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AUTOMOTIVE INDUSTRY & TRADE CO. LTD.

SPARE PARTS FOR **concrete** **equipment**



CBO
INDUSTRY MACHINERY &
TRADE LIMITED COMPANY

30 YEARS
1988 - 2019



Parts Catalogue 30th Anniversary Edition

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The CBO catalogues provide all the necessary technical information with a clear indication for concrete pump & mixer parts, showing all products already in the range, products coming soon and, basically, all the parts making up the unit, in order to represent a valuable support tool for anyone who may need to service a machine. CBO periodically sends information about new products available for sales to all customers; this information is also available online at www.cbo.com.tr in the customer area. Customers can also submit requests for quotations and orders, check for any outstanding order and view the shipping status.



30 YEARS
1988 - 2019

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TRUCKMIXER



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1.0 HOPPER

Item	Description	CBO Number
Hopper Complete	RS905/907 Q80	44422179
Hopper Complete	RS905/907 Q90	44422181
Hopper Complete	RS909	44422189
Hopper	RS905/907	44421093
Hopper	RS909	44421105

1.1 WEAR PARTS

Item	Description	CBO Number
Spetacle Wear Plate	DURO 22	44420005
Spetacle Wear Plate	DURO 22	44420343
Spetacle Wear Plate	DURO 22	44420453
Spetacle Wear Plate	DURO 22	44420369
Spetacle Wear Plate	DURO 22	44422033
Spetacle Wear Plate	DURO 22	44420075
Spetacle Wear Plate	DURO 22	44422101
Spetacle Wear Plate	DURO 22	44422103
Spetacle Wear Plate	HM	44422105
Spetacle Wear Plate	D220/270 HM	44420079
Spetacle Wear Plate	D230/260 HM	44422107
Spetacle Wear Plate	DURO 22	44422109
Wear Ring	DURO 22	44420009
Wear Ring	DURO 22	44420455
Wear Ring	DURO 22	44420371
Wear Ring	DURO 22	44422029
Wear Ring	DURO 22	44420373
Wear Ring	DURO 22	44420457
Wear Ring	DURO 22	44422029
Wear Ring	ND200 HM	44422111
Wear Ring	ND230 HM	44422113
Wear Ring	ND230/260 HM	44420083
Thrust Ring	Q 200 NBR	44420009
Thrust Ring	Q 230 NBR	44420085
Thrust Ring		44420375
Thrust Ring		44422115
Thrust Ring		44420011
Thrust Ring		44420347





1.2 S VALVE ACCESSORIES

Item	Description	CBO Number
S Valve S2018N	8"-7"	44420001
S Valve S2318	9"-7"	44420073
S Valve CP 60	8"-7"	44422117
S Valve S2015	8"-6"	44422001
S Valve S2318VP	9"-7"	44421543
S Valve S1812 D9		44422177
Discharge Support Complete		44420037
Discharge Support Complete		44422193
S-Valve Outher Housing		44420039
S-Valve Outher Housing	D220mm/270mm	44422007
S-Valve Outher Housing	D165mm/210mm	44422035
S-Valve Outher Housing	D220mm/270mm	44422119
S-Valve Outher Housing	D265mm/270mm	44422121
S-Valve Shaft Bearing With Wear Sleeve	D90mm	44420093
S-Valve Shaft Bearing With Wear Sleeve	D80mm	44420023
S-Valve Shaft Bearing With Wear Sleeve	D90mm	44421103
Switch Lever Shaft	D90mm	44420091
Switch Lever Shaft	D90mm	44421539
Switch Lever Shaft	D80mm	44420015
Swinging Lever	80/46	44422191

1.3 PLUNGER CYLINDERS

Item	Description	CBO Number
Plunger Cylinder	Q160-40	44422123
Plunger Cylinder	Q160-60	44420061
Plunger Cylinder	Q160-60	44420063
Plunger Cylinder	Q160-60	44420141
Plunger Cylinder	Q160-80	44420115
Plunger Cylinder	Q160-80	44420133
Plunger Cylinder	Q200-80	44420109
Plunger Cylinder	Q200-80	44420121

1.4 HOPPER MIXER PARTS

Item	Description	CBO Number
Bottom Hopper Door		44420143
Bottom Hopper Door		44422125
Bottom Hopper Door O-Ring	Q250*15 Nbr 70	44420145
Threaded Bolt		44420149
Bock Right Hand Side		44420147
Bock Left Hand Side		44420147-1
Bottom Door Bushing	25x28x30	44422127
Hopper Grate	60 mm	44420055
Hopper Grate		44422129
Hopper Grate		44421601
Splah Guard Rubber		44422131
Torque Support		44420171
Mechanical Limit Switch		44420169
Control Block		44420173
Hydraulic Motor OMH 500		44420151
Hydraulic Motor Bucher B 540		44420157
Hydraulic Motor B 748		44421555
Shaft For Hydraulic Motor OMH 500		44420153
Shaft For Hydraulic Motor B 748/B 540		44420159

1.5 BEARING FLANGE ASSEMBLY & ACCS.

Item	Description	CBO Number
60 mm Bearing Flange Complete Assembly		44420175
Flange Bearing Hub	D60 with Groove	44420177
Bushing	60mmx65mmx40mm DU-B	44420181
Rubber Disc	150mmx56mmx8mm	44420183
O-Ring	60mmx4mm	44422133
50 mm Bearing Flange Complete Assembly		44422135
Flange Bearing Hub	D50 with Groove	44420499
Bushing	50mm Plastic	44420501
Rubber Disc	50mm Plastic	44420503
O-Ring	50mmx5mm	44422137
40 mm Bearing Flange Complete Assembly		44422139
Flange Bearing Hub	D40 With Groove	44420441
Bushing	40mm Plastic	44420437
Rubber Disc	40 mm plastic	44420439
40 mm Bearing Flange Complete Assembly		44422141
Flange Bearing Hub	D40	44420433
Lip Bushing		44420435
Bushing	40mm Plastic	44420437
Rubber Disc	40mm Plastic	44420439
Flange		44421113





1.6 AGITATOR PADDLE & ACCS.

Item	Description	CBO Number
Left Hand Side		44420191
Right Hand Side		44420191-1
Left Hand Side	Hard-faced.Used on all Hopper Models	44422143
Right Hand Side	Hard-faced.Used on all Hopper Models	44422145
Left Hand Side		44420431
Right Hand Side		44420429
Left Hand Side		44420507
Right Hand Side		44420505
Conveying Worm Left		44420491
Conveying Worm Right		44420493
Conveying Worm Left		44420497
Conveying Worm Right		44420495

1.7 MIXER SHAFTS



Item	Description	CBO Number
Mixer Shaft	85 cm	44420185
Mixer Shaft	D48x949	44420481
Mixer Shaft	D48X575	44420421
Mixer Shaft End	60mm	44420187
Mixer Shaft End	Q60X250	44420509
Mixer Shaft End	Q50	444420487
Mixer Shaft End	Q50 x285	44420427
Mixer Shaft End	Q50	44420487S
Mixer Shaft End	Q40	44420485
Mixer Shaft End	Q40	44420483
Mixer Shaft End	D45mm x255mm	44421599
Washer		44420189

1.8 FLAP ELBOW & ACCESSORIES



Item	Description	CBO Number
Reduction Elbow ZXM 150		44420193
Reduction Elbow W/Out Port		44422147
Sealing Cover		44420209
O-Ring	148mmx6mm	44422149
Clamp for Priming Port Flap Elbow		44420203
Clamp Coupling ZX_W6 HD		44420199
Clamp Coupling 6"		44420201
Bolt		44422151
Tie Rod		44420213
Mounting Bolt		44420211
Wedge		44420207
Wedge		44420205
6" Elbow ZXM/ZXV		44420195
6" Elbow		44420197

1.9 DELIVERY /MATERIAL CYLINDER



Item	Description	CBO Number
Pumping Cylinder	200x1400	44420223
Pumping Cylinder	200x2100	44420225
Pumping Cylinder	230x1400	44420221
Pumping Cylinder	230x2100	44420219
Pumping Cylinder	250x2310	44420229
Pumping Cylinder	280x2355	44420227

1.10 CONNECTING RING



Item	Description	CBO Number
Intermediate Ring		44420217
Intermediate Ring		44420087
Intermediate Ring		44422015
Intermediate Ring		44422017
Intermediate Ring		44422153
O-Ring	210mm x 8mm	44422155
O-Ring	235mm x 5mm	44422157



1.11 MAIN PUMPING CYLINDERS

Item	Description	CBO Number
Drive Cylinder	110/63 mm -1400	44420259
Drive Cylinder	130/80 mm -2100	44420289
Drive Cylinder	140/80mm-2100	44420321
Cylinder Barrel		44420261
Cylinder Barrel		44420291
Cylinder Barrel		44420323
Pumping Cylinder Rod		44420263
Pumping Cylinder Rod		44420293
Magnetic Switch	M12x1	44420351
Multiple Plug	75 cm	44420353-75
Multiple Plug	2 mt	44420353-2
Multiple Plug	3 mt	44420353-3



1.12 PISTON

Item	Description	CBO Number
Delivery Piston	D180mm	44420231
Delivery Piston	D200mm	44420233
Delivery Piston	D200mm	44421605
Delivery Piston	D230mm	44420235
Delivery Piston	D230mm	44420236
Delivery Piston Seal	D180mm	44420247
Delivery Piston Seal	D200mm	44420239
Delivery Piston Seal	D230mm	44420241
Delivery Piston Seal	D250mm	44420242RING
Delivery Piston Seal	D280mm	44420237
Guide Ring	D180mm	44420249
Guide Ring	D200mm	44420243
Guide Ring	D230mm	44420245
Guide Ring	D250mm	44420242
Guide Ring	D280mm	44420237RING
Piston Rod Flange		44420253
Piston Rod Flange		44420255
Spacer Flange		44420251
Spacer Flange		44420257

1.13 TRUNK SYSTEM & ACCS.

Item	Description	CBO Number
Trunk	B2314	44420367
Trunk	B2614 - R2002	44420451
Pressure Pipe	2163mm	44420389
Pressure Pipe		44420469
Thrust Ring	200mm	44420375
Wear Strip		44420377
Wear Strip		44420447
Wear Plate		44420379
Tightener		44420381
Pressure Plate		44420461
Wear Plate		44420465
Trunk Lever		44420383
Trunk Lever		44420475
Spacer Sleeve		44420385
Stud Bolt		44420387
Stud Bolt		44420467
Mounting Coupling 6"		44420395
Screw Coupling		44420399
Bearing Ring		44420397
Hydraulic Cylinder		44420401
Seal set		44420415



1.14 DELIVERY ELBOW

Item	Description	CBO Number
Delivery Elbow	10 Deg. 5,5"	44420515
Delivery Elbow	15 Deg. 5,5"	44420517
Delivery Elbow	20 Deg. 5,5"	44420519
Delivery Elbow	30 Deg. 5,5"	44420521
Delivery Elbow	45 Deg. 5,5"	44420523
Delivery Elbow	45 Deg. 5,5"	44420525
Delivery Elbow	90 Deg.5,5"	44420527
Delivery Elbow	90 Deg.5,5" R180	44420529
Delivery Elbow	90 Deg 5"	44420533
Delivery Elbow	90 Deg 5,5" R1000	44420531
Reduction	6"-5" 100mm	44420471
Reduction	6"-5,5" 200mm	44420473
Delivery Elbow Z Pipe		44420535
Reducing pipe	1200 mm 6" - 5,5"	44420511
Reducing pipe	1200mm 6" - 5,5"	44420513





1.15 CLAMPS

Item	Description	CBO Number
Clamp Coupling	5,5"	44420551
Mounting Coupling	5,5"	44420553
Screw Coupling	5,5"-4 Bolt	44420479
Screw Coupling	5,5"	44420555
Screw Mounting Coupling	5,5"	44420557
Clamp Coupling	5,5"	44420559
Mounting Coupling	6"	44420561
Screw Coupling	6"	44420563
Clamp Coupling	6"	44420199
Clamp Coupling	6"	44420201
Clamp Coupling		44420203
Screw Coupling	6"	44420399
Mounting Coupling	6"	44420395
Mounting Coupling	Right	44421635
Mounting Coupling	Left	44422159
Mounting Coupling	SK-H 125/5,5"	44422183
Mounting Coupling	SK-H 125/5,5" ND	44422185
Mounting Coupling	SK-H 125/5,5 ND	44422187
U- Shapped Support	5,5"	44420569
Clamp		44420567
Tightening Strap	5,5"	44420565
Double Boom Clamp		44421637
Hose Clamp		44421631
Automatic Clamp for End Hose		44421633
Circilip		44421639

1.16 FLANGE & SEALING



Item	Description	CBO Number
Sealing	6"	44420541
Sealing	5,5"	44420537
Sealing	5,5"	44420539
Sealing	4,5"	44420545
Sealing	4"	44420543
Flange Inserted Front Of The Pipe	5,5"	44420547
Flange Inserted Top Of The Pipe	5,5"	44420549
Flange Inserted Front Of The Pipe Twin Type	5,5"	44422161

1.17 FILTERS

Item	Description	CBO Number
Suction Filter Housing		44420571
Suction Filter Housing		44420573
High Pressure Filter	110L/Min 400 bar without Insert	44420575
Filter Element for Suction Filter	Used for Suction Filter 2x1" -2 x1,5" on BSF Units	44420577
Suction Filter Element		44420579
High Pressure Filter Element	110L/Min DP>=50 bar	44420581
Filter Element	Used on TTS and TVS Units	44420583
Filter Element		44420585
Air Filter Complete Set		44420587
Filter Element		44420589
Filter Element		44420591
Filter Element	Used for Air Filter	44420593
Filter Element	Used for Suction Filter 2x1" -2 x1,5" on BSF Units	44420595
Filter Element	Used for Suction Filter 2x1" -2 x1,5" on BSF Units	44420597
Filter Element		44420599
Suction Filter Element		44420601
High Pressure Filter Element	10 u Absolut 40m Class	44420603
High Pressure Filter Element	80 L/Min DP =20 bar	44420605
Filter Element	Used for BSA and TVS Units	44421499
Filter Element for Return Suction Filter		44421493
Filter Element for Suction Filter	110 l/min , x=322,5 mm	44421611
Air Filter	Used on all BSF Units	44422163
Filter Cartridge		44420607





1.18 REMOTE CONTROLS & PARTS

Item	Description	CBO Number
	Radio Remote Control ,Prop	44420609
	Radio Remote Control ,Prop	44420611
	Small Switch Protection Cap	44420613
	LG Switch Protection Cap	44420615
	Joystick Bellows	44420617
	Star Handle Switch	44420619
	Star Handle Switch	44420621
	Star Handle Switch	44420623
	Star Handle Switch	44420625
	Housing Part	44420627
	Housing Part	44420629
	Battery	2x 2100 Ah
	Charging Set	44420635
	Antenna	416-419/430-440MHz
	Antenna	900 MHz FL30
	Antenna	44420641

1.19 RELAYS FOR CONTROL BOX

Item	Description	CBO Number
	Relay	24 V
	Relay	24 V ,10/20A
	Relay	24 V 40A
	Relay	
	Relay	24 VDC
	Relay D3	
	Socket for Man Relay	
	Plug In Socket 5 Pol	
	Switchbox	24V-DC
	Relay	24 V 1 Changer
	Relay	24 VDC
	Relay	24 V For Pump on and off
	Step Relay	24 VDC
	Step Relay	24 V
	Relay Module	24V
	Plug Socket Grey	
	Relay	
	Poh Reverse Electronic	10-32 V

1.20 OIL COOLER ACCESSORIES

Item	Description	CBO Number
Oil Radiator	24 V	44420745
Replacement Fan for Hydraulic Oil Cooler	24 V	44420747
Electric Motor Fan	24 V	44420749
Electric Motor Fan	24 V	44420751
Oil Radiator	24 V	44420753
Fan Motor for Oil Cooler		44421591



1.21 THERMOMETERS

Item	Description	CBO Number
Temperature Transmitter 55°	M14X1,5 mm	44420755
Temperature Transmitter 50- 55°	M14X1,5 mm	44420757
Temperature Transmitter 90°		44420759
Temperature Transmitter 90°	M14X1,5 mm	44420761
Temperature Transmitter 90°	M14X1,5 mm	44420763
Temperature Transmitter 70°	M14X1,5 mm	44421597



1.22 HYDRAULIC ACCUMULATOR & BLADDER

Item	Description	CBO Number
Hydraulic Accumulator	4 OL	44420765
Bladder	4 OL	44420767
Hydraulic Accumulator	6 OL	44420771
Bladder	6 OL	44420773
Hydraulic Accumulator	10 OL	44421041
Bladder	10 OL	44421043





1.23 HYDRAULIC PUMPS

Item	Description	CBO Number
Hydraulic Pump	R A4VG125HD	44420901
Hydraulic Pump	R A4VG125EP	44421549
Hydraulic Pump	R A4VG180HD	44421147
Hydraulic Pump	R A4VG110EP	44421551
Hydraulic Pump	R A4VG145 BR40	44421553
Hydraulic Pump	R A10VO18(13)DR	44421559
Hydraulic Pump	R A10V28(13)DR	44420903
Hydraulic Pump	R 14,0 HY/ZFS 11/14	44420905
Hydraulic Pump	L A7V28(24)DR	44420907
Hydraulic Pump	L KF-A2FO32	44420909
Hydraulic Pump	A 2FO16/61L-PAB06	44420911
Hydraulic Pump	A4FO28	44421561
Hydraulic Motor	R 160 ,0 140 (175) BAR	44420913
Hydraulic Motor		44420915
Hydraulic Motor	A2F16 A2FM16/61W	44421151
Hydraulic Motor		44421557
Hydraulic Motor		44421563
Hydraulic Motor	5,5cm ³	44420921

1.24 DIST. GEAR BOX & ACCS.

Item	Description	CBO Number
Distributor Gear Box	G64	44420937
Distributor Gear Box	G64C	44422165
Distributor Gear Box	G61	44422169
Housing for G61 Gear Box	G61	44421641
Sliding Clutch		44420939
Sliding Clutch		44421097
Switch Fork		44420941
Switch Fork		44421095
Piston		44420943
Coupling Piece		44420945
Splined Shaft		44420947
Splined Shaft		44421537
Switching Cylinder		44421501
Clutch Shaft		44421643
Clutch Shaft		4442647
Guide		44421651
Intermediate Shaft		44421531

1.25 SEAL KITS

Item	Description	CBO Number
Seal Kit	115/70	44420979
Seal Kit	125/70	44420981
Seal Kit	125/80	44420983
Seal Kit	125/80	44420985
Seal Kit	165/105	44420987
Seal Kit	180/105	44420989
Seal Kit	180/125	44420991
Seal Kit	200/125	44420993
Seal Kit	250/180	44420995
Seal Kit		44420997
Seal Kit		44420999
Seal Kit		44421001
Seal Kit	165/80	44421003
Seal Kit	225/125	44421005
Seal Kit	225/140	44421007
Seal Kit	320/180	44421009
Seal Kit	280/180	44421011
Seal Kit	200/125	44421013
Seal Kit	200/125	44421015
Seal Kit		44421017
Seal Kit		44421019
Seal Kit	165/105	44421021
Seal Kit	180/125	44421023
Seal Kit		44421025
Seal Kit		44421027
Seal Kit	80/63	44421029
Seal Kit		44421031
Seal Kit		44421033
Seal Kit	80/63	44421035
Seal Kit	50/40	44421037
Seal Kit		44421039
Seal Kit		44421045
Seal Kit		44421051
Seal Kit		44421053
Seal Kit		44421055
Seal Kit	80/50	44421057
Seal Kit		44421059
Seal Kit		44421061
Seal Kit		44421063
Seal Kit		44421077
Seal Kit	225/125	44421079
Guide Ring		44421047
Guide Ring		44421049
Guide Ring	63x24	44421075





1.26 HYDRAULIC VALVES & ACCESSORIES

Item	Description	CBO Number
	Direct.contr.block right 4+V	44423000
	Direct.contr.block left 4+V	44421621
	Direct.contr.block left 5+V	44423002
	Direct.contr.block right 5+V	44423004
	Control block 24V	44423006
	Solenoid 24V	44423008
	Boom control block HHVP6-24V	44421165
	Boom control block HHVP7-24V	44421471
	Input module f.con.pump	44421477
	Hydr. valve prop. 24V; 10/10 l/min.	44423010
	Hydr. valve prop. 24V; 40/63 l/min.	44423012
	Hydr. valve prop. 24V; 25/40 l/min.	44423014
	Hydr. valve prop. 24V; 16/25 l/min.	44423016
	Solenoid 24V	44420809
	Lever housing	44421489
	Seal set	44421051
	Seal set	44421053
	Double flow contr.valve	44421161
	Double flow contr.valve 180bar	44423016
	Shutoff monobloc 350/375 16 LT E.6	44420883
	Shutoff monobloc 350/370 7 LT D.6	44420897
	Shutoff monobloc 200/225 10 LT E.8	44420889
	Hydr. control 24V; FFH	44423018
	4/3-way valve	44420781
	Output regulation, mot. 24V	44421627
	Control press.regulator	44421625
	Pressure limiting valve	44423020
	4/3-way valve 24V 4 WE 6 J62	44420791
	4/2-way valve 24V 4 WE 6 Y62	44420785
	4/2-way valve 24V 5-4 WE 10Y	44420787
	Solenoid coil 24V	44421149
	Solenoid coil 24V	44420793
	Pressure limiting valve	44423022
	Throttle valve	44421137
	Ball cock DN6	44423024
	4/3-way valve	44423026
	Output regulation, prop. 24V	44423028
	Solenoid coil 24V	44423030
	4/2-way valve NG10 320bar	44420787
	4/3-way valve 4 WE 6 G62	44420783

1.26 HYDRAULIC VALVES & ACCESSORIES

Item	Description	CBO Number
4/2-way valve 24V 4 WE 6 Y22		44420789
4/3-way valve		44421521
4/3-way valve		44423032
4/3-way valve		44423034
Pressure limiting valve 210bar		44420813
Pressure limiting valve 140bar		44420815
Regulator		44423036
Lubricant distributor VSKV4-D		44420357
Pressure limiting valve		44423038
Pressure transducer		44421581
Temperature transmitter -25°...+100°C; 1/4		44423040
Temperature transmitter -1...+1 bar		44423042
Temperature transmitter -1...+9 bar		44421583
Cylinder kit for pv24		44423044
Assembly kit charge pump 25 cm ³		44423046
Pressure plate		44423048
Rotary kit DPV25		44423050
Charge pump DPV25		44423052
Valve plate DPV25		44423054
Rotary shaft seal 60x106x7/5		44423056
Securing ring 106 x 4		44423058
Rotary shaft seal 55x90x7/5		44423060
Securing ring 90 x 4		44423062



1.27 WATER PUMPS

Item	Description	CBO Number
Water Pump CRK 4/160 Complete	Grundfoss Type	44420931
Water Pump CRK 4/160 W/Out Motor	Grundfoss Type	44420933
Water Pump CDLK - 4/160 Complete	CNP Type	44423064
Water Pump CDLK - 4/160 W/Out Motor	CNP Type	44423066
Water Pump HW 520	Hypro Type	44410433





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2.0 WEAR PARTS

Item	Description	CBO Number
Base Plate	DN 180/200/230	44410001
Base Plate	DN 250	44410003
Wear Ring Insert	DN 250 Casting	44410005
Wear Plate	DN 200 (8") Casting	44410007
Wear Plate	DN 230(9") Casting	44410009
Wear Ring Insert	DN 180 Inlet side , Casting	44410011
Housing Lining	DN 180	44410041
Housing Lining	DN 135	44410043
Wear Ring	DN 210	44410013
Wear Ring	DN 220	44410015
Wear Ring	DN 180	44410017
Wear Ring	DN 165	44410019
Wear Ring	DN 230	44410021
Cover		44410023
Bushing Steel		44410025
Sealing Cover		44410027
Transition Piece	DN 250 /220	44410029
Transition Piece	DN 230/210	44410031
Transition Piece	DN 200/200	44410033
Bearing Bushing	D 95/108X70 With grease groove	44410035
Bearing Bushing		44410037
Bearing Bushing	D 70/85X57	44410039
Cover Lining		44410045
Support Bushing		44410047
Support Bushing For Housing		44410049

2.1 CARBIDE WEAR PARTS

Item	Description	CBO Number
Base Plate	DN 250 (10")	44410887
Base Plate	DN 180/200/230	44410889
Wear Insert	DN 220 ,Right Hand Side	44410891
Cutting Ring	DN 210	44410893
Wear Insert	DN 230	44410895
Wear Insert	DN 220 ,Left Hand Side	44410897
Cutting Ring	DN 220	44410899
Cutting Ring	DN 230	44410905
Wear Plate Large	9"	44410901
Wear Plate Large	10"	44410903
Wear Plate Small	9"	44410907
Wear Plate Small	10"	44410909





2.2 PUMP KIT HOPPER

Item	Description	CBO Number
Rock Valve Unit ASSY.	DN 250/220/180	44411140
Rock Valve Unit ASSY.	DN 230/210/180	44411150
Housing	DN 250/220/180	44411142
Housing	DN 230/210/180	44411152
Cover	DN 230/210/180	44411145

2.3 ROCK VALVE & ACCS.

Item	Description	CBO Number
Rock Valve	DN 220/180 B-Rock	44410061
Rock Valve	DN 210/180 M-Rock	44410063
Rock Valve	DN 210/180	44410065
Rock Valve	DN 210/180 L	44410881
Rock Valve	DN 165/135	44410911
Slewing Shaft	B- Rock Long	44410067
Slewing Shaft	M- Rock	44410069
Slewing Shaft		44410071
Slewing Shaft		44410883
Flange Hub		44410885
Kidney Seal	DN 180	44410073
Kidney Seal	DN 135	44410075
Kidney Seal	DN 150	44410077
Kidney Seal	DN 150 (Hard Metal Part Only)	44410089
Pressure Spring	DN 210	44410079
Pressure Spring	DN 220	44410081
Pressure Spring	DN 230	44410083
Pressure Spring	DN 165	44410085
Back Up Ring	DN 210	44410087
Back Up Ring	DN220	44410091

2.4 HOPPER DOOR PARTS FOR SCHWING SP

Item	Description	CBO Number
Locking Cap	DN 250	44410093
Locking Cover		44410095
Sealing Ring	DN 250	44410097
Sealing Ring	DN 180	44410099
Sealing Ring	L- Rock	44410101
Clamp Piece	Right	44410103
Clamp Piece	Left	44410105

2.5 SLEWING CYLINDER & ACCS.

Item	Description	CBO Number
Slewing Cylinder	80/45 x185 Long	44410121
Slewing Cylinder	80/45x185 Short	44410123
Bolt	45x124	44410107
Cover		44410109
Shackle	D 8X40/50-13	44410111
Ring	A 9x45,5/51	44410113
Clamp	D 85	44410115
Bushing		44410117
Slewing Lever	DN 210/180	44410119
Cylinder Support		44410125
Slewing Pivot		44410127
Slewing Pivot		44410129
Bolt		44410131
Cylinder Pipe		44410133
Protecting Tube		44410135
Bolt		44410137
Cylinder Head		44410139
Cylinder Head		44410141
Tension Ring		44410143
Piston Rod		44410145
Rod Eye		44410147
Seal set		44410151
Valve Plug	M 20X1,5 WD	44410153



2.6 DELIVERY / MATERIAL CYLINDER

Item	Description	CBO Number
Pumping Cylinder	180X1518	44410159
Pumping Cylinder	200X2125	44410161
Pumping Cylinder	200X1600	44410163
Pumping Cylinder	230X2133	44410165
Pumping Cylinder	250X2500	44410167
Pumping Cylinder	180X1400	44410169
Pumping Cylinder	230X2000	44410171





2.7 MAIN PUMPING CYLINDERS

Item	Description	CBO Number
Drive Cylinder	120/80x2000	44410223
Drive Cylinder	125/80x2000	44410225
Drive Cylinder	130/80x2000	44410227
Drive Cylinder	120/85x2500	44410229
Drive Cylinder	110/63	44410231
Drive Cylinder	110/63	44410233
Drive Cylinder	120/80x2000	44410235
Drive Cylinder	125/80x2000	44410237
Drive Cylinder	130x2000	44410239
Drive Cylinder	120/145x2500	44410241
Pumping Cylinder Rod	80x 1892	44410243
Pumping Cylinder Rod	80x2292	44410245
Pumping Cylinder Rod	85x2792	44410247
Pumping Cylinder Rod	63x1810	44410249
Pumping Cylinder Rod	75x2292	44410251



2.8 PISTON

Item	Description	CBO Number
Delivery Piston	D180mm	44410207
Delivery Piston	D200mm	44410209
Delivery Piston	D230mm	44410211
Delivery Piston	D200mm	44410213
Delivery Piston	D200mm	44410215
Delivery Piston	D230mm	44410217
Delivery Piston	D250mm	44410219
Delivery Piston	D250mm	44410221
Connection Ring		44410199
Connection Ring		44410201
Connection Ring		44410203
Seperate Piston DN 230	D230mm	44410985
Seperate Piston DN 250	D250mm	44410987

2.9 AGITATOR PARTS

Item	Description	CBO Number
Agitator Shaft		44410301
Agitator Shaft		44410303
Agitator Shaft		44410305
Agitator Shaft		44410307
Hydraulic Motor BREL 470	BUCHER/WHITE HYD.	44410313
Hydraulic Motor OMH 500 / MS	OEM-M/S	44410319
Hydraulic Motor Shaft	BREL 470	44410315
Hydraulic Motor Shaft	OMH 500	44410321
Bearing Assembly	Drive Side	44410331
Bearing Assembly	Long Shaft	44410917
Bearing Assembly	Fixed Support	44410333
Support		44410335
Flanged Shaft		44410337
Flanged Shaft - Loung	135 mm	44410919
Bearing Cover New		44410921
Sealing Cone	D60	44410339
Bushing	D 60/68X23	44410341
Support		44410343
Supporting Cover		44410345
Flanged Shaft		44410347
Disc	85x10	44410349
Flange Bushing	D60/72/85X50/6	44410351
Disc	D60/95X5	44410353
Flanged Bearing	Closed	44410355
Flanged Bearing	Open	44410357
Sealing Cone	D40	44410359



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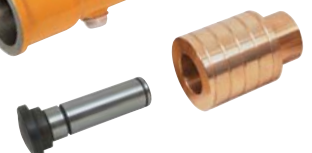
2.10 FLAT GATE VALVE

Item	Description	CBO Number
Flat Gate Valve	DN 180/55/25	44410369
Flat Gate Valve	DN 210	44410371
Sheel	DN 180/55/25	44410373
Sheel	DN 210	44410375
Guide Sleeve		44410377



2.11 PLUNGER HOUSING

Item	Description	CBO Number
Plunger Housing	Short	44410379
Plunger Housing	Long	44410381





2.12 WATER PUMP

Item	Description	CBO Number
Roller Water Pump	7560 C-KMT	44410433
Roller Water Pump	7560 N-KMT	44410439
Roller Water Pump	1502 C-KMT	44410445
Teflon Seal Set	7560	44410435
Teflon Seal Set	1502	44410447
Clutch		44410443
Clutch		44410449



2.13 DIST. GEAR BOX & ACCS.

Item	Description	CBO Number
Distributor Gear Box		44410457
Distributor Gear Box		44410457-2
Distributor Gear Box		44410457-3
Distributor Gear Box	Housing	44410951
Distributor Gear Box	Housing	44410953
Gear Shift Fork With Rod		44410459
Hollow Shaft		44410477
Drive Flange		44410479
Coupling	17.5x50x48	44410481
Coupling	22.5x50x48	44410483
Coupling	31.5x50x50	44410485
Coupling	36x50x50	44410487
Megi Cone		44410489
Drive Pinion 18 Teeth		44410491
Mounting Flange		44410493
Drive Toothed Wheel 73 Teeth		44410495
Hollow Shaft		44410497

2.14 REDUCTION PIPES



Item	Description	CBO Number
Reduced Pipe	DN 150/125 1240mm	44410541
Reduced Pipe	DN 150/125 1460mm	44410543
Reduced Pipe	DN 150/125 1500mm	44410545
Reduced Pipe	DN 180/150 1500mm	44410547
Reduced Pipe	DN 150/125 1550mm	44410549
Reduced Pipe	DN 150-150X1600 mm	44410553
Reduced Pipe	DN 150/125 1600mm	44410555
Reduced Pipe	DN 150/125 2540mm	44410559
Reduced Pipe	DN 150/125 3000mm	44410561
Reduced Pipe	DN 150/125 2500mm	44410563

2.15 DELIVERY ELBOW

Item	Description	CBO Number
Twin Elbow 90 (SUPER 2000)	90 Deg. 5,5"	44410955
Twin Elbow 45 (SUPER 2000)	45 Deg.5,5"	44410957
Twin Elbow 30 (SUPER 2000)	30 Deg.5,5"	44410959
Twin Elbow 20 (SUPER 2000)	20 Deg.5,5"	44410961
Delivery Elbow (GXMNI3CR2)	14 Deg.5,5"	44410565
Delivery Elbow (GXMNI3CR2)	20 Deg.5,5"	44410567
Delivery Elbow (GXMNI3CR2)	45 Deg.5,5"	44410569
Delivery Elbow (GXMNI3CR2)	90 Deg. 5,5"	44410571
Delivery Elbow (GXMNI3CR2)	45 Deg.6"	44410573
Delivery Elbow (GXMNI3CR2)	32,5 Deg.5,5"	44410575
Delivery Elbow (GXMNI3CR2)	50 Deg.6"	44410577
Delivery Elbow (GXMNI3CR2)	32,5 Deg.6"	44410579
Delivery Elbow With Pipe		44410581
Delivery Elbow With Pipe		44410583
Connection Bend	14 Deg DN 180	44410511
Tapered Bend	90 Deg DN 180/150	44410513
Delivery Elbow	DN 150	44410515
Delivery Elbow	DN180	44410517
Delivery Elbow	DN180	44410519
Delivery Elbow	90 Deg.5,5" R1000	44410625



2.16 CLAMPS

Item	Description	CBO Number
Clamp Coupling	5,5"	44410611
Screw Coupling	5,5"	44410613
Screw Clamp With Support	5,5"	44410615
Cup Type Coupling With Wedge	5,5"	44410617
Cup Tension Clamp With Wedge Type Lock	DN 150	44410525
Cup Type Coupling	DN 180	44410527
Round Steel Stirrup		44410619
Spring Plug		44410623
Safety Device For Cup Type Clamp		44410629
Wedge		44410529
Threaded Bolt		44410531
Screw	M 36x70 Din 933	444105311
Holding Bolt		44410533
Holding Bolt		44410535
Hinge		44410537





2.17 FLANGE & SEALING

Item	Description	CBO Number
Sealing	5,5"	44420539
Sealing	5,5"	44410609
Flange	DN 125	44410585
Flange	DN 65	44410587
Flange	DN 75	44410589
Flange	DN 85	44410591
Flange	DN 100 Female	44410593
Flange	DN 100 Male	44410595
Flange	DN 112	44410597
Flange	DN 125	44410599
Flange	DN 150	44410601
Flange	DN 125 Male	44410603
Flange	DN 125 Female	44410605



2.18 FILTERS

Item	Description	CBO Number
Filter Element		44410631
Filter Element		44410633
Filter Element		44410635
Filter Element		44410637
Filter Element		44410639
Filter Element		44410641
Filter Element		44410643
Filter Element		44410645
Filter Element		44410647
Filter Element		44410649
Filter Element		44410651
Filter Element		44410653
Filter Element		44410655
Filter Element		44410657
Filter Element Complete		44410659

2.19 REMOTE CONTROLS & VALVES

Item	Description	CBO Number
Radio Remote Control Transmitter	FW 26-2	44410781
Radio Remote Control Transmitter	FW 28-2	44410783
Carrying Belt	3040x40x1,5	44410785
Carrying Belt		44410787
Battery		44410789
Battery		44410791
Solenoid Valve		44410793
Insert Housing		44410795
Antenna		44410797
Antenna Transmitter		44410799
Potentiometer		44410801
Knob		44410803
Potentiometer		44410805
Fixture Uni Clip		44410807
Led Holder With	10mm	44410809
Flip Switch	T-O-T	44410811
Flip Switch	R-O-R	44410813
Switching Element Bottom Part		44410815
Mushroom Head Push Button Top		44410817
Emergency /Off Button		44410819
Emergency /Off Button		44410821
Concertina Walls		44410823
Flip Switch	1-0	44410825
Flip Switch	1-0-1	44410827
Flip Switch	1-0-1	44410829
Flip Switch	1-0-1	44410831
Bellows For Flip Switch With	13mm	44410833
Flip Switch	1-0-1 2 Poles	44410835
Flip Switch	0-T 1 Poles	44410837
Flip Switch	0-1	44410839
Flip Switch		44410841
Flip Switch		44410843
Potentiometer For Control Switch		44410845



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2.19 REMOTE CONTROLS & VALVES

Item	Description	CBO Number
Micro Switch Prop For Control		44410847
Micro Switch For		44410849
Rubber Toggle		44410851
Control Switch		44410853
Joy Stick	1 Axle	44410855
Joy Stick	2 Axle	44410857
Concertina Walls For Joystick		44410859
Printed Circuit Board	PS 0037	44410861
Printed Circuit Board		44410863
Joy Stick	2 Axle	44410865
Bellows	FW 24-S	44410867
Printed Circuit Board		44410869



2.20 HYDRAULIC PUMPS

Item	Description	CBO Number
Hydraulic Pump	RH A7V055LRH	44410763
Hydraulic Pump	211.09.01.03 A2FO10/61 L-PZB 06	44410765
Hydraulic Pump	A2FO 12/16L-PZB 06	44410767
Hydraulic Pump	211.12.01.10 A2FM 28/61W-PZB04	44410769
Hydraulic Pump	A4FO 28(RH)	44410771
Hydraulic Pump		44410773
Hydraulic Pump	A7V055DRG	44410775
Hydraulic Pump	A7V080LRH 1/63 (LH)	44410777
Hydraulic Pump	A7V0107 (LH)	44410779
Hydraulic Pump	31+31+11	44410961
Hydraulic Pump	A2FO23R	44410963
Hydraulic Pump	A2FO32R	44410965
Hydraulic Pump	A4FO22R	44410967
Hydraulic Pump	A11V060DRS	44410969
Hydraulic Pump	A11V095DRS	44410971
Hydraulic Pump	A11V040 DRS/10R	44410973
Hydraulic Pump	A11V0130LRDH1	44410975
Hydraulic Pump	A11VLO190LRD- H1/11R-NSD12KO4	44410978



2.21 RUBBER HOSE

Item	Description	CBO Number
End Hose	4 MT 5,5" Single Flange	44410871
End Hose	3 MT 5,5" Single Flange	44410871-3
End Hose	5 MT 5,5" Single Flange	44410871-5
End Hose	4 MT 5,5" Double Flange	44410877
End Hose	3 MT 5,5" Double Flange	44410877-3
End Hose	5MT 5,5" Double Flange	44410877-5



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2.22 CLEANING BALL

Item	Description	CBO Number
Cleaning Ball	DN 150	44410873
Cleaning Ball	DN 175	44410875
Cleaning Ball	DN 125	44410873-S
Cleaning Ball	DN 120X150	44421529
Cleaning Ball	DN 120	44422171
Cleaning Ball	DN 150X180	44422061
Cleaning Ball	DN 150	44422173
Cleaning Ball	DN 125	44422175



2.23 DELIVERY LINE PIPES

Item	Description	CBO Number
Twin Pipe	3 MT 5,5" (2+2,5mm)	44410879
Delivery Pipe	3 MT 5,5"	44410607
Raw Pipe	6 MT 5,5" ST52	44410981
Raw Pipe	3 MT 5,5" ST52	44410983

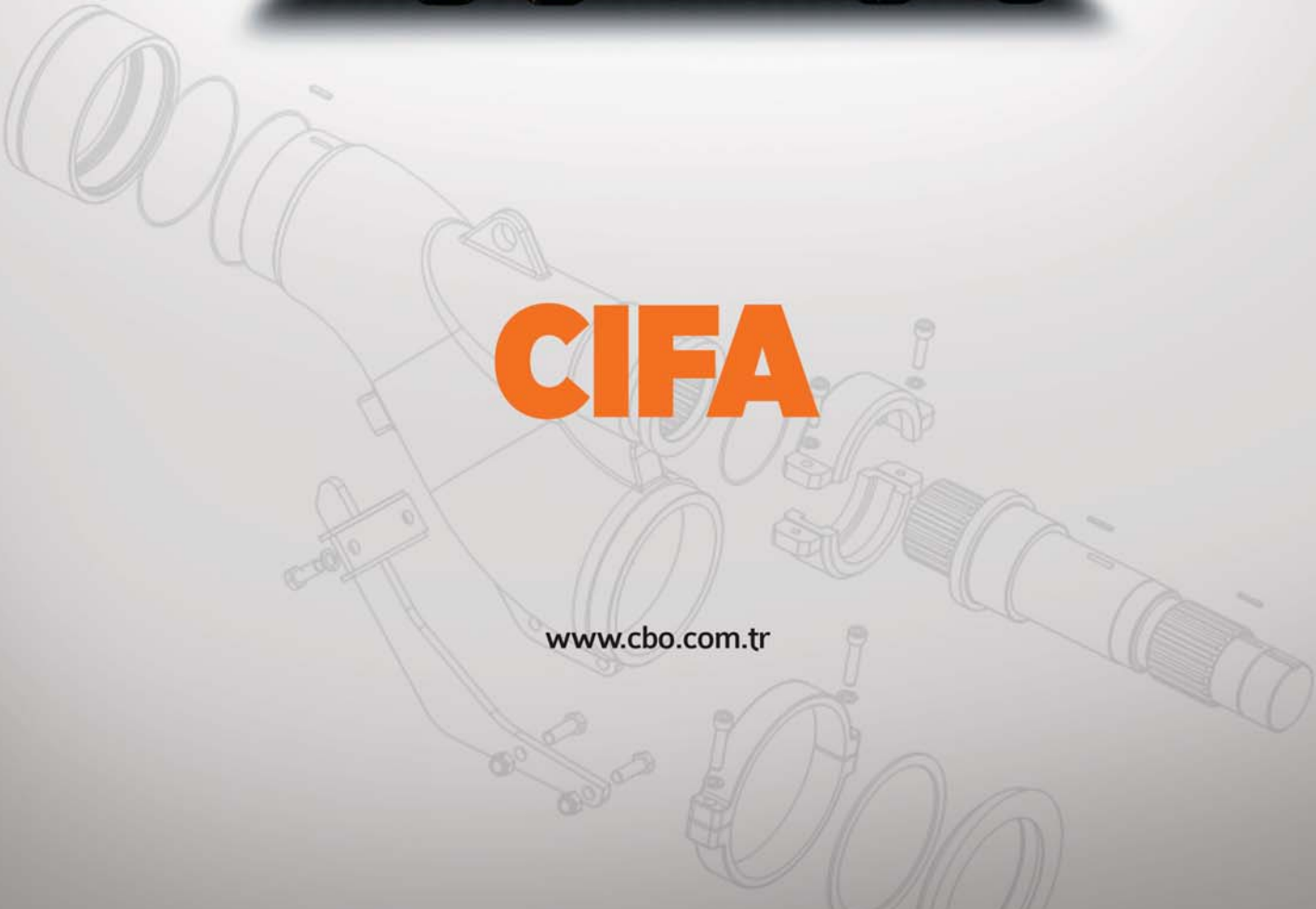




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3.1 S -TUBE & WEAR PLATES



Item	Description	CBO Number
S- Tube		44430001
S- Tube		44430301
Shaft For HPGK3		44430303
Wear Bush		44430003
Support		44430005
Support Bushing		44430007
Bushing		44430009
Ring		44430011
Flange		44430013
Lever		44430015
Lever		44430305
Spacer		44430017
Flange		44430019
Bearing		44430021
Spacer		44430023
Saffty Ring		44430025
Key		44430027
Key		44430029
Ring Nut		44430031
Collar		44430033
Collar		44430307
Half Flange		44430309
Half Flange		44430311
Compensation Ring		44430035
Rear Support		44430313
Spacer		44430315
Bronze Bushing		44430317
Bushing		44430319
Rear Cover		44430321
Wear Ring	S8 G70	44430037
Wear Ring	S8 Chrome	44430039
Wear Ring	DN 230 S9	44430281
Wear Plate	DN 200	44430041
Wear Plate	DN 200	44430043
Wear Plate	DN 230 S9	44430279





3.2 REAR HOUSING ASSEMBLY

Item	Description	CBO Number
	Cover	44430045
	Gasket	44430047
	Bearing Washer	44430049
	Support	44430051
	Junk Ring	44430053
	Spacing Ring	44430055
	Bronze Bushing	44430057
	Seal Support	44430059
	Gasket	44430061
	Ring	44430063
	Gasket	44430065
	Connection	44430067
	Cover	44430069
	Gasket	44430071
	Seal Ring	44430073
	Rear Support	44430075
	Cover	44430077
	Gasket	44430079
	Bearing	44430081
	Seal Supporting	44430083
	Bearing	44430085
		44430087

3.3 HOPPER MIXER PARTS & ACCS.

Item	Description	CBO Number
Geared Motor		44430275
Flange		44430105
Wear Ring		44430107
Gasket		44430109
Cover		44430111
Shaft		44430113
Flange		44430115
Shaft		44430117
Bearing Support		44430119
Support Shaft		44430323
Spacer		44430325
Spacer		44430327
Plate		44430329
Cover		44430331
Mixer Shaft		44430121
Mixer Paddle		44430123
Hydraulic Cylinder	40x20x95	44430333
Shutter S8		44430271
Gasket For Shutter s8		44430273



3.4 DELIVERY /MATERIAL CYLINDER

Item	Description	CBO Number
Pumping Cylinder	200x1692	44430125
Pumping Cylinder	176x1673	44430127
Pumping Cylinder	230x2200	44430129
Pumping Cylinder	230x1700	44430131
Pumping Cylinder	230X2215	44430335





3.5 MAIN PUMPING CYLINDERS

Item	Description	CBO Number
Hydraulic Cylinder	120x80x2000	44430133
Hydraulic Cylinder	120x80x2000	44430153
Hydraulic Cylinder	120x80x2000	44430169
Hydraulic Cylinder	115x70x1500	44430187
Hydraulic Cylinder	115x70x1500	44430207
Body With Guide Bush	120x80x2000	44430135
Body With Guide Bush	120x145x2096	44430155
Body With Guide Bush	120x145x2117	44430171
Body With Guide Bush	115x140x1610	44430209
Pumping Cylinder Rod	80x2320	44430137
Pumping Cylinder Rod	80x2380	44430157
Pumping Cylinder Rod	80x2395	44430173
Pumping Cylinder Rod	70x1880	44430191

3.6 RUBBER PISTONS

Item	Description	CBO Number
Delivery Piston	D230mm	44430245
Delivery Piston	D200mm	44430247
Delivery Piston	D180mm	44430337

3.7 HOPPER HYDRAULIC CYLINDER & ACCS.

Item	Description	CBO Number
Rotation Cylinder	80x55x218	44430227
Rotation Cylinder		44430339
Rotation Cylinder	80x45x205	44430341
Cylinder Barrel	80x95x270	44430229
Cylinder Barrel	80x56x218	44430343
Rod	55x430	44430231
Rod	56x422	44430345
Rod	45x418	44430347
Seal Set		44430225
Seal Set		44430243
Seal Set		44430349
Cylinder Support		44430089
Bronze Bushing		44430091
Pin		44430093
Pin		44430095
Spacer		44430097
Plate		44430351
Shock Absorb Bracket		44430099
Shock Abzorber		44430101
Shock Absorb Tie Rod		44430103

3.8 DELIVERY ELBOW

Item	Description	CBO Number
Reduction Elbow		44430243
Delivery Elbow		44430251
Delivery Elbow	90 Deg.5,5" R240/220	44430353
Delivery Elbow	90 Deg. R190	44430261
Delivery Elbow	60 Deg. 5"	44430263
Delivery Elbow	90 Deg.5,5" R190.5	44430283
Reduction Elbow	7" -6" S3000	44430285
Delivery Elbow	36 Deg. 5" R240	44430355
Delivery Elbow	42 Deg. 5"	44430357
2nd Elbow	6"	44430287
Delivery Elbow	60 Deg.	44430289
Reduction Elbow	7"- 6" S3000 New	44430291
Delivery Elbow	30 Deg.5,5"	44430295
Delivery Elbow	90 Deg. R240 Long Life Pipe	44430359
Delivery Elbow	15 Deg. R237 Long Life Pipe	44430361
Reducing pipe	6" -5" 1287mm	44430253
Reducing pipe	6"- 5" 1290mm	44430293



3.9 CLAMPS

Item	Description	CBO Number
Lever Coupling	7"	44430255
Lever Coupling	6,5"	44430257
Clamp	5"	44430259





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4.1 S-TUBE & WEAR PLATES

Item	Description	CBO Number
S-Tube		44440001
Valve Control Fork		44440007
Cover		44440029
Bushing		44440031
Support		44440027
Felt Ring		44440033
Gasket		44440035
Ring		44440037
Wear Plate	Steel Casting	44440003
Wear Plate	DURO22 Hard Face Welded	44440005
Wear ring	Steel Casting	44440015
Wear ring	DURO22 Hard Face Welded	44440017
Ring		44440025
Union	Hardface Welded	44440023
Sector		44440101
Ring		44440211
Ring Coupling		44440021
Ring		44440019
Safety Washer		44440067
Ring Nut		44440065



4.2 HOUSING PARTS

Item	Description	CBO Number
Flanged Sleeve		44440013
Flange		44440039
Main Body		44440009
Bushing		44440047
Bushing		44440041
Bushing		44440045
Coupling		44440061
Ring		44440051
Seal Ring		44440049
Gasket		44440043
Ring		44440053
Seal		44440055
Cover		44440011



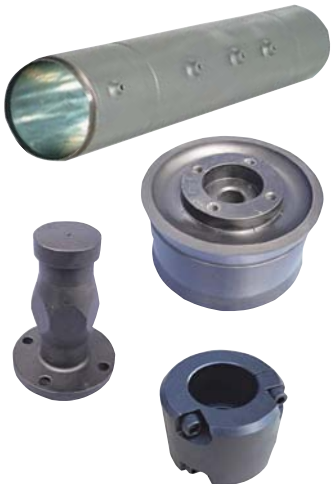
4.3 CYLINDER & ACCS.

Item	Description	CBO Number
Rotation Cylinder		44440069
Rotation Cylinder		44440201
Cylinder Tube		44440203
Piston Rod		44440205
Rod Eye		44440207
Seal Set		44440209
Pin		44440057
Pin		44440059



4.4 MAIN PUMPING CYLINDERS

Item	Description	CBO Number
Hydraulic Cylinder	125x80	44440073
Hydraulic Cylinder	140x90	44442075
Cylinder Tube	150x125x2090	44440075
Piston Rod	80x2368	44440077
Piston	123,7xm55x2x89	44440079
Guide Bush	127x82x126	44440081
Seal set		44440063
Seal set		44440071



4.5 PUMPING CYLINDER& PISTON RAM

Item	Description	CBO Number
Pumping Cylinder	230x2160	44440093
Piston Ram	D230mm	44440095
Connector		44440097
Coupling		44440099

4.6 HOPPER MIXER PARTS & ACCS.

Item	Description	CBO Number
Hopper		44440121
Grill		44440123
Reduction Unit		44440143
Housing		44440145
Hollow Shaft		44440147
Gear	Z53	44440149
Gear	Z31	44440151
Gear	Z10	44440153
Gear	Z10	44440155
Mixing Shaft		44440125
Mixing Paddle		44440141
Drive Pin		44440127
Drive Pin		44440129
Flange Support		44440131
Inside Flange		44440133
Gasket		44440135
Wear Ring		44440137
Support		44440139
Automotic Greasing Device		44440103
Automotic Grease Cup		44440105
Distributor		44440107
Bearing		44440173



4.7 DIST. GEAR BOX & ACCS.

Item	Description	CBO Number
Distributor Gear Box		44440213
Switch Fork		44440111
Sliding Clutch		44440113
Spur Whells		44440115
Coupling Piece		44440117
Bearing		44440119



4.8 WATER PUMP, ELECTRICAL PARTS, VALVES, FILTERS



Item	Description	CBO Number
Water Pump Kappa 75		44440157
Water Pump Kappa	Oem Type	44440159
Seal Set For Water Pump		44440163
Seal Set For Water Pump		44440165
Hydraulic Motor		44440167
Hydraulic Motor		44440161
Atos Valve Set		44440171
Valve		44440175
Valve		44440179
Control Block		44440091
Electric Cards		44440083
Complete Electric Box		44440085
Radio Control Battery		44440087
Electric Socked & Cards		44440089
Filter Elment		44440181
Filter Elment		44440183
Filter Elment		44440185
Filter Elment		44440187

4.9 DELIVERY ELBOW& COUPLING



Item	Description	CBO Number
Delivery Elbow		44440189
Delivery Elbow		44440191
Delivery Elbow	35 Deg.	44440197
Reduced Pipe	Old Model	44440193
Reduced Pipe	New Model	44440215
Lever Coupling		44440217
Lever Coupling		44440195

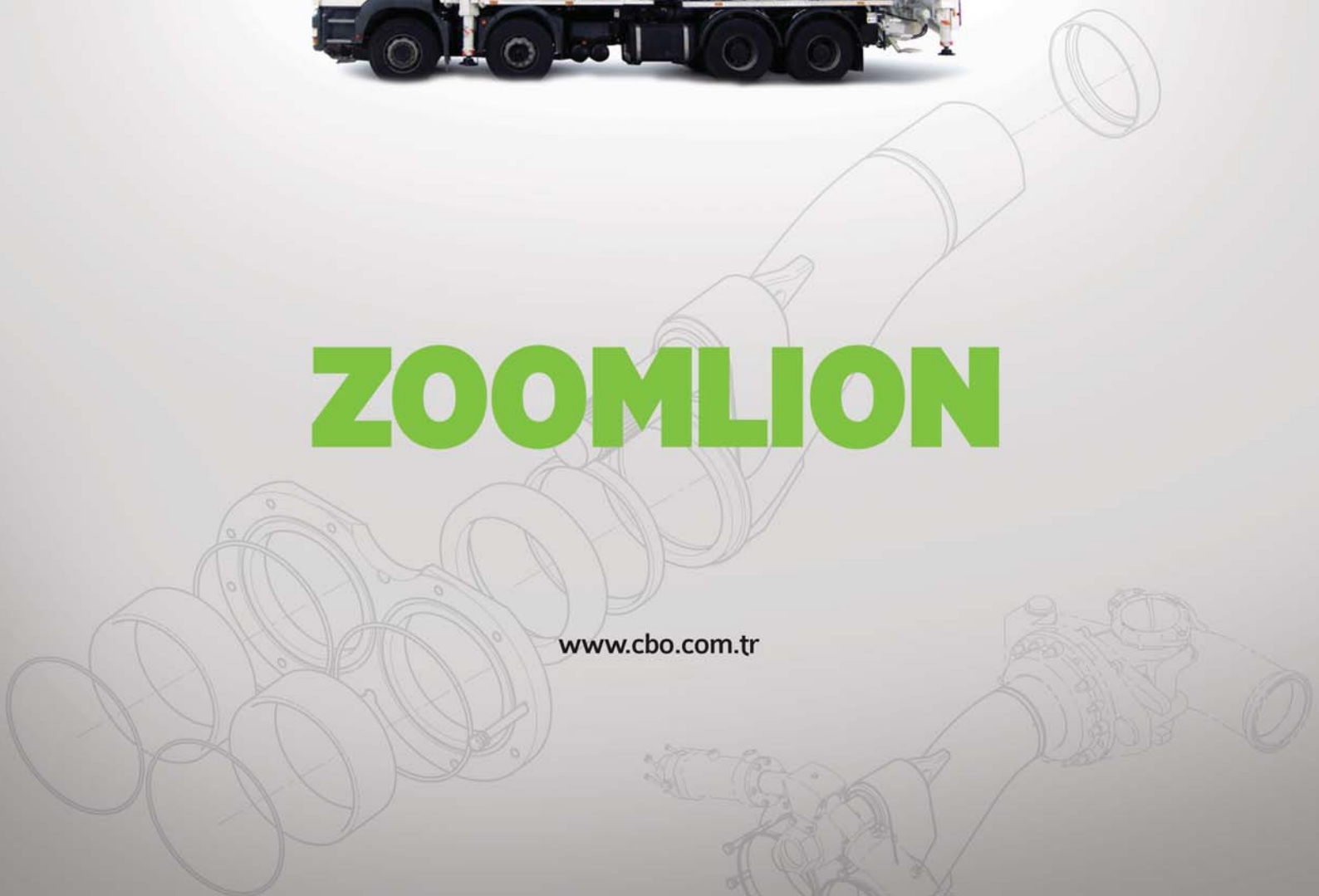
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Equivalent pressure test

Test Cycle: radial/rotary



Pressure test

Operation Pressure: 80 Bar Testing Pressure: 225-240 Bar Oil Type: ISO 32
 Pressure (Maximum Allowable): 8 Bar Class of Contamination: 13/0/7

UNI 10100:2001	Result		Notes
	Positive	Negative	
TEST DIMENSION			
Cylinder dimensional check - rod out	P		
Cylinder flow-rate -rod in	P		
HW PRESSURE TEST 500kPa+32mm+1000kpa	P		
No vibration or locking during motion	P		
Measure of total stroke	P		
No oil leak from rod seal	P		55 Celsius- oil heat
No internal leak inside the cylinder	P		55 Celsius- oil heat
No oil leak from static seal	P		
No oil leak from adjustment screws	P		
No oil leak from weld joint	P		
Check over the functionality of the end stroke cushioning	P		
HW PRESSURE TEST			
Check the structural integrity of the cylinder	P		working normal (24V)
Magnetic Sensor - working or not	P		
No oil leak from rod seal	P		
No internal leak inside the cylinder	P		
No oil leak from adjustment screws	P		
No oil leak from weld joint	P		
Check over the functionality of the end stroke cushioning	P		62 Celsius- oil heat

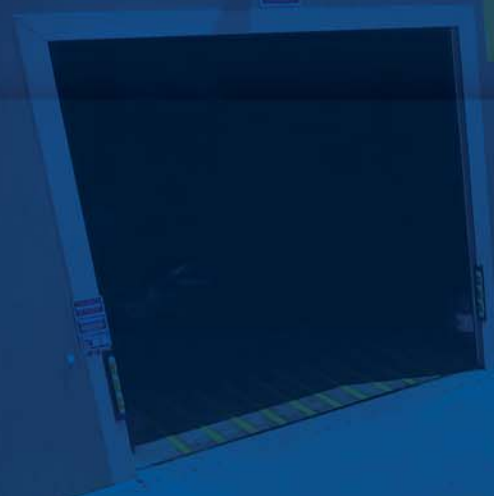


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COORDINATE MEASURING MACHINE (CMM)

UNI EN ISO 9001: 2008
 QUALITY CERTIFICATION

QUALITY
 MADE IN TURKEY



5.1 S -TUBE & WEAR PLATES

Item	Description	CBO Number
S -Tube Assembly		44480001
Shaft Sleeve		44480003
Bushing		44480005
Rubber Spring		44480007
Cutting Ring		44480009
Spectacle Wear Plate		44480011
O Ring		44480015
Transition Bushing		44480017
O Ring		44480019



5.2 HOUSING PARTS

Item	Description	CBO Number
Rocker		44480021
Ball Bearing		44480023
Bearing Pedestal		44480025
Shaft Sleeve		44480027
End Bearing		44480029
O Ring		44480031
Gasket		44480033
O Ring		44480035
Du Bearing		44480037
Yx Seal Ring		44480039
J- Dustproof Ring		44480041
O Ring		44480043
Left Swing Cylinder		44480045
Piston Rod		44480047
Piston		44480049
Guide Sleeve		44480051
Check Valf		44480053
Flange on Top of Cylinder		44480055
Repair Kit		44480057





5.3 DISTRIBUTION VALVE

Item	Description	CBO Number
Outlet		44480059
Inclined Blcok		44480061
Inclined Blcok		44480063
Bearing Pedestal		44480065
O Ring		44480067
Yx -Seal Ring		44480069
O ring		44480071
Gasket		44480073
Bearing		44480075
J-Dustproof Ring		44480077



5.4 HOPPER MIXER PARTS & ACCS.

Item	Description	CBO Number
Half Shaft 1		44480081
Half Shaft 2		44480083
Bushing		44480085
Wearable Sleeve		44480087
Blade 1		44480089
Blade 2		44480091
Spacer Flange		44480093
L-Type Gasket Ring		44480095
Spacer Bush		44480097
O ring		44480099
Pressure Cover		44480101
Shim		44480103
Bearing Pedestal 2		44480105
Centering Roller Bearing		44480107
Shaft Sleeve		44480109
Washer		44480111
Nut		44480113
Washer		44480115
Cover		44480117



TRUCKMIXER

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EXPORTING IN MORE THAN 62 COUNTRIES

HYUNDAI



6.2 CONTROL BOX & ACCS.

Item	Description	CBO Number
Control Box	Double Lever	44450061
Control Box	Double Lever LIEBHEER Type Long Lever	44450061-L
Control Box	Single Lever	44450063
Control Box	Single Lever LIEBHEER Type Long Lever	44450063-L
Control Box	IMI Double Rack Lever 70/70 MF	44450561
Control Box	IMI Single Rack Lever 70 MF	44450563
Single Control Box Tooth Rack		44450064
Handle For Single Control Box		44450565



6.3 CABLES

Item	Description	CBO Number
Cable	5 MT Control Gas Cable V8	44450065
Cable	5,5 MT Control Gas Cable V8	44450067
Cable	6 MT Control Gas Cable V8	44450069
Cable	6,5 MT Control Gas Cable V8	44450071
Cable	7 MT Control Gas Cable V8	44450073
Cable	7,2 MT Control Gas Cable V8	44450075
Cable	7,5 MT Control Gas Cable V8	44450077
Cable	7,7 MT Control Gas Cable V8	44450079
Cable	8 MT Control Gas Cable V8	44450081
Cable	8,5 MT Control Gas Cable V8	44450083
Cable	9 MT Control Gas Cable V8	44450085
Cable	10 MT Control Gas Cable V8	44450087
Cable	12 MT Control Gas Cable V8	44450089
Operation Cable	7,3 MT Operation Cable	44455081
Operation Cable	7,5 MT Operation Cable	44455083
Operation Cable	5,6 MT Operation Cable	44455085
Operation Cable	5,4 MT Operation Cable	44455087
Operation Cable	7,1 MT Operation Cable	44455089
Operation Cable	6 MT Operation Cable	44455091
Operation Cable	7,3 MT Operation Cable	44455093
Operation Cable	7,8 MT Operation Cable	44455095
Operation Cable	9,2 MT Operation Cable	44455097

6.4 ROLLER & ACCS.

Item	Description	CBO Number
Roller Complete	280x110x90 9M3 Dia 35mm	44450065
Roller Complete	280x160x90 Dia 50mm	44450093
Roller Complete	220x110x90 Dia 35mm	44450095
Roller Complete	250x160x110 Dia 50mm	44450097
Roller Complete	250x130x120 Dia 40mm	44450099
Roller Complete	250x110x90 Dia 35mm	44450101
Roller Complete	280x160x110 Dia 50mm	44450103
Roller Complete	200x110x105 Dia 35mm	44450105
Roller Complete	245x130x120 Dia 40mm	44450107
Roller Complete	200x160x110 Dia 50mm	44450239AS
Roller Complete	280x110x110 Dia 35mm	44450401
Roller Complete	250x160x100 Dia 50mm	44450405
Roller Complete	280x160x110 Dia 50mm	44450409
Roller Complete	254x104x102 9M3 Karrena	44450413
Roller Complete	260x110x90 Dia 50mm	44450465
Roller External	280x110x90	44450109
Roller External	280x160x90	44450111
Roller External	220x110x90	44450113
Roller External	250x160x110	44450115
Roller External	250x130x120	44450117
Roller External	250x110x90	44450119
Roller External	280x160x110	44450121
Roller External	200x110x105	44450123
Roller External	245x130x120	44450125
Roller External	200x160x110	44450239
Roller External	280x110x110	44450403
Roller External	250x160x100	44450407
Roller External	280x160x110	44450411
Roller External	254x104x102	44450415
Roller External	200x110x100	44450419
Roller External	250x130x92	44450423
Roller External	250x130x110	44450427
Roller External	250x160x90	44450431
Roller External	200x160x90	44450435
Bush Set	DN 110	44450131
Bush Set	DN 130	44450127
Bush Set	DN 160	44450129
Cover	DN 110	44450133
Cover	DN 130	44450137
Cover	DN 160	44450135
Roller Seal	DN 130	44450139



6.5 CHUTE HANDLES



Item	Description	CBO Number
Chute Hydraulic Complete		44450141
Hose	3/8 R2 AT	44450142
Tank 1 Lt Alimimum		44450143
Tank 1 Lt Plastic		44450145
Hydraulic Cylinder For Chute Mixer		44450147
Hydraulic pump		44450149
Chute Handle Mechanic LB		44450153
Chute Handle Mechanic ST		44450155
Chute Handle Mechanic		44450157
Chute Handle Mechanic IMI		44450151
Hydarulic Cylinder Kit		44450147K

6.6 MIXER FAN & PARTS



Item	Description	CBO Number
Oil Cooler Complete For Transmixer		44450159
Fan For Oil Cooler		44450161
Fan For Oil Cooler 4 Wings		44450163
Fan For Oil Cooler 3 Wings		44450165
Filter Complete		44450167
Filter Main Body		44450169
Filter Cartridge		44450171
Filter Cap		44450173
Mixer Oil Cooler Filter		44450175
Cifa Filter		44450177

6.7 MIXER GEARBOX, HYDRAULIC PUMP

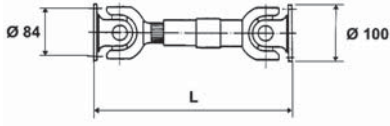


Item	Description	CBO Number
PM70 Model Gearbox		44450181
PM80 Model Gearbox	12 WP Max:12m3	44450183
SPV23 Hydraulic Pump	SPV 23 MHRDBC18C1000 -23 TEETH (CW)	44450185
SMP23 Hydraulic Motor		44450187
Hydarulic Pump	A4VTG71	44450489
Hydarulic Pump	A4VGT90HW/32R-NLF10F001S	44450491
SPV23 Repair Kit		44450189
SMP23 Repair Kit		44450191

6.8 TRUCK MIXER SPARE PARTS & ACCS.

Item	Description	CBO Number
V Chute		44450193
Filling Chute		44450195
Discharge Chute		44450197
Chute Short		44450199
Extension Chute		44450201
Chute Holder		44450203
Fiber For Chutes		44450205
Seal For V Chute		44450207
Balance Ball		44450209
Bearing	FAG	44450211
Bearing	FAG	44450213
Bearing	FAG	44450215
Bearing	FAG	44450217
Mixer Felt	113x150x12/13,5	44450219
Mixer Felt	110x160x13/49	44450221
Mixer Felt	125x180x13/49	44450223
Mixer Felt	145x215x14/65	44450225
Roller Bearing	Dia 110	44450227
Roller Bearing	Dia 160	44450229
Roller Bearing	Dia 130	44450231
Water Meter	500 Lt	44450233
Water Meter	500 Lt Batching Plant Electric	44450234
Water Meter	1000 Lt	44450235
Coupling		44450237
Extension Chute Step		44450477
Chute Lock		44450479
Plastic Roller Cover		44450481
U Bolts	125/240 M20	44450483-1
U Bolts	7M3 90x230 M20	44450483-2
U Bolts	115/175 M20X1,5	44450483-3
Coupling SPV23 -23 Teeth		44450485
Coupling SPV23 -21 Teeth		44450487
Mixer Start-Stop Switch		44450493
Switch 3 Way		44450495
Switch 4 Way		44450497
Mixer Electric Control Box		44450499





6.9 PROPELLER SHAFT

Item	Description	CBO Number
Propeller Shaft	217mm 6 Holes	44450501
Propeller Shaft	255mm 6 Holes	44450503
Propeller Shaft	310mm 6 Holes	44450505
Propeller Shaft	375mm 6 Holes	44450507
Propeller Shaft	410mm 6 Holes	44450509
Propeller Shaft	420mm 6 Holes	44450511
Propeller Shaft	435mm 6 Holes	44450513
Propeller Shaft	450mm 6 Holes	44450515
Propeller Shaft	470mm 6 Holes	44450517
Propeller Shaft	550mm 6 Holes	44450519
Propeller Shaft	600mm 6 Holes	44450521
Propeller Shaft	650mm 6 Holes	44450523
Propeller Shaft	700mm 6 Holes	44450525
Propeller Shaft	800mm 6 Holes	44450527
Propeller Shaft	850mm 6 Holes	44450529
Propeller Shaft	900mm 6 Holes	44450531
Propeller Shaft	1000mm 6 Holes	44450533
Propeller Shaft	1100mm 6 Holes	44450535

CEMENT TRUCK COMPRESSORS



DIESEL TYPE



ELECTRIC TYPE

STANDARD FEATURES

- High efficient special developed direct coupled system for pneumatic transportation.
- 3.0 bar maximum discharge pressure.
- Two different air flow choice with two motor powers: 18,5 kw or 22 kw.
- 4 cylinder diesel engine use as standard.
- Nodular cast iron made, special grinding crank.
- Vibration free work by special balanced crank.
- GG 22 cast iron made crank case.
- GG 26 cast iron made cylinder and cylinder head.
- Special developed valve system.
- Oiled Air Suction Filter.
- CE marked protective visor.
- Special alloyed aluminium piston.
- Special designed safety valve.
- Manometer for outlet pressure.
- Factory oil fill.
- Oil level indicator.
- Needle roller bearing system.
- Crank coupled high efficient cooling system.
- Star-Delta control panel.
- After cooler.

CBO	MODEL	AIR FLOW (lt/min)	STAGE NUMBER	ROTATION SPEED (rpm)	PRES-SURE (bar)	POWER		PISTON DIAMETER (mm)	STROKE (mm)	WEIGHT (kg)
						kw	Hp			
4447002	SB 3-160	7.200	1	1.500	2,5/3,5	18,5	25	3x160	80	480
4447003	SB 2-220	10.200	1	1.500	2,5/3,5	22	30	2x220	90	500
4447001	SB 3-160 DIESEL	7.200	1	1.500	2,5/3,5	80 HP		3x160	80	760
4447005	SB 2-220 DIESEL	10.200	1	1.500	2,5/3,5	80 HP		2x220	90	800

Air flows mentioned according to ISO 1217 standard at 20° C ambient temperature and 1 bar inlet pressure. Air flow Tolerance: +/- 6%

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CBO

INDUSTRY MACHINERY &
TRADE LIMITED COMPANY

QUALITY PARTS. EXPERT SERVICE.
CBO Forever Forward.



COBANOGLU Automotive Trade Co. Ltd, who is engaged in production of spare parts for concrete Pumps and Heavy Duty Machines, has been serving, for more than many years, to the Internal Markets and in particular, foreign markets. It has already proven its quality through great experience acquired by means of manufacturing activities performed for long years, with its dynamic, well-trained personnel.

COBANOGLU Automotive offers the accustomed consumers the spare parts for the concrete pumps and working machines of the leading manufactures of the world, under most suitable terms and conditions.

Having made known its name and reputation abroad beside the domestic markets, through its achievements and reliability in manufacturing business, COBANOGLU Automotive has been rendering good services to many foreign countries, mainly being to Europe, North Africa, North America, Latine Area and Middle East over 62 countries.

Our firm has adopted as its main goals to practice always its principle of never conceding product quality in manufacturing stage either, which is an established principle of the firm; to import, at even high cost, the materials that have crucial significance in production, instead of taking the course of cheap material supply, so as to keep its high quality always at the zenith.

COBANOGLU Automotive, which continues its manufacturing activities at KONYA 4th Industrial Zone keeps selling the spare parts it makes at the same location, too.



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AUTOMOTIVE INDUSTRY & TRADE CO. LTD.

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No:14 42300 Selcuklu-Konya/TURKIYE

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