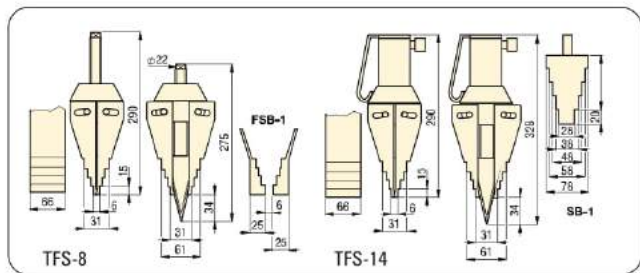


Hydraulic Flange Spreaders are used for safety opening pipe flanges. Available in capacities of 5 tonnes and 10 tonnes the versatility of both models enables the user to open flanges up to 92mm thick. Operated with a standard hydraulic hand pump and connecting hose and supplied in a handy steel storage case, Hydraulic Flange Spreaders can be operated individually, or as a pair when opening large diameter flanges. With Hydraulic Flange Spreaders it takes minutes open the toughest flanges without the risks of sparks caused by hammer blows and chisels.

- Requires access gap of only 6mm
- Portable tools to safely spread flange joints
- Few moving parts mean durability and low maintenance
- Available for both mechanical and hydraulic options



Max Spreading Force(ton)	Model No	Max Spread (mm)	Tip Clearance (mm)	Spreader Type	Oil Cap (cm ²)	Weight (kg)
8	TFS-8	81	6	Mechanical	No	7
14	TFS-14	81	6	Hydraulic	78	9

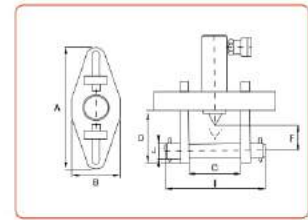
INTEGRAL HYDRAULIC FLANGES SPREADING WEDGE

- Portable and compact design
- No need extra hose and pump



Max Spreading Force(ton)	Model No	Max Spread (mm)	Tip Clearance (mm)	Spreader Type	Oil Cap (cm ²)	Weight (kg)
14	FSH-15	81	6	Hydraulic	78	10

- Light weight, easy to operate
- Compact and ergonomic design
- Adjustable jaw size from 70mm to 216mm
- Single-acting, spring return



Model	Cap (ton)	Stud (mm)	Oil Cap (cm ³)	Stroke (mm)	wedge (mm)	Diameter(mm)							Weight (kg)
						A	B	C	D	E	I	J	
FS-56	5	19-28	24.6	38	3-28	209	76	70-150	88	32	206	19	11
FS-109	10	31-41	78.7	54	3-28	279	108	104-216	114	50	273	31	19

INTEGRAL VERTICAL LIFTING WEDGE

- Requires very small access gap of 10 mm
- Each step can spread under full load
- Single acting, spring return



Model	Max Spreading Force(ton)	Tip Clearance(mm)	Stroke(mm)	Max Spread(mm)	Weight(kg)
LW-18	16	10	21	81	13

