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1. CORE BARREL KIT SELECTION MECHANICAL - BO/NO/HO

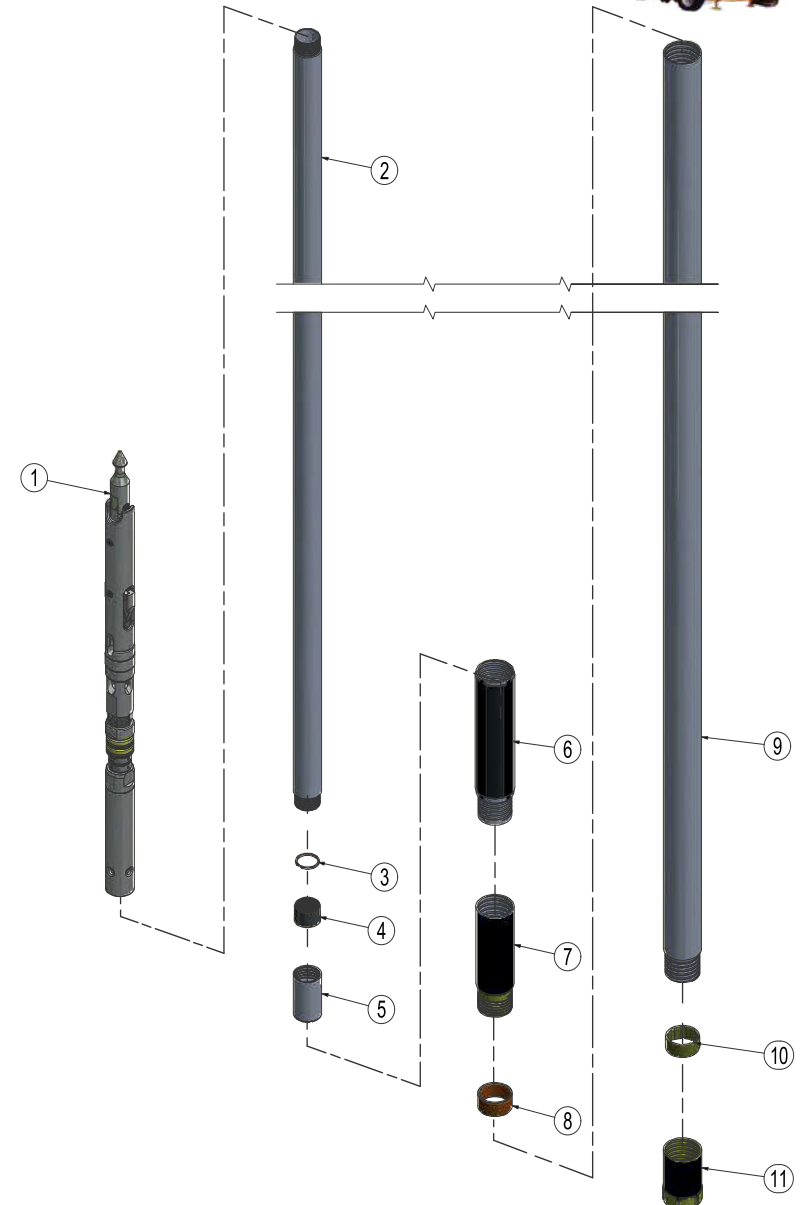


METAL TOOL DRILLING & SERVICES SAC



BO CORE BARREL KIT SELECTION						
ITEM	DESCRIPCION	CODIGO				
	BO CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD306412	X			
	BO INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3543000		X		
	BO CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD306411			X	
	BO INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3542999				X
1	BO HEAD ASSEMBLY LINK LATCH	MTD3542292	X	X	X	X
2	BO INNER TUBE 3.0 M /10 FT	MTD24339	X	X		
	BO INNER TUBE 1.5 M /5 FT	MTD24356			X	X
3	BO STOP RING	MTD24381	X	X	X	X
4	BO CORE LIFTER SLOTTED	MTD30487				
	BO CORE LIFTER FLUTTED	MTD24342				
5	BO CORE LIFTER CASE	MTD24830	X	X	X	X
6	BO LOCKING COUPLING FULL HOLE W/TANG	MTD3545401				
	BO LOCKING COUPLING COVENTIONAL W/TANG	MTD62762				
7	BO ADAPTER COUPLING	MTD24833	X	X	X	X
8	BO LANDING RING	MTD24345	X	X	X	X
9	BO OUTER TUBE 3.0 M/10 FT	MTD24346	X	X		
	BO OUTER TUB 1.5 M/5 FT	MTD24357			X	X
10	BO INNER TUBE STABILIZER	MTD44406	X	X	X	X
11	BO THREAD PROTECTOR (OUTER TUBE)	MTD24348	X	X	X	X

COMPONENTE ESTANDAR
REQUERIDO - SELECCIONAR UNO



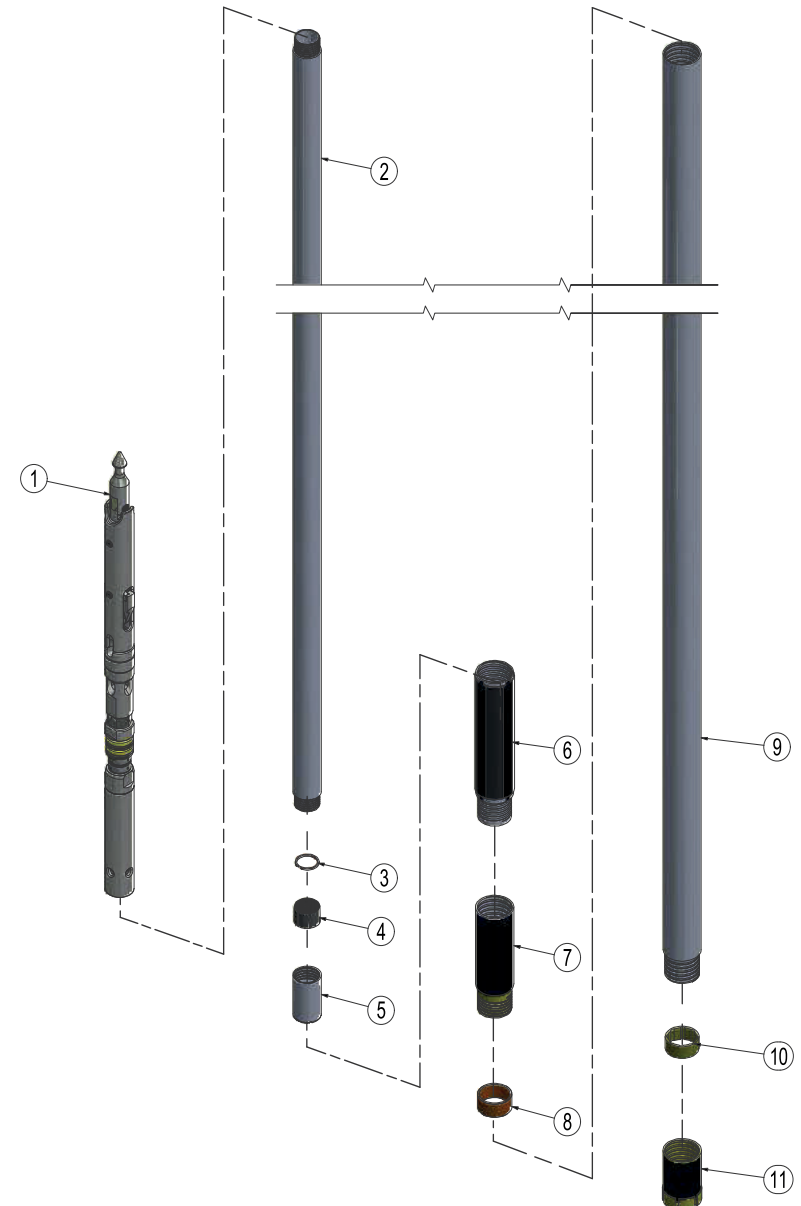
METAL TOOL DRILLING & SERVICES SAC



NO CORE BARREL KIT SELECTION					
ITEM	DESCRIPCION	CODIGO			
	NO CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD306002	X		
	NO INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3542921		X	
	NO CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD306001			X
	NO INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3542920			X
1	NO HEAD ASSEMBLY LINK LATCH	MTD3542751	X	X	X
2	NO INNER TUBE 3.0 M /10 FT	MTD24891	X	X	
	NO INNER TUBE 1.5 M /5 FT	MTD24909			X
3	NO STOP RING	MTD24893	X	X	X
4	NO CORE LIFTER SLOTTED	MTD30488			
	NO CORE LIFTER FLUTTED	MTD24894			
5	NO CORE LIFTER CASE	MTD24892	X	X	X
6	NO LOCKING COUPLING FULL HOLE W/TANG	MTD3546190			
	NO LOCKING COUPLING COVENTIONAL W/TANG	MTD62764			
7	NO ADAPTER COUPLING	MTD24896	X	X	X
8	NO LANDING RING	MTD24897	X	X	X
9	NO OUTER TUBE 3.0 M/10 FT	MTD24898	X	X	
	NO OUTER TUB 1.5 M/5 FT	MTD24910			X
10	NO INNER TUBE STABILIZER	MTD44407	X	X	X
11	NO THREAD PROTECTOR (OUTER TUBE)	MTD24900	X	X	X

COMPONENTE ESTANDAR

REQUERIDO - SELECCIONAR UNO



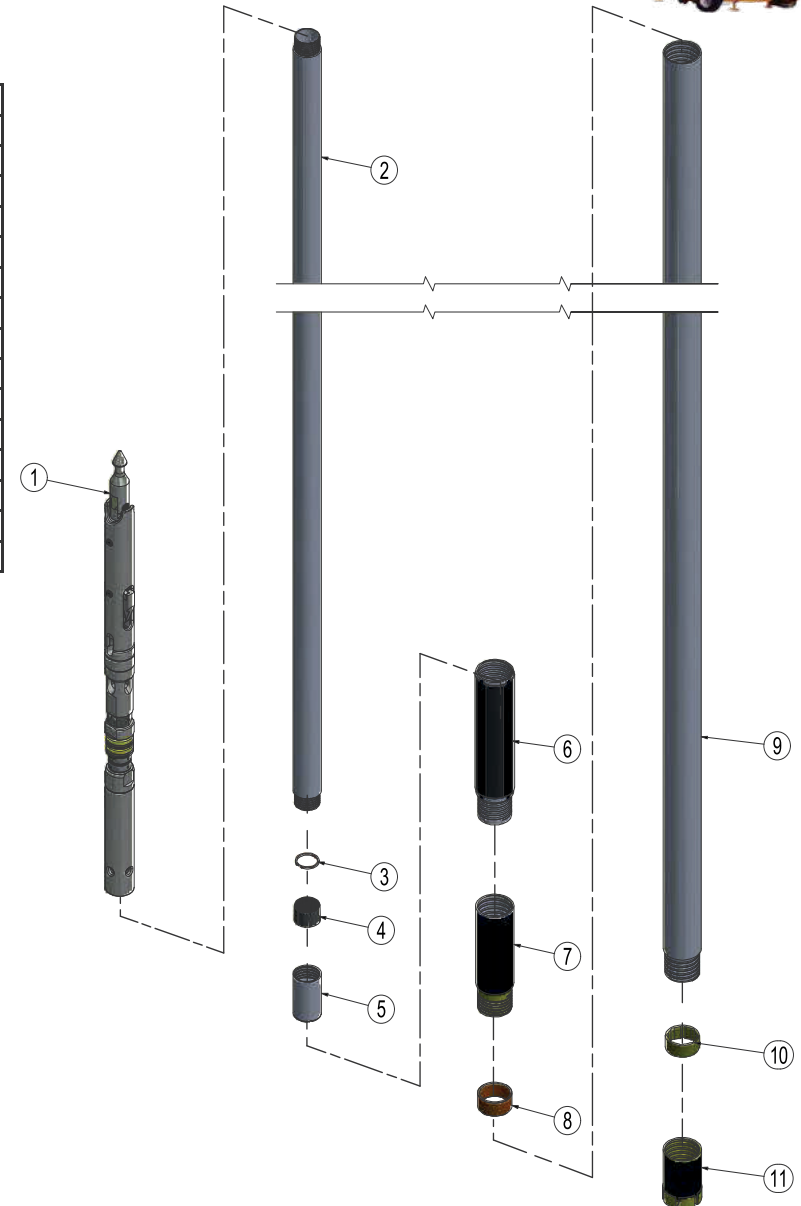
METAL TOOL DRILLING & SERVICES SAC



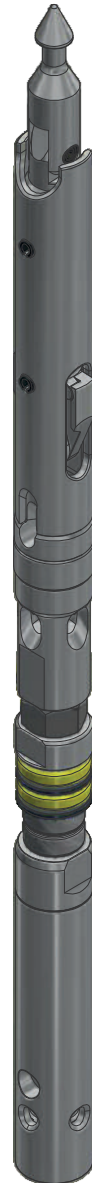
HO CORE BARREL KIT SELECTION						
ITEM	DESCRIPCION	CODIGO				
	HO CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD3542947	X			
	HO INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3542943		X		
	HO CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD3542946			X	
	HO INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3542942				X
1	HO HEAD ASSEMBLY LINK LATCH	MTD5001440	X	X	X	X
2	HO INNER TUBE 3.0 M /10 FT	MTD25236	X	X		
	HO INNER TUBE 1.5 M /5 FT	MTD25258			X	X
3	HO STOP RING	MTD25238	X	X	X	X
4	HO CORE LIFTER SLOTTED	MTD30489				
	HO CORE LIFTER FLUTTED	MTD25239				
5	HO CORE LIFTER CASE	MTD25237	X	X	X	X
6	HO LOCKING COUPLING FULL HOLE W/TANG	MTD3545410				
	HO LOCKING COUPLING COVENTIONAL W/TANG	MTD62765				
7	HO ADAPTER COUPLING	MTD3546707	X	X	X	X
8	HO LANDING RING	MTD25242	X	X	X	X
9	HO OUTER TUBE 3.0 M/10 FT	MTD25243	X	X		
	HO OUTER TUB 1.5 M/5 FT	MTD25259			X	X
10	HO INNER TUBE STABILIZER	MTD44408	X	X	X	X
11	HO THREAD PROTECTOR (OUTER TUBE)	MTD25245	X	X	X	X

COMPONENTE ESTANDAR

REQUERIDO - SELECCIONAR UNO



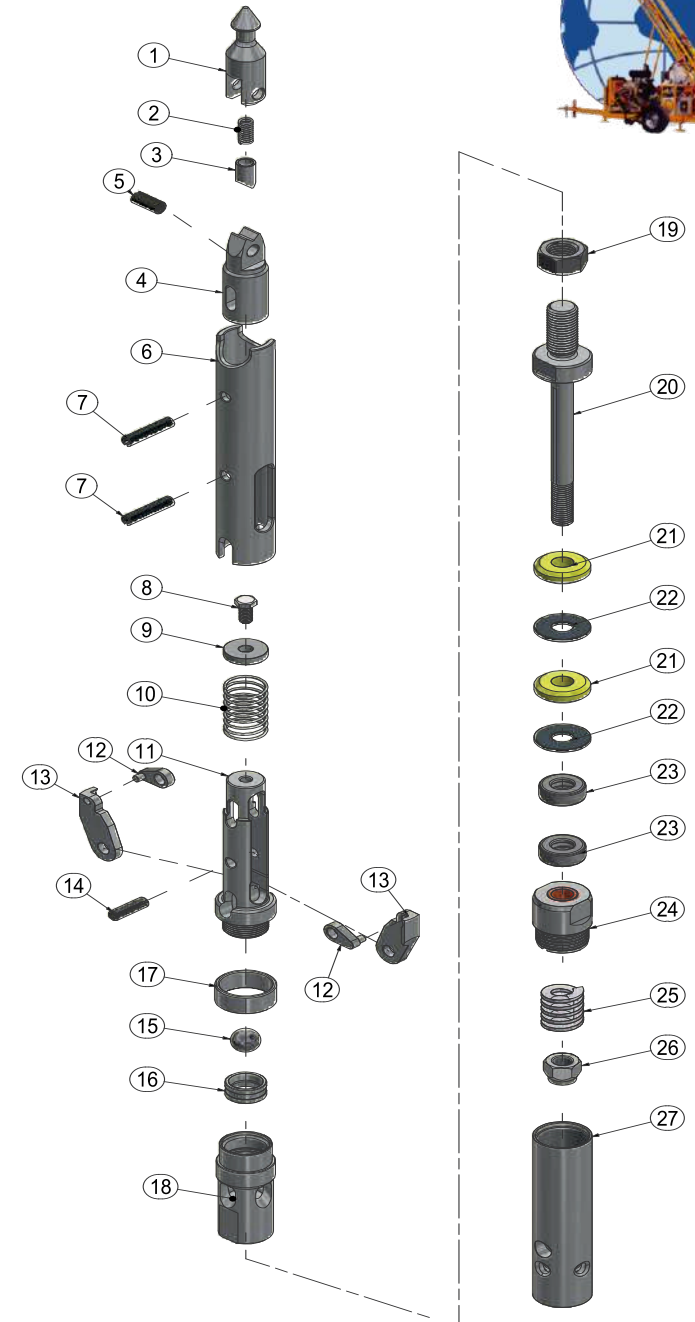
2. HEAD ASSEMBLY MECHANICAL BO/NO/HO



METAL TOOL DRILLING & SERVICES SAC

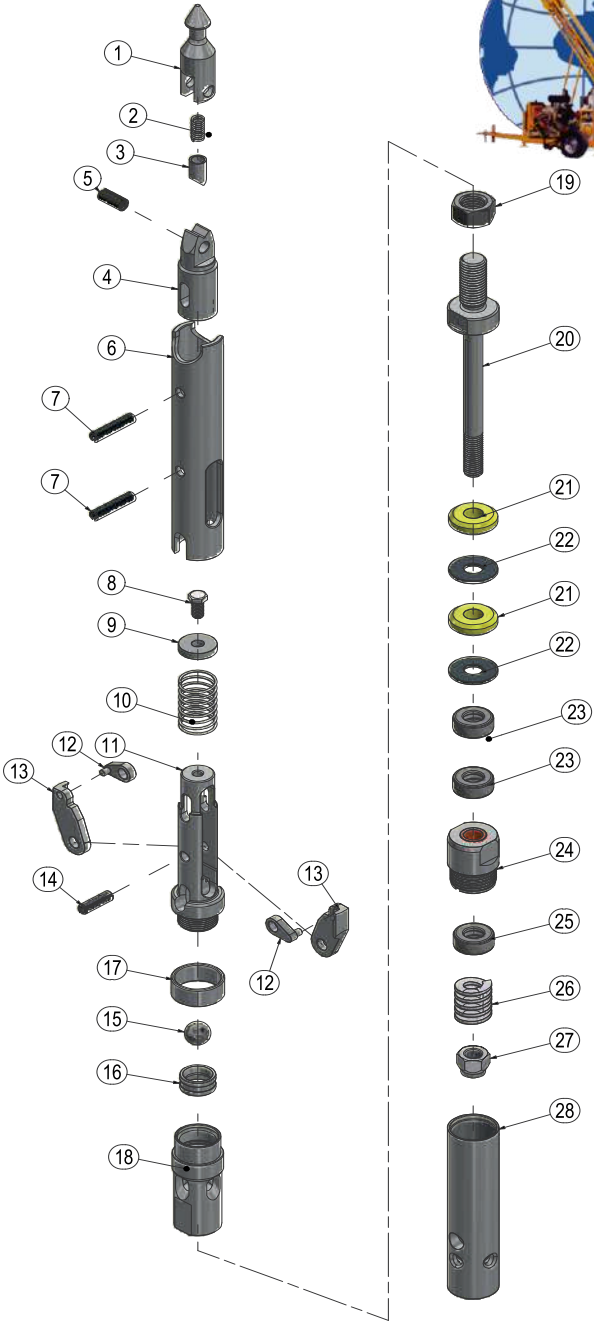


HEAD ASSEMBLY BO MTD 3542292			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008323-1	1
2	COMPRESSION SPRING	MTD5008323-2	1
3	DETENT PLUNGER	MTD5008323-3	1
4	SPEARHEAD BASE	MTD5008323-4	1
5	SPIROL PIN	MTD5008323-5	1
6	LATCH RETRACTING CASE	MTD3541647	1
7	SPRING PIN	MTD23941	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER	MTD306417	1
10	LATCH COMPRESSION SPRING	MTD3543180	1
11	UPPER LATCH BODY	MTD3541621	1
12	LATCH	MTD306417	2
13	LINK	MTD306418	2
14	SPRING PIN	MTD23944	1
15	STAINLESS STEEL BALL	MTD6237	1
16	INDICATOR BUSHING	MTD62380	1
17	LANDING SHOULDER	MTD306421	1
18	LOWER LATCH BODY	MTD306578	1
19	HEX NUT	MTD44601	1
20	SPINDLE	MTD24331	1
21	SHUT-OFF VALVE HARD	MTD44208	2
22	VALVE ADJUSTING WASHER	MTD24335	2
23	HANGER BEARING BO	MTD24335	2
24	SPINDLE BEARING	MTD24336	1
25	COMPRESSION SPRING	MTD24031	1
26	STOVER LOCK NUT	MTD5008633	1
27	INNER TUBE CAP ASSEMBLY	MTD40656	1



METAL TOOL DRILLING & SERVICES SAC

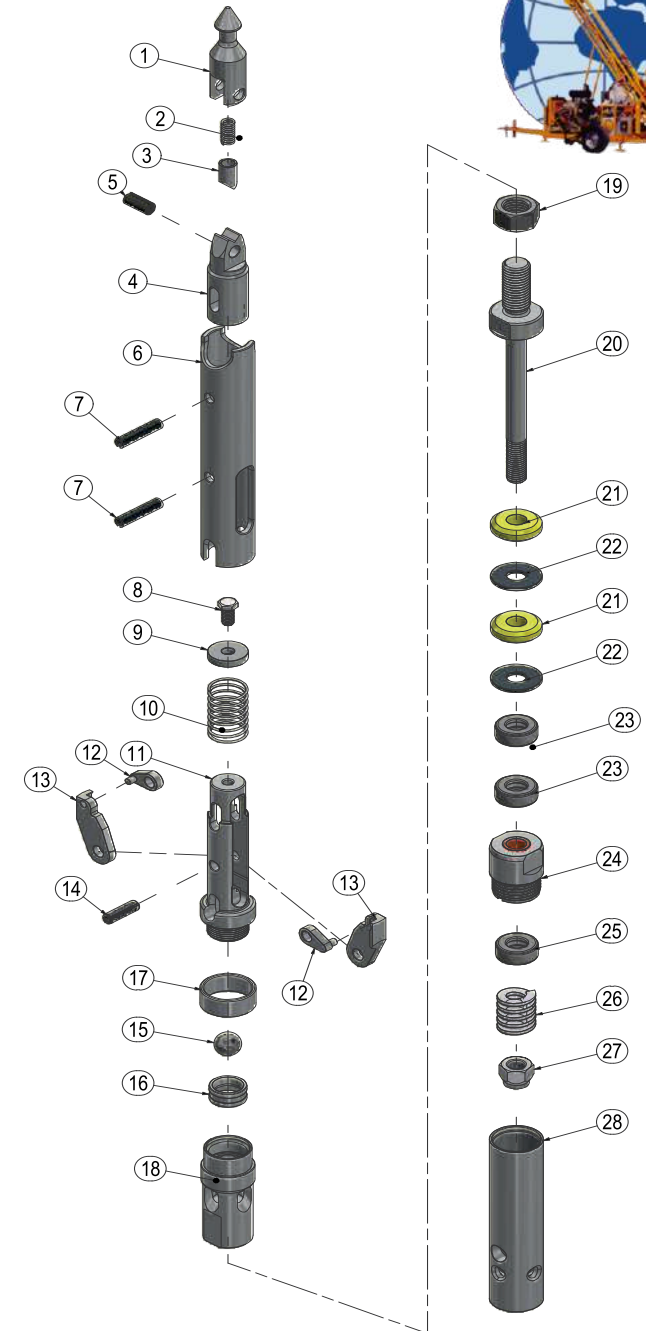
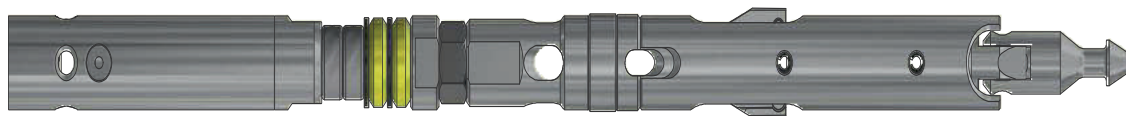
HEAD ASSEMBLY NO MTD 3542751			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008324-1	1
2	COMPRESSION SPRING	MTD5008324-2	1
3	DETENT PLUNGER	MTD5008324-3	1
4	SPEARHEAD BASE	MTD5008324-4	1
5	SPIROL PIN	MTD5008324-5	1
6	LATCH RETRACTING CASE	MTD306455	1
7	SPRING PIN	MTD24305	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER	MTD306022	1
10	LATCH COMPRESSION SPRING	MTD3543136	1
11	UPPER LATCH BODY	MTD3548336	1
12	LATCH	MTD104816	2
13	LINK	MTD104817	2
14	SPRING PIN	MTD24548	1
15	STAINLESS STEEL BALL	MTD62374	1
16	INDICATOR BUSHING	MTD62380	1
17	LANDING SHOULDER	MTD306009	1
18	LOWER LATCH BODY	MTD306008	1
19	HEX NUT	MTD24885	1
20	SPINDLE	MTD24886	1
21	SHUT-OFF VALVE HARD	MTD44209	2
22	VALVE ADJUSTING WASHER	MTD24888	2
23	THRUST BEARING	MTD24312	1
24	SPINDLE BEARING	MTD24889	1
25	HANGER BEARING BO	MTD18298	1
26	COMPRESSION SPRING	MTD24313	1
27	STOVER LOCK NUT	MTD5008697	1
28	INNER TUBE CAP ASSEMBLY	MTD40664	1



METAL TOOL DRILLING & SERVICES SAC



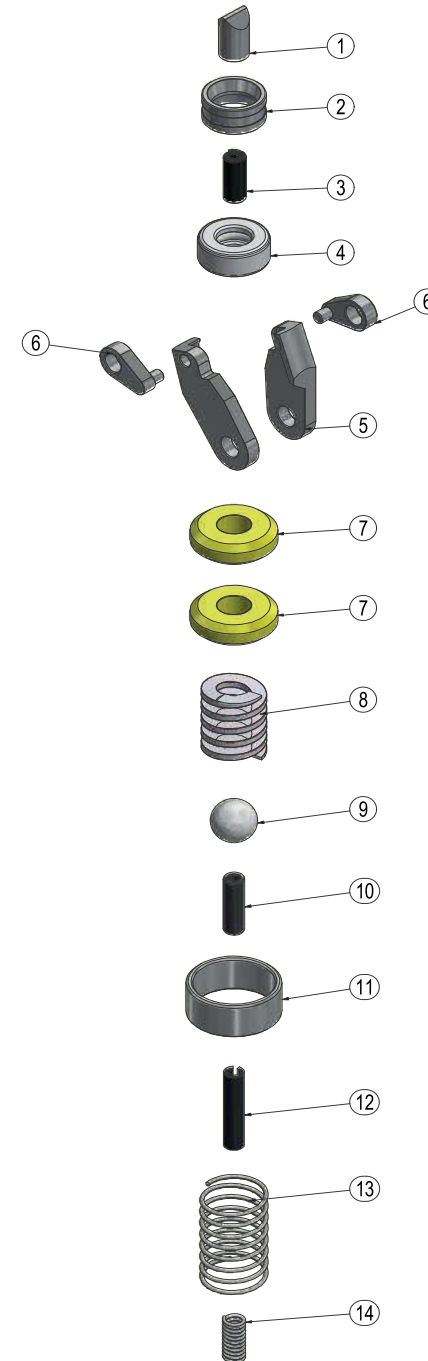
HEAD ASSEMBLY HO MTD 5001440			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008325-1	1
2	COMPRESSION SPRING	MTD5008325-2	1
3	DETENT PLUNGER	MTD5008325-3	1
4	SPEARHEAD BASE	MTD5008325-4	1
5	SPIROL PIN	MTD5008325-5	1
6	LATCH RETRACTING CASE	MTD5001332	1
7	SPRING PIN	MTD24524	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER	MTD104953	1
10	LATCH COMPRESSION SPRING	MTD3543619	1
11	UPPER LATCH BODY	MTD5001342	1
12	LATCH	MTD104818	2
13	LINK	MTD306216	2
14	SPRING PIN	MTD24305	1
15	STAINLESS STEEL BALL	MTD24305	1
16	INDICATOR BUSHING	MTD62380	1
17	LANDING SHOULDER	MTD104958	1
18	LOWER LATCH BODY	MTD104957	1
19	HEX NUT	MTD44574	1
20	SPINDLE	MTD25231	1
21	SHUT-OFF VALVE HARD	MTD43513	2
22	VALVE ADJUSTING WASHER	MTD25233	2
23	THRUST BEARING	MTD24528	2
24	SPINDLE BEARING	MTD25234	1
25	HANGER BEARING BO	MTD24312	1
26	COMPRESSION SPRING	MTD24529	1
27	STOVER LOCK NUT	MTD5008634	1
28	INNER TUBE CAP ASSEMBLY	MTD40678	1



METAL TOOL DRILLING & SERVICES SAC



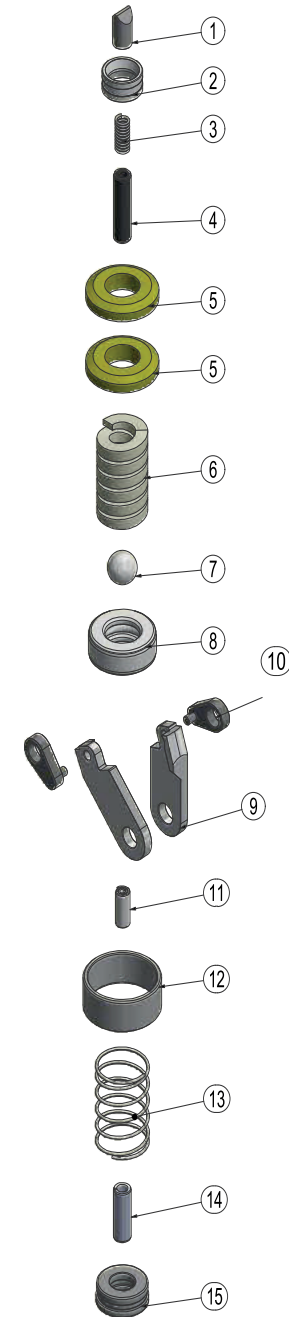
REPAIR KIT HEAD ASSEMBLY BO MTD 3542292K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER	MTD5008323-3	1
2	INDICATOR BUSHING	MTD62380	1
3	SPIROL PIN	MTD5008323-4	1
4	THRUST/HANGER BEARING	MTD24030	2
5	LATCH	MTD306417	2
6	LINK	MTD306418	2
7	SHUT-OFF VALVE HARD	MTD44208	2
8	COMPRESSION SPRING	MTD24031	1
9	STAINLESS STEEL BALL	MTD62374	1
10	SPRING PIN	MTD23944	1
11	LANDING SHOULDER	MTD306421	1
12	SPRING PIN	MTD23941	2
13	LATCH COMPRESSION SPRING	MTD3543180	1
14	COMPRESSION SPRING	MTD5008323-2	1



METAL TOOL DRILLING & SERVICES SAC



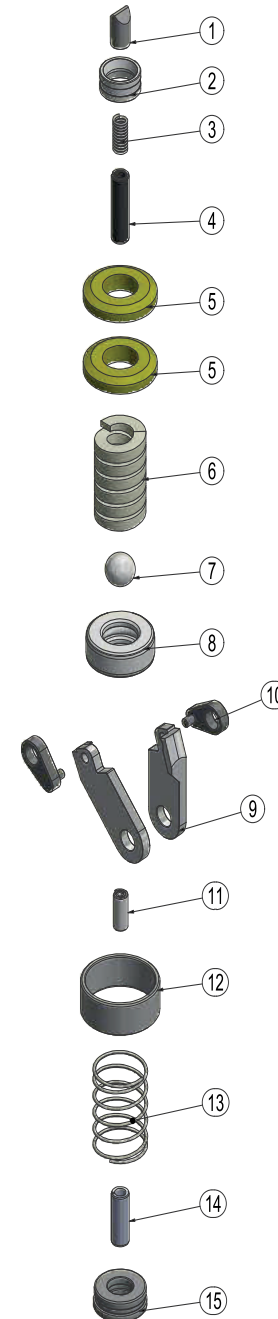
REPAIR KIT HEAD ASSEMBLY NO MTD 3542751K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER	MTD5008324-3	1
2	INDICATOR BUSHING	MTD62380	1
3	COMPRESSION SPRING	MTD5008324-2	1
4	SPRING PIN	MTD24305	2
5	SHUT-OFF VALVE HARD	MTD44209	2
6	COMPRESSION SPRING	MTD24313	1
7	STAINLESS STEEL BALL	MTD62374	1
8	HANGER/THRUST BEARING	MTD24312	1
9	LATCH	MTD104816	2
10	LINK	MTD306454	2
11	SPIROL PIN	MTD5008324-4	1
12	LANDING SHOULDER	MTD306009	1
13	LATCH COMPRESSION SPRING	MTD3543812	1
14	SPRING PIN	MTD24548	1
15	HANGER BEARING	MTD18298	1



METAL TOOL DRILLING & SERVICES SAC



REPAIR KIT HEAD ASSEMBLY HO MTD 5001440K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER	MTD5008325-3	1
2	INDICATOR BUSHING	MTD62380	1
3	COMPRESSION SPRING	MTD5008325-2	1
4	SPRING PIN	MTD24524	2
5	SHUT-OFF VALVE HARD	MTD43513	2
6	COMPRESSION SPRING	MTD24529	1
7	STAINLESS STEEL BALL	MTD62374	1
8	HANGER/THRUST BEARING	MTD24528	2
9	LATCH	MTD104818	2
10	LINK	MTD306216	2
11	SPIROL PIN	MTD5008325-4	1
12	LANDING SHOULDER	MTD104958	1
13	LATCH COMPRESSION SPRING	MTD3543619	1
14	SPRING PIN	MTD24305	1
15	HANGER BEARING	MTD24312	1



3. CORE BARREL KIT SELECTION HYDRAULIC - BOU/NOU/HOU

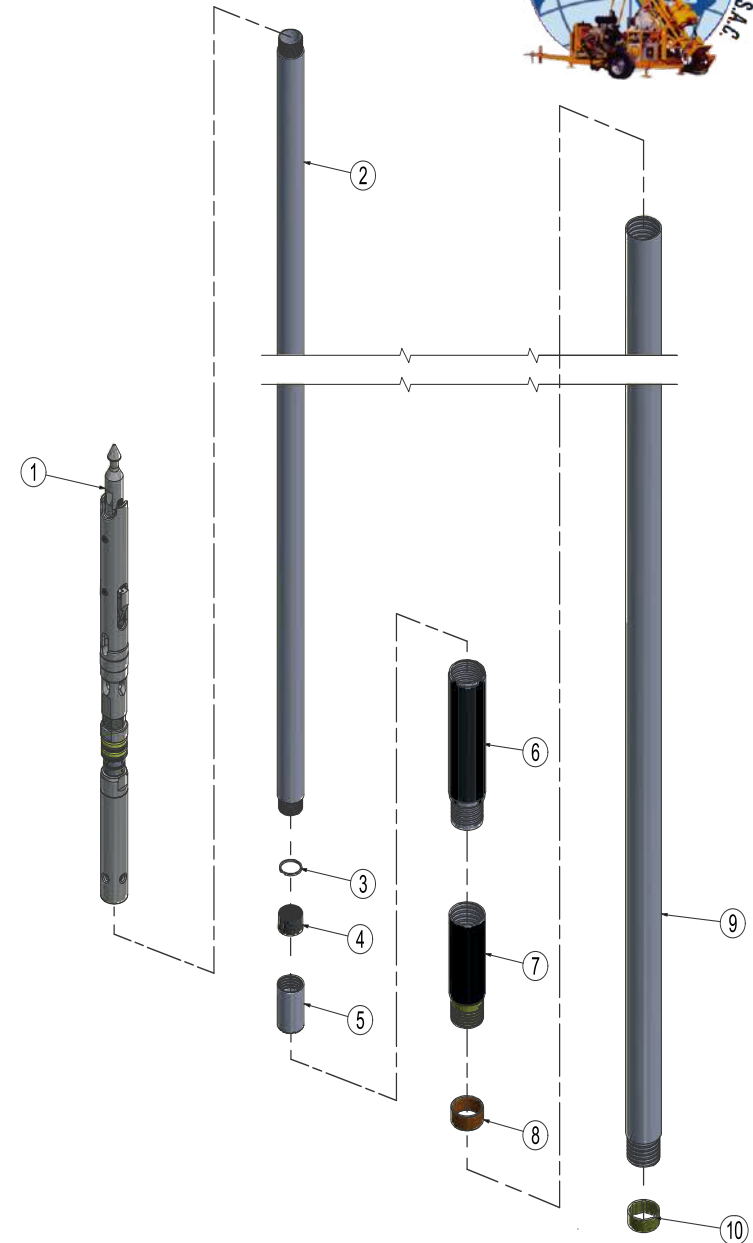


METAL TOOL DRILLING & SERVICES SAC



BOU CORE BARREL KIT SELECTION						
ITEM	DESCRIPCION	CODIGO				
	BOU CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD3544024	X			
	BOU INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3544036		X		
	BOU CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD3544018			X	
	BOU INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3544030				X
1	BOU HEAD ASSEMBLY LINK LATCH	MTD3544012	X	X	X	X
2	BOU INNER TUBE 3.0 M /10 FT	MTD24339	X	X		
	BOU INNER TUBE 1.5 M /5 FT	MTD24356			X	X
3	BOU STOP RING	MTD24831	X	X	X	X
4	BOU CORE LIFTER SLOTTED	MTD30487				
	BOU CORE LIFTER FLUTTED	MTD24342				
5	BOU CORE LIFTER CASE	MTD24830	X	X	X	X
6	BOU LOCKING COUPLING FULL HOLE W/TANG	MTD3545401				
	BOU LOCKING COUPLING COVENTIONAL W/TANG	MTD62762				
7	BOU ADAPTER COUPLING	MTD3546704	X	X	X	X
8	BOU LANDING RING	MTD24345	X	X	X	X
9	BOU OUTER TUBE 3.0 M/10 FT	MTD24346	X	X		
	BOU OUTER TUB 1.5 M/5 FT	MTD24357			X	X
10	BOU INNER TUBE STABILIZER	MTD44406	X	X	X	X

COMPONENTE ESTANDAR
REQUERIDO - SELECCIONAR UNO

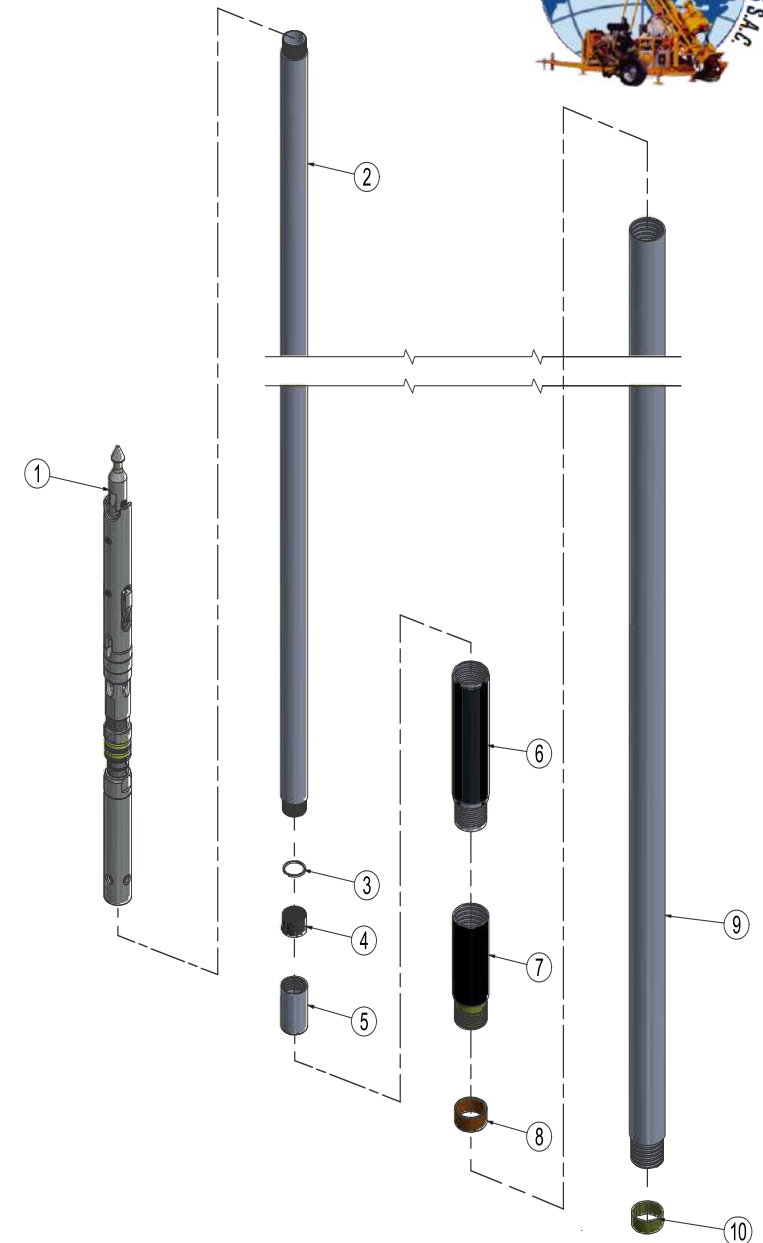


METAL TOOL DRILLING & SERVICES SAC



NOU CORE BARREL KIT SELECTION						
ITEM	DESCRIPCION	CODIGO				
	NOU CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD3544026	X			
	NOU INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3544038		X		
	NOU CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD3544020			X	
	NOU INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3544032				X
1	NOU HEAD ASSEMBLY LINK LATCH	MTD3548625	X	X	X	X
2	NOU INNER TUBE 3.0 M /10 FT	MTD24891	X	X		
	NOU INNER TUBE 1.5 M /5 FT	MTD24909			X	X
3	NOU STOP RING	MTD24893	X	X	X	X
4	NOU CORE LIFTER SLOTTED	MTD30488				
	NOU CORE LIFTER FLUTTED	MTD24894				
5	NOU CORE LIFTER CASE	MTD24892	X	X	X	X
6	NOU LOCKING COUPLING FULL HOLE W/TANG	MTD3546190				
	NOU LOCKING COUPLING COVENTIONAL W/TANG	MTD62764				
7	NOU ADAPTER COUPLING	MTD3546706	X	X	X	X
8	NOU LANDING RING	MTD24897	X	X	X	X
9	NOU OUTER TUBE 3.0 M/10 FT	MTD24898	X	X		
	NOU OUTER TUB 1.5 M/5 FT	MTD24910			X	X
10	NOU INNER TUBE STABILIZER	MTD44407	X	X	X	X

	COMPONENTE ESTANDAR
	REQUERIDO - SELECCIONAR UNO



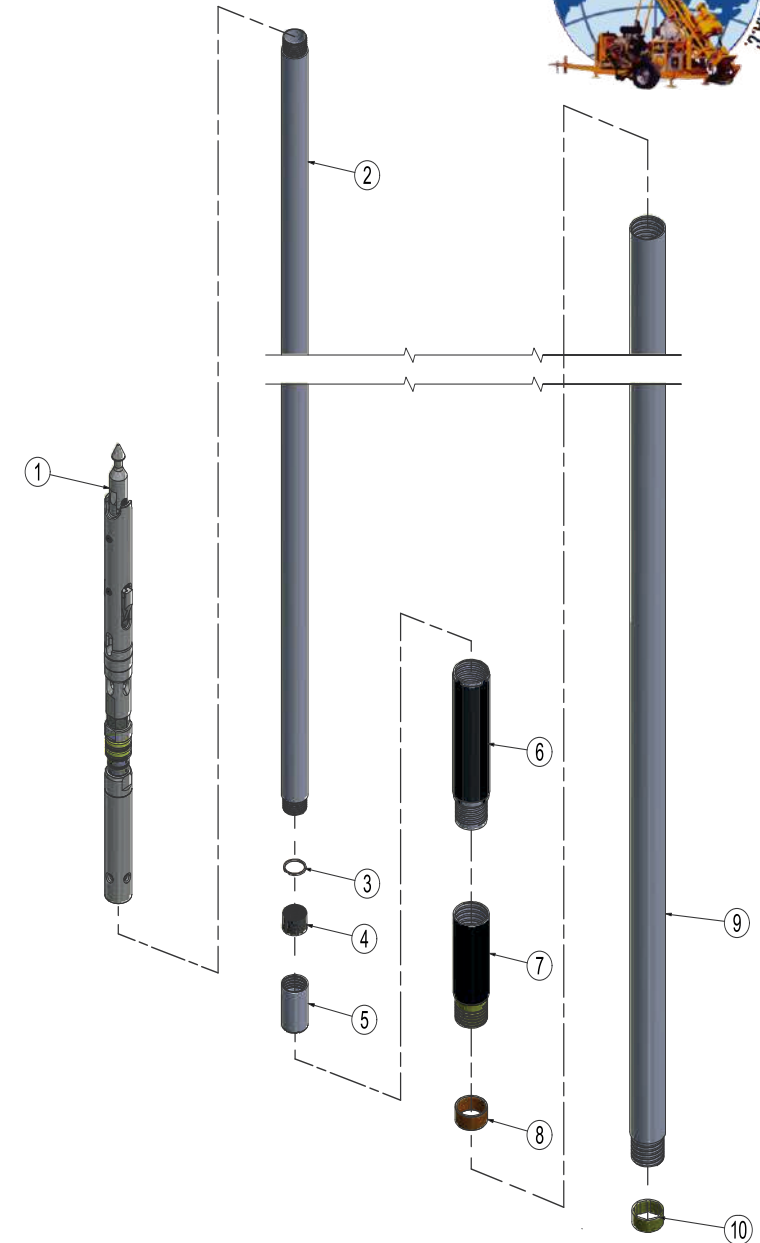
METAL TOOL DRILLING & SERVICES SAC



HOU CORE BARREL KIT SELECTION							
ITEM	DESCRIPCION	CODIGO					
	HOU CORE BARREL ASSEMBLY LINK LATCH 3.0 M/10 FT	MTD3544028	X				
	HOU INNER TUBE GROUP LINK LATCH 3.0 M /10 FT	MTD3544040		X			
	HOU CORE BARREL ASSEMBLY LINK LATCH 1.5 M/ 5 FT	MTD3544022			X		
	HOU INNER TUBE GROUP LINK LATCH 1.5 M/5 FT	MTD3544034				X	
1	HOU HEAD ASSEMBLY LINK LATCH	MTD3548750	X	X	X	X	
2	HOU INNER TUBE 3.0 M /10 FT	MTD25236	X	X			
	HOU INNER TUBE 1.5 M /5 FT	MTD25258			X	X	
3	HOU STOP RING	MTD25238	X	X	X	X	
4	HOU CORE LIFTER SLOTTED	MTD30489					
	HOU CORE LIFTER FLUTTED	MTD25239					
5	HOU CORE LIFTER CASE	MTD25237	X	X	X	X	
6	HOU LOCKING COUPLING FULL HOLE W/TANG	MTD3545410					
	HOU LOCKING COUPLING COVENTIONAL W/TANG	MTD62765					
7	HOU ADAPTER COUPLING	MTD3546707	X	X	X	X	
8	HOU LANDING RING	MTD25242	X	X	X	X	
9	HOU OUTER TUBE 3.0 M/10 FT	MTD25243	X	X			
	HOU OUTER TUB 1.5 M/5 FT	MTD25259			X	X	
10	HOU INNER TUBE STABILIZER	MTD44408	X	X	X	X	

COMPONENTE ESTANDAR

REQUERIDO - SELECCIONAR UNO



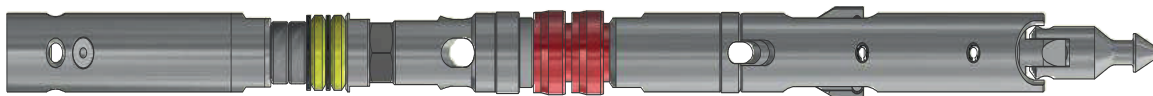
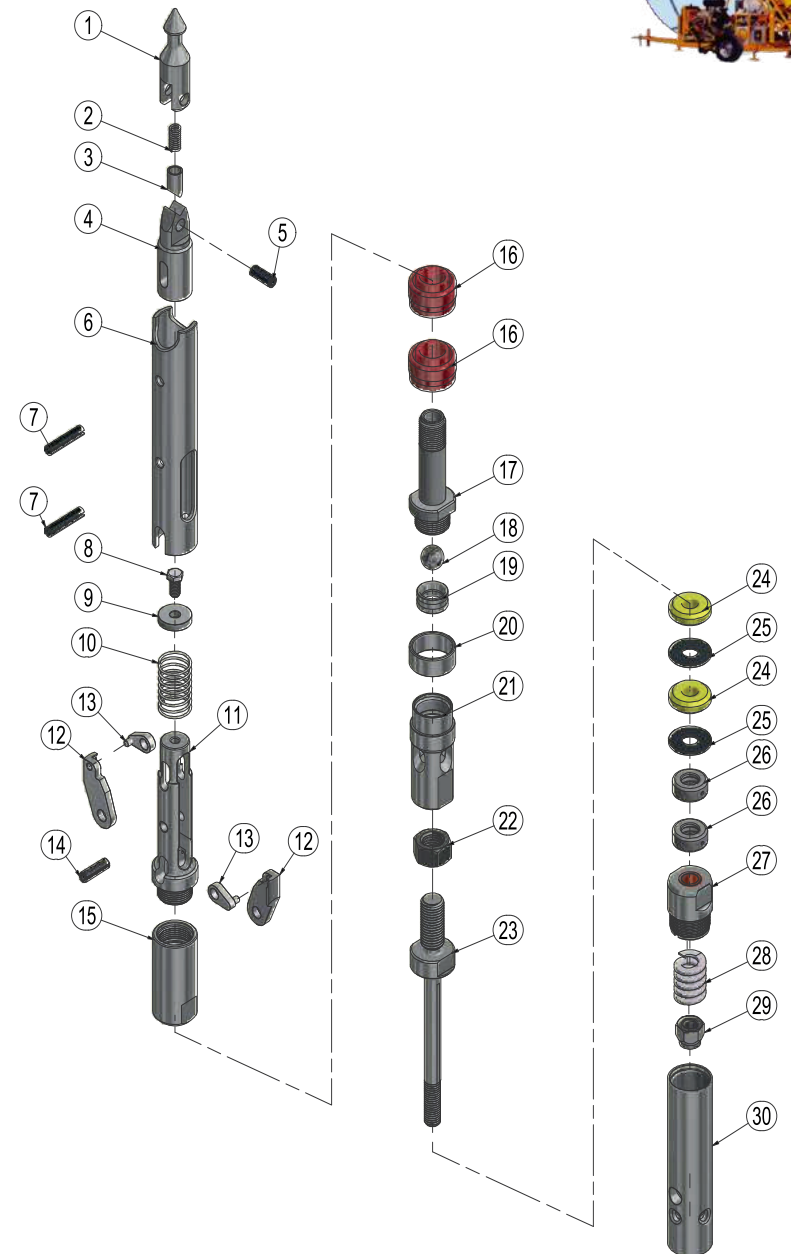
4. HEAD ASSEMBLY HYDRAULIC BOU/NOU/HOU



METAL TOOL DRILLING & SERVICES SAC



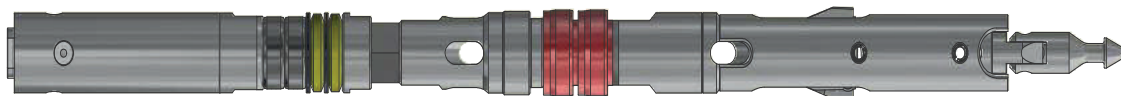
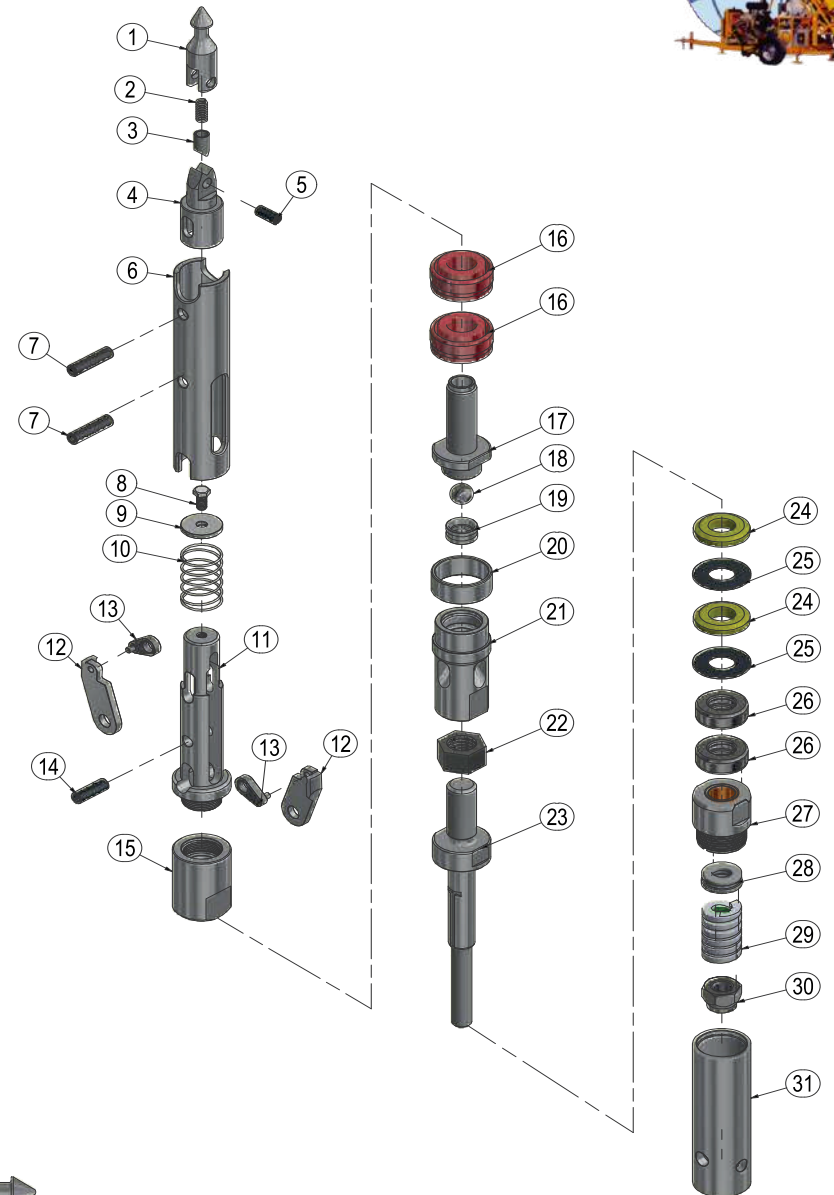
HEAD ASSEMBLY BOU MTD 3544012			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008323-1	1
2	COMPRESSION SPRING	MTD5008323-2	1
3	DETENT PLUNGER	MTD5008323-3	1
4	SPEARHEAD BASE	MTD5008323-4	1
5	SPIROL PIN	MTD5008323-5	1
6	LATCH RETRACTING CASE	MTD3547671	1
7	SPRING PIN	MTD23941	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER BO	MTD306427	1
10	LATCH COMPRESSION SPRING	MTD3541836	1
11	UPPER LATCH BODY	MTD3547725	1
12	LATCH	MTD306417	2
13	LINK	MTD306418	2
14	SPRING PIN	MTD23944	1
15	ADAPTER	MTD3543905	1
16	LIP SEAL PUMP - IN	MTD100690	2
17	SEAT SEAL	MTD3543906	1
18	STAINLESS STEEL BALL	MTD62374	1
19	INDICATOR BUSHING	MTD3543904	1
20	LANDING SHOULDER	MTD306421	1
21	LOWER LATCH BODY	MTD306578	1
22	HEX NUT	MTD44601	1
23	SPINDLE	MTD24331	1
24	SHUT-OFF VALVE HARD	MTD44208	2
25	VALVE ADJUSTING WASHER	MTD24335	2
26	THRUST/HANGER BEARING	MTD24030	2
27	SPINDLE BEARING	MTD24336	1
28	COMPRESSION SPRING	MTD24031	1
29	STOVER LOCK NUT	MTD5008633	1
30	INNER TUBE CAP ASSEMBLY	MTD40655	1



METAL TOOL DRILLING & SERVICES SAC



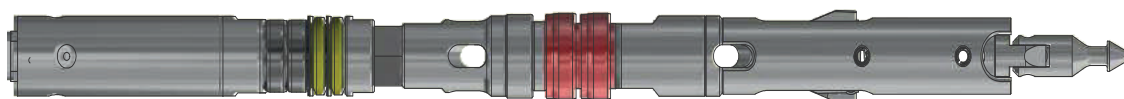
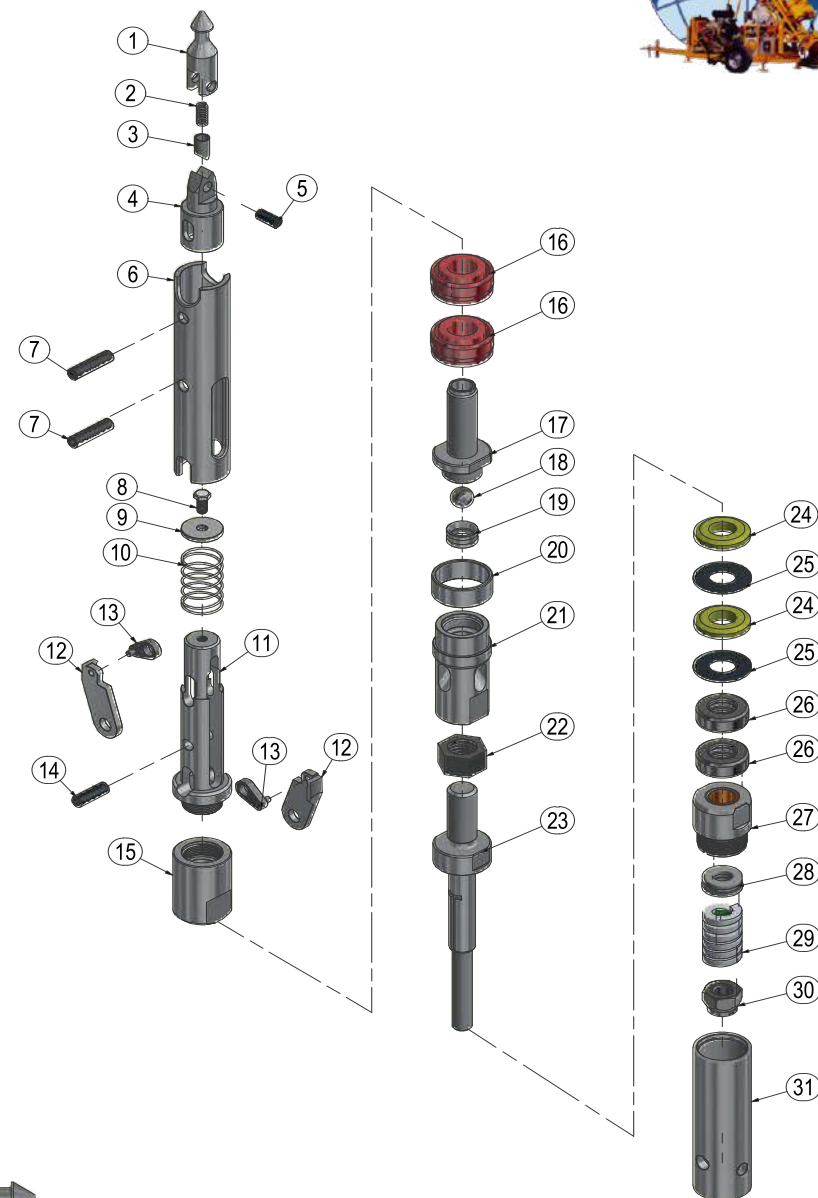
HEAD ASSEMBLY NOU MTD 3548625			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008324-1	1
2	COMPRESSION SPRING	MTD5008324-2	1
3	DETENT PLUNGER	MTD5008324-3	1
4	SPEARHEAD BASE	MTD5008324-4	1
5	SPIROL PIN	MTD5008324-5	1
6	LATCH RETRACTING CASE	MTD3548623	1
7	SPRING PIN	MTD24305	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER	MTD306022	1
10	LATCH COMPRESSION SPRING	MTD3543136	1
11	UPPER LATCH BODY	MTD3548336	1
12	LATCH	MTD104816	2
13	LINK	MTD104817	2
14	SPRING PIN	MTD24548	1
15	ADAPTER	MTD3543948	1
16	LIP SEAL PUMP - IN	MTD64302	2
17	SEAT SEAL	MTD3543949	1
18	STAINLESS STEEL BALL	MTD62374	1
19	INDICATOR BUSHING	MTD62380	1
20	LANDING SHOULDER	MTD306009	1
21	LOWER LATCH BODY	MTD306008	1
22	HEX NUT	MTD24885	1
23	SPINDLE	MTD24886	1
24	SHUT-OFF VALVE HARD	MTD44209	2
25	VALVE ADJUSTING WASHER	MTD24888	2
26	HANGER/THRUST BEARING	MTD24312	1
27	SPINDLE BEARING	MTD24889	1
28	HANGER BEARING	MTD18298	1
29	COMPRESSION SPRING	MTD24313	1
30	STOVER LOCK NUT	MTD5008697	1
31	INNER TUBE CAP ASSEMBLY	MTD40664	1



METAL TOOL DRILLING & SERVICES SAC



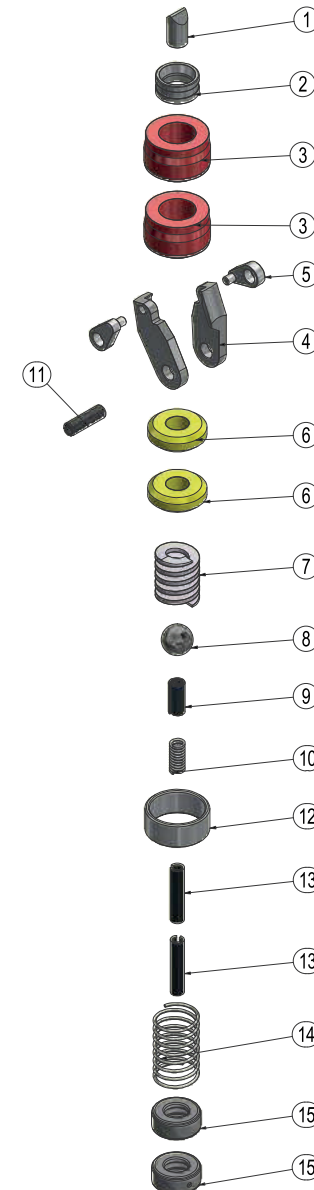
HEAD ASSEMBLY HOU MTD 3548750			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD POINT	MTD5008325-1	1
2	COMPRESSION SPRING	MTD5008325-2	1
3	DETENT PLUNGER	MTD5008325-3	1
4	SPEARHEAD BASE	MTD5008325-4	1
5	SPIROL PIN	MTD5008325-5	1
6	LATCH RETRACTING CASE	MTD3548749	1
7	SPRING PIN	MTD24524	2
8	NYLOK BOLT	MTD3541932	1
9	WASHER	MTD104953	1
10	LATCH COMPRESSION SPRING	MTD3548738	1
11	UPPER LATCH BODY	MTD3548546	1
12	LATCH	MTD104818	2
13	LINK	MTD3543999	2
14	SPRING PIN	MTD24305	1
15	ADAPTER	MTD3543995	1
16	LIP SEAL PUMP - IN	MTD100696	2
17	SEAT SEAL	MTD3543997	1
18	STAINLESS STEEL BALL	MTD62374	1
19	INDICATOR BUSHING	MTD3543904	1
20	LANDING SHOULDER	MT104958	1
21	LOWER LATCH BODY	MTD104957	1
22	HEX NUT	MTD44574	1
23	SPINDLE	MTD25231	1
24	SHUT-OFF VALVE HARD	MTD43513	2
25	VALVE ADJUSTING WASHER	MTD25233	2
26	HANGER/THRUST BEARING	MTD24528	2
27	SPINDLE BEARING	MTD25234	1
28	HANGER BEARING	MTD24312	1
29	COMPRESSION SPRING	MTD24529	1
30	STOVER LOCK NUT	MTD5008634	1
31	INNER TUBE CAP ASSEMBLY	MTD40678	1



METAL TOOL DRILLING & SERVICES SAC



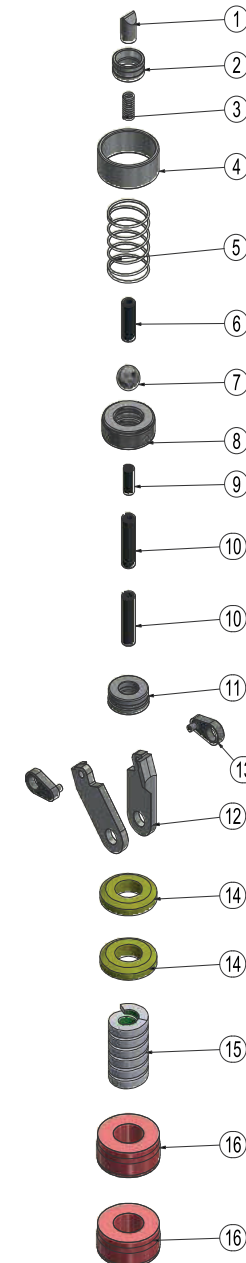
REPAIR KIT HEAD ASSEMBLY BOU MTD 3544012K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER HO/NO/BO	MTD5008323-3	1
2	INDICATOR BUSHING HO/NO/BO	MTD3543904	1
3	LIP SEAL PUMP - IN BOU	MTD100690	2
4	LATCH BO	MTD306417	2
5	LINK BO	MTD306418	2
6	SHUT-OFF VALVE HARD BO	MTD 44208	2
7	COMPRESSION SPRING BO	MTD24031	1
8	STAINLESS STEEL BALL	MTD62374	1
9	SPIROL PIN HO/NO/BO	MTD5008323-4	1
10	COMPRESSION SPRING HO/NO/BO	MTD503200-2	1
11	SPRING PIN BO	MTD23944	1
12	LANDING SHOULDER BO	MTD306421	1
13	SPRING PIN BO	MTD3541932	2
14	LATCH COMPRESSION SPRING BO	MTD3541836	1
15	THRUST/HANGER BEARING BO	MTD24030	2



METAL TOOL DRILLING & SERVICES SAC



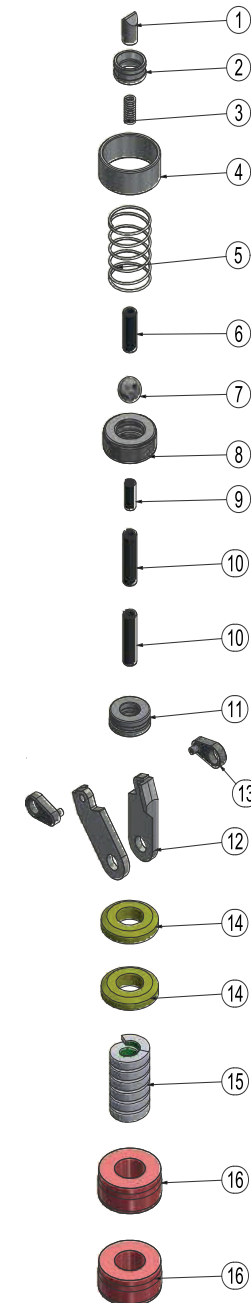
REPAIR KIT HEAD ASSEMBLY NOU MTD 3548625K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER	MTD5008324-3	1
2	INDICATOR BUSHING	MTD3543904	1
3	COMPRESSION SPRING	MTD5008324-2	1
4	LANDING SHOULDER	MTD306009	1
5	LATCH COMPRESSION SPRING	MTD3543136	1
6	SPRING PIN	MTD254548	1
7	STAINLESS STEEL BALL	MTD62374	1
8	HANGER/THRUST BEARING	MTD24312	1
9	SPIROL PIN	MTD5008324-4	1
10	SPRING PIN	MTD24305	2
11	HANGER BEARING	MTD18298	1
12	LATCH	MTD104816	2
13	LINK	MTD104817	2
14	SHUT-OFF VALVE HARD	MTD44209	2
15	COMPRESSION SPRING	MTD24313	1
16	LIP SEAL PUMP - IN	MTD64302	2



METAL TOOL DRILLING & SERVICES SAC



REPAIR KIT HEAD ASSEMBLY HOU MTD 3548750K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DETENT PLUNGER	MTD5008325-3	1
2	INDICATOR BUSHING	MTD3543904	1
3	COMPRESSION SPRING	MTD5008325-2	1
4	LANDING SHOULDER	MTD104958	1
5	LATCH COMPRESSION SPRING	MTD3548738	1
6	SPRING PIN	MTD24305	1
7	STAINLESS STEEL BALL	MTD62374	1
8	HANGER BEARING	MTD24312	1
9	SPIROL PIN	MTD5008325-5	1
10	SPRING PIN	MTD24524	2
11	HANGER/THRUST BEARING	MTD24528	2
12	LATCH	MTD104818	2
13	LINK	MTD3543999	2
14	SHUT-OFF VALVE HARD	MTD43513	2
15	COMPRESSION SPRING	MTD24529	1
16	LIP SEAL PUMP - IN	MTD100696	2



5. OVERSHOT ASSEMBLY MECHANICAL BO/NO/HO

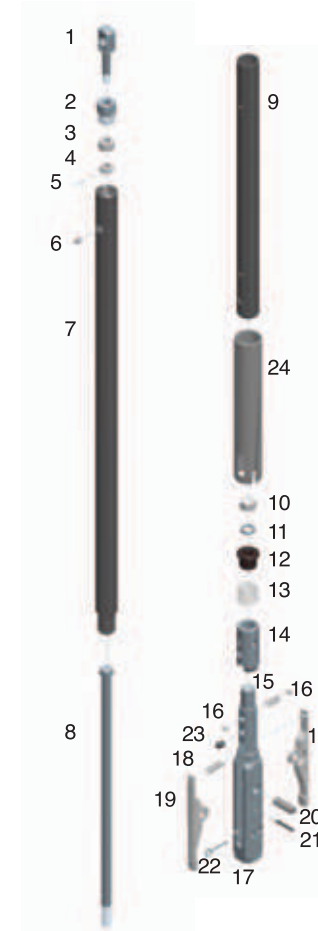


METAL TOOL DRILLING & SERVICES SAC

BQ™ / BQ™ TK EZY-LOCK™ OVERSHOT ASSEMBLY 3546822



ID #	PART #	DESCRIPTION	QTy	KG	LB
	3546822	BQ / BQTK EZy-Lock Overshot Assembly		15.58	34.27
1	MTD25991	BOLT CABLE SWIVEL EYE	1	0.11	0.24
2	MTD25990	COLLAR CABLE SWIVEL	1	0.11	0.24
3	MTD25986	BEARING BALL THRUST	1	0.01	0.02
4	MTD25985	NUT CASTLE HEX 1/2" UNF	1	0.02	0.04
5	MTD44615	COTTER PIN, 3/32" x 3/4"	1	0.01	0.02
6	MTD17447	FITTING HYD GREASE	1	0.01	0.02
7	MTD44434	CABLE SWIVEL BODY, BQ	1	5.15	11.33
8	MTD3546821	JAR STAFF, BQ	1	0.32	0.70
9	MTD44435	JAR TUBE, BQ	1	1.61	3.54
10	MTD15575	HEX NUT, 9/16"	1	0.20	0.44
11	MTD3548184	NORD-LOCK WASHER, 9/16"	1	0.01	0.02
12	MTD3546823	O/SHOT CAP, BQ, EZY-LOCK	1		
13	MTD3544104	O/SHOT SPRING, BQ, EZY-LOCK	1	0.02	0.04
14	MTD3546883	O/SHOT SLEEVE, BQ, EZY-LOCK	1		
15	MTD3545053	COMPRESSION SPRING	1	0.01	0.02
16	MTD3543772	BALL, 11/32"	2	0.02	0.04
17	MTD3546825	O/SHOT HEAD, BQ, EZY-LOCK	1	1.16	2.55
18	MTD6951	LIFTING DOG SPRING	1	0.02	0.04
19	MTD6950	LIFTING DOG O/SHOT BO	2	0.32	0.70
20	MTD5007836	PRESS PIN, 1/2" x 1 1/2"	1	0.05	0.11
21	MTD29073	SPIROL PIN, 3/16" x 1 3/8"	1	0.01	0.02
22	MTD3546747	LOCK LOCKING PIN	1	0.03	0.06
23	MTD3545073	NYLOK SET SCREW, 3/8" x 3/4"	1	6.00	13.20
24	MTD15575	LOCKING SLEEVE, BQ	1	0.70	1.54

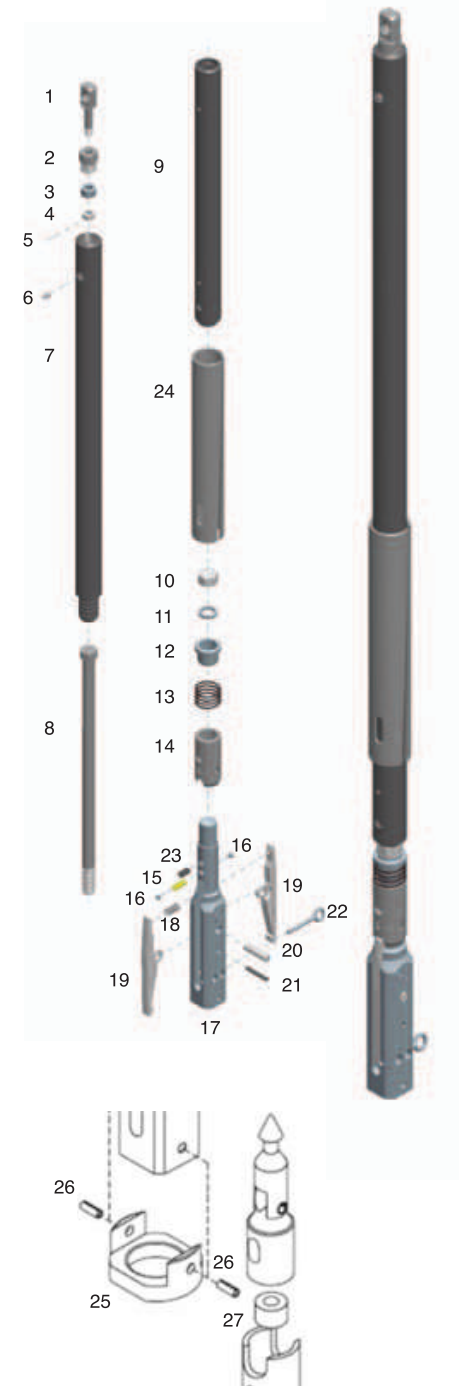


METAL TOOL DRILLING & SERVICES SAC



NQ™ /NQ™ TK/NQ™ 3 Ezy-LOCK™ OVERSHOT ASSEMBLY 3546744

ID #	PART #	DESCRIPTION	QTy	KG	LB
	3546744	NQ/NQTK/NQ3 Ezy-Lock Over-Shot Assembly		22.76	50.06
1	MTD25991	BOLT CABLE SWIVEL EYE	1	0.11	0.24
2	MTD25990	COLLAR CABLE SWIVEL	1	0.11	0.24
3	MTD25986	BEARING BALL THRUST	1	0.01	0.02
4	MTD25985	NUT CASTLE HEX 1/2" UNF	1	0.02	0.04
5	MTD44615	COTTER PIN, 3/32" x 3/4"	1	0.01	0.02
6	MTD17447	FITTING HYD GREASE	1	0.01	0.02
7	MTD44444	CABLE SWIVEL BODY, NQ	1	7.23	15.91
8	MTD3540516	JAR STAFF, NQ	1	1.02	2.24
9	MTD3540515	JAR TUBE, NQ	1	2.81	6.18
10	MTD44524	HEX NUT, 3/4" UNC	1	0.05	0.11
11	MTD3548178	NORD-LOCK WASHER, 3/4"	1	0.01	0.02
12	MTD3544103	O/SHOT CAP, NQ, EZY-LOCK	1	0.09	0.20
13	MTD3544105	O/SHOT SPRING, NQ, EZY-LOCK	1	0.03	0.06
14	MTD3546745	O/SHOT SLEEVE, NQ, EZY-LOCK	1	0.36	0.80
15	MTD6951	COMPRESSION SPRING	1	0.02	0.04
16	MTD3543772	BALL, 11/32"	2	0.02	0.04
17	MTD3546746	O/SHOT HEAD, NQ, EZY-LOCK	1	2.66	5.85
18	MTD3542027	LIFTING DOG SPRING	1	0.01	0.02
19	MTD3540529	LIFTING DOG O/SHOT NO	2	0.54	1.19
20	MTD5007833	PRESS PIN, 1/2" x 1 15/16"	1	0.05	0.11
21	MTD37394	SPIROL PIN, 1/4" x 1 3/4"	1	0.01	0.02
22	MTD3546747	LOCK LOCKING PIN	1	0.03	0.06
23	MTD3545073	NYLOK SET SCREW, 3/8" x 3/4"	1	6.00	13.20
24	MTD15965	LOCKING SLEEVE, NQ	1	1.56	3.43

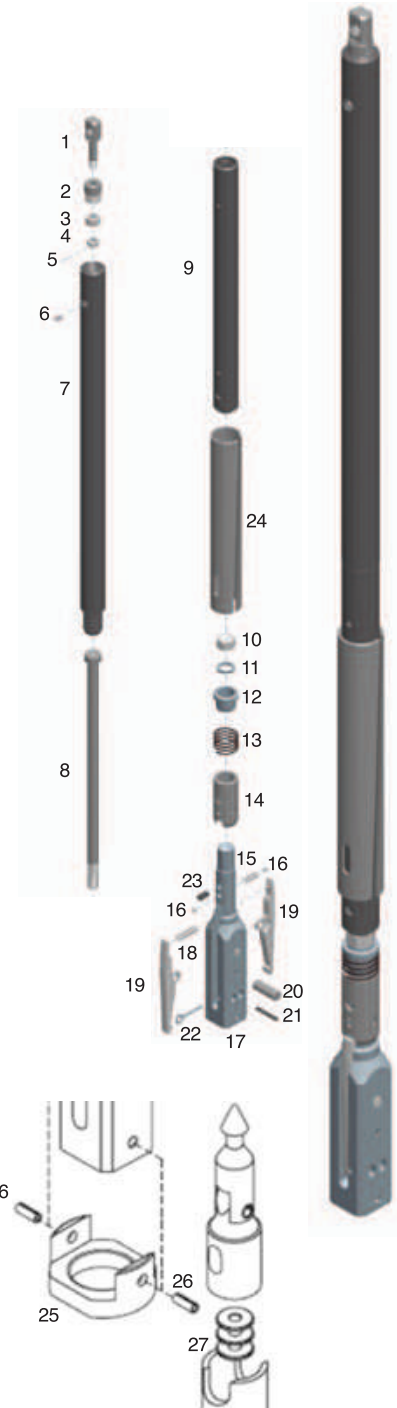


METAL TOOL DRILLING & SERVICES SAC



HQ™ EZY-LOCK™ OVERSHOT ASSEMBLY 3546750

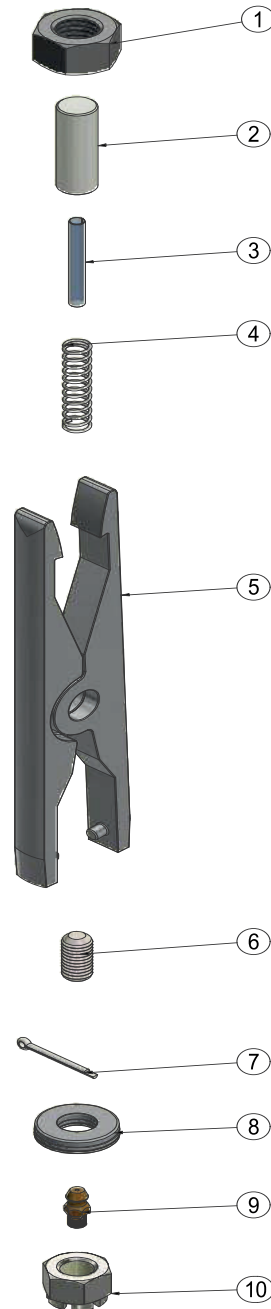
ID #	PART #	DESCRIPTION	QTy	KG	LB
	3546750	HQ EZy-Lock Over-Shot Assembly		25.52	56.15
1	MTD25991	BOLT CABLE SWIVEL EYE	1	0.11	0.24
2	MTD25990	COLLAR CABLE SWIVEL	1	0.11	0.24
3	MTD25986	BEARING BALL THRUST	1	0.01	0.02
4	MTD25985	NUT CASTLE HEX 1/2" UNF	1	0.02	0.04
5	MTD44615	COTTER PIN, 3/32" x 3/4"	1	0.01	0.02
6	MTD17447	FITTING HYD GREASE	1	0.01	0.02
7	MTD44444	CABLE SWIVEL BODY, HQ	1	7.23	15.91
8	MTD3540516	JAR STAFF, HQ	1	1.02	2.24
9	MTD3540515	JAR TUBE, HQ	1	2.81	6.18
10	MTD44524	HEX NUT, 3/4" UNC	1	0.05	0.11
11	MTD3548178	NORD-LOCK WASHER, 3/4"	1	0.01	0.02
12	MTD3544103	O/SHOT CAP, HQ, EZY-LOCK	1	0.09	0.20
13	MTD3544105	O/SHOT SPRING, HQ, EZY-LOCK	1	0.03	0.06
14	MTD3546745	O/SHOT SLEEVE, HQ, EZY-LOCK	1	0.36	0.80
15	MTD6951	COMPRESSION SPRING	1	0.02	0.04
16	MTD3543772	BALL, 11/32"	2	0.02	0.04
17	MTD3546748	O/SHOT HEAD, HQ, EZY-LOCK	1	5.45	12.00
18	MTD3542027	LIFTING DOG SPRING	1	0.01	0.02
19	MTD3540529	LIFTING DOG O/SHOT NO	2	0.54	1.19
20	MTD5007834	PRESS PIN, 1/2" x 2 1/8"	1	0.02	0.04
21	MTD24307	SPIROL PIN, 1/4" x 1 3/4"	1	0.01	0.02
22	MTD3546747	LOCK LOCKING PIN	1	0.03	0.06
23	MTD3545073	NYLOK SET SCREW, 3/8" x 3/4"	1	6.00	13.20
24	MTD15965	LOCKING SLEEVE, NQ	1	1.56	3.43



METAL TOOL DRILLING & SERVICES SAC



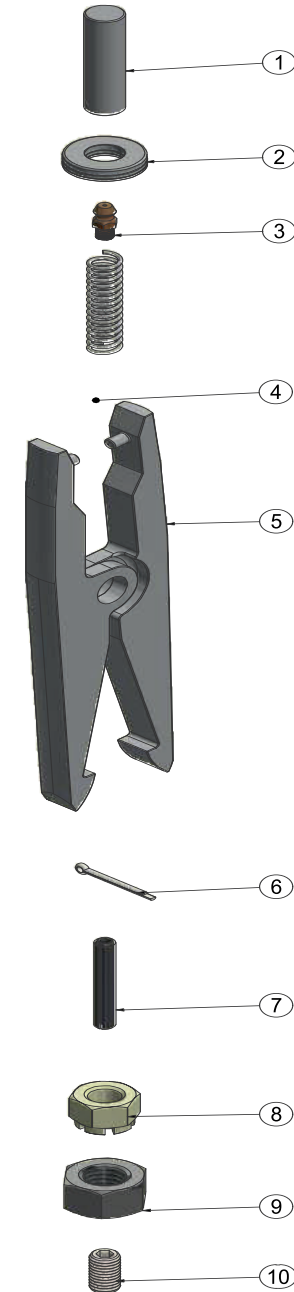
REPAIR KIT OVERSHOT ASSEMBLY BO MTD 3547249K			
ITEM	DESCRIPCION	CODIGO	CANT.
3	THRUST BEARING	MTD25986	1
4	CASTLE HEX NUT, 1/2 UNF	MTD25985	1
5	COTTER PIN, 3/32" x 3/4"	MTD44615	2
6	HYDRAULIC GREASE FITTING	MTD17447	1
15	COMPRESSION SPRING	MTD3545053	2
10	HEX NUT 9/16" UNC	MTD62904	1
16	BALL 11/32"	MTD3543772	2
18	LIFTING DOG SPRING	MTD6951	1
19	LIFTING DOG, BQ	MTD6950	2
20	FIT PIN, 1/2" x 1 1/2"	MTD5007836	1
21	SPIROL PIN, 3/16" x 1 3/8"	MTD29073	1
22	LOCKING PIN	MTD3546747	1
23	NYLOK SET SCREW	MTD3545073	1



METAL TOOL DRILLING & SERVICES SAC



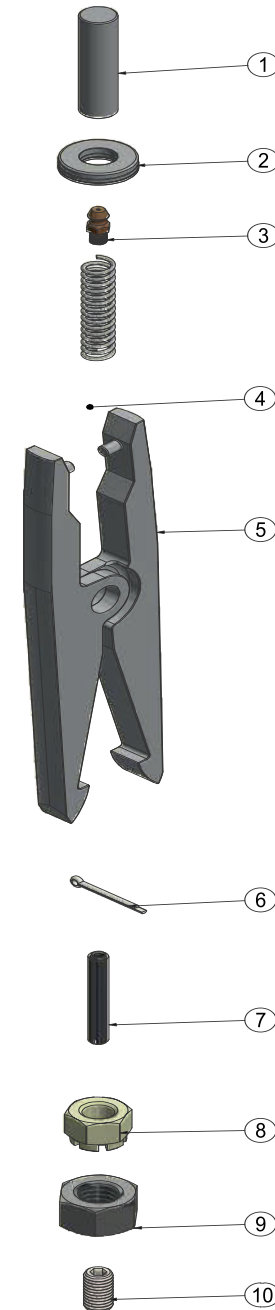
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ITEM	DESCRIPCION	CODIGO	CANT.
1	THRUST BEARING	MTD25986	1
2	CASTLE HEX NUT, 1/2" UNF	MTD25985	1
3	COTTER PIN, 3/32" x 3/4"	MTD44615	2
4	GREASE FITTING	MTD17447	1
5	HEX NUT, 3/4" UNC	MTD44524	1
6	BALL, 11/32"	MTD3543772	2
7	COMPRESSION	MTD6951	1
8	SPRINGLIFTING DOG SPRING	MTD3542027	1
9	LIFTING DOG NQ	MTD3540529	2
10	FIT PIN, 1/2" x 1 15/16"	MTD5007833	1
11	SPIROL PIN, 1/4" x 1 3/4"	MTD37394	1
12	LOCKING PIN	MTD3546747	1
13	SET SCREW	MTD3545073	1



METAL TOOL DRILLING & SERVICES SAC



REPAIR KIT OVERSHOT ASSEMBLY HO MTD 3542589K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	THRUST BEARING	MTD25986	1
2	CASTLE HEX NUT, 1/2" UNF	MTD25985	1
3	COTTER PIN, 3/32" x 3/4"	MTD44615	2
4	GREASE FITTING	MTD17447	1
5	HEX NUT, 3/4" UNC	MTD44524	1
6	BALL, 11/32"	MTD3543772	2
7	COMPRESSION SPRING	MTD6951	1
8	LIFTING DOG SPRING	MTD3542027	1
9	LIFTING DOG HQ	MTD3540529	2
10	FIT PIN, 1/2" x 2 1/8	MTD5007834	1
11	"SPIROL PIN, 1/4" x 2"	MTD24307	1
12	LOCKING PIN	MTD3546747	1
13	SET SCREW	MTD3545073	1



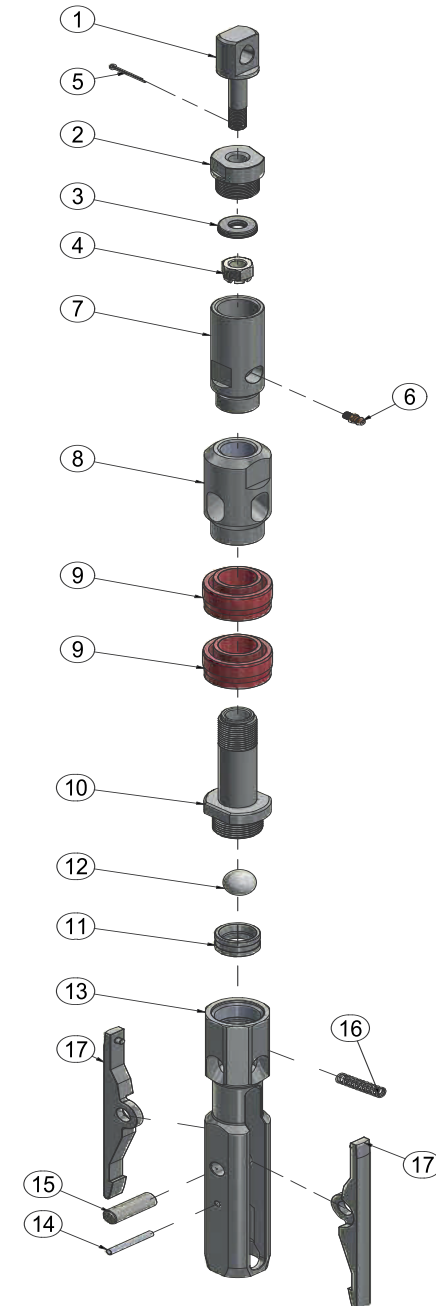
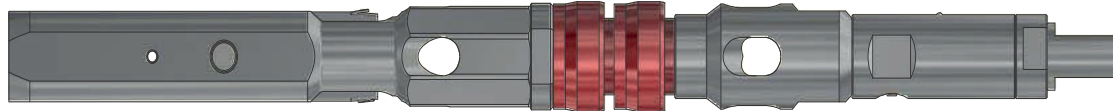
6. OVERSHOT ASSEMBLY HYDRAULIC BOU/NOU/HOU



METAL TOOL DRILLING & SERVICES SAC



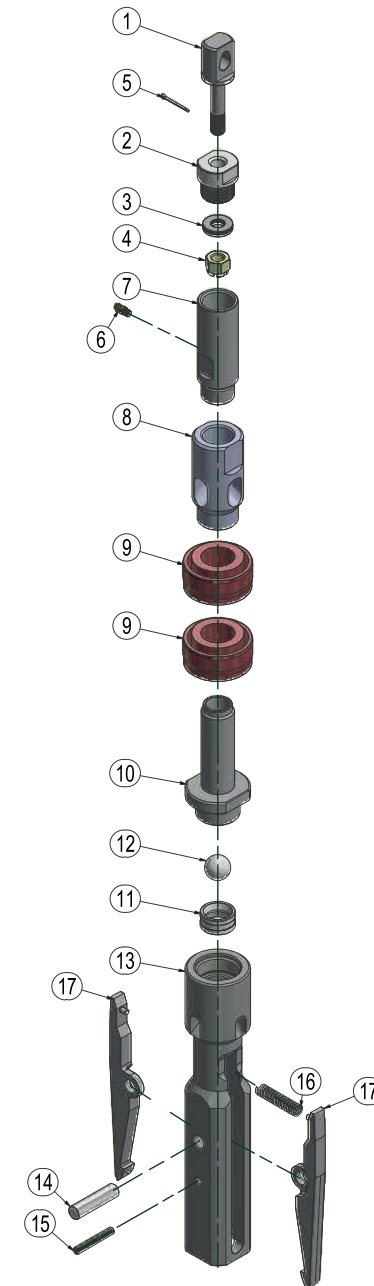
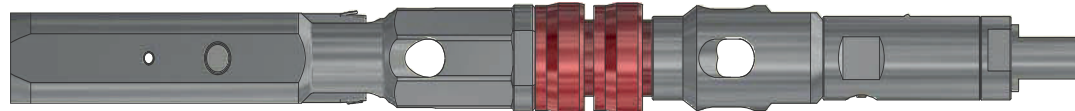
OVERSHOT ASSEMBLY BOU MTD 3547700			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BOLT CABLE SWIVEL EYE	MTD25991	1
2	COLLAR CABLE SWIVEL	MTD25990	1
3	BEARING BALL THRUST	MTD25986	1
4	NUT CASTLE HEX	MTD25985	1
5	PIN COTTER	MTD44615	1
6	FITTING HYD GREASE	MTD17447	1
7	CABLE SWIVEL BODY	MTD30183	1
8	BODY UPPER	MTD3547807	1
9	LIP SEAL PUMP - IN	MTD100690	2
10	SEAT SEAL	MTD3543906	1
11	INDICATOR BUSHING	MTD62380	1
12	STAINLESS STEEL BALL	MTD62374	1
13	OVERSHOT HEAD	MTD3547848	1
14	PIN PLAIN	MTD29073	1
15	SHEAR PIN	MTD5007836	1
16	COMPRESSION SPRING	MTD6951	1
17	LIFTING DOG O/SHOT	MTD6950	2



METAL TOOL DRILLING & SERVICES SAC



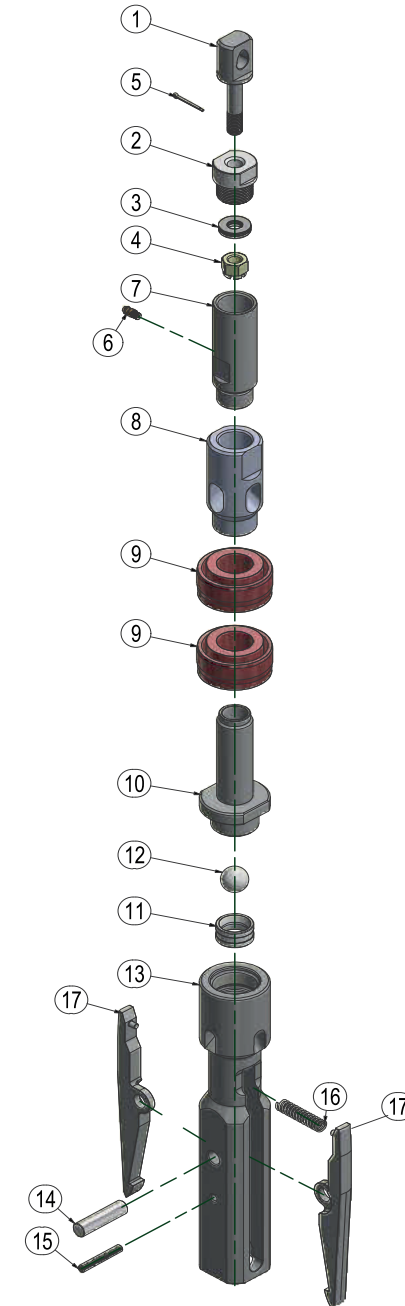
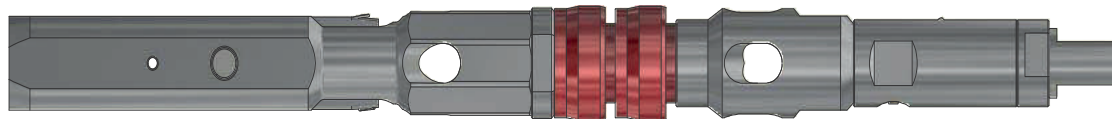
OVERSHOT ASSEMBLY NOU MTD 5007768			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BOLT CABLE SWIVEL EYE	MTD25991	1
2	COLLAR CABLE SWIVEL	MTD25990	1
3	BEARING BALL THRUST	MTD25986	1
4	NUT CASTLE HEX	MTD25985	1
5	PIN COTTER	MTD44615	1
6	FITTING HYD GREASE	MTD17447	1
7	CABLE SWIVEL BODY	MTD30183	1
8	BODY UPPER	MTD3547849	1
9	LIP SEAL PUMP - IN	MTD5003432	2
10	SEAT SEAL	MTD3543949	1
11	INDICATOR BUSHING	MTD62380	1
12	STAINLESS STEEL BALL	MTD62374	1
13	OVERSHOT HEAD	MTD3547851	1
14	PIN PLAIN	MTD5007833	1
15	SHEAR PIN	MTD37394	1
16	COMPRESSION SPRING	MTD3542027	1
17	LIFTING DOG O/SHOT	MTD3540529	2



METAL TOOL DRILLING & SERVICES SAC



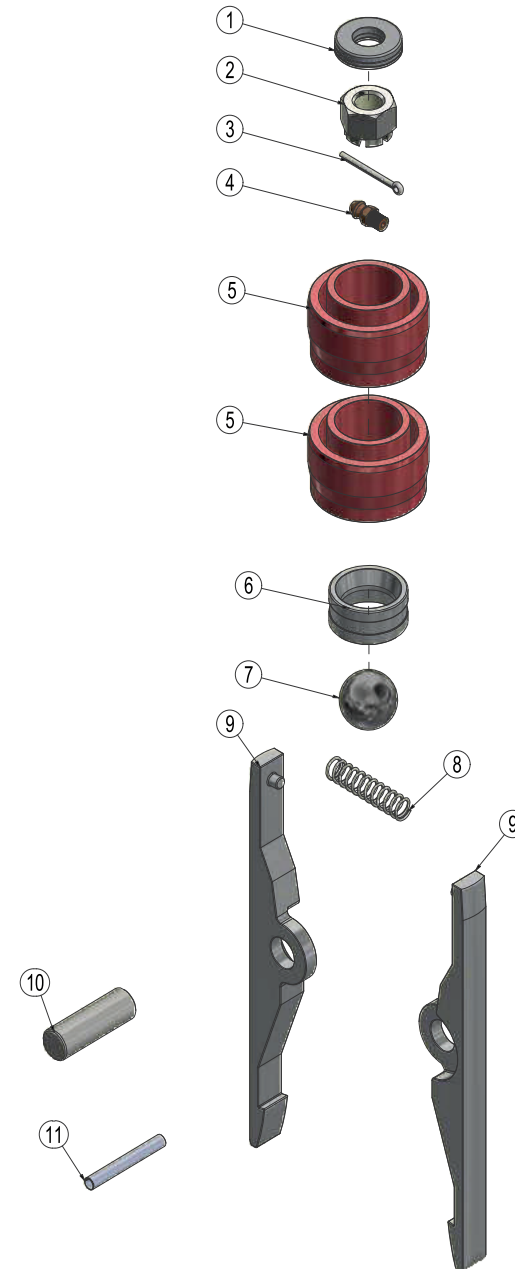
OVERSHOT ASSEMBLY HOU MTD 5007769			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BOLT CABLE SWIVEL EYE	MTD25991	1
2	COLLAR CABLE SWIVEL	MTD25990	1
3	BEARING BALL THRUST	MTD25986	1
4	NUT CASTLE HEX	MTD 25985	1
5	PIN COTTER	MTD44615	1
6	FITTING HYD GREASE	MTD17447	1
7	CABLE SWIVEL BODY	MTD30183	1
8	BODY UPPER	MTD3547853	1
9	LIP SEAL PUMP - IN	MTD5006212	2
10	SEAT SEAL	MTD3543997	1
11	INDICATOR BUSHING	MTD62380	1
12	STAINLESS STEEL BALL	MTD62374	1
13	OVERSHOT HEAD	MTD3547854	1
14	PIN PLAIN	MTD5007834	1
15	SHEAR PIN	MTD24307	1
16	COMPRESSION SPRING	MTD3542027	1
17	LIFTING DOG O/SHOT	MTD3540529	2



METAL TOOL DRILLING & SERVICES SAC



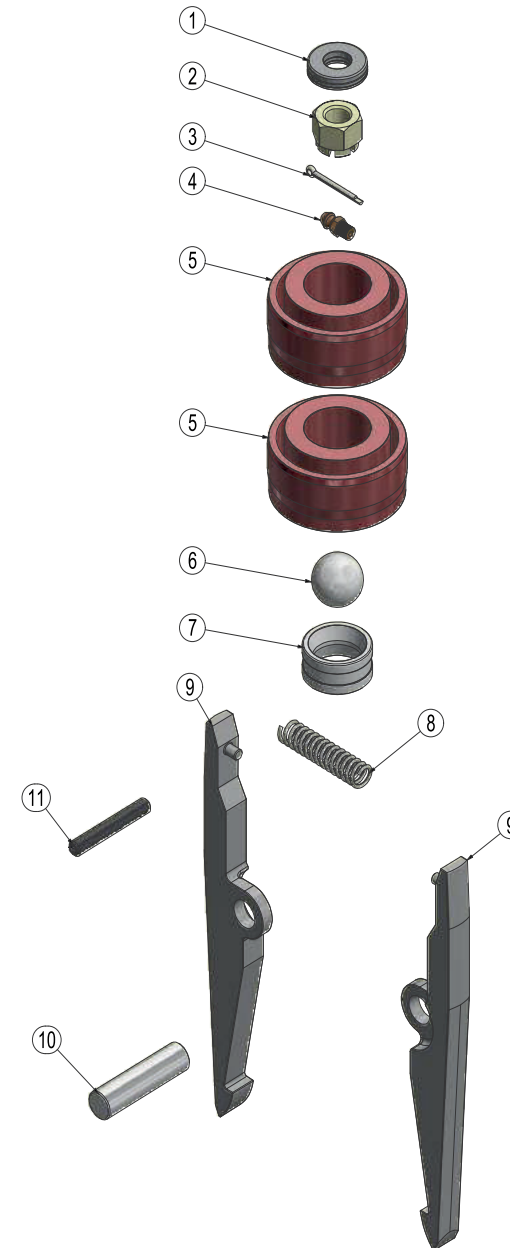
REPAIR KIT OVERSHOT ASSEMBLY BOU MTD 3548057K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BEARING BALL THRUST	MTD25986	1
2	NUT CASTLE HEX	MTD25985	1
3	PIN COTTER	MTD44615	1
4	FITTING HYD GREASE	MTD17447	1
5	LIP SEAL PUMP - IN	MTD100690	2
6	INDICATOR BUSHING	MTD62380	1
7	STAINLESS STEEL BALL	MTD62374	1
8	COMPRESSION SPRING	MTD6951	1
9	LIFTING DOG O/SHOT	MTD6950	2
10	PIN PLAIN	MTD5007836	1
11	SHEAR PIN	MTD29073	1



METAL TOOL DRILLING & SERVICES SAC



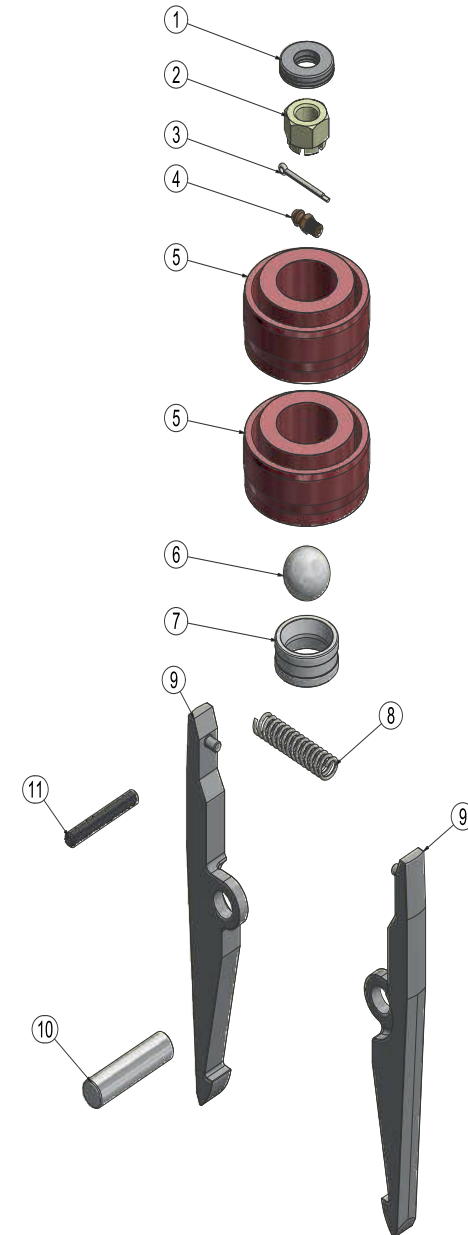
REPAIR KIT OVERSHOT ASSEMBLY NOU MTD 3548059K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BEARING BALL THRUST	MTD25986	1
2	NUT CASTLE HEX	MTD25985	1
3	PIN COTTER	MTD44615	1
4	FITTING HYD GREASE	MTD17447	1
5	LIP SEAL PUMP - IN	MTD5003432	2
6	INDICATOR BUSHING	MTD62380	1
7	STAINLESS STEEL BALL	MTD62374	1
8	SPRING LIFTING DOG	MTD3542027	1
9	LIFTING DOG O/SHOT	MTD3540529	2
10	PIN PLAIN	MTD5007833	1
11	SHEAR PIN	MTD37394	1



METAL TOOL DRILLING & SERVICES SAC



REPAIR KIT OVERSHOT ASSEMBLY HOU MTD 3548060K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	BEARING BALL THRUST	MTD25986	1
2	NUT CASTLE HEX	MTD25985	1
3	PIN COTTER	MTD44615	1
4	FITTING HYD GREASE	MTD17447	1
5	LIP SEAL PUMP - IN	MTD5006212	2
6	INDICATOR BUSHING	MTD62380	1
7	STAINLESS STEEL BALL	MTD62374	1
8	SPRING LIFTING DOG	MTD6542027	1
9	LIFTING DOG O/SHOT	MTD3540529	2
10	PIN PLAIN	MTD5007834	1
11	PIN SPRING	MTD24307	1



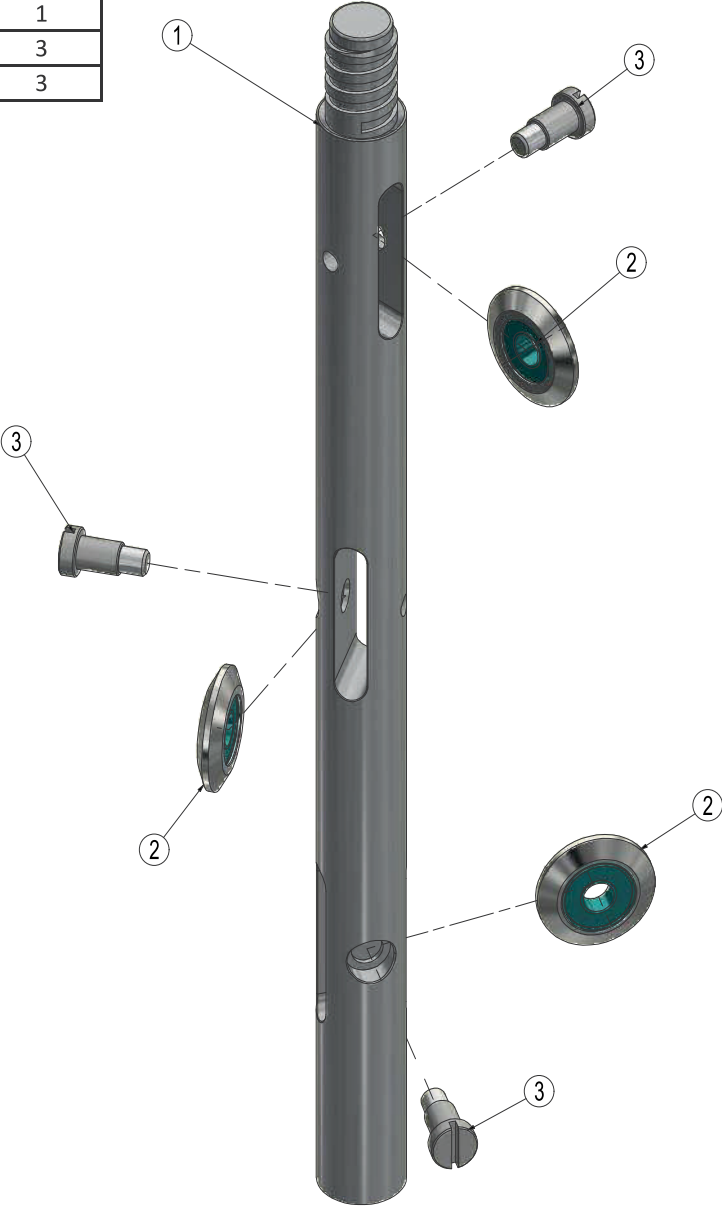
7. ROAD RUNNER ASSEMBLY BO/NO/HO



METAL TOOL DRILLING & SERVICES SAC



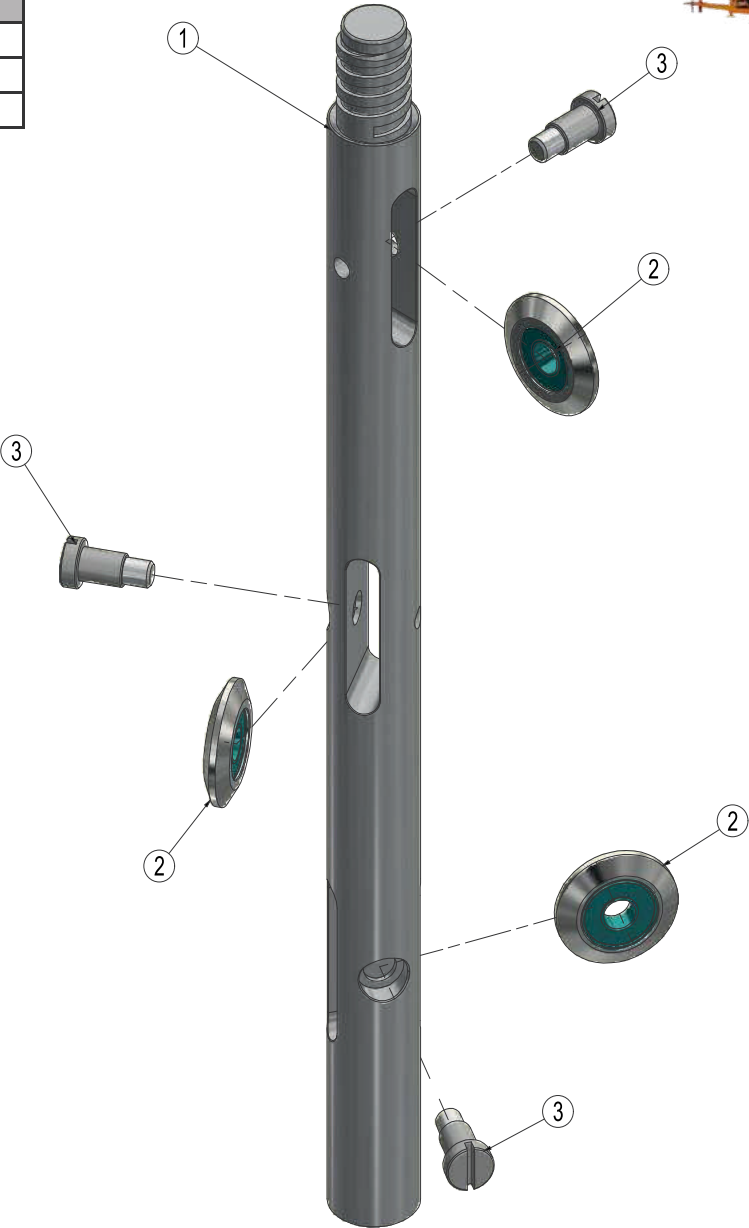
ROAD RUNNER ASSEMBLY BO MTD444304			
ITEM	DESCRIPCION	CODIGO	CANT.
1	ROAD RUNNER BODY	MTD300304	1
2	ROAD RUNNER WHEEL ENSAMBLADO BO	MTD300011	3
3	BOLT SOCKET HEAD	MTD300012	3



METAL TOOL DRILLING & SERVICES SAC



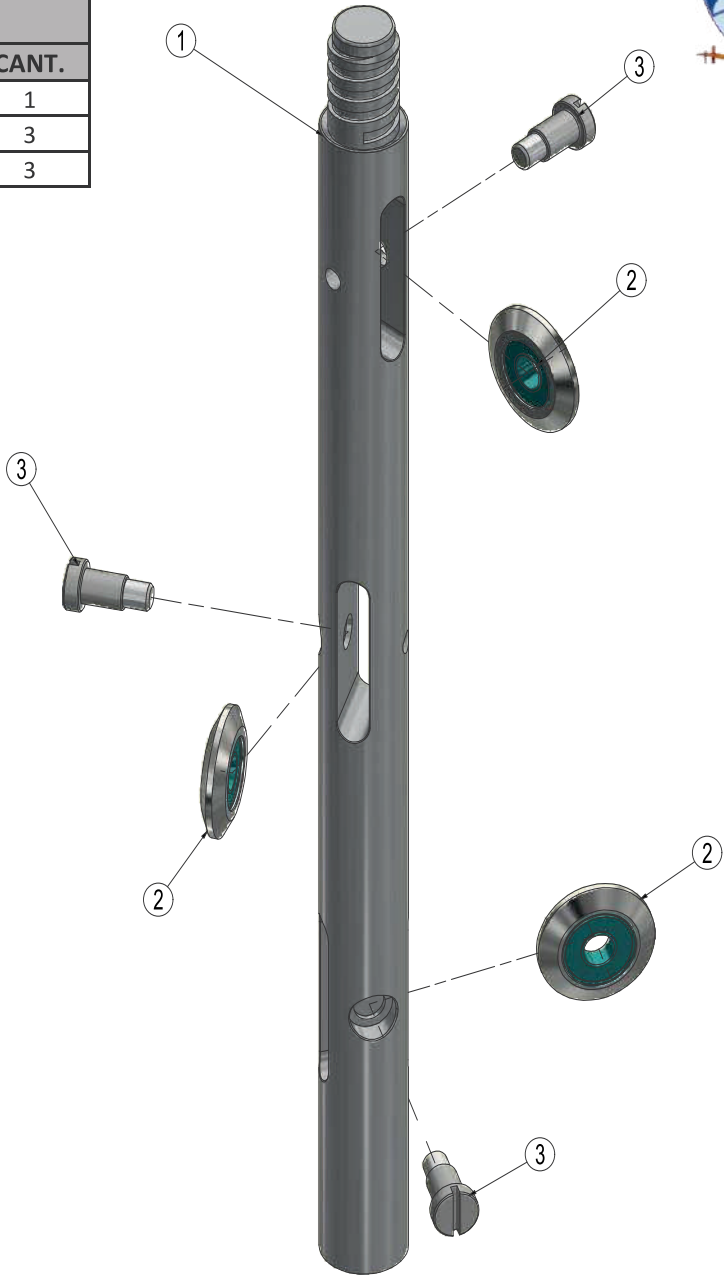
ROAD RUNNER ASSEMBLY NO MTD444404			
ITEM	DESCRIPCION	CODIGO	CANT.
1	ROAD RUNNER BODY	MTD400304	1
2	ROAD RUNNER WHEEL ASSEMBLY NO	MTD400011	3
3	BOLT SOCKET HEAD	MTD400012	3



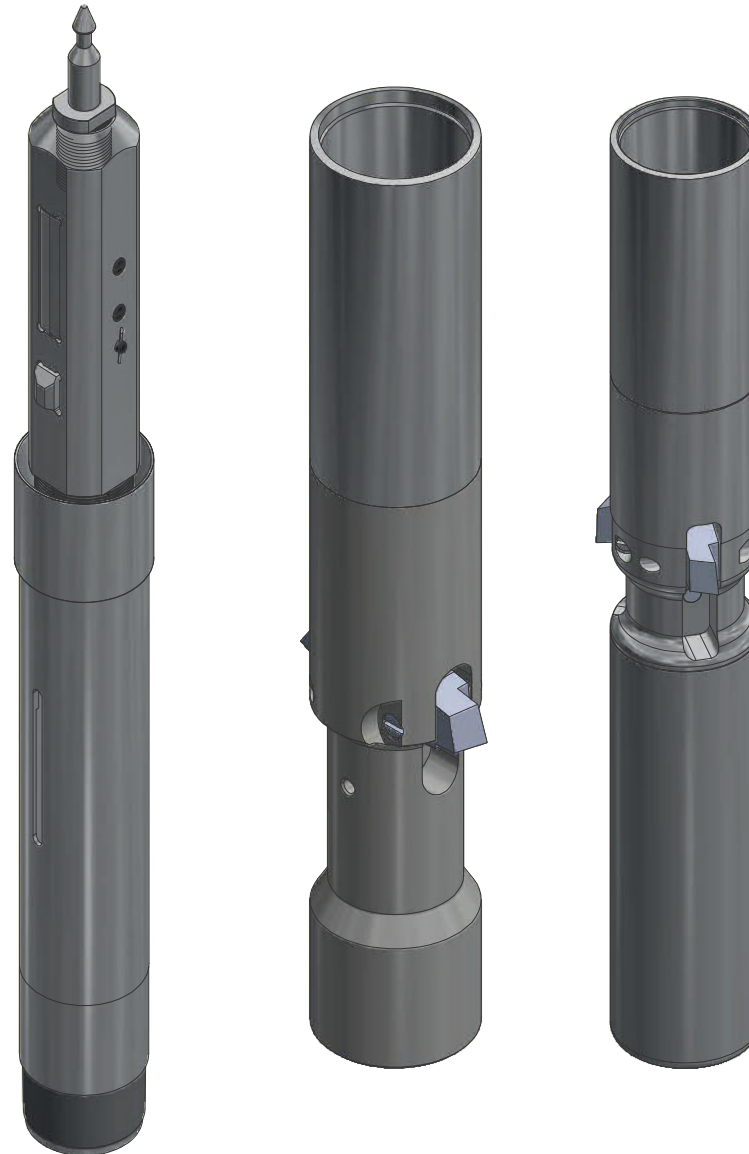
METAL TOOL DRILLING & SERVICES SAC



ROAD RUNNER ASSEMBLY HO MTD444504			
ITEM	DESCRIPCION	CODIGO	CANT.
1	ROAD RUNNER BODY	MTD500304	1
2	ROAD RUNNER WHEEL ENSAMBLADO HO	MTD500011	3
3	BOLT SOCKET HEAD	MTD500012	3



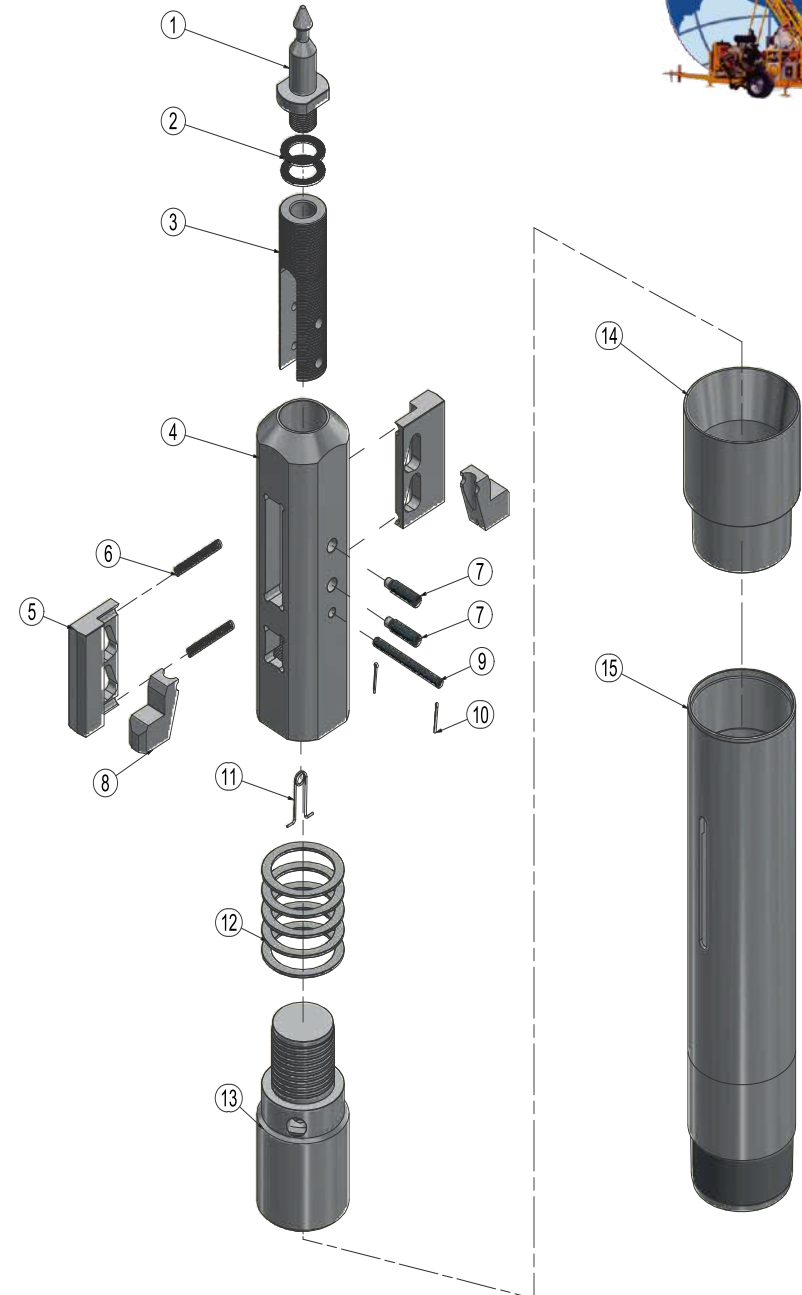
8. CASING CUTTER / CASING AND ROD CUTTER



METAL TOOL DRILLING & SERVICES SAC



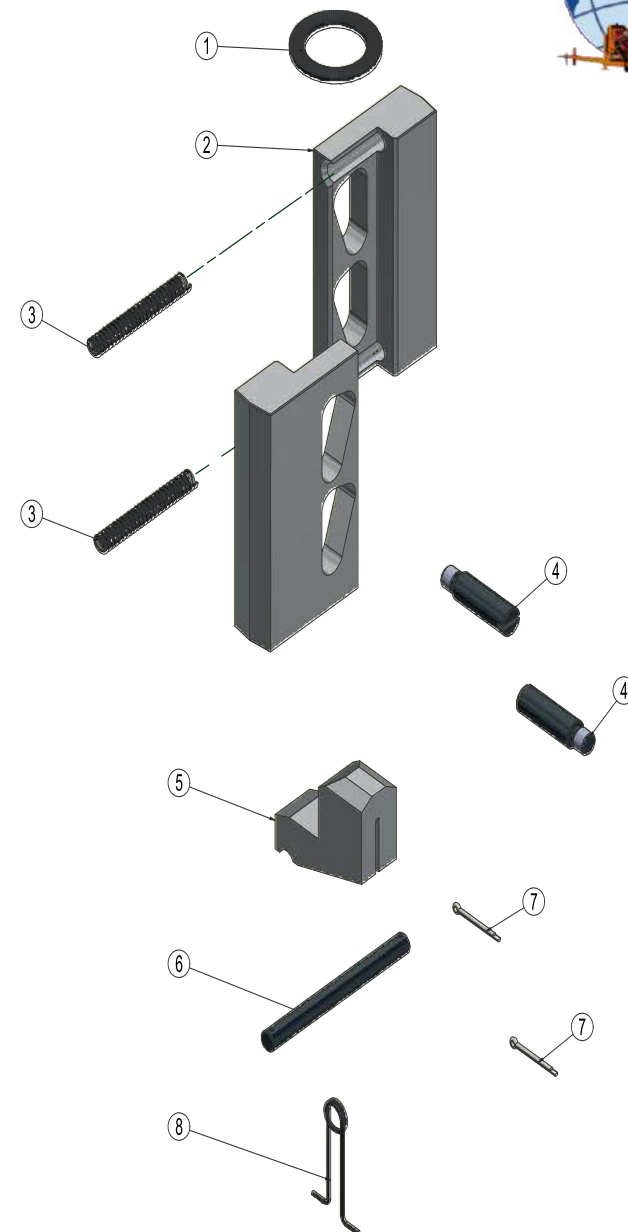
CASING ADVANCER HWT W/L MTD 3000863			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SPEARHEAD	MTD93415	1
2	DISK LOCK WASHER SET	MTD58040	1
3	RELEASR SHAFT	MTD58038	1
4	LATCH BODY	MTD58999	1
5	LATCH SHOE	MTD93865	2
6	SPRING	MTD93420	2
7	LOCATING PIN	MTD58035	2
8	STOP LATCH SET	MTD59076	1
9	STOP LATCH PIN	MTD59077	1
10	PIN COTTER	MTD44861	2
11	STOP LATCH SPRING	MTD59082	1
12	SPACER SET	MTD93863	
13	BIT SUB	MTD93864	1
14	LOADING SLEEVE	MTD3000869	1
15	DRIVER	MTD3000864	1



METAL TOOL DRILLING & SERVICES SAC



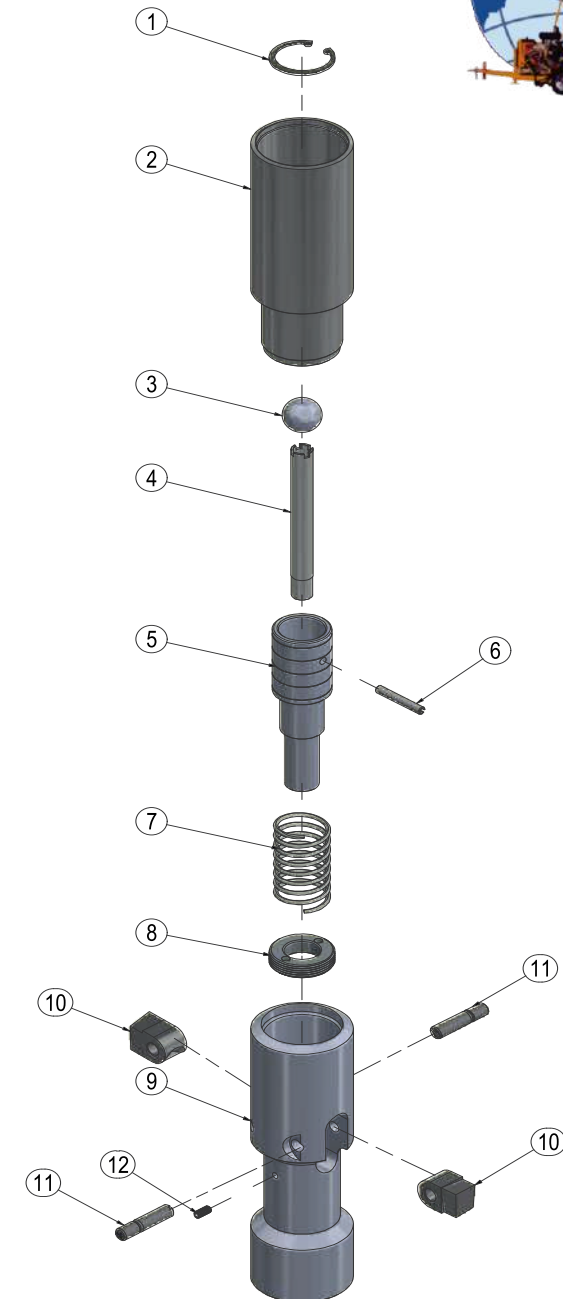
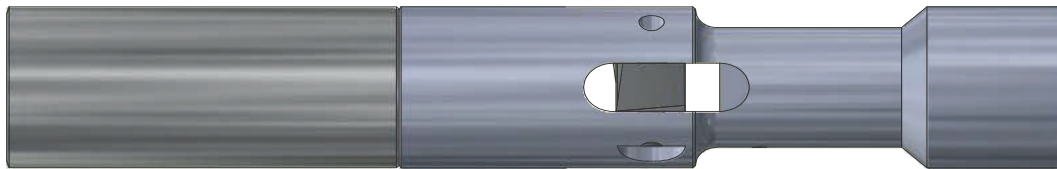
REPAIR KIT CASING ADVANCER HWT W/L MTD 3000863K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	DISK LOCK WASHER SET	MTD58040	1
2	LATCH SHOE	MTD93865	2
3	SPRING	MTD93420	2
4	LOCATING PIN	MTD58035	2
5	STOP LATCH SET	MTD59076	1
6	STOP LATCH PIN	MTD59077	1
7	PIN COTTER	MTD44861	2
8	STOP LATCH SPRING	MTD59082	1



METAL TOOL DRILLING & SERVICES SAC



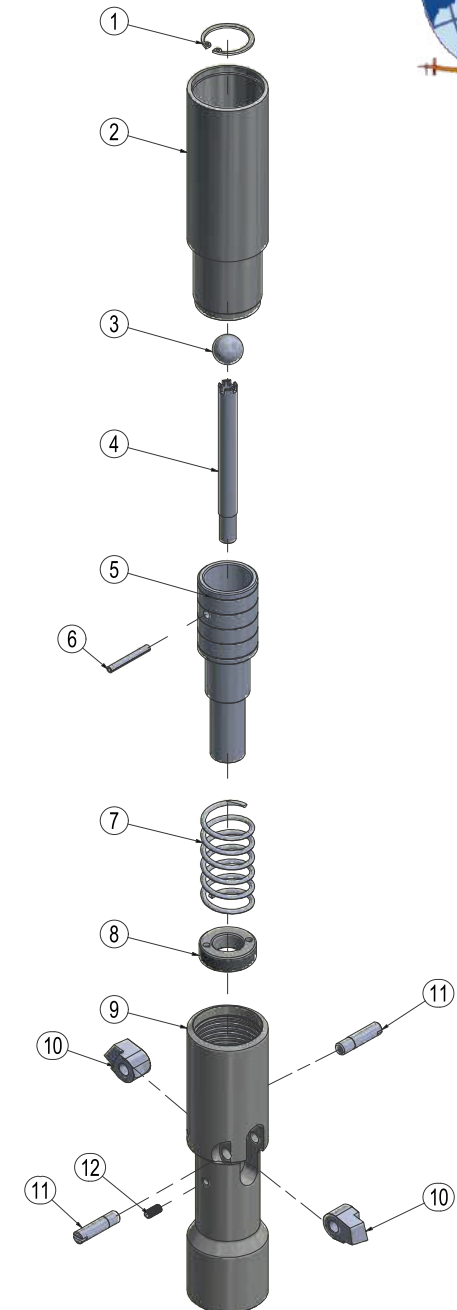
NW/HO CASING CUTTER ASSEMBLY MTD52777			
ITEM	DESCRIPCION	CODIGO	CANT.
1	RETAINING RING	MTD61460	1
2	PLUNGER CASE	MTD52778	1
3	STAINLESS STEEL BALL	MTD26157	1
4	WATER TUBE	MTD14529	1
5	PLUNGER	MTD14528	1
6	SHEAR PIN	MTD22834	1
7	SPRING	MTD14531	1
8	SPRING REST	MTD14530	1
9	BODY	MTD14526	1
10	CASING CUTTER LUG	MTD14532	2
11	CASING CUTTER PIN	MTD14588	2
12	SET SCREW	MTD44663	1



METAL TOOL DRILLING & SERVICES SAC



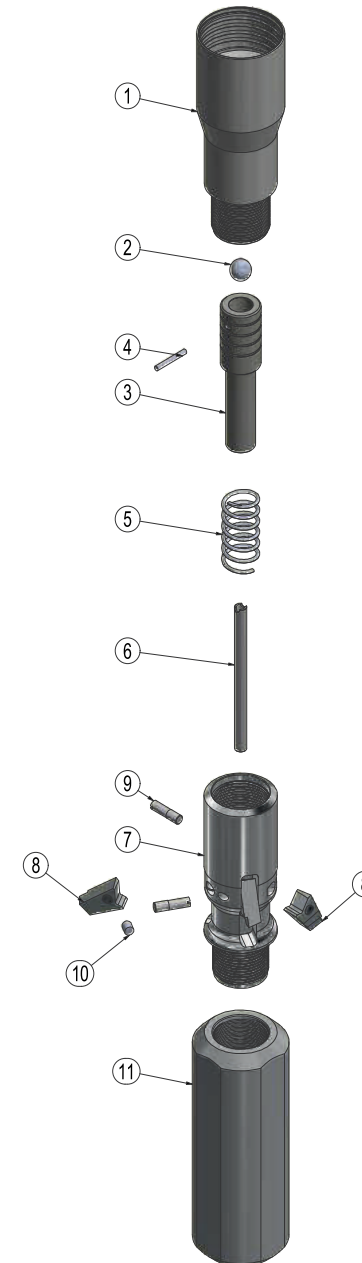
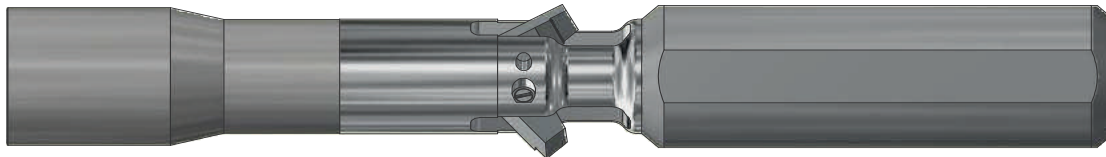
BW/NQ CASING CUTTER ASSEMBLY MTD52775			
ITEM	DESCRIPCION	CODIGO	CANT.
1	RETAINING RING	MTD61265	1
2	PLUNGER CASE	MTD52776	1
3	STAINLESS STEEL BALL	MTD21837	1
4	WATER TUBE	MTD14520	1
5	PLUNGER	MTD14519	1
6	SHEAR PIN	MTD15260	1
7	SPRING	MTD14522	1
8	SPRING REST	MTD14521	1
9	BODY	MTD14517	1
10	CASING CUTTER LUG	MTD14523	2
11	CASING CUTTER PIN	MTD14587	2
12	SET SCREW	MTD44663	1



METAL TOOL DRILLING & SERVICES SAC



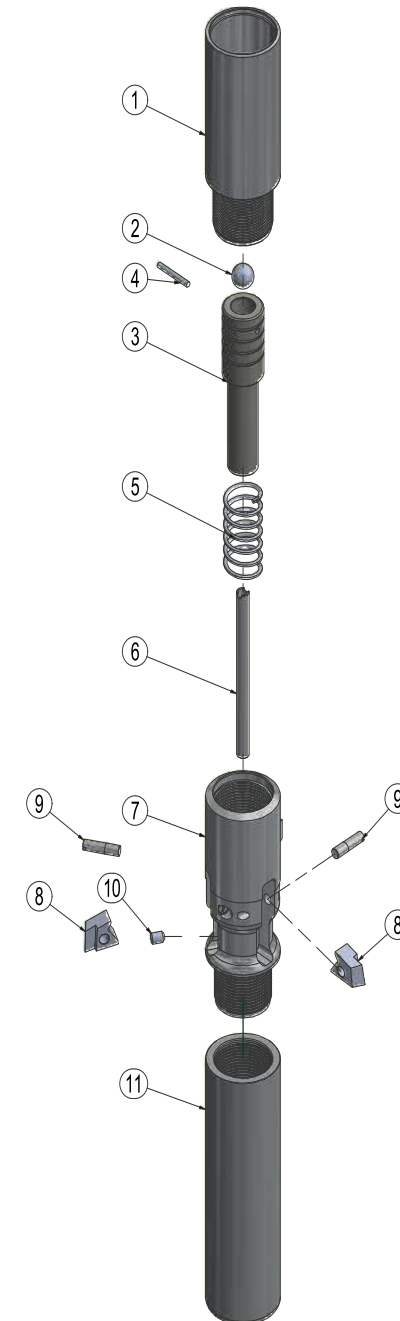
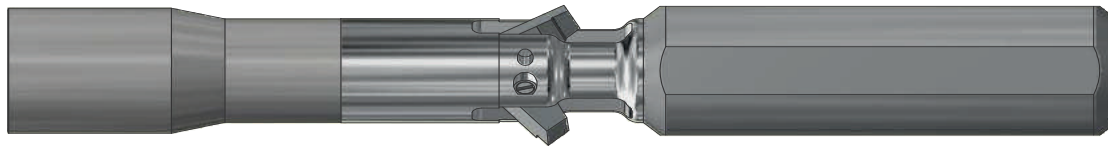
HW - HWT CASING AND ROD CUTTER MTD60879			
ITEM	DESCRIPCION	CODIGO	CANT.
1	PISTON HOUSING WITH H W/L BOX THREAD	MTD3547484	1
2	BALL BOU	MTD26157	1
3	PISTON	MTD14531	1
4	ROLL PIN	MTD22834	1
5	COMPRESSION SPRING	MTD14531	1
6	BALL RELEASE ROD	MTD6004006	1
7	JAW HOLDER	MTD60880	1
8	JAW CUTTER HW	MTD62830	3
9	JAW PIN	MTD36216	3
10	CAP SCREW	MTD64009	1
11	PILOT HW	MTD604010	1



METAL TOOL DRILLING & SERVICES SAC

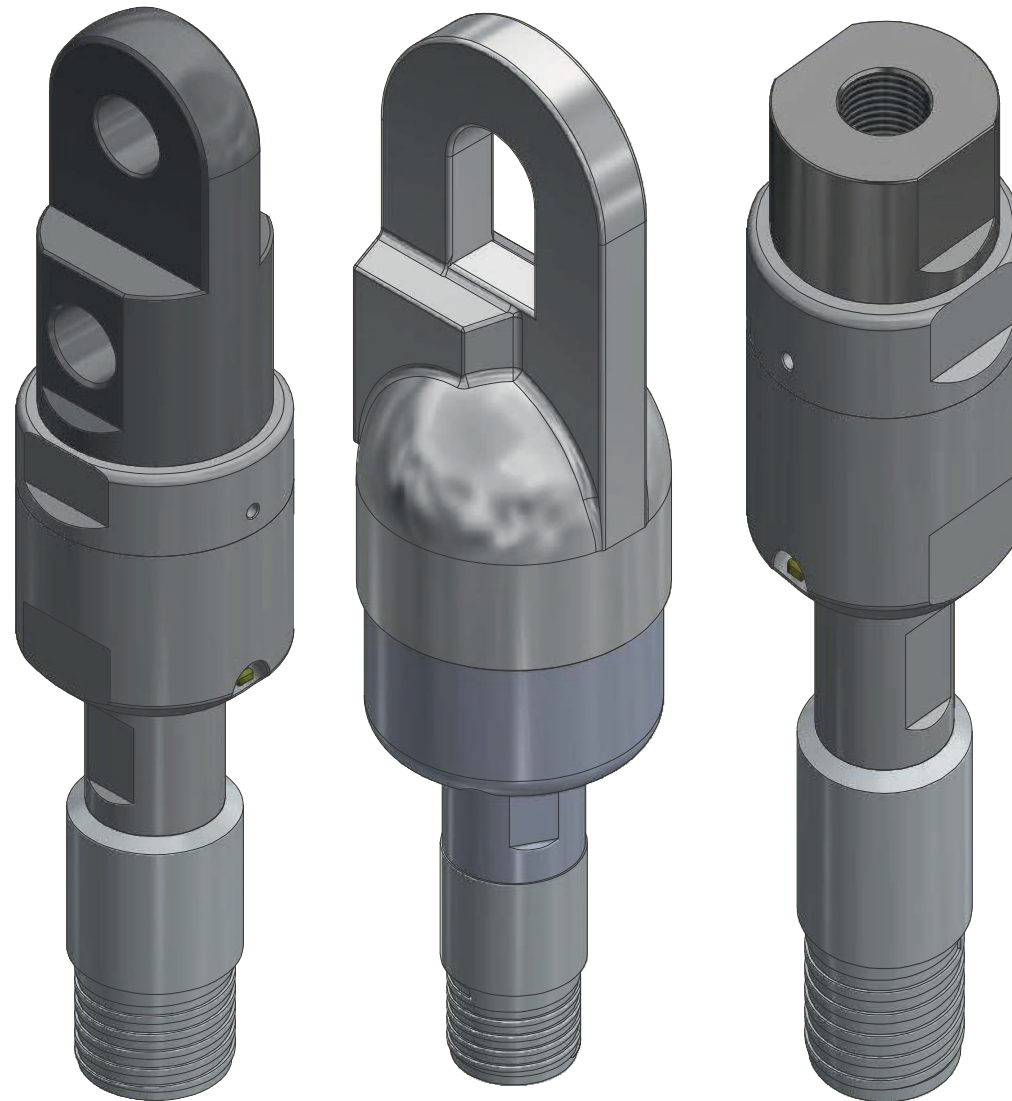


NW - H W/L CASING AND ROD CUTTER MTD52777			
ITEM	DESCRIPCION	CODIGO	CANT.
1	PISTON HOUSING WITH N W/L BOX THREAD	MTD52778	1
2	BALL BOU	MTD26157	1
3	PISTON	MTD14529	1
4	SHEAR PIN	MTD22834	1
5	COMPRESSION SPRING	MTD14531	1
6	BALL RELEASE ROD	MTD145329	1
7	JAW HOLDER	MTD14526	1
8	JAW CUTTER NW	MTD14532	3
9	JAW PIN	MTD14588	3
10	CAP SCREW	MTD44663	1
11	PILOT NW	MTD6004010	1



9. WATER EQUIPEMENT

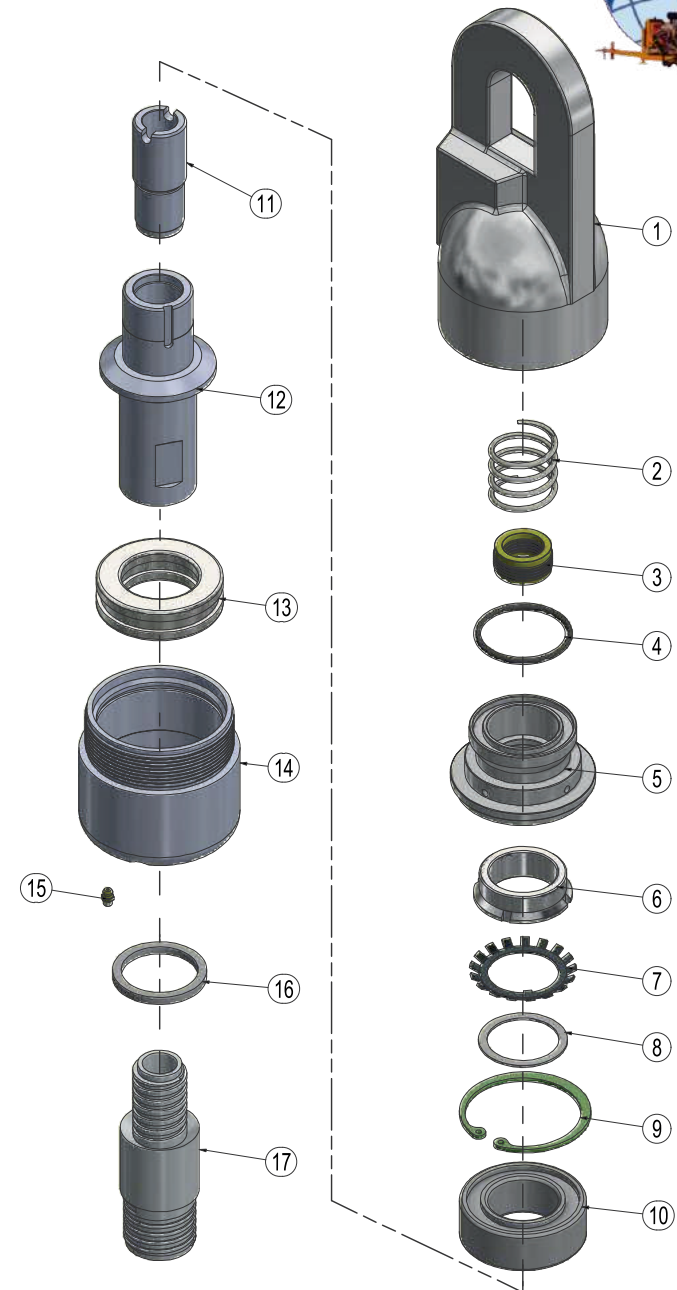
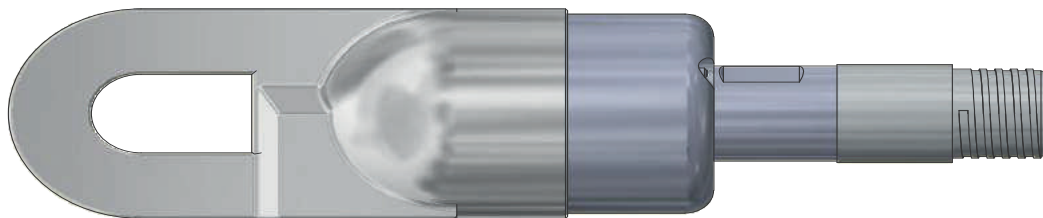
WATER SWIVELS SURFACE AND UNDERGROUND



METAL TOOL DRILLING & SERVICES SAC



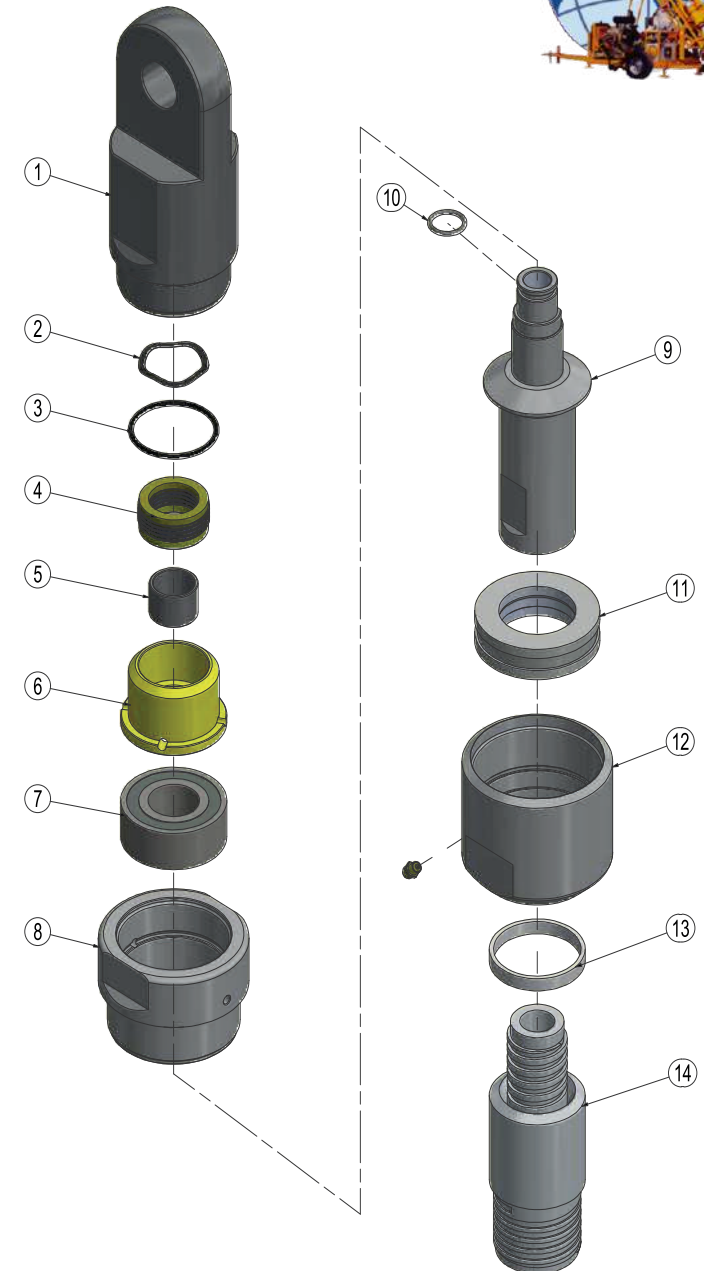
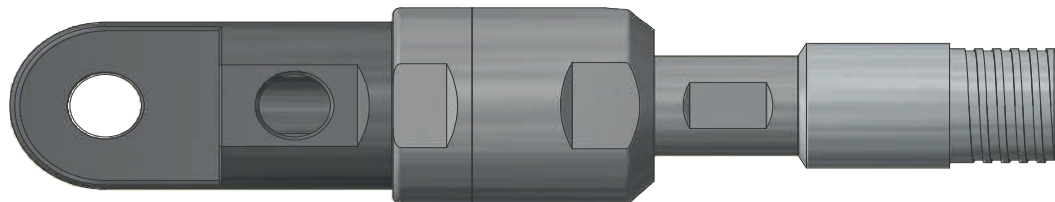
UNIVERSAL WATER SWIVEL ASSEMBLY MTD673571			
ITEM	DESCRIPCION	CODIGO	CANT.
1	HOISTING CAP	MTD39169	1
2	COMPRESSION SPRING	MTD39168	1
3	SWIVEL PACKING	MTD39171	1
4	O RING	MTD29737	1
5	PACKING HOUSING	MTD39172	1
6	SPINDLE NUT	MTD67186	1
7	LOCK WASHER	MTD67322	1
8	SPACER	MTD40965	1
9	RETAINING RING	MTD19906	1
10	BALL BEARING	MTD39170	1
11	SPINDLE EXTENSION	MTD67324	1
12	SPINDLE BW ROD BOX	MTD67187	1
13	THRUST BALL BEARING	MTD67631	1
14	SWIVEL BODY	MTD17447	1
15	FITTING HYD GREASE	MTD17447	1
16	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



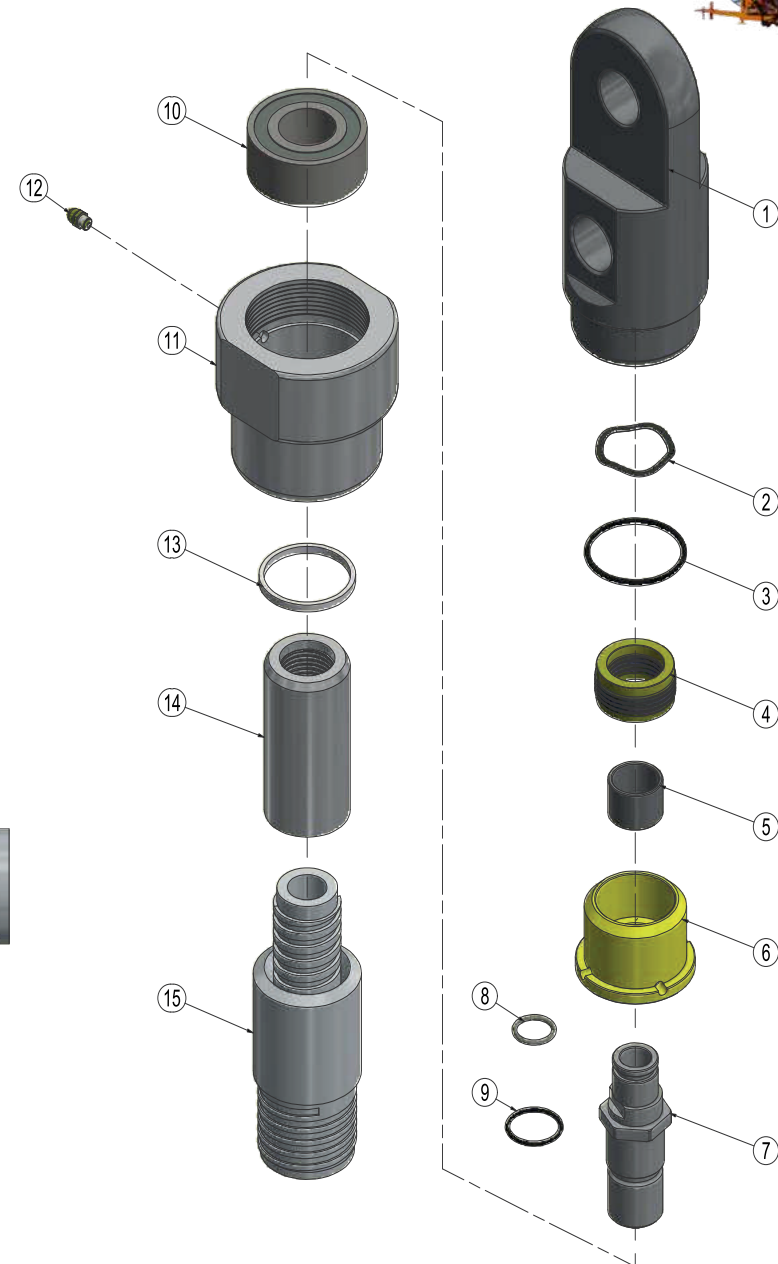
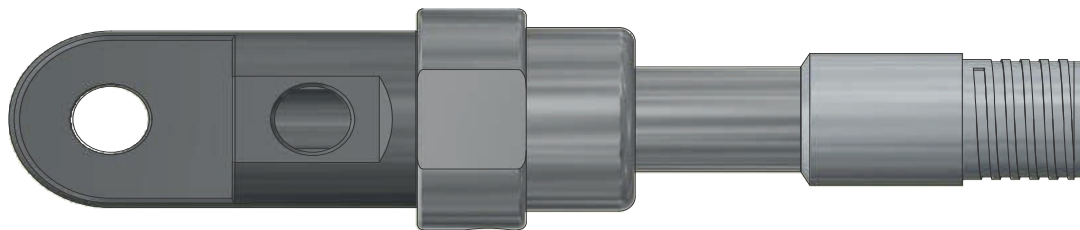
COMPACT PLUS WATER SWIVEL ASSEMBLY MTD3546952			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SWIVEL CAP	MTD3546529	1
2	WASHER SPRING	MTD23863	1
3	O RING	MTD19678	1
4	SWIVEL PACKING ASSEMBLY	MTD23861	1
5	WEAR SLEEVE	MTD3546530	1
6	PACKING CAGE	MTD23866	1
7	BALL BEARING	MTD20324	1
8	UPPER SWIVEL BODY	MTD3546531	1
9	SPINDLE AW ROD BOX	MTD3546907	1
10	O RING	MTD20169	1
11	THRUST BALL BEARING	MTD3546908	1
12	LOWER SWIVEL BODY	MTD3546909	1
13	FITTING HYD GREASE	MTD17447	1
14	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



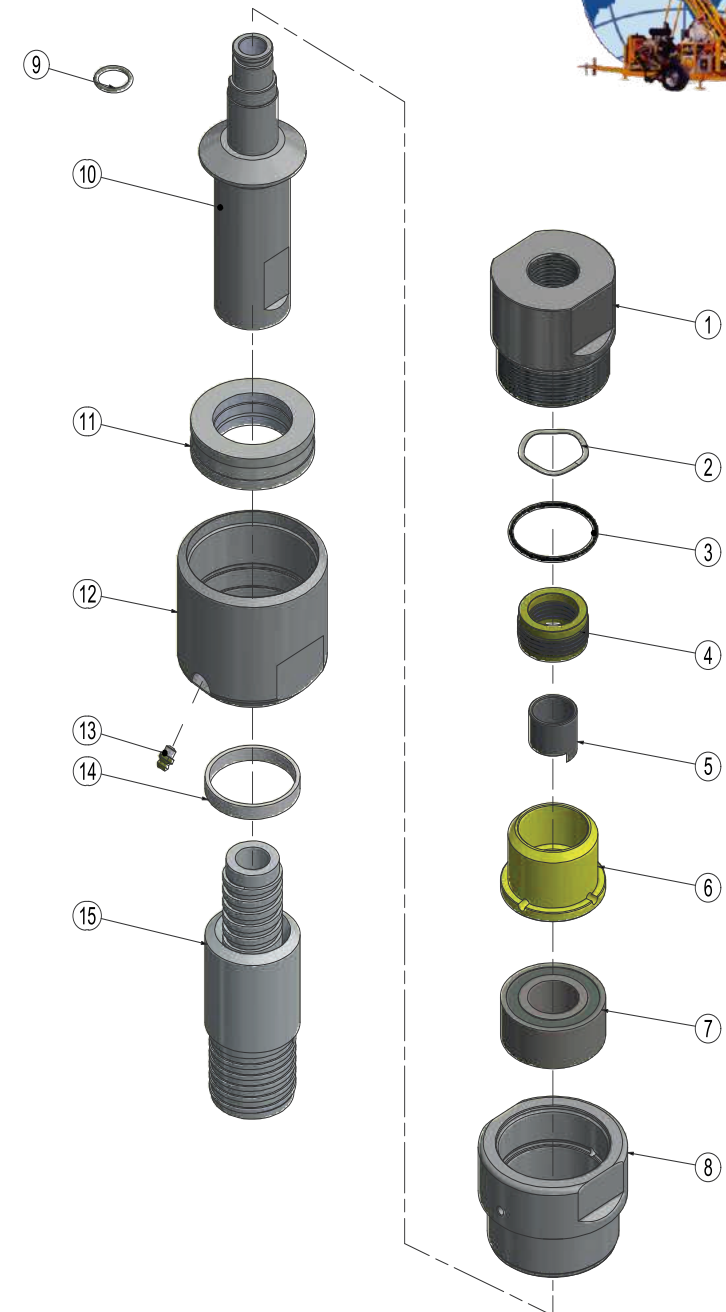
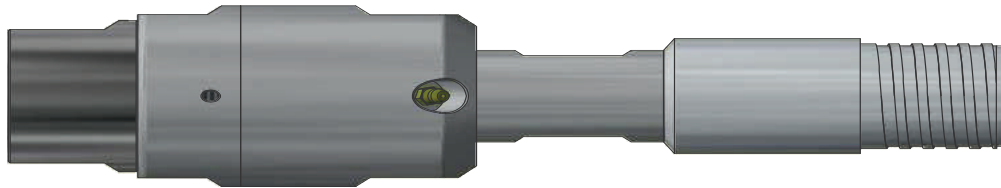
COMPACT WATER SWIVEL ASSEMBLY MTD7010100			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SWIVEL CAP	MTD3546529	1
2	WASHER SPRING	MTD23863	1
3	O RING	MTD19678	1
4	SWIVEL PACKING ASSEMBLY	MTD23861	1
5	WEAR SLEEVE	MTD3546530	1
6	PACKING CAGE	MTD23866	1
7	SPINDLE	MTD7010121	1
8	O RING	MTD7010111	1
9	O RING	MTD7010122	1
10	BALL BEARING	MTD20304	1
11	SWIVEL BODY	MTD7010116	1
12	FITTING HYD GREASE	MTD17447	1
13	FELT SEAL	MTD25612	1
14	SPINDLE EXTENSION AW ROD BOX	MTD7010123	1



METAL TOOL DRILLING & SERVICES SAC



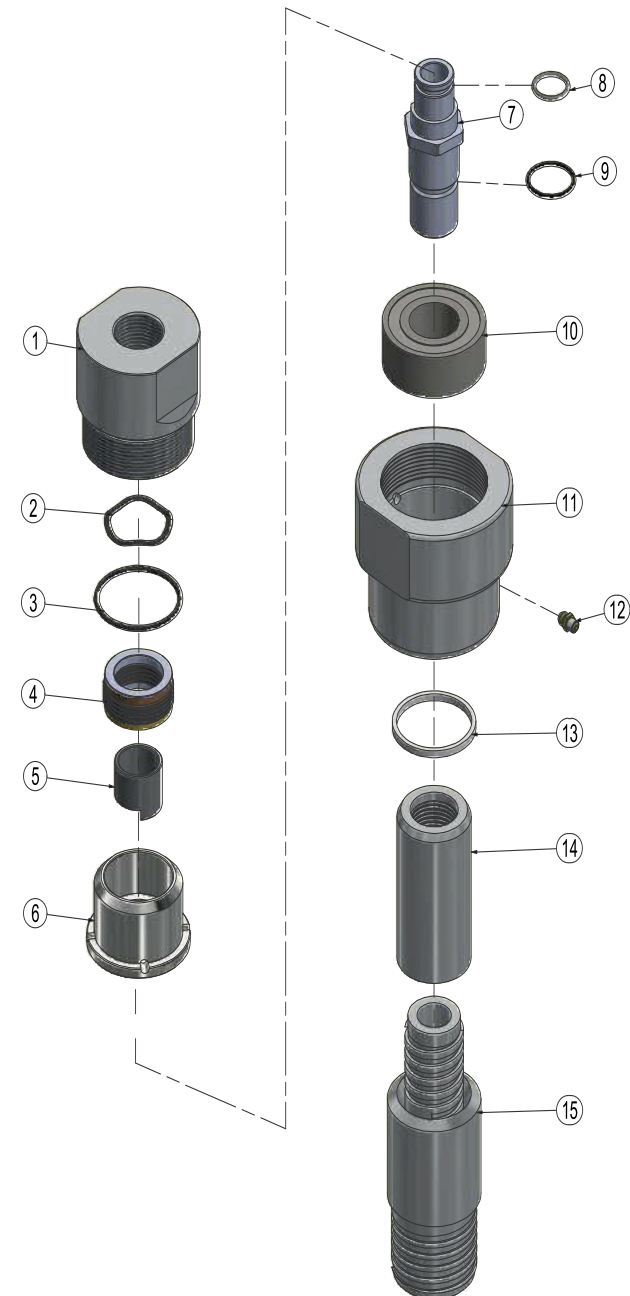
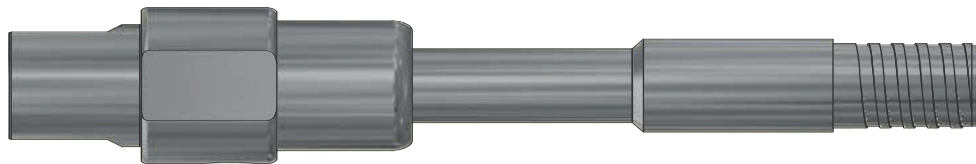
UNDERGROUND COMPACT PLUS WATER SWIVEL ASSEMBLY MTD3546953			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SWIVEL CAP	MTD3542931	1
2	WASHER SPRING	MTD23863	1
3	O RING	MTD19678	1
4	SWIVEL PACKING ASSEMBLY	MTD23861	1
5	WEAR SLEEVE	MTD3546530	1
6	PACKING CAGE	MTD23866	1
7	BALL BEARING	MTD20324	1
8	UPPER SWIVEL BODY	MTD346531	1
9	SPINDLE AW ROD BOX	MTD3546907	1
10	O RING	MTD20169	1
11	THRUST BALL BEARING	MTD3546908	1
12	LOWER SWIVEL BODY	MTD3546909	1
13	FITTING HYD GREASE	MTD17447	1
14	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



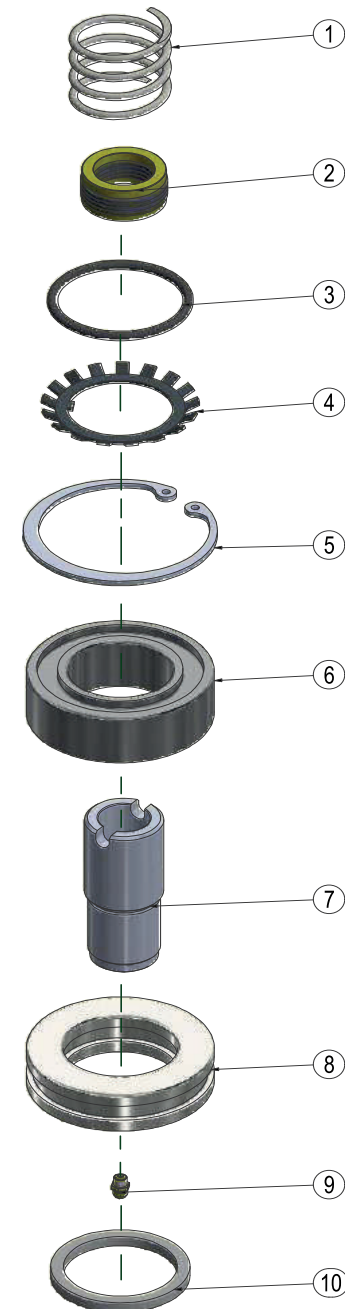
UNDERGROUND COMPACT WATER SWIVEL ASSEMBLY MTD7010200			
ITEM	DESCRIPCION	CODIGO	CANT.
1	SWIVEL CAP	MTD3542931	1
2	WASHER SPRING	MTD23863	1
3	O RING	MTD19678	1
4	SWIVEL PACKING ASSEMBLY	MTD23861	1
5	WEAR SLEEVE	MTD3546530	1
6	PACKING CAGE	MTD23866	1
7	SPINDLE	MTD3546907	1
8	O RING	MTD20169	1
9	O RING	MTD7010122	1
10	BALL BEARING	MTD3546908	1
11	SWIVEL BODY	MTD3546909	1
12	FITTING HYD GREASE	MTD17447	1
13	FELT SEAL	MTD25612	1
14	SPINDLE EXTENSION AW ROD BOX	MTD7010123	1



METAL TOOL DRILLING & SERVICES SAC



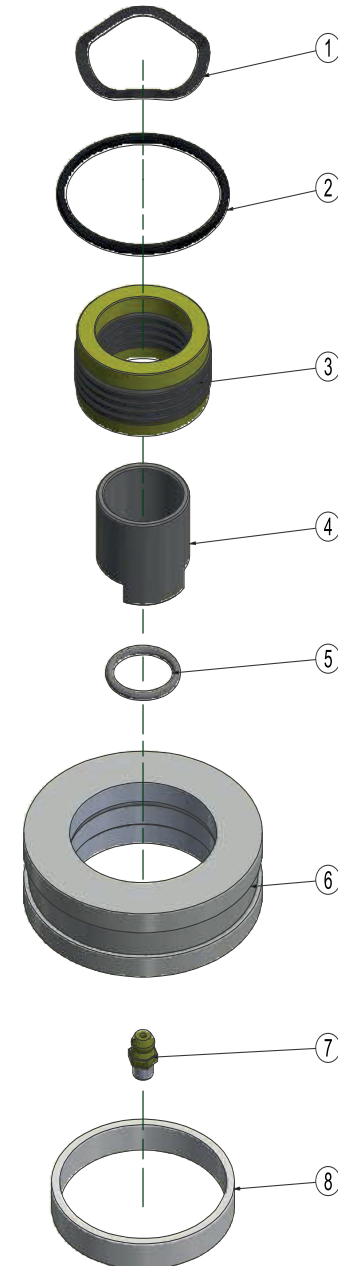
REPAIR UNIVERSAL WATER SWIVEL ASSEMBLY MTD67321K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	COMPRESSION SPRING	MTD39168	1
2	SWIVEL PACKING	MTD39171	1
3	O RING	MTD29737	1
4	LOCK WASHER	MTD67186	1
5	RETAINING RING	MTD40965	1
6	BALL BEARING	MTD19906	1
7	SPINDLE EXTENSION	MTD39170	1
8	THRUST BALL BEARING	MTD67187	1
9	FITTING HYD GREASE	MTD17447	1
10	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



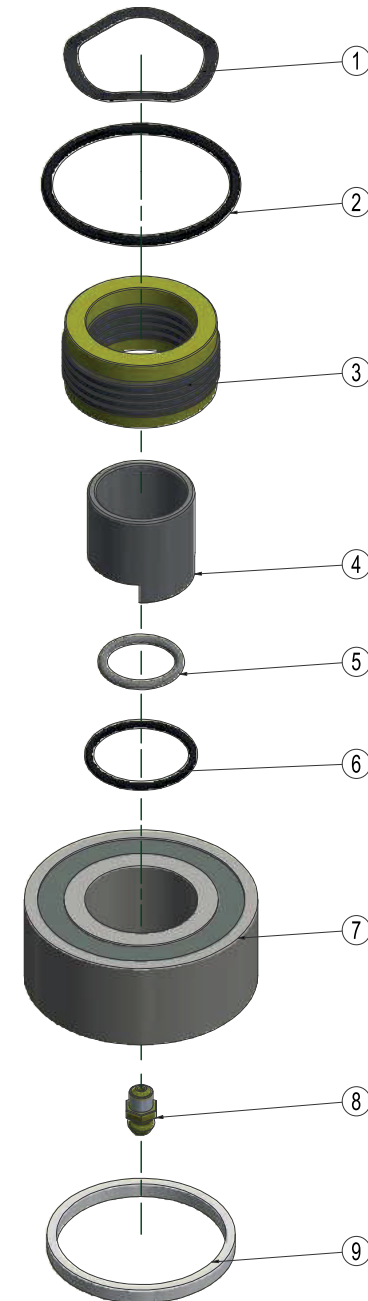
REPAIR KIT COMPACT PLUS WATER SWIVEL ASSEMBLY MTD3546952K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	WASHER SPRING	MTD23863	1
2	O RING	MTD19678	1
3	SWIVEL PACKING ASSEMBLY	MTD23861	1
4	WEAR SLEEVE	MTD3546530	1
5	BALL BEARING	MTD20324	1
6	O RING	MTD20169	1
7	THRUST BALL BEARING	MTD3546908	1
8	FITTING HYD GREASE	MTD17447	1
9	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



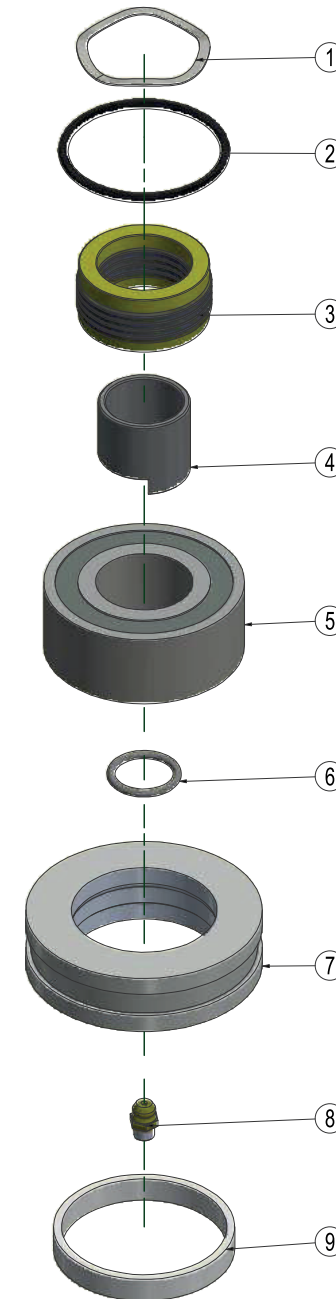
REPAIR KIT COMPACT WATER SWIVEL ASSEMBLY MTD3546952K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	WASHER SPRING	MTD23863	1
2	O RING	MTD19678	1
3	SWIVEL PACKING ASSEMBLY	MTD23861	1
4	WEAR SLEEVE	MTD3546530	1
5	O RING	MTD20324	1
6	O RING	MTD20169	1
7	BALL BEARING	MTD3546908	1
8	FITTING HYD GREASE	MTD17447	1
9	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



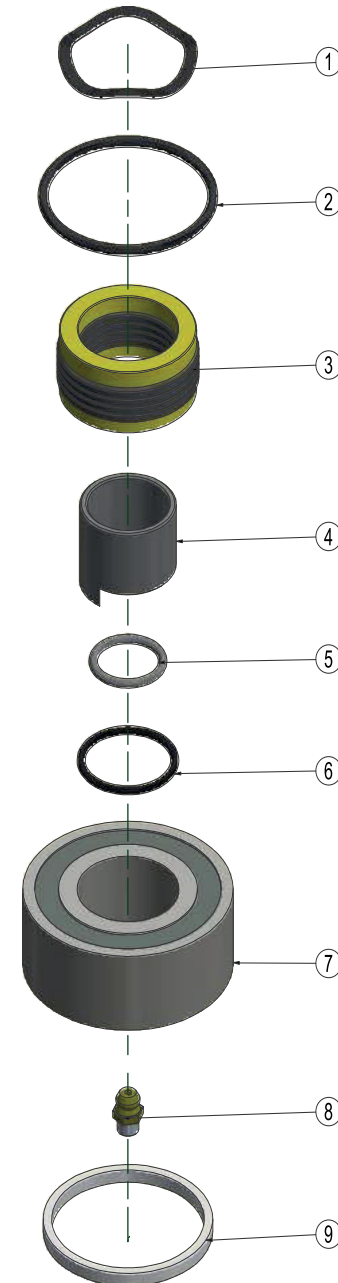
REPAIR KIT UNDERGROUND COMPACT PLUS W/S MTD3546953K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	WASHER SPRING	MTD23863	1
2	O RING	MTD19678	1
3	SWIVEL PACKING ASSEMBLY	MTD23861	1
4	WEAR SLEEVE	MTD3546530	1
5	BALL BEARING	MTD20324	1
6	O RING	MTD20169	1
7	THRUST BALL BEARING	MTD3546908	1
8	FITTING HYD GREASE	MTD17447	1
9	FELT SEAL	MTD25612	1



METAL TOOL DRILLING & SERVICES SAC



REPAIR KIT UNDERGROUND COMPACT WATER SWIVEL MTD7010200K			
ITEM	DESCRIPCION	CODIGO	CANT.
1	WASHER SPRING	MTD23863	1
2	O RING	MTD19678	1
3	SWIVEL PACKING ASSEMBLY	MTD23861	1
4	WEAR SLEEVE	MTD3546530	1
5	O RING	MTD20324	1
6	O RING	MTD20169	1
7	BALL BEARING	MTD3546908	1
8	FITTING HYD GREASE	MTD17447	1
9	FELT SEAL	MTD25612	1



10. HOISTING PLUG

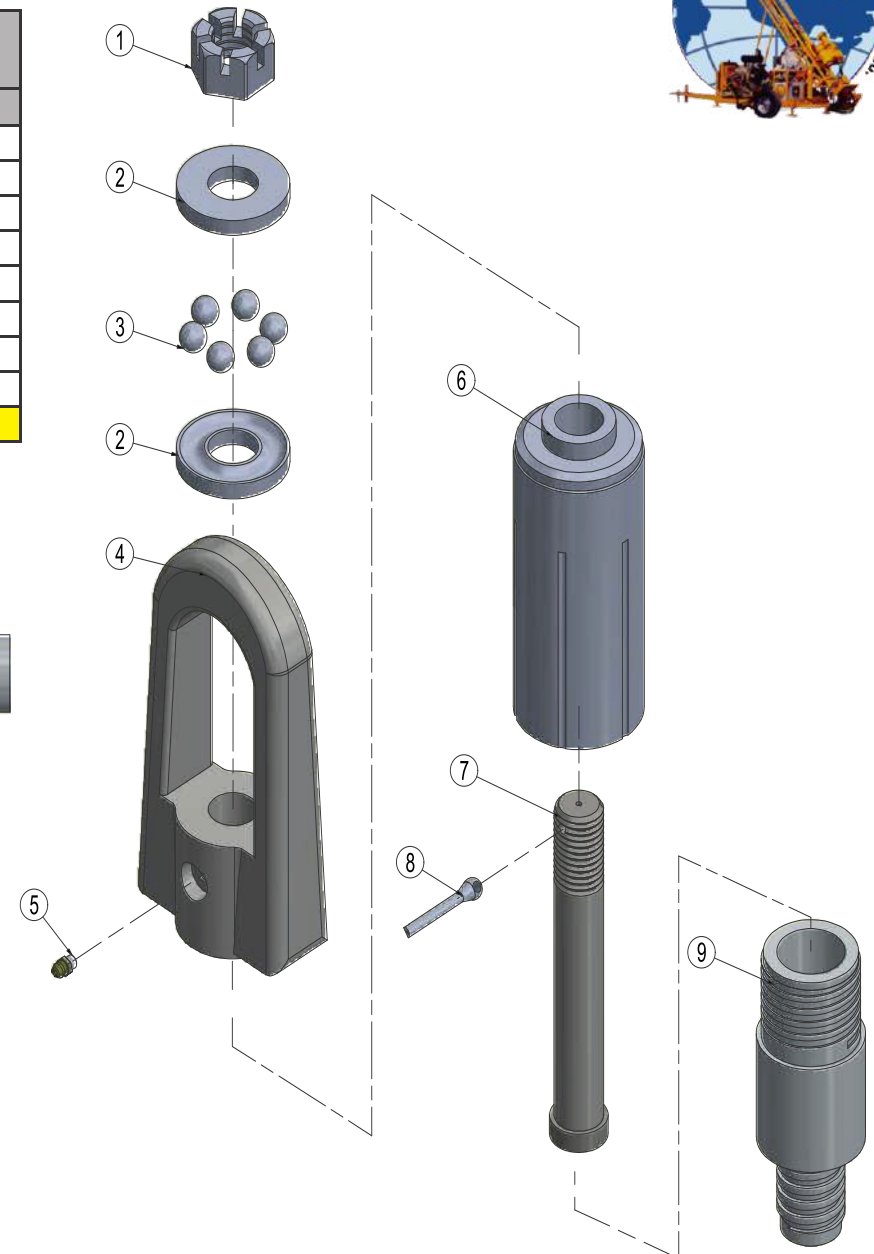
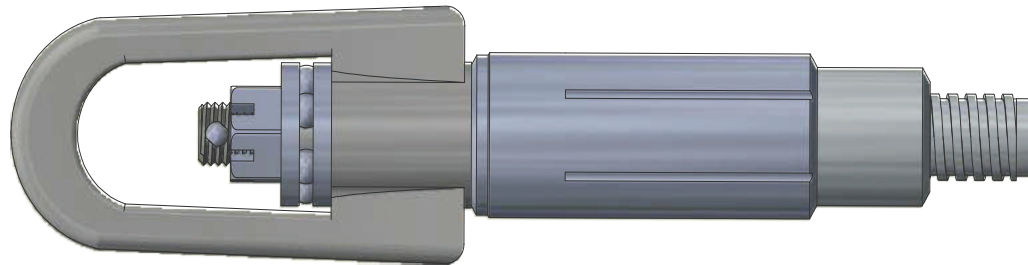
5.000 LBS / 30.000 LBS



METAL TOOL DRILLING & SERVICES SAC



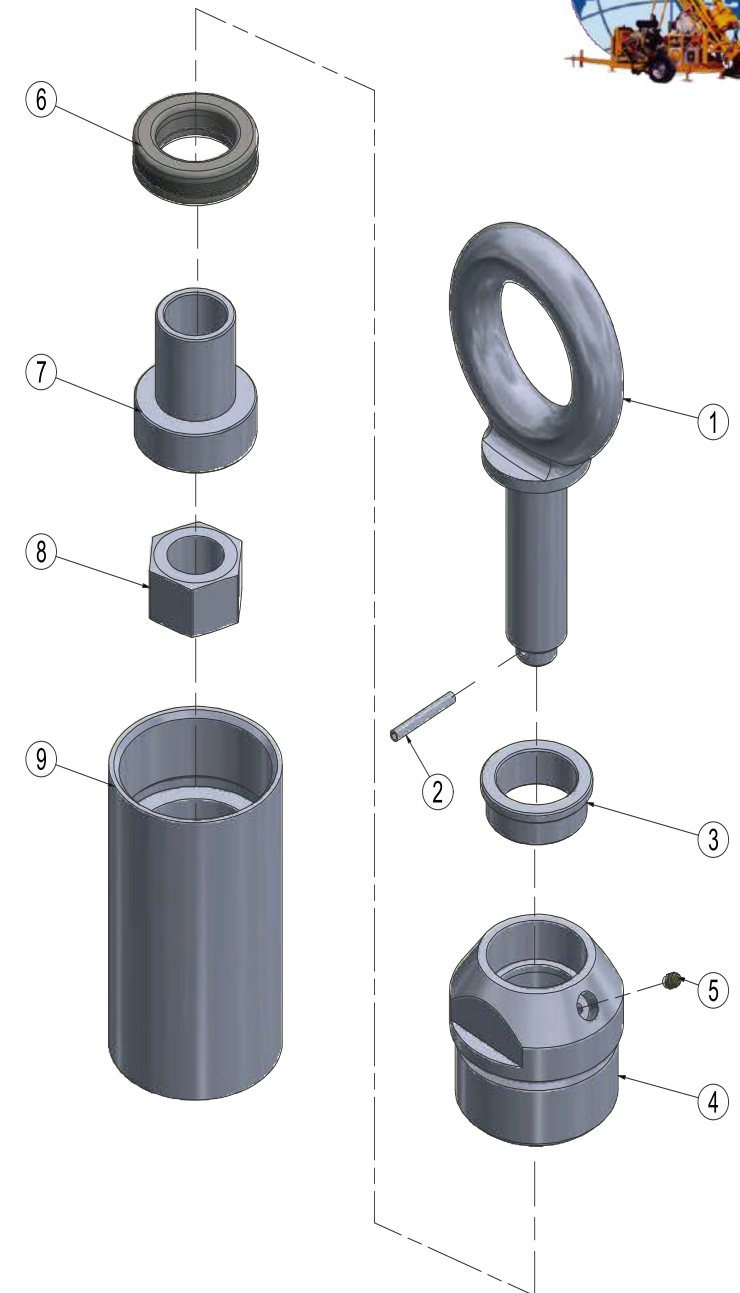
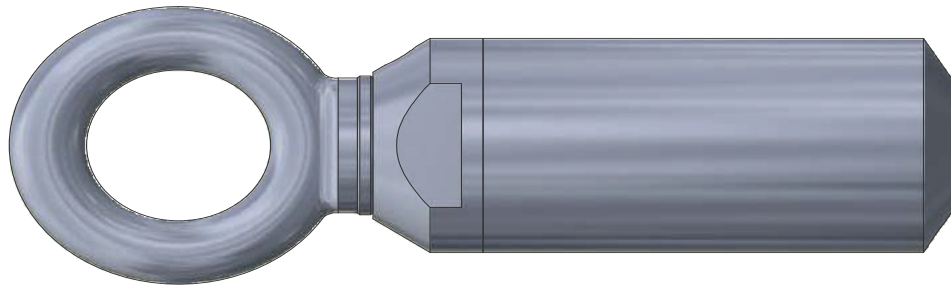
HOISTING PLUG 5,000 LBS MTD6400200			
ITEM	DESCRIPCION	CODIGO	CANT.
1	HEX NUT	MTD6400211	1
2	PLUG BALL RACE	MTD6400212	2
3	STAINLESS STEEL BALL	MTD6400215	9
4	HOISTING PLUG BALL	MTD6400210	1
5	FITTING HYD GREASE	MTD1221220	1
6	HOISTING PLUG BODY	MTD6400213	1
7	PIN COTTER	MTD6400214	1
8	PLUG SPINDLE	MTD6400217	1
9	VALVE ADJUSTING WASHER NO	MTD6400000	1



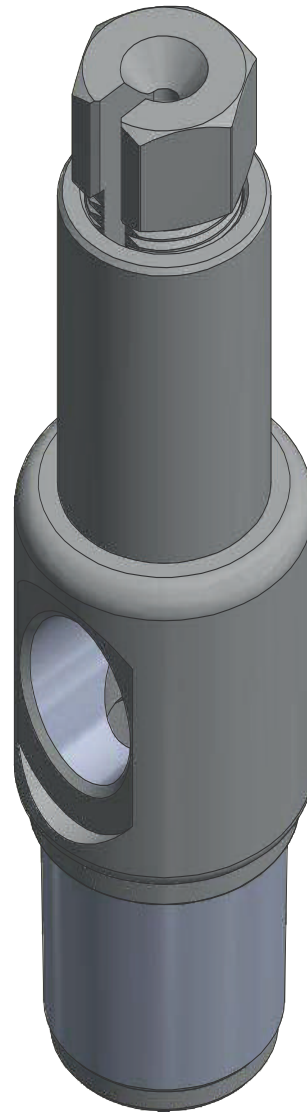
METAL TOOL DRILLING & SERVICES SAC



HOISTING PLUG 30,000 LBS MTD5004353			
ITEM	DESCRIPCION	CODIGO	CANT.
1	EYE BOLT	MTD5003668	1
2	SPRING PIN	MTD37394	1
3	WEAR SLEEVE	MTD3542900	1
4	BEARING HOUSING	MTD5004355	1
5	FITTING HYD GREASE	MTD17447	1
6	HOIST PLUG BEARING	MTD3542902	1
7	SHAFT SLEEVE	MTD3542903	1
8	STOVER LOCK NUT	MTD3542914	1
9	LOWER HOUSING	MTD5004354	1



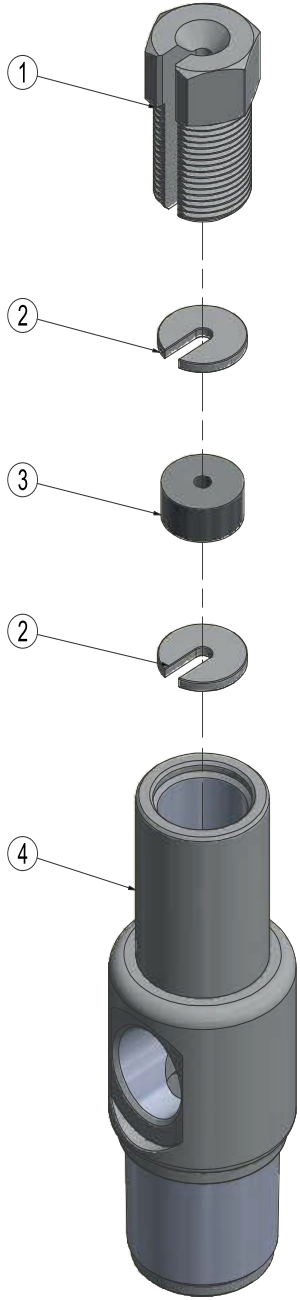
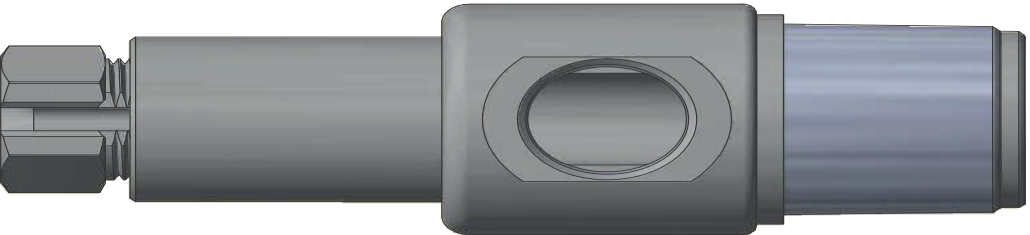
11. LOADING CHAMBER BO/NO/HO



METAL TOOL DRILLING & SERVICES SAC



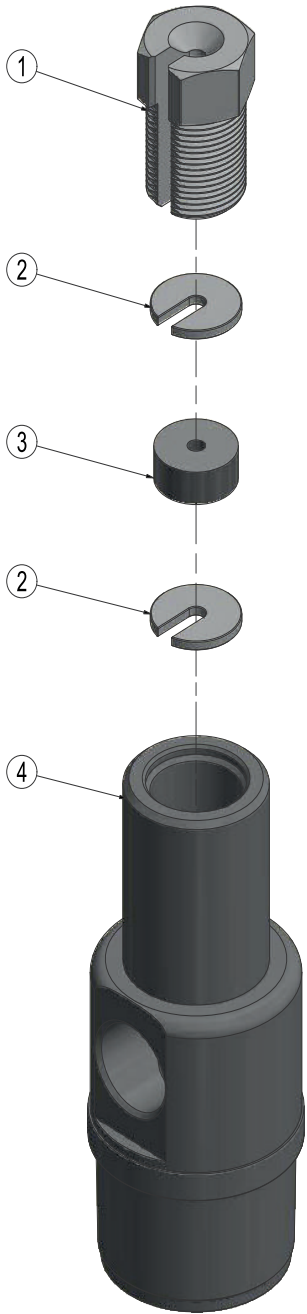
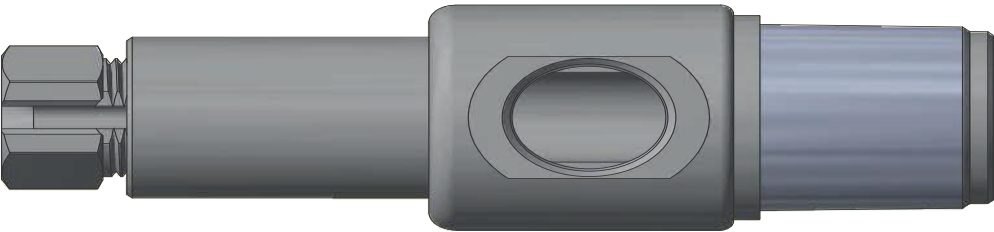
LOADING CHAMBER ASSEMBLY BO MTD3542493			
ITEM	DESCRIPCION	CODIGO	CANT.
1	PACKING PLUG	MTD3541817	1
2	CABLE GUIDE WASHER	MTD3541816	2
3	CABLE PACKING	MTD25546	2
4	LOADING CHAMBER BODY	MTD3542495	1



METAL TOOL DRILLING & SERVICES SAC



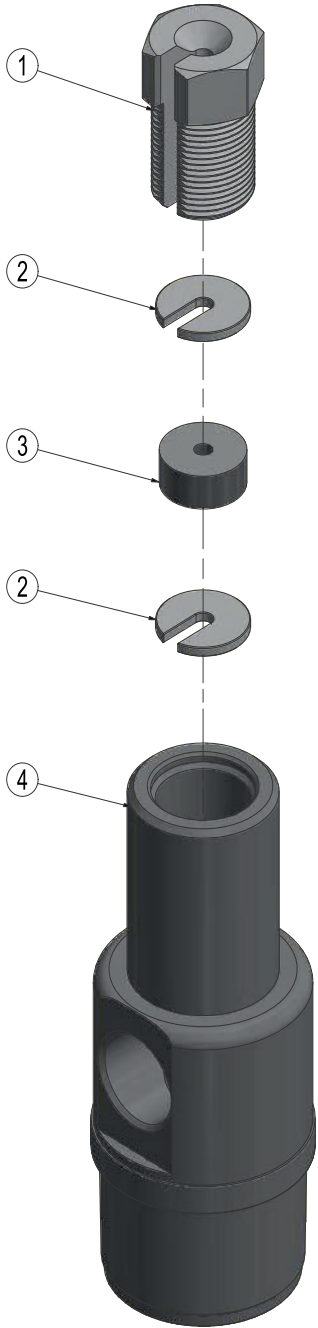
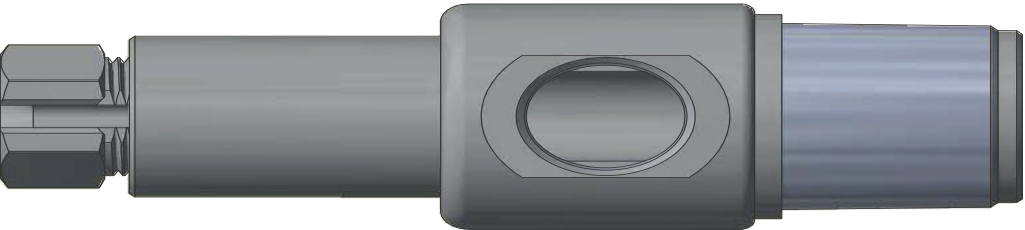
LOADING CHAMBER ASSEMBLY NO MTD3542496			
ITEM	DESCRIPCION	CODIGO	CANT.
1	PACKING PLUG	MTD3541817	1
2	CABLE GUIDE WASHER	MTD3541816	2
3	CABLE PACKING	MTD25546	2
4	LOADING CHAMBER BODY	MTD3541820	1



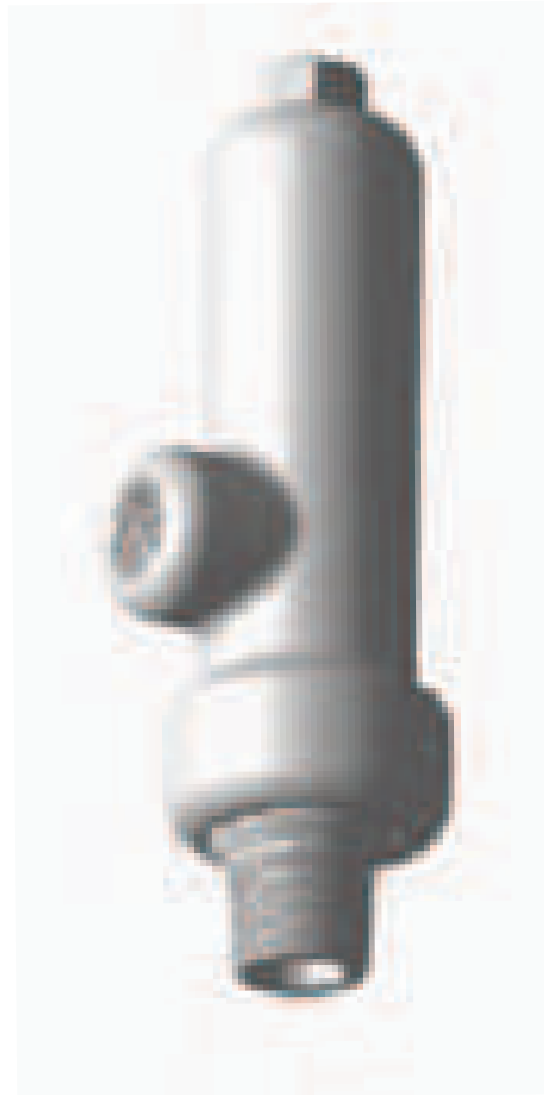
METAL TOOL DRILLING & SERVICES SAC



LOADING CHAMBER ASSEMBLY HO MTD3542498			
ITEM	DESCRIPCION	CODIGO	CANT.
1	PACKING PLUG	MTD3541817	1
2	CABLE GUIDE WASHER	MTD3541816	2
3	CABLE PACKING	MTD25546	2
4	LOADING CHAMBER BODY	MTD3542138	1



12. VALVULA DE ALIVIO





RELIEF VALVE

ID #	PART #	DESCRIPTION	QTy
1-8	3546492	Pressure Relief Valve	1
1	21841	Adjusting Screw	1
2	22179	Jam Brass Hex Nut, 5/8" UNC	1
3	3546493	Body	1
4	3546494	Valve Spring Guide	2
5	24313	NQ Compression Spring	2
6	3546495	Ball Holder	1
7	21837	Steel Ball, 15/16"	4
8	3546496	Seat	4

