

DOOSAN

Pneumatic Breakers and Hammers | Product Range



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DOOSAN Portable Power, over 100 years of innovation

Doosan Portable Power has more than 100 years of manufacturing and application experience focused on providing the highest quality machines with unrivaled customer service. The product line includes mobile generators, compressors, lighting systems , light compaction equipment and construction tools.

In 2007, Doosan Infracore acquired the Ingersoll Rand Utility Equipment business, Bobcat and Attachments. From that acquisition, Doosan Infracore Portable Power came into existence. Doosan Portable Power has more than 100 years of manufacturing expertise and application experience focused on providing the highest quality products with unrivaled customer service.

1902	Built the 1 st portable by mounting a water-cooled stationary compressor on wheels.
1927	Introduced 1 st type 30 two-stage tow-behind compressor for portable use powering construction tools & paint guns
1950	Revolutionized portable compressor business by introducing the Gyro-Flo. 1st successful application of rotary compressors for portable use.
1968	Introduced the rotary screw portfolio.
1977	Introduced the 1 st whispered portable compressor.
1987	Launched a line of mobile generators.
1999	Lightsource light towers entered the market.
2007	Acquired by Doosan Infracore to become Doosan Infracore Portable Power, moved HQ to Statesville, NC.



Rock-solid construction tools

Our construction tools are considered to be amongst the best performing in the industry , this we achieve through constant improvements and implementation of new ideas or technologies.

Backed by a comprehensive 1 year warranty and the expertise of our dealers you can rest assured of our support when it comes to technical queries and training.



Our rock drills , chipping hammers and pick hammers have been designed with serviceability and low parts replacement cost in mind.

This has been achieved by limiting the amount of moving and wear parts in our tools which in turn greatly increases reliability and uptime.

Pavement Breakers

Doosan Paving Breakers have been designed with performance and reliability in mind, careful balancing of strike force vs breaker weight ensure your productivity will reach new heights.

Operator comfort and safety is achieved with our efficient muffler design together with highly effective vibration damping handles on BV breakers. Lower noise and less vibration allows increased productivity whilst reducing operator exposure risks.

Excellent power to weight ratio further reduces operator fatigue and maximises breaker output on the job.

Modern robust design with few moving parts improves reliability and minimizes downtime due to maintenance.

Built in air cushion reduces vibration and protects the cylinder and piston from damage should the breaker be operated without chisel or unloaded.

Vibration reduced spring mechanism:

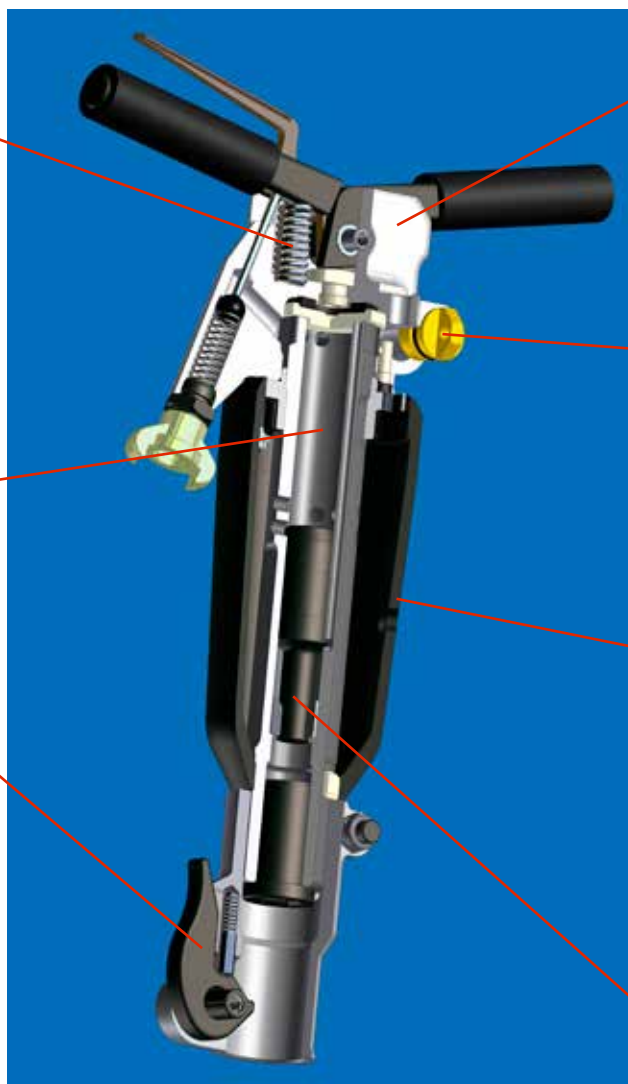
Greatly reduces hand-arm vibration and increases the allowable operator exposure time.

Distribution ring:

Extremely reliable feature which distributes incoming air to the piston.

Hardened steel latch:

Easily replaceable.



Steel forged head assy

Built-in lubricator:

Will protect your tool from dry run damage.

Polyurethane muffler:

Reduce noise levels and protects the tool.

Hardened piston:

Can be ground down 0.3 mm before replacement is required.

Pavement Breakers



DCT15 BS/BV

For lightweight concrete & asphalt demolition, bridge resurfacing and other tasks.



DCT20 BS/BV

For medium demolition jobs, it's weight vs striking power ratio makes this a versatile and easy to handle tool.



DCT25 BS/BV

For medium concrete and asphalt demolition.



DCT30 & 40 BS/BV

For heavy demolition jobs, thick slabs of concrete, asphalt and rock.

Pavement Breakers Specification

Description	Shank Size [mm]	Part Number	Weight [kg]	Length [mm]	Impact Rate [bpm]	Impact Frequency [Hz]	Vibration 3 Axis [m/s²]	Guaranteed Noise Level [db(A)]	Operating Air Pressure [bar]	Air Consumption [m³/min]	Air Supply Hose Diameter [mm]
Standard Tool											
DCT15BS	22H × 82	85040152	15	635	1200	18	9.1	103	4 to 7	0.9	16
	25H × 108	85040137									
DCT20BS	25H × 108	80028491	21	640	1260	20	11	105	4 to 7	1.4	20
	28H × 160	80028509									
DCT25BS	28H × 160	80028681	25	640	1320	24	11.5	106	4 to 7	1.4	20
	32H × 160	80028699									
DCT30BS	28H × 160	85040061	30	730	1200	20	11.9	110	4 to 7	1.8	20
	32H × 160	85040046									
DCT40BS	28H × 160	85040020	40	800	960	16	8.8	110	4 to 7	2	20
	32H × 160	85040004									
Vibration Reduced Tool											
DCT15BV	22H × 82	85040160	15	635	1200	18	2.8	103	4 to 7	0.9	16
	25H × 108	85040145									
DCT20BV	25H × 108	80028517	21	640	1260	20	2.5	105	4 to 7	1.4	20
	28H × 160	80028525									
DCT25BV	25H × 108	80028707	25	640	1320	24	3.4	106	4 to 7	1.4	20
	28H × 160	80028715									
	32H × 160	80028723									
DCT30BV	28H × 160	85040079	30	730	1200	20	3.5	110	4 to 7	1.8	20
	32H × 160	85040053									
DCT40BV	28H × 160	85040038	40	800	960	16	3.5	110	4 to 7	2	20
	32H × 160	85040012									

How to choose the correct breaker

Heavy breaker

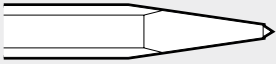
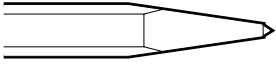
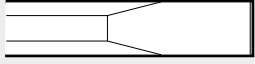
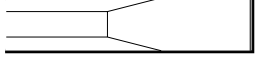
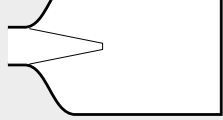
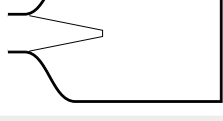





- Recommended choice for thick concrete slab demolition (>20 cm).
- Recommended choice for hard material demolition.

Light breaker

- Recommended choice for thin concrete layers or soft material.
- Recommended choice for sensitive works like bridge decks.

When cutting asphalt, a powerful breaker allows using a wider asphalt cutter chisel, providing more productivity.

Pavement Breaker Steels

Description	Product	Under Collar Length [mm]	22H × 82	25H × 108	28H × 160	32H × 160
Moil Point Used for all purpose general demolition		450	NA	NA	85040368	85040293
Moil Point Used for all purpose general demolition		380	85040459	85040434	NA	NA
Narrow Chisel Used for general demolition		450	NA	NA	85040376	85040301
Narrow Chisel Used for general demolition		380	85040467	85040442	NA	NA
Digging Spade 125 mm wide Digging and deeper asphalt cutting		355	NA	NA	85040392	85040327
Digging Spade 120 mm wide Digging and deeper asphalt cutting		380	NA	80028475	NA	NA
Digging Chisel 75 mm wide Great for manhole reconstruction		355	NA	NA	85040400	85040335
Digging Chisel 75 mm wide Great for manhole reconstruction		380	NA	80028483	NA	NA
Asphalt Cutter 115 mm wide Asphalt cutting and removal		280	NA	NA	85040384	85040319
Tamping Pad 180 mm diameter		NA	NA	NA	85040350	85010350
Stem for Tamping Pad		230	NA	NA	85040418	85040343



Rock Drills / Jackhammers

Our rock drills are designed for the drilling of low to high strength materials (e.g. concrete, granite, sandstone, masonry, bituminous asphalt etc). While still light enough for horizontal drilling this tool is really powerful when drilling holes up to 51 mm diameter and roughly 6 meters deep. It's bulletproof design and unparalleled performance ensure you retain your competitive edge at all times. These tools exist in standard as well as vibration reduced models.



Typical Applications

Construction

- Hole drilling in rock/concrete
- Rock stabilisation/bolting
- Sea defence construction

Utilities

- Leak detection/sniffing access

Mining & Quarrying

- Roof support/blast hole drilling
- Rock splitting

Railways

- Bolting applications/stabilisation

Industrial

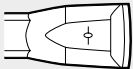
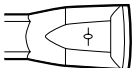
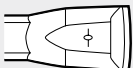
- Maintenance

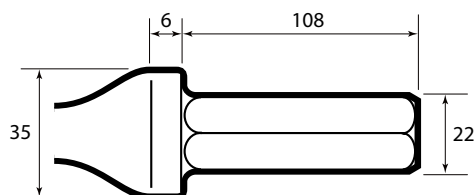


Description	Shank Size [mm]	Part Number	Weight [kg]	Length [mm]	Impact Rate [bpm]	Rotation [rpm]	Vibration 3 Axis [m/s ²]	Guaranteed Noise Level [db(A)]	Operating Air Pressure [bar]	Air Consumption [m ³ /min]	Air Supply Hose Diameter [mm]
Standard Tool											
DCT17JS	22H x 108	85043370	17	625	2040	170	15.8	117	4 to 7	2.8	20
DCT23JS	22H x 108	85043388	23	720	2100	130	19	120	4 to 7	4.8	25
Vibration Reduced Tool											
DCT17JV	22H x 108	85043396	17	625	2040	170	6.1	117	4 to 7	2.8	20
DCT23JV	22H x 108	85043404	23	720	2100	130	6.7	120	4 to 7	4.8	25

* Specifications at 6 bar pressure

Rock Drills / Jackhammers Steels

Description	Product	Coupling	Length [mm]	Diameter [mm]	Part Number
Integral Steel Series 11		22H × 108	800	34	85041515
		22H × 108	1600	33	85041523
		22H × 108	2400	32	85041531
		22H × 108	3200	31	
		22H × 108	4000	30	85041549
		22H × 108	4800	29	85041556
		22H × 108	5600	28	85041564
Integral Steel Series 12		22H × 108	800	40	85041572
		22H × 108	1600	39	85041580
		22H × 108	2400	38	85041598
Integral Steel Series 16		22H × 108	1200	34	85041614
		22H × 108	1800	33	85041622
		22H × 108	4000	36	85041606



Description	Product	Coupling	Length [mm]	Diameter [mm]	Part Number
Hex Shank Rod R25 Rope Thread		22H × 108	460		46550981
		22H × 108	610		46550982
		22H × 108	915		46550983
		22H × 108	1220		46550984
		22H × 108	1830		46550085
		22H × 108	2435		46550986
Tungsten Carbide Button Bit R25 Rope thread		R25		35	46550987
		R25		38	46550988
		R25		41	46550989
		R25		44	46550990
		R25		48	46550991
		R25		51	46550992
Extention Rod R25 Rope thread both ends		R25	800		46550993
R25 Rope Thread Coupling for use with shanks & extinction rods		R25			46550994

Hammer Drill

This hammer drill is an extremely versatile tool and can be used in a broad range of drilling jobs : walls, grounds, concrete, road construction, quarries, short blastholes, underground works, sewers, tunnels...

The tool weight vs impact frequency has been optimized to ensure ease of use while retaining efficiency.



Which steel to use

Hard materials

Carbide Bit for:

- Concrete
- Hard rocks: granite; marble blocks

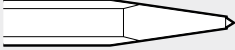
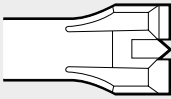
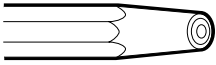

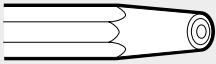



Soft or « sticky » materials

Integral Rod for:

- Soft rocks
- Asphalt
- Clay

Description	Shank Size [mm]	Part Number	Weight [kg]	Length [mm]	Impact Rate [bpm]	Rotation [rpm]	Vibration 3 Axis [m/s ²]	Impact Force [J]	Operating Air Pressure [bar]	Air Consumption [m ³ /min]	Air Supply Hose Diameter [mm]
DCT5JS	19H × 50	01338524	5	385	2800	300	9.3	16.4	4 to 6	0.48	16

Hammer Drill Steels

Description	Product	Coupling	Length [mm]	Diameter [mm]	Part Number
Moil Point		19H x 50	300		03765358
Integral Cross Head bit		19H x 50	250	19	92692516
Integral Cross Head bit		19H x 50	250	23	92692524
Integral Cross Head bit		19H x 50	250	25	92692532
Integral Cross Head bit		19H x 50	250	28	92692540
Jack Rods & Carbide bits Small Taper		19H x 50			
Jack Rod extention holder			120		03771615
Drill bit small taper (w/o) extention			95	10	03771623
Drill bit small taper (w/o) extention			105	12	03771631
Drill bit small taper (w/o) extention			115	15	03771649
Drill bit small taper (w/o) extention			200	15	03771656
Jack Rod extention small taper			100		03771664
Jack Rod extention small taper			200		03771672
Jack Rod extention small taper			300		03771680
Carbide bit small taper				13	03765245
Carbide bit small taper				16	03765252
Carbide bit small taper				20	03765260
Jack Rods & Carbide bits Medium Taper		19H x 50			
Jack Rod extention medium taper			205		03771706
Jack Rod extention medium taper			350		03765278
Jack Rod extention medium taper			650		03765286
Carbide bit medium taper				22	03765294
Carbide bit medium taper				26	03765302
Carbide bit medium taper				30	03765310
Jack Rods & Carbide bits Large Taper		19H x 50			
Jack Rod extention large taper			350		03765328
Jack Rod extention large taper			650		03765336
Carbide bit large taper				36	03765344
Carbide bit large taper				40	03765351
Carbide bit large taper				45	03765369
Carbide bit large taper				50	03765377
Carbide bit large taper				60	03761714

Chipping Hammers

Common application for these tools include facades, preparation of walls and floors, roughening, small demolition (cement, tiles, renderings, coatings), cleaning concrete castings, formworks, concrete mixers... They can be used in the stone industry for engraving but also in steel industry for deburring, cleaning furnaces and removing the remaining castings.

Advantages:
low recoil, quick tool changing, silenced according to the EU norm.

Description	Shank Size [mm]	Part Number	Weight [kg]	Length [mm]	Impact Rate [bpm]	Vibration 3 Axis [m/s ²]	Operating Air Pressure [bar]	Air Consumption [m ³ /min]	Air Supply Hose Diameter [mm]
DCT2PS	15R/12H × 55	93482990	2.6	254	2700	6.95	4 to 6	0.35	12.5
DCT3PS	19H × 50	01338060	3.8	310	4400	2.93	4 to 6	0.35	12.5
DCT5PS	19H × 50	01337674	5.1	410	2550	6.67	4 to 6	0.43	16



DCT2PS with kit



DCT3PS with kit

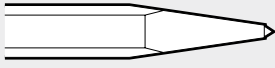
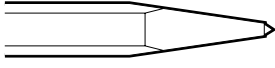
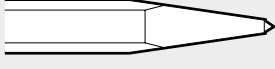
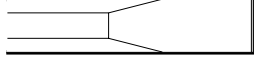
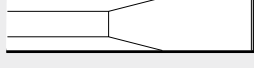
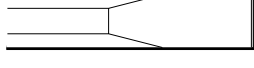

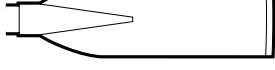

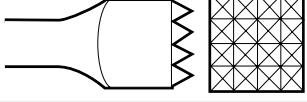


DCT5PS with kit

Description	Part Number	Includes 1 Hammer	Included Accessories
DCT2PS	93483006	DCT2PS: 93482990	Moil Point 93458875 Narrow Chisel flat 25 mm 93458883 Scaling Chisel 50 mm 93458891 Coupled Hose assy 85042539 Claw Coupling 3/8" male thread 85042554
DCT3PS	85041911	DCT3PS: 01338060	Moil Point 85041408 Narrow Chisel 85041424 Wide Chisel cranked 85041457 Tooth Chisel 03771599
DCT5PS	22113849	DCT5PS: 01337674	Moil Point 85041408 Narrow Chisel 85041424 Wide Chisel cranked 85041457 Tooth Chisel 03771599



Chipping Hammers Steels

Description	Product	Under Collar Length [mm]	DCT2PS 15R/12H × 55	DCT3 - 5PS 19H × 50
Moil Point Used for all purpose general demolition		200	93458875	NA
Moil Point Used for all purpose general demolition		250	NA	85041408
Moil Point Used for all purpose general demolition		440	NA	85041416
Narrow Chisel flat 25 mm Used for general demolition		165	93458883	NA
Narrow Chisel Used for general demolition		250	NA	85041424
Narrow Chisel Used for general demolition		440	NA	85041432
Scaling Chisel 50 mm wide Digging and deeper asphalt cutting		210	93458891	NA
Wide Chisel 50 mm Digging and deeper asphalt cutting		250	NA	85041440
Wide Chisel Cranked 50 mm Great for manhole reconstruction		250	NA	85041457
Tooth Chisel Great for manhole reconstruction		250	NA	03771599
Claw Coupling 3/8" male thread Asphalt cutting and removal		NA	85042554	NA
Claw Coupling 1/2" female thread		NA	NA	85042547
Coupled Hose Assembly		NA	85042539	NA

Pick Hammers

Pick Hammers Steels

Pick hammers are used in the construction for masonry and demolition works in concrete. In public works, they are mainly used for asphalt work, for taking up the paving and in compact grounds. They can be used in horizontal as well as vertical applications. Standard as well as vibration reduced models are available and all are fitted with internal lubricators.



DCT9-10

Work linked to building and public work, not to industry.

Masonry work:

- opening of windows, walls
- holes for tubes, cables...

Small demolition:

- walls, breeze blocks
- covering, until 6 cm depth
- horizontal (walls) and vertical (floors) use

Levelling of trenches with wide chisel after the hydraulic shovels when some irregularities still exist.



DCT12

Work linked to building and public work, not to industry.

Masonry work:

- opening of windows, walls
- holes for tubes, cables...

All demolition work :

- concrete pillars
- covering until 10 cm depth (ideal) and by 10 to 15 cm depth

Levelling of trenches with wide chisel after the hydraulic shovels when some irregularities still exist.



Description	Shank Size [mm]	Part Number	Weight [kg]	Length [mm]	Impact Rate [bpm]	Impact Frequency [Hz]	Vibration 3 Axis [m/s ²]	Guaranteed Noise Level [db(A)]	Operating Air Pressure [bar]	Air Consumption [m³/min]	Air Supply Hose Diameter [mm]
Standard Tool											
DCT9PS	22H × 82 Latch	85041929	9	470	1620	27	9.1	105	4 to 7	0.9	16
	25R × 75 Screw	85041937	9	470	1620	27	9.1	105		0.9	16
	23R × 70 Screw	85041945	9	470	1620	27	9.1	105		0.9	16
	22H × 82 Screw	85041952	9	470	1620	27	9.1	105		0.9	16
DCT12PS	22H × 82 Latch	85041960	12	650	1260	21	13	102	4 to 7	1	16
	22H × 82 Screw	85042042	12	650	1260	21	13	102		1	16
	25R × 75 Screw	85041978	12	650	1260	21	13	102		1	16
Vibration Reduced Tool											
DCT10PV	25R × 75 Screw	85041986	10	490	2040	34	5.05	101	4 to 7	0.9	16
	22H × 82 Screw	85041994	10	490	2040	34	5.05	101		0.9	16
	22H × 82 Latch	85042000	10	490	2040	34	5.05	101		0.9	16
DCT12PV	25R × 75 Screw	85042018	12	650	1260	21	3.79	102	4 to 7	1	16
	22H × 82 Screw	85042026	12	650	1260	21	3.79	102		1	16
	22H × 82 Latch	85042034	12	650	1260	21	3.79	102		1	16

Description	Product	Under Collar Length [mm]	22H x 82	25R x 75
Moil Point Used for all purpose general demolition			85040459	85041499
Narrow Chisel Used for general demolition			85040467	85041507
Clay Spade			85043453	NA

Hoses , Couplings & Accesories

Description	Product	Part Number
3/4" (19 mm) hose with couplings both ends – 4 m length		92737840
3/4" (19 mm) hose with couplings both ends – 15 m length		89310718
3/4" (19 mm) hose no couplings – 60 m length		35393990
1" (25 mm) hose with couplings both ends – 4 m length		92737857
1" (25 mm) hose with couplings both ends – 15 m length		92112226
1" (25 mm) hose no couplings – 60 m length		92047331
Hose Tail for 3/4" Hose		92150978
Hose Tail for 1" Hose		92063379
Hose Clamp 3/4" (19 mm)		92150986
Hose Clamp 1" (25 mm)		92063387
Pressed Hose Clamp		91404483
1/2" BSP female claw coupling		85042547
3/4" BSP male claw coupling		92737980
3/4" BSP female claw coupling		92737998
3/4" BSP female claw coupling		92178532
3/4" BSP female claw coupling		92178524
1" BSP male claw coupling		92063296
1" BSP female claw coupling		92738004
1" BSP female claw coupling		92737972
Claw coupling seal		92178565
IREX coupling brass		91403873
Hose Safety whip check		97319941
0.18 litre/half pint inline lubricator – 3/4" NPT		35364306
0.28 litre/half pint inline lubricator – 3/4" NPT		35364314
0.56 litre/half pint inline lubricator – 1" NPT		35364322
0.18 litre/half pint inline lubricator – 3/4" BSP		35371103
0.28 litre/half pint inline lubricator – 3/4" BSP		35371129
0.56 litre/half pint inline lubricator – 1" BSP		35371129

Your journey with a **Doosan** construction **tool** starts here

With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people.

We are committed to helping you realise maximum value – job after job, day after day. We support your purchase with engineers and factory technicians, field representatives and your dealer. Wherever you see a piece of Doosan Portable Power equipment, know that all of the Doosan Portable Power team is behind it.

Industry-leading support

Our industry-leading support system helps keep your Doosan Portable Power equipment up and running for as long as you own it. Doosan Portable Power is committed to supporting each product throughout its life by offering you an invaluable source of product information, training, service, technical service bulletins, parts and more...

Comprehensive warranty

All Doosan construction tool products come with a 12 months warranty from shipment to the initial user. Doosan Benelux SA will provide a new part or repaired part, at its sole discretion, in place of any part which is found to be defective in material or workmanship during the period described above.

Aftermarket solutions and service

- Dealer stocking programme for frequently-used parts
- Express availability for other parts
- Supporting you and your dealer with troubleshooting expertise on difficult service problems



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More than pneumatic breakers and hammers



Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.



Portable Power

