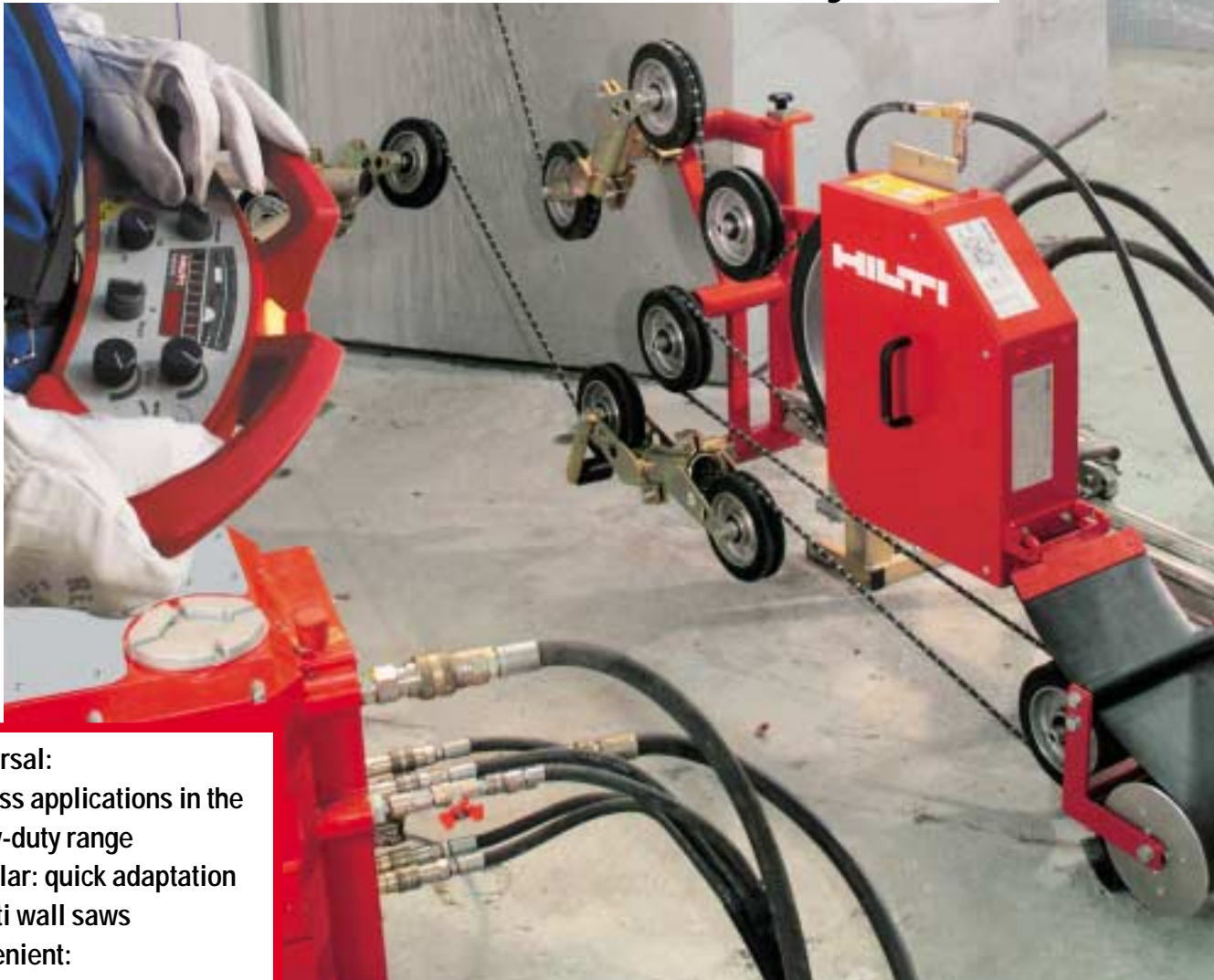


# Endless applications!



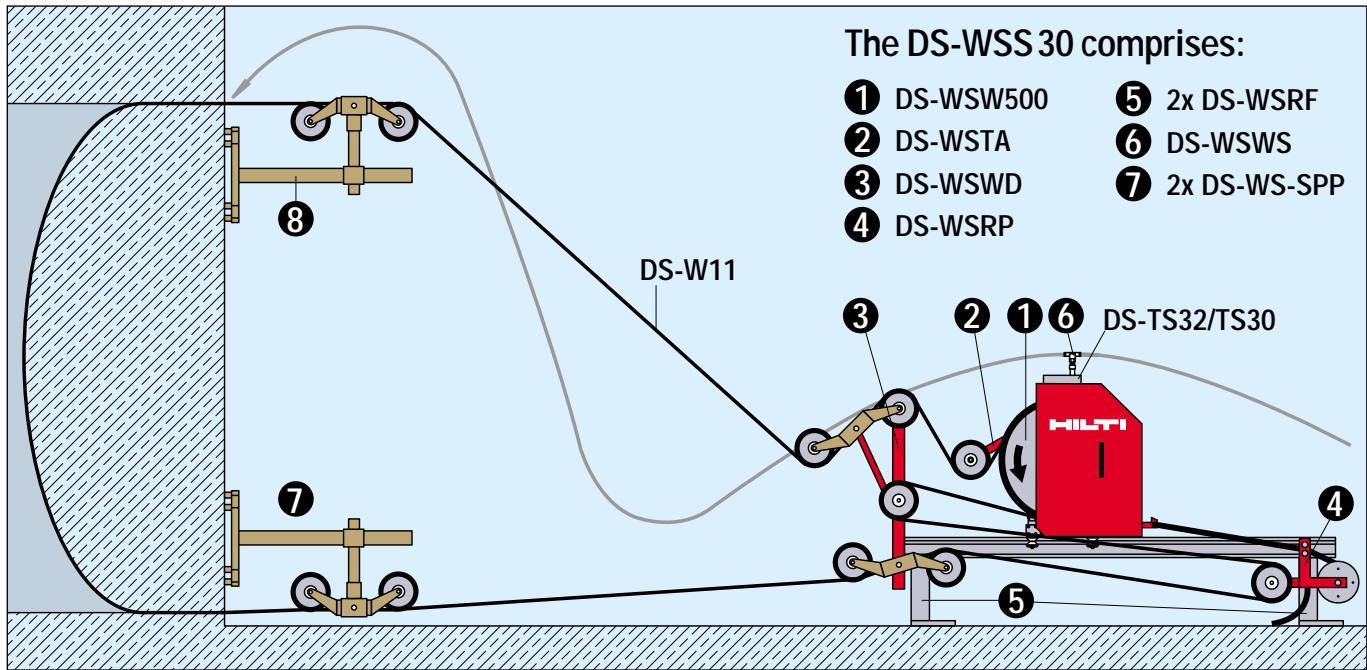
## Hilti DS-WSS 30 diamond wire saw system



- **Universal:**  
endless applications in the heavy-duty range
- **Modular:** quick adaptation to Hilti wall saws
- **Convenient:**  
smooth starting, automatic advance control

**HILTI**

# Hilti DS-WSS 30 diamond wire saw system: the modular system for professionals



## Uses

- Cutting large openings of all kinds in thick structural components
- Technical demolition, cutting away foundations, chimneys, supports, etc.
- Sawing heavily-reinforced concrete, thick masonry, etc.
- Underwater applications, low-noise sawing

## Features

- **Countless applications**
- Quick, modular adaptation of the powerful Hilti D-LP 32 (LP 30) / DS-TS 32 (TS 30) wall saw
- The drive unit does **not** have to be aligned with the cutting line, i.e. it can be set up in the most convenient position.
- Very smooth and easy starting using the infinitely adjustable electric remote control unit
- Automatic sawing advance control, integrated wire store system

## D-LP 32 hydraulic unit



### Technical data

Rated power input at 63 A:	43 kW
Nominal power output:	32 kW
Nominal voltage:	400 V ~ 50 Hz 3 P+PE
Fuse rating, min.:	32 A
Fuse rating, max.:	63 A
Max. operating pressure:	210 bar
Oil flow rate:	30–100 l/min.
Weight:	approx. 210 kg
Digital electric remote control:	24 V

## DS-TS 32 saw head



### Technical data

Hilti motor:	54 ccm
Max. operating pressure:	200 bar
Max. oil flow rate:	100 l/min.
Blade dia. range, 1 <sup>st</sup> gear:	800–1600 mm
Max. cutting depth:	73 cm
Weight:	36 kg
Variable speed:	400-900 r.p.m.

## DS-WSS 30 wire saw system



### Technical data

Drive wheel dia.:	500 mm
Guide pulley dia.:	200 mm
Speed:	approx. 800 r.p.m.
Cutting speed:	approx. 20 m/sec.
Wire store capacity:	8 m diamond wire
Diamond wire length:	10–30 m

Right of technical changes reserved

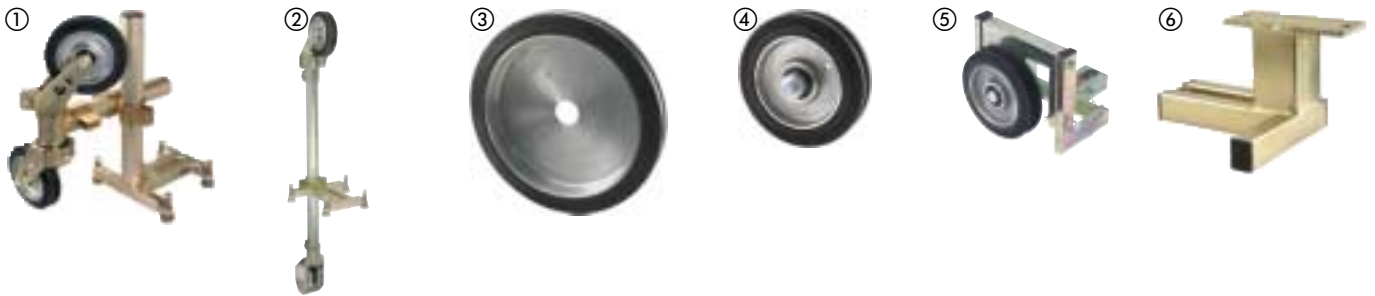
The new D-LP 32 / DS-TS 32 is compatible with the previous D-LP 30 / DS-TS 30.

## DS-WSS 30 diamond wire saw system

The parts listed below form a modular extension and adaptation of the D-LP 30 (D-LP 20) / DS-TS 30 hydraulic wall saw system with a 2 m long D-R200L rail.

Basic equipment	Accessory	Comments / uses	Package contents	Ordering designation	Item no.
●		Comprises items ① to ⑦	1	DS-WSS 30 wire saw system, complete	314371/6
●		Additional, as required	1	DS-WS-SPP single-pair pulley assy.	① 314372/4
●		Single wheel, replacement	1	DS-WSW500 drive wheel	③ 314373/2
●		Single wheel, replacement	1	DS-WSW200 guide pulley	④ 314374/0
●		Additional, as required	1	DS-WSRF rail support	⑥ 314738/6
●		As required *	1	DS-WSRW release pulley assy.	⑤ 315834/2
●		At least 2 required *	1	DS-WSPW plunge pulley assy.	② 315835/9
●		Single pulley, replacement	1	DS-WSW 140 plunge pulley assy.	④ 340621/2

\* see operating instructions



## Recommendations: Which wire specification for which material?

Material	Type of aggregates	Desired characteristics	BC	LC	M
Reinforced concrete with medium-hard or hard aggregates and low to medium abrasiveness	High quartz content High granite content	Universal use, fast cutting	■		
		Long life		■	
Masonry	Very abrasive aggregates	Fast cutting and long life			■

For concrete with a very high steel reinforcement content (up to 20%) we recommend use of our electroplated wires.

## Technical data

	BC	LC	M
Hilti wire saw type	WSS30, WS 15	WSS30, WS 15	WSS30, WS 15
Bead diameter	11 mm	11 mm	11 mm
Diamond matrix thickness	1.5 mm	1.5 mm	1.5 mm
No. of beads	40/m	40/m	40/m
Wire color	Yellow	Black	Violet
Long-life couplings	Fitted	Fitted	Fitted

## DS-W 11 diamond wire

Hilti DS-W 11 diamond wire for DS-WSS 30 and DS-WS 15 wire saw systems

The diamond wires are supplied with factory-fitted, quick-release couplings.

Designation	Item no.	10 m	14 m	18 m	22 m	26 m	30 m
DS-W11BC ①	235835/6*	235836/4*	315019/0	315022/4*	315025/7	315028/1	
DS-W11LC ②	235834/9*	235838/0*	315020/8*	315023/2*	315026/5*	315029/9	
DS-W11M ③	235837/2	235839/8*	315021/6	315024/0	315027/3	315030/7	

\* Standard available from stock. Other items and other lengths on request..



### Hilti DS-W 11 diamond wire – recommendations for use

Designation	Material to be cut	Color code	Diamond wire dimensions		Wire dia. 5.0 mm
Type			Bead size (mm dia.)	Diamond facing (mm)	No. of beads / m
DS-W11BC	Universal, fast cutting	Yellow	11	1.5	40
DS-W11LC	Long life	Black	11	1.5	40
DS-W11M	Masonry, abrasive materials	Violet	11	1.5	40

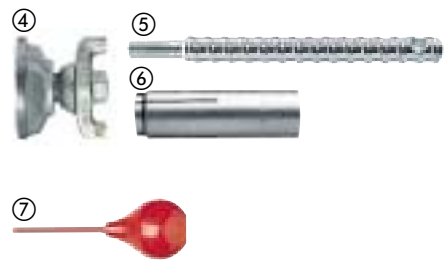
## Accessories for Hilti diamond wires

Description	Comments / uses	Package contents	Ordering designation	Item no.
<b>Crimping pliers</b>	for crimping couplings / sleeves	1	DS-WSTHY	235845/5
<b>Coupling</b>	set, quick-release type	5	DS-WCMV Set	① 371383/1
<b>Coupling</b>	quick-release type	1	DS-WCMV	① 340427/4
<b>Pin</b>	replacement pin for couplings	10	DS-WP	235842/2
<b>Sleeve</b>	repair sleeve	5	DS-WS	235841/4
<b>O-ring</b>	fitted between coupling / bead	10	O-Ring 10/4,7x2,5	235844/8
<b>Crimping jaws</b>	replacement jaws for crimping pliers	2	DS-WJ	340426/6
<b>DC 125-S cutter</b>	for cutting diamond wire	1	DC 125-S	② 000000/0



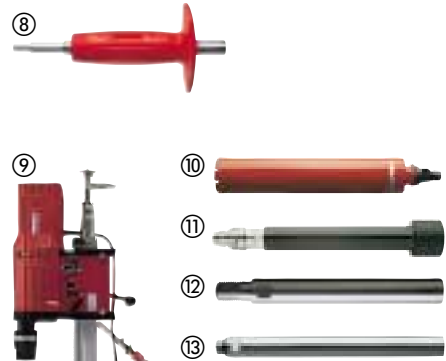
## Combihammer with insert tools

<b>Combihammer</b>		1	TE 55	③ 000000/0
<b>Hammer drill bit</b>	for anchor holes	1	TE-YX-16/35	333760/7
<b>Hammer drill bit</b>	through holes for wire	1	TE-Y-16/92	28708/6
<b>Hammer drill bit</b>	through holes for wire	1	TE-Y-37/57	28733/4
<b>Hammer drill bit</b>	through holes for wire	1	TE-Y-37/92	28734/2
<b>Adaptor</b>	hammer drill bit extension	1	TE-F-K	62116/9
<b>Extension</b>	hammer drill bit 60 cm extension	1	TE-FY-E 60	01953/9
<b>Extension</b>	hammer drill bit 85 cm extension	1	TE-FY-E 85	01954/7
<b>Pointed chisel</b>	grooves for diamond wire	1	TE-Y-KSM 36	204333/9
<b>Flat chisel</b>	breaking core in hole drilled	1	TE-Y-KFM 70	204338/8



## Fastening set for wire sawing

<b>Clamping nut</b>	fastening pulley stand	1	DD-CN-SML	④ 251834/8
<b>Clamping spindle</b>	fastening pulley stand, short	1	DD-CS M12S-SM	⑤ 251830/6
<b>Clamping spindle</b>	fastening pulley stand, long	1	DD-CS M12L-SM	251831/4
<b>Flush anchor</b>	fastening pulley stand	50	HKD-D M12x50	⑥ 252961/8
<b>Blow-out bulb</b>	blowing out anchor holes	1	BB	⑦ 59725/2
<b>Manual setting tool</b>	fastening pulley stand	1	HSD-G M12 1/2	⑧ 243743/2



## Diamond coring machine with core bits

<b>Dia. coring machine</b>		1	DD 160-E	⑨ 000000/0
<b>Diamond core bit</b>	through holes up to approx 70 cm	1	DD-BR 37	000000/0
<b>Diamond core bit</b>	through holes above 70 cm	1	DD-BU 67	⑩ 000000/0
<b>Diamond core bit</b>	through holes at great depth	1	DD-BU 102	000000/0
<b>Extension</b>	300 mm, 60 mm dia. (67 mm hole dia.)	1	BU	⑪ 00074/5
<b>Extension</b>	300 mm, 40 mm dia. (47 mm hole dia.)	1	BS 1 1/4"	⑫ 09850/9
<b>Extension</b>	600 mm, 40 mm dia. (47 mm hole dia.)	1	BS 1 1/4"-600	⑫ 77639/3
<b>Extension</b>	300 mm, 30 mm dia. (37 mm hole dia.)	1	R 1/2"	⑬ 09847/5



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