



MINING PRODUCTS CATALOGUE



CONTENTS

Shareate Rotary Bits.....	1
Claw Bits & Accessories.....	7
Drill Pipe & Subs.....	8
Shock Subs.....	14
ROO Gasbags.....	15
Deck Bushes.....	17
DTH Hammers & Bits.....	20
Top Hole Hammer.....	27
Drill & Blast Accessories.....	31
Grease, Oils & Lubricants.....	38

SHAREATE ROTARY BITS



SHAREATE ROTARY BITS

IADC	WEIGHT ON BIT PER INCH OF BIT DIAMETER (LB/IN)	ROTARY SPEED (R/MIN)	CUTTING STRUCTURE	APPLICATIONS
412 415	1000 — 2000	90 — 120	Conical on gage and inner rows	Designed for very soft formations with low compressive strength and high friability such as shale, soft limestone, sandstone, gravel clay, soft dolomite, coal
432 435	1000 — 4000	90 — 120	Conical/Chisel	Designed for very soft formations with low compressive strength and high friability such as shale, soft limestone, sandstone, gravel clay, soft dolomite, coal
532 535	2000 — 5000	80 — 110	Conical/Chisel on gage, Conical inner rows	Designed for soft formations with low compressive strength, such as shale, soft limestone, interbedded dolomite, coal.
612 615	3000 — 5000	60 — 100	Conical/Spherical on gage Conical inner rows	Designed for high compressive strength, medium hard and abrasive formations, such as limestone, sandstone, interbedded dolomite.
632 635	3000 — 6000	60 — 100	Conical/Spherical on gage Conical inner rows	Designed for high compressive strength, medium hard and abrasive formations, such as limestone, sandstone, interbedded dolomite.
732 735	4000 — 7000	60 — 90	Spherical on gage, Conical/Double spherical on inner rows	Designed for high compressive strength, hard and abrasive formations, such as granite, limestone, sandstone, dolomite.
832 835	5000 — 8000	50 — 80	Spherical on gage, Double spherical on inner rows	Designed for high compressive strength, hard and abrasive formations, such as magnetite quartzite, quartzite, granite.

SHAREATE ROTARY BITS

DRILL BIT NAMING RULE

Shareate drill bit naming rule is divided into four sections;

- 1. Drill bit diameter code
- 2. Drill bit series code
- 3. Drill bit category code
- 4. Additional features code

Using the 9" SGV635RF as an example;

9	SGV	635	RF
Bit Size	Bit Series	Bit Category	Additional Features

The first part is categorised based on the drill hole operation requirement for selecting the correct bit size, displayed in numbers (integer or fraction) to indicate the diameter in inches.

The second part is based on drilling operation requirements for selecting the correct bit bearing and sealing structure, which is divided into the following series;

- SG series— air cooled open bearing structure
- SA, SGA series— sealed bearing structure
- SGV series— composite sealed bearing structure
- TJ series— water circulation cooled pilot hole series

The third part adapts the IADC code, consisting of 3 digits;

- The first digit references the cutting structure and formation series— ranges from 4 to 8, which designates soft formation, medium-soft formation, medium-hard formation, hard formation and extremely hard formation.

SHAREATE ROTARY BITS

DRILL BIT NAMING RULE

- The second digit further categorises the formation classification— ranges from 1 to 4, with 1 being the softest formation and 4 being the hardest formation.
- The last digit is the drill bit structure characteristic code— air-cooled bearings are referenced with the number 2 and sealed bearings are referenced with the number 5

The fourth part affirms additional features. Shareate rotary bits can be manufactured with the following additional features;

- ◇ G Feature— Specific lug back strengthening
The new enhanced lug back with additional carbide effectively reduces the wear in abrasive ground conditions, improving the gage performance and bit life.
- ◇ F Feature— Cone auxiliary carbide protection
Protecting the cone body from erosion and enhancing drill bit life in abrasive formations.
- ◇ C Feature— Centre nozzle port
Centre nozzle port helps to clean cuttings around the bottom of the drill bit, accelerates the bailing of cuttings, reducing the cone edge wear and increases the drill bit penetration rate.
- ◇ W Feature— Shirttail hardfacing
- ◇ R Feature— Combination of W and G features
- ◇ B Feature— Cone groove/bevel hardfacing

SHAREATE ROTARY BITS

7 7/8" (203mm) ROTARY BITS

40 SERIES	SRV077 415WCS	TRICONE 7-7/8 SRV415 SP CN SC
	SRV077 435RCS	TRICONE 7-7/8 SRV435 SP CN SC
50 SERIES	SGV077 545R	TRICONE 7-7/8 SGV545 STLBP BIT
	SGV077 545RF	TRICONE 7-7/8 SGV545 STLBP AC BIT
60 SERIES	SGV077 635R	TRICONE 7-7/8 SGV635 STLBP BIT
	SGV077 635RF	TRICONE 7-7/8 SGV635 STLBP AC BIT
70 SERIES	SGA077 735R	TRICONE 7-7/8 SGA735 STLBP BIT

9" (229mm) ROTARY BITS

40 SERIES	SGV090 415FS	TRICONE 9 SGV415 AC SC BIT
	SGV090 435FS	TRICONE 9 SGV435 AC SC BIT
50 SERIES	SGV090 545R	TRICONE 9 SGV545 STLBP BIT
	SGV090 545RF	TRICONE 9 SGV545 STLBP AC BIT
60 SERIES	SGV090 635R	TRICONE 9 SGV635 STLBP BIT
	SGV090 635RF	TRICONE 9 SGV635 STLBP AC BIT
70 SERIES	SGV090 735R	TRICONE 9 SGV735 STLBP BIT
	SGV090 735RF	TRICONE 9 SGV735 STLBP AC BIT

9 7/8" (251mm) ROTARY BITS

40 SERIES	SGV097 415RF	TRICONE 9-7/8 SGV415 STLBP AC BIT
	SGV097 435R	TRICONE 9-7/8 SGV435 SC BIT
	SGV097 435RF	TRICONE 9-7/8 SGV435 STLBP AC BIT
50 SERIES	SGV097 535RF	TRICONE 9-7/8 SGV535 STLBP AC BIT
60 SERIES	SGV097 615RF	TRICONE 9-7/8 SGV615 STLBP AC BIT
	SGV097 645RF	TRICONE 9-7/8 SGV645 STLBP AC BIT

SHAREATE ROTARY BITS

10 5/8" (270mm) ROTARY BITS

40 SERIES	SGV105 415RS	TRICONE 10-5/8 SGV415RS
	SGV105 425RS	TRICONE 10-5/8 SGV425 STLBP SC BIT
50 SERIES	SGV105 515RS	TRICONE 10-5/8 SGV515 STLBP SC BIT
	SGV105 535R	TRICONE 10-5/8 SGV535R STLBP BIT
60 SERIES	SGV105 615R	TRICONE 10-5/8 SGV615 STP GRP BIT
	SGV105 645R	TRICONE 10-5/8 SGV645R STLBP BIT
70 SERIES	SGV105 715R	TRICONE 10-5/8 SGV715R STLBP BIT

12 1/4" (311mm) ROTARY BITS

60 SERIES	SGA1214 645R	TRICONE 12-1/4 SGA645R STP BIT
70 SERIES	SGA1214 735R	TRICONE 12-1/4 SGA735 LBSTP BIT
	SA1214 745WG	TRICONE 12-1/4 SA745 STP BIT
80 SERIES	SA1214 835WG	TRICONE 12-1/4 SA835 STP BIT



CLAW BITS & ACCESSORIES

CLAW BITS

229mm	CB090 Z01	CLAW BIT 9IN Z01
251mm	CB097 Z01	CLAW BIT 9 7/8IN Z01
270mm	CB105 Z01	CLAW BIT 10-5/8IN Z01

ACCESSORIES

AMSPICKS BSH05	PICKS BETEK BSH05 LONG RETAINER
AMSBK17	PICKS-19.4MM WITH S/RETAINER
AMSKHP2	PICK PUNCH FINGER
AMSPICKHAMMER	HAMMER NORMALISED 4LB (EN-NICH4N)
AMSPICKHAMMER3LB	PICK HAMMER 3LB MUMME S/F (7HCMNFRH135)
AMSPICKPUNCH	PICK PUNCH MUMME (7WRP13)
AMSPICKPUNCHFINGER	PICK PUNCH FINGER BETEK (160BBZ43)



DRILL PIPE & SUBS



DRILL PIPE & SUBS

3.5" (89mm) DRILL PIPE & SUBS

2 3/8" API	SAVER	5X35A238A20	SAVER SUB 3.5IN 3 1/2 API P 2 3/8 API B 200MM
	PIPE	3X238AA600	DRILL ROD 3.5IN 2 3/8 API P/B 6M
		3X238AA800	DRILL ROD 89MM 2 3/8 API PB 8 METRE
	SUB	1HA238AA20	HAMMER SUB 4IN 2 3/8 API PIN BOX 200MM

4" (102mm) DRILL PIPE & SUBS

24 CUBEX	SAVER	5A24CC20	SAVER SUB 4IN 24CUBEX P/B 200MM
	PIPE	3A24CC600	DRILL ROD 4IN 24CUBEX P/B 6M
	SUB	1HA24C35A20	BITSUB 4IN 24CBXPIN 3 1/2 API BOX 200MM
		1HA24C238A16	BITSUB 4IN 24CUBEX P 2 3/8 API B 160MM
3 1/8" DIBH	SAVER	5A318DD15	SAVER SUB 4IN 3 1/8 DIBH PIN BOX 150MM
	PIPE	3A318DD610	DRILL ROD 4IN 3 1/8 DIBH P/B 6.1M
	SUB	1HA318D238A20	BITSUB 4IN 3 1/8 DIBH P 2 3/8 API B 200MM

4.5" (114mm) DRILL PIPE & SUBS

3 1/2" API	SPINDLE	5B35AA43	SPINDLE SUB 4.5IN 3.5 API PIN/BOX 430MM
		5B35AA90	SPINDLE 4.5 IN 3.5 API P 3.5 API B 900MM
	SAVER	5B35AA60	SAVER SUB 4.5IN 3.5 API PIN/BOX 600MM
	PIPE	3B35AA600-G	DRILL ROD 4.5IN 3.5API P/B W/GR 6M
		3B35AA800-G	DRILL ROD 4.5IN 3.5API P/B W/GR 8M XLF
	SUB	5B35AA15	HAMMER SUB 4.5IN 3.5 API PIN/BOX 150MM
		5B35AA20	HAMMER SUB 4.5IN 3.5 API PIN/BOX 200MM

DRILL PIPE & SUBS

4.5" (114mm) DRILL PIPE & SUBS

24 CUBEX	SPINDLE	2B35A24C30	SPINDLE 4.5IN 3.5API P 24CUBEX P 300MM
		5B35A24C30	SPINDLE 4.5 IN 3.5 API P 24CUBEX B 300MM
	SAVER	4B24CC30	SAVER SUB 4.5IN 24CUBEX B/B 300MM
	PIPE	3B24CC600-G	DRILL ROD 4.5IN W/24CUBEX P/B W/GR 6M
		3B24CC800-G	DRILL ROD 4.5IN W/24CUBEX P/B W/GR 8M
3" BECO	SUB	1HC24C35A20	BITSUB 4.5IN 24CBXPIN-3-1/2 APIBOX 200MM
	SPINDLE	5B35A3B20	SPINDLE 4.5IN 3-1/2 API PIN 3 BECO BOX 200MM
	SAVER	5B3BB20	SAVER 4.5IN 3 BECO P/B 200MM
	PIPE	3B3BB600-G	DRILL ROD 4.5IN 3IN BECO P/B 6M
		3B3BB800-G	DRILL ROD 4.5IN 3IN BECO P/B 8M
	SUB	5B3B35A20	HAMMER SUB 4.5IN 3 BECO P 3 1/2 API B 200MM

5" (127mm) DRILL PIPE & SUBS

3.5" BECO	SPINDLE	5C35AB20	SUB 5IN 3-1/2 API P 3-1/2 BECO B 200MM
	SAVER	5C35BB15	SAVER SUB 5" OD 3.5 BECO PIN/BOX 150MM
	PIPE	3C35BB600	DRILL ROD 5IN 3.5 BECO P/B 6M
		3C35BB800-G	DRILL ROD 5IN 3.5 BECO P/B 8M
	SUB	5C35BA20	SUB 5IN 3-1/2 BECO P 3-1/2 API B 200MM

5.5" (140mm) DRILL PIPE & SUBS

3.5" BECO	SPINDLE	5D35A35B28	SUB 5.5IN 3-1/2 API P 3-1/2 BECO B 280MM
	SAVER	5D35BB15	SAVER SUB 5.5IN 3.5 BECO PIN/BOX 150MM
	PIPE	3D35BB600-G	DRILL ROD 5.5IN 3.5 BECO P/B 6M
	SUB	1HD35BA25	HAMMER SUB 5.5IN 3.5 BECO P 3.5 API B 250MM

DRILL PIPE & SUBS

5.5" (140mm) DRILL PIPE & SUBS

4" BECO	SAVER	5D35IF4B17	SAVER SUB 5.5IN 3.5 IFP 4 BECOB 173MM
	PIPE	3D4BB600-G	PIPE 5.5IN 4 BECO P/B 6M
		3D4BB800-G	PIPE 5.5IN 4 BECO P/B 8M
	SUB	1HD4B35A25	HAMMER SUB 5.5IN 4BECO P 3.5 API B 250MM
		1HD4B45A25	HAMMER SUB 5.5IN 4BECO P 4.5 API B 250MM

7" (178mm) DRILL PIPE & SUBS

DML	SPINDLE	5G4IFIF44-DM5	EXTSUB 7IN 4IF P/B 435MM DML5
	SAVER	5G4IF45B30-DM5	EXTSUB 7IN 4IF P 4.5BECO B 300MM DML5
	PIPE	3G45BB1067-DM5	PIPE 7IN 4.5BECO P/B 10.67M DML5
	SUB	1RG45BA91-P235	BITSUB 7IN 4.5BECO P API B 914MM PV235
		1RG45B658A91-P235	BITSUB 7IN 4.5BP 6-5/8API B 914MM PV235
PV235	SPINDLE	2G4IF45B102-P235	SPINDLE 7IN 4IF P 4.5BECO P 1.02M PV235
	SAVER	4G45BB30-S5S55	SAVER SUB 7IN 4.5BECO B/B 300MM SKF
	PIPE	3G45BB1220-P235	PIPE 7IN 4.5BECO P/B 12.2M PV235
		3G45BB1220-P235-A	PIPE 7IN 4.5BECO P/B 12.2M PV235 ARC
	SUB	1RG45BA91-P235	BITSUB 7IN 4.5BECO P API B 914MM PV235
		1RG45B658A91-P235	BITSUB 7IN 4.5BP 6-5/8API B 914MM PV235
		1RG45BA105-P235-A	BITSUB 7IN 4.5BECO P API B 1050MM PV235 ARC
SKF	SPINDLE	5G55A45B70-S5	SPINDLE 7IN 5.5APIP 4.5BECO B 700MM SKF
		5G55A45B120-S55	SPINDLE 7IN 5.5APIP 4.5BECO B 1.2M SKF
	SAVER	5G45BB25-S5	SAVER SUB 7IN 4.5 BECO P/B 0.25M SKF
		5G45BB40-S55	SAVER SUB 7IN 4.5BECO P/B 0.4M SKF
	PIPE	3G45BB1067-S5	PIPE 7IN 4-1/2 BECO P/B X 10.67M SKF (127)
		3G45BB1067-S55	PIPE 7IN 4-1/2 BECO P/B X 10.67M SKF (140)

DRILL PIPE & SUBS

7" (178mm) DRILL PIPE & SUBS

SKF	SUBS	5G45BB160-S5	EXT SUB 7IN 4.5 BECO P/B 1.6M SKF
		1HG45BA120-S5S55	BITSUB 7IN 4.5BECO P 4.5API B 1.2M SKF
		1RG45BA91-P235	BITSUB 7IN 4.5BECO P API B 914MM PV235
		1RG45B658A91-P235	BITSUB 7IN 4.5BP 6-5/8API B 914MM PV235
PV271	SPINDLE	5G658A45B92-P6	SP-SUB 7IN 6-5/8 APIP 4-1/2 BECOB 0.92M
		5G658A45B80-P6	SPINDLE 7IN 6-5/8API P 4.5B B 0.8M PV271
		5G658A45B60-P6	SPINDLE 7IN 6-5/8API P 4.5B B 0.6M PV271
	SAVER	5G45BB40-P6	SAVER SUB 7IN 4.5BECO P/B 0.4M PV271
	PIPE	3G45BB762-P6	PIPE 7IN 4.5BECO P/B 7.6M PV271
	SUB	1HG45BA180-P6	BITSUB 7IN 4.5BECO P 4.5API B 1.8M PV271
		1RG45AA122-P6	BITSUB 7IN 4.5 API P/B 1.2M PV271
		1RG45A658A122-P6	BITSUB 7IN 4.5API P 6-5/8 B 1.2M PV271
MD6250	SAVER	5G45IFB28-MD6250	SAVER 7IN 4.5 IF P 4.5 BECO B 280MM MD6250
	PIPE	3G45BB609-MD6250	PIPE 7IN 4.5 BECO P/B 6.09M MD6250
	SUBS	1RG45BB121-MD6250	EXT SUB 7IN 4.5 BECO P/B 1.21M MD6250
		1RG45BA121-MD6250	BIT SUB 7IN 4.5 BECOP 4.5 APIB 1.21M MD6250

7 5/8" (194mm) DRILL PIPE & SUBS

PV271	SPINDLE	5I658A514B48-P7S6	SP 758IN 6-5/8API P 5-1/4B B 0.48M PVSK
		5I658A514B119-P7	SP 758IN 6 5/8API P 5 1/4B B 1.19M PV271
	PIPE	3I514BB762-P7	PIPE 758IN 5 1/4BECO P/B 7.6M PV271
	SUB	5I514BB182-P7S6	EXSUB 758IN 5 1/4BECO P/B 1.82M PV271 ES
		5I514BB150-P7S6	EXSUB 758IN 5 1/4BECO P/B 1.50M PV271 ES
		1RI514B45A120-P7S6	SUB 758IN 5-1/4BP 4.5API B 1.2M PV271 ES6
		1RI514B658A120-P7S6	SUB 758IN 5 1/4BP 6 5/8AB 1.2M PV271 ES6

DRILL PIPE & SUBS

7 5/8" (194mm) DRILL PIPE & SUBS

SKS	SPINDLE	5I658A514B70-S6	SP 758IN 6 5/8 REG P 5-1/4 BECO B 700MM
	SAVER	5I514BB22-S6	SAVER 758IN 5 1/4BECO P/B 220MM SKS
	PIPE	3I514BB762-S6	PIPE 758IN 5 1/4BECO P/B 7.62M SKS
	SUBS	3I514BB1067-S6	PIPE 758IN 5 1/4BECO P/B 10.67M SKS
		3I514BB1067-S6-AT	PIPE 7-58 5-14BECO P/B X10.67M SKAUTO HF
MD6310	SPINDLE	5I658A514B48-P7S6	SP 758IN 6-5/8API P 5-1/4B B 0.48M PVSK
	PIPE	3I514BB762-S6	PIPE 758IN 5 1/4BECO P/B 7.62M SKS
	SUBS	5I514BB182-P7S6	EXSUB 758IN 5 1/4BECO P/B 1.82M PV271 ES
		1RI514B45A120-P7S6	SUB 758IN 5-1/4BP 4.5API B 1.2M PV271 ES6
		1RI514B658A120-P7S6	SUB 758IN 5 1/4BP 6 5/8AB 1.2M PV271 ES6



SHOCK SUBS

SHOCK SUBS, ADAPTERS & REFURBS

D65	D65 SP ADAPTER	D65 SPINDLE ADAPTER 3 1/2" API BOX
	SHOCKSUB D65	D65 SHOCK SUB 3.5" API PIN/BOX
	SHOCKSUB-R D65	SHOCKSUB REFURBISHMENT D65
DML/PV235/ MD6250	SHOCK SUB 10	SHOCK SUB 306130 10IN 4IF PIN/BOX
	SHOCKSUB-R10	SHOCK SUB REFURB 306130 10IN 4IF PIN/BOX
PV271/SK/ MD6310	SHOCKSUB 18-S	SHOCK 306430 SEALED 18"OD 5-1/2" API P/B
	SHOCKSUB-R18	SHOCK SUB REFURBISHED 18"OD



ROO GASBAGS



ROO GASBAGS

ROO GASBAGS	
ROO115-127	ROO GASBAG 115-127MM (30/BOX)
ROO140-150	ROO GASBAG 140-150MM (30/BOX)
ROO150-165	ROO GASBAG 150-165MM (30/BOX)
ROO200-230	ROO GASBAG 200-230MM (25/BOX)
ROO250-270	ROO GASBAG 250-270MM (25/BOX)
ROO311	ROO GASBAG 311MM (25/BOX)

- 2-Speed option
- Non-flammable gas
- 11% added length
- Larger contact surface areas



DECK BUSHES



DECK BUSHES

LIGHT WEIGHT RANGE

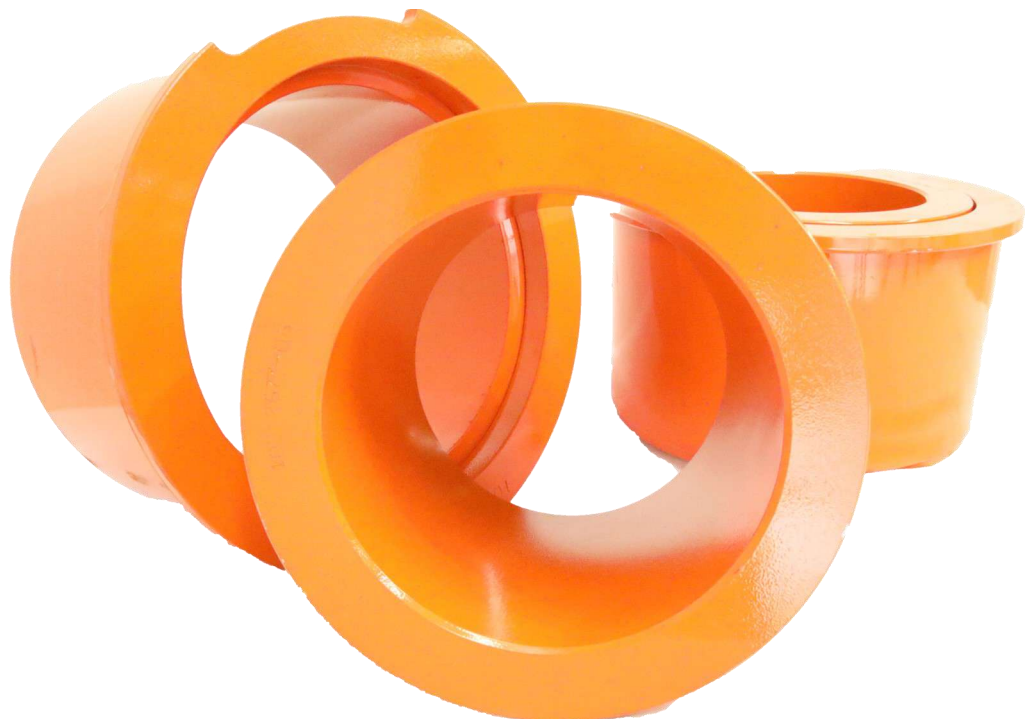
DB-7-254-LW-DML	DECK BUSH 7IN 254OD LT WT DML
DB-7-300-LW-PV235	DECK BUSH 7IN 300OD LT WT PV235
DB-7-325-LW-PV271	DECK BUSH 7IN 325OD LT WT PV271
DB-758-277-LW-PV275	DECK BUSH 758IN 277OD LT WT PV275
DB-758-325-LW-PV271	DECK BUSH 758IN 325OD LT WT PV271
DB-758-325-LW-SKS	DECK BUSH 758IN 325OD LT WT SKS
DB-858-325-LW-SKS	DECK BUSH 858IN 325OD LT WT SKS

- **50-70% reduction in weight to steel**
- **Functionality maintained**
- **Safer manual handling**
- **Eliminates need for additional lifting devices**



DECK BUSHES

STEEL RANGE		
DOUBLE RACE	DB-7-300-DR-PV235	DECK BUSH 7IN 300OD DOUBLE RACE PV235
	DB-7-325-DR-PV271	DECK BUSH 7IN 325OD DOUBLE RACE PV271
	DB-758-325-DR-PV271	DECK BUSH 7IN 325OD DOUBLE RACE PV271
	DB-758-325-DR-SKS	DECK BUSH 7IN 325OD DOUBLE RACE PV271
TRIPLE RACE	DB-614-TR-PV235	DECK BUSH 6-1/4IN 300OD TRIPLE R PV235
	DB-7-279-TR-SKF	DECK BUSH 7IN 279OD TRIPLE RACE SKF
	DB-7-300-TR-PV235	DECK BUSH 7IN 300OD TRIPLE RACE PV235
	DB-7-325-TR-PV271	DECK BUSH 7IN 325OD TRIPLE RACE PV271
	DB-758-281-TR-PV271S1	DECK BUSH 758IN 281OD TRIPLE R PV271S1
	DB-758-325-TR-SKS	DECK BUSH 758IN 325OD TRIPLE RACE SKS
2 PIECE	DB-758-325-INNER-PV271	DECK BUSH 758IN 325OD INNER PV271
	DB-758-325-OUTER-PV271	DECK BUSH 758IN ROLLER OUTER PV271



DTH HAMMERS & BITS



DTH HAMMERS & BITS

3" RANGE		
HAMMER	AMS3-D	HAMMER 3 INCH VALVED DHD 3.5 SHANK
	AMS3-ND	HAMMER 3 INCH VALVELESS IR 3.5 SHANK
89MM	AMS3-89-CC-IR3.5	AMS3 BIT 89MM IR 3.5 SHANK CONCAVE
	AMS3-89-CV-IR3.5	AMS3 BIT 89MM IR 3.5 SHANK CONVEX
	AMS3-89-FF-IR3.5	AMS3 BIT 89MM IR 3.5 SHANK FLAT FACE

4" QL RANGE VALVELESS		
HAMMER	AMS4-D	HAMMER 4IN VALVELESS DHD340 SHANK
115MM	AMS4-115-DHD340-CC	AMS4 BIT 115MM DHD340 SHANK CONCAVE
	AMS4-115-DHD340-DC	AMS4 BIT 115MM DHD340 SHANK DROP CENTER
	AMS4-115-DHD340-FF	AMS4 BIT 115MM DHD340 SHANK FLAT FACE
127MM	AMS4-127-DHD340-CC	AMS4 BIT 127MM DHD340 SHANK CONCAVE
	AMS4-127-DHD340-DC	AMS4 BIT 127MM DHD340 SHANK DROP CENTER
	AMS4-127-DHD340-FF	AMS4 BIT 127MM DHD340 SHANK FLAT FACE
	AMS4-127-DHD340-W	AMS4 BIT 127MM DHD340 WASSARI

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
1030mm	2 3/8" API REG	Ø99mm	DHD340A	Ø110mm – 135mm	39kg

DTH HAMMERS & BITS

4" SHORT SHANK RANGE

HAMMER	AMS4-SP	HAMMER 4IN VALVELESS SP SHANK
115MM	AMS4-115-SP-FF	AMS4 BIT 115MM SP SHANK FLAT FACE
	AMS4-115-SP-CC	AMS4 BIT 115MM SP SHANK CONCAVE
	AMS4-115-SP-CV	AMS4 BIT 115MM SP SHANK CONVEX
127MM	AMS4-127-SP-FF	AMS4 BIT 127MM SP SHANK FLAT FACE
	AMS4-127-SP-CV	AMS4 BIT 127MM SP SHANK CONVEX

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
863mm	2 3/8" API REG	Ø99mm	SP480	Ø108mm – 135mm	35kg

5" QL RANGE

HAMMER	AMS5-QLA	HAMMER 5IN VALVELESS QL SHANK
	AMS5-QL	HAMMER 5IN VALVED QL SHANK
140MM	AMS5-140-QL-CC	AMS5 BIT 140MM QL SHANK CONCAVE
	AMS5-140-QL-FF	AMS5 BIT 140MM QL SHANK FLAT FACE
	AMS5-140-QL-W	AMS BIT 140MM QL SHANK WASSARI
165MM	SRBQ516510-FF-3P	DTH BIT QL5 165MM FLAT FACE 3P
	SRBQ516510-CC-3P	DTH BIT QL5 165MM CONCAVE 3P

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
AMS5-QLA VALVELESS					
1102mm	3 1/2" API REG	Ø126mm	QL50A	Ø136mm – 155mm	68.5kg
AMS5-QL VALVED					
1154mm	3 1/2" API REG	Ø126mm	QL50	Ø136mm – 155mm	73.5kg

DTH HAMMERS & BITS

5" SHORT SHANK RANGE

HAMMER	AMS5-SP	HAMMER 5IN VALVELESS SP SHANK
140MM	AMS5-140-SP-CC	AMS5 BIT 140MM SP SHANK CONCAVE
	AMS5-140-SP-FF	AMS5 BIT 140MM SP SHANK FLAT FACE
	AMS5-140-SP-CV	AMS5 BIT 140MM SP SHANK CONVEX

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
970mm	3 1/2" API REG	Ø126mm	SP580	Ø136mm – 155mm	64kg

6" QL RANGE

HAMMER	WQ65BK	DTH HAMMER WQ65B VALVELESS
	AMS6-QL	HAMMER 6IN VALVED QL SHANK
165MM	SRBQ616510-DC-19-3P	DTH BIT QL6 165MM (19MM) DROP CENTRE 3P
	SRBQ616510-FF-19-3P	DTH BIT QL6 165MM (19MM) FLAT FACE 3P
	SRBQ616563-CC-18-3P	DTH BIT QL6 165MM (18MM) CONCAVE 3 PORT
203MM	SRBQ620310-DC-3P	DTH BIT QL6 203MM DROP CENTRE 3 PORT
	SRBQ620310-FF-3P	DTH BIT QL6 203MM FLAT FACE 3 PORT
	SRBQ620310-CC-3P	DTH BIT QL6 203MM CONCAVE 3 PORT

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
WQ65BK VALVELESS					
1100mm	3 1/2" API REG	Ø146mm	QL60	Ø156mm – 203mm	95.6kg
AMS6-QL VALVED					
1211mm	3 1/2" API REG	Ø148mm	QL60	Ø158mm – 190mm	105kg

DTH HAMMERS & BITS

6" SHORT SHANK RANGE

HAMMER	AMS6-SP	HAMMER 6IN VALVELESS SP SHANK
165MM	AMS6-165-SP-DC	AMS6 BIT 165MM SP SHANK DROP CENTRE
	AMS6-165-SP-FF	AMS6 BIT 165MM SP SHANK FLAT FACE
	AMS6-165-SP-CV	AMS6 BIT 165MM SP SHANK CONVEX

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
1131mm	3 1/2" API REG	Ø148mm	SP680	Ø156mm – 203mm	100.5kg

7" SHORT SHANK RANGE

HAMMER	AMS7-SP-175	HAMMER 7IN VALVELESS SP SHANK
203MM	AMS7-203-SP-FF	AMS7 BIT 203MM SP SHANK FLAT FACE
	AMS7-203-SP-CV	AMS7 BIT 203MM SP SHANK CONVEX

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
1231mm	4 1/2" API REG	Ø175mm	SP780	Ø190mm – 230mm	160kg



DTH HAMMERS & BITS

8" QL RANGE

HAMMER	AMS8-QL80A	HAMMER 8 INCH VALVELESS QL80 194MM
	AMS8-QL80	HAMMER QL80 VALVED 185MM OD
BITS	AMS8-229-QL80A-FF	BIT 229MM QL80A FLAT FACE VALVELESS
	AMS8-300-QL80-FF	BIT 300MM QL80A FLAT FACE VALVED

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
AMS8-QL80A VALVELESS					
1335mm	4 1/2" API REG	Ø194mm	QL80A	Ø200mm – 254mm	188g
AMS8-QL80 VALVED					
1471mm	4 1/2" API REG 5 1/4" BECO	Ø185mm	QL80	Ø200mm – 254mm	230kg

8" SHORT SHANK RANGE

HAMMER	AMS8-SP-185	HAMMER 8IN VALVELESS SP SHANK 185 MM
	AMS8-SP-194	HAMMER 8IN VALVELESS SP SHANK 194 MM
229MM	AMS8-229-SP-CC	AMS8 BIT 229MM SP SHANK CONCAVE
	AMS8-229-SP-CV	AMS8 BIT 229MM SP SHANK CONVEX
	AMS8-229-SP-FF	AMS8 BIT 229MM SP SHANK FLAT FACE

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
AMS8-SP-185 VALVELESS					
1266mm	4 1/2" API REG	Ø185mm	SP883	Ø200mm – 254mm	221g
AMS8-SP-194 VALVELESS					
1266mm	4 1/2" API REG 5 1/4" BECO	Ø194mm	SP883	Ø200mm – 254mm	230g

DTH HAMMERS & BITS

9" SHORT SHANK RANGE

HAMMER	AMS9-SP	HAMMER 9IN VALVELESS SP SHANK
254MM	AMS9-254-SP-CV	AMS9 BIT 254MM SP SHANK CONVEX
	AMS9-254-SP-CC	AMS9 BIT 254MM SP SHANK CONCAVE
	AMS9-254-SP-FF	AMS9 BIT 254MM SP SHANK FLAT FACE

Hammer Length	Top Sub Connection	Hammer OD	Shank Type	Hole Size	Total Weight
1410mm	5 1/2" API REG	Ø225mm	SP1080	Ø254mm – 311mm	289kg



TOP HOLE HAMMER



TOP HOLE HAMMER

T51 BITS		
89MM	T51-89-DC-STD	T51 89MM DC STANDARD BUTTON BIT
	T51-89-FF-STD	T51 89MM FF STANDARD BUTTON BIT
	T51-89-DC-RETRAC	T51 89MM DC RETRAC BUTTON BIT
	T51-89-FF-RETRAC	T51 89MM FF RETRAC BUTTON BIT
102MM	T51-102-DC-STD	T51 102MM DC STANDARD BUTTON BIT
	T51-102-FF-STD	T51 102MM FF STANDARD BUTTON BIT
	T51-102-DC-RETRAC	T51 102MM DC RETRAC BUTTON BIT
	T51-102-FF-RETRAC	T51 102MM FF RETRAC BUTTON BIT
115MM	T51-115-DC-STD	T51 115MM DC STANDARD BUTTON BIT
	T51-115-FF-STD	T51 115MM FF STANDARD BUTTON BIT
	T51-115-DC-RETRAC	T51 115MM DC RETRAC BUTTON BIT
	T51-115-FF-RETRAC	T51 115MM FF RETRAC BUTTON BIT
127MM	T51-127-DC-STD	T51 127MM DC STANDARD BUTTON BIT
	T51-127-FF-STD	T51 127MM FF STANDARD BUTTON BIT
	T51-127-DC-RETRAC	T51 127MM DC RETRAC BUTTON BIT
	T51-127-FF-RETRAC	T51 127MM FF RETRAC BUTTON BIT

T51 WASSARI BITS		
89MM	T51-89-WAS-STD	T51 89MM DC STANDARD BUTTON BIT
	T51-89-WAS-RETRAC	T51 89MM DC RETRAC BUTTON BIT
102MM	T51-102-WAS-STD	T51 102MM WASSARI 4 PORT STANDARD BIT
	T51-102-WAS-RETRAC	T51 102MM WASSARI 4 PORT RETRAC BIT
115MM	T51-115-WAS-STD	T51 115MM WASSARI 4 PORT STANDARD
	T51-115-WAS-RETRAC	T51 115MM WASSARI 4 PORT RETRAC
127MM	T51-127-WAS-STD	T51 127MM WASSARI BIT STANDARD
	T51-127-WAS-RETRAC	T51 127MM WASSARI BIT RETRAC

TOP HOLE HAMMER

EL60 BITS		
89MM	EL60-89-DC-STD	EL60 89MM DC STANDARD BUTTON BIT
	EL60-89-FF-STD	EL60 89MM FF STANDARD BUTTON BIT
	EL60-89-DC-RETRAC	EL60 89MM DC RETRAC BUTTON BIT
	EL60-89-FF-RETRAC	EL60 89MM FF RETRAC BUTTON BIT
102MM	EL60-102-DC-STD	EL60 102MM DC STANDARD BUTTON BIT
	EL60-102-FF-STD	EL60 102MM FF STANDARD BUTTON BIT
	EL60-102-DC-RETRAC	EL60 102MM DC RETRAC BUTTON BIT
	EL60-102-FF-RETRAC	EL60 102MM FF RETRAC BUTTON BIT
115MM	EL60-115-DC-STD	EL60 115MM DC STANDARD BUTTON BIT
	EL60-115-FF-STD	EL60 115MM FF STANDARD BUTTON BIT
	EL60-115-DC-RETRAC	EL60 115MM DC RETRAC BUTTON BIT
	EL60-115-FF-RETRAC	EL60 115MM FF RETRAC BUTTON BIT
127MM	EL60-127-DC-STD	EL60 127MM DC STANDARD BUTTON BIT
	EL60-127-FF-STD	EL60 127MM FF STANDARD BUTTON BIT
	EL60-127-DC-RETRAC	EL60 127MM DC RETRAC BUTTON BIT
	EL60-127-FF-RETRAC	EL60 127MM FF RETRAC BUTTON BIT
140MM	EL60-140-DC-RETRAC	EL60 140MM DC RETRAC BUTTON BIT
152MM	EL60-152-DC-RETRAC	EL60 152MM DC RETRAC BUTTON BIT



TOP HOLE HAMMER

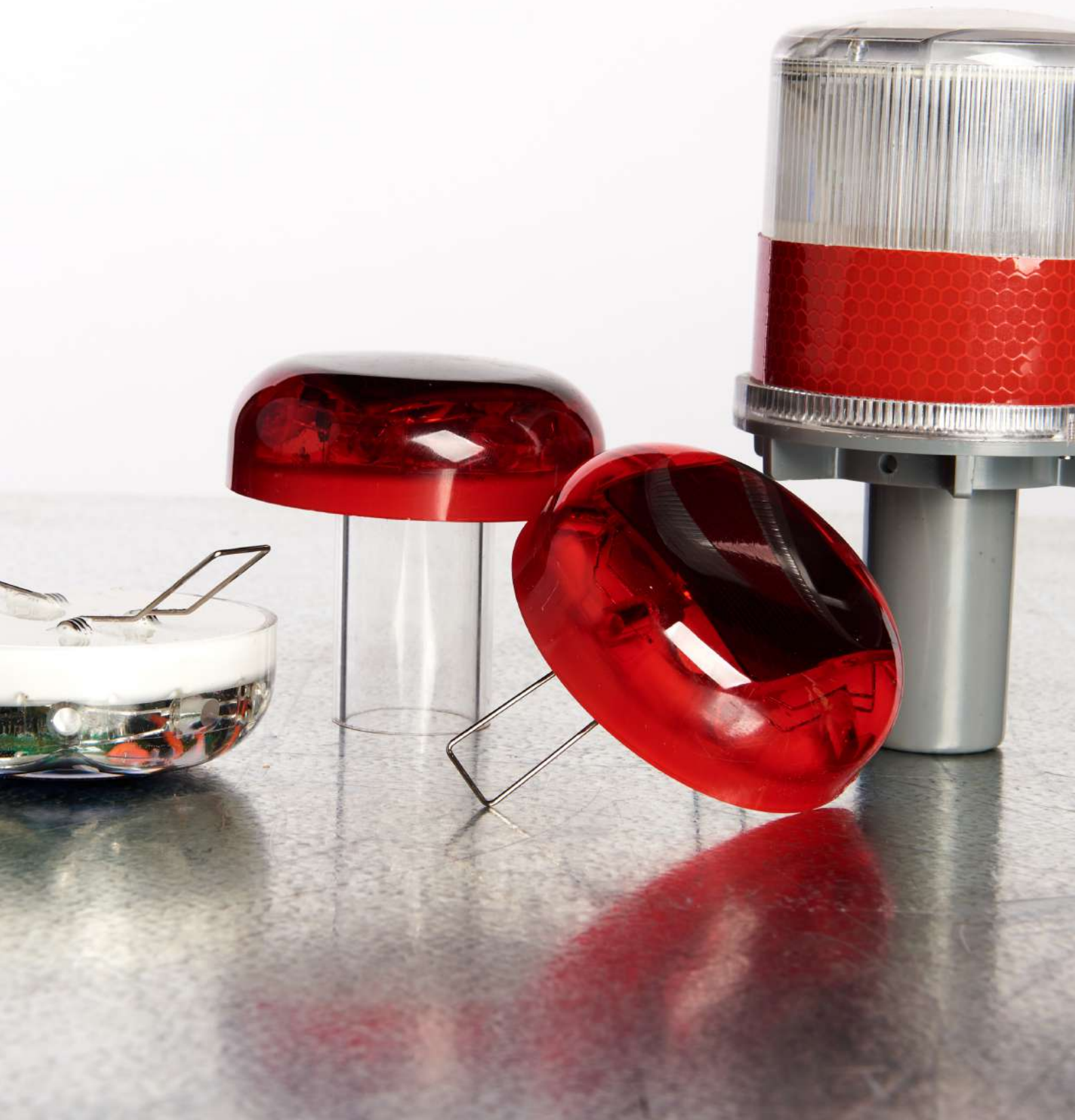
T51 STRING

RODS	T51-1.525M-SR	T51 1.5M M/F SPEED ROD
	T51-3.66M-SR	T51 SPEED ROD 3.66M
	T51-3.7M-EXT	T51 3.7M M/M EXT ROD
	T51-4.3M-SR	T51 SPEED ROD 4.3M
	T51-6.1M-EXT	T51 6.1M M/M EXT ROD
	T51-6.1M-SR	T51 6.1M M/F SPEED ROD
	T51-EXT ROD-900	T51 EXT ROD 900MM M/M
GUIDE TUBE	T51-3.66M-GT	T51 GUIDE TUBE 3.66M DIA 76MM
	T51-3.7M-GT-FF	T51 GUIDE TUBE 3.7M F/F
COUPLING	T51-COUPLING-FF	T51 COUPLING F/F 235MM
	T51-COUPLING-FF-HD	T51 COUPLING F/F 235MM HEAVY DUTY 77MM OD
BIT ADAPTOR	T51-BIT ADAPTOR	T51 BIT ADAPTOR M/M 250MM
FISHING TOOLS	T51-FISHING SPIKE	T51 FISHING SPIKE
	T51-FISHING SLEEVE	T51 FISHING SLEEVE

EL60 STRING

RODS	EL60-3.66M-SR	EL60 SPEED ROD 3.66M M/F
	EL60-4.3M-SR	EL60 4.3M M/F SPEED ROD
GUIDE TUBE	EL60-4.3M-GT-FF	EL60 GUIDE TUBE 4.3M DIA 87MM F/F
	EL60-4.3M-GT-MF	EL60 GUIDE TUBE 4.3M DIA 87MM M/F
BIT ADAPTOR	EL60-BIT ADAPTOR	EL60 BIT ADAPTOR M/M 320MM

DRILL & BLAST ACCESSORIES



DRILL & BLAST ACCESSORIES

LIFTING BAILS		
CUBEX	AMSLB24CAL-C	LIFTING BAIL #24 CUBEXT 2.3T WLL
DIBH	AMSLB318DAL-C	LIFTING BAIL 3 1/8 DIBH 2.3T WLL
API	AMSLB312AAL-C	LIFTING BAIL 3-1/2 API REG 2.3T WLL
	AMSLB412AAL-C	LIFTING BAIL 4-1/2 API REG 2.3T WLL
	AMSLB512AAL-C	LIFTING BAIL 5-1/2 API REG 3.2T WLL
	AMSLB658AAL-C	LIFTING BAIL 6-5/8 API REG 2.3T WLL
BECO	AMSLB312BAL-C	LIFTING BAIL 3-1/2 BECO 2.3T WLL
	AMSLB412BAL-C	LIFTING BAIL 4-1/2 BECO 3.2T WLL
	AMSLB514BAL-C	LIFTING BAIL 5-1/4 BECO 3.2T WLL
	AMSLB6BAL-C	LIFTING BAIL 6 BECO 4.5T WLL



DRILL & BLAST ACCESSORIES

BIT LIFTERS		
ROTARY	DRILLBITLIFTER	C/W - 4-1/2IN API REG BOX
	DRILLBITLIFTER658	C/W – 6 5/8 API REG BOX
DTH	DTHL-DHD340-50	DHD340 DTH BIT LIFTER - 50KG WLL
	DTHL-QL5-75	QL5 DTH BIT LIFTER - 75KG WLL
	DTHL-QL6-75	QL6 DTH BIT LIFTER - 75KG WLL
	DTHL-QL8-75	QL8 DTH BIT LIFTER - 75KG WLL
	DTHL-SP1080-120	SP1080 DTH BIT LIFTER - 120KG WLL
	DTHL-SP883-100	SP883 DTH BIT LIFTER - 100KG WLL



DRILL & BLAST ACCESSORIES

ROTARY BIT BASKETS		
203MM	AMSBITBASKET203-R-PV271	BIT BASKET 203MM ROTARY PV271
	AMSBITBASKET203-R-S5P235	BIT BASKET 203MM ROTARY DUAL S/F
	AMSBITBASKET203-R-DML-5	BIT BASKET 203MM ROTARY DML
	AMSBITBASKET203-R-PV235	BIT BASKET 203MM ROTARY PV235
229MM	AMSBITBASKET229-R-DML5A	BIT BASKET 229MM ROTARY DML 5A
	AMSBITBASKET229-R-P6-C	BIT BASKET 229MM ROTARY PV271 P6 W/CH
	AMSBITBASKET229-R-P6S55	BIT BASKET 229MM ROTARY PV271 S55
	AMSBITBASKET229-R-P7-C	BIT BASKET 229MM ROTARY PV271 P7 W/CH
	AMSBITBASKET229-R-PV235	BIT BASKET 229MM ROTARY PV235
	AMSBITBASKET229-R-PV271	BIT BASKET 229MM ROTARY PV271
251MM	AMSBITBASKET251-R-P7-C	BIT BASKET 251MM ROTARY PV271 P7 W/CH
	AMSBITBASKET251-R-PV235	BIT BASKET 251MM ROTARY PV235
	AMSBITBASKET251-R-PV271	BIT BASKET 251MM ROTARY PV271
	AMSBITBASKET251-R-SKF	BIT BASKET 251MM SKF 127MM SPANNER
270MM	AMSBITBASKET270-R-P7-C	BIT BASKET 270MM ROTARY PV271 P7 W/CH
	AMSBITBASKET270-R-PV271	BIT BASKET 270MM ROTARY PV271



DRILL & BLAST ACCESSORIES

HAMMER BIT BASKETS		
140MM	AMSBITBASKET140-H-SKF	BIT BASKET 140MM HAMMER - SKF
165MM	AMSBITBASKET165-H-SKF	BIT BASKET 165MM HAMMER - SKF
203MM	AMSBITBASKET203-H-DML-5	BIT BASKET 203MM HAMMER DML
	AMSBITBASKET203-H-SKF	BIT BASKET 203MM HAMMER - SKF
229MM	AMSBITBASKET229-H-DML-5	BIT BASKET 229MM HAMMER DML
	AMSBITBASKET229-H-PV271	BIT BASKET 229MM HAMMER PV271
	AMSBITBASKET229-H-SKF	BIT BASKET 229MM HAMMER - SKF
	AMSBITBASKET229-H-P235	BIT BASKET 229MM HAMMER PV235 S5



DECK BUSH LIFTERS & RETRIEVERS		
LIFTERS	DBL-10-DM5-C	DECK BUSH LIFTER 10OD DML 127MM A/F CERTIFIED
	DBL-10-P7-C	DECK BUSH LIFTER 10OD PV271 172MM A/F
	DBL-13-P6-C	DECK BUSH LIFTER 13IN OD PV271
	DBL-13-P7-C	DECK BUSH LIFTER 13IN OD PV271 172MM A/F
RETRIEVERS	DBR-7-10-C	DECKBUSH RETRIEVER 7IN 95KG WLL CER
	DBR-758-10-C	DECKBUSH RETRIEVER 7-5/8 IN 95KG WLL CER

DRILL & BLAST ACCESSORIES

SOLAR LIGHTS		
TALL LIGHTS	AMS-SDL-B	SOLAR DELINEATION LIGHT - BLUE
	AMS-SDL-G	SOLAR DELINEATION LIGHT - GREEN
	AMS-SDL-R	SOLAR DELINEATION LIGHT - RED
	AMS-SDL-WH	SOLAR DELINEATION LIGHT - WHITE
	AMS-SDL-Y	SOLAR DELINEATION LIGHT - YELLOW
SPRING	AMS-SY-42-B	BLUE SOLAR FLASHING LIGHT
	AMS-SY-42-R	RED SOLAR FLASHING LIGHT
	AMS-SY-42-W	WHITE SOLAR FLASHING LIGHT
	AMS-SY-42-Y	YELLOW SOLAR FLASHING LIGHT
	AMS-SY-42-G	GREEN SOLAR FLASHING LIGHT
STEM	AMS-SY-42-R-S	RED SOLAR FLASHING LIGHT - STEM
	AMS-SY-42-W-S	WHITE SOLAR FLASHING LIGHT - STEM



DRILL & BLAST ACCESSORIES

DRILL & BLAST ACCESSORIES		
PIN FLAGS	AMSPMP500	PIN MARKER PINK (PACK500)
	AMSPMW500	PIN MARKER WHITE (PACK500)
TAPE & ROPE	AMS-MSRROPE-50M	YAMAYO MILLION MSR 50M ROPE
	AMSREFLECTAPE100RY	REFLECTIVE TAPE RED/YELLOW 100M
	AMSREFLECTAPE500	REFLECTIVE TAPE YELLOW/ORANGE 500M
	AMSREFLECTAPE500G	REFLECTIVE TAPE GREEN YELLOW 500M
	AMSREFLECTAPE500RY	REFLECTIVE TAPE RED/YELLOW 500M
	TAPE-DG100M	MEASURE TAPE 100MTR DEPTH GAUGE
	TAPE-DG30M	MEASURE TAPE 30MTR DEPTH GAUGE
	TAPE-DG50M	MEASURE TAPE 50MTR DEPTH GAUGE
	TAPE-SYM30M	SYMRON DIPPING TAPE 30M
	TAPE-SYM100M	SYMRON DIPPING TAPE 100M
DIP WEIGHTS	WEIGHT-350-G	DIPPING WEIGHT 350G LONG GREEN
	WEIGHT-400-O	DIPPING WEIGHT 400G LONG ORANGE



GREASE, OILS & LUBRICANTS

GREASE, OILS & LUBRICANTS		
GREASE	AMSZN50GREASE20KG	ZN50 GREASE DRTG 20KG
	AMSZN50GREASE25KG	ZN50 GREASE DRTG 25KG
	AMSZN50GREASE205KG	ZN50 GREASE DRTG 205KG DRUM
	AMSZN50GREASECART	ZN50 GREASE CARTRIDGE
	GREASE B.O BLUE 2.5KG	GREASE BREAKOUT BLUE 2.5KG
	GREASE BO BLUE 20KG	GREASE AMS BREAKOUT BLUE 20KG
	GREASE BRONZE BO 20KG	GREASE BRONZE BREAKOUT 20KG
	GREASE-AMS20KG	GREASE AMS PREM LUBE 20KG
OIL	AMS1800621000-CR	AMS HAMMER OIL 320 MOLY CR 1000L
LUBRICANT	AMSSK-10097WA	MAX FOAM 25 LT DRUM
	AMS1800100020	AMS BIO DEGREASER 20L
	AMS18001000	AMS BIO DEGREASER 1000L



A vertical bar chart with a grey bar and an orange bar. The grey bar is on the left and the orange bar is on the right. The orange bar is slightly taller than the grey bar.

[illegible]

[illegible]

NOTES

[illegible]

[illegible]