

Modular tooling system

TUNGFLEX

Tungaloy Report No. 419S1-US

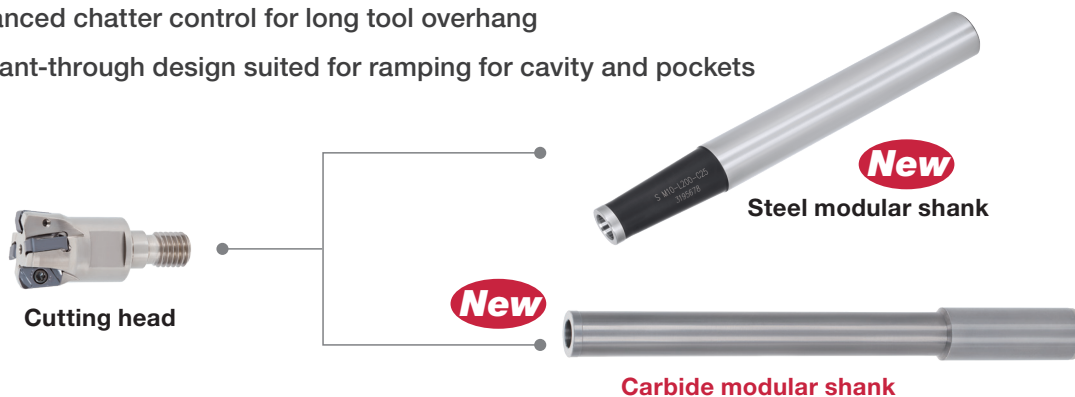
Carbide modular shanks now available in inch and metric sizes for excellent rigidity





Features

- Increased cutting parameters can be applied to carbide modular shank over steel modular shank
- Enhanced chatter control for long tool overhang
- Coolant-through design suited for ramping for cavity and pockets



SM

Steel modular shank



Fig. 1

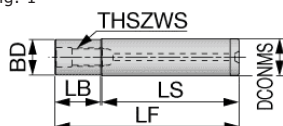
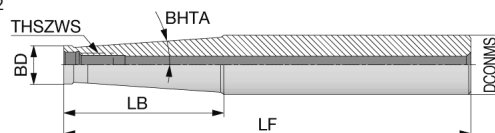


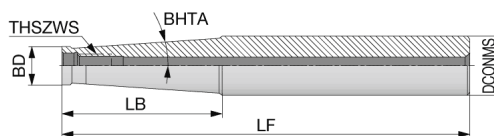
Fig. 2



New	Inch	DCONMS	BD	LF	LB	BHTA	THSZWS	CSP	Fig.
	SM08-L3.00 C.62	0.620	0.512	3	0.98	0°	M08	With coolant hole	1
	SM08-L5.0-W.625	0.625	0.512	5	3.15	1°	M08	With coolant hole	2
	SM10-L3.00 C.75	0.750	0.709	3	1.18	0°	M10	With coolant hole	1
	SM10-L5.0-W.750	0.750	0.709	5	3.15	0.2°	M10	With coolant hole	2
	SM12-L3.5-W1.00	1.000	0.827	3.5	1.18	4.8°	M12	With coolant hole	2
	SM16-L4.0-W1.25	1.250	1.142	4	1.38	1.7°	M16	With coolant hole	2

SM

Steel modular shank



	Metric	DCONMS	BD	LF	LB	BHTA	THSZWS	CSP
	SM06-L60C10	10	9.7	60	20	0°	M6	With coolant hole
	SM06-L105-C12	12	9.7	105	60	1.2°	M6	With coolant hole
	SM06-L125-C16	16	9.7	125	60	3.3°	M6	With coolant hole
	SM08-L73C16	16	13	73	25	0°	M8	With coolant hole
	SM08-L128-C16	16	13	128	80	0.9°	M8	With coolant hole
	SM08-L170-C20	20	13	170	66.8	3.3°	M8	With coolant hole
	SM10-L80C20	20	18	80	30	0°	M10	With coolant hole
	SM10-L130-C20	20	18	130	80	0.6°	M10	With coolant hole
	SM10-L200-C25	25	19	200	57.2	3.3°	M10	With coolant hole
	SM12-L86-C25	25	21	86	30	5.1°	M12	With coolant hole
	SM12-L200-C32	32	21	200	78	4.4°	M12	With coolant hole
	SM16-L95-C32	32	29	95	35	1.7°	M16	With coolant hole
	SM16-L230-C32	32	29	230	50	1.8°	M16	With coolant hole



SM-C-A

Carbide modular shank



Fig. 1

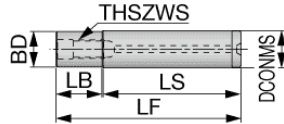
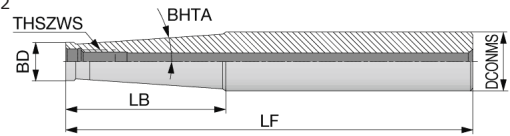


Fig. 2

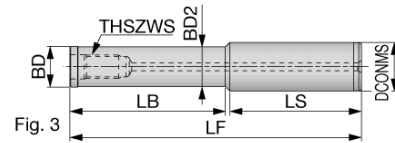
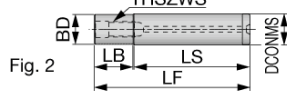
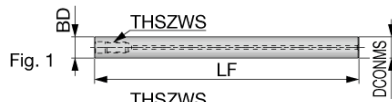


New

Inch	DCONMS	BD	LF	LB	BHTA	THSZWS	CSP	Fig.
SM06L5.0-3.1C.500-C-A	0.500	0.375	5	3.15		M06	With coolant hole	1
SM08L5.5-3.5C.625-C-A	0.625	0.510	5.5	3.50		M08	With coolant hole	1
SM08L7.0-4.5C.750-C-A	0.750	0.510	7	4.50	1.5	M08	With coolant hole	2
SM10L5.0-3.1C.750-C-A	0.750	0.710	5	3.15		M10	With coolant hole	1
SM10L6.0-3.5C.750-C-A	0.750	0.710	6	3.50		M10	With coolant hole	1
SM10L8.0-5.5C.100-C-A	1.000	0.710	8	5.50	1.5	M10	With coolant hole	2
SM12L6.5-4.0C.100-C-A	1.000	0.820	6.5	4.00		M12	With coolant hole	1
SM12L8.5-6.0C.100-C-A	1.000	0.820	8.5	6.00		M12	With coolant hole	1
SM16L9.0-6.5C.1.25-C-A	1.250	1.140	9	6.50		M16	With coolant hole	1

SM-C-H

Carbide modular shank



New

Metric	DCONMS	BD	BD2	LS	LF	LB	THSZWS	CSP	Fig.
SM06-L100-C10-C-H	10	10	-	-	100	-	M6	With coolant hole	1
SM06-L150-C10-C-H	10	10	-	-	150	-	M6	With coolant hole	1
SM06-L100-C12-C-H	12	12	-	-	100	-	M6	With coolant hole	1
SM06-L150-C12-C-H	12	12	-	-	150	-	M6	With coolant hole	1
SM08-L80-20-C16-C-H	16	15.3	-	59.6	80	20	M8	With coolant hole	2
SM08-L100-40-C16-C-H	16	15.3	-	59.6	100	40	M8	With coolant hole	2
SM08-L150-80-C16-C-H	16	15.3	-	69.6	150	80	M8	With coolant hole	2
SM08-L200-100-C16-C-H	16	13	12.5	98.2	200	100	M8	With coolant hole	3
SM08-L200-140-C16-C-H	16	15.3	-	59.6	200	140	M8	With coolant hole	2
SM08-L250-180-C16-C-H	16	15.3	-	69.6	250	180	M8	With coolant hole	2
SM10-L80-20-C20-C-H	20	18.5	-	59.2	80	20	M10	With coolant hole	2
SM10-L100-40-C20-C-H	20	18.5	-	59.2	100	40	M10	With coolant hole	2
SM10-L150-80-C20-C-H	20	18.5	-	69.2	150	80	M10	With coolant hole	2
SM10-L200-100-C20-C-H	20	18.5	-	99.2	200	100	M10	With coolant hole	2
SM10-L200-140-C20-C-H	20	18	17.5	58.7	200	140	M10	With coolant hole	3
SM10-L200-140-C20-C-H-N	20	18.5	-	59.2	200	140	M10	With coolant hole	2
SM10-L250-130-C20-C-H	20	18	17.5	118.7	250	130	M10	With coolant hole	3
SM10-L250-180-C20-C-H	20	18	17.5	68.7	250	180	M10	With coolant hole	3
SM10-L250-180-C20-C-H-N	20	18.5	-	69.2	250	180	M10	With coolant hole	2
SM10-L300-180-C20-C-H	20	18	17.5	118.7	300	180	M10	With coolant hole	3
SM10-L300-230-C20-C-H	20	18	17.5	68.7	300	230	M10	With coolant hole	3
SM12-L100-40-C25-C-H	25	24	-	59.5	100	40	M12	With coolant hole	2
SM12-L150-80-C25-C-H	25	21	20.5	67.7	150	80	M12	With coolant hole	3
SM12-L150-80-C25-C-H-N	25	24	-	69.5	150	80	M12	With coolant hole	2
SM12-L200-100-C25-C-H	25	21	20.5	97.7	200	100	M12	With coolant hole	3
SM12-L200-100-C25-C-H-N	25	24	-	99.5	200	100	M12	With coolant hole	2
SM12-L200-140-C25-C-H	25	21	20.5	57.7	200	140	M12	With coolant hole	3
SM12-L250-130-C25-C-H	25	21	20.5	117.7	250	130	M12	With coolant hole	3
SM12-L250-180-C25-C-H	25	24	-	69.5	250	180	M12	With coolant hole	2
SM12-L300-180-C25-C-H	25	21	20.5	117.7	300	180	M12	With coolant hole	3
SM12-L300-180-C25-C-H-N	25	24	-	119.5	300	180	M12	With coolant hole	2
SM12-L300-230-C25-C-H	25	21	20.5	67.7	300	230	M12	With coolant hole	3
SM16-L100-40-C32-C-H	32	29	-	58.5	100	40	M16	With coolant hole	2
SM16-L150-80-C32-C-H	32	29	-	68.5	150	80	M16	With coolant hole	2
SM16-L200-100-C32-C-H	32	29	-	98.5	200	100	M16	With coolant hole	2
SM16-L200-140-C32-C-H	32	29	-	58.5	200	140	M16	With coolant hole	2
SM16-L250-130-C32-C-H	32	29	-	118.5	250	130	M16	With coolant hole	2
SM16-L250-180-C32-C-H	32	29	-	68.5	250	180	M16	With coolant hole	2
SM16-L300-180-C32-C-H	32	29	-	118.5	300	180	M16	With coolant hole	2
SM16-L300-230-C32-C-H	32	29	-	68.5	300	230	M16	With coolant hole	2
SM16-L350-230-C32-C-H	32	29	-	118.5	350	230	M16	With coolant hole	2
SM16-L350-280-C32-C-H	32	29	-	68.5	350	280	M16	With coolant hole	2

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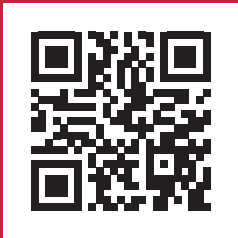
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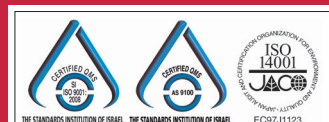
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