ZEMAN SBA TECHNOLOGY

		SBA conti (+)		SBA compact (+)		SBW eco (+)		SBA SR compact		SBW Terminator		SBW Terminator E-Type	
		min.	**max.**	**min.**	**max.**	**min.**	**max.**	**min.**	**max.**	**min.**	**max.**	**min.**	**max.**
Beam sizes	Height of beam	150 mm	1100 mm	150 mm	1100 mm	150 mm	1100 mm	150 mm	760 mm	150 mm	760 mm	150 mm	760 mm
	Width of beam	80 mm	500 mm	80 mm	500 mm	80 mm	500 mm	80 mm	305 mm	80 mm	400 mm	80 mm	400 mm
	Flange of beam	6 mm	40 mm	6 mm	40 mm	6 mm	40 mm	6 mm	40 mm	6 mm	40 mm	6 mm	40 mm
	Length of beam	3000 mm	12000 mm 16000 mm 18000 mm	3000 mm	12000 mm 16000 mm 18000 mm	3000 mm	12000 mm 16000 mm 18000 mm	3000 mm	12000 mm 15000 mm 18000 mm	3000 mm	12000 mm 15000 mm 18000 mm	3000 mm	12000 mm 15000 mm 18000 mm
		width x height		width x height		width x height		width x height		width x height		width x height	
Beam types	Hot rolled and welded H-beams	80x160	500x1100	80x160	500x1100	80x160	500x1100	80x160	400x760	80x160	400x760	80x160	400x760
	Rectangular and square tubes	80x80	300x500	80x80	300x500	80x80	300x500	80x80	300x500	80x80	300x500	80x80	300x500
	U - channels	80x220	110x400	80x220	110x400	80x220	110x400	80x220	110x400	80x220	110x400	80x220	110x400
	SIN beam (as option)	120x333	450x1070	120x333	450x1070	120x333	450x1070	not available		not available		not available	
	Tapered H-beams with max. 12000mm beam lenght (as option)	80x250	300x1000	80x250	300x1000	80x250	300x1000	not available		not available		not available	
Weight	ADD parts	0 kg	200 kg	0 kg	200 kg	---		0 kg	200 kg	---		up to 200 kg with upgrade	
	max. beam weight incl. all add-parts	---	6000 kg	---	6000 kg	---	6000 kg	---	5000 kg	---	5000 kg	---	5000 kg
Dimentions ADD parts	Plates	50x100x5	800x1400x60	50x100x5	800x1400x60	Considering the possible turn around and imbalance and robot passage		50x100x5	800x1000x60	Considering the possible turn around and imbalance and robot passage		Considering the possible turn around and imbalance and robot passage With upgrade please see SR compact	
	Angles	60x60x60	180x180x1400	60x60x60	180x180x1400			60x60x60	180x180x1000				
	Rectangular and square tubes	70x70x60	200x200x500	70x70x60	200x200x500			70x70x60	200x200x500				
	U - channels	100x70x60	400x110x500	100x70x60	400x110x500			100x70x60	400x110x500				
	H-beam pieces (90° cut)	80x80x100	250x250x500	80x80x100	250x250x500			80x80x100	250x250x500				
	T - pieces (pre-welded parts)	60x60x60	180x180x1100	60x60x60	180x180x1100			60x60x60	180x180x760				
Welding seams	Fillet welding single layer	a3	a6	a3	a6	a3	a6	a3	a6	a3	a6	a3	a6
(european standard)	Fillet welding multi layer	a8	a15	a8	a15	a8	a15	a8	a15	a8	a15	a8	a15
	Groove welding single layer	a4	a6	a4	a6	a4	a6	a4	a6	a4	a6	a4	a6
	Groove welding multi layer	a8	a12	a8	a12	a8	a12	a8	a12	a8	a12	a8	a12
	Close-up welding (spot welding)	yes		yes		yes		yes		yes		yes	
	Gap detection	yes for stiffeners		yes for stiffeners		yes for stiffeners		yes for stiffeners		yes for stiffeners		yes for stiffeners	
	Part2Part	yes		yes		yes		yes		yes		yes	
	Full penetration	no		no		no		no		no		no	
Plasma cut option	Copying	as option 1000mm from beam-end / -beginning		as option 1000mm from beam-end / -beginning		not available		not available		not available		not available	
Pre-heating option	Endplates	as option		as option		not available		not available		not available		not available	
Others	Beam measurement	on each ADD part position		on each ADD part position		on each welding position		on each ADD part position		on each welding position		on each welding position	
	Auto fillet detecting	yes		yes		yes		yes		yes		yes	
	Auto groove detecting	yes		yes		yes		yes		yes		yes	
	Holes as reference	yes		yes		---		yes		---		with upgrade to SR compact	
	Auto pushing method	stiffeners, endplates		stiffeners, endplates		---		stiffeners, endplates		---		with upgrade to SR compact	
	Assembly-/ production tolerances	+/- 1,50 mm		+/- 1,50 mm		default		+/- 1,50 mm		default		default	
Options	2. welding robot system	as option		as option		as option		not available		not available		not available	
	1500mm beam height	as option		as option		not available		not available		not available		not available	
	Differend production length	see above		see above		see above		see above		see above		see above	
	Multilayer welding	as option		as option		as option		included		included		included	
	Pre-heating	as option		as option		not available		not available		not available		not available	
	Plasmacut	as option		as option		not necessary		not available		not necessary		not necessary	
	Camera system	as option		as option		as option		included		included		included	
	Tapered H-beams up to 12m beam length	as option		as option		as option		not available		not available		not available	
	SIN beams with frame corner	as option		as option		as option		not available		not available		not available	
	Angle and T-parts	as option		as option		included		included		included		included	
	Addidional ProFit license	as option		as option		as option		as option		as option		as option	
	Operator platform	as option		as option		as option		included		included		included	
	auto infeed system	included		as option		not available		not available		not available		not available	
	auto outfeed system	included		as option		not available		not available		not available		not available	
	Upgrade SR compact	not available		not available		not available		not available		not available		as option	