJBR/L **93°**	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**					
SVJBR/L - 1212 - F11	VRS1255	VRS1350	12	12	80	16		VRT 04 M2,5x7	-	-	T08
SVJBR/L - 1616 - H11	VRS1257	VRS1352	16	16	100	20	**VBM.. 11 03..**	VRT 04 M2,5x7	-	-	T08
SVJBR/L - 2020 - K11	VRS1259	VRS1354	20	20	125	25					
SVJBR/L - 1616 - H16	VRS1521	VRS1522	16	16	100	20					
SVJBR/L - 2020 - K16	VRS1261	VRS1356	20	20	125	25	**VBM.. 16 04..**	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVJBR/L - 2525 - M16	VRS1263	VRS1358	25	25	150	32					
SVJBR/L - 3232 - P16	VRS1265	VRS1360	32	32	170	40					

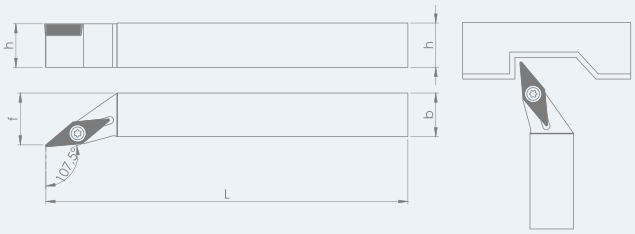


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SVVBN 72,5°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
		h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVVBN - 1212 - F11	VRN1362	12	12	80	6	VBM.. 11 03..	VRT 04 M2,5x7	-	-	T08
SVVBN - 1616 - H11	VRN1364	16	16	100	8					
SVVBN - 2020 - K11	VRN1366	20	20	125	10					
SVVBN - 1616 - H16	VRN1500	16	16	100	8	VBM.. 16 04..	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVVBN - 2020 - K16	VRN1368	20	20	125	10					
SVVBN - 2525 - M16	VRN1370	25	25	150	12,5					
SVVBN - 3232 - P16	VRN1372	32	32	170	16					



TEKNİK ÇİZİM / TECNHICAL DRAWING



SVHBR/L 107,5°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
	Sol / Left	Sağ / Right	h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVHBR/L - 1212 - F11	VRS1267	VRS1374	12	12	80	16	VBM.. 11 03..	VRT 04 M2,5x7	-	-	T08
SVHBR/L - 1616 - H11	VRS1269	VRS1376	16	16	100	20					
SVHBR/L - 2020 - K11	VRS1271	VRS1378	20	20	125	25					
SVHBR/L - 2020 - K16	VRS1275	VRS1382	20	20	125	25	VBM.. 16 04..	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVHBR/L - 2525 - M16	VRS1277	VRS1384	25	25	150	32					
SVHBR/L - 3232 - P16	VRS1279	VRS1386	32	25	170	40					

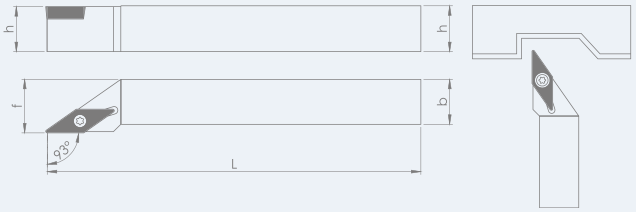




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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SVHCR/L 107,5°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVHCR/L - 1212 - F11	VRS1281	VRS1388	12	12	80	16					
SVHCR/L - 1616 - H11	VRS1283	VRS1390	16	16	100	20	**VCM..** **11 03..**	VRT 04 M2,5x7	-	-	T08
SVHCR/L - 2020 - K11	VRS1285	VRS1392	20	20	125	25					
SVHCR/L - 2020 - K16	VRS1287	VRS1394	20	20	125	25					
SVHCR/L - 2525 - M16	VRS1289	VRS1396	25	25	150	32	**VCM..** **16 04..**	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVHCR/L - 3232 - P16	VRS1291	VRS1398	32	25	170	40					





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SVJCR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVJCR/L - 1212 - F11	VRS1293	VRS1400	12	12	80	16					
SVJCR/L - 1616 - H11	VRS1295	VRS1402	16	16	100	20	**VCM..** **11 03..**	VRT 04 M2,5x7	-	-	T08
SVJCR/L - 2020 - K11	VRS1297	VRS1404	20	20	125	25					
SVLCR/L - 1616 - H16	VRS1523	VRS1524	16	16	100	20					
SVJCR/L - 2020 - K16	VRS1299	VRS1406	20	20	125	25					
SVJCR/L - 2525 - M16	VRS1301	VRS1408	25	25	150	32	**VCM..** **16 04..**	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVJCR/L - 3232 - P16	VRS1303	VRS1410	32	32	170	40					

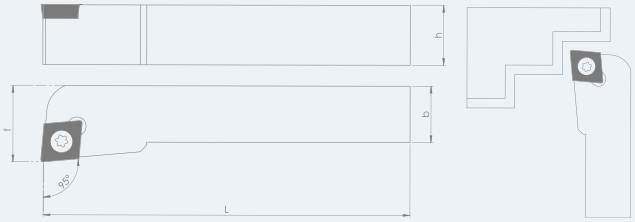


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SVVCN 72,5°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) h	b	L	f	KESİCİ UÇ INSERT	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SVVCN - 1212 - F11	VRN1412	12	12	80	6	VCM.. 11 03..	VRT 04 M2,5x7	-	-	T08
SVVCN - 1616 - H11	VRN1414	16	16	100	8					
SVVCN - 2020 - K11	VRN1416	20	20	125	10					
SVVCN - 1616 - H16	VRN1501	16	16	100	8	VCM.. 16 04..	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
SVVCN - 2020 - K16	VRN1420	20	20	125	10					
SVVCN - 2525 - M16	VRN1422	25	25	150	12,5					
SVVCN - 3232 - P16	VRN1424	32	25	170	16					



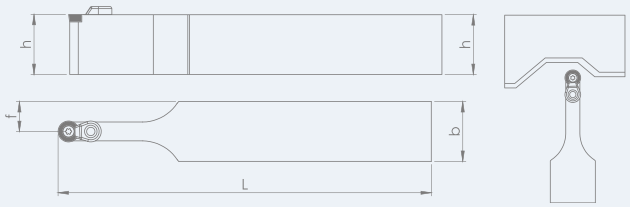
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SCLCR/L 95°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE Sol / Left	Sağ / Right	KATER ÖLÇÜLERİ DIMENSIONS (mm) h	b	L	f	KESİCİ UÇ INSERT	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SCLCR/L - 0808 - F06	VRS1305	VRS1426	08	08	80	10	CCM.. 06 02..	VRT 04 M2,5x7	-	-	T08
SCLCR/L - 1010 - F06	VRS1307	VRS1428	10	10	80	12					
SCLCR/L - 1212 - F06	VRS1309	VRS1430	12	12	80	16					
SCLCR/L - 1212 - F09	VRS1311	VRS1432	12	12	80	16	CCM.. 09 T3..	VRT 06 M3,5x9	-	-	T15
SCLCR/L - 1616 - H09	VRS1313	VRS1434	16	16	100	20		VRT 07 M3,5x11	VRCM 09	VAV 06 M5.05	T15
SCLCR/L - 2020 - K09	VRS1315	VRS1436	20	20	125	25					
SCLCR/L - 2525 - M09	VRS1317	VRS1438	25	25	150	32					
SCLCR/L - 2020 - K12	VRS1319	VRS1440	20	20	125	25	CCM.. 12 04..	VRT 10 M4,5x12	-	-	T20
SCLCR/L - 2525 - M12	VRS1321	VRS1442	25	25	150	32					





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SRDCN 90°		h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI WEDGE SCREW	ANAHTAR ALLEN KEY
SRDCN - 2020 - K06	VRN1444	20	20	125	10	**RC.. 06**	-	-	VRT 04 M2,5x7	T08
SRDCN - 2525 - M06	VRN1446	25	25	150	12,5					
SRDCN - 2020 - K08	VRN1448	20	20	125	10	**RC.. 08**	-	-	VRT 05 M3x8	T10
SRDCN - 2525 - M08	VRN1450	25	25	150	12,5					
SRDCN - 3232 - P08	VRN1452	32	32	170	16					
SRDCN - 2020 - K10	VRN1454	20	20	125	10	**RC.. 10**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
SRDCN - 2525 - M10	VRN1456	25	25	150	12,5					
SRDCN - 3232 - P10	VRN1458	32	32	170	16					
SRDCN - 2020 - K12	VRN1460	20	20	125	10	**RC.. 12**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
SRDCN - 2525 - M12	VRN1462	25	25	150	12,5					
SRDCN - 3232 - P12	VRN1464	32	32	170	16					
SRDCN - 2020 - K16	VRN1466	20	20	125	10	**RC.. 16**	VCP 04	VRT 12 M6x16	VRT 13 M5x12	T20
SRDCN - 2525 - M16	VRN1468	25	25	150	12,5					
SRDCN - 3232 - P16	VRN1470	32	32	170	16					
SRDCN - 4040 - S16	VRN1502	40	40	250	50					
SRDCN - 2525 - M20	VRN1472	25	25	150	12,5	**RC.. 20**	VCP 04	VRT 12 M6x16	VRT 12 M6x16	T20
SRDCN - 3232 - P20	VRN1474	32	32	170	16					
SRDCN - 4040 - S20	VRN1476	40	40	250	50					





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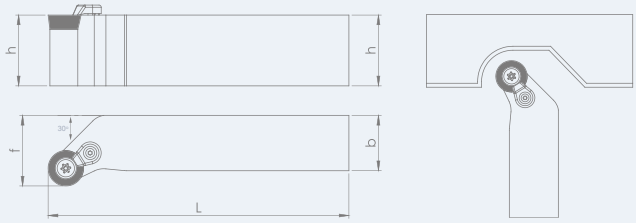
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SSSCR/L 45°	**Sol** / Left	**Sağ** / Right	h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SSSCR/L - 2020 - K12	VRS1323	VRS1478	20	20	125	25	**SC. T.. 12 04..**	VRT 10 M4,5x12	VRSC 12	VAV 07 M6.075	T20
SSSCR/L - 2525 - M12	VRS1325	VRS1480	25	25	150	32					



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SCMCN 50°		h	b	L	f		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SCMCN - 1212 - F09	VRN1482	12	12	80	06		VRT 03 M3,5x9	-	-	T15
SCMCN - 1616 - H09	VRN1484	16	16	100	08	**CCM.. 09 T3..**				
SCMCN - 2020 - K09	VRN1486	20	20	125	10		VRT 07 M3,5x11	VRCM 09	VAV 06 M5.05	T15
SCMCN - 2525 - M09	VRN1488	25	25	150	12,5					
SCMCN - 2020 - K12	VRN1490	20	20	125	10	**CCM.. 12 04..**	VRT 10 M4,5x12	-	-	T20
SCMCN - 2525 - M12	VRN1492	25	25	150	12,5					



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SRGCR/L 30°	**Sol** / Left	**Sağ** / Right	h	b	L	f		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SRGCR/L - 2020 - K06	VRS1327	VRS1494	20	20	125	25	**RC.. 06**	-	-	VRT 04 M2,5x7	T8
SRGCR/L - 2525 - M06	VRS1329	VRS1496	25	25	150	32					
SRGCR/L - 2020 - K08	VRS1331	VRS1498	20	20	125	25	**RC.. 08**	-	-	VRT 05 M3x8	T10
SRGCR/L - 2525 - M08	VRS1333	VRS1500	25	25	150	32					
SRGCR/L - 2020 - K10	VRS1337	VRS1504	20	20	125	25					
SRGCR/L - 2525 - M10	VRS1339	VRS1506	25	25	150	32	**RC.. 10**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
SRGCR/L - 3232 - P10	VRS1341	VRS1508	32	32	170	16					
SRGCR/L - 2020 - K12	VRS1343	VRS1510	20	20	125	25					
SRGCR/L - 2525 - M12	VRS1345	VRS1512	25	25	150	32	**RC.. 12**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
SRGCR/L - 3232 - P12	VRS1347	VRS1514	32	32	170	16					
SRGCR/L - 2020 - K16	VRS1349	VRS1516	20	20	125	25					
SRGCR/L - 2525 - M16	VRS1351	VRS1518	25	25	150	32	**RC.. 16**	VCP 04	VRT 12 M6x16	VRT 13 M5x12	T20
SRGCR/L - 3232 - P16	VRS1353	VRS1520	32	32	170	16					
SRGCR/L - 3232 - P20	VRS1503	VRS1504	32	32	170	16	**RC.. 20**				

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P SİSTEM DIŞ TORNA KATERLERİ

P SYSTEM EXTERNAL LATHE
TOOL HOLDERS

TIRTIR TORNA KATERLERİ

INCHINEMUON CLAMP
OUTSIDE DIAMETER





TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS				
PTJNR/L 93°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP 	BASKI VİDASI SCREW 	ALTLIK SHIM 	ALTLIK VİDASI SHIM SCREW 	ANAHTAR ALLEN KEY 
PTJNR/L - 2020 - K22	VRP1361	VRP1532	20	20	125	25						
PTJNR/L - 2525 - M22	VRP1363	VRP1534	25	25	150	32	**TNM..** **22 04..**	VPDP 03	VPV 03	VPTN 22	VAPV 03	AA3
PTJNR/L - 3232 - P22	VRP1365	VRP1536	32	32	170	40						
PTJNR/L - 4040 - S22	VRP1367	VRP1538	40	40	200	50						
PTJNR/L - 2020 - K16	VRP1369	VRP1540	20	20	125	25						
PTJNR/L - 2525 - M16	VRP1371	VRP1542	25	25	150	32	**TNM..** **16 04..**	VPDP 04	VPV 04	VPTN 16	VAPV 04	AA3
PTJNR/L - 3232 - P16	VRP1373	VRP1544	32	32	170	40						



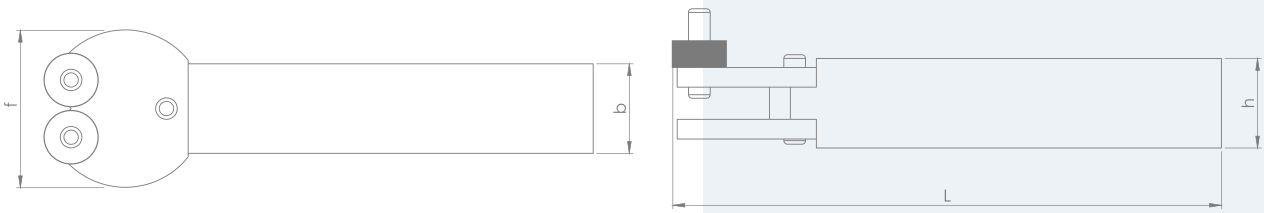
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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS				
PCLNR/L 95°	**Sol** / Left	**Sağ** / Right	**h**	**b**	**L**	**f**		BASKI PARÇASI WEDGE CLAMP 	BASKI VİDASI SCREW 	ALTLIK SHIM 	ALTLIK VİDASI SHIM SCREW 	ANAHTAR ALLEN KEY 
PCLNR/L - 2020 - K12	VRP1375	VRP1546	20	20	125	25						
PCLNR/L - 2525 - M12	VRP1377	VRP1548	25	25	150	32	**CNM..** **12 04..**	VPDP 02	VPV 02	VPCN 12	VAPV 02	AA3
PCLNR/L - 3232 - P12	VRP1379	VRP1550	32	32	170	40						
PCLNR/L - 4040 - S12	VRP1381	VRP1552	40	40	250	50						



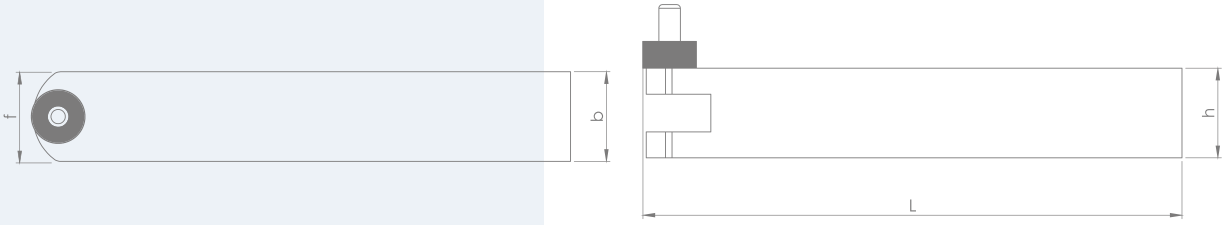
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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS
TIRTIR		h	b	L	f		PİM PINTLE
TKCN - 25 25 2	VRN1505	25	25	150	44	**20 x 10 x 16**	VTP 005



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS
TIRTIR		h	b	L	f		PİM PINTLE
TKCN - 25 25 1	VRN1506	25	25	150	25	**20 x 10 x 16**	VTP 005


VORGEN S25S DVQNR 16
VORGEN S25S DTUNR 15
VORGEN S25S STFCR 16
VORGEN S32T DDQNR 15
VORGEN S32T DDQNR 15
VORGEN S25S DTUNR 16



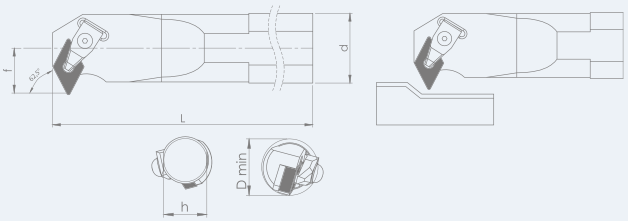
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D SİSTEM DELİK TORNA KATERLERİ

D SYSTEM BORING BARS

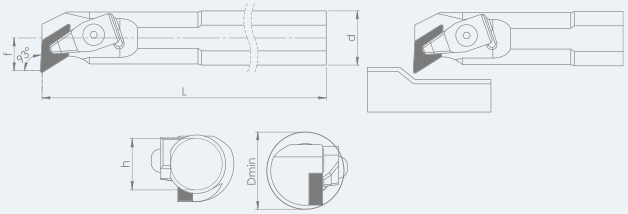




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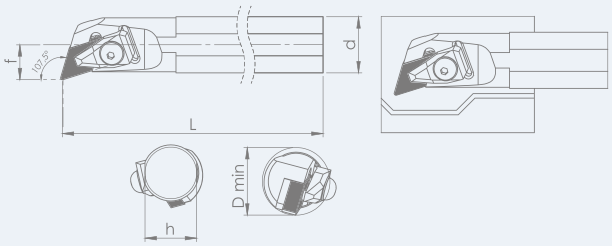
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DD-NR/L 62,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S32T - DD-NR/L - 15	VRI1383	VRI1558	32	30	300	22	44							
S40U - DD-NR/L - 15	VRI1385	VRI1560	40	37,5	350	29	52	**DNM.. 15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
S50V - DD-NR/L - 15	VRI1387	VRI1562	50	47	420	36	67							





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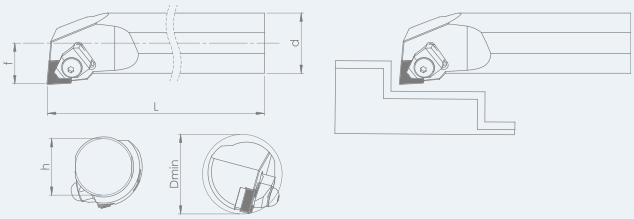
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DDUNR/L 93°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - DDUNR/L - 11	VRI1389	VRI1564	20	18	200	13	25							
S25S - DDUNR/L - 11	VRI1391	VRI1566	25	23	250	17	32	**DNM.. 11 04..**	VDP 01	VRV 01 M5	-	-	VRY 01	AA3
S25S - DDUNR/L - 15	VRI1393	VRI1568	25	23	250	17	32	**DNM.. 15 04..**	VDP 01	VRV 01 M5	VRDC 11	VAV 03 M4	VRY 01	AA3
S32T - DDUNR/L - 15	VRI1395	VRI1570	32	30	300	22	40							
S40U - DDUNR/L - 15	VRI1397	VRI1572	40	37,5	350	27	50	**DNM.. 15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
S50V - DDUNR/L - 15	VRI1399	VRI1574	50	47	420	35	63							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DDQNR/L 107,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - DDQNR/L - 11	VRI1401	VRI1576	20	18	200	13	25	**DNM.. 11 04..**	VDP 01	VRV 01 M5	-	-	VRY 01	AA3
S25S - DDQNR/L - 11	VRI1403	VRI1578	25	23	250	17	32		VDP 01	VRV 01 M5	VRDC 11	VAV 03 M4	VRY 01	AA3
S25S - DDQNR/L - 15	VRI1405	VRI1580	25	23	250	17	32	**DNM.. 15 06..**	VDP 02	VRV 02 M6	VRDN 15	VAV 02 M5	VRY 01	AA3
S32T - DDQNR/L - 15	VRI1407	VRI1582	32	30	300	22	40							
S40U - DDQNR/L - 15	VRI1409	VRI1584	40	37	350	27	50							
S50V - DDQNR/L - 15	VRI1411	VRI1586	50	47	420	35	63							

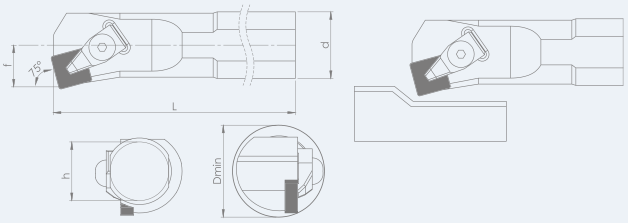


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DCLNR/L 95°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - DCLNR/L - 12	VRI1413	VRI1588	20	18	200	13	25		VDP 02	VRV 01 M6	-	-	VRY 01	AA3
S25S - DCLNR/L - 12	VRI1415	VRI1590	25	23	250	17	32	**CNM.. 12 04..**	VDP 02	VRV 02 M6	VRCN 12	VAV 02 M5	VRY 01	AA3
S32T - DCLNR/L - 12	VRI1417	VRI1592	32	30	300	22	40							
S40U - DCLNR/L - 12	VRI1419	VRI1594	40	37	350	27	50							
S50V - DCLNR/L - 12	VRI1421	VRI1596	50	47	420	35	63							
S32T - DCLNR/L - 16	VRI1423	VRI1598	32	30	300	22	40	**CNM.. 16 06..**	VDP 04	VRV 03 M6	VRCN 16	VAV 04 M5	VRY 02	AA4
S40U - DCLNR/L - 16	VRI1425	VRI1600	40	37	350	27	50							
S50V - DCLNR/L - 16	VRI1427	VRI1602	50	47	420	35	63							
S40U - DCLNR/L - 19	VRI1429	VRI1604	40	37	350	27	50	**CNM.. 19 06..**	VDP 05	VRV 03 M6	VRCN 19	VAV 05 M6	VRY 02	AA4
S50V - DCLNR/L - 19	VRI1431	VRI1606	50	47	420	35	63							

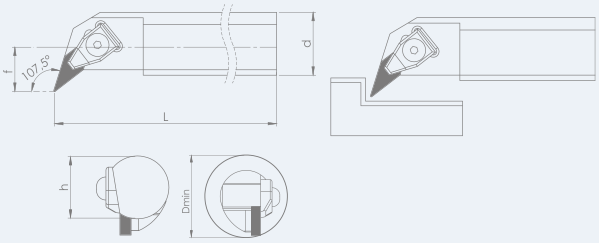




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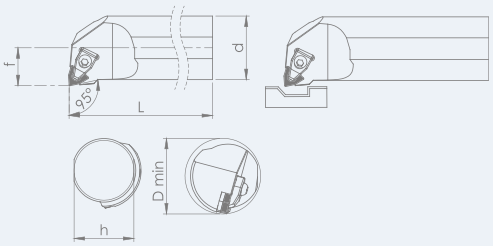
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DSKNR/L 75°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S25S - DSKNR/L - 12	VRI1433	VRI1608	25	23	250	17	32							
S32T - DSKNR/L - 12	VRI1435	VRI1610	32	30	300	22	40	**SNM.. 12 04..**	VDP 02	VRV 02 M6	VRSN 12	VAV 02 M5	VRY 01	AA3
S40U - DSKNR/L - 12	VRI1437	VRI1612	40	37	350	27	50							





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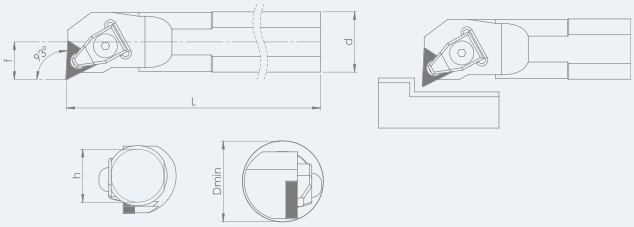
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DVQNR/L 107,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S25S - DVQNR/L - 16	VRI1439	VRI1614	25	23	250	20	32							
S32T - DVQNR/L - 16	VRI1441	VRI1616	32	30	300	22	40	**VNM.. 16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 11	VRY 01	AA3
S40U - DVQNR/L - 16	VRI1443	VRI1618	40	37,5	350	27	50							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DWLNR/L 95°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - DWLNR/L - 06	VRI1447	VRI1622	20	18	200	13	25							
S25S - DWLNR/L - 06	VRI1449	VRI1624	25	23	250	17	32	**WNM.. 06 04..**	VDP 01	VRV 01 M5	VRWN 06	VAV 03 M4	VRY 01	AA3
S32T - DWLNR/L - 06	VRI1451	VRI1626	32	30	300	22	40							
S25S - DWLNR/L - 08	VRI1453	VRI1628	25	23	250	17	32							
S32T - DWLNR/L - 08	VRI1455	VRI1630	32	30	300	22	40	**WNM.. 08 04..**	VDP 02	VRV 02 M6	VRWN 08	VAV 02 M5	VRY 01	AA3
S40U - DWLNR/L - 08	VRI1457	VRI1632	40	37	350	27	50							
S50V - DWLNR/L - 08	VRI1459	VRI1634	50	47	420	35	63							

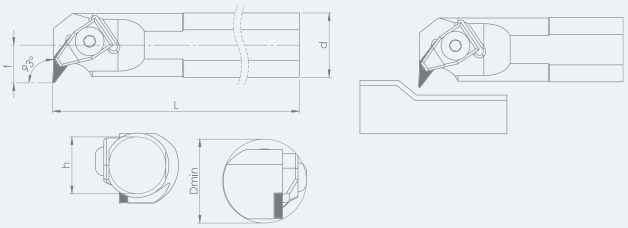


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
DTUNR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S25S - DTUNR/L - 16	VRI1461	VRI1636	25	23	250	17	32							
S32T - DTUNR/L - 16	VRI1463	VRI1638	32	30	300	22	40	**TNM.. 16 04..**	VDP 01	VRV 01 M5	VRTN 16	VAV 02 M5	VRY 01	AA3
S40U - DTUNR/L - 16	VRI1465	VRI1640	40	37	350	27	50							
S25S - DTUNR/L - 22	VRI1467	VRI1642	25	23	250	17	32							
S32T - DTUNR/L - 22	VRI1469	VRI1644	32	30	300	22	40	**TNM.. 22 04..**	VDP 02	VRV 02 M6	VRTN 22	VAV 02 M5	VRY 01	AA3
S40U - DTUNR/L - 22	VRI1471	VRI1646	40	37	350	27	50							
S50V - DTUNR/L - 22	VRI1473	VRI1648	50	47	420	35	63							





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS				
DVUNR/L 93°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S25S - DVUNR/L - 16	VRI1475	VRI1650	25	23	250	20	32							
S32T - DVUNR/L - 16	VRI1477	VRI1652	32	30	300	22	40	**VNM..** **16 04..**	VDP 03	VRV 02 M6	VRVB 16	VAV 02 M5	VRY 01	AA3
S40U - DVUNR/L - 16	VRI1479	VRI1654	40	37,5	350	27	50							



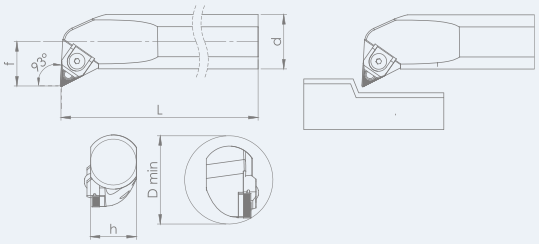
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M SYSTEM BORING BARS



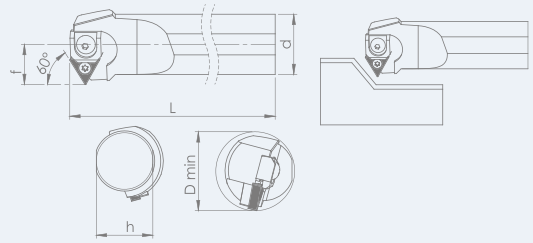




TEKNİK ÇİZİM / TECNHICAL DRAWING

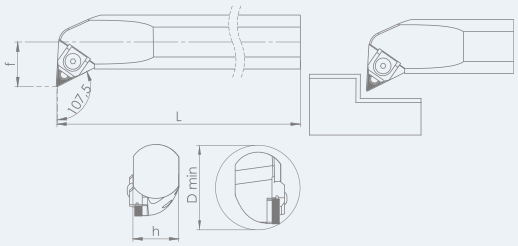
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MTUNR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - MTUNR/L - 16	VRI1481	VRI1656	20	18	200	13	25		VMP 03	VRV 01 M5	-	-	VRY 01	AA3
S25S - MTUNR/L - 16	VRI1483	VRI1658	25	23	250	17	32	**TNM.. 16 04..**	VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
S32T - MTUNR/L - 16	VRI1485	VRI1660	32	30	300	22	40							
S40U - MTUNR/L - 16	VRI1487	VRI1662	40	37	350	27	50							
S50V - MTUNR/L - 16	VRI1971	VRI1972	50	47	420	35	63							
S25S - MTUNR/L - 22	VRI1489	VRI1664	25	23	250	17	32	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 10 M6	VRY 01	AA3
S32T - MTUNR/L - 22	VRI1491	VRI1666	32	30	300	22	40							
S40U - MTUNR/L - 22	VRI1493	VRI1668	40	37	350	27	50							
S50V - MTUNR/L - 22	VRI1495	VRI1670	50	47	420	35	63							





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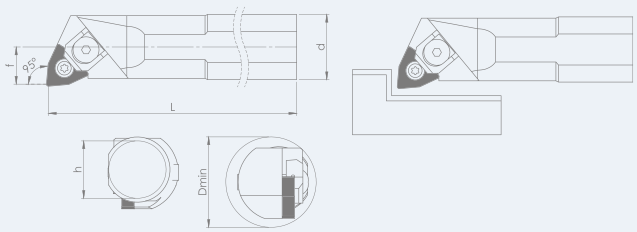
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MT-NR/L 60°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S25S - MT-NR/L - 16	VRI1497	VRI1672	25	23	250	17	32							
S32T - MT-NR/L - 16	VRI1499	VRI1674	32	30	300	22	40	**TNM.. 16 04..**	VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
S40U - MT-NR/L - 26	VRI1975	VRI1976	40	37	350	27	50							
S32T - MT-NR/L - 22	VRI1501	VRI1676	32	30	300	22	40							
S40U - MT-NR/L - 22	VRI1503	VRI1678	40	37	350	27	50	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 10 M6	VRY 01	AA3
S50V - MT-NR/L - 22	VRI1505	VRI1680	50	47	420	35	63							



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MTQNR/L 107,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - MTQNR/L - 16	VRI1507	VRI1682	20	18	200	13	25		VMP 03	VRV 01 M5	-	-	VRY 01	AA3
S25S - MTQNR/L - 16	VRI1509	VRI1684	25	23	250	17	32	**TNM.. 16 04..**	VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
S32T - MTQNR/L - 16	VRI1511	VRI1686	32	30	300	22	40							
S40U - MTQNR/L - 16	VRI1513	VRI1688	40	37	350	27	50							
S50V - MTQNR/L - 16	VRI1973	VRI1974	50	47	420	35	63							
S25S - MTQNR/L - 22	VRI1517	VRI1692	25	23	250	17	32	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 10 M6	VRY 01	AA3
S32T - MTQNR/L - 22	VRI1519	VRI1694	32	30	300	22	40							
S40U - MTQNR/L - 22	VRI1521	VRI1696	40	37	350	27	50							
S50V - MTQNR/L - 22	VRI1523	VRI1698	50	47	420	35	63							

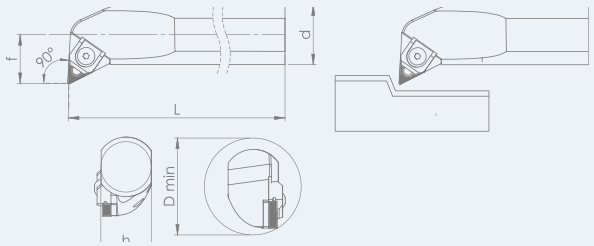


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MWLNR/L 95°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - MWLNR/L - 06	VRI1525	VRI1700	20	18	200	13	25							
S25S - MWLNR/L - 06	VRI1527	VRI1702	25	23	250	17	32	**WNM.. 06 03..**	VMP 01	VRV 01 M5	VRWN 06	VAV 08 M5	VRY 01	AA3
S32T - MWLNR/L - 06	VRI1529	VRI1704	32	30	300	22	40							
S20R - MWLNR/L - 08	VRI1531	VRI1706	20	18	200	13	25		VMP 02	VRV 02 M6	-	-	VRY 01	AA3
S25S - MWLNR/L - 08	VRI1533	VRI1708	25	23	250	17	32							
S32T - MWLNR/L - 08	VRI1535	VRI1710	32	30	300	22	40	**WNM.. 08 04..**	VMP 02	VRV 02 M6	VRWN 08	VAV 10 M6	VRY 01	AA3
S40U - MWLNR/L - 08	VRI1537	VRI1712	40	37	350	27	50							
S50V - MWLNR/L - 08	VRI1539	VRI1714	50	47	420	35	63							





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
MTFNR/L 90°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
S20R - MTFNR/L - 16	VRI1541	VRI1716	20	18	200	13	25		VMP 03	VRV 01 M5	-	-	VRY 01	AA3
S25S - MTFNR/L - 16	VRI1543	VRI1718	25	23	250	17	32	**TNM.. 16 04..**						
S32T - MTFNR/L - 16	VRI1545	VRI1720	32	30	300	22	40		VMP 03	VRV 01 M5	VRTN 16	VAV 08 M5	VRY 01	AA3
S40U - MTFNR/L - 16	VRI1547	VRI1722	40	37	350	27	50							
S25S - MTFNR/L - 22	VRI1549	VRI1724	25	23	250	17	32							
S32T - MTFNR/L - 22	VRI1551	VRI1726	32	30	300	22	40	**TNM.. 22 04..**	VMP 04	VRV 02 M6	VRTN 22	VAV 10 M6	VRY 01	AA3
S40U - MTFNR/L - 22	VRI1553	VRI1728	40	37	350	27	50							
S50V - MTFNR/L - 22	VRI1555	VRI1730	50	47	420	35	63							



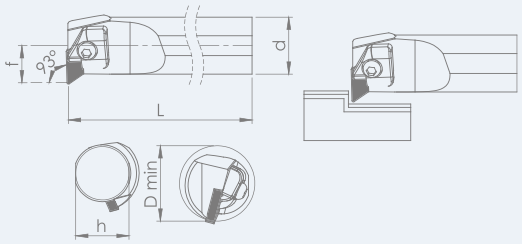
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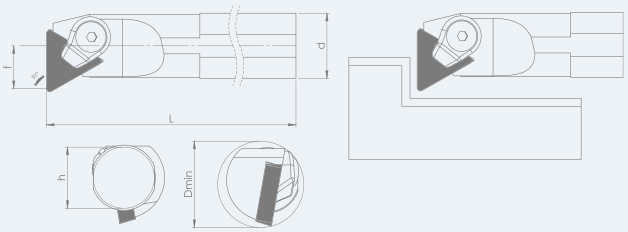




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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
									BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	YAY SPRING	ANAHTAR ALLEN KEY
CKUNR/L 93°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**							
S25S - CKUNR/L - 16	VRI1557	VRI1732	25	23	250	19	38	**KNUX..** **16 R/L**	VCP 01	VRV 04 M6	VRKN 16 R/L	VAV 01 M3	VRY 02	AA4
S28T - CKUNR/L - 16	VRI1559	VRI1734	28	26	290	19	38							
S32T - CKUNR/L - 16	VRI1561	VRI1736	32	30	330	22	40							
S40T - CKUNR/L - 16	VRI1563	VRI1738	40	37	400	27	50							
S45V - CKUNR/L - 16	VRI1565	VRI1740	45	42	400	29	52							
S50U - CKUNR/L - 16	VRI1567	VRI1742	50	47	420	35	63							





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS				
									BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
CTFPR/L 91°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**						
S12Q - CTFPR/L - 11	VRI1569	VRI1744	12	11	125	9	16	**TP..** **11 03..**	VCP 01	VRT 09 M4x11	-	-	T15
S16R - CTFPR/L - 16	VRI1571	VRI1746	16	15	180	11	20						
S20R - CTFPR/L - 16	VRI1573	VRI1748	20	18	200	13	25	**TP..** **16 03..**	VCP 03	VRT 09 M4x11	-	-	T15
S25S - CTFPR/L - 16	VRI1575	VRI1750	25	23	250	17	32						
S25S - CTFPR/L - 22	VRI1577	VRI1752	25	23	250	17	32	**TP..** **22 04..**	VCP 03	VRT12 M6x16	VRTP 22	VAV 02 M5	T20
S32T - CTFPR/L - 22	VRI1579	VRI1754	32	30	300	27	40						

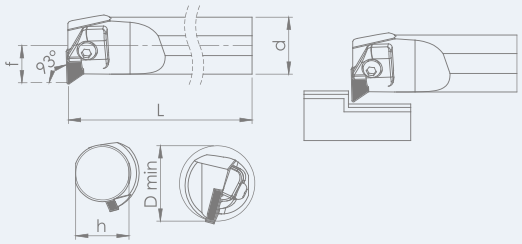
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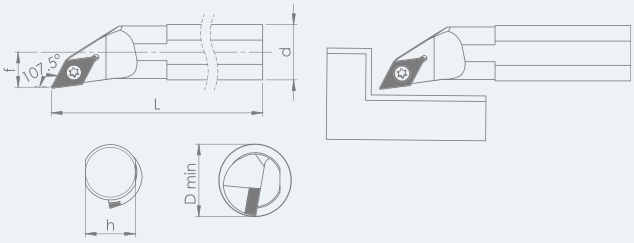




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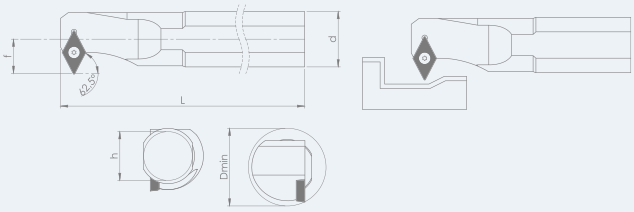
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
									BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SDUCR/L 93°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**					
S10J - SDUCR/L - 07	VRI1581	VRI1756	10	9	120	7	13					
S12K - SDUCR/L - 07	VRI1583	VRI1758	12	11	125	9	16					
S10-16M - SDUCR/L - 07	VRI1585	VRI1760	10-16	15	150	6	14	**DCM.. 07 02..**	VRT 04 M2,5x7	-	-	T08
S12-16M - SDUCR/L - 07	VRI1587	VRI1762	12-16	15	150	8	16					
S16Q - SDUCR/L - 07	VRI1589	VRI1764	16	14.5	180	11	20					
S16Q - SDUCR/L - 11	VRI1591	VRI1766	16	14.5	180	11	20					
S20R - SDUCR/L - 11	VRI1593	VRI1768	20	18.5	200	13	25	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
S25S - SDUCR/L - 11	VRI1595	VRI1770	25	23	250	17	32		VRT 06 M3,5x9	-	-	T15
S32T - SDUCR/L - 11	VRI1597	VRI1772	32	29.5	300	22	40		VRT 06 M3,5x9	VRDC 11	VAV 06 M5.05	T15





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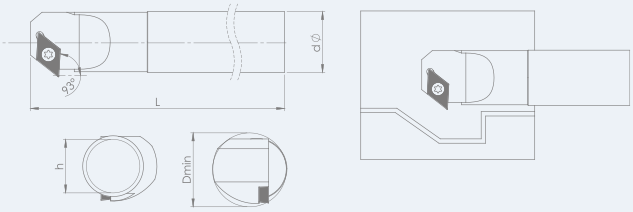
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
									BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
SDQCR/L 107,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**					
S10J - SDQCR/L - 07	VRI1599	VRI1774	10	9	120	7	13					
S12K - SDQCR/L - 07	VRI1601	VRI1776	12	11	125	9	16	**DCM.. 07 02..**	VRT 04 M2,5x7	-	-	T08
S16Q - SDQCR/L - 07	VRI1603	VRI1778	16	14.5	180	11	20					
S16Q - SDQCR/L - 11	VRI1607	VRI1782	16	14.5	180	11	20					
S20R - SDQCR/L - 11	VRI1609	VRI1784	20	18.5	200	13	25		VRT 06 M3,5x9	-	-	T15
S25S - SDQCR/L - 11	VRI1611	VRI1786	25	23	250	17	32	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
S32T - SDQCR/L - 11	VRI1613	VRI1788	32	29.5	300	22	40		VRT 06 M3,5x9	VRDC 11	VAV 06 M5.05	T15



TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SD-CR/L 62,5°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S10J - SD-CR/L - 07	VRI1615	VRI1790	10	9	120	7	13	**DCM.. 07 02..**	VRT 04 M2,5x7	-	-	T08
S12K - SD-CR/L - 07	VRI1617	VRI1792	12	11	125	9	16					
S16Q - SD-CR/L - 07	VRI1619	VRI1794	16	15	180	11	20					
S16Q - SD-CR/L - 11	VRI1621	VRI1796	16	15	180	11	20	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
S20R - SD-CR/L - 11	VRI1623	VRI1798	20	18	200	13	25					
S25S - SD-CR/L - 11	VRI1625	VRI1800	25	23	250	17	32	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
S32T - SD-CR/L - 11	VRI1627	VRI1802	32	30	300	22	40	**DCM.. 11 T3..**	VRT 06 M3,5x9	VRDC 11	VAV 06 M5.05	T15

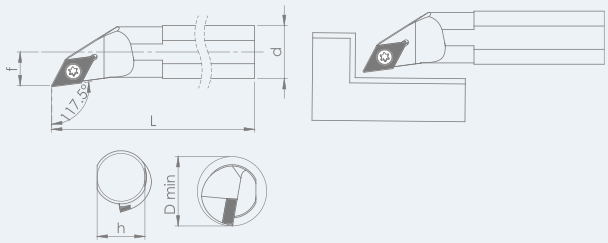


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SDZCR/L 93°	**Sol** Left	**Sağ** Right	**d**	**h**	**L**	**f**	**Dmin**		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S12K - SDZCR/L - 07	VRI1629	VRI1804	12	11	125	9	16	**DCM.. 07 02..**	VRT 04 M2,5x7	-	-	T08
S16Q - SDZCR/L - 07	VRI1631	VRI1806	16	15	180	11	20					
S16Q - SDZCR/L - 11	VRI1633	VRI1808	16	15	180	11	20	**DCM.. 11 T3..**	VRT 06 M3,5x9	-	-	T15
S20R - SDZCR/L - 11	VRI1635	VRI1810	20	18	200	13	25					
S25S - SDZCR/L - 11	VRI1637	VRI1812	25	23	250	17	32		VRT 06 M3,5x9	-	-	T15
S32T - SDZCR/L - 11	VRI1639	VRI1814	32	30	300	22	40		VRT 06 M3,5x9	VRDC 11	VAV 06 M5.05	T15

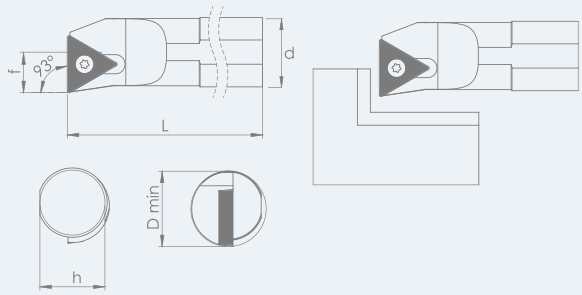




TEKNİK ÇİZİM / TECNHICAL DRAWING

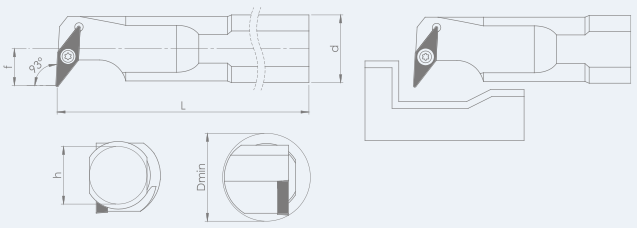
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SDXCR/L 117,5°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S12K - SDXCR/L - 07	VRI1641	VRI1816	12	11	125	9	16	**DCM..** **07 02..**	VRT 04 M2,5x7	-	-	T08
S16Q - SDXCR/L - 07	VRI1643	VRI1818	16	14	180	11	20					
S16Q - SDXCR/L - 11	VRI1645	VRI1820	16	14	180	11	20	**DCM..** **11 T3..**	VRT 06 M3,5x9	-	-	T15
S20R - SDXCR/L - 11	VRI1647	VRI1822	20	18	200	13	25					
S25S - SDXCR/L - 11	VRI1649	VRI1824	25	23	250	17	32		VRT 06 M3,5x9	-	-	T15
S32T - SDXCR/L - 11	VRI1651	VRI1826	32	30	300	22	40		VRT 06 M3,5x9	VRDC 11	VAV 06 M5.05	T15





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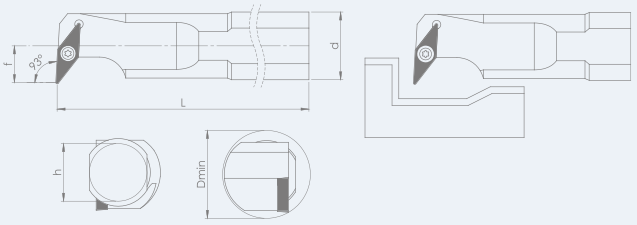
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
STUPR 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
S10J - STUPR/L - 11	VRI1653	VRI1828	10	9.5	120	7	13	**TPM..** **11 03..**	VRT 05 M3x8	T08
S12K - STUPR/L - 11	VRI1655	VRI1830	12	10.5	125	9	16			
S16Q - STUPR/L - 11	VRI1657	VRI1832	16	14.5	180	11	20			
S20R - STUPR/L - 11	VRI1659	VRI1834	20	18.5	200	13	25			



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SVUBR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S16Q - SVUBR/L - 11	VRI1661	VRI1836	16	15	180	11	20	**VBM.. 11 03..**	VRT 04 M2,5x7	-	-	T08
S20R - SVUBR/L - 11	VRI1663	VRI1838	20	18	200	13	25					
S25S - SVUBR/L - 16	VRI1665	VRI1840	25	23	250	17	32	**VBM.. 16 04..**	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
S32T - SVUBR/L - 16	VRI1667	VRI1842	32	30	300	22	40					
S40U - SVUBR/L - 16	VRI1669	VRI1844	40	37	350	27	50					

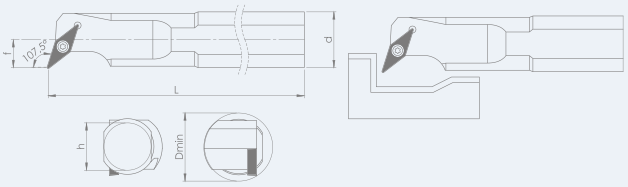


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
SVUCR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S16Q - SVUCR/L - 11	VRI1671	VRI1846	16	15	180	11	20	**VCM.. 11 03..**	VRT 04 M2,5x7	-	-	T08
S20R - SVUCR/L - 11	VRI1673	VRI1848	20	18	200	13	25					
S25S - SVUCR/L - 16	VRI1675	VRI1850	25	23	250	17	32	**VCM.. 16 04..**	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
S32T - SVUCR/L - 16	VRI1677	VRI1852	32	30	300	22	40					
S40U - SVUCR/L - 16	VRI1679	VRI1854	40	37	350	27	50					



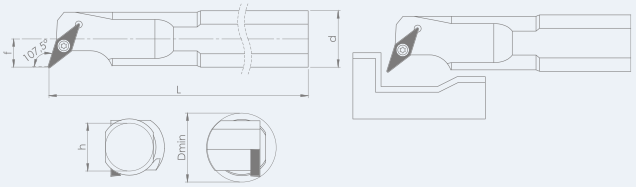


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SVQBR/L 107,5°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
	Sol Left	Sağ Right	d	h	L	f	Dmin					
S16Q - SVQBR/L - 11	VRI1681	VRI1856	16	15	180	11	20	VBM.. 11 03..	VRT 04 M2,5x7	-	-	T08
S20R - SVQBR/L - 11	VRI1683	VRI1858	20	18	200	13	25					
S25S - SVQBR/L - 16	VRI1685	VRI1860	25	23	250	17	32	VBM.. 16 04..	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
S32T - SVQBR/L - 16	VRI1687	VRI1862	32	30	300	22	40					
S40U - SVQBR/L - 16	VRI1689	VRI1864	40	37	350	27	50					

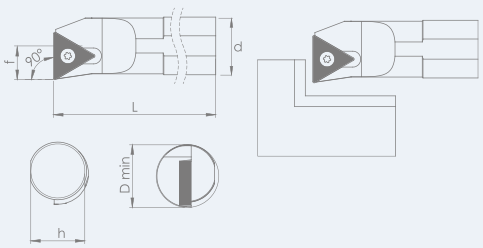




TEKNİK ÇİZİM / TECNHICAL DRAWING

SVQCR/L 107,5°

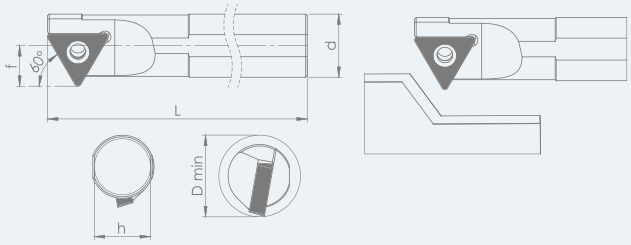
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
	Sol Left	Sağ Right	d	h	L	f	Dmin					
S16Q - SVQCR/L - 11	VRI1691	VRI1866	16	15	180	11	20	VCM.. 11 03..	VRT 04 M2,5x7	-	-	T08
S20R - SVQCR/L - 11	VRI1693	VRI1868	20	18	200	13	25					
S25S - SVQCR/L - 16	VRI1695	VRI1870	25	23	250	17	32	VCM.. 16 04..	VRT 07 M3,5x11	VRVB 16	VAV 06 M5.05	T15
S32T - SVQCR/L - 16	VRI1697	VRI1872	32	30	300	22	40					
S40U - SVQCR/L - 16	VRI1699	VRI1874	40	37	350	27	50					



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT				
STFCR/L 90°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S08H - STFCR/L - 09	VRI1701	VRI1876	08	7	115	6	11					
S10J - STFCR/L - 09	VRI1703	VRI1878	10	9	120	7	13	**TCM.. 09 02**	VRT 02 M2,2x5	-	-	T06
S12K - STFCR/L - 09	VRI1705	VRI1880	12	11	125	9	16					
S10J - STFCR/L - 11	VRI1977	VRI1978	10	9	120	7	13					
S12K - STFCR/L - 11	VRI1707	VRI1882	12	11	125	9	16	**TCM.. 11 T3..**	VRT 04 M2,5x7	-	-	T08
S16Q - STFCR/L - 11	VRI1709	VRI1884	16	15	180	11	20					
S20R - STFCR/L - 11	VRI1711	VRI1886	20	18	200	13	25					
S16Q - STFCR/L - 16	VRI1713	VRI1888	16	15	180	11	20					
S20R - STFCR/L - 16	VRI1715	VRI1890	20	18	200	13	25	**TCM.. 16T3..**	VRT 06 M3,5x9	-	-	T15
S25S - STFCR/L - 16	VRI1717	VRI1892	25	23	250	17	32					
S32T - STFCR/L - 16	VRI1719	VRI1894	32	30	300	22	40		VRT 08 M3,5x16	VRTC 16	VAV 06 M5.05	T15

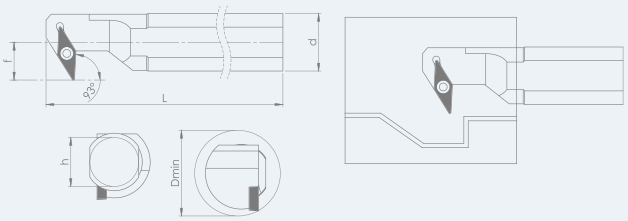


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT				
ST-CR/L 60°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S16Q - ST-CR/L - 11	VRI1721	VRI1896	16	15	180	11	20					
S20R - ST-CR/L - 11	VRI1723	VRI1898	20	18	200	13	25	**TCM.. 11 T3..**	VRT 04 M2,5x7	-	-	T08
S16Q - ST-CR/L - 16	VRI1725	VRI1900	16	15	180	11	20					
S20R - ST-CR/L - 16	VRI1727	VRI1902	20	18	200	13	25	**TCM.. 16 T3..**	VRT 03 M3,5x9	-	-	T15
S25S - ST-CR/L - 16	VRI1729	VRI1904	25	23	250	17	32					
S32T - ST-CR/L - 16	VRI1731	VRI1906	32	30	300	22	40		VRT 08 M3,5x16	VRTC 16	VAV 06 M5.05	T15

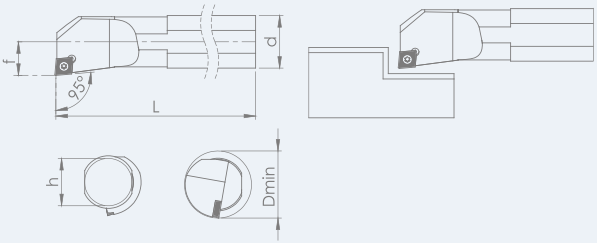




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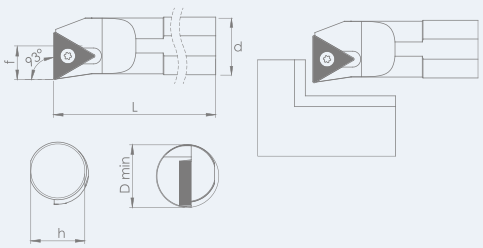
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT				YEDEK PARÇALAR SPARE PARTS
SVZBR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S25S - SVZBR/L - 16	VRI1733	VRI1908	25	23	250	17	32			-	-	
S32T - SVZBR/L - 16	VRI1735	VRI1910	32	30	300	22	40	**VBM.. 16 04..**	VRT 08 M3,5x16	VRVB 16	VAV 06 M5.05	T15
S40U - SVZBR/L - 16	VRI1737	VRI1912	40	37	350	27	50					





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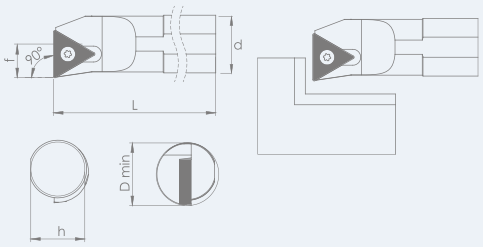
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
SCLCR/L 95°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
S06-08H - SCLCR/L - 06	VRI1739	VRI1916	06-08	7	115	4,5	8			
S08H - SCLCR/L - 06	VRI1741	VRI1918	08	7	115	6	11			
S10J - SCLCR/L - 06	VRI1743	VRI1920	10	9	120	7	13			
S12K - SCLCR/L - 06	VRI1745	VRI1922	12	11	125	9	16	**CCM.. 06 02..**	VRT 04 M2,5x7	T08
S08-16M - SCLCR/L - 06	VRI1747	VRI1924	08-16	15	150	6	11			
S10-16M - SCLCR/L - 06	VRI1749	VRI1926	10-16	15	150	7	13			
S12-16M - SCLCR/L - 06	VRI1751	VRI1928	12-16	15	150	9	16			
S12K - SCLCR/L - 09	VRI1753	VRI1930	12	11	125	9	16		VRT 04 M2,5x7	T08
S16Q - SCLCR/L - 09	VRI1755	VRI1932	16	15	180	11	21	**CCM.. 09 T3..**		
S20R - SCLCR/L - 09	VRI1757	VRI1934	20	18	200	13	25		VRT 06 M3,5x9	T15
S25S - SCLCR/L - 09	VRI1759	VRI1936	25	23	250	17	32			
S25S - SCLCR/L - 12	VRI1761	VRI1938	25	23	250	17	32	**CCM.. 12 04..**	VRT 10 M4,5x12	T15
S32T - SCLCR/L - 12	VRI1763	VRI1940	32	30	300	22	40			



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
STUCR/L 93°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
S10J - STUCR/L - 09	VRI1765	VRI1942	10	9	120	7	13	**TCM.. 09 02**	VRT 02 M2,2x5	-	-	T06
S12K - STUCR/L - 09	VRI1767	VRI1944	12	11	125	9	16					
S10J - STUCR/L - 11	VRI1979	VRI1980	10	9	120	7	13	**TCM.. 11 T3..**	VRT 04 M2,5x7	-	-	T08
S12K - STUCR/L - 11	VRI1769	VRI1946	12	11	125	9	16					
S16Q - STUCR/L - 11	VRI1771	VRI1948	16	15	180	11	20					
S20R - STUCR/L - 11	VRI1773	VRI1950	20	18	200	13	25					
S16Q - STUCR/L - 16	VRI1775	VRI1952	16	15	180	11	20	**TCM.. 16 T3..**	VRT 06 M3,5x9	-	-	T15
S20R - STUCR/L - 16	VRI1777	VRI1954	20	18	200	13	25					
S25S - STUCR/L - 16	VRI1779	VRI1956	25	23	250	17	32					
S32T - STUCR/L - 16	VRI1781	VRI1958	32	30	300	22	40		VRT 08 M3,5x16	VRTC 16	VAV 06 M5.05	T15

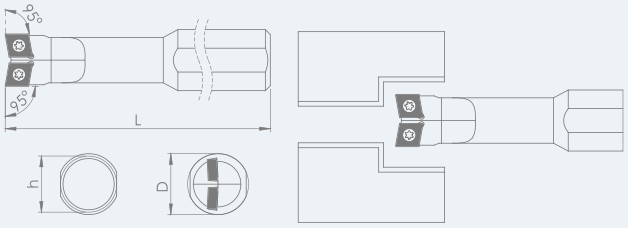


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
STFPR/L 90°	Sol Left	Sağ Right	d	h	L	f	Dmin		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
S10J - STFPR/L - 11	VRI1783	VRI1960	10	09	120	7	13	**TPM.. 11 03..**	VRT 05 M3x8	T08
S12K - STFPR/L - 11	VRI1785	VRI1962	12	11	125	9	16			
S16Q - STFPR/L - 11	VRI1787	VRI1964	16	15	180	11	20			
S20R - STFPR/L - 11	VRI1789	VRI1966	20	18	200	13	25			





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
SCR-SCL 95°		d	h	L	f	Dmin		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
S25S - SCR-SCL - 09	VRI1968	25	23	250	22	X	**CCM.. 09 T3..**	VRT 07 M3,5x11	T15
S32T - SCR-SCL - 09	VRI1970	32	30	300	27	X			



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SCREW PLUGS









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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
SER/L 90°	Sol Left	Sağ Right	h	b	L	f		SIKMA VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SER/L - 0808 - F11	VRE1791	VRE1972	08	08	80	11							
SER/L - 1010 - F11	VRE1793	VRE1974	10	10	80	11							
SER/L - 1212 - F11	VRE1795	VRE1976	12	12	80	11	**ER/L.11**	VRT 04 M2,5x7	-	-	-	-	T08
SER/L - 1616 - H11	VRE1797	VRE1978	16	16	100	16		VRT 07 M3,5x11	-	-	-	-	T08
SER/L - 1212 - H16	VRE1799	VRE1980	12	12	100	14,5		VRT 09 M4x11	-	-	VCP 03	VRT 06 M3,5x9	T15
SER/L - 1616 - H16	VRE1801	VRE1982	16	16	100	16							
SER/L - 2020 - K16	VRE1803	VRE1984	20	20	125	20	**ER/L.16**	VRT 07 M3,5x11	VRIR 16	VAV 06 M5.05	VCP 03	VRT 09 M4x11	T15
SER/L - 2525 - M16	VRE1805	VRE1986	25	25	150	25							
SER/L - 3232 - P16	VRE1807	VRE1988	32	32	170	32							
SER/L - 2525 - M22	VRE1809	VRE1990	25	25	150	25	**ER/L.22**	VRT 09 M4x11	VRIR 22	VAV 07 M6	VCP 03	VRT 09 M4x11	T20
SER/L - 3232 - P22	VRE1811	VRE1992	32	32	170	32							





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
TER/L 90°	Sol Left	Sağ Right	h	b	L	f		SIKMA VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	ANAHTAR ALLEN KEY
TER/L - 2020 - K16	VRE2027	VRE2028	20	20	125	20	**ER/L.16**	VRT 004 S16	VRTR 16	VAV 006-V16	T10
TER/L - 2525 - M16	VRE2029	VRE2030	25	25	150	25					



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS					
STIR/L 90°	Sol Left	Sağ Right	d	h	L	f	Dmin		SIKMA VİDASI SCREW	ALTLIK SHIM	ALTLIK VİDASI SHIM SCREW	BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
STIR/L - S10J - 11	VRE1817	VRE1998	10	9	120	7,4	12							
STIR/L - S12K - 11	VRE1819	VRE2000	12	11	125	8,4	12	**IR/L.11**	VRT 04 M2,5x7	-	-	-	-	T08
STIR/L - S16Q - 11	VRE1821	VRE2002	16	15	180	7,4	16							
STIR/L - S13-16M - 16	VRE1823	VRE2004	16	14,5	150	9,5	15							
STIR/L - S16Q - 16	VRE1825	VRE2006	16	15	180	7,4	12		VRT 06 M3,5x9	-	-	-	-	T15
STIR/L - S20R - 16	VRE1827	VRE2008	20	18	200	13,7	22							
STIR/L - S25S - 16	VRE1829	VRE2010	25	23	250	16,2	28	**IR/L.16**						
STIR/L - S32T - 16	VRE1831	VRE2012	32	30	300	19,7	36		VRT 07 M3,5x11	VRIR 16	VAV 06 M5.05	VCP 03	VRT 09 M4x11	T15
STIR/L - S40T - 16	VRE1833	VRE2014	40	37	300	23,7	44							
STIR/L - S50U - 16	VRE2025	VRE2026	50	47	350	30,6	58							
STIR/L - S20R - 22	VRE1835	VRE2016	20	18	200	14	26		VRT 07 M4,5x11	-	-	VCP 03	VRT 10 M4,5x12	T20
STIR/L - S25S - 22	VRE1837	VRE2018	25	23	250	18,1	28							
STIR/L - S32T - 22	VRE1839	VRE2020	32	30	300	21,6	38	**IR/L.22**	VRT 07 M4,5x11	VRIR 22	VAV 07 M6	VCP 03	VRT 10 M4,5x12	T20
STIR/L - S40T - 22	VRE1841	VRE2022	40	37	300	25,6	16							
STIR/L - S50U - 22	VRE1843	VRE2024	50	47	350	30,6	58							

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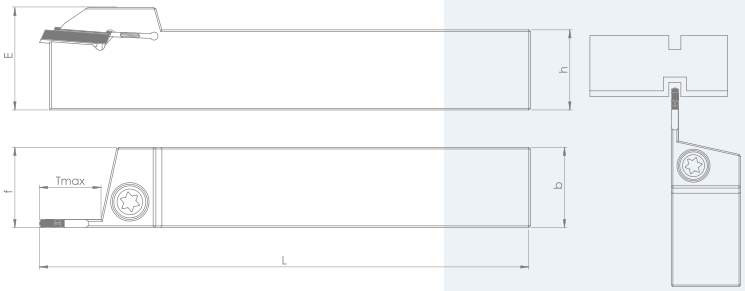
EXTERNAL GROOVING TOOLHOLDERS


VORGEN®
BKTR R390 2525 2C
(R390 HRN 1.9.2.9)
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BKTR JK 2525



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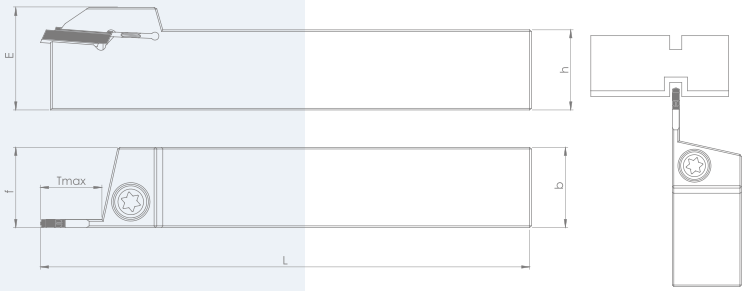


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L KH	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-KH-1212-2C	VRB1845	VRB2026	12	12	100	12,3	24	1,8	15		VRV 02 M6	AA3
BKTR/L-KH-1616-2C	VRB1847	VRB2028	16	16	125	16	29	1,8	15	**S224.2**	VRV 06 M8	AA4
BKTR/L-KH-2020-2C	VRB1849	VRB2030	20	20	125	20	29	1,8	15			
BKTR/L-KH-2525-2C	VRB1851	VRB2032	25	25	150	25	34	1,8	15			
BKTR/L-KH-2020-3C	VRB1853	VRB2034	20	20	125	20	29	2,5	20	**S224.3**	VRV 06 M8	AA4
BKTR/L-KH-2525-3C	VRB1855	VRB2036	25	25	150	25	34	3	20			
BKTR/L-KH-2020-4C	VRB1857	VRB2038	20	20	125	20	29	3	22	**S224.4**	VRV 06 M8	AA4
BKTR/L-KH-2525-4C	VRB1859	VRB2040	25	25	150	25	34	4	22			
BKTR/L-KH-2020-5C	VRB1861	VRB2042	20	20	125	20	29	4,2	22	**S224.5**	VRV 06 M8	AA4
BKTR/L-KH-2525-5C	VRB1863	VRB2044	25	25	150	25	34	2,5	25			



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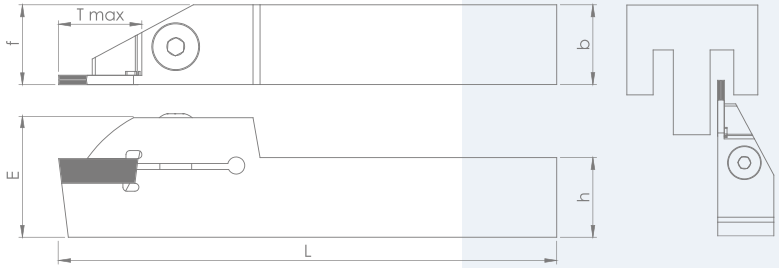


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L BH	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-BH-2020-3C	VRB1865	VRB2046	20	20	125	20	30	2,5	20			
BKTR/L-BH-2525-3C	VRB1867	VRB2048	32	32	150	32	34	2,5	20	**S229.3**	VRV 06 M8	AA4
BKTR/L-BH-3232-3C	VRB1869	VRB2050	32	32	170	32	42	2,5	20			
BKTR/L-BH-2020-4C	VRB1871	VRB2052	20	20	125	20	30	2,5	22			
BKTR/L-BH-2525-4C	VRB1873	VRB2054	25	25	150	25	34	3,5	22	**S229.4**	VRV 06 M8	AA4
BKTR/L-BH-3232-4C	VRB1875	VRB2056	32	32	170	32	42	3,5	22			
BKTR/L-BH-2525-5C	VRB1877	VRB2058	25	25	150	25	34	4,5	25	**S229.5**	VRV 06 M8	AA4
BKTR/L-BH-3232-5C	VRB1879	VRB2060	32	32	170	32	42	4,5	25			



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L IS	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTR/L-IS-1212-2C	VRB1881	VRB2062	12	12	100	12	24	1,8	15		VRV 02 M6	AA3
BKTR/L-IS-1616-2C	VRB1883	VRB2064	16	16	125	16	30	1,8	15			
BKTR/L-IS-2020-2C	VRB1885	VRB2066	20	20	125	20	30	1,8	17	**DGN.2**	VRV 06 M8	AA4
BKTR/L-IS-2525-2C	VRB1887	VRB2068	25	25	150	25	34	1,8	17			
BKTR/L-IS-3232-2C	VRB1889	VRB2070	32	32	170	32	42	1,8	15			
BKTR/L-IS-1212-3C	VRB1891	VRB2072	12	12	100	12	24	2,5	17		VRV 02 M6	AA3
BKTR/L-IS-1616-3C	VRB1893	VRB2074	16	16	125	16	30	2,5	15			
BKTR/L-IS-2020-3C	VRB1895	VRB2076	20	20	125	20	30	2,5	20	**DGN.3**	VRV 06 M8	AA4
BKTR/L-IS-2525-3C	VRB1897	VRB2078	25	25	150	25	34	2,5	22			
BKTR/L-IS-3232-3C	VRB1899	VRB2080	32	32	170	32	42	2,5	22			
BKTR/L-IS-2020-4C	VRB1901	VRB2082	20	20	125	20	30	3	20			
BKTR/L-IS-2525-4C	VRB1903	VRB2084	25	25	150	25	34	3	22	**DGN.4**	VRV 06 M8	AA4
BKTR/L-IS-3232-4C	VRB1905	VRB2086	32	32	170	32	42	3	22			
BKTR/L-IS-2525-5C	VRB1907	VRB2088	25	25	150	25	34	4,2	25	**DGN.5**	VRV 06 M8	AA4
BKTR/L-IS-2525-3C (T.MAX-30)	VRB2457	VRB2458	25	25	150	25	34	2,5	30	**DGN.3**	VRV 06 M8	AA4
BKTR/L-IS-2525-4C (T.MAX-30)	VRB2459	VRB2460	25	25	150	25	34	3	30	**DGN.4**	VRV 06 M8	AA4





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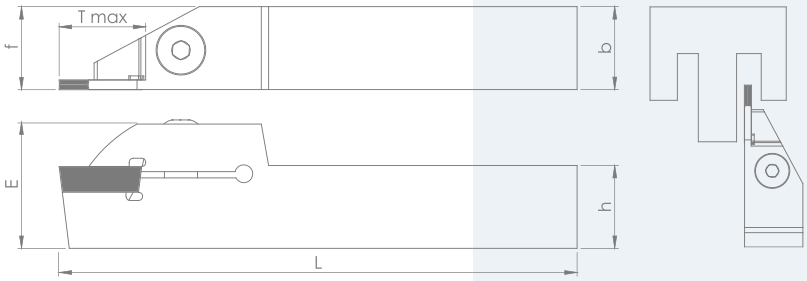
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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L JK	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-JK-1212-1.5C	VRB2461	VRB2462	12	12	100	12	24	1,4	15		VRV 02 M6	AA3
BKTR/L-JK-1616-1.5C	VRB2463	VRB2464	16	16	125	16	30	1,4	15	**MGM.1.5**		
BKTR/L-JK-2020-1.5 C	VRB2465	VRB2466	20	20	125	20	30	1,4	15		VRV 06 M8	AA4
BKTR/L-JK-2525-1.5C	VRB2467	VRB2468	25	25	150	25	34	1,4	15			
BKTR/L-JK-1212-2C	VRB1909	VRB2090	12	12	100	12	24	1,8	15		VRV 02 M6	AA3
BKTR/L-JK-1616-2C	VRB1911	VRB2092	16	16	125	16	30	1,8	15			
BKTR/L-JK-2020-2C	VRB1913	VRB2094	20	20	125	20	30	1,8	15	**MGM.2**		
BKTR/L-JK-2525-2C	VRB1915	VRB2096	25	25	150	25	34	1,8	15		VRV 06 M8	AA4
BKTR/L-JK-3232-2C	VRB1917	VRB2098	32	32	170	32	42	1,8	15			
BKTR/L-JK-1212-3C	VRB1919	VRB2100	12	12	100	12	24	18	15		VRV 02 M6	AA3
BKTR/L-JK-1616-3C	VRB1921	VRB2102	16	16	125	16	30	2,5	15			
BKTR/L-JK-2020-3C	VRB1923	VRB2104	20	20	125	20	30	2,5	20	**MGM.3**		
BKTR/L-JK-2525-3C	VRB1925	VRB2106	25	25	150	25	34	2,5	22		VRV 06 M8	AA4
BKTR/L-JK-3232-3C	VRB1927	VRB2108	32	32	170	32	42	2,5	22			
BKTR/L-JK-2020-4C	VRB1929	VRB2110	20	20	125	20	30	3	22			
BKTR/L-JK-2525-4C	VRB1931	VRB2112	25	25	150	25	34	3	22	**MGM.4**	VRV 06 M8	AA4
BKTR/L-JK-3232-4C	VRB1933	VRB2114	32	32	170	32	42	3	22			
BKTR/L-JK-2020-5C	VRB1935	VRB2116	20	20	125	20	30	4,2	22			
BKTR/L-JK-2525-5C	VRB1937	VRB2118	25	25	150	25	34	4,2	25	**MGM.5**	VRV 06 M8	AA4
BKTR/L-JK-3232-5C	VRB1939	VRB2120	32	32	170	32	42	4,2	25			
BKTR/L-JK-2525-6C	VRB1941	VRB2122	25	25	150	25	34	5	25	**MGM.6**	VRV 06 M8	AA4
BKTR/L-JK-3232-6C	VRB1943	VRB2124	32	32	170	32	42	5	25			
BKTR/L-JK-2525-8C	VRB1945	VRB2126	25	25	150	25	34	7	25	**MGM.8**	VRV 06 M8	AA4
BKTR/L-JK-3232-8C	VRB1947	VRB2128	32	32	170	32	42	7	28			
BKTR/L-JK-2525-3C	VRB2469	VRB2470	25	25	150	25	34	2,5	30	**MGM.3**	VRV 06 M8	AA4
BKTR/L-JK-2525-4C	VRB2471	VRB2472	25	25	150	25	34	3	30	**MGM.4**	VRV 06 M8	AA4



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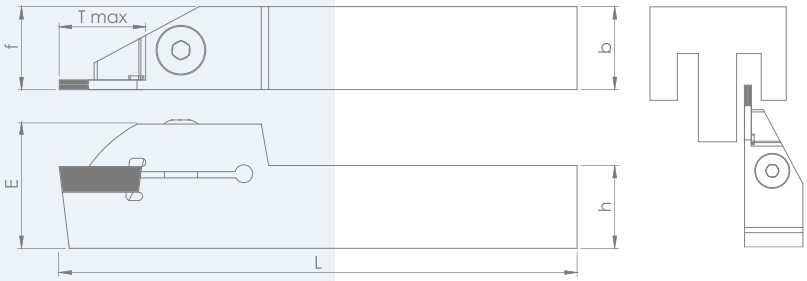


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L TDC	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-TDC-1616-2C	VRB1949	VRB2130	16	16	125	16	30	1,8	15			
BKTR/L-TDC-2020-2C	VRB1951	VRB2132	20	20	125	20	30	1,8	15	**TDC.2**	VRV 06 M8	AA4
BKTR/L-TDC-2525-2C	VRB1953	VRB2134	25	25	150	25	34	2,5	17			
BKTR/L-TDC-1616-3C	VRB1955	VRB2136	16	16	125	16	30	2,5	15			
BKTR/L-TDC-2020-3C	VRB1957	VRB2138	20	20	125	20	30	2,5	20	**TDC.3**	VRV 06 M8	AA4
BKTR/L-TDC-2525-3C	VRB1959	VRB2140	25	25	150	25	34	2,5	22			
BKTR/L-TDC-2020-4C	VRB1961	VRB2142	20	20	125	20	30	3	20	**TDC.4**	VRV 06 M8	AA4
BKTR/L-TDC-2525-4C	VRB1963	VRB2144	25	25	150	25	34	3	22			



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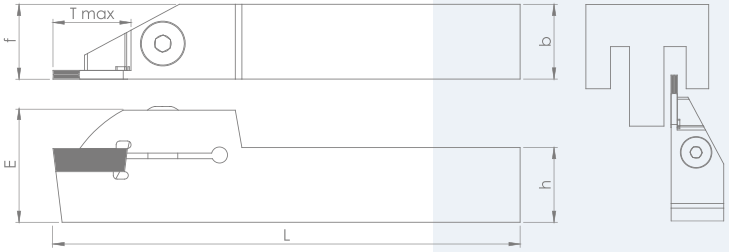


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L ZCC2	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-ZCC2-2020-2C	VRB1965	VRB2156	20	20	125	20	30	1,6	15	**ZT.D2**	VRV 06 M8	AA4
BKTR/L-ZCC2-2525-2C	VRB1967	VRB2158	25	25	150	25	34	16	15			
BKTR/L-ZCC2-2020-3C	VRB1969	VRB2160	20	20	125	20	30	2,5	20	**ZT.D3**	VRV 06 M8	AA4
BKTR/L-ZCC2-2525-3C	VRB1971	VRB2162	25	25	150	25	34	2,5	22			
BKTR/L-ZCC2-2020-4C	VRB1973	VRB2164	20	20	125	20	30	3	20	**ZT.D4**	VRV 06 M8	AA4
BKTR/L-ZCC2-2525-4C	VRB1975	VRB2166	25	25	150	25	34	3	22			
BKTR/L-ZCC2-2020-5C	VRB1977	VRB2168	20	20	125	20	30	4	20	**ZT.D5**	VRV 06 M8	AA4
BKTR/L-ZCC2-2525-5C	VRB1979	VRB2170	25	25	150	25	34	4	25			
BKTR/L-ZCC2-2525-6C	VRB1981	VRB2172	25	25	150	25	34	5,5	25	**ZT.D6**	VRV 06 M8	AA4



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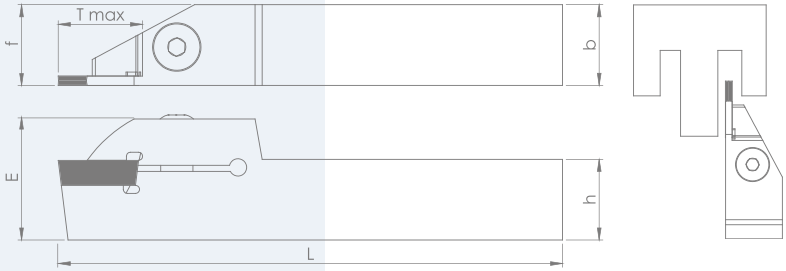


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L S123	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		**BASKI VIDASI** SPRING 	**ANAHTAR** ALLEN KEY 
BKTR/L-S123-1212-1.5C	VRB2473	VRB2474	12	12	100	12	24	1,4	15		VRV 02 M6	AA3
BKTR/L-S123-1616-1.5C	VRB2475	VRB2476	16	16	125	16	30	1,4	15	**S123.1.5**		
BKTR/L-S123-2020-1.5 C	VRB2477	VRB2478	20	20	125	20	30	1,4	15		VRV 06 M8	AA4
BKTR/L-S123-2525-1.5C	VRB2479	VRB2480	25	25	150	25	34	1,4	15			
BKTR/L-S123-1212-2C	VRB2057	VRB2252	12	12	100	12	24	1,8	15		VRV 02 M6	AA3
BKTR/L-S123-1616-2C	VRB2059	VRB2254	16	16	125	16	30	1,8	15			
BKTR/L-S123-2020-2C	VRB2061	VRB2256	20	20	125	20	30	1,8	15	**S123.2**	VRV 06 M8	AA4
BKTR/L-S123-2525-2C	VRB2063	VRB2258	25	25	150	25	34	1,8	15			
BKTR/L-S123-3232-2C	VRB2065	VRB2260	32	32	170	32	42	1,8	15			
BKTR/L-S123-1212-3C	VRB2067	VRB2262	12	12	100	12	24	2,5	15		VRV 02 M6	AA3
BKTR/L-S123-1616-3C	VRB2069	VRB2264	16	16	125	16	30	2,5	15			
BKTR/L-S123-2020-3C	VRB2071	VRB2266	20	20	125	20	30	2,5	20	**S123.3**	VAV 06 M8	AA4
BKTR/L-S123-2525-3C	VRB2073	VRB2268	25	25	150	25	34	2,5	20			
BKTR/L-S123-3232-3C	VRB2075	VRB2270	32	32	170	32	42	2,5	20			
BKTR/L-S123-2020-4C	VRB2077	VRB2272	20	20	125	20	30	3	22			
BKTR/L-S123-2525-4C	VRB2079	VRB2274	25	25	150	25	34	3	22	**S123.4**	VRV 06 M8	AA4
BKTR/L-S123-3232-4C	VRB2081	VRB2276	32	32	170	32	42	3	22			
BKTR/L-S123-2525-5C	VRB2083	VRB2278	25	25	150	25	34	4,2	25	**S123.5**	VRV 06 M8	AA4
BKTR/L-S123-2525-6C	VRB2085	VRB2280	25	25	150	25	34	5	25	**S123.6**	VRV 06 M8	AA4
BKTR/L-S123-2525-8C	VRB2487	VRB2488	25	25	150	25	34	5	28	**S123.8**	VRV 06 M8	AA4



TUNGALOY UCUNA UYGUNDUR

TEKNİK ÇİZİM / TECNHICAL DRAWING

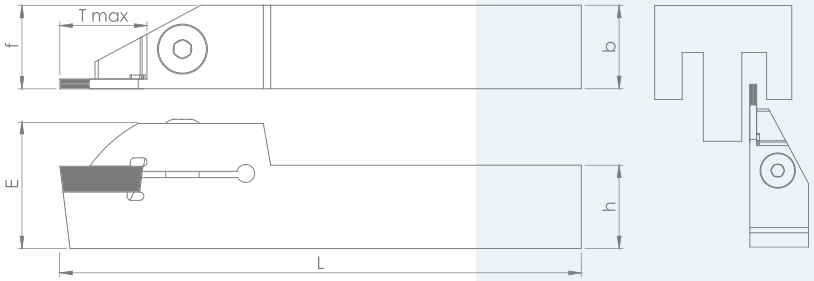


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L DGM	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-DGM-1616-2C	VRB1983	VRB2174	16	16	125	16	30	1,8	15			
BKTR/L-DGM-2020-2C	VRB1985	VRB2176	20	20	125	20	30	1,8	15	**DGM. 2**	VRV 06 M8	AA4
BKTR/L-DGM-2525-2C	VRB1987	VRB2178	25	25	150	25	34	2,5	17			
BKTR/L-DGM-1616-3C	VRB1989	VRB2180	16	16	125	16	30	2,5	15			
BKTR/L-DGM-2020-3C	VRB1991	VRB2182	20	20	125	20	30	2,5	20	**DGM. 3**	VRV 06 M8	AA4
BKTR/L-DGM-2525-3C	VRB1993	VRB2184	25	25	150	25	34	2,5	22			
BKTR/L-DGM-2020-4C	VRB1995	VRB2186	20	20	125	20	30	3	20	**DGM. 4**	VRV 06 M8	AA4
BKTR/L-DGM-2525-4C	VRB1997	VRB2188	25	25	150	25	34	3	22			



WALTER UCUNA UYGUNDUR

TEKNİK ÇİZİM / TECNHICAL DRAWING

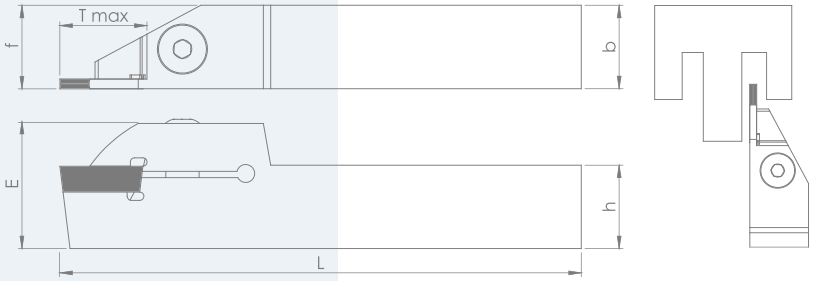


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L GX24	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-GX24-1616-2C	VRB1999	VRB2190	16	16	125	16	30	1,8	15			
BKTR/L-GX24-2020-2C	VRB2001	VRB2192	20	20	125	20	30	1,8	15	**GX24.2**	VRV 06 M8	AA4
BKTR/L-GX24-2525-2C	VRB2003	VRB2194	25	25	150	25	34	2,5	17			
BKTR/L-GX24-1616-3C	VRB2005	VRB2196	16	16	125	16	30	2,5	15			
BKTR/L-GX24-2020-3C	VRB2007	VRB2198	20	20	125	20	30	2,5	20	**GX24.3**	VRV 06 M8	AA4
BKTR/L-GX24-2525-3C	VRB2009	VRB2200	25	25	150	25	34	2,5	22			
BKTR/L-GX24-2020-4C	VRB2011	VRB2202	20	20	125	20	30	3	20	**GX24.4**	VRV 06 M8	AA4
BKTR/L-GX24-2525-4C	VRB2013	VRB2204	25	25	150	25	34	3	22			



KYOCERA UCUNA UYGUNDUR

TEKNİK ÇİZİM / TECNHICAL DRAWING

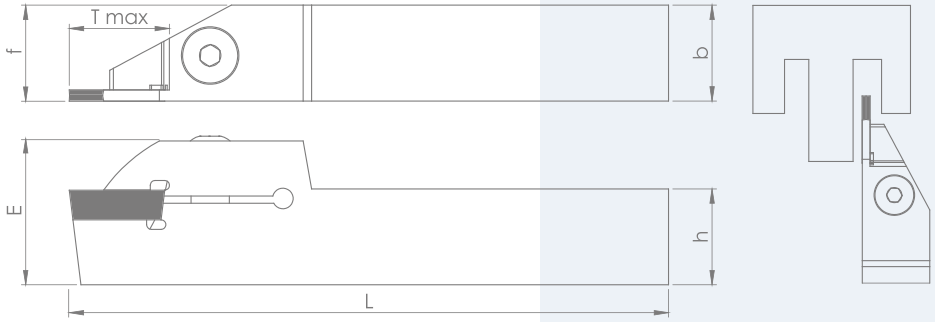


TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L GDM	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VİDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-GDM-1616-2C	VRB2015	VRB2206	16	16	125	16	30	1,8	15			
BKTR/L-GDM-2020-2C	VRB2017	VRB2208	20	20	125	20	30	1,8	15	**GDM.2**	VRV 06 M8	AA4
BKTR/L-GDM-2525-2C	VRB2019	VRB2210	25	25	150	25	34	2,5	17			
BKTR/L-GDM-1616-3C	VRB2021	VRB2212	16	16	125	16	30	2,5	15			
BKTR/L-GDM-2020-3C	VRB2023	VRB2214	20	20	125	20	30	2,5	20	**GDM.3**	VRV 06 M8	AA4
BKTR/L-GDM-2525-3C	VRB2025	VRB2216	25	25	150	25	34	2,5	22			
BKTR/L-GDM-2020-4C	VRB2027	VRB2218	20	20	125	20	30	3	20	**GDM.4**	VRV 06 M8	AA4
BKTR/L-GDM-2525-4C	VRB2029	VRB2220	25	25	150	25	34	3	22			

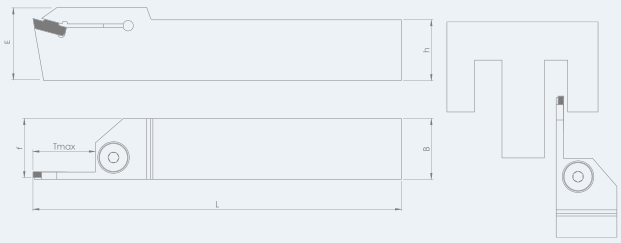


KORLOY UCUNA UYGUNDUR

TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR/L KGM	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTR/L-KGM-1616-2C	VRB2031	VRB2222	16	16	125	16	30	1,8	15			
BKTR/L-KGM-2020-2C	VRB2033	VRB2224	20	20	125	20	30	1,8	15	**KGMN.2**	VRV 06 M8	AA4
BKTR/L-KGM-2525-2C	VRB2035	VRB2226	25	25	150	25	34	2,5	17			
BKTR/L-KGM-1616-3C	VRB2037	VRB2228	16	16	125	16	30	2,5	15			
BKTR/L-KGM-2020-3C	VRB2039	VRB2230	20	20	125	20	30	2,5	20	**KGMN.3**	VRV 06 M8	AA4
BKTR/L-KGM-2525-3C	VRB2041	VRB2232	25	25	150	25	34	2,5	22			
BKTR/L-KGM-2020-4C	VRB2043	VRB2234	20	20	125	20	30	3	20			
BKTR/L-KGM-2525-4C	VRB2045	VRB2236	25	25	150	25	34	3	22	**KGMN.4**	VRV 06 M8	AA4

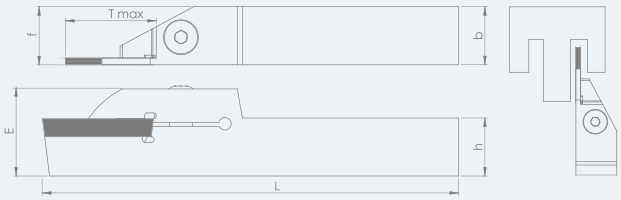


SECO UCUNA UYGUNDUR

TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTR LCM		h	b	L	f	E	A	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTR-LCM-2020-3C	VRB2238	20	20	125	20	28	2,5	20	**LCMF3**	VRV 06 M8	AA4
BKTR-LCM-2525-3C	VRB2240	25	25	150	25	33	2,5	20			

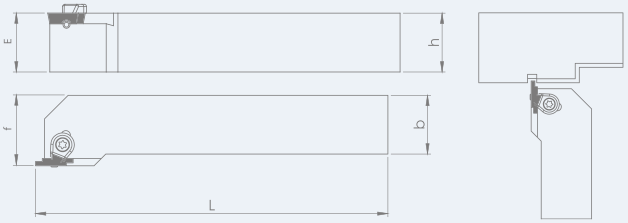


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
DMTR		h	b	L	f	E	A	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTR-DMTR-2525-2C	VRB2484	25	25	150	25	34	1,75	35			
BKTR-DMTR-2525-3C	VRB2485	25	25	150	25	34	2,5	35	**DMTR**	VRV 06 M8	AA4
BKTR-DMTR-2525-4C	VRB2486	25	25	150	25	34	3	35			





TEKNİK ÇİZİM / TECNHICAL DRAWING

SANDWIK UCUNA UYGUNDUR

BKTR/L 154.91

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax		BASKI PARÇASI WEDGE CLAMP	BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTR/L-154.91-2020-3Q	VRB2047	VRB2242	20	20	125	20	25	2,5	4	**154.91-3**	VCP 03	VRT 09 M4x11	T15
BKTR/L-154.91-2525-3Q	VRB2049	VRB2244	25	25	150	25	25	2,5	4				





TEKNİK ÇİZİM / TECNHICAL DRAWING

BKTR R390

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
		h	b	L	f	E	A	Tmax		BASKI PARÇASI WEDGE CLAMP	BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTR/L-R390-2525-2C (1.9 2.9)	VRB2481	25	25	150	25	25	1,8	6				
BKTR/L-R390-2525-3C (2.9 3.9)	VRB2482	25	25	150	25	25	3	6	**R390 HRN**	VKP 01	VRV 09 M6	AA4
BKTR/L-R390-2525-4C (3.9 4.9)	VRB2483	25	25	150	25	25	4	6				



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
PASO		f	h	b	L	L1		BASKI PARÇASI WEDGE CLAMP	BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
PASO - 6x8	VRB2282	32	25	16	150	50	6x6-8x8			
PASO - 8x10	VRB2284	34	25	16	150	50	8x8-10x10			
PASO - 10x12	VRB2286	36	25	16	150	50	10x10-12x12	**BPV M8**	VRV8 M8x25	AA6
PASO - 12x14	VRB2288	38	25	16	150	50	12x12-14x14			



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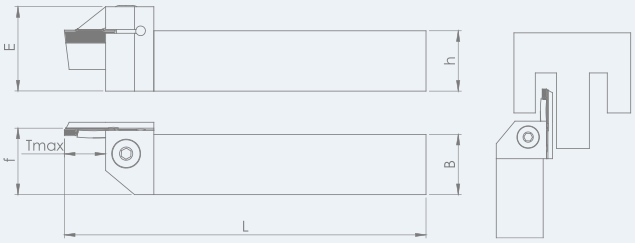
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
KESME		f	h	b	L	L1		BASKI PARÇASI WEDGE CLAMP	BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
KESME - 1/2	VRB2290	24	25	16	130	50	12,7x3-4			
KESME - 5/8	VRB2292	24	25	16	130	50	15,8x3-4			
KESME - 3/4	VRB2294	30	25	16	150	50	19x3-4,5	**BBV M8**	VRV8 M8x25	AA6
KESME - 7/8	VRB2296	35	25	16	150	50	22x4-5			
KESME - 1	VRB2298	35	25	16	150	50	25x4-5			

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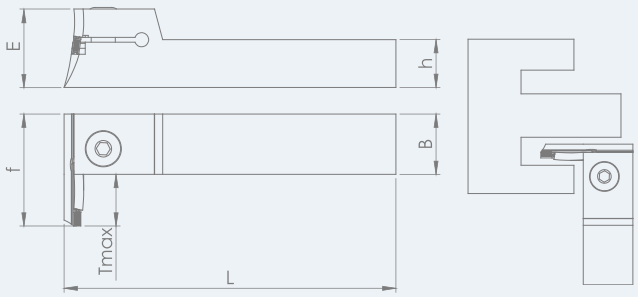
TEKNİK ÇİZİM / TECNHICAL DRAWING

KORLOY UCUNA UYGUNDUR

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)										KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKATR/L JK	**Sol** Left	**Sağ** Right	**h**	**b**	**L**	**f**	**E**	**A**	**Tmax**	**Dmin**	**Dmax**		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
BKATR/L-JK-2525-(34-45)-2C	VRB2087	VRB2300	25	25	150	26,5	34	1,8	15	34	45	**MGM.2**	VRV 06 M8	AA4
BKATR/L-JK-2525-(39-55)-2C	VRB2089	VRB2302	25	25	150	26,5	34	1,8	15	39	55			
BKATR/L-JK-2525-(34-45)-3C	VRB2091	VRB2304	25	25	150	26,5	34	2,2	18	34	45			
BKATR/L-JK-2525-(39-55)-3C	VRB2093	VRB2306	25	25	150	26,5	34	2,2	18	39	55			
BKATR/L-JK-2525-(49-80)-3C	VRB2095	VRB2308	25	25	150	26,5	34	2,2	18	49	80	**MGM.3**	VRV 06 M8	AA4
BKATR/L-JK-2525-(70-110)-3C	VRB2097	VRB2310	25	25	150	26,5	34	2,2	18	70	110			
BKATR/L-JK-2525-(100-150)-3C	VRB2099	VRB2312	25	25	150	26,5	34	2,2	18	100	150			





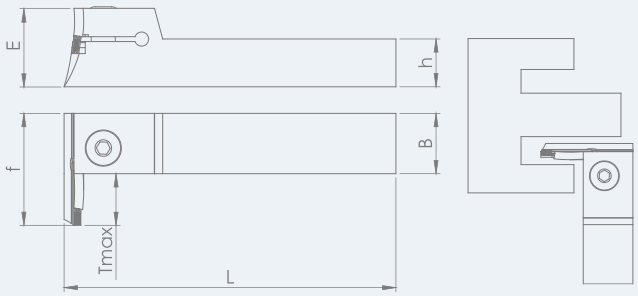


TEKNİK ÇİZİM / TECNHICAL DRAWING

BKLTR/L JK

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)									KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax	Dmin	Dmax		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
BKLTR/L-JK-2525-(25-35)-3C	VRB2101	VRB2314	25	25	150	37	34	2,2	12	25	35			
BKLTR/L-JK-2525-(35-55)-3C	VRB2103	VRB2316	25	25	150	37	34	2,2	12	35	55	**MGM.3**	VRV 06 M8	AA4
BKLTR/L-JK-2525-(50-75)-3C	VRB2105	VRB2318	25	25	150	37	34	2,2	12	50	75			
BKLTR/L-JK-2525-(70-105)-4C	VRB2107	VRB2320	25	25	150	37	34	3,2	14	70	105	**MGM.4**	VRV 06 M8	AA4
BKLTR/L-JK-2525-(100-205)-4C	VRB2109	VRB2322	25	25	150	37	34	3,2	14	100	205			



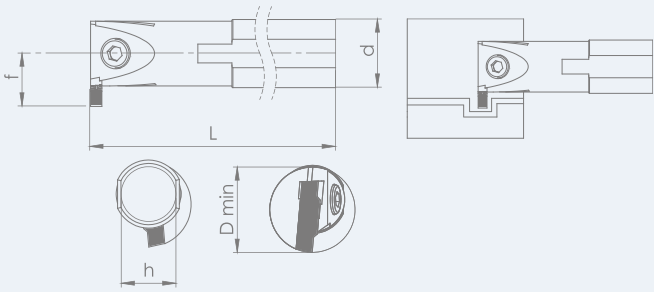


TEKNİK ÇİZİM / TECNHICAL DRAWING

WALTER UCUNA UYGUNDUR

BKLTR/L GX24

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)									KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
	Sol Left	Sağ Right	h	b	L	f	E	A	Tmax	Dmin	Dmax		BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
BKLTR/L-GX24-2525-(25-35)-3C	VRB2111	VRB2324	25	25	150	37	34	2,2	12	25	35			
BKLTR/L-GX24-2525-(35-55)-3C	VRB2113	VRB2326	25	25	150	37	34	2,2	12	35	55	**GX24.3**	VRV 06 M8	AA4
BKLTR/L-GX24-2525-(50-75)-3C	VRB2115	VRB2328	25	25	150	37	34	2,2	12	50	75			
BKLTR/L-GX24-2525-(70-105)-4C	VRB2117	VRB2330	25	25	150	37	34	3,2	14	70	105	**GX24.4**	VRV 06 M8	AA4
BKLTR/L-GX24-2525-(100-205)-4C	VRB2119	VRB2332	25	25	150	37	34	3,2	14	100	205			

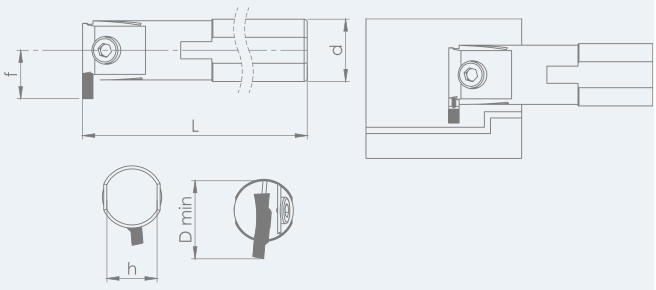




TEKNİK ÇİZİM / TECNHICAL DRAWING

HORN UCUNA UYGUNDUR

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
BKTIR/L KH	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY	
BKTIR/L-KH-S16Q-2C	VRB2121	VRB2334	180	16	11	14					
BKTIR/L-KH-S20R-2C	VRB2123	VRB2336	200	20	13	18	4	**S224.2**	VRV 07 M5	T20	
BKTIR/L-KH-S25R-2C	VRB2125	VRB2338	200	25	17	23					
BKTIR/L-KH-S20R-3C	VRB2127	VRB2340	200	20	13	18	6	**S224.3**	VRV 08 M5	AA4	
BKTIR/L-KH-S25R-3C	VRB2129	VRB2342	200	25	17	23					
BKTIR/L-KH-S20R-4C	VRB2131	VRB2344	200	20	13	18	6	**S224.4**	VRV 08 M5	AA4	
BKTIR/L-KH-S25R-4C	VRB2133	VRB2346	200	25	17	23					
BKTIR/L-KH-S25R-5C	VRB2135	VRB2348	200	25	17	23	6	**S224.5**	VRV 08 M5	AA4	



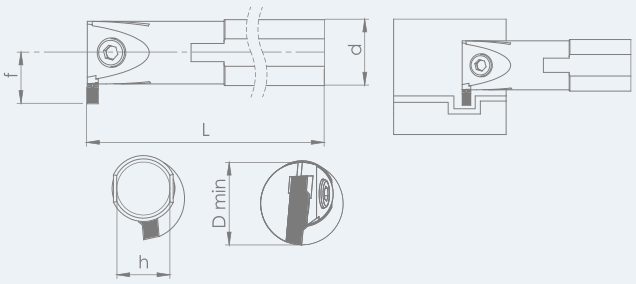


TEKNİK ÇİZİM / TECNHICAL DRAWING

ISCAR UCUNA UYGUNDUR

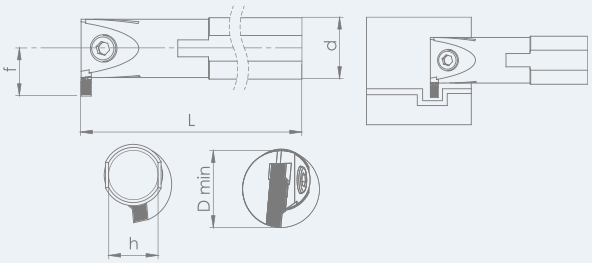
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
BKTIR/L TGM3	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY	
BKTIR/L-TGM3-S16Q -3C	VRB2241	VRB2454	180	16	12	14,5	6	**TGM.3**	VRV 07 M5	T20	
BKTIR/L-TGM3-S20R -3C	VRB2243	VRB2456	200	20	14,2	18,5					





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTI-R/L JK	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BKTI-R/L-JK-16Q-1.5C			180	16	11	14				
BKTI-R/L-JK-S16Q-2C	VRB2137	VRB2350	180	16	11	14	4	**MGM.2**	VRV 07 M5	T20
BKTI-R/L-JK-S20R-2C	VRB2139	VRB2352	200	20	13	18				
BKTI-R/L-JK-S25R-2C	VRB2141	VRB2354	200	25	17	23				
BKTI-R/L-JK-S32S-2C	VRB2143	VRB2356	250	32	17	30	4		VRV 06 M8	AA4
BKTI-R/L-JK-S16Q-3C	VRB2145	VRB2358	180	16	11	14	8			
BKTI-R/L-JK-S20R-3C	VRB2147	VRB2360	200	20	13	18	6		VRV 07 M5	AA4
BKTI-R/L-JK-S25R-3C	VRB2149	VRB2362	200	25	17	23		**MGM.3**		
BKTI-R/L-JK-S32S-3C	VRB2151	VRB2364	250	32	17	30	6		VRV 06 M8	AA4
BKTI-R/L-JK-S40T-3C	VRB2153	VRB2366	300	40	26	37,5				
BKTI-R/L-JK-S20R-4C	VRB2155	VRB2368	200	20	13	18	6		VRV 07 M5	AA4
BKTI-R/L-JK-S25R-4C	VRB2157	VRB2370	200	25	17	23		**MGM.4**		
BKTI-R/L-JK-S32S-4C	VRB2159	VRB2372	250	32	17	30	6		VRV 06 M8	AA4
BKTI-R/L-JK-S40T-4C	VRB2161	VRB2374	300	40	26	37,5				
BKTI-R/L-JK-S25R-5C	VRB2163	VRB2376	200	25	17	23	7		VRV 07 M5	AA4
BKTI-R/L-JK-S32S-5C	VRB2165	VRB2378	250	32	17	30	7	**MGM.5**	VRV 06 M8	AA4
BKTI-R/L-JK-S40T-5C	VRB2167	VRB2380	250	40	26	37,5				
BKTI-R/L-JK-S25R-6C	VRB2169	VRB2382	200	25	17	23	8		VRV 07 M5	AA4
BKTI-R/L-JK-S32S-6C	VRB2171	VRB2384	250	32	17	30	8	**MGM.6**	VRV 06 M8	AA4
BKTI-R/L-JK-S40T-6C	VRB2173	VRB2386	300	40	26	37,5				

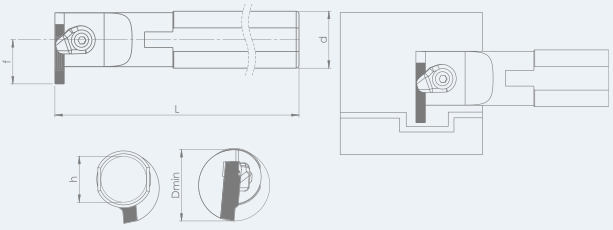




TEKNİK ÇİZİM / TECNHICAL DRAWING

HORN UCUNA UYGUNDUR

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BKTI-R/L S123	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTI-R/L-S123-S16Q -2C	VRB2175	VRB2388	180	16	11	14				
BKTI-R/L-S123-S20R -2C	VRB2177	VRB2390	200	20	13	18	4	**S123.2**	VRV 07 M5	T20
BKTI-R/L-S123-S25R -2C	VRB2179	VRB2392	200	25	17	23				
BKTI-R/L-S123-S32S -2C	VRB2181	VRB2394	250	32	17	30	4		VRV 06 M8	AA4
BKTI-R/L-S123-S16Q -3C	VRB2183	VRB2396	180	16	11	14				
BKTI-R/L-S123-S20R -3C	VRB2185	VRB2398	200	20	13	18	5		VRV 07 M5	AA4
BKTI-R/L-S123-S25R -3C	VRB2187	VRB2400	200	25	17	23		**S123.3**		
BKTI-R/L-S123-S32S -3C	VRB2189	VRB2402	250	32	17	30				
BKTI-R/L-S123-S40T -3C	VRB2191	VRB2404	300	40	26,5	37,5	5		VRV 06 M8	AA4
BKTI-R/L-S123-S20R -4C	VRB2193	VRB2406	190	20	13	18	7		VRV 07 M5	AA4
BKTI-R/L-S123-S25R -4C	VRB2195	VRB2408	200	25	17	23		**S123.4**		
BKTI-R/L-S123-S32S -4C	VRB2197	VRB2410	250	32	17	30	7		VRV 06 M8	AA4
BKTI-R/L-S123-S40T -4C	VRB2199	VRB2412	300	40	26,5	37,5				
BKTI-R/L-S123-S20R -5C	VRB2201	VRB2414	200	20	13	18	8		VRV 07 M5	AA4
BKTI-R/L-S123-S25R -5C	VRB2203	VRB2416	200	25	17	23		**S123.5**		
BKTI-R/L-S123-S32S -5C	VRB2205	VRB2418	250	32	17	30	8		VRV 06 M8	AA4
BKTI-R/L-S123-S40T -5C	VRB2207	VRB2420	300	40	26,5	37,5				



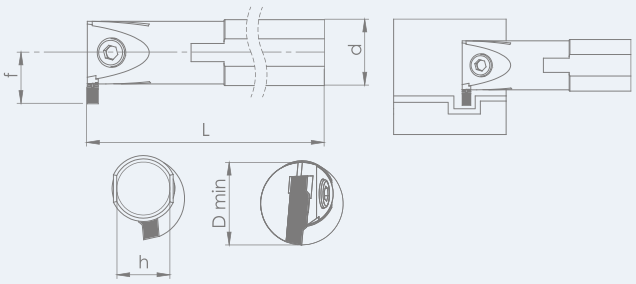


TEKNİK ÇİZİM / TECNHICAL DRAWING

ISCAR UCUNA UYGUNDUR

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
BKTI-R/L 154.91	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI PARÇASI WEDGE CLAMP	BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTI-R/L-154.91-S16Q -3Q	VRB2209	VRB2422	180	16	11	14					
BKTI-R/L-154.91-S20R -3Q	VRB2211	VRB2424	200	20	13	18	4	**154.91.3**	VCP 03	VRT 09 M4x11	T15
BKTI-R/L-154.91-S25R -3Q	VRB2213	VRB2426	200	25	17	23					

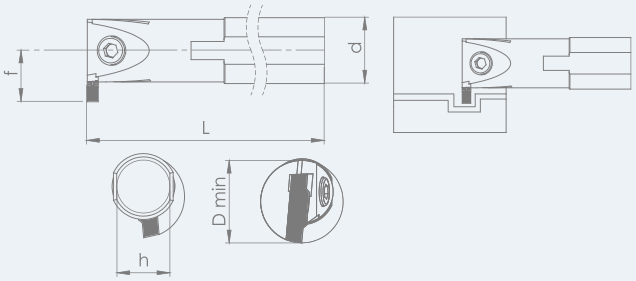




TEKNİK ÇİZİM / TECNHICAL DRAWING

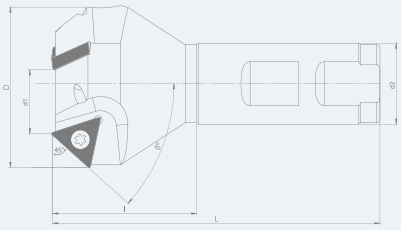
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
BKTI-R/L IS	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTI-R/L-IS-S20R -2C	VRB2215	VRB2428	200	20	13	18	5	**DGN 2**	VRV 07 M5	AA4
BKTI-R/L-IS-S25R -2C	VRB2217	VRB2430	200	25	17	23				
BKTI-R/L-IS-S20R -3C	VRB2219	VRB2432	200	20	13	18	6	**DGN 3**	VRV 07 M5	AA4
BKTI-R/L-IS-S25R -3C	VRB2221	VRB2434	200	25	17	23				





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
BKTI-R/L BH	Sol Left	Sağ Right	L	d	f	h	Tmax		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BKTI-R/L -BH-S25R-3C	VRB2223	VRB2436	200	25	17	23			VRV 07 M5	AA4
BKTI-R/L -BH-S32S-3C	VRB2225	VRB2438	250	32	22	32	7	**S 229-3**	VRV 06 M8	AA4
BKTI-R/L -BH-S40T-3C	VRB2227	VRB2440	300	40	26,5	37,5				
BKTI-R/L -BH-S25R-4C	VRB2229	VRB2442	200	25	17	23			VRV 07 M5	AA4
BKTI-R/L -BH-S32S-4C	VRB2231	VRB2444	250	32	22	32	7	**S 229-4**	VRV 06 M8	AA4
BKTI-R/L -BH-S40T-4C	VRB2233	VRB2446	300	40	26,5	37,5				
BKTI-R/L -BH-S25R-5C	VRB2235	VRB2448	200	25	17	23			VRV 07 M5	AA4
BKTI-R/L -BH-S32S-5C	VRB2237	VRB2450	250	32	22	32	7	**S 229-5**	VRV 06 M8	AA4
BKTI-R/L -BH-S40T-5C	VRB2239	VRB2452	300	40	26,5	37,5				



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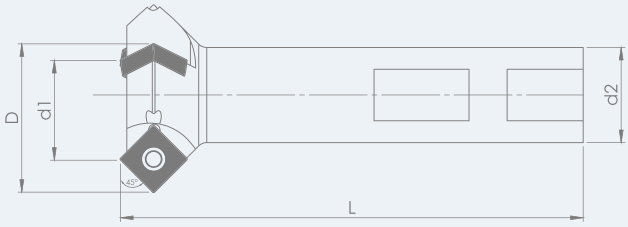
ISCAR UCUNA UYGUNDUR



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPTC 45°		D	d1	d2	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPTC11-4-15x1-16-100	VRT2457	15	4	16	100	1	**TC.. 1102**	VRT03 M2,5x5	T08
SPTC16-4-23x1-16-100	VRT2458	23	4	16	100	1			
SPTC16-10-31x2-16-100	VRT2459	31	10	16	100	2			
SPTC16-14-35x2-20-100	VRT2460	35	14	20	100	2	**TC.. 16T3**	VRT06 M3,5x9	T15
SPTC16-22-43x3-25-100	VRT2461	43	22	25	100	3			
SPTC16-32-53x3-25-100	VRT2462	53	32	25	100	3			







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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPSC 45°		D	d1	d2	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPSC09-4-13x1 16 120	VRT2463	13	4	16	120	**1**			
SPSC09-19-31x3 20 120	VRT2464	31	19	20	120	**3**	**SC.. 09 T3**	VRT 07 M3,5x11	T15
SPSC09-20-41x3 25 120	VRT2465	41	20	25	120	**3**			
SPSC12-35-50x4 25 120	VRT2466	50	35	25	120	**4**	**SC.. 1204**	VRT 10 M4,5	T20





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPSP 45°		D	d1	d2	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPSP09-4-16x1 16 110	VRT2467	16	4	16	110	**1**	**SP.. 09 03**	VRT 07 M3,5x11	T15



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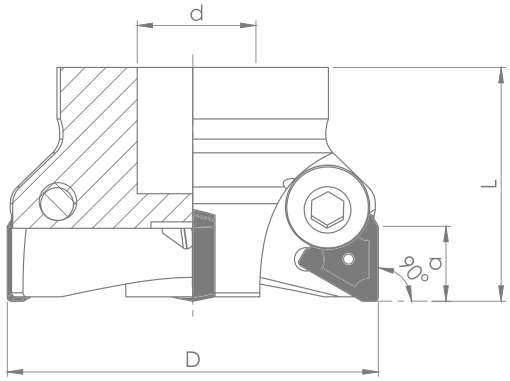
FREZE TAKIMLARI

MILLING TOOLS







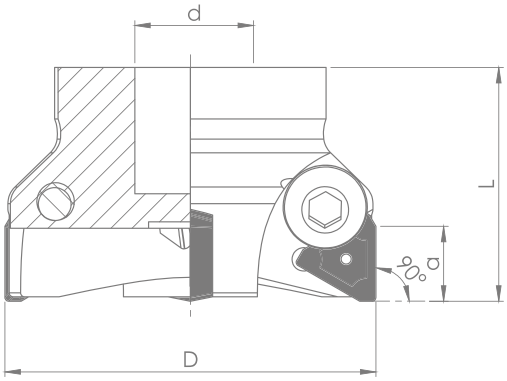


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT				YEDEK PARÇALAR SPARE PARTS
VRF90S TP22 **90°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SCREW	ALTLIK SHIM	ALTLIK VIDASI SHIM SCREW	ANAHTAR ALLEN KEY
VRF90S-TP22-D063-d22-Z04	VRT2468	63	22	40	20	**4**					
VRF90S-TP22-D080-d27-Z05	VRT2469	80	27	50	20	**5**					
VRF90S-TP22-D100-d32-Z06	VRT2470	100	32	50	20	**6**	**TPKN 2204**	VRV 002 M8	VRTN 22	VAV 02 M5	AA5
VRF90S-TP22-D125-d40-Z07	VRT2471	125	40	62	20	**7**					
VRF90S-TP22-D160-d40-Z08	VRT2472	160	40	62	20	**8**					
VRF90-TP22-D063-d22-Z04	VRT2473	63	22	40	20	**4**					
VRF90-TP22-D080-d27-Z05	VRT2474	80	27	50	20	**5**					
VRF90-TP22-D100-d32-Z06	VRT2475	100	32	50	20	**6**	**TPKN 2204**	VRV 002 M8	-	-	AA5
VRF90-TP22-D125-d40-Z07	VRT2476	125	40	62	20	**7**					
VRF90-TP22-D160-d40-Z08	VRT2477	160	40	62	20	**8**					





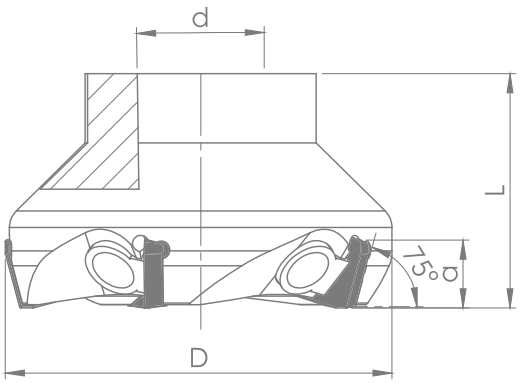


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS		
VRF90S TP16 **90°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SCREW	ALTLIK SHIM	ANAHTAR ALLEN KEY
VRF90S-TP16-D080-d27-Z05	VRT2478	80	27	50	14	**5**	**TPKN 1603**	VRV 001 M6	VRTN 16	AA5
VRF90S-TP16-D100-d32-Z06	VRT2479	100	32	50	14	**6**				
VRF90-TP16-D042-d16-Z03	VRT2480	42	16	45	14	**3**	**TPKN 1603**	VRV 001 M6	-	AA5
VRF90-TP16-D050-d22-Z03	VRT2481	50	22	45	14	**3**				
VRF90-TP16-D063-d22-Z03	VRT2482	63	22	45	14	**3**				
VRF90-TP16-D063-d22-Z04	VRT2483	63	22	45	14	**4**				
VRF90-TP16-D080-d27-Z05	VRT2484	80	27	50	14	**5**				
VRF90-TP16-D100-d32-Z06	VRT2485	100	32	50	14	**6**				





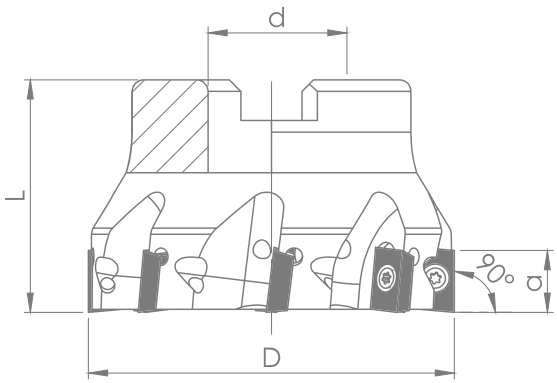


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
VRF75 SP12 75°		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SCREW	BASKI PARÇASI WEDGE CLAMP	ANAHTAR ALLEN KEY
VRF75-SP12-D050-d22-Z04	VRT2486	50	22	40	5	**4**				
VRF75-SP12-D063-d22-Z05	VRT2487	63	22	40	5	**5**				
VRF75-SP12-D080-d27-Z06	VRT2488	80	27	50	5	**6**				
VRF75-SP12-D100-d32-Z08	VRT2489	100	32	50	5	**8**	**SPKN 1204**	VKP 002 M8	VRV 07 M6	AA4
VRF75-SP12-D125-d40-Z10	VRT2490	125	40	62	5	**10**				
VRF75-SP12-D160-d40-Z12	VRT2491	160	40	62	5	**12**				
VRF75-SP12-D200-d60-Z14	VRT2492	200	60	62	5	**14**				
VRF75-SP12-D300-d60-Z20	VRT2493	300	60	65	5	**20**				





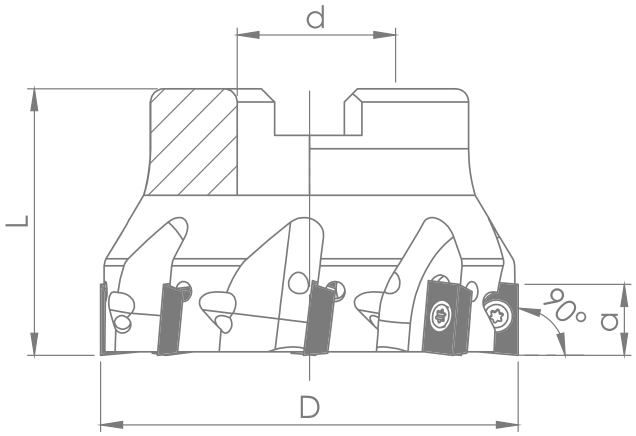


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VRF90 AP16 **90°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SCREW	ANAHTAR ALLEN KEY
VRF90-AP16-D040-d16-Z04	VRT2494	40	16	40	13	**4**	**APKT 1604**	VRT 06 M3,5x9	T15
VRF90-AP16-D050-d22-Z05	VRT2495	50	22	40	13	**5**			
VRF90-AP16-D063-d22-Z06	VRT2496	63	22	40	13	**6**			
VRF90-AP16-D080-d27-Z07	VRT2497	80	27	50	13	**7**			
VRF90-AP16-D100-d32-Z08	VRT2498	100	32	50	13	**8**			
VRF90-AP16-D125-d40-Z09	VRT2499	125	40	60	13	**9**			
VRF90-AP16-D160-d40-Z10	VRT2500	160	40	60	13	**10**			





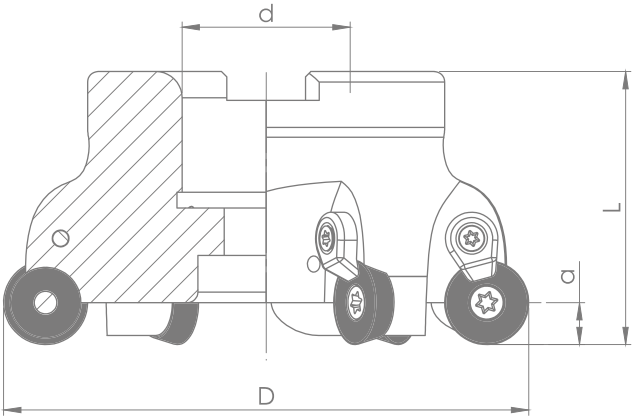


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
VRF90 AP10	**90°**	D	d	L	A	KESİCİ UÇ ADET INSERT QTY	BASKI VIDASI SCREW	ANAHTAR ALLEN KEY
VRF90-AP10-D040-d16-Z06	VRT2505	40	16	40	8	**6**		
VRF90-AP10-D050-d22-Z07	VRT2506	50	22	40	8	**7**		
VRF90-AP10-D063-d22-Z08	VRT2507	63	22	40	8	**8**		
VRF90-AP10-D080-d27-Z10	VRT2508	80	27	50	8	**10**		
VRF90-AP10-D100-d32-Z12	VRT2509	100	32	50	8	**12**		
						APKT 1003	VRT 04 M2.5x7	T08







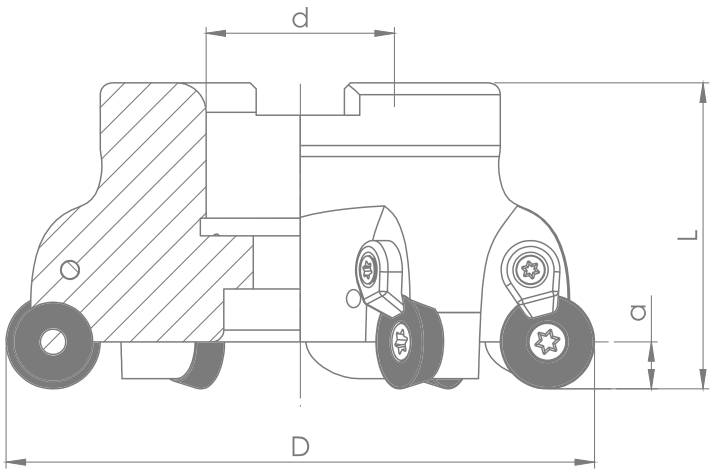
TEKNİK ÇİZİM / TECNHICAL DRAWING

VRF RD10

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) D	d	L	A	KESİCİ UÇ ADET INSERT QTY	KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS: BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF-RD1003-D040-d16-Z04	VRT2510	40	16	40	5	**4**				
VRF-RD1003-D050-d22-Z05	VRT2511	50	22	40	5	**5**				
VRF-RD1003-D063-d22-Z06	VRT2512	63	22	40	5	**6**	**RD.. 10 03**	VRV 11 M4	VRT 06 M3.5x9	T15
VRF-RD1003-D080-d27-Z07	VRT2513	80	27	50	5	**7**				
VRF-RD1003-D100-d32-Z08	VRT2514	100	32	50	5	**8**				





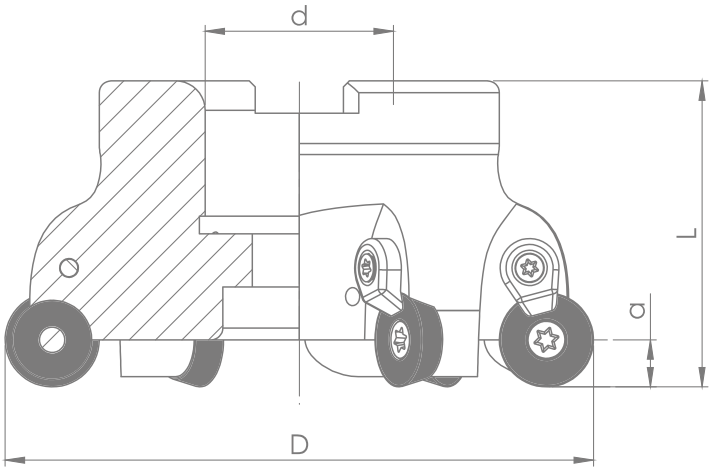


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
VRF RD12T03		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF-RD12T03-D040-d16-Z04	VRT2515	40	16	40	6	**4**	**RD.. 12 T03**	VRT 09 M4x11	VRT 06 M3,5x9	T15
VRF-RD12T03-D050-d22-Z05	VRT2516	50	22	40	6	**5**				
VRF-RD12T03-D063-d22-Z06	VRT2517	63	22	40	6	**6**				
VRF-RD12T03-D080-d27-Z07	VRT2518	80	27	50	6	**7**				
VRF-RD12T03-D100-d32-Z08	VRT2519	100	32	50	6	**8**				





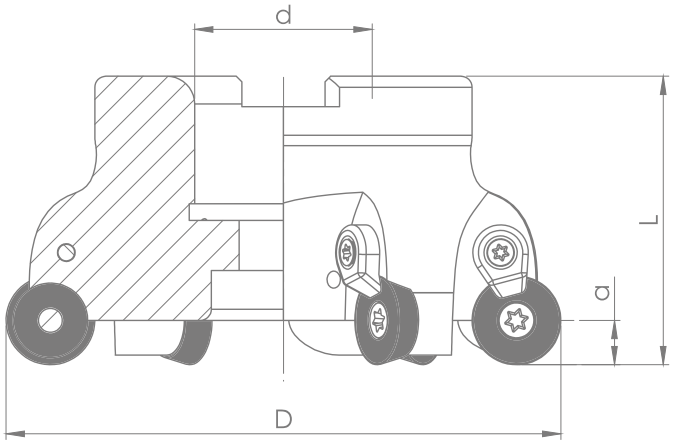


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT					YEDEK PARÇALAR SPARE PARTS
VRF RD1204		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF-RD1204-D040-d16-Z04	VRT2520	40	16	40	6	**4**					
VRF-RD1204-D050-d22-Z05	VRT2521	50	22	40	6	**5**					
VRF-RD1204-D063-d22-Z06	VRT2522	63	22	40	6	**6**	**RD.. 12 04**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
VRF-RD1204-D080-d27-Z07	VRT2523	80	27	50	6	**7**					
VRF-RD1204-D100-d32-Z08	VRT2524	100	32	50	6	**8**					





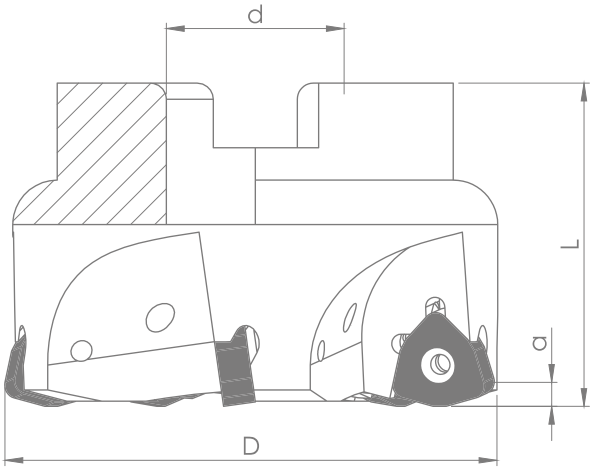


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
VRF RD1604		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF-RD1604-D063-d22-Z04	VRT2525	63	22	45	8	**4**	**RD.. 16 04**	VCP 04	VRT 12 M6x16	VRT 13 M5x12	T20
VRF-RD1604-D080-d27-Z05	VRT2526	80	27	50	8	**5**					
VRF-RD1604-D100-d32-Z06	VRT2527	100	32	50	8	**6**					
VRF-RD1604-D125-d40-Z07	VRT2528	125	40	65	8	**7**					







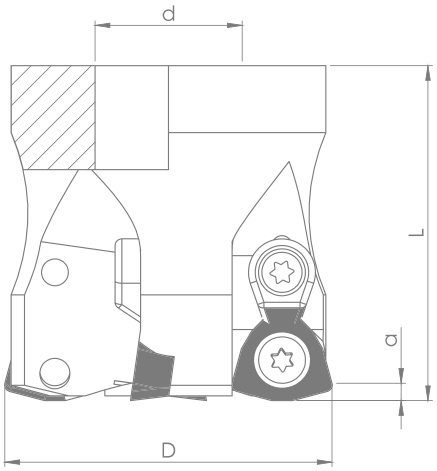
TEKNİK ÇİZİM / TECNHICAL DRAWING

VRFWN

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS			
		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRFWN-09-D050-d22-Z04	VRT2529	50	22	45	5	**4**					
VRFWN-09-D052-d22-Z05	VRT2530	52	22	40	5	**5**					
VRFWN-09-D063-d22-Z05	VRT2531	63	22	45	5	**5**	**WNMX 09T3**	-	-	VRT 05 M3x8	T10
VRFWN-09-D066-d22-Z05	VRT2532	66	22	40	5	**5**					
VRFWN-09-D080-d27-Z06	VRT2533	80	27	52	5	**6**					
VRFWN-09-D100-d32-Z07	VRT2534	100	32	60	5	**7**					
VRFWN-13-D050-d22-Z04	VRT2535	50	22	45	6	**4**					
VRFWN-13-D063-d22-Z05	VRT2536	63	22	45	6	**5**	**WNMX 1305**	VCP 03	VRT 09 M4x11	VRT 09 M4x11	T15
VRFWN-13-D080-d27-Z06	VRT2537	80	27	52	6	**6**					
VRFWN-13-D100-d32-Z07	VRT2538	100	32	60	6	**7**					





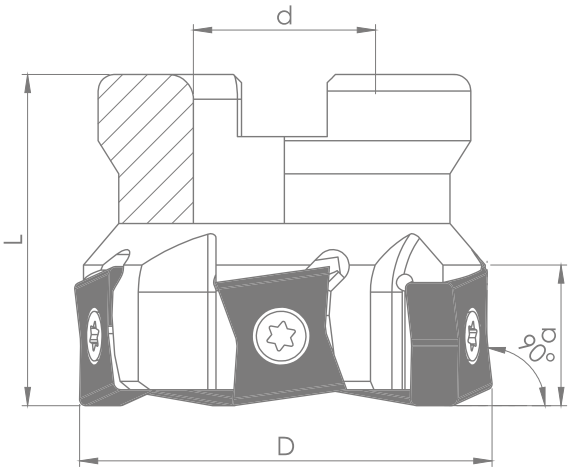


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
VRFWD		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRFWD-13-D050-d22-Z04	VRT2539	50	22	40	5	**4**	**WDKT 1305**	VCP 03	VRT 09 M4x11	VRT 13 M5x12	T15
VRFWD-13-D063-d22-Z05	VRT2540	63	22	40	5	**5**					
VRFWD-13-D080-d27-Z06	VRT2541	80	27	50	5	**6**					
VRFWD-13-D100-d32-Z07	VRT2542	100	32	65	5	**7**					





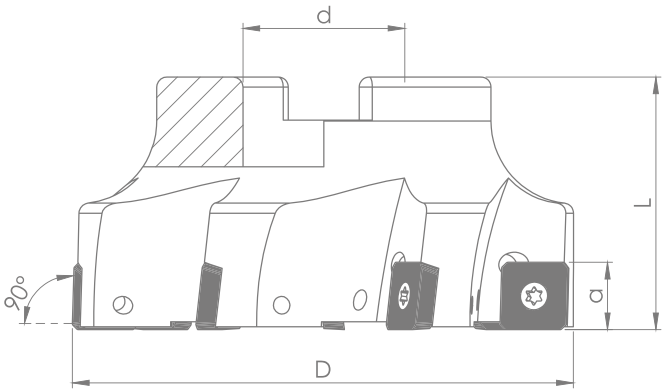


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VRF90LN **90°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90LNR/L-15-D050-d22-Z04	VRT2543	50	22	40	5	**4**	**LN.. 1506**	VRT 09 M4x11	T15
VRF90LNR/L-15-D063-d22-Z05	VRT2544	63	22	40	5	**5**			
VRF90LNR/L-15-D080-d27-Z06	VRT2545	80	27	50	5	**6**			
VRF90LNR/L-15-D100-d32-Z08	VRT2546	100	32	60	5	**8**			
VRF90LNR/L-15-D125-d40-Z09	VRT2547	125	40	65	5	**9**			
VRF90LNR/L-15-D160-d40-Z10	VRT2548	160	40	65	5	**10**			





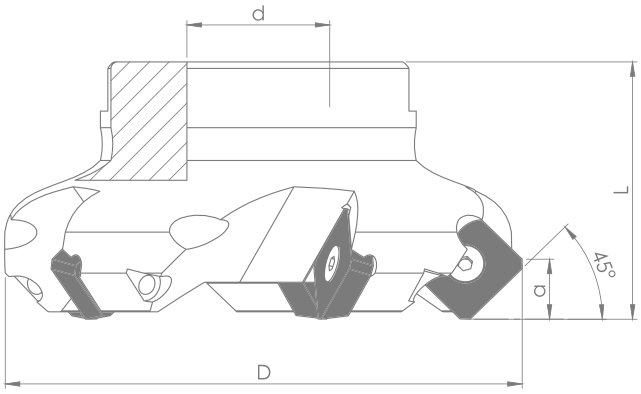


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
VRF90 SE1203	**90°**	D	d	L	A	KESİCİ UÇ ADET INSERT QTY	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90-SE1203-D050-d22-Z04	VRT2549	50	22	40	8	**4**	**SEET 12 03**	VRT 06 M3,5x9	T15
VRF90-SE1203-D063-d22-Z05	VRT2550	63	22	40	8	**5**			
VRF90-SE1203-D080-d27-Z06	VRT2551	80	27	50	8	**6**			
VRF90-SE1203-D100-d32-Z07	VRT2552	100	32	65	8	**7**			





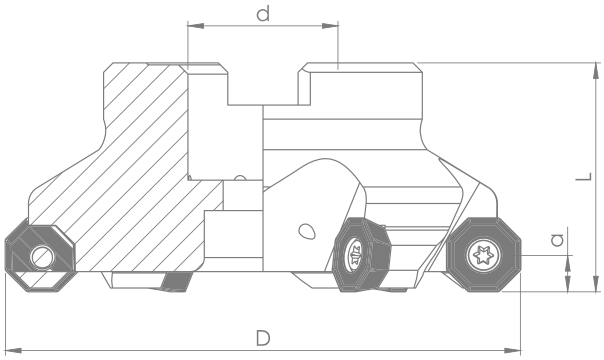


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VRF45 SE12T3 **45°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF45-SE12T3-D050-d22-Z04	VRT2553	50	22	40	6	**4**	**SEET 12 T3**	VRT 06 M3,5x9	T15
VRF45-SE12T3-D063-d22-Z05	VRT2554	63	22	40	6	**5**			
VRF45-SE12T3-D080-d27-Z06	VRT2555	80	27	50	6	**6**			
VRF45-SE12T3-D100-d32-Z07	VRT2556	100	32	50	6	**7**			
VRF45-SE12T3-D125-d40-Z08	VRT2557	125	40	62	6	**8**			
VRF45-SE12T3-D160-d40-Z10	VRT2558	160	40	62	6	**10**			





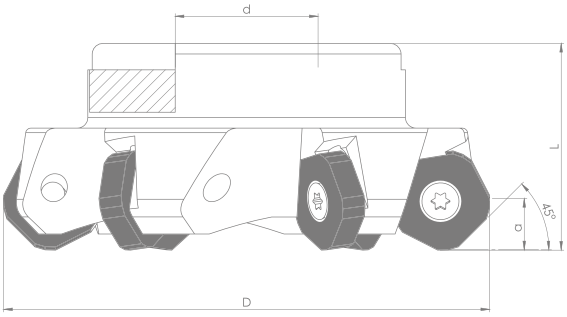


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
VRF45 OD06 **45°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF45-OD06-D050-d22-Z04	VRT2559	50	22	40	4	4		
VRF45-OD06-D063-d22-Z05	VRT2560	63	22	40	4	5		
VRF45-OD06-D080-d27-Z06	VRT2561	80	27	50	4	6		
VRF45-OD06-D100-d32-Z07	VRT2562	100	32	50	4	7	**OD..** **06 05**	VRT 13 M5x12	T20
VRF45-OD06-D125-d40-Z08	VRT2563	125	40	60	4	8			
VRF45-OD06-D160-d40-Z09	VRT2564	160	40	60	4	9			
VRF45-OD06-D200-d60-Z12	VRT2565	200	60	60	4	12			





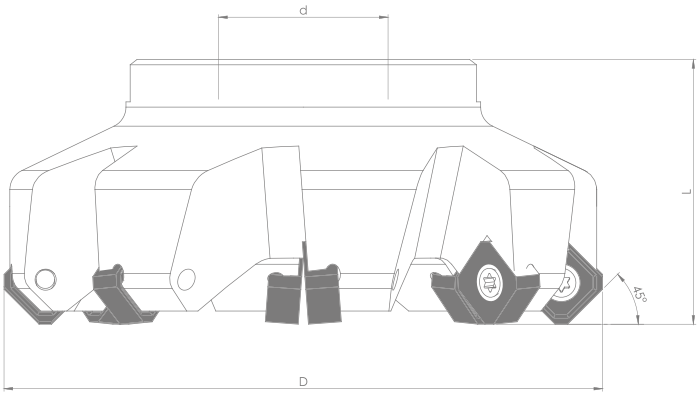


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF45 PN12 **45°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY			
VRF45-PN12-D063-d22-Z05	VRT2566	63	22	40	4	**5**	**PN..** **12 05**	VRT 13 M5x12	T20
VRF45-PN12-D080-d27-Z06	VRT2567	80	27	50	4	**6**			
VRF45-PN12-100-d32-Z07	VRT2568	100	32	50	4	**7**			





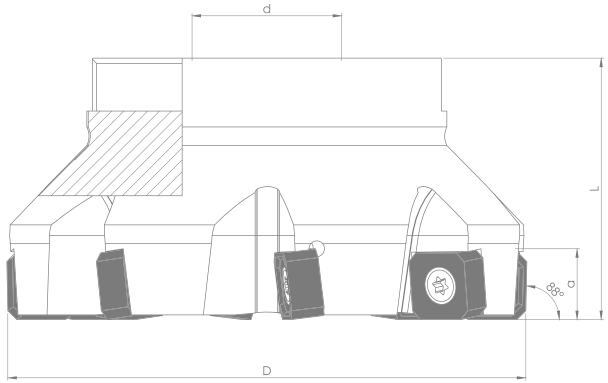


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
VRF45 SN 1205 **45°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF45-SN1205-D050-d22-Z05	VRT2569	50	22	40	6	**5**	**SNMX 1205**	VRT 09 M4x11	T15
VRF45-SN1205-D063-d22-Z06	VRT2570	63	22	40	6	**6**			
VRF45-SN1205-D080-d27-Z07	VRT2572	80	27	50	6	**7**			
VRF45-SN1205-D100-d32-Z08	VRT2573	100	32	50	6	**8**			
VRF45-SN1205-D125-d40-Z10	VRT2574	125	40	62	6	**10**			
VRF45-SN1205-D160-d40-Z12	VRT2575	160	40	62	6	**12**			





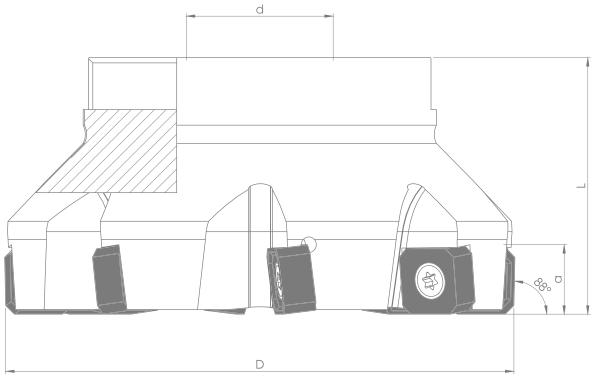


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT			YEDEK PARÇALAR SPARE PARTS	
VRF88 SN 1205	**88°**	**D**	**d**	**L**	**A**	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW		ANAHTAR ALLEN KEY
VRF88-SN1205-D050-d22-Z05	VRT2576	50	22	40	6	**5**				
VRF88-SN1205-D063-d22-Z06	VRT2577	63	22	40	6	**6**				
VRF88-SN1205-D080-d27-Z07	VRT2578	80	27	50	6	**7**	**SNMX 1205**	VRT 09 M4x11		T15
VRF88-SN1205-D080-d27-Z09	VRT2579	80	27	50	6	**9**				
VRF88-SN1205-D100-d32-Z08	VRT2580	100	32	50	6	**8**				
VRF88-SN1205-D125-d40-Z10	VRT2581	125	40	62	6	**10**				





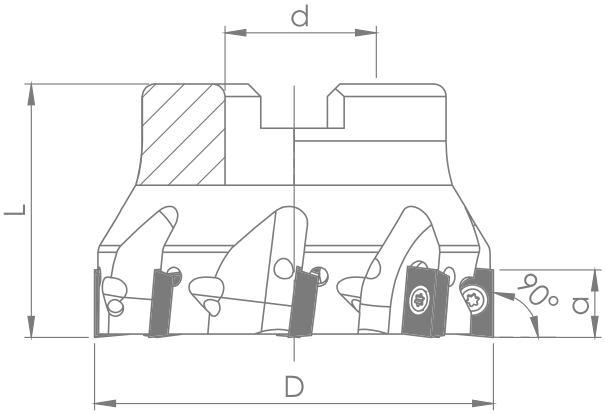


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
VRF88 SN 1206	**88°**	**D**	**d**	**L**	**A**	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF88-SN1206-D050-d22-Z05	VRT2582	50	22	40	6	**5**	**SNMX 1206**	VRT 09 M4x11	T15
VRF88-SN1206-D063-d22-Z06	VRT2583	63	22	40	6	**6**			
VRF88-SN1206-D080-d27-Z07	VRT2584	80	27	50	6	**7**			
VRF88-SN1206-D100-d32-Z08	VRT2585	100	32	50	6	**8**			
VRF88-SN1206-D125-d40-Z10	VRT2586	125	40	62	6	**10**			
VRF88-SN1206-D160-d40-Z12	VRT2587	160	40	62	6	**12**			



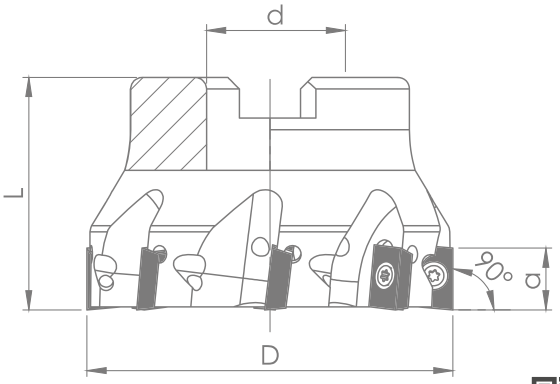




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT			YEDEK PARÇALAR SPARE PARTS	
VRF90 AP1135	**88°**	D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW		ANAHTAR ALLEN KEY
VRF90-AP1135-D040-d16-Z06	VRT2588	40	16	40	9	**6**				
VRF90-AP1135-D050-d22-Z07	VRT2589	50	22	40	9	**7**	**AP.. 1135**	VRT 04 M2,5x7		T08
VRF90-AP1135-D063-d22-Z08	VRT2590	63	22	40	9	**8**				





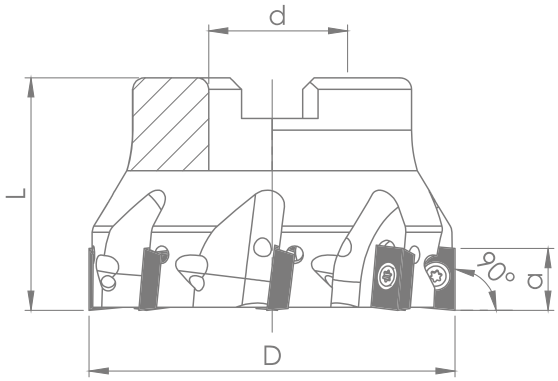
TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ ADET INSERT QTY	KESİCİ UÇ INSERT	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY	YEDEK PARÇALAR SPARE PARTS
VRF90 AP11 R390 **90°**		D	d	L	A					
VRF90-AP11R390-D040-d16-Z05	VRT2591	40	16	40	9	**5**	**AP.. 11 R390**	VRT 04 M2,5x7	T08	
VRF90-AP11R390-D050-d22-Z06	VRT2592	50	22	40	9	**6**				
VRF90-AP11R390-D063-d22-Z07	VRT2593	63	22	40	9	**7**				
VRF90-AP11R390-D080-d27-Z08	VRT2594	80	27	50	9	**8**				
VRF90-AP17R390-D040-d16-Z04	VRT2595	40	16	40	14	**4**	**AP.. 17 R390**	VRT 07 M3,5x11	T15	
VRF90-AP17R390-D050-d22-Z05	VRT2596	50	22	40	14	**5**				
VRF90-AP17R390-D063-d22-Z06	VRT2597	63	22	40	14	**6**				
VRF90-AP17R390-D080-d27-Z07	VRT2598	80	27	50	14	**7**				
VRF90-AP17R390-D100-d32-Z08	VRT2599	100	32	50	14	**8**				
VRF90-AP17R390-D125-d40-Z09	VRT2600	125	40	60	14	**9**				
VRF90-AP18R390-D040-d16-Z03	VRT2601	40	16	40	15	**3**	**AP.. 18 R390**	VRT 09 M4x11	T15	
VRF90-AP18R390-D050-d22-Z04	VRT2602	50	22	40	15	**4**				
VRF90-AP18R390-D063-d22-Z05	VRT2603	63	22	40	15	**5**				
VRF90-AP18R390-D080-d27-Z06	VRT2604	80	27	50	15	**6**				
VRF90-AP18R390-D100-d32-Z07	VRT2605	100	32	60	15	**7**				
VRF90-AP18R390-D125-d40-Z08	VRT2606	125	40	60	15	**8**				





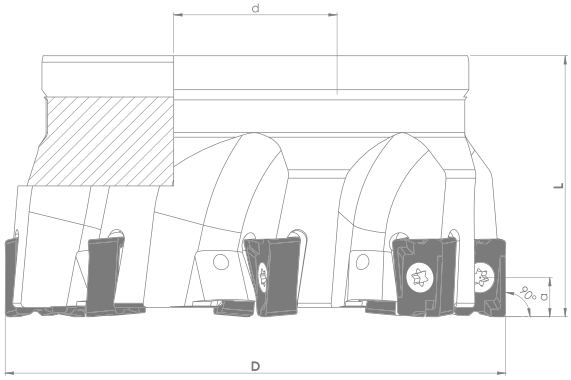


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VRF90 AX17 **90°**		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90-AX17-D040-d16-Z04	VRT2607	40	16	40	15	**4**	**AX.. 1705**	VRT 09 M4x11	T15
VRF90-AX17-D050-d22-Z05	VRT2608	50	22	40	15	**5**			
VRF90-AX17-D063-d22-Z06	VRT2609	63	22	40	15	**6**			
VRF90-AX17-D080-d27-Z07	VRT2610	80	27	50	15	**7**			





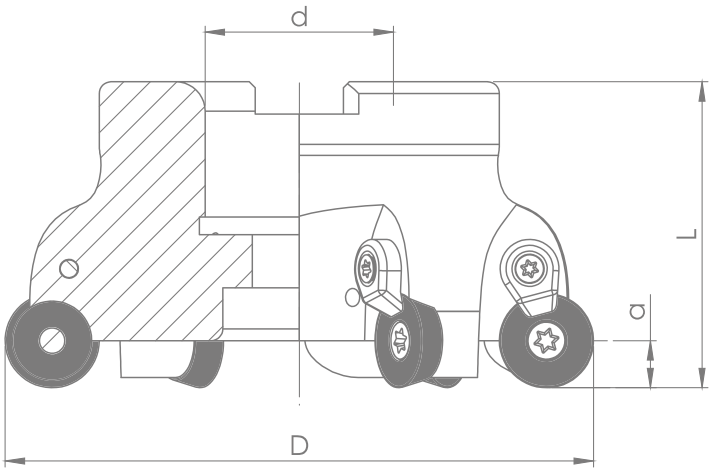


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
VRF90 LN13 90°		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90-LN13-D063-d22-Z06	VRT2611	63	22	40	12	**6**	**LN.. 1307**	VRT 09 M4x11	T15
VRF90-LN13-D080-d27-Z07	VRT2612	80	27	50	12	**7**			
VRF90-LN13-D100-d32-Z08	VRT2613	100	32	50	12	**8**			
VRF90-LN13-D125-d40-Z10	VRT2614	125	40	60	12	**10**			





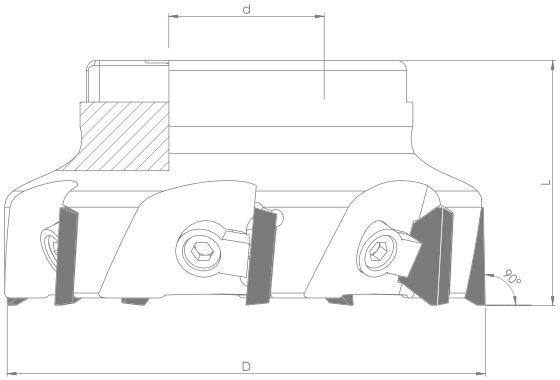


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS			
VRF RP10		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF-RP10-D040-d16-Z04	VRT2616	40	16	40	5	**4**					
VRF-RP10-D050-d22-Z05	VRT2617	50	22	40	5	**5**					
VRF-RP10-D063-d22-Z06	VRT2618	63	22	40	5	**6**	**RP.. 10 03**	VCP 03	VRT 09 M4x11	VRT 06 M3,5x9	T15
VRF-RP10-D080-d27-Z07	VRT2619	80	27	50	5	**7**					
VRF-RP10-D100-d32-Z08	VRT2620	100	32	50	5	**8**					
VRF-RP12-D040-d16-Z04	VRT2621	40	16	40	5	**4**					
VRF-RP12-D050-d22-Z05	VRT2622	50	22	40	5	**5**					
VRF-RP12-D063-d22-Z06	VRT2623	63	22	40	5	**6**	**RP.. 12 04**	VCP 03	VRT 09 M4x11	VRT 09 M4x11	T15
VRF-RP12-D080-d27-Z07	VRT2624	80	27	50	5	**7**					
VRF-RP12-D100-d32-Z08	VRT2625	100	32	50	5	**8**					





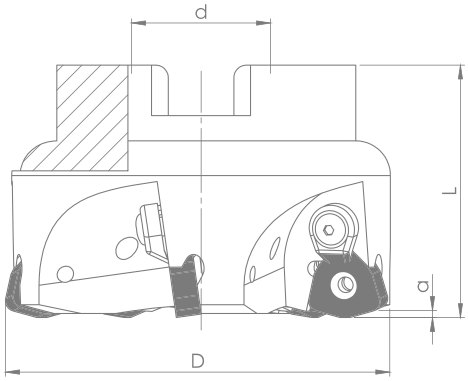


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS			
VRF90C TP22 90°		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90C-TP22-D063-d22-Z05	VRT2626	63	22	40	18	**5**	**TP.. 22 04**	VTP 001	VKP 002 M8	VSP 01 M8	AA4
VRF90C-TP22-D080-d27-Z06	VRT2627	80	27	50	18	**6**					
VRF90C-TP22-D100-d32-Z07	VRT2628	100	32	50	18	**7**					
VRF90C-TP22-D125-d40-Z08	VRT2629	125	40	62	18	**8**					
VRF90C-TP22-D160-d40-Z09	VRT2630	160	40	62	18	**9**					





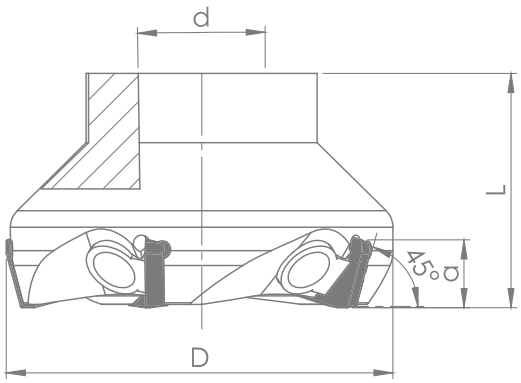


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS			
VRFJD 1204		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRFJD-JD1204-D050-d22-Z04	VRT2631	50	22	40	2	**4**					
VRFJD-JD1204-D063-d22-Z05	VRT2632	63	22	40	2	**5**	**JD.. 12 04**	VCP 03	VRT 09 M4x11	VRT 09 M4x11	T15
VRFJD-JD1204-D080-d27-Z06	VRT2633	80	27	50	2	**6**					





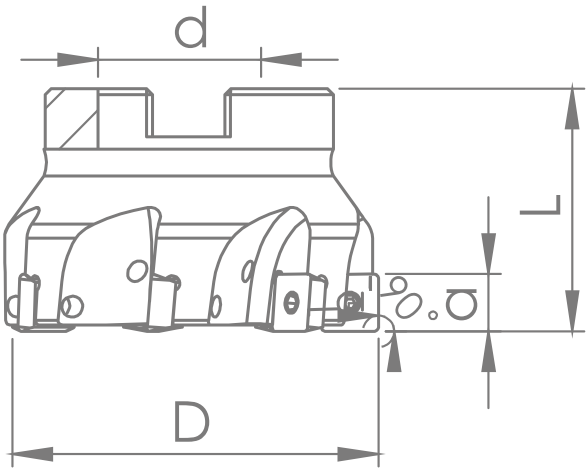


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS		
VRF45 SEK12 45°		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		BASKI PARÇASI WEDGE CLAMP	BASKI VİDASI SCREW	ANAHTAR ALLEN KEY
VRF45-SEK12-D050-d22-Z04	VRT2634	50	22	40	5	**4**	**SEKN 1203**	VKP 002 M8	VRV 07 M8	AA4
VRF45-SEK12-D063-d22-Z05	VRT2635	63	22	40	5	**5**				
VRF45-SEK12-D080-d27-Z06	VRT2636	80	27	50	5	**6**				
VRF45-SEK12-D100-d32-Z08	VRT2637	100	32	50	5	**8**				







TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VRF SD 90°		D	d	L	A	KESİCİ UÇ ADET INSERT QTY		SIKMA VİDASI CLAMPING SCREW	ANAHTAR ALLEN KEY
VRF90-SD09T3-D040-d16-Z05	VRT2638	40	16	40	9	**5**	**SD.. 09 T3**	VRT 06 M3,5x9	T15
VRF90-SD09T3-D050-d22-Z06	VRT2639	50	22	40	9	**6**			
VRF90-SD09T3-D063-d22-Z07	VRT2640	63	22	40	9	**7**			
VRF90-SD09T3-D080-d27-Z08	VRT2641	80	27	50	9	**8**			
VRF90-SD1204-D080-d27-Z06	VRT2642	80	27	50	12	**6**	**SD.. 1204**	VRT 09 M4x11	T15
VRF90-SD1204-D100-d32-Z07	VRT2643	100	32	50	12	**7**			


SPRP 12M S03-D35-A32-150L
SPAP 11



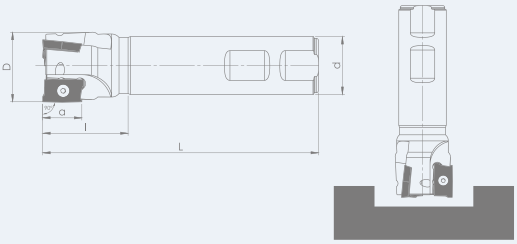
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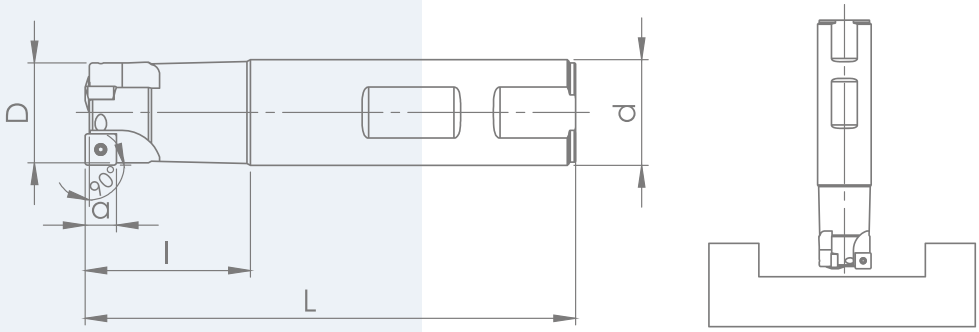


TEKNİK ÇİZİM / TECNHICAL DRAWING

SPAP 16 90°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPAP16 - S02 D25 d25 L100	VRT2644	25	25	100	2			
SPAP16 - S02 D30 d25 L100	VRT2645	30	25	100	2			
SPAP16 - S03 D32 d25 L100	VRT2646	32	25	100	3			
SPAP16 - S03 D35 d25 L100	VRT2647	35	25	100	3			
SPAP16 - S03 D40 d32 L100	VRT2648	40	32	100	3			
SPAP16 - S04 D45 d32 L100	VRT2649	45	32	100	4			
SPAP16 - S04 D50 d32 L100	VRT2650	50	32	100	4			
SPAP16 - S02 D25 d25 L120	VRT2651	25	25	120	2			
SPAP16 - S02 D30 d25 L120	VRT2652	30	25	120	2			
SPAP16 - S03 D32 d25 L120	VRT2653	32	25	120	3			
SPAP16 - S03 D35 d25 L120	VRT2654	35	25	120	3			
SPAP16 - S03 D40 d32 L120	VRT2655	40	32	120	3			
SPAP16 - S04 D45 d32 L120	VRT2656	45	32	120	4			
SPAP16 - S05 D50 d32 L120	VRT2657	50	32	120	5	**APKT 1604**	VRT 09 M4x11	T15
SPAP16 - S02 D25 d25 L150	VRT2658	25	25	150	2			
SPAP16 - S02 D30 d25 L150	VRT2659	30	25	150	2			
SPAP16 - S03 D32 d25 L150	VRT2660	32	25	150	3			
SPAP16 - S03 D35 d25 L150	VRT2661	35	25	150	3			
SPAP16 - S03 D40 d32 L150	VRT2662	40	32	150	3			
SPAP16 - S04 D45 d32 L150	VRT2663	45	32	150	4			
SPAP16 - S05 D50 d32 L150	VRT2664	50	32	150	5			
SPAP16 - S02 D25 d25 L200	VRT2665	25	25	200	2			
SPAP16 - S02 D30 d25 L200	VRT2666	30	25	200	2			
SPAP16 - S03 D32 d25 L200	VRT2667	32	25	200	3			
SPAP16 - S03 D35 d25 L200	VRT2668	35	25	200	3			
SPAP16 - S03 D40 d32 L200	VRT2669	40	32	200	3			
SPAP16 - S04 D45 d32 L200	VRT2670	45	32	200	4			
SPAP16 - S05 D50 d32 L200	VRT2671	50	32	200	5			

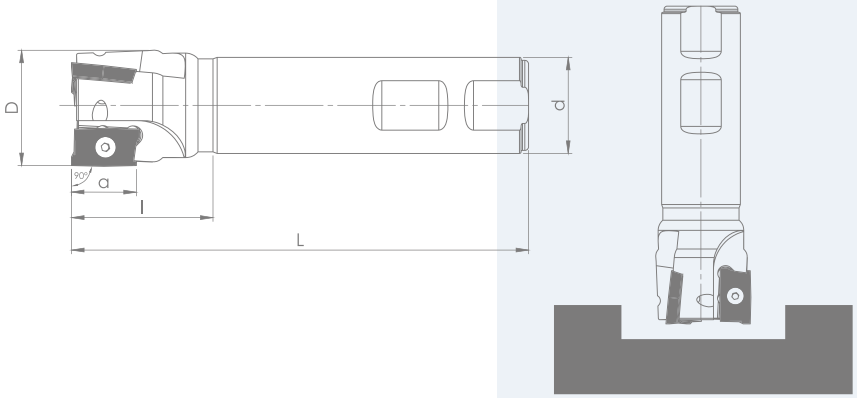




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPSD 09 **90°**		**D**	**d**	**L**	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPSD 09 - S02 D20 d20 L150	VRT2868	20	20	150	**2**	**SD..09T3**	VRT 06 M3,5x9	T15
SPSD 09 - S02 D25 d25 L150	VRT2869	25	25	150	**2**			
SPSD 09 - S02 D28 d25 L150	VRT2870	28	25	150	**2**			
SPSD 09 - S03 D32 d25 L150	VRT2871	32	25	150	**3**			





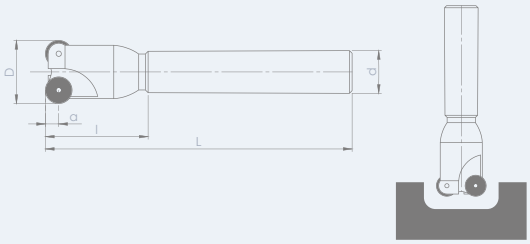
TEKNİK ÇİZİM / TECNHICAL DRAWING

SPAP 10 90°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) D	d	L	KESİCİ UÇ INSERT QTY	KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPAP10 - S01 D10 d10 L100	VRT2672	10	10	100	1			
SPAP10 - S01 D12 d12 L100	VRT2673	12	12	100	1			
SPAP10 - S01 D14 d14 L100	VRT2674	14	14	100	1			
SPAP10 - S02 D16 d16 L100	VRT2675	16	16	100	2			
SPAP10 - S02 D18 d16 L100	VRT2676	18	16	100	2			
SPAP10 - S03 D20 d20 L100	VRT2677	20	20	100	3	**APKT 1003**	VRT 04 M2,5x7	T08
SPAP10 - S03 D22 d20 L100	VRT2678	22	20	100	3			
SPAP10 - S03 D25 d25 L100	VRT2679	25	25	100	3			
SPAP10 - S03 D28 d25 L100	VRT2680	28	25	100	3			
SPAP10 - S04 D30 d25 L100	VRT2681	30	25	100	4			
SPAP10 - S04 D32 d25 L100	VRT2682	32	25	100	4			
SPAP10 - S04 D35 d25 L100	VRT2683	35	25	100	4			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPAP 10 90°		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPAP10 - S01 D10 d10 L120	VRT2684	10	10	120	1			
SPAP10 - S01 D12 d12 L120	VRT2685	12	12	120	1			
SPAP10 - S01 D14 d14 L120	VRT2686	14	14	120	1			
SPAP10 - S02 D16 d16 L120	VRT2687	16	16	120	2			
SPAP10 - S02 D18 d16 L120	VRT2688	18	16	120	2			
SPAP10 - S03 D20 d20 L120	VRT2689	20	20	120	3			
SPAP10 - S03 D22 d20 L120	VRT2690	22	20	120	3			
SPAP10 - S03 D25 d25 L120	VRT2691	25	25	120	3			
SPAP10 - S03 D28 d25 L120	VRT2692	28	25	120	3			
SPAP10 - S04 D30 d25 L120	VRT2693	30	25	120	4			
SPAP10 - S04 D32 d25 L120	VRT2694	32	25	120	4			
SPAP10 - S04 D35 d25 L120	VRT2695	35	25	120	4			
SPAP10 - S05 D40 d32 L120	VRT2696	40	32	120	5			
SPAP10 - S01 D10 d10 L150	VRT2697	10	10	150	1			
SPAP10 - S01 D12 d12 L150	VRT2698	12	12	150	1			
SPAP10 - S01 D14 d14 L150	VRT2699	14	14	150	1			
SPAP10 - S02 D16 d16 L150	VRT2700	16	16	150	2			
SPAP10 - S02 D18 d16 L150	VRT2701	18	16	150	2			
SPAP10 - S03 D20 d20 L150	VRT2702	20	20	150	3			
SPAP10 - S03 D22 d20 L150	VRT2703	22	20	150	3	**APKT 1003**	VRT 04 M2,5x7	T08
SPAP10 - S03 D25 d25 L150	VRT2704	25	25	150	3			
SPAP10 - S03 D28 d25 L150	VRT2705	28	25	150	3			
SPAP10 - S04 D30 d25 L150	VRT2706	30	25	150	4			
SPAP10 - S04 D32 d25 L150	VRT2707	32	25	150	4			
SPAP10 - S04 D35 d25 L150	VRT2708	35	25	150	4			
SPAP10 - S05 D40 d32 L150	VRT2709	40	32	150	5			
SPAP10 - S02 D16 d16 L200	VRT2710	16	16	200	2			
SPAP10 - S02 D18 d16 L200	VRT2711	18	16	200	2			
SPAP10 - S03 D20 d20 L200	VRT2712	20	20	200	3			
SPAP10 - S03 D22 d20 L200	VRT2713	22	20	200	3			
SPAP10 - S03 D25 d25 L200	VRT2714	25	25	200	3			
SPAP10 - S03 D28 d25 L200	VRT2715	28	25	200	3			
SPAP10 - S04 D30 d25 L200	VRT2716	30	25	200	4			
SPAP10 - S04 D32 d25 L200	VRT2717	32	25	200	4			
SPAP10 - S04 D35 d25 L200	VRT2718	35	25	200	4			
SPAP10 - S05 D40 d32 L200	VRT2719	40	32	200	5			
SPAP10 - S02 D16 d16 L250	VRT2720	16	16	250	2			
SPAP10 - S02 D18 d16 L250	VRT2721	18	16	250	2			
SPAP10 - S03 D20 d20 L250	VRT2722	20	20	250	3			
SPAP10 - S03 D25 d25 L250	VRT2723	25	25	250	3			



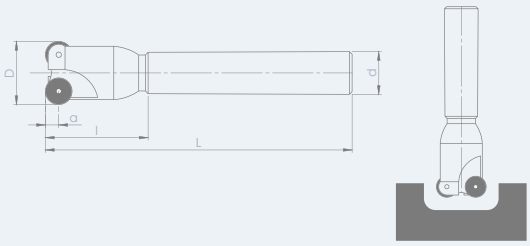


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPRD		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPRD1204 - S02 D25 d25 L120	VRT2724	25	25	120	**2**			
SPRD1204 - S02 D28 d25 L120	VRT2725	28	25	120	**2**			
SPRD1204 - S02 D30 d25 L120	VRT2726	30	25	120	**2**			
SPRD1204 - S03 D32 d25 L120	VRT2727	32	25	120	**3**			
SPRD1204 - S03 D35 d32 L120	VRT2728	35	32	120	**3**			
SPRD1204 - S03 D40 d32 L120	VRT2729	40	32	120	**3**			
SPRD1204 - S02 D25 d25 L150	VRT2730	25	25	150	**2**			
SPRD1204 - S02 D28 d25 L150	VRT2731	28	25	150	**2**			
SPRD1204 - S02 D30 d25 L150	VRT2732	30	25	150	**2**	**RD.. 1204**	VRT 09 M4x11	T15
SPRD1204 - S03 D32 d25 L150	VRT2733	32	25	150	**3**			
SPRD1204 - S03 D35 d25 L150	VRT2734	35	25	150	**3**			
SPRD1204 - S03 D40 d32 L150	VRT2735	40	32	150	**3**			
SPRD1204 - S02 D25 d25 L200	VRT2736	25	25	200	**2**			
SPRD1204 - S02 D28 d25 L200	VRT2737	28	25	200	**2**			
SPRD1204 - S02 D30 d25 L200	VRT2738	30	25	200	**2**			
SPRD1204 - S03 D32 d25 L200	VRT2739	32	25	200	**3**			
SPRD1204 - S03 D35 d25 L200	VRT2740	35	25	200	**3**			
SPRD1204 - S03 D40 d32 L200	VRT2741	40	32	200	**3**			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPRD 10		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPRD1003 - S02 D20 d20 L120	VRT2742	20	20	120	**2**			
SPRD1003 - S02 D25 d25 L120	VRT2743	25	25	120	**2**			
SPRD1003 - S03 D28 d25 L120	VRT2744	28	25	120	**3**			
SPRD1003 - S03 D30 d25 L120	VRT2745	30	25	120	**3**			
SPRD1003 - S03 D32 d25 L120	VRT2746	32	25	120	**3**			
SPRD1003 - S03 D35 d25 L120	VRT2747	35	25	120	**3**			
SPRD1003 - S03 D35 d25 L120	VRT2748	35	25	120	**3**			
SPRD1003 - S04 D40 d32 L120	VRT2749	40	32	120	**4**			
SPRD1003 - S02 D20 d20 L150	VRT2750	20	20	150	**2**			
SPRD1003 - S02 D25 d25 L150	VRT2751	25	25	150	**2**			
SPRD1003 - S03 D28 d25 L150	VRT2752	28	25	150	**3**			
SPRD1003 - S03 D30 d25 L150	VRT2753	30	25	150	**3**			
SPRD1003 - S03 D32 d25 L150	VRT2754	32	25	150	**3**	**RD.. 1003**	VRT 06 M3,5x9	T15
SPRD1003 - S03 D35 d25 L150	VRT2755	35	25	150	**3**			
SPRD1003 - S03 D35 d32 L150	VRT2756	35	32	150	**3**			
SPRD1003 - S04 D40 d32 L150	VRT2757	40	32	150	**4**			
SPRD1003 - S02 D20 d20 L200	VRT2758	20	20	200	**2**			
SPRD1003 - S02 D25 d25 L200	VRT2759	25	25	200	**2**			
SPRD1003 - S03 D28 d25 L200	VRT2760	28	25	200	**3**			
SPRD1003 - S03 D30 d25 L200	VRT2761	30	25	200	**3**			
SPRD1003 - S03 D32 d25 L200	VRT2762	32	25	200	**3**			
SPRD1003 - S03 D35 d25 L200	VRT2763	35	25	200	**3**			
SPRD1003 - S03 D35 d32 L200	VRT2764	35	32	200	**3**			
SPRD1003 - S04 D40 d32 L200	VRT2765	40	32	200	**4**			
SPRD1003 - S02 D20 d20 L250	VRT2766	20	20	250	**2**			
SPRD1003 - S02 D25 d25 L250	VRT2767	25	25	250	**2**			





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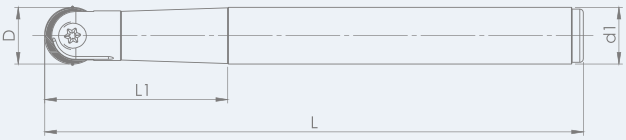
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPRP		**D**	**d**	**L**	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPRP 1003 - S02 D20 d20 L120	VRT2768	20	20	120	**2**			
SPRP 1003 - S02 D25 d25 L120	VRT2769	25	25	120	**2**			
SPRP 1003 - S03 D30 d25 L120	VRT2770	30	25	120	**3**			
SPRP 1003 - S03 D32 d25 L120	VRT2771	32	25	120	**3**			
SPRP 1003 - S03 D35 d32 L120	VRT2772	35	32	120	**3**	**RP.. 1003**	VRT 06 M3,5x9	T15
SPRP 1003 - S02 D20 d20 L150	VRT2773	20	20	150	**2**			
SPRP 1003 - S02 D25 d25 L150	VRT2774	25	25	150	**2**			
SPRP 1003 - S03 D30 d25 L150	VRT2775	30	25	150	**3**			
SPRP 1003 - S03 D32 d25 L150	VRT2776	32	25	150	**3**			
SPRP 1003 - S03 D35 d32 L150	VRT2777	35	32	150	**3**			
SPRP 1204 - S02 D25 d25 L120	VRT2778	25	25	120	**2**			
SPRP 1204 - S02 D30 d25 L120	VRT2779	30	25	120	**2**			
SPRP 1204 - S03 D32 d25 L120	VRT2780	32	25	120	**3**			
SPRP 1204 - S03 D35 d25 L120	VRT2781	35	25	120	**3**	**RP.. 1204**	VRT 09 M4x11	T15
SPRP 1204 - S02 D25 d25 L150	VRT2782	25	25	150	**2**			
SPRP 1204 - S02 D30 d25 L150	VRT2783	30	25	150	**2**			
SPRP 1204 - S03 D32 d25 L150	VRT2784	32	25	150	**3**			
SPRP 1204 - S03 D35 d32 L150	VRT2785	35	32	150	**3**			



TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPWN		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPWN06 - S02 D16 d16 L150H	VRT2786	16	16	150	2	**VNMX 06**	VRT 04 M2,5x7	T08
SPWN06 - S02 D20 d20 L150H	VRT2787	20	20	150	3			
SPWN09 - S02 D25 d25 L150H	VRT2788	25	25	150	2	**VNMX 09**	VRT 05 M3x8	T10
SPWN09 - S02 D26 d25 L150H	VRT2789	26	25	150	2			

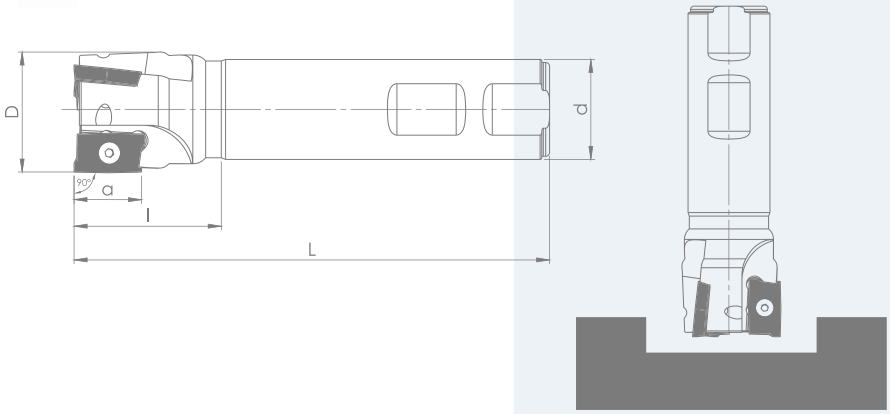


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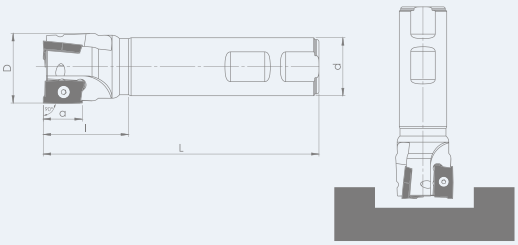
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)				KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTKR		D	d1	L	L1		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
BTKR08 - 10-110	VRT2790	8	10	110	25	**Q8 WLTR**	VKV 01 M3	T08
BTKR10 - 12-130	VRT2791	10	12	130	30	**Q10 WLTR**	VKV 02 M4	T15
BTKR12 - 12-130	VRT2792	12	12	130	32	**Q12 WLTR**	VKV 03 M5	T20
BTKR16 - 16-175	VRT2793	16	16	175	60	**Q16 WLTR**	VKV 04 M5	T20
BTKR20 - 20-200	VRT2794	20	20	200	100	**Q20 WLTR**	VKV 05 M6	T20
BTKR25 - 25-200	VRT2795	25	25	200	100	**Q25 WLTR**	VKV 05 M6	T20
BTKR32 - 32-200	VRT2796	32	32	200	100	**Q32 WLTR**	VKV 06 M8	T30





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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPLN **90°**		**D**	**d**	**L**	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPLN10 - S02 D18 d16 L150	VRT2801	18	16	150	**2**			
SPLN10 - S02 D20 d20 L150	VRT2802	20	20	150	**2**			
SPLN10 - S02 D21 d20 L150	VRT2803	21	20	150	**2**	**LNMT 10 06**	VRT 05 M3x8	T10
SPLN10 - S03 D25 d25 L150	VRT2804	25	25	150	**3**			
SPLN10 - S03 D26 d25 L150	VRT2805	26	25	150	**3**			
SPLN15 - S02 D32 d32 L200	VRT2806	32	32	200	**2**	**LNMT 15 10**	VRT 09 M4x11	T15
SPLN15 - S02 D33 d32 L200	VRT2807	33	32	200	**2**			



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
SPLO 90°		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPLO 15 - S02 D25 d25 L150	VRT2808	25	25	150	2	LO.. 15	VRT 06 M3,5x9	T15
SPLO 15 - S03 D32 d25 L150	VRT2809	32	25	150	3			

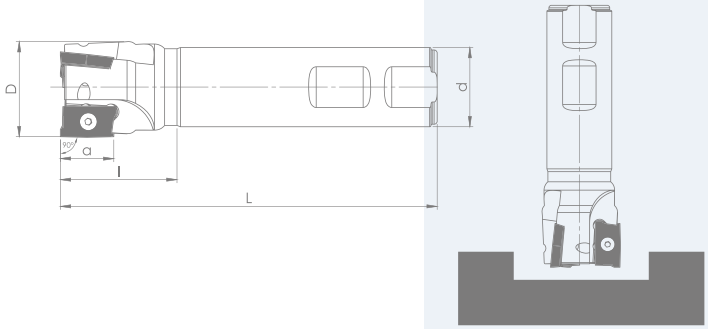


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
SPXN		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPXN 06H - S02 D21 d20 L200	VRT2810	21	20	200	**2**	**XN.. 06**	VRT 05 M3x8	T10
SPXN 06H - S03 D26 d25 L200	VRT2811	26	25	200	**3**			
SPXN 06H - S04 D33 d32 L200	VRT2812	33	32	200	**4**			

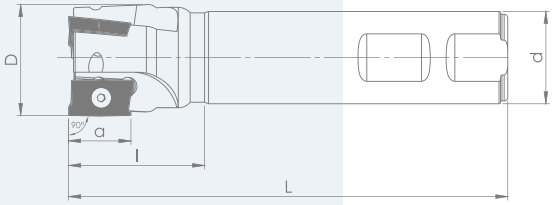


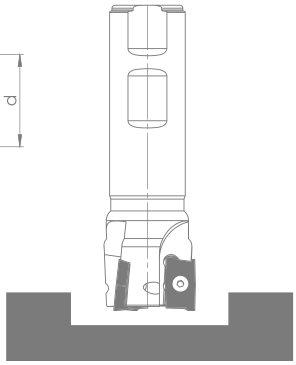


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPAP 11R390 **90°**		**D**	**d**	**L**	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPAP11R390 - S02 D16 d16 L100	VRT2813	16	16	100	**2**			
SPAP11R390 - S02 D18 d16 L100	VRT2814	18	16	100	**2**			
SPAP11R390 - S03 D20 d20 L100	VRT2815	20	20	100	**3**			
SPAP11R390 - S03 D25 d25 L100	VRT2816	25	25	100	**3**			
SPAP11R390 - S04 D30 d25 L100	VRT2817	30	25	100	**4**			
SPAP11R390 - S02 D16 d16 L120	VRT2818	16	16	120	**2**			
SPAP11R390 - S02 D18 d16 L120	VRT2819	18	16	120	**2**			
SPAP11R390 - S03 D20 d20 L120	VRT2820	20	20	120	**3**			
SPAP11R390 - S03 D25 d25 L120	VRT2821	25	25	120	**3**	**AP.. 11 R390**	VRT 04 M2,5x7	T08
SPAP11R390 - S04 D30 d25 L120	VRT2822	30	25	120	**4**			
SPAP11R390 - S02 D16 d16 L150	VRT2823	16	16	150	**2**			
SPAP11R390 - S02 D18 d16 L150	VRT2824	18	16	150	**2**			
SPAP11R390 - S03 D20 d20 L150	VRT2825	20	20	150	**3**			
SPAP11R390 - S03 D25 d25 L150	VRT2826	25	25	150	**3**			
SPAP11R390 - S04 D30 d25 L150	VRT2827	30	25	150	**4**			
SPAP11R390 - S02 D16 d16 L200	VRT3501	16	16	200	**2**			
SPAP11R390 - S03 D20 d20 L200	VRT3502	20	20	200	**3**			
SPAP11R390 - S03 D25 d25 L200	VRT3503	25	25	200	**3**			



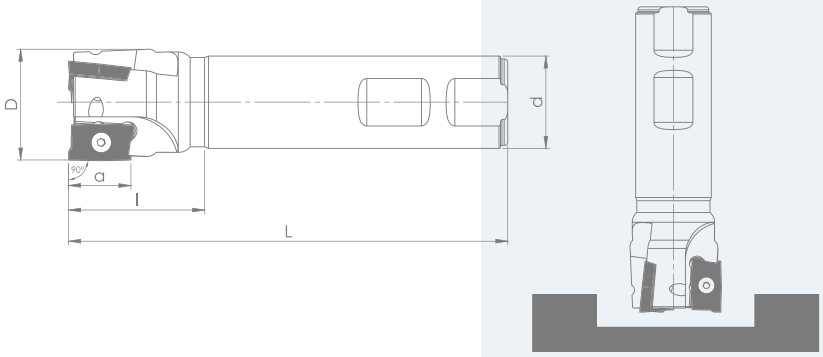




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPAP 17R390		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPAP17R390 - S02 D25 d25 L100	VRT2832	25	25	100	**2**			
SPAP17R390 - S03 D30 d25 L100	VRT2833	30	25	100	**3**			
SPAP17R390 - S03 D32 d25 L100	VRT2834	32	25	100	**3**			
SPAP17R390 - S02 D25 d25 L120	VRT2835	25	25	120	**2**			
SPAP17R390 - S03 D30 d25 L120	VRT2836	30	25	120	**3**	**AP.. 17 R390**	VRT 06 M3,5x9	T15
SPAP17R390 - S03 D32 d25 L120	VRT2837	32	25	120	**3**			
SPAP17R390 - S02 D25 d25 L150	VRT2838	25	25	150	**2**			
SPAP17R390 - S03 D30 d25 L150	VRT2839	30	25	150	**3**			
SPAP17R390 - S03 D32 d25 L150	VRT2840	32	25	150	**3**			



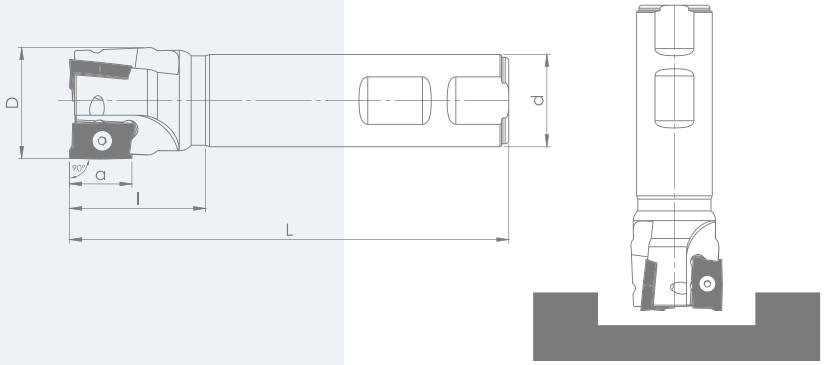


TEKNİK ÇİZİM / TECNHICAL DRAWING

SPAP 1135 90°

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) D	d	L	KESİCİ UÇ ADET INSERT QTY	KESİCİ UÇ INSERT	YEDEK PARÇALAR BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
SPAP1135 - S02 D16 d16 L100	VRT2841	16	16	100	2			
SPAP1135 - S03 D20 d20 L100	VRT2842	20	20	100	3			
SPAP1135 - S03 D25 d25 L100	VRT2843	25	25	100	3			
SPAP1135 - S02 D16 d16 L120	VRT2844	16	16	120	2			
SPAP1135 - S03 D20 d20 L120	VRT2845	20	20	120	3			
SPAP1135 - S03 D25 d25 L120	VRT2846	25	25	120	3			
SPAP1135 - S02 D16 d16 L150	VRT2847	16	16	150	2			
SPAP1135 - S03 D20 d20 L150	VRT2848	20	20	150	3	**AP.. 1135**	VRT 04 M2,5x7	T08
SPAP1135 - S03 D25 d25 L150	VRT2849	25	25	150	3			
SPAP1135 - S02 D16 d16 L200	VRT2850	16	16	200	2			
SPAP1135 - S03 D20 d20 L200	VRT2851	20	20	200	3			
SPAP1135 - S03 D25 d25 L200	VRT2852	25	25	200	3			
SPAP1135 - S02 D17 d16 L150	VRT2853	17	16	150	2			
SPAP1135 - S03 D21 d20 L150	VRT2854	21	20	150	3			
SPAP1135 - S03 D26 d25 L150	VRT2855	26	25	150	3			

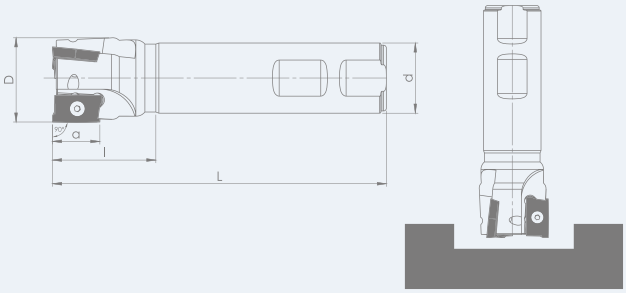




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SPAP 11 T3 90°		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPAP11T3 - S02 D16 d16 L100	VRT2856	16	16	100	2			
SPAP11T3 - S03 D20 d20 L100	VRT2857	20	20	100	3			
SPAP11T3 - S03 D25 d25 L100	VRT2858	25	25	100	3			
SPAP11T3 - S02 D16 d16 L120	VRT2859	16	16	120	2			
SPAP11T3 - S03 D20 d20 L120	VRT2860	20	20	120	3			
SPAP11T3 - S03 D25 d25 L120	VRT2861	25	25	120	3	**AP.. 11T3**	VRT 04 M2,5x7	T08
SPAP11T3 - S02 D16 d16 L150	VRT2862	16	16	150	2			
SPAP11T3 - S03 D20 d20 L150	VRT2863	20	20	150	3			
SPAP11T3 - S03 D25 d25 L150	VRT2864	25	25	150	3			
SPAP11T3 - S02 D16 d16 L200	VRT2865	16	16	200	2			
SPAP11T3 - S03 D20 d20 L200	VRT2866	20	20	200	3			
SPAP11T3 - S03 D25 d25 L200	VRT2867	25	25	200	3			



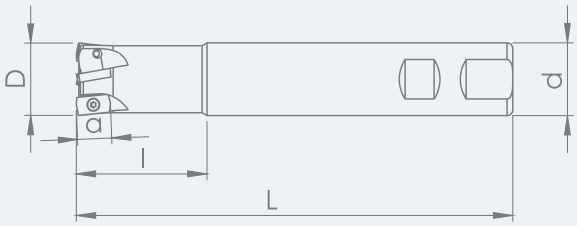


TEKNİK ÇİZİM / TECNHICAL DRAWING

SPLO03

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPLO03 - S02 D16 D16 L150H	VRT2828	16	16	130	1	LGO. 0310	VRT 05 M 3X3	T08
SPLO03 - S03 D20 D20 L150H	VRT2829	20	20	150	3			
SPLO03 - S04 D25 D25 L150H	VRT2830	25	25	150	4			
SPLO03 - S05 D32 D32 L150H	VRT2831	32	32	150	5			

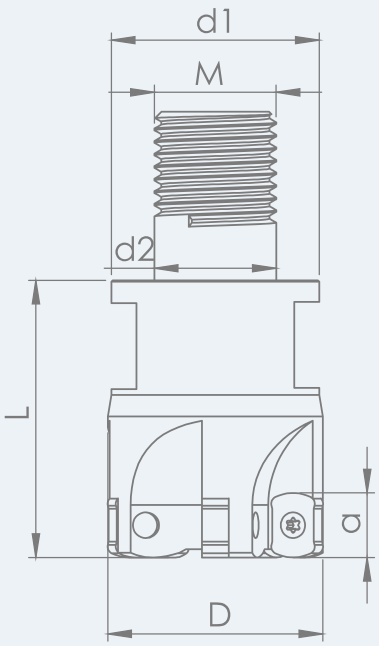




TEKNİK ÇİZİM / TECNHICAL DRAWING

SPBL06

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)			KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
		D	d	L	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
SPBL06 - S02 D17 D16 L150H	VRT2797	17	16	150	2	BLM. 0603	VRT 04 M2,5x6	T08
SPBL06 - S02 D16 D16 L200H	VRT3504	16	16	150	2			
SPBL06 - S02 D16 D16 L250H	VRT3505	16	16	150	2			
SPBL06 - S03 D21 D20 L150H	VRT2798	21	20	150	3			
SPBL06 - S04 D26 D25 L150H	VRT2799	26	25	150	4			
SPBL06 - S05 D32 D32 L150H	VRT2800	32	31	150	5			

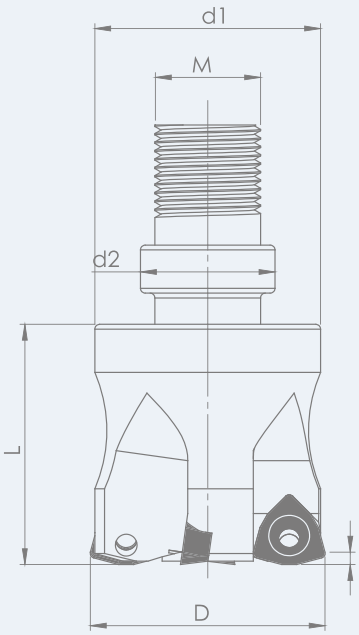




TEKNİK ÇİZİM / TECNHICAL DRAWING

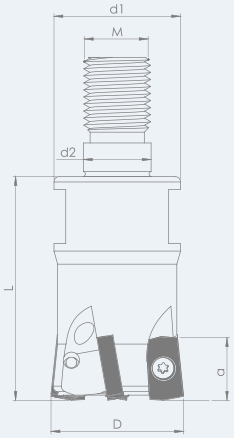
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
VMFBL06		D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY
VMFBL06 - 16M08-Z02	VRT2888	16	8.5	14,5	25	08	**2**			
VMFBL06 - 20M10-Z03	VRT2889	20	10.5	18	30	10	**3**			
VMFBL06 - 25M12-Z04	VRT2890	25	12.5	23	30	12	**4**	**BL.. 06**	VRT 05 M3x8	T10
VMFBL06 - 32M16-Z05	VRT2891	32	17	29	40	16	**5**			
VMFBL06 - 35M16-Z05	VRT2892	35	17	29	40	16	**5**			





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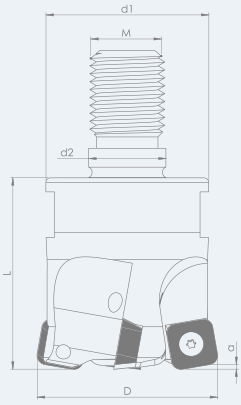
TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
HRMDM		D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
HRMDM - 0616 HR-M08 Z02	VRT2872	16	8,5	14,5	25	M08	**2**			
HRMDM - 0617 HR-M08 Z02	VRT2873	17	8,5	14,5	25	M08	**2**			
HRMDM - 0620 HR-M10 Z02	VRT2874	20	10,5	18	30	M10	**2**	**WNM.. 06**	VRT 04 M2,5x7	T08
HRMDM - 0621 HR-M10 Z02	VRT2875	21	10,5	18	30	M10	**2**			
HRMDM - 0625 HR-M12 Z03	VRT2876	25	12,5	23	30	M12	**3**			
HRMDM - 0626 HR-M12 Z03	VRT2877	26	12,5	23	30	M12	**3**			
HRMDM - 0925 HR-M12 Z02	VRT2878	25	12,5	23	30	M12	**2**			
HRMDM - 0926 HR-M12 Z02	VRT2879	26	12,5	23	30	M12	**2**			
HRMDM - 0935 HR-M16 Z04	VRT2880	35	17	29	40	M16	**4**	**WNM.. 09**	VRT 05 M3x8	T10
HRMDM - 0940 HR-M16 Z04	VRT2881	40	17	29	40	M16	**4**			
HRMDM - 0942 HR-M16 Z04	VRT2882	42	17	29	40	M16	**4**			



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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
MFHLO		D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
MFHLO - 25 M12-104T Z02	VRT2883	25	12,5	23	30	M12	**2**	**LO.. 10**	VRT 05 M3x8	T10
MFHLO - 32 M16-104T Z03	VRT2884	32	17	29	40	M16	**3**			
MFHLO - 40 M16-104T Z04	VRT2885	40	17	29	40	M16	**4**			

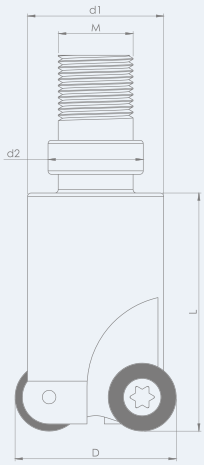


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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)					KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
MFHSO		D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY		BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
MFHSO - 32 M16-104T Z03	VRT2886	32	17	29	40	M16	**3**	**SO.. 10**	VRT 06 M3,5x9	T15
MFHSO - 40 M16-104T Z04	VRT2887	40	17	29	40	M16	**4**			



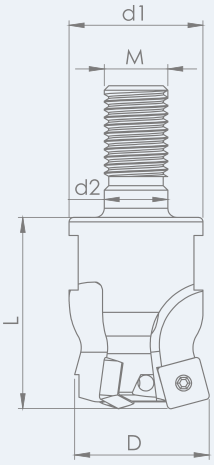


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VMF RD10

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY	KESİCİ UÇ INSERT	BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
VMF RD10 - 25 H M12 Z03	VRT2896	25	12,5	22	30	M12	3	RD.. 1003	VRT 06 M3,5x9	T15
VMF RD10 - 30 H M16 Z04	VRT2897	30	17	27	40	M16	4			
VMF RD10 - 35 H M16 Z04	VRT2898	35	17	27	40	M16	4			





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VMF SD09

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm) D	d2	d1	L	M	KESİCİ UÇ ADET INSERT QTY	KESİCİ UÇ INSERT	BASKI VİDASI SPRING	ANAHTAR ALLEN KEY
VMF SD09 - 25 H M12 Z02	VRT2899	25	12,5	22	30	M12	2	SD.. 09T3	VRT 06 M3,5x9	T15
VMF SD09 - 32 H M16 Z02	VRT2900	32	17	27	40	M16	2			
VMF SD09 - 40 H M16 Z04	VRT2901	40	17	27	40	M16	4			

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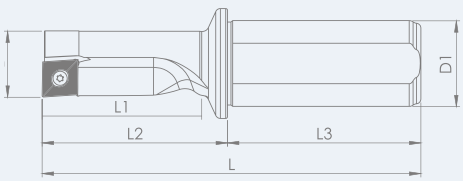
DELİK DELME VE TORNALAMA

HOLE DRILLAND LATHE

NEW COATING TECHNOLOGY



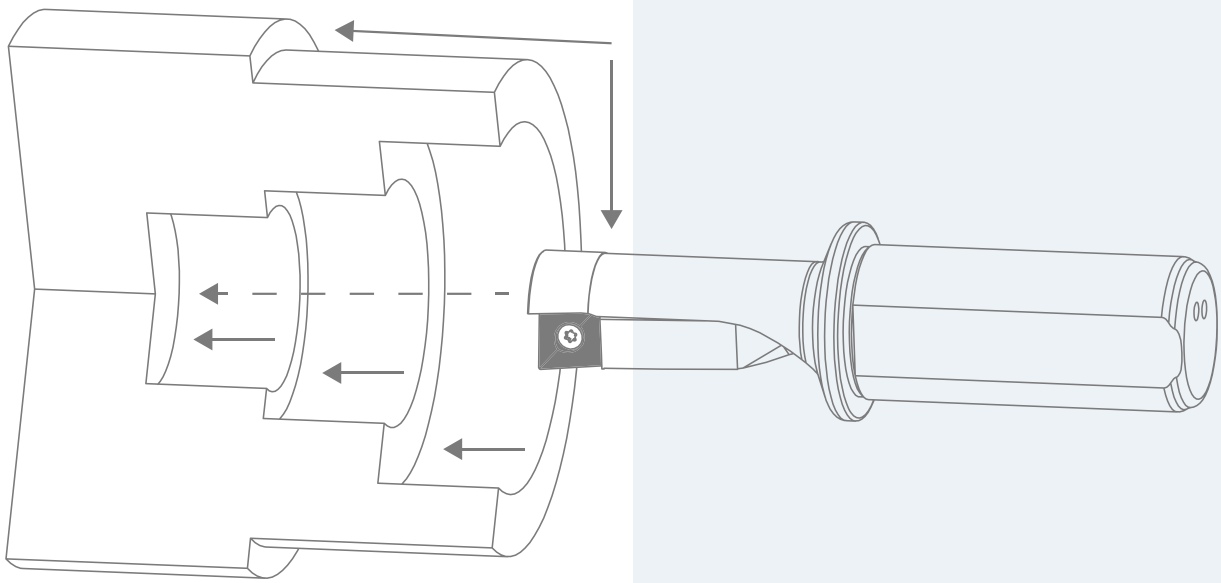


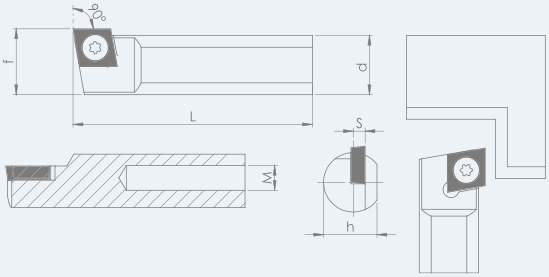




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BTMT		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTMT - 10Rx2,25D	VRT2902	72	22,5	30	42	10	12	16	**XC.. 030204**	VRT 01 M2x5	T06
BTMT - 12Rx2,25D	VRT2903	78	27	33	45	12	16	20	**XC.. 060304**	VRT 02 M2,2x5	T06
BTMT - 14Rx2,25D	VRT2904	83	31,5	38	45	14	16	20	**XC.. 070304**	VRT 03 M2,5x5	T08
BTMT - 16Rx2,25D	VRT2905	94	36	44	50	16	20	25	**XC.. 080304**	VRT 05 M3x6	T10
BTMT - 20Rx2,25D	VRT2906	111	45	55	56	20	25	32	**XC.. 10T304**	VRT 06 M3,5x9	T15
BTMT - 25Rx2,25D	VRT2907	129	56,5	69	60	25	32	40	**XC.. 130404**	VRT10 M4,5x10	T20





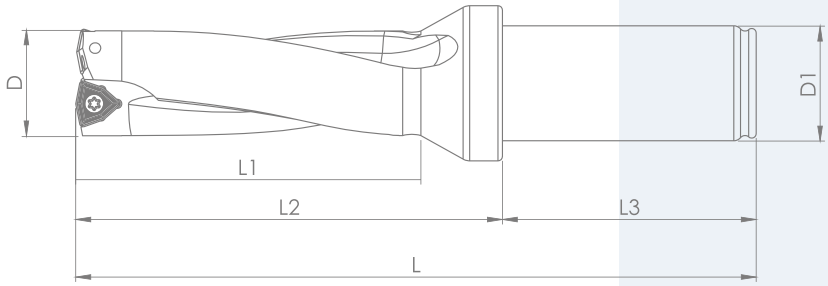


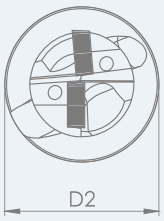
TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE		KATER ÖLÇÜLERİ DIMENSIONS (mm)						KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS	
SCGCR 90°	Sol Left	Sağ Right	d	h	L	S	f	M		BASKI VIDASI SPRING	ANAHTAR ALLEN KEY	
S10A - SCGCR/L - 06	VRT3506	VRT2908	10	9	32	1	10	M5				
S10B - SCGCR/L - 06	VRT3507	VRT2909	10	9	40	1	10	M5				
S10C - SCGCR/L - 06	VRT3508	VRT2910	10	9	50	1	10	M5				
S12A - SCGCR/L - 06	VRT3509	VRT2911	12	11	32	1	12	M5	**CC.. 0602**	VRT 04 M2,5x7	T08	
S12B - SCGCR/L - 06	VRT3510	VRT2912	12	11	40	1	12	M5				
S12C - SCGCR/L - 06	VRT3511	VRT2913	12	11	50	1	12	M5				
S16A - SCGCR/L - 09	VRT3512	VRT2914	16	16	32	2	16	M6x1				
S16B - SCGCR/L - 09	VRT3513	VRT2915	16	16	40	2	16	M6x1				
S16C - SCGCR/L - 09	VRT3514	VRT2916	16	16	50	2	16	M6x1	**CC.. 09T3**	VRT 06 M3,5x9	T15	
S16D - SCGCR/L - 09	VRT3514	VRT2916	16	16	60	2	16	M6x1				







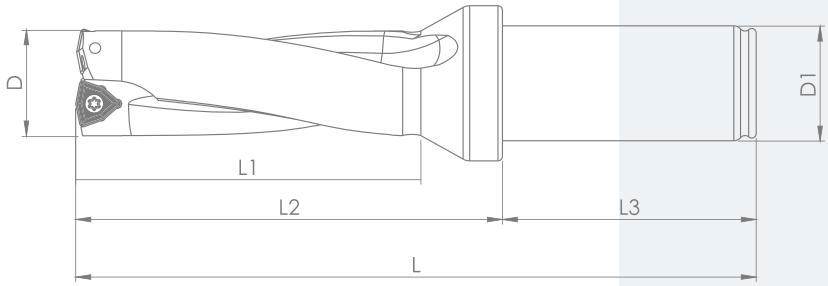


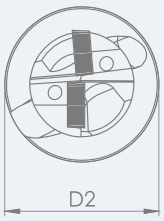
TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BTDR 2D WCM		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 2Dx16	VRU2938	108	32	52	56	16	25	34			
BTDR - 2Dx16,5	VRU2939	108	32	52	56	16,5	25	34			
BTDR - 2Dx17	VRU2940	110	34	54	56	17	25	34			
BTDR - 2Dx17,5	VRU2941	110	34	54	56	17,5	25	34	**WCM.. 030208**	VRT 02 M2,5x5	T08
BTDR - 20x18	VRU2942	112	36	56	56	18	25	34			
BTDR - 2Dx18,5	VRU2943	112	36	56	56	18,5	25	34			
BTDR - 2Dx19	VRU2944	114	38	58	56	19	25	34			
BTDR - 2Dx19,5	VRU2945	114	38	58	56	19,5	25	34			
BTDR - 2Dx20	VRU2946	116	40	60	56	20	25	34			
BTDR - 2Dx20,5	VRU2947	116	40	60	56	20,5	25	34			
BTDR - 2Dx21	VRU2948	118	42	62	56	21	25	34			
BTDR - 2Dx21,5	VRU2949	118	42	62	56	21,5	25	34	**WCM.. 040208**	VRT 02 M2,5x5	T08
BTDR - 2Dx22	VRU2950	120	44	64	56	22	25	34			
BTDR - 2Dx22,5	VRU2951	120	44	64	56	22,5	25	34			
BTDR - 2Dx23	VRU2952	122	46	66	56	23	25	34			
BTDR - 2Dx23,5	VRU2953	122	46	66	56	23,5	25	34			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 2D WCM		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 2Dx24	VRU2954	124	48	68	56	24	25	34			
BTDR - 2Dx24,5	VRU2955	124	48	68	56	24,5	25	34			
BTDR - 2Dx25	VRU2956	126	50	70	56	25	25	34			
BTDR - 2Dx25,5	VRU2957	126	50	70	56	25,5	25	34			
BTDR - 2Dx26	VRU2958	128	52	72	56	26	25	34			
BTDR - 2Dx26,5	VRU2959	128	52	72	56	26,5	25	34	**WCM.. 050308**	VRT 05 M3x8	T10
BTDR - 2Dx27	VRU2960	130	54	74	56	27	25	34			
BTDR - 2Dx27,5	VRU2961	130	54	74	56	27,5	25	34			
BTDR - 2Dx28	VRU2962	132	56	76	56	28	25	34			
BTDR - 2Dx28,5	VRU2963	132	56	76	56	28,5	25	34			
BTDR - 2Dx29	VRU2964	134	58	78	56	29	25	34			
BTDR - 2Dx29,5	VRU2965	134	58	78	56	29,5	25	34			
BTDR - 2Dx30	VRU2966	145	60	85	60	30	32	44			
BTDR - 2Dx31	VRU2967	147	62	87	60	31	32	44			
BTDR - 2Dx32	VRU2968	149	64	89	60	32	32	44			
BTDR - 2Dx33	VRU2969	151	66	91	60	33	32	44			
BTDR - 2Dx34	VRU2970	153	68	93	60	34	32	44			
BTDR - 2Dx35	VRU2971	155	70	95	60	35	32	44			
BTDR - 2Dx36	VRU2972	157	72	97	60	36	32	44			
BTDR - 2Dx37	VRU2973	159	74	99	60	37	32	44	**WCM.. 06T308**	VRT 06 M3,5x9	T15
BTDR - 2Dx38	VRU2974	161	76	101	60	38	32	44			
BTDR - 2Dx39	VRU2975	163	78	103	60	39	32	44			
BTDR - 2Dx40	VRU2976	165	80	105	60	40	32	44			
BTDR - 2Dx41	VRU2977	167	82	107	60	41	32	44			
BTDR - 2Dx42	VRU2978	169	84	109	60	42	32	44			
BTDR - 2Dx43	VRU2979	171	86	111	60	43	32	44			
BTDR - 2Dx44	VRU2980	173	88	113	60	44	32	44			
BTDR - 2Dx45	VRU2981	190	90	120	70	45	40	54			
BTDR - 2Dx46	VRU2982	192	92	122	70	46	40	54			
BTDR - 2Dx47	VRU2983	194	94	124	70	47	40	54			
BTDR - 2Dx48	VRU2984	196	96	126	70	48	40	54			
BTDR - 2Dx49	VRU2985	198	98	128	70	49	40	54			
BTDR - 2Dx50	VRU2986	200	100	130	70	50	40	54			
BTDR - 2Dx51	VRU2987	202	102	132	70	51	40	54			
BTDR - 2Dx52	VRU2988	204	104	134	70	52	40	54	**WCM.. 080412**	VRT 09 M4x11	T15
BTDR - 2Dx53	VRU2989	206	106	136	70	53	40	54			
BTDR - 2Dx54	VRU2990	208	108	138	70	54	40	54			
BTDR - 2Dx55	VRU2991	210	110	140	70	55	40	54			
BTDR - 2Dx56	VRU2992	212	112	142	70	56	40	64			
BTDR - 2Dx57	VRU2993	214	114	144	70	57	40	64			
BTDR - 2Dx58	VRU2994	216	116	146	70	58	40	64			
BTDR - 2Dx59	VRU2995	218	118	148	70	59	40	64			
BTDR - 2Dx60	VRU2996	220	120	150	70	60	40	64			







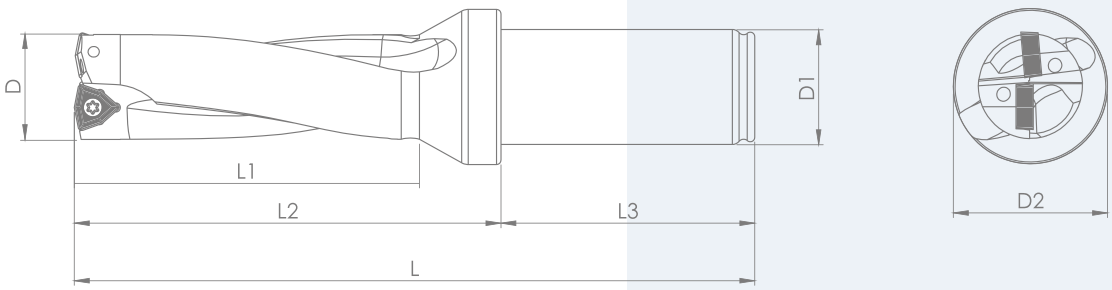
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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BTDR 3D WCM		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 3Dx16	VRU2997	124	48	68	56	16	25	34			
BTDR - 3Dx16,5	VRU2998	124	48	68	56	16,5	25	34			
BTDR - 3Dx17	VRU2999	127	51	71	56	17	25	34			
BTDR - 3Dx17,5	VRU3000	127	51	71	56	17,5	25	34	WCM.. 03 02 08	VRT 02 M2,5x5	T08
BTDR - 3Dx18	VRU3001	130	54	74	56	18	25	34			
BTDR - 3Dx18,5	VRU3002	130	54	74	56	18,5	25	34			
BTDR - 3Dx19	VRU3003	133	57	77	56	19	25	34			
BTDR - 3Dx19,5	VRU3004	133	57	77	56	19,5	25	34			
BTDR - 3Dx20	VRU3005	136	60	80	56	20	25	34			
BTDR - 3Dx20,5	VRU3006	136	60	80	56	20,5	25	34			
BTDR - 3Dx21	VRU3007	139	63	83	56	21	25	34			
BTDR - 3Dx21,5	VRU3008	139	63	83	56	21,5	25	34	WCM.. 04 02 08	VRT 02 M2,5x5	T08
BTDR - 3Dx22	VRU3009	142	66	86	56	22	25	34			
BTDR - 3Dx22,5	VRU3010	142	66	86	56	22,5	25	34			
BTDR - 3Dx23	VRU3011	145	69	89	56	23	25	34			
BTDR - 3Dx23,5	VRU3012	145	69	89	56	23,5	25	34			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 3D WCM		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 3Dx24	VRU3013	148	72	92	56	24	25	34			
BTDR - 3Dx24,5	VRU3014	148	72	92	56	24,5	25	34			
BTDR - 3Dx25	VRU3015	151	75	95	56	25	25	34			
BTDR - 3Dx25,5	VRU3016	151	75	95	56	25,5	25	34			
BTDR - 3Dx26	VRU3017	154	78	98	56	26	25	34			
BTDR - 3Dx26,5	VRU3018	154	78	98	56	26,5	25	34	WCM.. 05 03 08	VRT 05 M3x8	T10
BTDR - 3Dx27	VRU3019	157	81	101	56	27	25	34			
BTDR - 3Dx27,5	VRU3020	157	81	101	56	27,5	25	34			
BTDR - 3Dx28	VRU3021	160	84	104	56	28	25	34			
BTDR - 3Dx28,5	VRU3022	160	84	104	56	28,5	25	34			
BTDR - 3Dx29	VRU3023	163	87	107	56	29	25	34			
BTDR - 3Dx29,5	VRU3024	163	87	107	56	29,5	25	34			
BTDR - 3Dx30	VRU3025	171	90	115	56	30	32	44			
BTDR - 3Dx30,5	VRU3246	171	90	115	56	30,5	32	44			
BTDR - 3Dx31	VRU3026	178	93	118	60	31	32	44			
BTDR - 3Dx31,5	VRU3247	178	93	118	60	31,5	32	44			
BTDR - 3Dx32	VRU3027	181	96	121	60	32	32	44			
BTDR - 3Dx32,5	VRU3248	181	96	121	60	32,5	32	44			
BTDR - 3Dx33	VRU3028	184	99	124	60	33	32	44			
BTDR - 3Dx33,5	VRU3249	184	99	124	60	33,5	32	44			
BTDR - 3Dx34	VRU3029	187	102	127	60	34	32	44			
BTDR - 3Dx34,5	VRU3250	187	102	127	60	34,5	32	44			
BTDR - 3Dx35	VRU3030	190	105	130	60	35	32	44			
BTDR - 3Dx35,5	VRU3251	190	105	130	60	35,5	32	44			
BTDR - 3Dx36	VRU3031	193	108	133	60	36	32	44			
BTDR - 3Dx36,5	VRU3252	193	108	133	60	36,5	32	44			
BTDR - 3Dx37	VRU3032	196	111	136	60	37	32	44	WCM.. 06 T3 08	VRT 06 M3,5x9	T15
BTDR - 3Dx37,5	VRU3253	196	111	136	60	37,5	32	44			
BTDR - 3Dx38	VRU3033	199	114	139	60	38	32	44			
BTDR - 3Dx38,5	VRU3254	199	114	139	60	38,5	32	44			
BTDR - 3Dx39	VRU3034	201	117	141	60	39	32	44			
BTDR - 3Dx39,5	VRU3255	201	117	141	60	39,5	32	44			
BTDR - 3Dx40	VRU3035	204	120	144	60	40	32	44			
BTDR - 3Dx40,5	VRU3256	204	120	144	60	40,5	32	44			
BTDR - 3Dx41	VRU3036	207	123	147	60	41	32	44			
BTDR - 3Dx41,5	VRU3257	207	123	147	60	41,5	32	44			
BTDR - 3Dx42	VRU3037	210	126	150	60	42	32	44			
BTDR - 3Dx42,5	VRU3258	210	126	150	60	42,5	32	44			
BTDR - 3Dx43	VRU3038	213	129	153	60	43	32	44			
BTDR - 3Dx43,5	VRU3259	213	129	153	60	43,5	32	44			
BTDR - 3Dx44	VRU3039	216	132	156	60	44	32	44			
BTDR - 3Dx44,5	VRU3260	216	132	156	60	44,5	32	44			
BTDR - 3Dx45	VRU3040	234	135	164	70	45	40	54			
BTDR - 3Dx45,5	VRU3261	234	135	164	70	45	40	54			
BTDR - 3Dx46	VRU3041	237	138	167	70	46	40	54			
BTDR - 3Dx47	VRU3042	240	141	170	70	47	40	54			
BTDR - 3Dx48	VRU3043	243	144	173	70	48	40	54			
BTDR - 3Dx49	VRU3044	246	147	176	70	49	40	54			
BTDR - 3Dx50	VRU3045	249	150	179	70	50	40	54			
BTDR - 3Dx51	VRU3046	252	153	182	70	51	40	54			
BTDR - 3Dx52	VRU3047	255	156	185	70	52	40	54	WCM.. 08 04 12	VRT 09 M4x11	T15
BTDR - 3Dx53	VRU3048	258	159	188	70	53	40	54			
BTDR - 3Dx54	VRU3049	261	162	191	70	54	40	54			
BTDR - 3Dx55	VRU3050	264	165	194	70	55	40	54			
BTDR - 3Dx56	VRU3051	267	168	197	70	56	40	64			
BTDR - 3Dx57	VRU3052	270	171	200	70	57	40	64			
BTDR - 3Dx58	VRU3053	273	174	203	70	58	40	64			
BTDR - 3Dx59	VRU3054	276	177	206	70	59	40	64			
BTDR - 3Dx60	VRU3055	279	180	209	70	60	40	64			



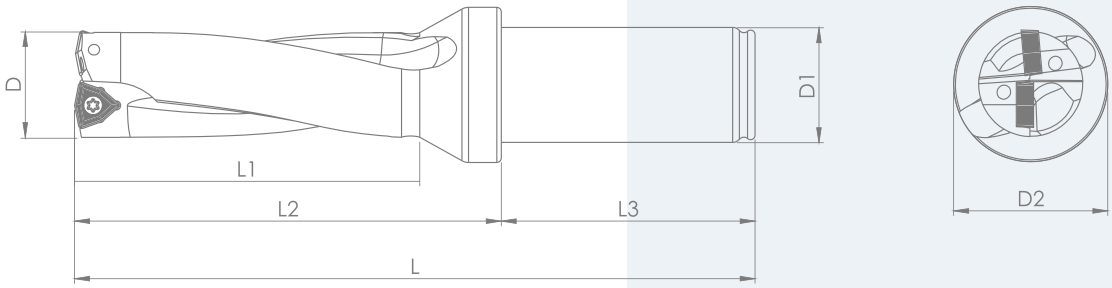
TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BTDR 4D WCM		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 4Dx16	VRU3056	140	64	84	56	16	25	34			
BTDR - 4Dx16,5	VRU3057	140	64	84	56	16,5	25	34			
BTDR - 4Dx17	VRU3058	144	68	88	56	17	25	34			
BTDR - 4Dx17,5	VRU3059	144	68	88	56	17,5	25	34	**WCM.. 030208**	VRT 02 M2,5x5	T08
BTDR - 4Dx18	VRU3060	148	72	92	56	18	25	34			
BTDR - 4Dx18,5	VRU3061	148	72	92	56	18,5	25	34			
BTDR - 4Dx19	VRU3062	152	76	96	56	19	25	34			
BTDR - 4Dx19,5	VRU3063	152	76	96	56	19,5	25	34			
BTDR - 4Dx20	VRU3064	156	80	100	56	20	25	34			
BTDR - 4Dx20,5	VRU3065	156	80	100	56	20,5	25	34			
BTDR - 4Dx21	VRU3066	160	84	104	56	21	25	34			
BTDR - 4Dx21,5	VRU3067	160	84	104	56	21,5	25	34	**WCM.. 040208**	VRT 02 M2,5x5	T08
BTDR - 4Dx22	VRU3068	164	88	108	56	22	25	34			
BTDR - 4Dx22,5	VRU3069	164	88	108	56	22,5	25	34			
BTDR - 4Dx23	VRU3070	168	92	112	56	23	25	34			
BTDR - 4Dx23,5	VRU3071	168	92	112	56	23,5	25	34			
BTDR - 4Dx24	VRU3072	172	96	116	56	24	25	44			
BTDR - 4Dx24,5	VRU3073	172	96	116	56	24,5	25	44			
BTDR - 4Dx25	VRU3074	176	100	120	56	25	25	44			
BTDR - 4Dx25,5	VRU3075	176	100	120	56	25,5	25	44			
BTDR - 4Dx26	VRU3076	180	104	124	56	26	25	44			
BTDR - 4Dx26,5	VRU3077	180	104	124	56	26,5	25	44	**WCM.. 050308**	VRT 05 M3x8	T10
BTDR - 4Dx27	VRU3078	184	108	128	56	27	25	44			
BTDR - 4Dx27,5	VRU3079	184	108	128	56	27,5	25	44			
BTDR - 4Dx28	VRU3080	188	112	132	56	28	25	44			
BTDR - 4Dx28,5	VRU3081	188	112	132	56	28,5	25	44			
BTDR - 4Dx29	VRU3082	192	116	136	56	29	25	44			
BTDR - 4Dx29,5	VRU3083	192	116	136	56	29,5	25	44			
BTDR - 4Dx30	VRU3084	205	120	145	60	30	32	44			
BTDR - 4Dx31	VRU3085	209	124	149	60	31	32	44			
BTDR - 4Dx32	VRU3086	213	128	153	60	32	32	44			
BTDR - 4Dx33	VRU3087	217	132	157	60	33	32	44			
BTDR - 4Dx34	VRU3088	221	136	161	60	34	32	44			
BTDR - 4Dx35	VRU3089	225	140	165	60	35	32	44			
BTDR - 4Dx36	VRU3090	229	144	169	60	36	32	44			
BTDR - 4Dx37	VRU3091	233	148	173	60	37	32	44	**WCM.. 06T308**	VRT 06 M3,5x9	T15
BTDR - 4Dx38	VRU3092	237	152	177	60	38	32	44			
BTDR - 4Dx39	VRU3093	241	156	181	60	39	32	44			
BTDR - 4Dx40	VRU3094	245	160	185	60	40	32	44			
BTDR - 4Dx41	VRU3095	249	164	189	60	41	32	44			
BTDR - 4Dx42	VRU3096	253	168	193	60	42	32	44			
BTDR - 4Dx43	VRU3097	257	172	197	60	43	32	44			
BTDR - 4Dx44	VRU3098	261	176	201	60	44	32	44			
BTDR - 4Dx45	VRU3262	280	180	210	70	45	40	54			
BTDR - 4Dx46	VRU3263	284	184	214	70	46	40	54			
BTDR - 4Dx47	VRU3264	288	188	218	70	47	40	54	**WCM.. 080412**	VRT 09 M4x11	T15
BTDR - 4Dx48	VRU3265	292	192	222	70	48	40	54			
BTDR - 4Dx49	VRU3266	296	196	226	70	49	40	54			
BTDR - 4Dx50	VRU3267	300	200	230	70	50	40	54			

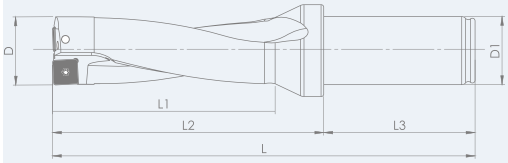


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 5D WCM		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 5Dx16	VRU3099	156	80	100	56	16	25	34			
BTDR - 5Dx17	VRU3100	161	85	105	56	17	25	34	**WCM.. 030208**	VRT 02 M2,5x5	T08
BTDR - 5Dx18	VRU3101	166	90	110	56	18	25	34			
BTDR - 5Dx19	VRU3102	171	95	115	56	19	25	34			
BTDR - 5Dx20	VRU3103	176	100	120	56	20	25	34			
BTDR - 5Dx21	VRU3104	181	105	125	56	21	25	34	**WCM.. 040208**	VRT 02 M2,5x5	T08
BTDR - 5Dx22	VRU3105	186	110	130	56	22	25	34			
BTDR - 5Dx23	VRU3106	191	115	135	56	23	25	34			
BTDR - 5Dx24	VRU3107	196	120	140	56	24	25	34			
BTDR - 5Dx25	VRU3108	201	125	145	56	25	25	34			
BTDR - 5Dx26	VRU3109	206	130	150	56	26	25	34	**WCM.. 050308**	VRT 05 M3x8	T10
BTDR - 5Dx27	VRU3110	211	135	155	56	27	25	34			
BTDR - 5Dx28	VRU3111	216	140	160	56	28	25	34			
BTDR - 5Dx29	VRU3112	221	145	165	56	29	25	34			
BTDR - 5Dx30	VRU3113	235	150	175	60	30	32	44			
BTDR - 5Dx31	VRU3114	240	155	180	60	31	32	44			
BTDR - 5Dx32	VRU3115	245	160	185	60	32	32	44			
BTDR - 5Dx33	VRU3116	250	165	190	60	33	32	44			
BTDR - 5Dx34	VRU3117	255	170	195	60	34	32	44	**WCM.. 06T308**	VRT 06 M3,5x9	T15
BTDR - 5Dx35	VRU3239	260	175	200	60	35	32	44			
BTDR - 5Dx36	VRU3240	265	180	205	60	36	32	44			
BTDR - 5Dx37	VRU3241	270	185	210	60	37	32	44			
BTDR - 5Dx38	VRU3242	275	190	215	60	38	32	44			



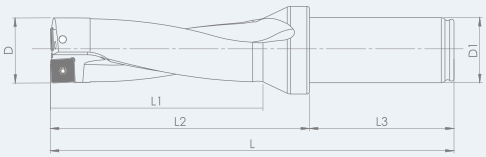


TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	TAKIM ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
BTDR 2D SPMG		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 2Dx13	VRU3118	96	26	46	50	13	20	25			
BTDR - 2Dx13,5	VRU3119	96	26	46	50	13,5	20	25			
BTDR - 2Dx14	VRU3120	98	28	48	50	14	20	25	**SP.. 050204**	VRT 01 M2x5	T06
BTDR - 2Dx14,5	VRU3121	98	28	48	50	14,5	20	25			
BTDR - 2Dx15	VRU3122	100	30	50	50	15	20	25			
BTDR - 2Dx15,5	VRU3123	100	30	50	50	15,5	20	25			
BTDR - 2Dx16	VRU3124	108	32	52	56	16	25	34			
BTDR - 2Dx16,5	VRU3125	108	32	52	56	16,5	25	34			
BTDR - 2Dx17	VRU3126	110	34	54	56	17	25	34			
BTDR - 2Dx17,5	VRU3127	110	34	54	56	17,5	25	34			
BTDR - 2Dx18	VRU3128	112	36	56	56	18	25	34			
BTDR - 2Dx18,5	VRU3129	112	36	56	56	18,5	25	34	**SP.. 060204**	VRT 02 M2,2x5	T06
BTDR - 2Dx19	VRU3130	114	38	58	56	19	25	34			
BTDR - 2Dx19,5	VRU3131	114	38	58	56	19,5	25	34			
BTDR - 2Dx20	VRU3132	116	40	60	56	20	25	34			
BTDR - 2Dx20,5	VRU3133	116	40	60	56	20,5	25	34			
BTDR - 2Dx21	VRU3134	118	42	62	56	21	25	34			
BTDR - 2Dx21,5	VRU3135	118	42	62	56	21,5	25	34			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 2D SPMG		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 2Dx22	VRU3136	120	44	64	56	22	25	34			
BTDR - 2Dx22,5	VRU3137	120	44	64	56	22,5	25	34			
BTDR - 2Dx23	VRU3138	122	46	66	56	23	25	34			
BTDR - 2Dx23,5	VRU3139	122	46	66	56	23,5	25	34			
BTDR - 2Dx24	VRU3140	124	48	68	56	24	25	34			
BTDR - 2Dx24,5	VRU3141	124	48	68	56	24,5	25	34	**SP..** **07T0308**	VRT 03 M2,5x5	T08
BTDR - 2Dx25	VRU3142	126	50	70	56	25	25	34			
BTDR - 2Dx25,5	VRU3143	126	50	70	56	25,5	25	34			
BTDR - 2Dx26	VRU3144	128	52	72	56	26	25	34			
BTDR - 2Dx26,5	VRU3145	128	52	72	56	26,5	25	34			
BTDR - 2Dx27	VRU3146	130	54	74	56	27	25	34			
BTDR - 2Dx27,5	VRU3147	130	54	74	56	27,5	25	34			
BTDR - 2Dx28	VRU3148	132	56	76	56	28	25	34			
BTDR - 2Dx28,5	VRU3149	132	56	76	56	28,5	25	34			
BTDR - 2Dx29	VRU3150	134	58	78	56	29	25	34			
BTDR - 2Dx29,5	VRU3151	134	58	78	56	29,5	25	34	**SP..** **090408**	VRT 06 M3,5x9	T15
BTDR - 2Dx30	VRU3152	145	60	85	60	30	32	44			
BTDR - 2Dx31	VRU3153	147	62	87	60	31	32	44			
BTDR - 2Dx32	VRU3154	149	64	89	60	32	32	44			
BTDR - 2Dx33	VRU3155	151	66	91	60	33	32	44			
BTDR - 2Dx34	VRU3156	153	68	93	60	34	32	44			
BTDR - 2Dx35	VRU3157	155	70	95	60	35	32	44			
BTDR - 2Dx36	VRU3158	157	72	97	60	36	32	44			
BTDR - 2Dx37	VRU3159	159	74	99	60	37	32	44	**SP..** **110408**	VRT 09 M4x11	T15
BTDR - 2Dx38	VRU3160	161	76	101	60	38	32	44			
BTDR - 2Dx39	VRU3161	163	78	103	60	39	32	44			
BTDR - 2Dx40	VRU3162	165	80	105	60	40	32	44			
BTDR - 2Dx41	VRU3163	167	82	107	60	41	32	44			
BTDR - 2Dx42	VRU3268	169	84	109	60	43	32	44			
BTDR - 2Dx43	VRU3269	171	86	111	60	44	32	44			
BTDR - 2Dx44	VRU3270	173	88	113	60	45	32	44			
BTDR - 2Dx45	VRU3271	190	90	120	70	46	32	54			
BTDR - 2Dx46	VRU3272	192	92	122	70	47	32	54	**SP..** **140512**	VRT 11 M5x11	T20
BTDR - 2Dx47	VRU3273	194	94	124	70	48	32	54			
BTDR - 2Dx48	VRU3274	196	96	126	70	49	32	54			
BTDR - 2Dx49	VRU3275	198	98	128	70	50	32	54			
BTDR - 2Dx50	VRU3276	200	100	130	70	51	32	54			





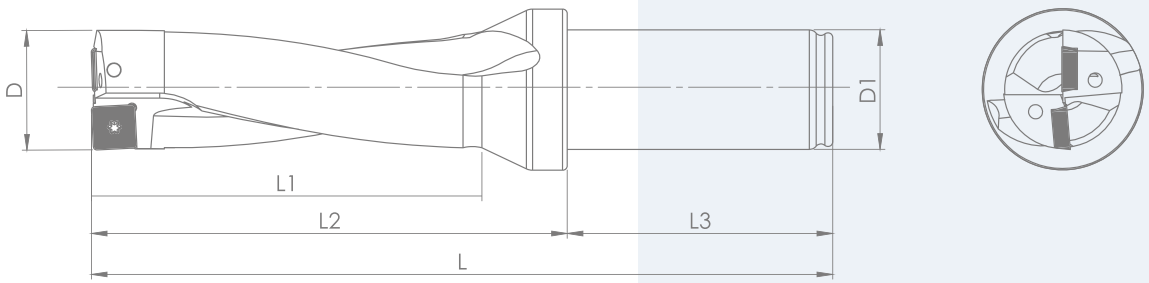
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TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	TAKIM ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 3D SPMG		**L**	**L1**	**L2**	**L3**	**D**	**D1**	**D2**		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 3Dx13	VRU3164	109	39	59	50	13	20	25			
BTDR - 3Dx13,5	VRU3165	109	39	59	50	13,5	20	25			
BTDR - 3Dx14	VRU3166	112	42	62	50	14	20	25	**SP.. 050204**	VRT 01 M2x5	T06
BTDR - 3Dx14,5	VRU3167	112	42	62	50	14,5	20	25			
BTDR - 3Dx15	VRU3168	115	45	65	50	15	20	25			
BTDR - 3Dx15,5	VRU3169	115	45	65	50	15,5	20	25			
BTDR - 3Dx16	VRU3170	124	48	68	56	16	25	3			
BTDR - 3Dx16,5	VRU3171	124	48	68	56	16,5	25	3			
BTDR - 3Dx17	VRU3172	127	51	71	56	17	25	34			
BTDR - 3Dx17,5	VRU3173	127	51	71	56	17,5	25	34			
BTDR - 3Dx18	VRU3174	130	54	74	56	18	25	34			
BTDR - 3Dx18,5	VRU3175	130	54	74	56	18,5	25	34	**SP.. 060204**	VRT 02 M2,2x5	T06
BTDR - 3Dx19	VRU3176	133	57	77	56	19	25	34			
BTDR - 3Dx19,5	VRU3177	133	57	77	56	19,5	25	34			
BTDR - 3Dx20	VRU3178	136	60	80	56	20	25	34			
BTDR - 3Dx20,5	VRU3179	136	60	80	56	20,5	25	34			
BTDR - 3Dx21	VRU3180	139	63	83	56	21	25	34			
BTDR - 3Dx21,5	VRU3181	139	63	83	56	21,5	25	34			

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 3D SPMG		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 3Dx22	VRU3182	142	66	86	56	22	25	34			
BTDR - 3Dx22,5	VRU3183	142	66	86	56	22,5	25	34			
BTDR - 3Dx23	VRU3184	145	69	89	56	23	25	34			
BTDR - 3Dx23,5	VRU3185	145	69	89	56	23,5	25	34			
BTDR - 3Dx24	VRU3186	148	72	92	56	24	25	34			
BTDR - 3Dx24,5	VRU3187	148	72	92	56	24,5	25	34			
BTDR - 3Dx25	VRU3188	151	75	95	56	25	25	34	**SP.. 07T0308**	VRT 03 M2,5x5	T08
BTDR - 3Dx25,5	VRU3189	151	75	95	56	25,5	25	34			
BTDR - 3Dx26	VRU3190	154	78	98	56	26	25	34			
BTDR - 3Dx26,5	VRU3191	154	78	98	56	26,5	25	34			
BTDR - 3Dx27	VRU3192	157	81	101	56	27	25	34			
BTDR - 3Dx27,5	VRU3193	157	81	101	56	27,5	25	34			
BTDR - 3Dx28	VRU3194	160	84	104	56	28	25	34			
BTDR - 3Dx28,5	VRU3195	160	84	104	56	28,5	25	34			
BTDR - 3Dx29	VRU3196	163	87	107	56	29	25	34			
BTDR - 3Dx29,5	VRU3197	163	87	107	56	29,5	25	34			
BTDR - 3Dx30	VRU3198	175	90	115	60	30	32	44	**SP.. 090408**	VRT 06 M3,5x9	T15
BTDR - 3Dx31	VRU3199	178	93	118	60	31	32	44			
BTDR - 3Dx32	VRU3200	181	96	121	60	32	32	44			
BTDR - 3Dx33	VRU3201	184	99	124	60	33	32	44			
BTDR - 3Dx34	VRU3202	187	102	127	60	34	32	44			
BTDR - 3Dx35	VRU3203	190	105	130	60	35	32	44			
BTDR - 3Dx36	VRU3204	193	108	133	60	36	32	44			
BTDR - 3Dx37	VRU3205	196	111	136	60	37	32	44			
BTDR - 3Dx38	VRU3206	199	114	139	60	38	32	44	**SP.. 110408**	VRT 09 M4x11	T15
BTDR - 3Dx39	VRU3207	202	117	142	60	39	32	44			
BTDR - 3Dx40	VRU3208	205	120	145	60	40	32	44			
BTDR - 3Dx41	VRU3209	208	123	148	60	41	32	44			

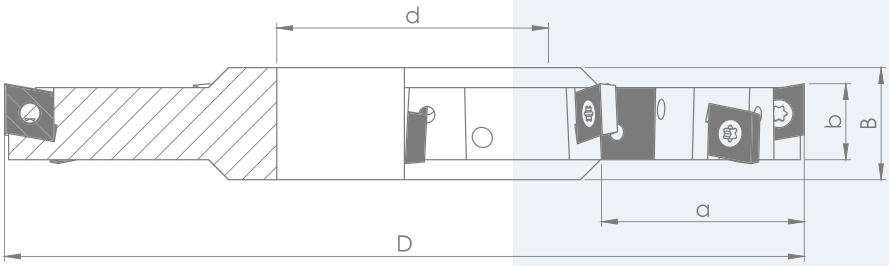


TEKNİK ÇİZİM / TECNHICAL DRAWING



TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	KATER ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
BTDR 4D SPMG		L	L1	L2	L3	D	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
BTDR - 4Dx13	VRU3210	122	52	72	50	13	20	25			
BTDR - 4Dx14	VRU3211	126	56	76	50	14	20	25	SP.. 050204	VRT 01 M2x5	T06
BTDR - 4Dx15	VRU3212	130	60	80	50	15	20	25			
BTDR - 4Dx16	VRU3213	140	64	84	56	16	25	34			
BTDR - 4Dx17	VRU3214	144	68	88	56	17	25	34			
BTDR - 4Dx18	VRU3215	148	72	92	56	18	25	34	SP.. 060204	VRT 02 M2,2x5	T06
BTDR - 4Dx19	VRU3216	152	76	96	56	19	25	34			
BTDR - 4Dx20	VRU3217	156	80	100	56	20	25	34			
BTDR - 4Dx21	VRU3218	160	84	104	56	21	25	34			
BTDR - 4Dx22	VRU3219	164	88	108	56	22	25	34			
BTDR - 4Dx23	VRU3220	168	92	112	56	23	25	34			
BTDR - 4Dx24	VRU3221	172	96	116	56	24	25	34	SP.. 07T308	VRT 03 M2,5x5	T08
BTDR - 4Dx25	VRU3222	176	100	120	56	25	25	34			
BTDR - 4Dx26	VRU3223	180	104	124	56	26	25	34			
BTDR - 4Dx27	VRU3224	184	108	128	56	27	25	34			
BTDR - 4Dx28	VRU3225	188	112	132	56	28	25	34			
BTDR - 4Dx29	VRU3226	192	116	136	56	29	25	34			
BTDR - 4Dx30	VRU3227	205	120	145	60	30	32	44	SP.. 090408	VRT 06 M3,5x9	T15
BTDR - 4Dx31	VRU3228	209	124	149	60	31	32	44			
BTDR - 4Dx32	VRU3229	213	128	153	60	32	32	44			
BTDR - 4Dx33	VRU3230	217	132	157	60	33	32	44			
BTDR - 4Dx34	VRU3231	221	136	161	60	34	32	44			
BTDR - 4Dx35	VRU3232	225	140	165	60	35	32	44			
BTDR - 4Dx36	VRU3233	229	144	169	60	36	32	44			
BTDR - 4Dx37	VRU3234	233	148	173	60	37	32	44	SP.. 110408	VRT 09 M4x11	T15
BTDR - 4Dx38	VRU3235	237	152	177	60	38	32	44			
BTDR - 4Dx39	VRU3236	241	156	181	60	39	32	44			
BTDR - 4Dx40	VRU3237	245	160	185	60	40	32	44			
BTDR - 4Dx41	VRU3238	249	164	189	60	41	32	44			

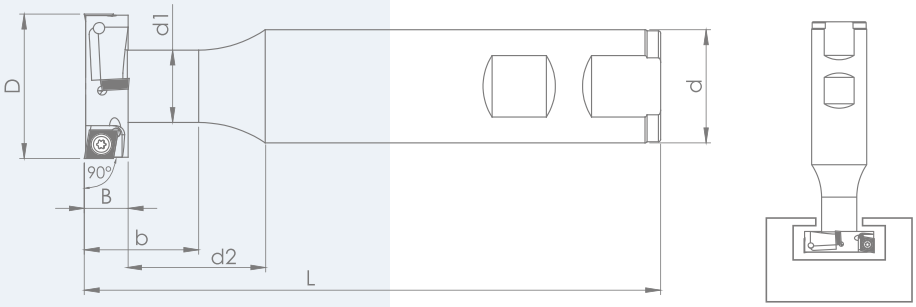




TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	TAKIM ÖLÇÜLERİ DIMENSIONS (mm)							KESİCİ UÇ INSERT		YEDEK PARÇALAR SPARE PARTS
VRDF		Z	Z1	D	b	a	d	B		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
VRDF - D80x8 - d27-Z10	VRT2917	10	5	80	8	17	27	12			
VRDF - D100x8 - d32-Z12	VRT2918	12	6	100	8	25	32	12			
VRDF - D125x8 - d40-Z14	VRT2919	14	7	125	8	35	40	12	**CC.. 0602**	VRT 04 M2,5x7	T08
VRDF - D80x10 - d27-Z10	VRT2920	10	5	80	10	17	27	14			
VRDF - D100x10 - d32-Z12	VRT2921	12	6	100	10	25	32	14			
VRDF - D125x10 - d40-Z14	VRT2922	14	7	125	10	35	40	14			
VRDF - D80x12 - d27-Z08	VRT2923	8	4	80	12	17	27	16			
VRDF - D100x12 - d32-Z10	VRT2924	10	5	100	12	25	32	16			
VRDF - D125x12 - d40-Z12	VRT2925	12	6	125	12	35	40	16	**CC.. 09T3**	VRT 06 M3,5x9	T15
VRDF - D80x14 - d27-Z08	VRT2926	8	4	80	14	17	27	18			
VRDF - D100x14 - d32-Z10	VRT2927	10	5	100	14	25	32	18			
VRDF - D125x14 - d40-Z12	VRT2928	12	6	125	14	35	40	18			
VRDF - D80x16 - d27-Z06	VRT2929	6	3	80	16	17	27	20			
VRDF - D100x16 - d32-Z08	VRT2930	8	4	100	16	25	32	20			
VRDF - D125x16 - d40-Z10	VRT2931	10	5	125	16	35	40	20			
VRDF - D80x18 - d27-Z06	VRT2932	6	3	80	18	17	27	22			
VRDF - D100x18 - d32-Z08	VRT2933	8	4	100	18	25	32	22	**CC.. 1204**	VRT 10 M4,5x12	T20
VRDF - D125x18 - d40-Z10	VRT2934	10	5	125	18	35	40	22			
VRDF - D80x20 - d27-Z06	VRT2935	6	3	80	20	17	27	24			
VRDF - D100x20 - d32-Z08	VRT2936	8	4	100	20	25	32	24			
VRDF - D125x20 - d40-Z10	VRT2937	10	5	125	20	35	40	24			





TEKNİK ÇİZİM / TECNHICAL DRAWING

TAKIM KODU ORDERING CODE	ÜRÜN KODU PRODUCT CODE	TAKIM ÖLÇÜLERİ DIMENSIONS (mm)								KESİCİ UÇ INSERT	YEDEK PARÇALAR SPARE PARTS	
SPTF		Z	Z1	D	B	d7	L	D1	D2		BASKI VIDASI SPRING 	ANAHTAR ALLEN KEY 
SPTF - D17x8 - d16 - Z02 - L100	VRU3239	2	1	17	8	16	100	10	16			
SPTF - D20x9 - d16 - Z04 - L100	VRU3240	4	2	20	9	16	100	10	16	**CC.. 0602**	VRT 04 M2,5x7	T08
SPTF - D25x11 - d20 - Z04 - L100	VRU3241	4	2	25	11	25	100	13	20			
SPTF - D32x12 - d25 - Z04 - L100	VRU3242	4	2	32	12	25	100	16	25			
SPTF - D35x15 - d25 - Z04 - L100	VRU3243	4	2	35	15	25	100	17	30	**CC.. 09T3**	VRT 06 M3,5x9	T15
SPTF - D40x17 - d32 - Z04 - L120	VRU3244	4	2	40	17	32	120	19	30			
SPTF - D50x22 - d32 - Z04 - L120	VRU3245	4	2	50	22	32	120	25	45	**CC.. 1204**	VRT 10 M4,5x12	T20
SPTF - D52x21 - d32 - Z04 - L120	VRU3246	4	2	52	21	32	120	25	45			

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YEDEK PARÇALAR

SPARE PARTS



BASKI PAPUÇLARI / WEDGE CLAMP

ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VDP 01	D SİSTEM İÇİN	DNMG 11, WNMG 06, TNMG 16	
VDP 02	D SİSTEM İÇİN	TNMG22, DNMG 15, CNMG 12, SNMG12, WNM 08,	
VDP 03	D SİSTEM İÇİN	VNMG 16	
VDP 04	D SİSTEM İÇİN	CNMG16, SNMG 15	
VDP 05	D SİSTEM İÇİN	CNMG 19, SNG 19	
VMP 01	M SİSTEM İÇİN	WNMG 06	
VMP02	M SİSTEM İÇİN	WNMG 08	
VMP 03	M SİSTEM İÇİN	TNMG 16	
VMP 04	M SİSTEM İÇİN	TNMG 22	
VCP 01	C SİSTEM İÇİN	KNUX-R (ORGİNAL)	
VCP 02	C SİSTEM İÇİN	KNUX-L (ORJİNAL)	
VCP 03	C SİSTEM İÇİN	154.91, IR 16, ER 16, IR 22, ER 22, TPKN 16	
VCP 04	C SİSTEM İÇİN	TPKN 22	
VCP 05	C SİSTEM İÇİN	KNUX-R	
VCP 06	C SİSTEM İÇİN	KNUX-L	
VCP 07	C SİSTEM İÇİN	SERAMİK CNGN, SNGM, DNGN	
VKP 01	BKT-R390 İÇİN	R390 HRN	
VSP 01	SPKN TAR. İÇİN	SPKN SET	

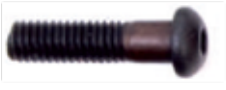
ALTLIKLAR / SHIMS

ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VRTC 16	S SİSTEM İÇİN	TCMT 16	
VRTN 16	D SİSTEM İÇİN M SİSTEM İÇİN	TNMG 16	
VRTN 22	D SİSTEM İÇİN M SİSTEM İÇİN	TNMG 22	
VRTN 2202	S25S M SİSTEM İÇİN	TNMG 22	
VRIR 16	VİDA 16 ALTLIK	IR 16, ER 16	
VRIR 22	VİDA 22 ALTLIK	IR 22, ER 22	
VRCM 09	S SİSTEM İÇİN	CCMT 09	
VRCN 12	D SİSTEM İÇİN C SİSTEM İÇİN	CNMG 12, CNGN 12	
VRCN 16	D SİSTEM İÇİN	CNMG 16	
VRCN 19	D SİSTEM İÇİN	CNMG 19	
VRWN 08	D SİSTEM İÇİN M SİSTEM İÇİN	WNMG 08	
VRKN 16L	C SİSTEM İÇİN	KNUX-L 16	
VRKN 16R	C SİSTEM İÇİN	KNUX-R 16	
VRSC 12	S SİSTEM İÇİN	SCMT 12	
VRSN 12	D SİSTEM İÇİN C SİSTEM İÇİN	SNMG 12, SNMN 12	
VRTP 22	TP 22 TAR. İÇİN	TPKN 22	

ALTLIKLAR / SHIMS

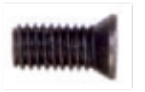
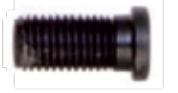
ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VRSN 15	D SİSTEM İÇİN	SNMG 15	
VRSN 19	D SİSTEM İÇİN	SNMG 19	
VRDC 11	S SİSTEM İÇİN D SİSTEM İÇİN	DNMG 11, DCMT 11	
VRDN 15	D SİSTEM İÇİN	DNMG 15	
VRVB 16	S SİSTEM İÇİN D SİSTEM İÇİN	VBMT 16, VCMT 16, VNMG 16	

BASKI PAPUÇ VİDALARI / CLAMP SCREW

ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VRV 01-M5	D SİSTEM İÇİN M SİSTEM İÇİN	DNMG 11, TNMG 16, WNMG 06	
VRV 02-M6	D SİSTEM İÇİN M SİSTEM İÇİN	CNMG 12, TNMG 22, DNMG 15, SNMG 12, TNMG 22, VNMG 16, WNMG 08	
VRV 03-M6	D SİSTEM İÇİN	CNMG 19, SNMG 15, SNMG 19, CNMG 16	
VRV 04-M6	C SİSTEM İÇİN	KNUX 16	
VRV 05-M8	C SİSTEM İÇİN	DNGN, TNGN, SNGN	
VRV 001-M6	TARAMA İÇİN	TPKN 16	
VRV 002-M8	TARAMA İÇİN	TPKN 22	
VRV 003-M8	TARAMA İÇİN	SPKN 12 (SOL)	
VRV 06-M8	KANAL KATERİ İÇİN	JD, HTN, KRY, SD S123, ZCC..	

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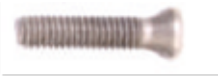
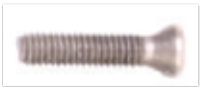
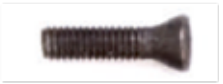
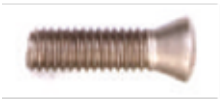
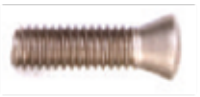
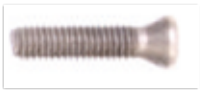
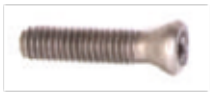
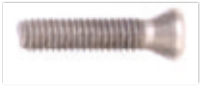
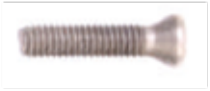
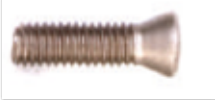
ALTLIK VİDALARI / SHIMS SCREWS

ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VAV 01-M3	C SİSTEM İÇİN	KNUX 16	
VAV 02-M5	D SİSTEM İÇİN	DNMG 15, SNMG 12, TNMG 22, WNMG 08, CNMG 12	
VAV 03-M4	D SİSTEM İÇİN	DNMG 11	
VAV 04-M5	D SİSTEM İÇİN	CNMG 16, SNMG 15	
VAV 05-M6	D SİSTEM İÇİN	CNMG 19, SNMG 19	
VAV 06-M5.05	S SİSTEM İÇİN	VBMT 16, ER 16, IR 16, TCMT 16, CCMT 09, DCMT 11, VCMT 16, BUKSE VİDA 3,5	
VAV 07-M6	S SİSTEM İÇİN	ER 22, SCMT 12, BUKSE VİDA 4,5	
VAV 08-M5	M SİSTEM İÇİN	TNMG 16, WNMG 06	
VAV 09-M5	M SİSTEM İÇİN	S 20, MTUNR 16 İÇİN VİDALI PİM	
VAV 10-M6	M SİSTEM İÇİN	WNMG 08, TNMG 22	
VTP 005	TIRTIR İÇİN		

BASKI YAY / SPRING

ÜRÜN KODU ORDER CODE	ÜRÜN DETAYI DETAILS PRODUCT		ÜRÜN RESMİ PRODUCT OF PICTURE
VRY 01	D SİSTEM İÇİN	WNMG 16, WNMG 08, TNMG 22, DNMG 15, CNMG 12	
VRY 02	C SİSTEM İÇİN	KNUX 16	

YEDEK PARÇALARDA İSKONTO ORANI FARKLIDIR.
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TORX VİDALARI / TORX SCREWS		
ÜRÜN KODU ORDER CODE	**ÜRÜN DETAYI** DETAILS PRODUCT	**ÜRÜN RESMİ** PRODUCT OF PICTURE
VRT 01-M2x5		
VRT 02-M2,2x5		
VRT 03-M2,5x5		
VRT 04-M2,5x5		
VRT 05-M3x8		
VRT 06-M3,5x9		
VRT 07-M3,5x11		
VRT 08-M3,5x16		
VRT 09-M4x11		
VRT 10-M4,5x12		
VRT 11-M4,5x16		
VRT 12-M6x16		

YEDEK PARÇALARDA İSKONTO ORANI FARKLIDIR.
YOU HAVE THE DIFFERENT DISCOUNT ON THE SPARE PARTS.

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KÜRE VİDALARI / BALL SCREW			
ÜRÜN KODU ORDER CODE	**ÜRÜN DETAYI** DETAILS PRODUCT		**ÜRÜN RESMİ** PRODUCT OF PICTURE
VKV 01-M3			
VKV 02-M4			
VKV 03-M5			
VKV 04-M5			
VKV 05-M6			
VKV 06-M8			

ALYAN ANAHTARLARI / ALLEN KEYS			
ÜRÜN KODU ORDER CODE	**ÜRÜN DETAYI** DETAILS PRODUCT		**ÜRÜN RESMİ** PRODUCT OF PICTURE
AA4			
AA3			
AA4			
AA5			
AA6			

YEDEK PARÇALARDA İSKONTO ORANI FARKLIDIR.
YOU HAVE THE DIFFERENT DISCOUNT ON THE SPARE PARTS.

TORX ANAHTARLARI / TORX KEYS			
ÜRÜN KODU ORDER CODE	**ÜRÜN DETAYI** DETAILS PRODUCT		**ÜRÜN RESMİ** PRODUCT OF PICTURE
T 06			
T 08			
T 10			
T 15			
T 20			

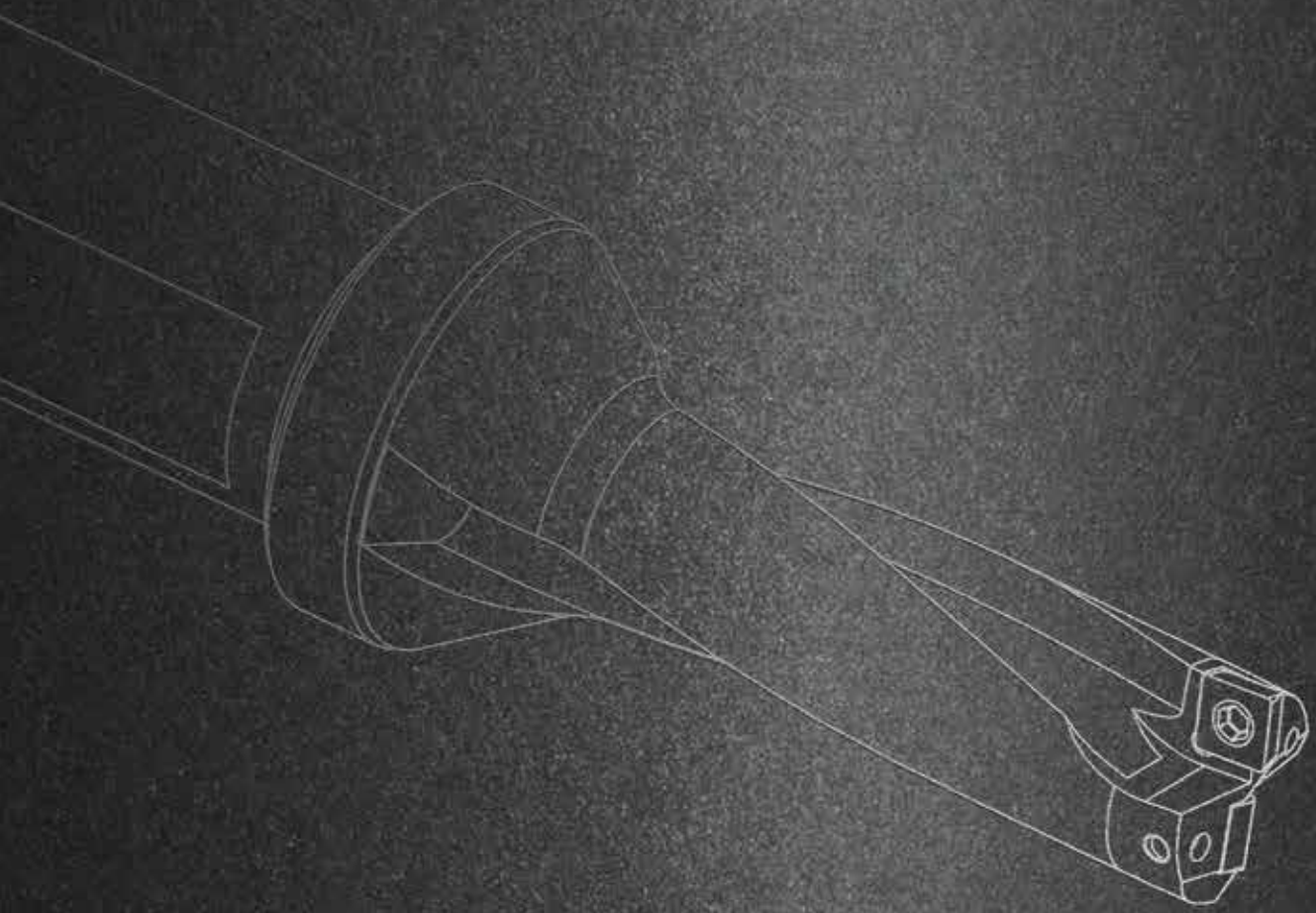
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