

## Section 18

# Hydraulic Actuation

PAGE

1 Hydraulic Cylinder Range



PAGE

3 Hi Force Hydraulic Tooling



PAGE

5 Roquet Hydraulic Gear Pumps



PAGE

5 Brevini Low Speed High Torque Orbital Motors



**Hi-Force**  
HYDRAULIC TOOLS

*Roquet*  
making moves

 **brevini**  
fluid power





### D/A Hydraulic Cyl - 25 B - 16 R - 50 to 200 St - 12.1 Dia Pin

ST Quick Code: **5299**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G1/4" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
25B/16R/001	160	50	74.94
25B/16R/002	210	100	78.60
25B/16R/003	260	150	87.96
25B/16R/004	310	200	90.78

### D/A Hydraulic Cyl - 32 B - 20 R - 50 to 500 St - 16.2 Dia Pin

ST Quick Code: **5300**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G1/4" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
32B/20R/001	205	50	88.56
32B/20R/002	255	100	92.01
32B/20R/003	305	150	94.11
32B/20R/004	355	200	100.26
32B/20R/005	405	250	102.72
32B/20R/006	455	300	105.54
32B/20R/007	555	400	114.72
32B/20R/008	655	500	119.94

### D/A Hydraulic Cyl - 40 B - 25 R - 100 to 800 St - 20.25 Dia Pin

ST Quick Code: **5301**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
40B/25R/001	270	100	100.38
40B/25R/002	320	150	104.55
40B/25R/003	370	200	108.78
40B/25R/004	420	250	112.98
40B/25R/005	470	300	117.18
40B/25R/006	570	400	125.61
40B/25R/007	670	500	134.01
40B/25R/008	770	600	142.38
40B/25R/009	870	700	150.84
40B/25R/010	970	800	159.24

### D/A Hydraulic Cyl - 50 B - 30 R - 100 to 1000 St - 25.25 Dia Pin

ST Quick Code: **5302**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
50B/30R/001	300	100	123.15
50B/30R/002	350	150	128.46
50B/30R/003	400	200	133.74
50B/30R/004	450	250	139.08
50B/30R/005	500	300	144.39
50B/30R/006	600	400	154.98
50B/30R/007	700	500	165.60
50B/30R/008	800	600	176.25
50B/30R/009	900	700	186.84
50B/30R/010	1000	800	197.46
50B/30R/011	1100	900	208.05
50B/30R/012	1200	1000	218.70



**D/A Hydraulic Cyl - 60 B - 30 R - 100 to 700 St - 25.25 Dia Pin**

ST Quick Code: **5303**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges .



Part Number	Closed Cts	Stroke (mm)	Price
60B/30R/001	300	100	141.27
60B/30R/002	350	150	146.88
60B/30R/003	400	200	152.49
60B/30R/004	450	250	158.10
60B/30R/005	500	300	163.68
60B/30R/006	550	350	169.29
60B/30R/007	600	400	174.90
60B/30R/008	650	450	180.51
60B/30R/009	700	500	186.12
60B/30R/010	800	600	197.28
60B/30R/011	900	700	208.47

**D/A Hydraulic Cyl - 60 B - 35 R - 200 to 1000 St - 25.25 Dia Pin**

ST Quick Code: **5304**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8 Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges .



Part Number	Closed Cts	Stroke (mm)	Price
60B/35R/001	400	200	158.34
60B/35R/002	500	300	171.06
60B/35R/003	600	400	183.78
60B/35R/004	700	500	196.50
60B/35R/005	800	600	209.19
60B/35R/006	900	700	221.94
60B/35R/007	1000	800	234.66
60B/35R/008	1100	900	247.38
60B/35R/009	1200	1000	260.07

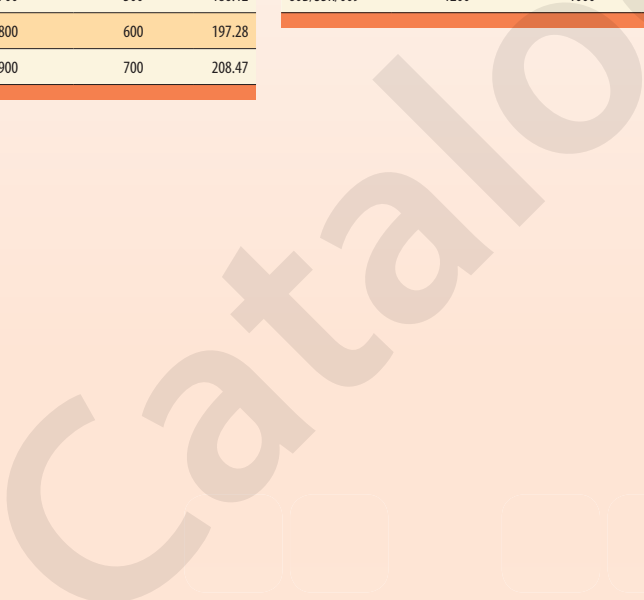
**D/A Hydraulic Cyl - 70 B - 40 R - 200 to 900 St - 30.25 Dia Pin**

ST Quick Code: **5305**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges .



Part Number	Closed Cts	Stroke (mm)	Price
70B/40R/001	410	200	193.20
70B/40R/002	460	250	201.24
70B/40R/003	510	300	209.28
70B/40R/004	560	350	217.38
70B/40R/005	610	400	225.42
70B/40R/006	660	450	233.52
70B/40R/007	710	500	241.53
70B/40R/008	810	600	257.61
70B/40R/009	910	700	273.72
70B/40R/010	1010	800	289.77
70B/40R/011	1110	900	305.85





## D/A Hydraulic Cyl - 80 B - 40 R - 200 to 1000 St - 30.25 Dia Pin

ST Quick Code: **5306**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G3/8" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
80B/40R/002	410	200	238.95
80B/40R/003	460	250	248.37
80B/40R/004	510	300	257.76
80B/40R/005	560	350	267.18
80B/40R/006	610	400	276.60
80B/40R/007	710	500	295.38
80B/40R/008	810	600	314.16
80B/40R/009	910	700	332.94
80B/40R/010	1010	800	351.75
80B/40R/011	1110	900	370.47
80B/40R/012	1210	1000	389.28

## D/A Hydraulic Cyl - 100 B - 50 R - 200 to 1000 St - 30.25 Dia Pin

ST Quick Code: **5307**

Max W.P 210 Bar (Cont.) 250 Bar (Int.) 0.5 Mts / Sec Velocity +80 DegreesC to -25 DegreesC Temp Range G1/2" Ports - F/Male ST52.3 - DIN2393 - ISO H9 Tube Steel UNI C45 - 25 MICRON (EN8 GRADE) Chromed Rod Contact Sales office for Other Sizes & Ranges



Part Number	Closed Cts	Stroke (mm)	Price
100B/50R/001	425	200	341.04
100B/50R/002	525	300	371.34
100B/50R/003	625	400	401.61
100B/50R/004	725	500	431.82
100B/50R/005	925	700	492.33
100B/50R/006	1125	900	552.90
100B/50R/007	1225	1000	583.17

## Manual Hand Pump - 1 & 2 Stage - 1 to 5 Lts Capacity

SU Quick Code: **5308**

C/w External Release Valve 2 Speed Change over at 14 Bar Other Products and Accessories Available Within This Range



Part Number	Capacity Its	Type	Price
HP110	1.0	1-Stage	178.50
HP227	2.3	2-Stage	380.46
HP257	5.0	2-Stage	533.46
HP212	1.0	2-Stage	281.52
HP232	2.0	2-Stage	391.68
HP252	5.0	2-Stage	549.78

## Air Driven Pump - Single Stage - 700 Bar - 2.4 & 5Lts Capacity

SU Quick Code: **5309**

Portable 7 Bar Compressed Air Supply C/w 2 Way Control Valve Other Products and Accessories Available Within This Range



Part Number	Capacity Its	Price
AHP1120	2.4	617.10
AHP1121	5.0	699.72

## Hydraulic Steel Bottle Jack - 3 to 50 Tonne - 135 to 195mm Stroke

SV Quick Code: **5310**

Up to 16 Tonnes Features a Screw Extension Other Products Available Within This Range



Part Number	Tonne (F)	Stroke (mm)	Price
JSS35	3.0	135	99.00
JSS55	5.0	135	113.40
JSS106	10	174	142.20
JSS166	16	178	169.20
JSS207	20	190	264.60
JSS327	32	190	207.06
JSS507	50	195	321.30

## Hydraulic Jack - 10 to 20 Tonne - Compact - 35 & 41mm Stroke

SU Quick Code: **5311**

For Confined Spaces 360 Degrees Pump Mechanism Spring Return Actuation Other Products Available Within This Range



Part Number	Tonne (F)	Stroke (mm)	Price
JCS10	10	35	619.14
JCS20	20	41	769.08



### Hydraulic Jack - 10 Tonne - Aluminium - 75 & 125mm Stroke

SU Quick Code: 5312

Multi Purpose / Multi Position Jack Spring Return Actuation Light Weight Aluminium Jack Other Products Available Within This Range



Part Number	Tonne (F)	Stroke (mm)	Price
JAS103	10	75	563.04
JAS105	10	125	607.92

### Hydraulic Jack - 20 to 60 Tonne - Aluminium - 152 & 305mm Stroke

SU Quick Code: 5313

C/w Plain Piston Light Weight Aluminium Jack Other Products Available Within This Range



Part Number	Tonne (F)	Stroke (mm)	Price
JAH620	20	152	918.00
JAH1220	20	305	1229.10
JAH630	30	152	1042.95
JAH1230	30	305	1596.30
JAH660	60	152	1675.78

### Low Height S/A Pad Cyl 4.5 to 50 Tonne - 10 to 16mm Stroke

SU Quick Code: 5314

Spring Return Nitro Carborised Piston Rod Low Friction Bearing Surfaces Anti Extrusion Seals



Part Number	Tonne (F)	Stroke (mm)	Price
HPS51	4.5	16	193.80
HPS100	10	10	201.96
HPS200	20	11	246.84
HPS300	32	12	315.18
HPS500	50	15	379.44

### Low Height S/A Cyl - 10 to 50 Tonne - 40 to 60mm Stroke

SU Quick Code: 5315

Spring Return Nitro Carborised Piston Rod Low Friction Bearing S/faces Anti Extrusion Seals



Part Number	Tonne (F)	Stroke (mm)	Price
HLS101	10	40	205.02
HLS201	20	44	249.90
HLS302	32	60	325.38
HLS502	50	60	343.74

### S/A Cylinder - Solid Piston - 10 to 109 Tonne - 56 to 250mm Stroke

SU Quick Code: 5316

Spring Return - Mulit Purpose Cylinder Nitro Carborised Piston Rod Low Friction Bearing S/faces Anti Extrusion Seals Other Products Available in This Range



Part Number	Tonne (F)	Stroke (mm)	Price
HSS102	10	56	204.00
HSS104	10	100	245.82
HSS106	10	150	279.48
HSS1010	10	250	397.80
HSS256	25	150	452.88
HSS506	50	152	678.30
HSS1006	109	153	1313.76

### S/A Hollow Piston Cylinder - 11 to 61 - Tonne 50 & 76mm Stroke

SU Quick Code: 5317

Spring Return Nitro Carborised Piston Rod Low Friction Bearing S/faces Anti Extrusion Seals Other Products Available in This Range



Part Number	Tonne (F)	Stroke (mm)	Price
HHS102	11	50	383.52
HHS202	23	50	451.86
HHS302	33	50	551.82
HHS603	61	76	976.14



## Hydraulic Gear Pump - Group One - 1 to 6.6 CC/Rev

SW Quick Code: **5318**

20-80 cst at 50 DegreesC -20 Degrees to +80 Degrees Operating Temp 1:8 Tapered Shaft c/w M7 Nut 4 Bolt Flange 52.5x72 Cts



New



Part Number	Int.P (Bar)	Cont.P (Bar)	CC/Rev	Price
1L01.5DE10R	300	275	1.0	80.73
1L03DE10R	300	275	2.0	82.71
1L05DE10R	275	240	3.3	85.64
1L07.56DE10R	200	185	5	88.61
1L010DE10R	150	135	6.6	92.25

## Hydraulic Gear Pump - Group Two - 4 to 25 CC/Rev

SW Quick Code: **5319**

20-80 cst at 50 DegreesC -20 Degrees to +80 Degrees Operating Temp 1:8 Tapered Shaft c/w M12 Nut 4 Bolt Flange 71.5x96 Cts



New



Part Number	Int.P (Bar)	Cont.P (Bar)	CC/Rev	Price
1L6DE10R	300	275	4.0	114.21
1L96DE10R	300	275	6.0	114.21
1L12DE10R	300	275	8.0	116.12
1L16DE10R	300	275	10.6	118.60
1L18DE10R	300	275	12.0	122.67
1L22DE10R	275	250	14.6	122.67
1L24DE10R	275	250	16	127.28
1L27DE10R	250	225	18.0	127.28
1L35DE10R	190	175	23.3	133.16
1L40DE10R	190	175	26.6	149.29

## Hydraulic Gear Pump - Group Three - 18 to 56 CC/ Rev

SW Quick Code: **5320**

20-80 cst at 50 DegreesC -20 Degrees to +80 Degrees Operating Temp 1:8 Tapered Shaft c/w M14 Nut 4 Bolt Flange 98.5x128 Cts



New



Part Number	Int.P (Bar)	Cont.P (Bar)	CC/Rev	Price
1PLA27DE10R	275	250	18.0	272.25
1PLA36DE10R	275	250	24.0	273.22
1PLA45DE10R	275	250	30.0	280.22
1PLA54DE10R	250	225	36.0	290.21
1PLA66DE10R	250	200	44.0	292.95
1PLA75DE10R	225	175	50.0	299.25
1PLA84DE10R	200	175	56.0	302.83

## Brevini - BGM - Low Speed High Torque Orbital Motors 16Nm to 49Nm

SX Quick Code: **5321**

P.Max (cont): 140 bar. Max Flow (cont): 20 l/ min.



New



Part Number	CC/Rev	Max torque (cont)	Price
BGM11C00001	12.9	16 Nm	156.69
BGM12C00001	20	25 Nm	152.78
BGM13C00002	31.8	39 Nm	154.80
BGM14C00001	40.1	50 Nm	167.69
BGM15C00001	50	49 Nm	179.62

## Brevini - BG - Low Speed High Torque Orbital Motors 91Nm to 300Nm

SX Quick Code: **5322**

P.Max (cont): 165 bar. Max Flow (cont): 60 l/ min.



New



Part Number	CC/Rev	Max torque (cont)	Price
BG1S1A00001	47.8	91 Nm	198.07
BG1S2A00001	71.9	135 Nm	201.74
BG1S3A00001	100.1	190 Nm	202.68
BG1S4A00001	127.2	240 Nm	207.14
BG1S5A00001	165.3	300 Nm	208.89
BG1S6A00001	192.4	300 Nm	217.01
BG1S7A00001	239.1	300 Nm	225.90
BG1S8A00001	286.9	300 Nm	233.55
BG1S9A00001	382.5	300 Nm	266.31