






FSTUP

Insertos TP

Acabamento	Leve	Média
FV  (08,09)	SV  (08,09,11,16)	MV  (08,09,11,16)
PCD	CBN	
R/L-F  (08,09,11)	 (08,09,11,16)	

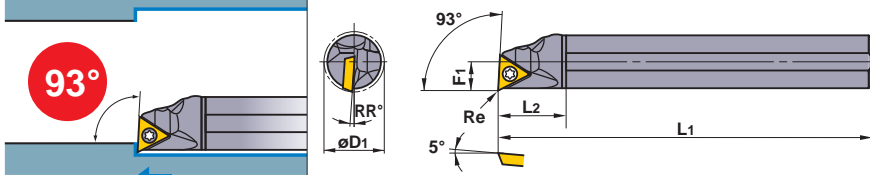






Figura mostra suporte à direita.

Referência para Pedido	Estoque		Referência do Inserto	Dimensões (mm)							Diâmetro Min. de Corte D1 (mm)	Raio da Ponta Standard Re (mm)	Relação l/d Recomendada	Parafuso de Fixação	Chave
	R	L		D4	L1	L2	F1	H1	RR°						
FSTUP1008R/L-08S	★	★	TPGH TPMH NP-TPGB NP-TPMB NP-TPMH	0802	8	125	18	5	7.2	10	10	0.4	-3	TS2D	TKY06F
1210R/L-09S	★	★		0902	10	150	22.5	6	9	8	12	0.4	-3.5	TS25D	TKY08F
1412R/L-09S	★	★		0902	12	150	27	7	11	7	14	0.4	-4	TS25D	TKY08F
1210R/L-11S	★	★		1103	10	150	22.5	6	9	8	12	0.4	-3.5	TS31D	TKY10F
1412R/L-11S	★	★		1103	12	150	27	7	11	7	14	0.4	-4	TS31D	TKY10F
1816R/L-11S	★	★		1103	16	180	36	9	15	4	18	0.4	-5	TS31D	TKY10F
2220R/L-11S	★	★		1103	20	220	45	11	19	0	22	0.4	-5	TS31D	TKY10F
3225R/L-16S	★	★		1603	25	270	56.3	16	23.4	0	32	0.8	-5	TS4D	TKY15F

* Torque de Fixação (N • m) TS2D=0.6, TS25D=1.0, TS31D=2.5, TS4D=3.5

FSTUP_E

Haste de Metal Duro com Furo de Refrigeração Insertos TP

Acabamento	Leve	Média
FV  (08,09)	SV  (08,09,11)	MV  (08,09,11)
PCD	CBN	
R/L-F  (08,09,11)	 (08,09,11)	

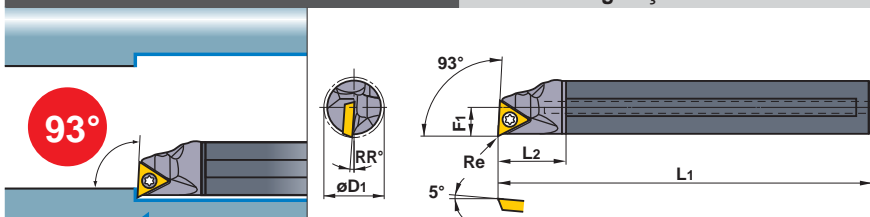


Figura mostra suporte à direita.

Referência para Pedido	Estoque		Referência do Inserto	Dimensões (mm)							Diâmetro Min. de Corte D1 (mm)	Raio da Ponta Standard Re (mm)	Relação l/d Recomendada	Parafuso de Fixação	Chave
	R	L		D4	L1	L2	F1	H1	RR°						
FSTUP1008R/L-08E	★	●	TPGH TPMH NP-TPGB NP-TPMB NP-TPMH	0802	8	140	13.8	5	7.2	10	10	0.4	-7	TS2D	TKY06F
1008R-08E-2/3	●	●		0802	8	90	13.8	5	7.2	10	10	0.4	-7	TS2D	TKY06F
1008R-08E-1/2	●	●		0802	8	70	13.8	5	7.2	10	10	0.4	-7	TS2D	TKY06F
1210R/L-09E	★	●		0902	10	160	16.0	6	9	8	12	0.4	-7.5	TS25D	TKY08F
1210R-09E-2/3	●	●		0902	10	105	16.0	6	9	8	12	0.4	-7.5	TS25D	TKY08F
1210R-09E-1/2	●	●		0902	10	80	16.0	6	9	8	12	0.4	-7.5	TS25D	TKY08F
1412R/L-09E	★	★		0902	12	180	17.8	7	11	7	14	0.4	-8	TS25D	TKY08F
1412R-09E-2/3	●	●		0902	12	120	17.8	7	11	7	14	0.4	-8	TS25D	TKY08F
1412R-09E-1/2	●	●		0902	12	90	17.8	7	11	7	14	0.4	-8	TS25D	TKY08F
1816R/L-11E	★	★		1103	16	220	21.8	9	15	4	18	0.4	-8	TS31D	TKY10F
1816R-11E-2/3	●	●		1103	16	145	21.8	9	15	4	18	0.4	-8	TS31D	TKY10F
1816R-11E-1/2	●	●		1103	16	110	21.8	9	15	4	18	0.4	-8	TS31D	TKY10F
2220R/L-11E	★	★		1103	20	250	24.0	11	19	0	22	0.4	-8	TS31D	TKY10F
2220R-11E-2/3	●	●		1103	20	165	24.0	11	19	0	22	0.4	-8	TS31D	TKY10F
2220R-11E-1/2	●	●		1103	20	125	24.0	11	19	0	22	0.4	-8	TS31D	TKY10F

* Torque de Fixação (N • m) TS2D=0.6, TS25D=1.0, TS31D=2.5