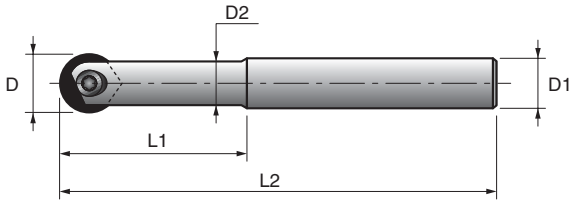


# LONG REACH SOLID CARBIDE SHANKS



A  TOOLING SYSTEMS CO.

## INCH



Millstar's long solid carbide tool shank cutters provide the user with deep milling solutions for up to ten times diameter in reach. MILLSTAR's Carbide Tool Shanks provide many user benefits:

- **Increased stiffness** – for more aggressive metal removal and long reach, deep milling.
- **Large cutting insert choice** – the variety of available cutting geometry, tool coatings, and insert shapes and sizes assures best milling results at lowest machining cost per part.
- **Minimized deflection** – to machine closer to net shape and tight tolerance.
- **Vibration reducing** – for smoother surface finish, improved tool life, longer spindle life.
- **Minimized cutter run out** – improved milling results in soft to fully hardened (to 65 HRC) materials.
- **Smaller shank to cutter diameter** – several sizes have full-length side clearance to machine straight walls.
- **Safe high speed milling** – highest tool stiffness and least deflection when compared with steel and heavy metal tool shanks result in process reliability and highest safety for operator and machine.
- **Shank diameters (h6)** – all tool shanks are heat shrink-fit tool adapter compatible.



Tool Ordering No.	Size Ø D	Insert Style	Overall Length L2	Neck Length L1	Shank Ø D1 (h6)	Neck D2 inch	Nose Taper	Screw/wrench
CBTAV 0250-6.0-0500*	.250"	⑤	6.125	1.181 taper	.500	.224	6° (3°/side)	MS 06N / T7
CBTAV 0250-6.0-0500 LT*	.250"	⑤	6.125	2.750 taper	.500	.224	6° (3°/side)	MS 06N / T7
CBTAV 0312-6.0-0500*	.312"	⑤	6.125	1.181 taper	.500	.285	6° (3°/side)	MS 08N / T7
CBTA 0375-6.0-0500	.375"	③/④	6.125	1.181 taper	.500	.337	6° (3°/side)	MS 10 / T15
CBSFCY 0500-6.0-0500	.500"	②/③	6.625	1.145	.500	.440	–	MS 12 / T20
CBCYF 0500-6.0-0500	.500"	④	6.625	1.145	.500	.440	–	MS 12 / T20
CBSFCY 0500-6.0-12**	.500"	②/③	6.625	1.145	12mm	.440	–	MS 12 / T20
CBCYF 0500-6.0-12**	.500"	④	6.625	1.145	12mm	.440	–	MS 12 / T20
CBSFCY 0625-6.0-0625	.625"	②/③	6.750	1.325	.625	.550	–	MS 16 / T20
CBCYF 0625-6.0-0625	.625"	④	6.750	1.325	.625	.550	–	MS 16 / T20
CBSFCY 0750-8.0-18 **	.750"	②/③	8.875	1.5	18mm	17.95mm	–	MS 20 / T20
CBCYF 0750-8.0-18 **	.750"	④	8.875	1.5	18mm	17.95mm	–	MS 20 / T20
CBSFCY 0750-8.0-0750	.750"	②/③	8.875	1.512	.750	.675	–	MS 20 / T20
CBCYF 0750-8.0-0750	.750"	④	8.875	1.512	.750	.675	–	MS 20 / T20
CBSFCY 1000-8.0-1000	1.000"	②/③	9.125	1.866	1.00	.882	–	MS 25 / T20
CBCYF 1000-8.0-1000	1.000"	④	9.125	1.866	1.00	.882	–	MS 25 / T20
CBSFCY 1000-8.0-25**	1.000"	②/③	9.125	1.866	25mm	.882	–	MS 25 / T20
CBCYF 1000-8.0-25**	1.000"	④	9.125	1.866	25mm	.882	–	MS 25 / T20

\*-.250" and .312" diameter holders use new insert style ⑤. Part number VRBS and VBD, page 5 & 7.

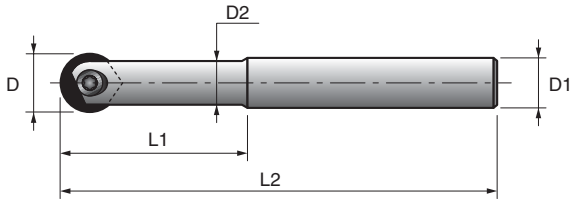
\*\*-Tools with smaller shank diameter than cutter diameter for full-length side clearance.

# LONG REACH SOLID CARBIDE SHANKS



## METRIC

A TOOLING SYSTEMS CO.



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Tool Ordering No.	Size Ø D	Insert Style	Overall Length L2	Neck Length L1/taper	Shank Ø D1 (h6)	Neck D2 mm	Nose Taper	Screw/wrench
CBTAV 06-75-12*	6	⑤	75	35 / 1.5°	12	5,7	3° (1.5°/side)	MS 06N / T7
CBTAV 06-150-12*	6	⑤	155	30 / 6°	12	5,7	6° (3°/side)	MS 06N / T7
CBTAV 06-150-12 LT*	6	⑤	155	70 / 6°	12	5,7	6° (3°/side)	MS 06N / T7
CBCYV 06-115-12***	6	⑤	115	30 cyl. + 45 / 1.5°	12	5,7	2° (1°/side)	MS 06N / T7
CBTAV 08-80-12*	8	⑤	80	40 / 1.5°	12	7,5	3° (1.5°/side)	MS 08N / T7
CBTAV 08-150-12*	8	⑤	155	30 / 6°	12	7,5	6° (3°/side)	MS 08N / T7
CBCYV 08-100-12***	8	⑤	100	30 cyl. + 30 / 1.5°	12	7,5	2° (1°/side)	MS 08N / T7
CBCY 10-150-10	10	③/④	150	32	10	9,0	–	MS 10 / T15
CBTA 10-150-12	10	③/④	165	30 / 6°	12	9,0	6° (3°/side)	MS 10 / T15
CBSFCY 12-150-12	12	②/③	165	52	12	10,8	–	MS 12 / T20
CBCYF 12-150-12	12	④	165	52	12	10,8	–	MS 12 / T20
CBSFCY 0500-6.0-12**	12,7 (0.5")	②/③	165	29	12	11,2	–	MS 12 / T20
CBCYF 0500-6.0-12**	12,7 (0.5")	④	165	29	12	11,2	–	MS 12 / T20
CBSFCY 16-150-16	16	②/③	170	52	16	14,4	–	MS 16 / T20
CBCYF 16-150-16	16	④	170	52	16	14,4	–	MS 16 / T20
CBSFCY 0750-8.0-18**	19,05/(0.750")	②/③	225	38	18	17,95	–	MS 20 / T20
CBCYF 0750-8.0-18**	19,05/(0.750")	④	225	38	18	17,95	–	MS 20 / T20
CBSFCY 20-200-20	20	②/③	225	77	20	18,0	–	MS 20 / T20
CBCYF 20-200-20	20	④	225	77	20	18,0	–	MS 20 / T20
CBSFCY 25-200-25	25	②/③	230	93	25	22,5	–	MS 25 / T20
CBCYF 25-200-25	25	④	230	93	25	22,5	–	MS 25 / T20
CBSFCY 1000-8.0-25**	25,4 (1.0")	②/③	230	47	25	22,5	–	MS 25 / T20
CBCYF 1000-8.0-25**	25,4 (1.0")	④	230	47	25	22,5	–	MS 25 / T20
CBSFCY 30-190-32	30 & 32	②/③	200	57	32	27,2	–	MS 32 / T30

\*- 6mm and 8mm diameter holders use new insert style ⑤. Part number VRBS and VBD.

\*\*-Tools with smaller shank diameter than cutter diameter for full-length side clearance.

\*\*\*-Due to the delicate, slender design and the potential for misapplication of this tool, Millstar does not warrant this tool for breakage.