

20''

# Container Workshop

## Tyre Changer/Lubrication Systems/Washing Systems

Rev.00.07.10.2016

### 1 - Electric System

1.1 Generator Diesel

### 2 - Air System

2.2 Compressor

2.3 Air Tanks

### 3 - Washing System

3.1 Washing Machine

3.2 Hose reel-water/air

3.3 Hose

### 4 - Lubrication System

4.1 Pneumatic pumps

4.2 Digital Meter

4.3 Hose reel-water/air

4.4 Hose

4.5 Mobile greasing system 25 Kg.

4.6 Mobile waste oil suction unit- 24 Lt.

4.7 Funnels

4.8 Measurings

4.9 Mechanical Grease Pumps 500 Lt.

### 5- Welding Systems

5.1 Welding Machine

5.2 Cable Kit

5.3 Torch TIG 4 Mt.

5.4 Regulator

### 6 - Crane Systems

6.1 Hoist Chain

### 7 - Lighting

7.1 Spot

### 8- Tyre Changer Systems

8.1 Tyre Changer Machine

8.2 Air Jack

8.3 Hydraulic Lift Jack

8.4 Hydraulic Jack

8.5 Jack Stand

8.6 Air Impact Wrench

8.7 Impact Sockets - Short

8.8 Impact Sockets - Long

8.9 Tyre Repair Tools Kit

### 9 - Hand Tools

9.1 Combination Wrench Set 16 Piece

9.2 Double Open End Wrench Set 12 Pieces

9.3 DuoTech Pliers Set 3 Piece

9.4 1/4" Drive Socket and Hex Key Set 52 Pie

9.5 1/2" Drive Socket Set 23 Piece

9.6 1/2" Drive Socket Set 23 Piece

9.7 Pliers and Adjustable Wrench Set 3 Piece

9.8 C-PLUS TORX Screwdriver Set 7 Piece

9.9 T-Handle &amp; Ballpoint L Hex Key Set 15 Pie

9.10 Circlip Pliers Set 4 Piece

9.11 Precision Pliers &amp; Screwdriver Set 10 Pie

9.12 Measuring and Cutting Tool Set 6 Piece

9.13 Standard and Needle File Set 11 Piece

9.14 Drill Bit and Impact Screwdriver Set 32 P

## 1 - Electric System

### 1.1 Generator Diesel



Stand By	kVA	20
	kW	16
Prime	kVA	18
	kW	14

#### Diesel Engine

Brand	Ricardo	
Model	R485	
Type	Direct Injection	
Power, Prime 1500 rpm	kWm	15
Cylinder Volume	Liter	2,69
Cylinder Number and Type	4Sira	
Cylinder Order	1-3-4-2	
Aspiration and Cooling	Natural Intake	
RPM	rpm	1500
Bore and Stroke	mm x mm	100 x 125
Governor Class	Mechani	
Fuel Consumption	g / kW x h	245
Fuel Tank Capacity	Liter	120
Oil Capacity	Liter	8
Water Capacity	Liter	16
Exhaust Gas	m2 /min.	6,5

Amount of Air Intake m2 /min. 1,86

Weight kg 300

#### Alternator

Brand	Maranello	
Model	M40	
Output Voltage	V	230 / 400
Frequency	Hz.	50
Automatic Voltage Regulator	±%0,5	
Lenght (with canopy)	cm.	170 (225)
Width (with canopy)	cm.	95 (95)
Height (with canopy)	cm.	145 (160)
Genset Weight (with canopy)	kg.	650 (850)

## 2 - Air System

### 2.2 Compressor



Duble Stage	Electric Motor	380
	Capacity (lt/min.)	550
	Pressure (bar)	12
	Cylinder	3
	Power (Hp)	7,5
High efficiency suction valves		
Condensational water discharge tank		
Industrial heavy duty		

### 2.3 Air Tanks



200 Lt	Diameter	450
	Length	1200
	mm	3
	Bar	15

## 3 - Washing System

### 3.1 Washing Machine



Working Pressure	Bar	250
Electric Motor	W	380
Horse Power	Hp.	10
Flow Rate	Lt / Hour	960
Hose	Mt.	15
Delivery gun		
Ceramic type pump		
500 lt water depot		



### 3.2 Hose reel-water/air



Operating Type	Automatic Winding and Locking
Hose Dimensions	R1 ½"
Burst Pressure	200 Bar
Type	for Wall/Floor Mounting, 2Ways
Encase - Drum	Electrostatic Painted, Steel

### 3.3 Hose



Description	R1 ½" Hydraulic
1. Coupling	G ½"
2. Coupling	½"
Length	15 mt.

## 4 - Lubrication System

### 4.1 Pneumatic pumps



Operating Pressure	Bar	8 Bar
Compression Rate		50:1
Max. Pressure	bar	400 Bar
Performance	gr / min	1.100 gr / min
Air Consumption	Lt / min	400 Lt / min
Tube Size	mm	1000 mm
Main Body		Aluminum Casting

### 4.2 Digital Meter



Measuring Range	lt / dak (min)	1-35
Operating Pressure	atm	70
Operating Temp.	° C	-10 — + 70
Measuring Tolerance	+/- %	0,5
Viscosity	mPa	mPa
Connection	1/2"	

### 4.3 Hose reel-water/air



Operating Type	Automatic Winding and Locking
Hose Dimensions	R1 1/2"
Burst Pressure	200 Bar
Type	for Wall/Floor Mounting, 2Ways
Encase - Drum	Electrostatic Painted, Steel

### 4.4 Hose



Description	R1 1/2" Hydraulic
1. Coupling	G 1/2"
2. Coupling	1/2"
Length	15 mt.

#### 4.5 Mobile greasing system 25 Kg.



Compressed air connection:	For Rectus type 26 connection
Mouthpiece	for DIN 71 412 ball grease nipple
Hose	High pressure hose 3 m, thread ¼"
Coating:	Container: RAL 7040 window grey,
Holder size	for 25 kg containers Ø 270 mm

#### 4.6 Mobile waste oil suction unit- 24 Lt.



Total volume	Lt.	24
Compressed air connection:	Male quick release adapter, for Rectus coupling.	
Recommended air pressure	Bar.	6
Vacuum generation time	Min.	1 - 2
Suction rate probe Ø 5 mm	Lt./Min.	1,0 - 1,5
Suction rate probe Ø 6 mm	Lt./Min.	2,0 - 2,5
Suction rate probe Ø 8 mm	Lt./Min.	3,5 - 4,0
Min. oil temperature		70
Lacquering of container:	Window grey, satin, RAL 7040	

#### 4.7 Funnels



Capacity	Lt.	3,2
Height	Mm.	280
Base LxB	Mm.	240 X 210
Weight	Kg.	0,43

#### 4.8 Measurings



Capacity	Lt.	2
Material of container		Tin Plate
Height	Mm.	320
Base LxB	Mm.	210X115
Weight	Kg.	0,35

#### 4.9 Mechanical Grease Pumps 500 Lt.



## 5- Welding Systems

### 5.1 Welding Machine



#### INVERTEC® 270SX

Processes		Stick, TIG
Input Power	kW	400/3/50/60
Rated Output	A	270
Input Current	A	20
Output Range	A	5-70
Dimensions	Mm.	389 x 247 x 502
Net Weight	Kg.	22

#### Top Features

Robust, built for heavy environmental conditions  
Fully featured and user friendly control panel with digital display allows precise setting of welding current.  
Soft and Crisp mode multiple arc modes for different electrode types.  
Auto Adaptive Arc force standard in Soft and Crisp modes the automatic variable Arc Force operates when required.  
Adjustable Hot Start and Arc Force allow a smooth start/restart of the electrode and prevent sticking of the electrode in the weld pool.

### 5.2 Cable Kit



A	250
Mm.	35
Mt.	5

### 5.3 Torch TIG 4 Mt.



#### Top Features

#### Processes

#### TIG (GTAW)

Premium Air-Cooled Torch, 140A-DC/100A-AC@35% with valve, conn. 35-50

Top quality components for top performance

Designed for Industrial & Heavy duty application

High flexibility cable and ergonomic design with extra grip surface

With gas valve

## 5.4 Regulator



### Top Features

- Maximum inlet pressure 230 bar
- 50 mm safety gauge
- Complete with hose connection diameter hose 5 to 6 mm
- Rear inlet connection
- For light duty MIG/TIG welding
- Processes
- GMAW / GTAW

## 6 - Crane Systems

### 6.1 Hoist Chain



Capacity	ton	1,5
Hoist	mt	3

## 7 - Lighting

### 7.1 Spot



Diameter	cm	11
Main Body	Material	Aluminum Casting
Type		Industry

## 8- Tyre Changer Systems

### 8.1 Tyre Changer Machine



Inside	12"-24"
Tyre Diameter	1075
Tyre Width	12,5
Rim Diameter	10"-24"
Optionel Speed	2
There will be also optional rack	
Optionel tubeless system	
Standart Accessories	

Working Pressure	Bar	8-10
Working Engine	kW / hp	1.1 / 1.5
Rotation Speed	rpm	8-16
Net Weight	kg	290

### 8.2 Air Jack



Lifting capacity	Ton	3
Lifting Height	Mm	240
Height	Mm	155
Air Source	Bar	8
Weight	Kg.	15
Overall Size	Mm	395x313x335

### 8.3 Hydraulic Lift Jack



Lifting capacity	Ton	1,5
Lifting Height	Mm	374
Height	Mm	85
Weight	Kg.	12,5
Overall Size	Mm	610x450x85

### 8.4 Hydraulic Jack



Capacity	Ton	5
Weight	Kg.	4,5
Lifting Height	Mm	125

### 8.5 Jack Stand



Capacity	Ton	3
Lifting Height	Mm	450



### 8.6 Air Impact Wrench



Drive size	Inch	1/2
Capacity bolt size	Mm	18.0
Recommended torque range	Nm	100-450
Weight(w/o socket)	Kg	2.4
Length(w/o socket)	Mm	178.0
Free speed	Rpm	6,000
Impact per min.	lpm	1,200
Air consumption(Normal)	m <sup>3</sup> /min	0.40
Hose size	Mm	6.5
Anvil Length(KW-19HP)	Mm	25.0
Anvil Length(KW-19HP-2)	Mm	75.0

### 8.8 Impact Sockets - Long



Pieces		8
Diameter	Mm	24 - 41
Size	Inch	1/2

### 8.9 Tyre Repair Tools Kit



Grinder



Patch Reel



Brush



Install Seal

### 8.7 Impact Sockets - Short



Pieces		8
Diameter	Mm	24 - 41
Size	Inch	1/2

	
Tree Buffing Stone	Buffing Stone
	
Pen Rasp Stone	Rosp Stone
	
Blades 13 mm	Blades 13 mm Frezz
	
Blades 4,5 mm	Tyre Chalk

## 9 - Hand Tools

### 9.1 Combination Wrench Set 16 Piece



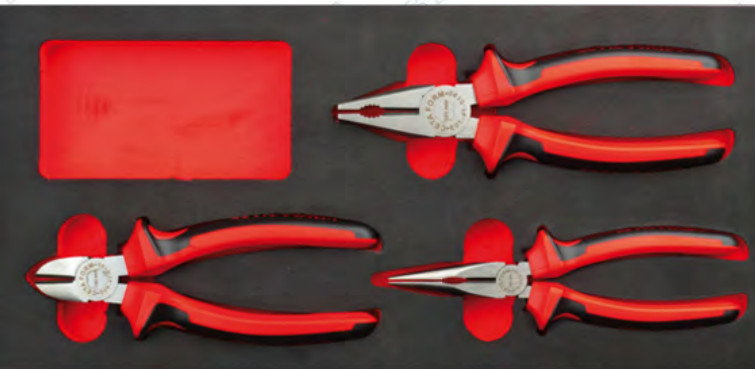
B01-06	6 mm Combination Wrench	1
B01-07	7 mm Combination Wrench	1
B01-08	8 mm Combination Wrench	1
B01-09	9 mm Combination Wrench	1
B01-10	10 mm Combination Wrench	1
B01-11	11 mm Combination Wrench	1
B01-12	12 mm Combination Wrench	1
B01-13	13 mm Combination Wrench	1
B01-14	14 mm Combination Wrench	1
B01-15	15 mm Combination Wrench	1
B01-16	16 mm Combination Wrench	1
B01-17	17 mm Combination Wrench	1
B01-18	18 mm Combination Wrench	1
B01-19	19 mm Combination Wrench	1
B01-21	21 mm Combination Wrench	1
B01-22	22 mm Combination Wrench	1

### 9.2 Double Open End Wrench Set 12 Pieces



B09-0607	6x7 mm Double Open End Wrench	1
B09-0809	8x9 mm Double Open End Wrench	1
B09-1011	10x11 mm Double Open End Wrench	1
B09-1213	12x13 mm Double Open End Wrench	1
B09-1415	14x15 mm Double Open End Wrench	1
B09-1617	16x17 mm Double Open End Wrench	1
B09-1819	18x19 mm Double Open End Wrench	1
B09-2022	20x22 mm Double Open End Wrench	1
B09-2123	21x23 mm Double Open End Wrench	1
B09-2426	24x26 mm Double Open End Wrench	1
B09-2528	25x28 mm Double Open End Wrench	1
B09-3032	30x32 mm Double Open End Wrench	1

### 9.3 DuoTech Pliers Set 3 Piece



E01-41-0180	180 mm Combination Pliers	1
E06-41-0160	160 mm Diagonal Cutter	1
E15-41-0160	160 mm Long Nose Pliers	1

### 9.4 1/4" Drive Socket and Hex Key Set 52 Piece



C01-12	1/4" Drive Quick Release Reversible	1
C01-20	1/4" Drive Spinner Handle	1
C01-80	1/4" Drive Universal Joint	1
C01-40	1/4" Drive Sliding T-Handle	1
C01-71	50 mm 1/4" Drive Extension Bar	1
C01-75	150 mm 1/4" Drive Extension Bar	1
C02-H040	4 mm 1/4" Drive 6-Point Socket	1
C02-H045	4.5 mm 1/4" Drive 6-Point Socket	1
C02-H050	5 mm 1/4" Drive 6-Point Socket	1
C02-H055	5.5 mm 1/4" Drive 6-Point Socket	1
C02-H060	6 mm 1/4" Drive 6-Point Socket	1
C02-H070	7 mm 1/4" Drive 6-Point Socket	1
C02-H080	8 mm 1/4" Drive 6-Point Socket	1
C02-H090	9 mm 1/4" Drive 6-Point Socket	1
C02-H100	10 mm 1/4" Drive 6-Point Socket	1
C02-H110	11 mm 1/4" Drive 6-Point Socket	1
C02-H120	12 mm 1/4" Drive 6-Point Socket	1
C02-H130	13 mm 1/4" Drive 6-Point Socket	1
C04-H040	4 mm 1/4" Drive 6-Point Deep Socket	1
C04-H050	5 mm 1/4" Drive 6-Point Deep Socket	1
C04-H055	5.5 mm 1/4" Drive 6-Point Deep Socket	1
C04-H060	6 mm 1/4" Drive 6-Point Deep Socket	1

C04-H070	7 mm 1/4" Drive 6-Point Deep Socket	1
C04-H080	8 mm 1/4" Drive 6-Point Deep Socket	1
C04-H090	9 mm 1/4" Drive 6-Point Deep Socket	1
C04-H100	10 mm 1/4" Drive 6-Point Deep Socket	1
C04-H110	11 mm 1/4" Drive 6-Point Deep Socket	1
C04-H120	12 mm 1/4" Drive 6-Point Deep Socket	1
C04-H130	13 mm 1/4" Drive 6-Point Deep Socket	1
C08S-T10	T10 1/4" Drive TORX Socket Bit	1
C08S-T15	T15 1/4" Drive TORX Socket Bit	1
C08S-T20	T20 1/4" Drive TORX Socket Bit	1
C08S-T25	T25 1/4" Drive TORX Socket Bit	1
C08S-T27	T27 1/4" Drive TORX Socket Bit	1
C08S-T30	T30 1/4" Drive TORX Socket Bit	1
C08S-T40	T40 1/4" Drive TORX Socket Bit	1
C08S-H30	3 mm 1/4" Drive Hexagon Socket Bit	1
C08S-H40	4 mm 1/4" Drive Hexagon Socket Bit	1
C08S-H50	5 mm 1/4" Drive Hexagon Socket Bit	1
C08S-H60	6 mm 1/4" Drive Hexagon Socket Bit	1
C08S-H80	8 mm 1/4" Drive Hexagon Socket Bit	1
C08S-S55	1/4" Drive Slotted Socket Bi	1
C08S-PH2	PH2 1/4" Drive Phillips Socket Bit	1
L/1.5	1.5 mm Hexagon L Key (Short Arm)	1
L/2	2 mm Hexagon L Key (Short Arm)	1
L/2.5	2.5 mm Hexagon L Key (Short Arm)	1
L/4	4 mm Hexagon L Key (Short Arm)	1
L/5	5 mm Hexagon L Key (Short Arm)	1
L/6	6 mm Hexagon L Key (Short Arm)	1
L/8	8 mm Hexagon L Key (Short Arm)	1
L/10	10 mm Hexagon L Key (Short Arm)	1

**9.5 1/2" Drive Socket Set 23 Piece**



C21-12	1/2" Drive Quick Release Reversible	1
C21-40	250 mm 1/2" Drive Sliding T-Handle	1
C21-80	1/2" Drive Universal Joint	1
C21-74	125 mm 1/2" Drive Extension Bar	1
C21-77	250 mm 1/2" Drive Extension Bar	1
C22-H09	9 mm 1/2" Drive 6-Point Socket	1
C22-H10	10 mm 1/2" Drive 6-Point Socket	1
C22-H11	11 mm 1/2" Drive 6-Point Socket	1
C22-H12	12 mm 1/2" Drive 6-Point Socket	1
C22-H13	13 mm 1/2" Drive 6-Point Socket	1
C22-H14	14 mm 1/2" Drive 6-Point Socket	1
C22-H15	15 mm 1/2" Drive 6-Point Socket	1
C22-H16	16 mm 1/2" Drive 6-Point Socket	1
C22-H17	17 mm 1/2" Drive 6-Point Socket	1
C22-H18	18 mm 1/2" Drive 6-Point Socket	1
C22-H19	19 mm 1/2" Drive 6-Point Socket	1
C22-H21	21 mm 1/2" Drive 6-Point Socket	1
C22-H22	22 mm 1/2" Drive 6-Point Socket	1
C22-H24	24 mm 1/2" Drive 6-Point Socket	1
C22-H27	27 mm 1/2" Drive 6-Point Socket	1
C22-H30	30 mm 1/2" Drive 6-Point Socket	1
C22-H32	32 mm 1/2" Drive 6-Point Socket	1



**9.6 1/2" Drive Socket Set 23 Piece**



F10-030-075	3.0x75 mm C-PLUS Slotted Screwdriver	1
F10-040-100	4.0x100 mm C-PLUS Slotted Screwdriver	1
F10-055-125	5.5x125 mm C-PLUS Slotted Screwdriver	1
F10-065-150	6.5 x 150 mm C-PLUS Slotted Screwdriver	1
F14-001-080	PH1x80 mm C-PLUS Phillips Screwdriver	1
F14-002-100	PH2x100 mm C-PLUS Phillips Screwdriver	1
F26/BT	C-PLUS 1/4" Bit Driver	1
CB/ST31	31 Piece Bit Set	1

**9.8 C-PLUS TORX Screwdriver Set 7 Piece**



F18-010-080	T10x80 mm C-PLUS TORX Screwdriver	1
F18-015-080	T15x80 mm C-PLUS TORX Screwdriver	1
F18-020-100	T20x100 mm C-PLUS TORX Screwdriver	1
F18-025-100	T25x100 mm C-PLUS TORX Screwdriver	1
F18-027-115	T27x115 mm C-PLUS TORX Screwdriver	1
F18-030-115	T30x115 mm C-PLUS TORX Screwdriver	1
F18-040-130	T40x130 mm C-PLUS TORX Screwdriver	1

**9.7 Pliers and Adjustable Wrench Set 3 Piece**



E30-54-0250	250 mm Water Pump Pliers	1
E50-240-2	240 mm Grip Pliers	1
B21-250B	250 mm - 10" Adjustable Wrench	1

**9.9 T-Handle & Ballpoint L Hex Key Set 15 Piece**



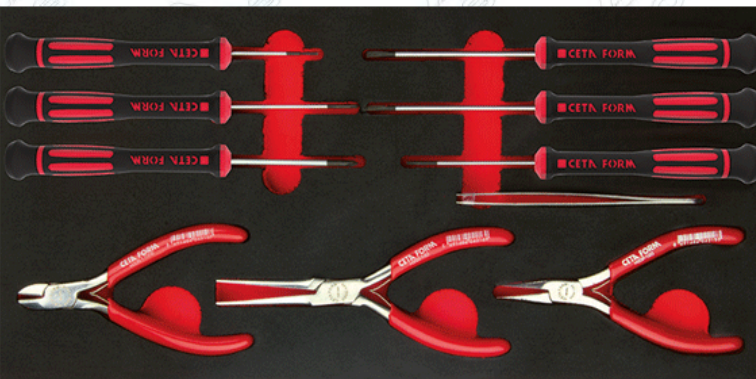
K10-020-100	2 mm T-Handle Hexagon Key	1
K10-025-100	2.5 mm T-Handle Hexagon Key	1
K10-030-100	3 mm T-Handle Hexagon Key	1
K10-040-150	4 mm T-Handle Hexagon Key	1
K10-050-150	5 mm T-Handle Hexagon Key	1
K10-060-200	6 mm T-Handle Hexagon Key	1

**9.10 Circlip Pliers Set 4 Piece**



E65-44-0180	180 mm External Circlip Pliers	1
E66-44-0180	180 mm External Circlip Pliers	1
E67-44-0180	180 mm Internal Circlip Pliers	1
E68-44-0180	180 mm Internal Circlip Pliers	1

**9.11 Precision Pliers & Screwdriver Set 10 Piece**



H30S-110SB	Electronics Diagonal Cutters	1
H33S-120	Electronics Short Needle Nose Pliers	1
H35S-140	Electronics Long Needle Nose Pliers	1
H01-15-040	1.5x40 mm Electronics Pozidriv	1
H01-20-060	2.0x60 mm Electronics Pozidriv	1
H01-25-080	2.5x80 mm Electronics Pozidriv	1
H01-30-080	3.0x80 mm Electronics Pozidriv	1
H02-00-060	PH00x60 mm Electronics Phillips	1
H02-0-060	PH0x60 mm Electronics Phillips	1
H41-06-0115	Pointed Tip Tweezers (Straight)	1

**9.12 Measuring and Cutting Tool Set 6 Piece**



G40-48-0145	145mm Multi-Purpose Electrician's Shears	1
J06-250	250 mm English Pattern Snip (Pro)	1
J45C	Compact Utility Knife - 18 mm	1
P05-0519	5 m x 19 mm Compact Tape Measure	1
P15-030	30 cm Stainless Steel Rule	1
P54-20S	0,05 - 1,0 mm - Feeler Gauge - 20 Leaf	1

**9.13 Standard and Needle File Set 11 Piece**



J55-108H	200 mm - 8" Hand File	1
J56-108H	200 mm - 8" Half-Round File	1
J57-108H	200 mm - 8" Round File	1
J58-108H	200 mm - 8" Square File	1
J59-108H	200 mm - 8" Three Square File	1
J75-R06	Needle File Set	6

**9.14 Drill Bit and Impact Screwdriver Set 32 Piece**



R15-1000	1000 gr Magnetic Pick-Up Tool	1
F28/BT	1/2" Impact Driver	1
BT/8007	1/2"-5/16" Bit Holder Socket	1
CB/516SL08	8 mm Slotted Bit (Impact Grade)	1
CB/516SL10	10 mm Slotted Bit (Impact Grade)	1
CB/516SL12	12 mm Slotted Bit (Impact Grade)	1
CB/516PH2	PH2 Phillips Bit (Impact Grade)	1
CB/516PH3	PH3 Phillips Bit (Impact Grade)	1
CB/516PH4	PH4 Phillips Bit (Impact Grade)	1
B/516TX30	T30 TORX Bit (Impact Grade)	1
CB/516TX40	T40 TORX Bit (Impact Grade)	1
CB/516TX45	T45 TORX Bit (Impact Grade)	1
CB/516TX50	T50 TORX Bit (Impact Grade)	1
R21-D1.0	1 mm Drill Bit	1
R21-D1.5	1.5 mm Drill Bit	1
R21-D2	2 mm Drill Bit	1
R21-D2.5	2.5 mm Drill Bit	1
R21-D3	3 mm Drill Bit	1
R21-D3.5	3.5 mm Drill Bit	1
R21-D4	4 mm Drill Bit	1
R21-D4.5	4.5 mm Drill Bit	1
R21-D5	5 mm Drill Bit	1

R21-D5.5	5.5 mm Drill Bit	1
R21-D6	6 mm Drill Bit	1
R21-D6.5	6.5 mm Drill Bit	1
R21-D7	7 mm Drill Bit	1
R21-D7.5	7.5 mm Drill Bit	1
R21-D8	8 mm Drill Bit	1
R21-D8.5	8.5 mm Drill Bit	1
R21-D9	9 mm Drill Bit	1
R21-D9.5	9.5 mm Drill Bit	1
R21-D10	10 mm Drill Bit	1