

DynaPrep MDSF Split Frame



Newly designed slides with
Rapid Retract feature



Slides now accept 1" (25.4mm)
square & all popular tooling



Patent pending ring mating
surface resists force distortion

HEAVY DUTY FORM TOOLING AND PIPE WELD PREPARATION

E.H. Wachs all new DynaPrep® MDSF split frame redefines the category of cold cutting machine tools for pipe and vessels. Engineered to be powerful, strong and lightweight, DynaPrep offers unmatched form tooling capability on heavy wall pipe including high alloy material. Designed for cutting, beveling, facing, counterboring and flange facing, it will be offered initially in six standard models for popular nominal pipe sizes ranging from 6" to 24" O.D. (DN150-600), with each machine covering a generous 6" range. Sold as complete kits or individual components the DynaPrep MDSF is available in your choice of pneumatic, hydraulic or electric drive.



DynaPrep MDSF Split Frame



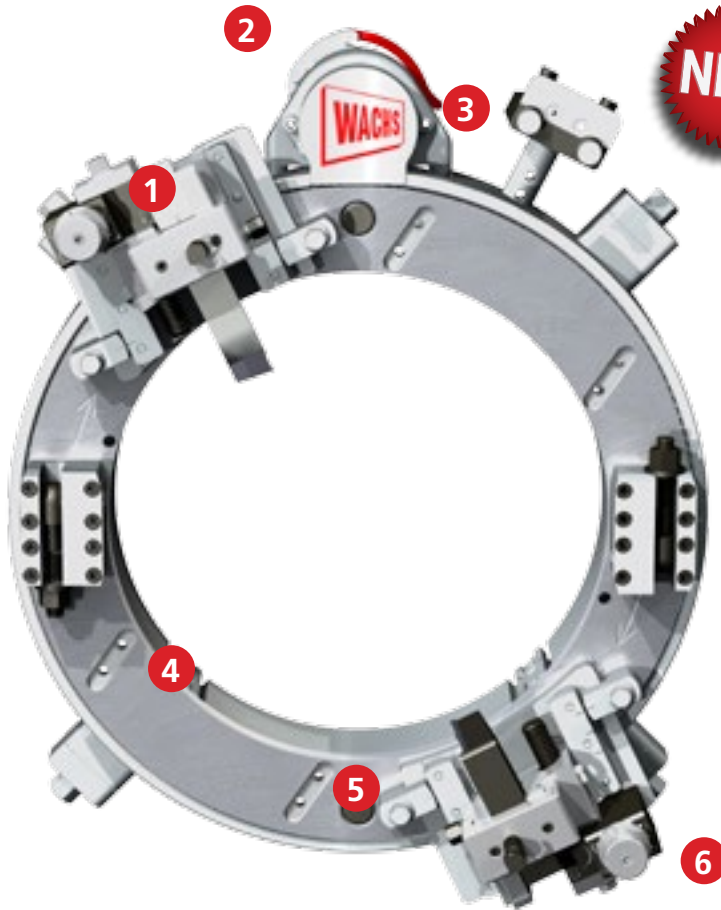
Accepts most popular tooling sizes including 1" (25.4mm) square & 1/2" x 3/4" (12.7 x 19mm)



New gear design withstands force from up to a 10HP (7.5kW) drive motor



All New Anti-Crash Trip Design Allows Tool Slides to Pass without Incident



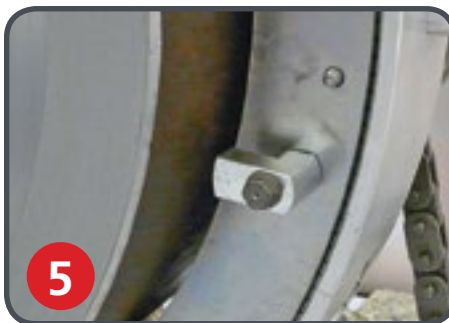
NEW

12" (305 mm) DYNAPREP MDSF

- More rugged design with vastly increased form tooling capability
- New gear design withstands force from up to a 10HP (7.5kW) drive motor
- Ring sizes 20" and below use four clamping feet for squaring
- New ring mating surfaces features angled captivated bolt and keyway
- Common cross sectional height for tool slide commonality
- Low sectional height fits in narrow or confined operating envelopes
- Aluminum fixed ring for portability, steel on the rotating ring for strength
- Advanced heat treating and anti-corrosion coatings for enhanced durability
- Dual row v-bearing construction for precision and durability
- V-bearings run in a new unique hardened steel dual raceway
- Dual raceway design evenly distributes force loading no matter the direction



Ring sizes 20" and below use four clamping feet for squaring



Captivated, swing-away toe clamp for easier slide mounting

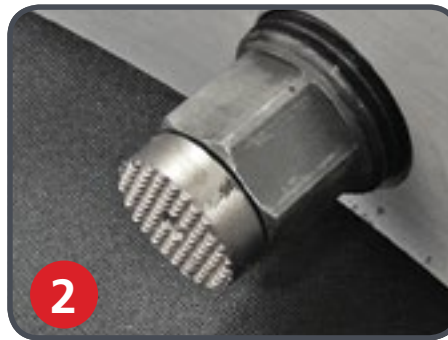


Micro fine adjustment knobs provide better precision during cutting

DynaPrep MDSF Split Frame



New design swing bolts allow for fast positioning over inline pipe



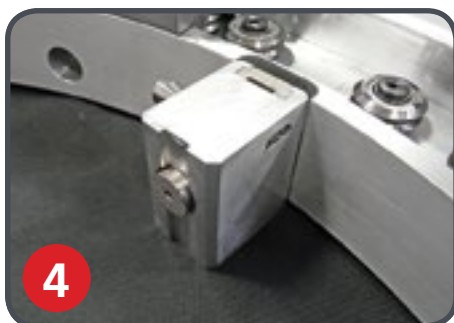
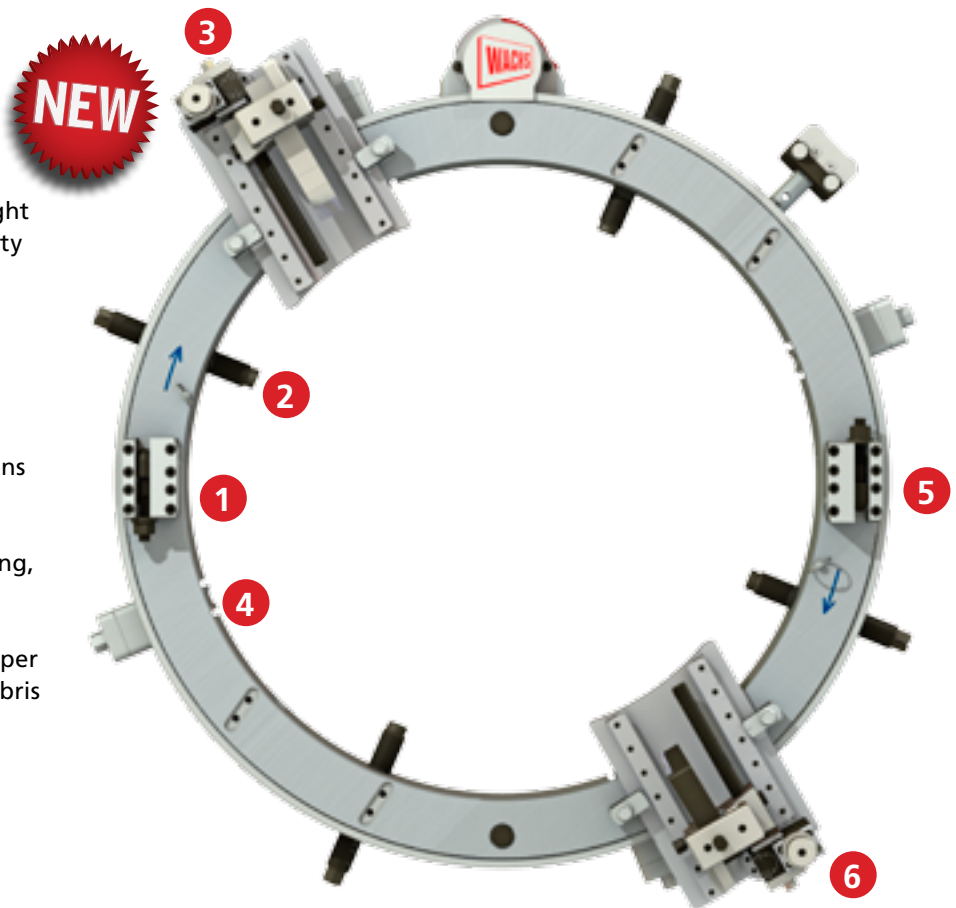
Screw feet reverse and also accept push-in buttons and points



Rapid retract feature allows for backing tooling away from pipe with ease

24" (610 mm) DYNAPREP MDSF

- Only two sockets, 1/2" (13mm) and 3/4" (19mm), needed for setup and operation
- Ring sizes 24" (610mm) and up use eight clamping feet for squaring and stability
- New indexed, squaring clamping leg design features a 2" (50mm) stroke
- Single clamp pad extension covers a 6" (152mm) pipe diameter range
- Clamp pads mount axially without removing the machine from the pipe
- U shaped feet pair with push in buttons and points for miter or elbow mounting
- Screw feet reverse for internal clamping, also accept push in buttons and points
- All models feature replaceable felt wiper for lubrication and to capture chip debris
- New design swing bolts allow for fast positioning over inline pipe



Clamp pads mount axially without removing the machine from the pipe



New ring mating surfaces features angled captivated bolt and keyway



All new no-time starwheel works with newly designed trip to prevent crashing

DynaPrep MDSF Split Frame



NEW



DynaPrep MDSF
5.5" Stroke Slide

Our clients needs in cold cutting machine tools continue to change and evolve. As the innovators and market leader in split frame technology, E.H. Wachs continually evolves its products to meet those needs. They needed split frames that were easier to set up, easier to operate, and more powerful to handle heavy wall form tooling. At the same time we didn't change what makes our LCSF Low Clearance Split Frames great: their low clearance design that fits into tight spaces, its lightweight construction, and its wide range of versatile accessories.

Designed to meet and exceed all these parameters, we're pleased to introduce the all new DynaPrep™ MDSF Split Frame series. Engineered to surpass anything available today it was benchmarked against the rest and built to be the best. On the following pages see what sets this machine apart. Our core design principal during its development was power combined with durability. In ancient Greece Dyna translated to power - at E.H. Wachs DynaPrep translates to maximum power in cold cutting weld prep machine tools.

MDSF 3HP RIGHT ANGLE PNEUMATIC KIT

	IN	MM	DESCRIPTION	CODE	PART #
MDSF 612	6" - 12"	DN150 - 300	12" (305mm) Split Frame Air Kit	969 500 012	69-5000-12
MDSF 814	8" - 14"	DN200 - 350	14" (356mm) Split Frame Air Kit	969 500 014	69-5000-14
MDSF 1016	10" - 16"	DN250 - 400	16" (406mm) Split Frame Air Kit	969 500 016	69-5000-16
MDSF 1218	12" - 18"	DN300 - 450	18" (457mm) Split Frame Air Kit	969 500 018	69-5000-18
MDSF 1420	14" - 20"	DN350 - 500	20" (508mm) Split Frame Air Kit	969 500 020	69-5000-20
MDSF 1824	18" - 24"	DN450 - 600	24" (610mm) Split Frame Air Kit	969 500 024	69-5000-24

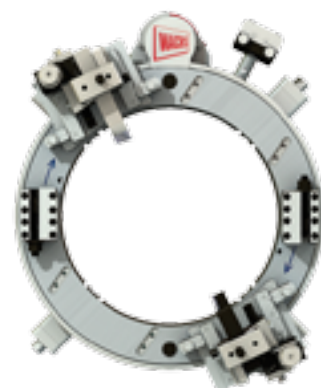
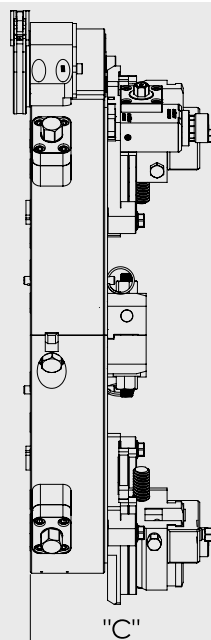
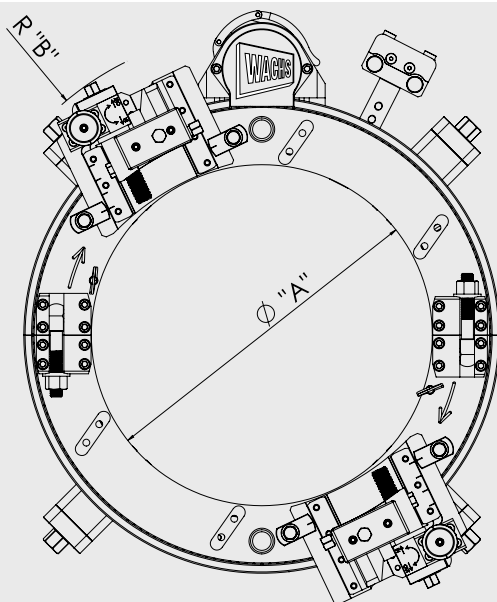
MDSF 4HP PNEUMATIC KIT

	IN	MM	DESCRIPTION	CODE	PART #
MDSF 612	6" - 12"	DN150 - 300	12" (305mm) Split Frame Air Kit	969 500 112	69-5001-12
MDSF 814	8" - 14"	DN200 - 350	14" (356mm) Split Frame Air Kit	969 500 114	69-5001-14
MDSF 1016	10" - 16"	DN250 - 400	16" (406mm) Split Frame Air Kit	969 500 116	69-5001-16
MDSF 1218	12" - 18"	DN300 - 450	18" (457mm) Split Frame Air Kit	969 500 118	69-5001-18
MDSF 1420	14" - 20"	DN350 - 500	20" (508mm) Split Frame Air Kit	969 500 120	69-5001-20
MDSF 1824	18" - 24"	DN450 - 600	24" (610mm) Split Frame Air Kit	969 500 124	69-5001-24

MDSF HYDRAULIC KIT

	IN	MM	DESCRIPTION	CODE	PART #
MDSF 612	6" - 12"	DN150 - 300	12" (305mm) Split Frame Hydraulic Kit	969 510 012	69-5100-12
MDSF 814	8" - 14"	DN200 - 350	14" (356mm) Split Frame Hydraulic Kit	969 510 014	69-5100-14
MDSF 1016	10" - 16"	DN250 - 400	16" (406mm) Split Frame Hydraulic Kit	969 510 016	69-5100-16
MDSF 1218	12" - 18"	DN300 - 450	18" (457mm) Split Frame Hydraulic Kit	969 510 018	69-5100-18
MDSF 1420	14" - 20"	DN350 - 500	20" (508mm) Split Frame Hydraulic Kit	969 510 020	69-5100-20
MDSF 1824	18" - 24"	DN450 - 600	24" (610mm) Split Frame Hydraulic Kit	969 510 024	69-5100-24

DynaPrep MDSF Split Frame



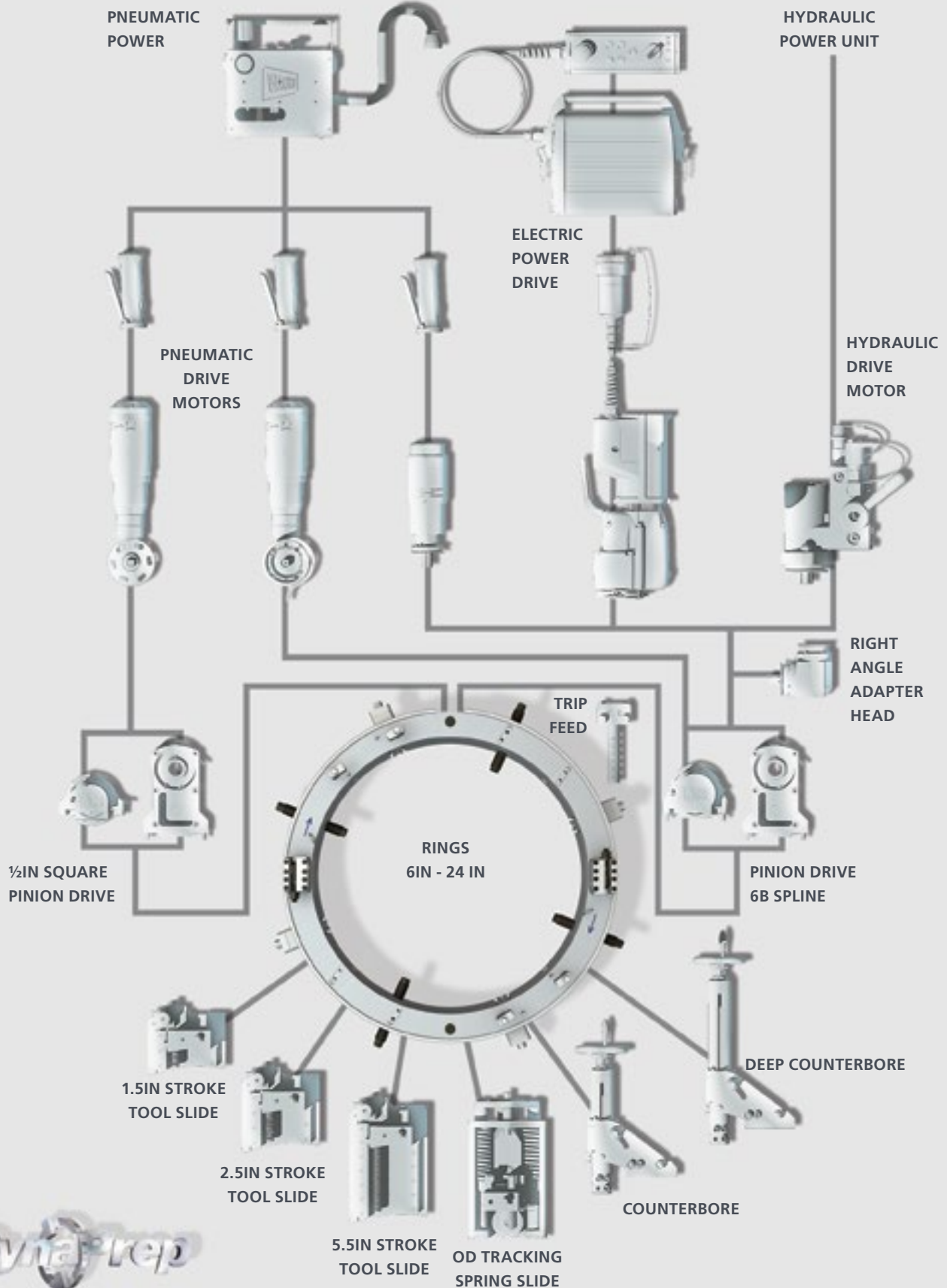
12" DynaPrep MDSF Split Frame

SPECIFICATIONS							
MODELS		612	814	1016	1218	1420	1824
MACHINE CAPACITY							
Pipe OD Metric	mm	168.3 - 323.85	219.1 - 355	273.1 - 406.4	305-457	355.6 - 508	457 - 610
Pipe NPS	inch	6.625 - 12.75	8.625 - 14.0	10.75 - 16.0	12.0-18.0	14.0 - 20.0	18.0 - 24.0
DIMENSIONS							
A dimension	mm	336.55	368.3	419.1	470	520.7	635
	inch	13.25	14.5	16.5	18.5	20.5	25
TOOL SLIDE TOOL STROKE 1.5" (38.1 MM)							
B dimension	mm	300.99	320.294	345.694	371.094	396.494	453.644
	inch	11.85	12.61	13.61	14.61	15.61	17.86
TOOL SLIDE TOOL STROKE 2.5" (63.5 MM)							
B dimension	mm	330.2	350.52	375.92	401.32	426.72	483.87
	inch	13	13.8	14.8	15.8	16.8	19.05
TOOL SLIDE TOOL STROKE 5.5" (139.7 MM)							
B dimension	mm	406.4	426.72	452.12	477.52	502.92	560.07
	inch	16	16.8	17.8	18.8	19.8	22.05
C dimension	mm	182.88	182.88	182.88	182.88	182.88	182.88
	inch	7.2	7.2	7.2	7.2	7.2	7.2
OD TRACKING SLIDE							
B dimension	mm	442.722	457.2	482.6	508	533.4	330.2
	inch	17.43	18	19	20	21	13
C dimension	mm	215.9	215.9	215.9	215.9	215.9	215.9
	inch	8.5	8.5	8.5	8.5	8.5	8.5
COUNTERBORE SLIDE SHORT							
C dimension	mm	439.166	439.166	439.166	439.166	439.166	439.166
	inch	17.29	17.29	17.29	17.29	17.29	17.29
COUNTERBORE SLIDE DEEP							
C dimension	mm	515.366	515.366	515.366	515.366	515.366	515.366
	inch	20.29	20.29	20.29	20.29	20.29	20.29
WEIGHTS							
Machine	kg	32	36	39	43	46	52
	lbs	71	79	87	95	102	114
Shipping	kg	60	67	74	81	87	198
	lbs	133	147	164	178	192	438



DynaPrep MDSF
O.D. Tracking Spring Slide

DynaPrep MDSF Split Frame



DynaPrep MDSF Split Frame

MDSF RING ASSEMBLY

Order your machine as complete kits or ala carte depending on your needs. Ring assemblies are an affordable way to expand your pipe working range if you already have tool slides, trips, and drive motors.

	IN	MM	DESCRIPTION	CODE	PART #
MDSF 612	6" - 12"	DN150 - 300	12in (305mm) Rotating Ring Assembly	969 000 012	69-0000-12
MDSF 814	8" - 14"	DN200 - 350	14in (356mm) Rotation Ring Assembly	969 000 014	69-0000-14
MDSF 1016	10" - 16"	DN250 - 400	16in (406mm) Rotating Ring Assembly	969 000 016	69-0000-16
MDSF 1218	12" - 18"	DN300 - 450	18in (457mm) Rotating Ring Assembly	969 000 018	69-0000-18
MDSF 1420	14" - 20"	DN350 - 500	20in (508mm) Rotating Ring Assembly	969 000 020	69-0000-20
MDSF 1824	18" - 24"	DN450 - 600	24in (610mm) Rotating Ring Assembly	969 000 024	69-0000-24

MDSF DRIVE MOTORS

Wachs offers a newly expanded range of pneumatic, hydraulic and electric drive motor options, up to a full 10 hp (8 kW), offering the power and durability required to drive the MDSF to its full form tooling potential.

	IMPERIAL	METRIC	CODE	PART #
2.5HP LCSF Pneumatic Reversible	2.5 hp	1.9 kW	960 401 001	60-4010-01
3HP Pneumatic Motor Right Angle	3 hp	2.2 kW	969 435 100	69-4351-00
3HP Pneumatic Motor Right Angle with Handle	3 hp	2.2 kW	969 435 300	69-4353-00
4HP Pneumatic Motor	4 hp	3.0 kW	969 435 500	69-4355-00
4HP Pneumatic Motor with Handle	4 hp	3.0 kW	969 435 600	69-4356-00
EPD Electric Power Drive	10 hp	8.0 kW	969 435 700	69-4357-00
Hydraulic Drive Motor	7.8 hp	5.8 kW	969 435 800	69-4358-00
Adapter Head Right Angle			969 435 900	69-4359-00

MDSF PINION DRIVE

It's said that with great power comes great responsibility. Newly designed 1/2" (12.7mm) square and advanced 6B splined pinion drives are responsible for putting down the power with their stronger, heat treated gear sets.

	IN	MM	CODE	PART #
Legacy Pinion Standard	1/2in Square	12.7mm Square	969 448 000	69-4480-00
Legacy Pinion Front Drive	1/2in Square	12.7mm Square	969 448 100	69-4481-00
Spline Drive Pinion Standard (Tool Free)	6B Spline	6B Spline	969 448 200	69-4482-00
Spline Drive Pinion Front Drive (Tool Free)	6B Spline	6B Spline	969 448 300	69-4483-00

MDSF TRIP FEED

Advanced dual pin design that eliminates the need to time the starwheel prevents crashes and is engineered to accommodate optional pneumatic and electric powered remote trip control.

DESCRIPTION	CODE	PART #
Trip - Dual	969 474 000	69-4740-00
Trip - Dual - Remote	969 474 100	69-4741-00
Trip - Dual 5.5" Adapter	969 474 200	69-4742-00
Trip - Counter Adapter, EICC	969 474 300	69-4743-00
Trip - ODT	969 474 400	69-4744-00

MDSF MISCELLANEOUS ACCESSORIES

Perform casing cutting and more with the new line of DynaPrep MDSF Accessories.

DESCRIPTION	CODE	PART #
Leg Set - Axial	969 480 500	69-4805-00
ECC External Casing Cutter 7-13	969 481 000	69-4810-00
EICC External / Internal Casing Cutter Adapter (multiple sizes)	969 482 000	69-4820-00



DynaPrep MDSF Split Frame
24" (610mm) Ring Set



Multiple drive options are
available for DynaPrep MDSF



All New DynaPrep MDSF
Tool-Free 6B Spline Drive Pinion



All New Dual Pin Design that
eliminates star wheel timing

DynaPrep MDSF Split Frame



DynaPrep MDSF
1.5" Stroke Slide



DynaPrep MDSF
2.5" Stroke Slide



DynaPrep MDSF
5.5" Stroke Slide

TOOL SLIDE SETS

Groundbreaking design with multiple patent pending features including Rapid Retract, MDSF tool slides are available in standard and high feed models plus dedicated standard and deep counterboring slides.

DESCRIPTION	CODE	PART #
SLIDE SET - 1.5" STROKE	969 461 503	69-4615-03
SLIDE SET - 2.5" STROKE	969 462 503	69-4625-03
SLIDE SET - 5.5" STROKE	969 465 503	69-4655-03
SLIDE SET - 1.5" STROKE - HIGH FEED	969 461 506	69-4615-06
SLIDE SET - 2.5" STROKE - HIGH FEED	969 462 506	69-4625-06
SLIDE SET - 5.5" STROKE - HIGH FEED	969 465 506	69-4655-06
SLIDE SET - O.D. TRACKING	969 460 400	69-4604-00
SLIDE - COUNTER BORE SHORT	969 460 500	69-4605-00
SLIDE - COUNTER BORE DEEP	969 460 600	69-4606-00

TOOLING

The industry's most innovative split frame deserves the industry's most advanced tooling. DuoEdge 1" square tooling designed for the MDSF is a holder and insert system that offers superior performance at a lower cost.

DESCRIPTION	APPLICATION	MATERIAL	CODE	PART #
DUOEDGE HOLDER, 37 1/2° INSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 201	69-7002-01
DUOEDGE HOLDER, 37 1/2° OUTSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 301	69-7003-01
DUOEDGE HOLDER, 30° INSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 401	69-7004-01
DUOEDGE HOLDER, 30° OUTSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 501	69-7005-01
TOOLING HOLDER, 10-37 1/2° INSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 801	69-7008-01
TOOLING HOLDER, 10-37 1/2° OUTSIDE BEVEL	Insert Tooling Holder	Coated Steel	969 700 901	69-7009-01
DUOEDGE INSERT, 30° AND 37 1/2° INSIDE BEVEL	Carbon steel	HSS	969 700 202	69-7002-02
DUOEDGE INSERT, 30° AND 37 1/2° OUTSIDE BEVEL	Carbon steel	HSS	969 700 302	69-7003-02
TOOLING INSERT, 10-37 1/2° INSIDE BEVEL	Compound Bevel	HSS	969 700 802	69-7008-02
TOOLING INSERT, 10-37 1/2° OUTSIDE BEVEL	Compound Bevel	HSS	969 700 902	69-7009-02
DUOEDGE COUNTERBORE FORM TOOL HOLDER	Insert Tooling Holder	Coated Steel	969 700 700	69-7007-00
DUOEDGE COUNTERBORE SINGLE POINT HOLDER	Insert Tooling Holder	Coated Steel	969 700 701	69-7007-01
DUOEDGE SINGLE POINT HOLDER	Insert Tooling Holder	Coated Steel	960-718-000	60-718-00
DUOEDGE SINGLE POINT INSERT SINGLE PACK	Carbon steel	HSS	981 701 010	81-701-01
DUOEDGE SINGLE POINT INSERT 10-PACK	Carbon steel	HSS	981 701 100	81-701-10
DUOEDGE SINGLE POINT PREMIUM SINGLE PACK	Stainless steel	HSS Premium	981 701 009	81-701-00P
DUOEDGE SINGLE POINT PREMIUM 10-PACK	Stainless steel	HSS Premium	981 701 109	81-701-10P
DUOEDGE SINGLE POINT INSERT SINGLE PACK	High-temp alloys	Carbide	981 703 010	81-703-01
DUOEDGE SINGLE POINT INSERT 10-PACK	High-temp alloys	Carbide	981 703 100	81-703-10

AIR TREATMENT MODULE

Pneumatic power is the first choice of most field machinists, but untreated air can be rough on even the toughest air motors. Wachs ATM Air Treatment Modules condition and regulate the incoming air to extend motor life.

DESCRIPTION	CODE	PART #
AIR TREATMENT MODULE	969 410 000	69-4100-00
AIR TREATMENT MODULE REMOTE	969 410 100	69-4101-00

OTHER USES

Like every E.H. Wachs split frame, the DynaPrep MDSF will form the basis of a complete machining system that will be used in every corner of the world for tasks simple and complex. These tasks include trepanning, external and internal casing cutting, deep counterboring, large diameter flange facing, and SGR replacement projects, all completed with a precision that's measured in thousandths of an inch. Bring us your machining challenge - odds are we'll have a DynaPrep to handle it.