

DATUM

STELLRAM®

7792VXD

Roughing cutter for modern
machining strategies



THE MATERIAL

- Steels, cast irons, aluminium alloys, hard steels (52HRc to 56HRc).

THE APPLICATION

- High feed roughing of surfaces and cavities.
- Cavity machining by linear and circular interpolation.
- Utilises same CAD/CAM programmes as round insert tools.
- For use on traditional and high performance machine tools.

PERFORMANCE

- High volume of metal removal - up to 3mm feed per tooth.
- Close to profile pocketing compared to round inserts.
- Reduced vibration and cutter deflection in deep cavities.
- Cutting forces directed through the spindle allow higher feed rates.
- Specific geometry for aluminium and light alloys.

Stellram tooling systems for
all your milling requirements.

PHONE
1800 232 120



IZAR
Manufacturas de Arsenales S.A.L.



STELLRAM®



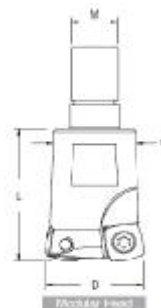
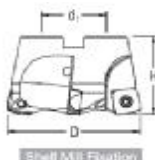
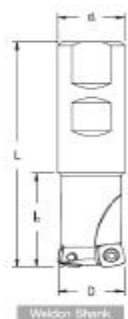
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www.datum.net.au

7792 VXD High Feed Milling Cutter



		Dimensions (mm)							Spares			
EDP#	Part Number	D	L/H	l_2	d_1	a_p max	No. of Inserts	Inserts	EDP#		EDP#	
7792 VXD Weldon Shank												
029461	7792VXD09WA025Z2R	25	96	40	25	1,5	2	XD..0904...	015269	F3508T	015240	T15
7792 VXD Shell Mill Fixation												
029463	7792VXD09-A040Z3R	40	32	-	16	1,5	3	XD..0904...	015064	F3510T	015240	T15
029467	7792VXD12-A052Z3R	52	40	-	22	2,5	3	XD..1205...	015263	D4012T	015240	T15
029469	7792VXD12-A063Z4R	63	40	-	22	2,5	4	XD..1205...	015263	D4012T	015240	T15
7792 VXD Modular Head												
029465	7792VXD09S025Z2R35	25	35	M12	21	1,5	2	XD..0904...	015269	F3508T	015240	T15



Inserts for 7792 VXD

EDP#	Part Number	Grade	Application & Material	d	l	s	r
			Roughing				
029487	XDLW090408SR-D	X400		9,52	9,52	4,76	0,8
029637	XDLT090408ER-D721	GH2		9,52	9,52	4,76	0,8
029490	XDLW120508SR-D	X400		12,7	12,7	5,56	0,8
029638	XDLT120508ER-D721	GH2		12,7	12,7	5,56	0,8



Test report:

Operation: Facing	Stellram	Competitor
Material:	1.2738 Steel	Same
Tool:	7792VXD12-A052Z4R	Round insert cutter
Insert:	XDLW120508SR-D X500	Round 16mm insert
Diameter (mm):	52	66
Number of teeth:	4	5
Depth of cut: a_p (mm)	1.5	2.5
Cutting Speed: V_c (m/min)	180	210
Spindle Speed: RPM (r/min)	1100	1000
Feed: F_z (mm/tooth)	1.5	0.32
Feed: F (mm/min)	6,600	1,600

250% increase in productivity over competitor

Star Guide Key to Recommended Inserts

Material Designations					
	Unalloyed Steels		Stainless Steels		Cast Irons
	Alloyed Steels		PH Stainless		Aluminium & Alloys
					High Temp. Alloys
					Hard Materials

