

Standall[®]

traditional quality | future assurance

PERCUSSIVE ROCK DRILLING &
EXCAVATOR MOUNTED BREAKER STEEL

www.standall.com

Welcome to **Standall**...

Over 70 years of History



In 1938 the brothers Joe and George Hall set up a small forging operation under the name of Standall, on the site of an old mine at Mickley Lane near Sheffield, supplying drill bits and small forging machines for both home and export markets.

The Second World War brought significant changes to Standall as, due to MOD requirements, it diversified its manufacturing operation to include a new product; forged Anchor Spikes. These were used for securing towlines to extract bogged down tanks and fighting vehicles, more especially in the western desert. These products are still being supplied today.

During the 1950s Standall developed a range of contractors' tools, which were sold both nationally and internationally. A reputation for quality of product and service was born. The small forgings machine operation was subsequently phased out to concentrate on this new product range.

In 1987 the construction tools and soft rock mining business of Edgar Allen Mining Products was acquired and integrated into Standall's existing forging operations. That acquisition added a sizable machine shop facility enabling Standall to enter the rapidly expanding market of power tool accessories for hand-held electrically powered hammers.

The closure of the majority of the British underground mining activity signalled a dramatic reduction in the soft rock products, but this coincided with a substantial increase in international sales of pneumatic tools, together with increased sales of a wider range of electric and hydraulic excavator-mounted demolition tools. Once again, the company showed the ability to adapt dynamically to the changing circumstances of the market place.

Throughout its 70 year history Standall has only changed ownership twice; once in 1978 when the Hall brothers retired, and again in 2000 when the current owners took up the challenge of maintaining Standall's 'family business' reputation of traditional quality whilst earning a new reputation for flexibility and innovation enabling Standall to compete in a progressive world.

Partly because of this family business atmosphere, the company has benefited from many long service employees. It is their loyalty and wealth of experience that has significantly contributed to the success of the company and has underpinned the quality and flexibility of its operations.

During September 1992, Standall achieved the quality standard accreditations to BS 5750 and ISO 9002. Over the years we have updated our systems as the international standards have changed and we are currently accredited to BS EN ISO 9001:2000.

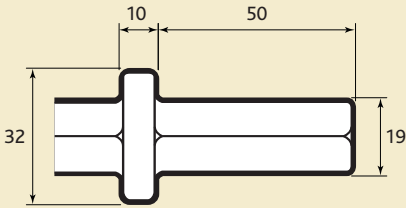
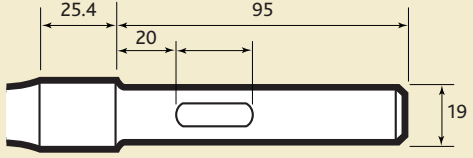
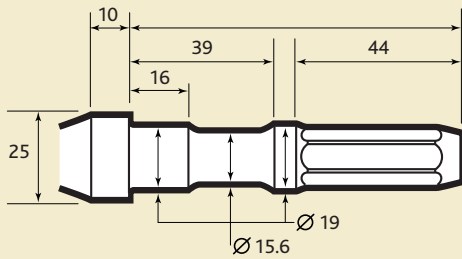
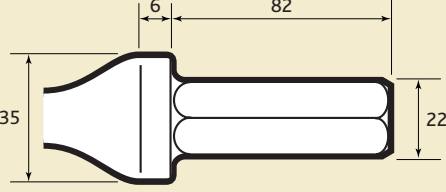
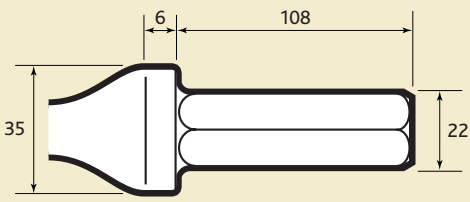
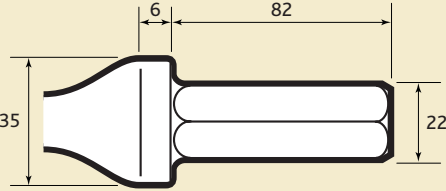
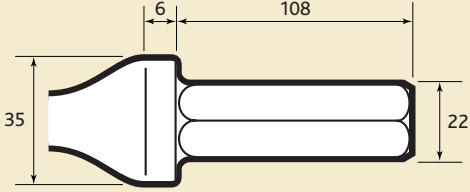


The company maintains vigilance towards market developments and preferences. Whilst aware of Health and Safety issues in the construction industry Standall undertook in 2002 an innovative project by developing a patented SVR™ (Standall Vibration Reduction) system that helps to reduce Hand Arm Vibration (HAV) to the user. This system was subsequently added to the product range.

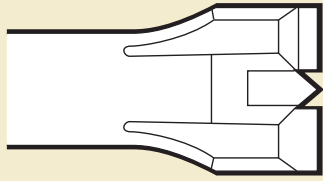
Standall is currently overcoming new challenges with increased investment in production equipment, technology and implementation of modern techniques that further improve customer service. New materials and products are being sourced and introduced, as the company continues in its endeavours to supply a higher quality product, delivered on time and at a price that gives exceptional value for money.



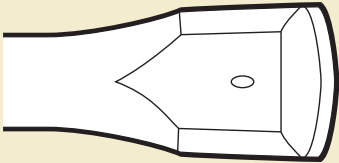
contents

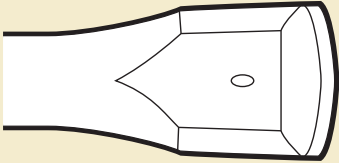
Detail / Shank type	Shank Sketch	Page
19x50 Integral Drill Stem with central flushing Hole		3
CP 9 Slotted Shank Integral Drill Stem with central flushing hole		3
CP 9 F Hexagon Drive Integral Drill Stem with central flushing hole		3
22x108 Hexagon Drive Integral Drill Stems ISO Series 11,12,13,16,17		4
22x108 Hexagon Drive Integral Drill Stem with central flushing hole		5
22x82 Hexagon Drive Integral Drill Stem with central flushing		5
22x82 hexagon drive 7 & 12 Degree Drill Rods & Bits with central flsushing hole		6
Excavator mounted breaker steels		7 & 8
Notes		9

Integral Drill Rods 19x50 Hexagon Shank

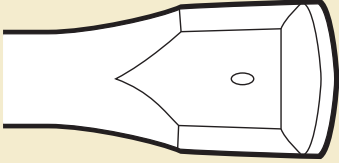
	Bit Head Type	Bit Diameter	Length mm	Standall Part Number
	Crosshead	19	330 o/a	025172
	Crosshead	22	330 o/a	025173*
	Crosshead	25	330 o/a	025174
	Crosshead	28	330 o/a	025175*
	Crosshead	32	330 o/a	025176*

CP 9 Slotted Shank Type Plug Drills

	Bit Head Type	Bit Diameter	Length mm	Standall Part Number
	Single Chisel	13	330 o/a	005100
	Single Chisel	16	330 o/a	005101
	Single Chisel	19	330 o/a	005102
	Single Chisel	22	330 o/a	005103
	Single Chisel	25	330 o/a	005104
	Single Chisel	28	330 o/a	005105*
	Single Chisel	32	330 o/a	005106*
	Single Chisel	35	330 o/a	005107*

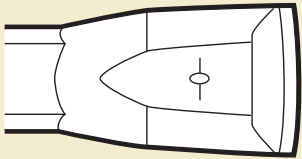
	Single Chisel	19	430 o/a	005122
	Single Chisel	22	430 o/a	005123
	Single Chisel	25	430 o/a	005124
	Single Chisel	28	430 o/a	005125*
	Single Chisel	32	430 o/a	005126*
	Single Chisel	35	430 o/a	005127*

CP 9F Hexagon Drive Shank Type Plug Drills

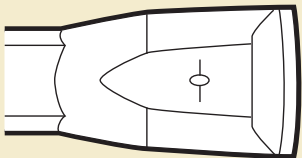
	Bit Head Type	Bit Diameter	Length mm	Standall Part Number
	Single Chisel	13	330 o/a	005140
	Single Chisel	16	330 o/a	005141
	Single Chisel	19	330 o/a	005142
	Single Chisel	22	330 o/a	005143
	Single Chisel	25	330 o/a	005144
	Single Chisel	28	330 o/a	005145*
	Single Chisel	32	330 o/a	005146*
	Single Chisel	35	330 o/a	005147*

	Single Chisel	19	430 o/a	005152
	Single Chisel	22	430 o/a	005153
	Single Chisel	25	430 o/a	005154

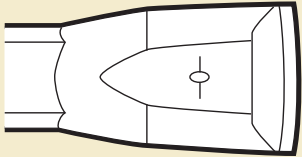
Integral Drill Rods 22x108 Shank ISO series 11

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part Number
	Single Chisel	34	800	006230
	Single Chisel	33	1600	006231
	Single Chisel	32	2400	006232
	Single Chisel	31	3200	006233
	Single Chisel	30	4000	006234
	Single Chisel	29	4800	006235
	Single Chisel	28	5600	006290

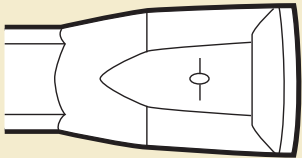
Integral Drill Rods 22x108 Shank ISO Series 12

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part Number
	Single Chisel	40	800	006240
	Single Chisel	39	1600	006241
	Single Chisel	38	2400	006242
	Single Chisel	37	3200	006243
	Single Chisel	36	4000	006244
	Single Chisel	35	4800	006245*
	Single Chisel	34	5600	006291*

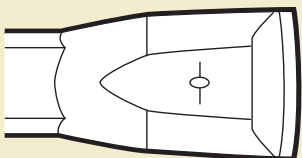
Integral Drill Rods 22x108 Shank ISO Series 13

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part Number
	Single Chisel	34	400	006250
	Single Chisel	33	800	006251*
	Single Chisel	32	1200	006252*
	Single Chisel	31	1600	006236*

Integral Drill Rods 22x108 Shank ISO Series 16

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part Number
	Single Chisel	35	600	006260*
	Single Chisel	34	1200	006261*
	Single Chisel	33	1800	006293*
	Single Chisel	32	2400	006263

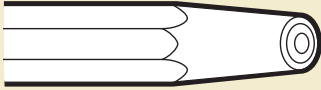
Integral Drill Rods 22x108 Shank ISO Series 17

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part Number
	Single Chisel	41	600	006573*
	Single Chisel	40	1200	006239*
	Single Chisel	39	1800	006276*
	Single Chisel	38	2400	006242

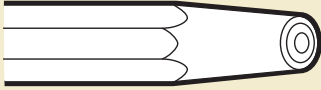
Integral Drill Rods 22x108 & 22x82 Hexagon Shanks

	Bit Head Type	Bit Diameter	Length u/c mm	Standall Part No. 22 x 108 Shank	Standall Part No. 22 x 82 Shank
	Single Chisel	19	225	006526*	006710*
	Single Chisel	19	300	006527*	006762*
	Single Chisel	19	450	006264	006712
	Single Chisel	19	610	006265	006209
	Single Chisel	19	760	006278	006713
	Single Chisel	22	225	006546*	006214*
	Single Chisel	22	300	006547*	006210*
	Single Chisel	22	450	006257	006267
	Single Chisel	22	610	006247	006212
	Single Chisel	22	760	006549	006215
	Single Chisel	25	225	006556*	006740*
	Single Chisel	25	300	006557*	006741*
	Single Chisel	25	450	006258	006268
	Single Chisel	25	610	006248	006219
	Single Chisel	25	760	006559	006744
	Single Chisel	28	300	006561*	006751*
	Single Chisel	28	450	006259	006269
	Single Chisel	28	610	006249	006213
	Single Chisel	28	760	006568	006754
	Single Chisel	32	300	006576*	006761*
	Single Chisel	32	450	006577	006763
	Single Chisel	32	610	006578	006764
	Single Chisel	32	760	006579	006765
	Single Chisel	35	300	006586*	006771*
	Single Chisel	35	450	006277*	006266
	Single Chisel	35	610	006260	006222
	Single Chisel	35	760	006589	006774
	Single Chisel	38	300	006596*	006781*
	Single Chisel	38	450	006597*	006782
	Single Chisel	38	610	006598	006783
	Single Chisel	38	760	006599	006784

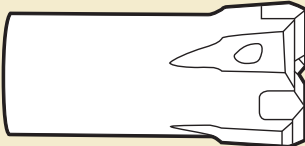
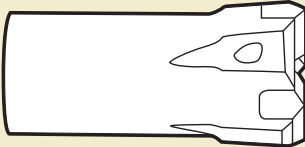
22x108 Taper Rods 7 Degree

	Length u/c mm	Standall Part Number		
	600	006310*		
	915	006311*		
	1220	006312*		
	1830	006313*		
	2435	006315*		

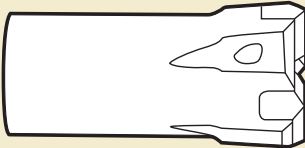
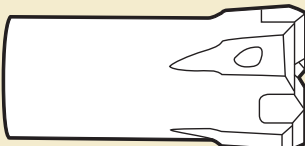
22x108 Taper Rods 12 Degree

	Length u/c mm	Standall Part Number		
	600	006360*		
	915	006361*		
	1220	006362*		
	1830	006363*		
	2435	006364*		

7 Degree Cross Head & Single Chisel Taper Bits

	Bit dia mm 7 Degree Bits	Description	Standall Part Number	
	32	Cross Head	066340*	
	35	Cross Head	066341*	
	38	Cross Head	066342*	
	41	Cross Head	066343*	
	45	Cross Head	066344*	
	32	Single Chisel	066740*	
	35	Single Chisel	066741*	
	38	Single Chisel	066742*	
	41	Single Chisel	066743*	

12 Degree Cross Head & Single Chisel Taper Bits

	Bit dia mm 12 Degree Bits	Description	Standall Part Number	
	32	Cross Head	066360*	
	35	Cross Head	066361*	
	38	Cross Head	066362*	
	41	Cross Head	066363*	
	45	Cross Head	066364*	
	51	Cross Head	066365*	
	57	Cross Head	066366*	
	64	Cross Head	066367*	
	32	Single Chisel	066840*	
	35	Single Chisel	066841*	
	38	Single Chisel	066842*	
	41	Single Chisel	066843*	

Standall[®] Excavator Mounted

Standall breaker steels are manufactured from high grade Alloy Steels, machined and heat treated in a state-of-the art production facility and techniques ensuring that each breaker steel has the consistent impact strength, hardness and ductility needed to meet the most arduous if working conditions experienced in the construction and allied industries.

In line with all our products Hydraulic Impact Breaker Steels are produced under strict quality control management systems audited under British Standards BS EN ISO 9002

The following information is provided to assist users of our products to achieve maximum working life.

Working life.

No exact working life can be defined for any tool as this largely depends on the application and operator's skill.

Failure

All breaker steels will eventually need to be replaced. They will either wear out or break.

Fatigue

Fatigue failures can occur inside or outside the tool bushing and can be avoided by employing proper maintenance.

Regular lubrication and early replacement of worn or damaged retaining pins and guide bushes are some of the areas that require particular attention.

Demolition Steels

Point and Chisels are available for the following range of Excavator Mounted Breakers

Atlas Copco SB/HBC Range

Atlas Copco PB (CP) Range (AT, BERCO, SMC)

Atlas CopcoMB Range

Atlas Copco HB Range

Bobcat (IR) Range

Bobcat (IR) (NEW RANGE) Range

Case CB Range

Caterpillar H & B Ranges

D & A DAB Range & D-150

Dainong DNB D Ranges

Farukawa F, HB Ranges

Hanwoo (magnum) RHB Range

Idromeccanica IMI Range

Indeco HB & MES Range

JCB HM Range

Konatsu JTH (TNB) Range

Krupp (Atlas Copco MB & HB Range)

Kubota KXB & KM Range

Montabert BRH Z BRP BRV V SC Ranges

MSB MS & Saga Range

NPK H E GH Range

Okada OKB Range

Rammer S E M G Ranges

Roatair (Pel JOB) OL Range

Socomec DMS MDO Range

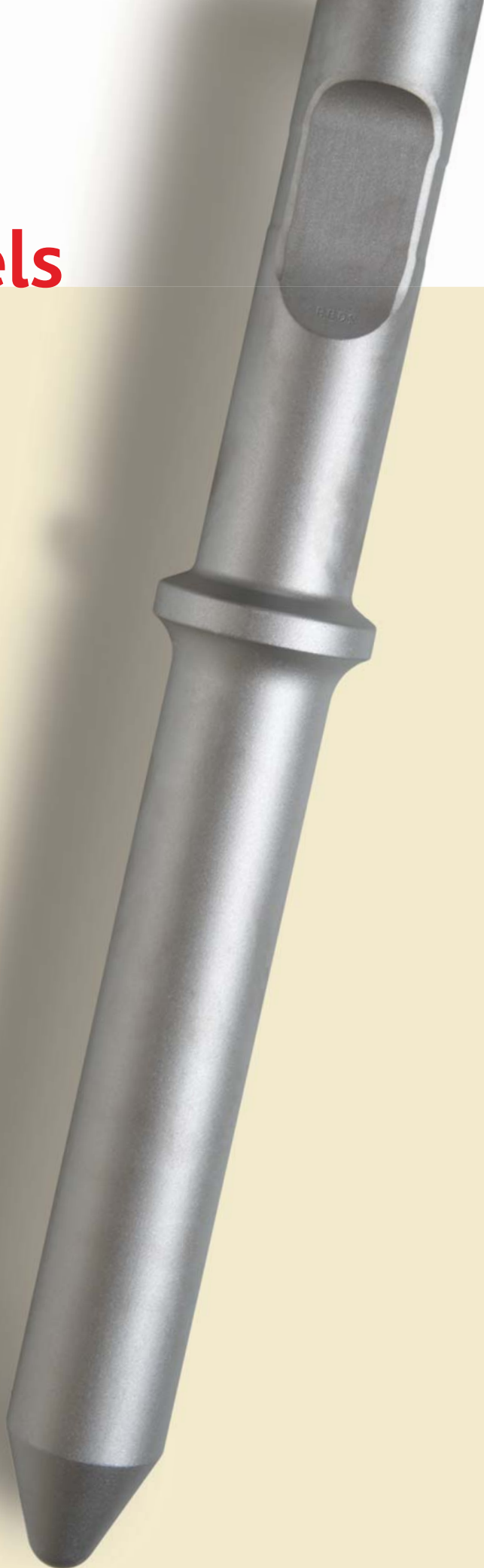
Soosan SB Range

Stanley MB EX Range

TABE AGB Range

Takeuchi / CXI / JRB. TKHB JKHB

Tecna HF Range



information

1 PRODUCT GUARANTEE

All our products are fully guaranteed against defects in the steel and manufacture. In the event of premature failure we undertake to provide replacements or appropriate credit, subject to the following conditions:

- (a) We, the manufacturers, are notified within 3 days of discovery of failure. Breakages which have been accumulated over an extended period of time and which have not been reported will not be considered.
- (b) The broken parts must be returned to the company or made available for inspection at the company's discretion.
- (c) The products have not been subjected to unreasonable use or to abuse. The original heat treatment has not been interfered with.
- (d) The company will in no circumstances be liable for incidental or consequential damages for loss of use, revenue or profit.

2. IDENTIFICATION OF MANUFACTURER

Problems frequently occur in identifying broken tools returned by an end user. All our tools are identified:

- 333 – for product made from steel DIN 1.1620
- 303 – for product made from steel DIN 1.2249
- 311 – for product made from another specification

The product is also marked with a date code signifying year and month of manufacture:

Our Warehouse staff are instructed to search for the above identification marks before accepting a broken tool for replacement. We do not accept someone else's problem!

3 USER GUIDE

Percussive tools are subjected to severe stresses during service. Our products are made to the highest standards of quality control for long service on tough applications: and consequently very few breakages of tools occur due to a defect in the steel or manufacture

A tool with a defect is likely to fail immediately due to the severe stresses. A tool which breaks after prolonged service, as evidenced by a well worn shank and tip, is not likely to have been defective but will have failed due to material fatigue after excessive heavy use.

3.1 MISUSE

As much as 90% of all breakage claims arise from incorrect use of the tool or operator misuse. Standall assumes no liability for misuse. Shown here are some of the most frequently encountered examples of incorrect use.

(a) Mushrooming

Insufficient contact or pressure between the tool and the work surface results in 'mushrooming' as the steel is allowed to "ride" on the work surface and becomes red hot and melts – hence the 'mushrooming' effect.

Also, the underside of the collar of the steel may come into contact with the retainer of the breaker steel – this causes damage. The steel will either break below the collar or can become detached. This could cause serious injury.

(b) Leverage

The tool must not be used as a lever to break away material. It should only be used to clear material from the broken surface. Breakage below the collar or of the body of the steel may result.

(c) File Marks

Some end users try and identify 'their' breaker steels by fixing or cutting an identification mark on the steel collar, shank or on the body of the tool. This is a dangerous practice as it disrupts the protective hardened shell of the tool and is likely to lead to a fatigue breakage.

(d) Frost damage

Steels left on open ground during periods of frost may suffer damage by becoming brittle and then fracture. It is important that steels are stored in a protected dry place during very cold periods, particularly at night. Exposure to frost causes minute shrinkage of the steel that creates which can be eliminated by bringing the steel gradually up to room temperature.

3.2 PERSONAL PROTECTION

(a) Eye protection

When using percussive steels it is essential that correct safety glasses or goggles are used at all times.

(b) Ear protection

It is essential that correct ear protection is used at all times which can be either ear plugs or mufflers dependant on the decibel level.

(c) Protective clothing

Safety boots and suitable clothing should be worn at all times.

(d) Re-forged steels

If steels have been re-forged to extend their working life, it is essential that the correct heat treatment processes have been implemented. Failure to do so will lead to accelerated wear or premature failure that may result in personal injury.

Remember:

There is a serious risk to health safety to use percussive tools in blunt and worn condition. It is the users responsibility to ensure tools are kept in a safe and workable condition.

Terms & Conditions

Terms & Conditions are available on request or download as a PDF from our website at www.standall.com

Standall percussive steels are only intended and suitable for use in machines equipped with matching tool bushes

Other brochures available from Standall Tools Ltd



ELECTRIC HAMMER
DRILLING ACCESSORIES



ELECTRIC HAMMER
PERCUSSIVE STEELS



PNEUMATIC TOOLS
ACCESSORIES

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