

MECHANICAL FLANGE SPREADER MSF100 MANUAL

Friction-free, smooth and parallel wedge movement with unique interlock wedge design. Eliminates flange damage and risk of spreading arm failure.

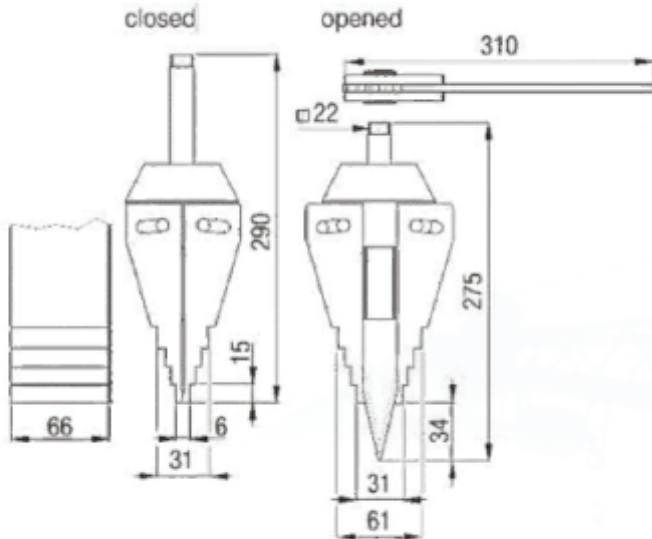
USED IN: Mini Kit are used for shutdown, testing, pipe line maintenance, commissioning etc...

FEATURES:

- Manual Operation •
- Required very small access gap of only 6mm •
- Safety blocks and stepped blocks provide for •
- more spreading distance
- Safe and reliable system •

STANDARD KIT COMPONENTS

- 1 x MFS Wedge heads
- 1 x Safety Blocks
- 2 x Pair of Stepped Blocks
- 1 x Hex Key
- 1 x Ratchet Spanner
- 1 x Instruction Manual 1 x Carry Case

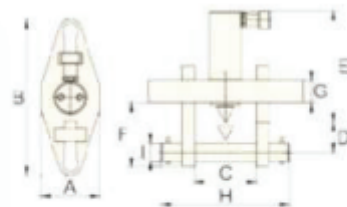


Maximum Spread Force	Tip Clearance	Maximum wt. Spread blocks	Tool Weight
10 (100 KN)	6mm	80mm	6.0 kg (15.4 lb)

LOW CLEARANCE HYDRAULIC FLANGE SPREADER

Features:

- 1) Secure Hold
- 2) No pinch points
- 3) Strength & Reliability of product
- 4) Max Working Pressure: 700Bar
- 5) Capacity: 5 and 10 Ton



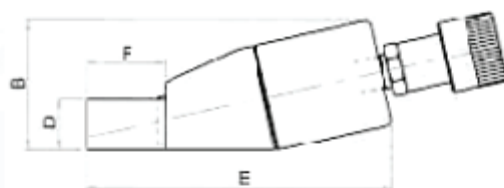
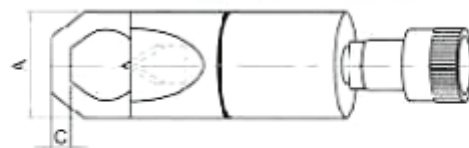
Includes in Carry Case:

- 1 x Wedge head with threaded coupler
- 1 x 2m Hydraulic hose with threaded couplers on both ends
- 1 x 10000 PSI hand pump, gauge, gauge adaptor & coupler
- 1 x Instruction manual
- 1 x Carry case

Model	Capacity (T)	Bolt Size (mm)	Flange Thickness (mm)	Stroke (mm)	Standard Wedge (mm)	Weight (kg)	Dimensions (mm)							
							A	B	C MIN-MAX	D	E	F	G	
FLS50STD	5	19-28	57(mm)	38	3-28 (mm)	11.5	76	209	70	155	32	196	88	25
FLS100STD	10	31-41	92(mm)	54	3-28 (mm)	18	108	290	90	205	45	155	109	38

Model	Capacity(T)	Inserting Clearance (m)	Weight (kg)
FLSF7STD	6.8	2	5

TWT LIGHT NUT SPLITTER



TWT Light Weight Hydraulic Nut Splitters are used in applications that involve corrosion; it can be used to remove corroded or frozen nuts fast and safely. The light weight option helps the user to apply the product to lower sized bolts.

TWT offers Light Weight Nut splitters for a range of Hex size 0.37" to 2.95". Our product is designed for operator comfort that fits tight spaces and it cuts through the hardest of nuts.

- Higher capacity and customized solutions on request.
- Specifications are subject to change due to continual improvement.



Application

- The fast, sure and safe method to cut and remove seized nuts.
- Compact and ergonomic angled head design.
- Heavy duty cutting tool, can be re-ground.

Model	Hex Size in (mm)	Thread Size in(mm)	A in(mm)	B in(mm)	C in(mm)	D in(mm)	E in(mm)	F in(mm)	Weight lbs(kg)	Replacement Chisel Model Nos.
STANDARD										
NB-5	0.37"-0.75" (10-19)	M6-M12	1.57" (40)	2.04" (52)	0.31" (8)	0.79" (20)	5.11" (130)	1.18" (30)	2 (1)	NBC - 5
NB-10	0.75"-0.94" (19-24)	M12-M16	2.12" (54)	2.64" (67)	0.47" (12)	0.94" (24)	6.41" (163)	1.41" (41)	4 (2)	NBC - 10
NB-15	0.94"-1.26" (24-32)	M16-M22	2.52" (64)	3.11" (79)	0.51" (13)	1.18" (30)	7.36" (187)	2.04" (52)	6 (3)	NBC - 15
NB-20	1.26"-1.61" (32-41)	M22-M27	3.07" (78)	3.70" (94)	0.78" (20)	1.46" (37)	8.62" (219)	2.72" (69)	10 (4.5)	NBC - 20
NB-35	1.61"-1.97" (41-50)	M27-M33	3.74" (95)	4.45" (113)	0.83" (21)	1.77" (45)	10.43" (265)	3.07" (78)	21 (9.6)	NBC - 35
NB-50	1.97"-2.36" (50-60)	M33-M39	4.17" (106)	5.04" (128)	0.98" (25)	2.12" (54)	11.69" (297)	3.58" (91)	29 (13)	NBC - 50
NB-90	2.36"-2.95" (60-75)	M39-M48	6.14" (156)	7.28" (185)	1.06" (27)	2.95" (75)	14.05" (357)	4.33" (110)	75 (34)	NBC - 90