

North America | Europe

CATALOG

TAIZHOU ETERNAL HYDRAULIC MACHINE CO.,LTD.

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台州永畅液压机械有限公司
TAIZHOU ETERNAL HYDRAULIC MACHINE CO.,LTD.

■ DESIGN

Our specialized staff is at your disposal for technical consultancy relating your project and the best type of materials to use based on your application. We mostly work "on drawing", preparing personalized projects according to customer needs.

Once the project is defined, we produce our technical drawing by CAD 2D-3D systems and supply it to our customer for approval.



■ RAW MATERIALS

An accurate raw materials and seals selection brings to save costs and allow to produce high quality and powerful cylinders. For that reason, in the materials choice we consider the application field of our cylinder and the environment where it will work.

Specifically for chromed bars and tubes, we work only with producers or reliable suppliers.



■ CYLINDERS PRODUCTION

We produce about 120.000 cylinders per year and the whole process develops in our factory: cutting of raw materials, turning and milling machining, components and accessories welding, cylinders mounting and final testing.

All the above steps are made with latest generation CNC machines, welding robotized stations and specially made equipment.



■ CONTROL

Each step of production is controlled and its progress is monitored with “production tag” filled up by the operator at the end of each process. All cylinders are marked with product code and number of production order, in order to have a full traceability.

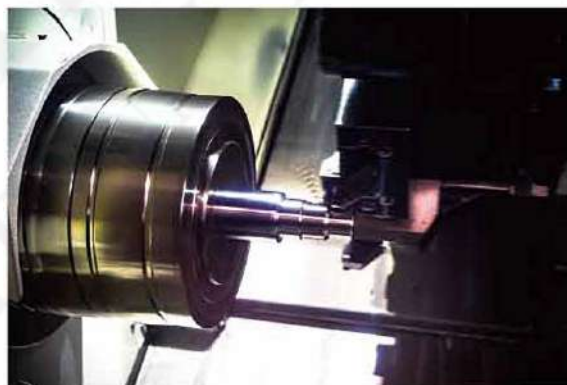
All cylinders are controlled, during the assembling for possible defects of the components used and tested with the “method of variation of pneumatic pressure” for possible leakage; by sampling, or on customer request, cylinders are hydraulically tested on pressure.



■ PRODUCTION STEPS



Cutting tubes and chromed bars



Chromed bars turning



Threaded bushes welding



Tubes turning



Bottoms and accessories welding on tubes



Welding on chromed bars



Tubes marking



Cylinders assembly



Cylinders final test



Package



Hydraulic Cylinder

The reliable high performance hydraulic cylinder

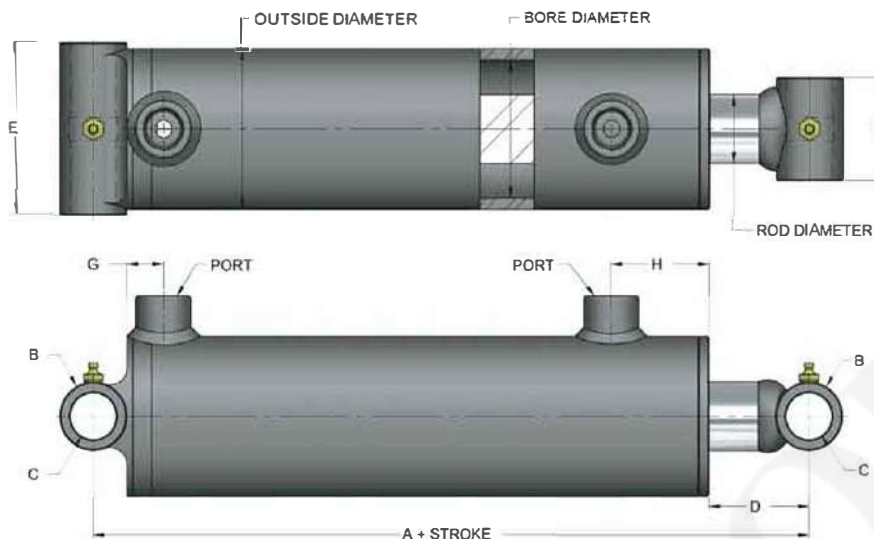
NORTH AMERICA



TAIZHOU ETERNAL HYDRAULIC MACHINE CO.,LTD.

Welded Tee Type Cylinders-WT-3000PSI	1
Welded Clevis Type Cylinders -WC-3000PSI	4
Welded Through Hole Type Cylinders-WP-3000PSI	7
Adjustable Clevis Type Cylinders-WC-3000PSI	10
Hydraulic Tie-rod Type Cylinders-TR-3000PSI	13
Inverted Telescopic Cylinders-TC-2100PSI	16
Snow Plow Hydraulic Cylinders-WP-2100PSI	17
Hydraulic Cylinder Components	18





PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD DIAMETER	A	B	C	D	E	F	G	H	PORTS
WT3015XX	1.50"	2.00"	1.875"	8.00"	1.25"	0.76"	2.62"	2.25"	2.00"	1.06"	1.87"	SAE 4
WT3020XX	2.00"	2.50"	2.375"	8.00"	1.50"	1.01"	2.25"	2.75"	2.25"	1.00"	2.06"	SAE 6
WT3025XX	2.50"	3.00"	2.875"	8.00"	1.50"	1.01"	2.25"	3.25"	2.25"	0.81"	2.18"	SAE 8
WT3030XX	3.00"	3.50"	1.50"	8.00"	1.50"	1.01"	2.25"	3.75"	2.25"	0.81"	2.18"	SAE 8
WT3035XX	3.50"	4.00"	1.75"	10.00"	2.00"	1.26"	4.00"	4.25"	2.25"	0.81"	2.18"	SAE 8
WT3040XX	4.00"	4.50"	2.00"	10.00"	2.25"	1.51"	3.75"	4.75"	2.50"	0.81"	2.18"	SAE 8
WT3050XX	5.00"	5.50"	2.50"	12.00"	3.00"	**1.76"	3.50"	5.75"	3.25"	1.25"	2.75"	SAE 12

* PIN SIZE WITH INSERT, 2" WHEN REMOVED
MAXIMUM RETRACTED WORKING PRESSURE : 3000 psi

MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE
RETRACTED AND STROKE TOLERANCE $\pm 1/8"$

WELDED BUSHING									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WT30150408	1.5" X 4"	12"	16"	1"	3/4"	SAE 4	5300	3000	8
WT30150608	1.5" X 6"	14"	20"				5300	3000	9
WT30150808	1.5" X 8"	16"	24"				5300	3000	10
WT30151008	1.5" X 10"	18"	28"				5300	3000	12
WT30151208	1.5" X 12"	20"	32"				5300	3000	13
WT30151408	1.5" X 14"	22"	36"				5300	3000	14
WT30151608	1.5" X 16"	24"	40"				5300	3000	15
WT30151808	1.5" X 18"	26"	44"				4800	2700	17
WT30152008	1.5" X 20"	28"	48"				4000	2300	18
WT30152408	1.5" X 24"	32"	56"				3000	1700	20
WT30200410	2" X 4"	12"	16"	1-1/4"	1"	SAE 6	9400	3000	12
WT30200610	2" X 6"	14"	20"				9400	3000	13
WT30200810	2" X 8"	16"	24"				9400	3000	15
WT30201010	2" X 10"	18"	28"				9400	3000	17
WT30201210	2" X 12"	20"	32"				9400	3000	19
WT30201410	2" X 14"	22"	36"				9400	3000	20
WT30201610	2" X 16"	24"	40"				9400	3000	22
WT30201810	2" X 18"	26"	44"				9400	3000	24
WT30202010	2" X 20"	28"	48"				9400	3000	25
WT30202410	2" X 24"	32"	56"				7300	2300	29
WT30202810	2" X 28"	36"	64"				5600	1700	32
WT30203010	2" X 30"	38"	68"				4900	1500	34
WT30203210	2" X 32"	40"	72"				4400	1400	35
WT30203610	2" X 36"	44"	80"				3500	1100	39
WT30204010	2" X 40"	48"	88"				2900	900	42
WT30204810	2" X 48"	56"	104"				2100	600	49

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



WELDED BUSHING									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WT30250412	2.5" X 4"	12"	16"	1-1/2"	1"	SAE 8	14700	3000	16
WT30250612	2.5" X 6"	14"	20"				14700	3000	18
WT30250812	2.5" X 8"	16"	24"				14700	3000	20
WT30251012	2.5" X 10"	18"	28"				14700	3000	22
WT30251212	2.5" X 12"	20"	32"				14700	3000	24
WT30251412	2.5" X 14"	22"	36"				14700	3000	27
WT30251612	2.5" X 16"	24"	40"				14700	3000	29
WT30251812	2.5" X 18"	26"	44"				14700	3000	31
WT30252012	2.5" X 20"	28"	48"				14700	3000	33
WT30252412	2.5" X 24"	32"	56"				14700	3000	38
WT30252812	2.5" X 28"	36"	64"				11600	2300	42
WT30253012	2.5" X 30"	38"	68"				10300	2100	45
WT30253212	2.5" X 32"	40"	72"				9200	1800	47
WT30253612	2.5" X 36"	44"	80"				7400	1500	51
WT30254012	2.5" X 40"	48"	88"				6100	1200	56
WT30254812	2.5" X 48"	56"	104"				4400	800	65
WT30300412	3" X 4"	12"	16"	1-1/2"	1"	SAE 8	21200	3000	19
WT30300612	3" X 6"	14"	20"				21200	3000	22
WT30300812	3" X 8"	16"	24"				21200	3000	24
WT30301012	3" X 10"	18"	28"				21200	3000	27
WT30301212	3" X 12"	20"	32"				21200	3000	29
WT30301412	3" X 14"	22"	36"				21200	3000	32
WT30301612	3" X 16"	24"	40"				21200	3000	34
WT30301812	3" X 18"	26"	44"				21200	3000	36
WT30302012	3" X 20"	28"	48"				20700	2900	39
WT30302412	3" X 24"	32"	56"				15200	2100	44
WT30302812	3" X 28"	36"	64"				11600	1600	49
WT30303012	3" X 30"	38"	68"				10300	1400	51
WT30303212	3" X 32"	40"	72"				9200	1300	53
WT30303612	3" X 36"	44"	80"				7400	1000	58
WT30304012	3" X 40"	48"	88"				6100	800	63
WT30304812	3" X 48"	56"	104"				4400	600	73
WT30350414	3.5" X 4"	14"	18"	1-3/4"	1-1/4"	SAE 8	28800	3000	27
WT30350614	3.5" X 6"	16"	22"				28800	3000	30
WT30350814	3.5" X 8"	18"	26"				28800	3000	33
WT30351014	3.5" X 10"	20"	30"				28800	3000	36
WT30351214	3.5" X 12"	22"	34"				28800	3000	39
WT30351414	3.5" X 14"	24"	38"				28800	3000	42
WT30351614	3.5" X 16"	26"	42"				28800	3000	45
WT30351814	3.5" X 18"	28"	46"				28800	3000	48
WT30352014	3.5" X 20"	30"	50"				28800	3000	51
WT30352414	3.5" X 24"	34"	58"				26200	2700	57
WT30352814	3.5" X 28"	38"	66"				20200	2100	63
WT30353014	3.5" X 30"	40"	70"				18000	1800	66
WT30353214	3.5" X 32"	42"	74"				16100	1600	69
WT30353614	3.5" X 36"	46"	82"				13100	1300	75
WT30354014	3.5" X 40"	50"	90"				10900	1100	81
WT30354814	3.5" X 48"	58"	106"				7800	800	94

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

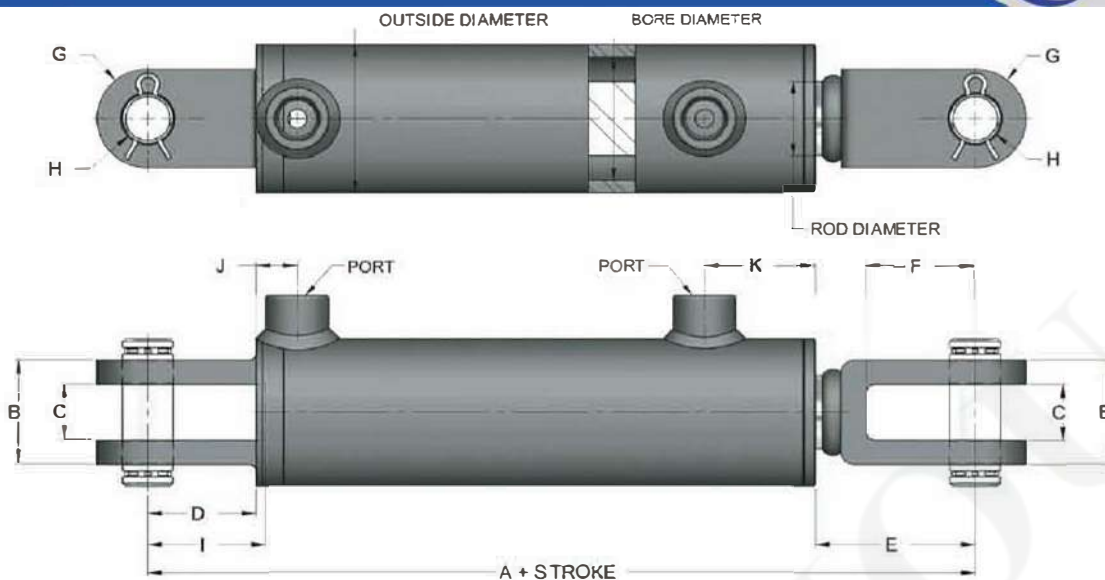


WELDED BUSHING									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WT30400416	4" X 4"	14"	18"	2"	1-1/2"	SAE 8	37600	3000	34
WT30400616	4" X 6"	16"	22"				37600	3000	38
WT30400816	4" X 8"	18"	26"				37600	3000	41
WT30401016	4" X 10"	20"	30"				37600	3000	45
WT30401216	4" X 12"	22"	34"				37600	3000	49
WT30401416	4" X 14"	24"	38"				37600	3000	52
WT30401616	4" X 16"	26"	42"				37600	3000	56
WT30401816	4" X 18"	28"	46"				37600	3000	59
WT30402016	4" X 20"	30"	50"				37600	3000	63
WT30402416	4" X 24"	34"	58"				37600	3000	70
WT30402816	4" X 28"	38"	66"				34600	2700	78
WT30403016	4" X 30"	40"	70"				30700	2400	81
WT30403216	4" X 32"	42"	74"				27500	2100	85
WT30403616	4" X 36"	46"	82"				22400	1700	92
WT30404016	4" X 40"	50"	90"				18600	1400	99
WT30404816	4" X 48"	58"	106"				13400	1000	114
WT30500420	5" X 4"	16"	20"	2-1/2"	1-3/4"	SAE 12	58900	3000	64
WT30500620	5" X 6"	18"	24"				58900	3000	69
WT30500820	5" X 8"	20"	28"				58900	3000	75
WT30501020	5" X 10"	22"	32"				58900	3000	80
WT30501220	5" X 12"	24"	36"				58900	3000	85
WT30501420	5" X 14"	26"	40"				58900	3000	90
WT30501620	5" X 16"	28"	44"				58900	3000	96
WT30501820	5" X 18"	30"	48"				58900	3000	101
WT30502020	5" X 20"	32"	52"				58900	3000	106
WT30502420	5" X 24"	36"	60"				58900	3000	116
WT30502820	5" X 28"	40"	68"				58900	3000	126
WT30503020	5" X 30"	42"	72"				58900	3000	131
WT30503220	5" X 32"	44"	76"				58900	3000	136
WT30503620	5" X 36"	48"	84"				52100	2600	147
WT30504020	5" X 40"	52"	92"				43400	2200	157
WT30504820	5" X 48"	60"	108"				31500	1600	177

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

焊接夹头式油缸-WC.3000psi WELDED CLEVIS TYPE CYLINERS-WC.3000PSI



PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD DIAMETER	*A	B	C	D	*E	F	G	H	I	J	K	PORTS*
WC3015XX	1.50"	1.875"	1.00"	8.25"	1.62"	0.87"	1.37"	2.25"	1.37"	1.50"	0.76"	-	0.93"	1.87"	SAE 4
WC3020XX	2.00"	2.375"	1.25"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	1.00"	2.06"	SAE 6
WC3025XX	2.50"	2.875"	1.50"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	0.81"	2.18"	SAE 8
WC3030XX	3.00"	3.50"	1.50"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	0.81"	2.18"	SAE 8
WC3035XX	3.50"	4.00"	1.75"	10.25"	2.37"	1.12"	2.00"	3.12"	2.12"	2.00"	1.01"	2.12"	0.93"	2.18"	SAE 8
WC3040XX	4.00"	4.50"	2.00"	10.25"	2.37"	1.12"	1.75"	3.12"	2.00"	2.00"	1.01"	2.00"	1.06"	2.18"	SAE 8
WC3050XX	5.00"	5.50"	2.50"	13.00"	3.12"	1.62"	2.25"	3.62"	2.25"	3.00"	1.51"	-	1.37"	2.75"	SAE 12

1. FOR 8" STROKE : A = 12.25" (2" TO 4" BORE)

2. FOR 8" STROKE : E = 5.12" (2" TO 4" BORE)

* NPT PORTS ARE ALSO AVAILABLE FROM 1.5" TO 4" BORE CYLINDERS

MAXIMUM RETRACTED WORKING PRESSURE : 3000psi

MAXIMUM EXTENDED WORKING PRESSURE : SEE

TABLE RETRACTED AND STROKE TOLERANCE $\pm 1/8"$

WELDED FEMALE CLEVIS TYPE

PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WC30150408	1.5" X 4"	12-1/4"	16-1/4"	1"	3/4"	SAE 4	5300	3000	8
WC30150608	1.5" X 6"	14-1/4"	20-1/4"				5300	3000	9
WC30150808	1.5" X 8"	16-1/4"	24-1/4"				5300	3000	11
WC30151008	1.5" X 10"	18-1/4"	28-1/4"				5300	3000	12
WC30151208	1.5" X 12"	20-1/4"	32-1/4"				5300	3000	13
WC30151408	1.5" X 14"	22-1/4"	36-1/4"				5300	3000	14
WC30151608	1.5" X 16"	24-1/4"	40-1/4"				5300	3000	15
WC30151808	1.5" X 18"	26-1/4"	44-1/4"				4800	2700	17
WC30152008	1.5" X 20"	28-1/4"	48-1/4"				4000	2200	18
WC30152408	1.5" X 24"	32-1/4"	56-1/4"				2900	1600	20
WC30200410	2" X 4"	14-1/4"	18-1/4"	1-1/4"	1"	SAE 6	9400	3000	14
WC30200610	2" X 6"	16-1/4"	22-1/4"				9400	3000	16
WC30200810	2" X 8"	20-1/4"	28-1/4"				9400	3000	18
WC30201010	2" X 10"	20-1/4"	30-1/4"				9400	3000	19
WC30201210	2" X 12"	22-1/4"	34-1/4"				9400	3000	21
WC30201410	2" X 14"	24-1/4"	38-1/4"				9400	3000	23
WC30201610	2" X 16"	26-1/4"	42-1/4"				9400	3000	25
WC30201810	2" X 18"	28-1/4"	46-1/4"				9400	3000	26
WC30202010	2" X 20"	30-1/4"	50-1/4"				9100	2900	28
WC30202410	2" X 24"	34-1/4"	58-1/4"				6700	2100	31
WC30202810	2" X 28"	38-1/4"	66-1/4"				5200	1600	35
WC30203010	2" X 30"	40-1/4"	70-1/4"				4600	1400	36
WC30203210	2" X 32"	42-1/4"	74-1/4"				4100	1300	38
WC30203410	2" X 34"	44-1/4"	78-1/4"				3700	1100	40
WC30203610	2" X 36"	46-1/4"	82-1/4"				3400	1000	42
WC30204010	2" X 40"	50-1/4"	90-1/4"				2800	800	45
WC30204810	2" X 48"	58-1/4"	106-1/4"				2000	600	52

* NPT PORTS ARE ALSO AVAILABLE.

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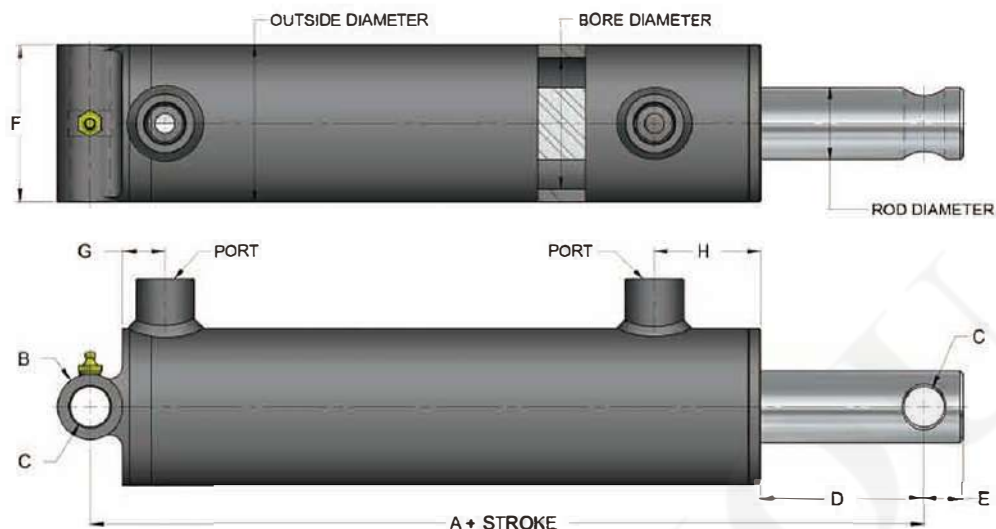
WELDED FEMALE CLEVIS TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WC30250412	2.5" X 4"	14-1/4"	18-1/4"	1-1/2"	1"	SAE 8	14700	3000	18
WC30250612	2.5" X 6"	16-1/4"	22-1/4"				14700	3000	20
WC30250812	2.5" X 8"	20-1/4"	28-1/4"				14700	3000	24
WC30251012	2.5" X 10"	20-1/4"	30-1/4"				14700	3000	25
WC30251212	2.5" X 12"	22-1/4"	34-1/4"				14700	3000	27
WC30251412	2.5" X 14"	24-1/4"	38-1/4"				14700	3000	29
WC30251612	2.5" X 16"	26-1/4"	42-1/4"				14700	3000	32
WC30251812	2.5" X 18"	28-1/4"	46-1/4"				14700	3000	34
WC30252012	2.5" X 20"	30-1/4"	50-1/4"				14700	3000	36
WC30252412	2.5" X 24"	34-1/4"	58-1/4"				14000	2800	40
WC30252812	2.5" X 28"	38-1/4"	66-1/4"				10800	2200	45
WC30253012	2.5" X 30"	40-1/4"	70-1/4"				9600	1900	47
WC30253212	2.5" X 32"	42-1/4"	74-1/4"				8600	1700	49
WC30253412	2.5" X 34"	44-1/4"	78-1/4"				7700	1500	52
WC30253612	2.5" X 36"	46-1/4"	82-1/4"				7000	1400	54
WC30254012	2.5" X 40"	50-1/4"	90-1/4"				5800	1100	58
WC30254812	2.5" X 48"	58-1/4"	106-1/4"				4200	800	67
WC30300412	3" X 4"	14-1/4"	18-1/4"	1-1/2"	1"	SAE 8	21200	3000	22
WC30300612	3" X 6"	16-1/4"	22-1/4"				21200	3000	24
WC30300812	3" X 8"	20-1/4"	28-1/4"				21200	3000	27
WC30301012	3" X 10"	20-1/4"	30-1/4"				21200	3000	29
WC30301212	3" X 12"	22-1/4"	34-1/4"				21200	3000	31
WC30301412	3" X 14"	24-1/4"	38-1/4"				21200	3000	34
WC30301612	3" X 16"	26-1/4"	42-1/4"				21200	3000	36
WC30301812	3" X 18"	28-1/4"	46-1/4"				21200	3000	39
WC30302012	3" X 20"	30-1/4"	50-1/4"				18800	2600	41
WC30302412	3" X 24"	34-1/4"	58-1/4"				14000	1900	46
WC30302812	3" X 28"	38-1/4"	66-1/4"				10800	1500	51
WC30303012	3" X 30"	40-1/4"	70-1/4"				9600	1300	53
WC30303212	3" X 32"	42-1/4"	74-1/4"				8600	1200	56
WC30303412	3" X 34"	44-1/4"	78-1/4"				7700	1100	58
WC30303612	3" X 36"	46-1/4"	82-1/4"				7000	900	61
WC30350414	3.5" X 4"	14-1/4"	18-1/4"	1-3/4"	1"	SAE 8	28800	3000	27
WC30350614	3.5" X 6"	16-1/4"	22-1/4"				28800	3000	30
WC30350814	3.5" X 8"	20-1/4"	28-1/4"				28800	3000	35
WC30351014	3.5" X 10"	20-1/4"	30-1/4"				28800	3000	36
WC30351214	3.5" X 12"	22-1/4"	34-1/4"				28800	3000	39
WC30351414	3.5" X 14"	24-1/4"	38-1/4"				28800	3000	42
WC30351614	3.5" X 16"	26-1/4"	42-1/4"				28800	3000	46
WC30351814	3.5" X 18"	28-1/4"	46-1/4"				28800	3000	49
WC30352014	3.5" X 20"	30-1/4"	50-1/4"				28800	3000	52
WC30352414	3.5" X 24"	34-1/4"	58-1/4"				26000	2700	58
WC30352814	3.5" X 28"	38-1/4"	66-1/4"				20100	2000	64
WC30353014	3.5" X 30"	40-1/4"	70-1/4"				17900	1800	67
WC30353214	3.5" X 32"	42-1/4"	74-1/4"				16000	1600	70
WC30353414	3.5" X 34"	44-1/4"	78-1/4"				14400	1500	73
WC30353614	3.5" X 36"	46-1/4"	82-1/4"				13000	1300	76

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



WELDED FEMALE CLEVIS TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (lbs)	PRESSURE (psi)	WEIGHT (lbs)
		RETRACTED	EXTENDED						
WC30400416	4" X 4"	14-1/4"	18-1/4"	2"	1"	SAE 8	37600	3000	33
WC30400616	4" X 6"	16-1/4"	22-1/4"				37600	3000	37
WC30400816	4" X 8"	20-1/4"	28-1/4"				37600	3000	42
WC30401016	4" X 10"	20-1/4"	30-1/4"				37600	3000	44
WC30401216	4" X 12"	22-1/4"	34-1/4"				37600	3000	48
WC30401416	4" X 14"	24-1/4"	38-1/4"				37600	3000	52
WC30401616	4" X 16"	26-1/4"	42-1/4"				37600	3000	55
WC30401816	4" X 18"	28-1/4"	46-1/4"				37600	3000	59
WC30402016	4" X 20"	30-1/4"	50-1/4"				37600	3000	63
WC30402416	4" X 24"	34-1/4"	58-1/4"				37600	3000	70
WC30402816	4" X 28"	38-1/4"	66-1/4"				34300	2700	77
WC30403016	4" X 30"	40-1/4"	70-1/4"				30500	2400	81
WC30403216	4" X 32"	42-1/4"	74-1/4"				27300	2100	85
WC30403416	4" X 34"	44-1/4"	78-1/4"				24600	1900	89
WC30403616	4" X 36"	46-1/4"	82-1/4"				22200	1700	92
WC30500420	5" X 4"	17"	21"	2-1/2"	1-1/2"	SAE 12	58900	3000	64
WC30500620	5" X 6"	19"	25"				58900	3000	69
WC30500820	5" X 8"	21"	29"				58900	3000	74
WC30501020	5" X 10"	23"	33"				58900	3000	79
WC30501220	5" X 12"	25"	37"				58900	3000	84
WC30501420	5" X 14"	27"	41"				58900	3000	89
WC30501620	5" X 16"	29"	45"				58900	3000	95
WC30501820	5" X 18"	31"	49"				58900	3000	100
WC30502020	5" X 20"	33"	53"				58900	3000	105
WC30502420	5" X 24"	37"	61"				58900	3000	115
WC30502820	5" X 28"	41"	69"				58900	3000	125
WC30503020	5" X 30"	43"	73"				58900	3000	130
WC30503220	5" X 32"	45"	77"				58900	3000	135
WC30503420	5" X 34"	47"	81"				56100	2800	141
WC30503620	5" X 36"	49"	85"				50900	2500	146
WC30504020	5" X 40"	53"	93"				42500	2100	156
WC30504820	5" X 48"	61"	109"				30900	1500	176



PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD DIAMETER	A	B	C	D	E	F	G	H	PORTS*
WP3015XX	1.50"	1.875"	1.00"	7.00"	1.25"	0.64"	2.43"	0.62"	2.00"	0.81"	1.87"	SAE 6
WP3020XX	2.00"	2.375"	1.25"	8.00"	1.25"	0.76"	3.37"	0.75"	2.50"	0.81"	1.87"	SAE 8
WP3025XX	2.50"	2.875"	1.37"	8.00"	1.25"	0.76"	3.12"	0.75"	3.00"	0.81"	2.06"	SAE 8
WP3030XX	3.00"	3.50"	1.50"	8.00"	1.50"	1.01"	2.56"	1.00"	3.50"	0.81"	2.18"	SAE 8
WP3035XX	3.50"	4.00"	1.75"	8.00"	1.50"	1.01"	2.43"	1.00"	4.00"	0.81"	2.18"	SAE 8
WP3040XX	4.00"	4.50"	2.00"	9.00"	2.00"	1.26"	2.43"	1.25"	4.50"	0.81"	2.18"	SAE 8

1. FOR 8" STROKE : A = 12.25" (2" TO 4" BORE)
2. FOR 8" STROKE : E = 5.12" (2" TO 4" BORE) MAXIMUM
RETRACTED WORKING PRESSURE : 3000 PSI

*NPT PORTS ARE ALSO AVAILABLE
MAXIMUM RETRACTED WORKING PRESSURE : 3000
psi MAXIMUM EXTENDED WORKING PRESSURE :
TABLE RETRACTED AND STROKE TOLERANCE $\pm 1/8"$

WELDED THROUGH HOLE TYPE										
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)	
		RETRACTED	EXTENDED							
WP30150408	1.5" X 4"	11"	15"	1"	5/8"	SAE 6	5300	3000	7	
WP30150608	1.5" X 6"	13"	19"				5300	3000	8	
WP30150808	1.5" X 8"	15"	23"				5300	3000	9	
WP30151008	1.5" X 10"	17"	27"				5300	3000	11	
WP30151208	1.5" X 12"	19"	31"				5300	3000	12	
WP30151408	1.5" X 14"	21"	35"				5300	3000	13	
WP30151608	1.5" X 16"	23"	39"				5300	3000	14	
WP30200410	2" X 4"	12"	16"	1-1/4"	3/4"	SAE 8	9400	3000	11	
WP30200610	2" X 6"	14"	20"				9400	3000	12	
WP30200810	2" X 8"	16"	24"				9400	3000	14	
WP30201010	2" X 10"	18"	28"				9400	3000	16	
WP30201210	2" X 12"	20"	32"				9400	3000	17	
WP30201410	2" X 14"	22"	36"				9400	3000	19	
WP30201610	2" X 16"	24"	40"				9400	3000	21	
WP30201810	2" X 18"	26"	44"				9400	3000	22	
WP30202010	2" X 20"	28"	48"				9400	3000	24	
WP30202410	2" X 24"	32"	56"				7300	2300	27	
WP30202810	2" X 28"	36"	64"				5600	1700	31	
WP30203010	2" X 30"	38"	68"				4900	1500	33	
WP30203210	2" X 32"	40"	72"				4400	1400	34	
WP30203610	2" X 36"	44"	80"				3500	1100	38	
WP30204010	2" X 40"	48"	88"				2900	900	41	
WP30204210	2" X 42"	50"	92"				2700	800	43	
WP30204810	2" X 48"	56"	104"				2100	600	48	
WP30206010	2" X 60"	68"	128"				1400	400	58	
WP30207210	2" X 72"	80"	152"				900	300	68	

* NPT PORTS ARE ALSO AVAILABLE

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



WELDED THROUGH HOLE TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WP30250411	2.5" X 4"	12"	16"	1-3/8"	3/4"	SAE 8	14700	3000	14
WP30250611	2.5" X 6"	14"	20"				14700	3000	16
WP30250811	2.5" X 8"	16"	24"				14700	3000	18
WP30251011	2.5" X 10"	18"	28"				14700	3000	20
WP30251211	2.5" X 12"	20"	32"				14700	3000	22
WP30251411	2.5" X 14"	22"	36"				14700	3000	24
WP30251611	2.5" X 16"	24"	40"				14700	3000	26
WP30251811	2.5" X 18"	26"	44"				14700	3000	28
WP30252011	2.5" X 20"	28"	48"				14600	2900	30
WP30252411	2.5" X 24"	32"	56"				10700	2100	35
WP30252811	2.5" X 28"	36"	64"				8200	1600	39
WP30253011	2.5" X 30"	38"	68"				7200	1400	41
WP30253211	2.5" X 32"	40"	72"				6500	1300	43
WP30253611	2.5" X 36"	44"	80"				5200	1000	47
WP30254011	2.5" X 40"	48"	88"				4300	800	51
WP30254211	2.5" X 42"	50"	92"				3900	800	53
WP30254811	2.5" X 48"	56"	104"				3100	600	60
WP30256011	2.5" X 60"	68"	128"				2000	400	72
WP30300612	3" X 6"	14"	20"	1-1/2"	1"	SAE 8	21200	3000	21
WP30300812	3" X 8"	16"	24"				21200	3000	24
WP30301012	3" X 10"	18"	28"				21200	3000	26
WP30301212	3" X 12"	20"	32"				21200	3000	28
WP30301412	3" X 14"	22"	36"				21200	3000	31
WP30301612	3" X 16"	24"	40"				21200	3000	33
WP30301812	3" X 18"	26"	44"				21200	3000	36
WP30302012	3" X 20"	28"	48"				20700	2900	38
WP30302412	3" X 24"	32"	56"				15200	2100	43
WP30302812	3" X 28"	36"	64"				11600	1600	48
WP30303012	3" X 30"	38"	68"				10300	1400	51
WP30303212	3" X 32"	40"	72"				9200	1300	53
WP30303612	3" X 36"	44"	80"				7400	1000	58
WP30304012	3" X 40"	48"	88"				6100	800	63
WP30304212	3" X 42"	50"	92"				5600	700	65
WP30304812	3" X 48"	56"	104"				4400	600	73
WP30306012	3" X 60"	68"	128"				2900	400	87

* NPT PORTS ARE ALSO AVAILABLE.

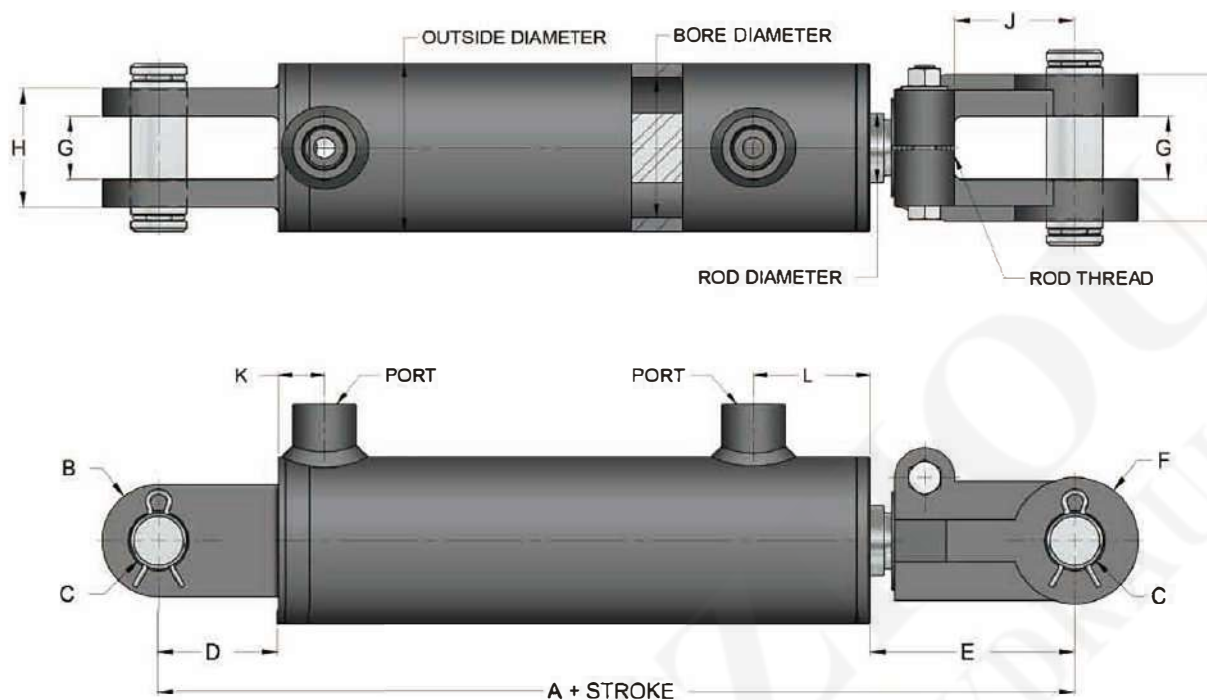
NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.



WELDED THROUGH HOLE TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WP30350414	3.5" X 4"	12"	16"	1-3/4"	1"	SAE 8	28800	3000	24
WP30350614	3.5" X 6"	14"	20"				28800	3000	27
WP30350814	3.5" X 8"	16"	24"				28800	3000	30
WP30351014	3.5" X 10"	18"	28"				28800	3000	33
WP30351214	3.5" X 12"	20"	32"				28800	3000	36
WP30351414	3.5" X 14"	22"	36"				28800	3000	39
WP30351614	3.5" X 16"	24"	40"				28800	3000	42
WP30351814	3.5" X 18"	26"	44"				28800	3000	45
WP30352014	3.5" X 20"	28"	48"				28800	3000	48
WP30352414	3.5" X 24"	32"	56"				28100	2900	54
WP30352814	3.5" X 28"	36"	64"				21500	2200	60
WP30353014	3.5" X 30"	38"	68"				19100	1900	63
WP30353214	3.5" X 32"	40"	72"				17000	1700	66
WP30353614	3.5" X 36"	44"	80"				13800	1400	72
WP30354014	3.5" X 40"	48"	88"				11400	1100	79
WP30354214	3.5" X 42"	50"	92"				10400	1000	82
WP30354814	3.5" X 48"	56"	104"				8100	800	91
WP30400816	4" X 8"	17"	25"	2"	1-1/4"	SAE 8	37700	3000	40
WP30401016	4" X 10"	19"	29"				37700	3000	44
WP30401216	4" X 12"	21"	33"				37700	3000	47
WP30401416	4" X 14"	23"	37"				37700	3000	51
WP30401616	4" X 16"	25"	41"				37700	3000	55
WP30401816	4" X 18"	27"	45"				37700	3000	58
WP30402016	4" X 20"	29"	49"				37700	3000	62
WP30402416	4" X 24"	33"	57"				37700	3000	70
WP30402816	4" X 28"	37"	65"				35600	2800	77
WP30403016	4" X 30"	39"	69"				31600	2500	81
WP30403216	4" X 32"	41"	73"				28300	2200	84
WP30403616	4" X 36"	45"	81"				22900	1800	91
WP30404016	4" X 40"	49"	89"				19000	1500	99
WP30404816	4" X 48"	57"	105"				13600	1000	114
WP30406016	4" X 60"	69"	129"				9000	700	136

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION



PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD DIAMETER	ROD THREAD	*A	B	C	D	*E	F	G	H	I	J	K	L	PORT*
WAC3015XX	1.50"	1.875"	1.00"	0.875-14 UNF	10.25"	1.50"	0.76"	1.62"	4.50"	1.62"	0.87"	2.44"	2.00"	1.62"	0.93"	1.87"	SAE 6
WAC3020XX	2.00"	2.375"	1.12"	1.125-12 UNF	10.25"	2.00"	1.01"	2.00"	3.62"	2.00"	1.14"	2.44"	2.50"	2.12"	0.81"	2.06"	SAE 8
WAC3025XX	2.50"	2.875"	1.25"	1.125-12 UNF	10.25"	2.00"	1.01"	2.00"	3.62"	2.00"	1.14"	2.72"	2.72"	2.12"	0.81"	2.06"	SAE 8
WAC3030XX	3.00"	3.50"	1.50"	1.250-12 UNF	10.25"	2.00"	1.01"	2.00"	3.62"	2.00"	1.14"	2.72"	2.72"	2.12"	0.87"	2.18"	SAE 8
WAC3035XX	3.50"	4.00"	1.75"	1.500-12 UNF	10.25"	2.00"	1.01"	2.00"	3.62"	2.00"	1.14"	2.72"	2.72"	2.12"	0.93"	2.18"	SAE 8
WAC3040XX	4.00"	4.50"	2.00"	1.500-12 UNF	10.25"	2.00"	1.01"	2.12"	3.62"	2.00"	1.14"	2.72"	2.95"	2.12"	1.00"	2.18"	SAE 8

1. FOR 8.00" STROKE : A = 12.25"

2. FOR 8.00" STROKE : E = 6.50" (1.50" BORE) E = 5.62" (2.00" TO 4.00" BORE)

DIMENSIONS A AND E ARE FOR REFERENCES ONLY AS CLEVIS IS ADJUSTABLE

* NPT PORTS ARE ALSO AVAILABLE

MAXIMUM RETRACTED WORKING PRESSURE : 3000 PSI

MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE

RETRACTED AND STROKE TOLERANCE $\pm 1/8"$



ADJUSTABLE CLEVIS TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WAC30150408	1.5" X 4"	14-1/4"	18-1/4"	1"	3/4"	SAE 6	5300	3000	10
WAC30150608	1.5" X 6"	16-1/4"	22-1/4"				5300	3000	11
WAC30150808	1.5" X 8"	18-1/4"	26-1/4"				5300	3000	12
WAC301508-ASAE	1.5" X 8"	20-1/4"	28-1/4"				5300	3000	13
WAC30151008	1.5" X 10"	20-1/4"	30-1/4"				5300	3000	13
WAC30151208	1.5" X 12"	22-1/4"	34-1/4"				5300	3000	15
WAC30151408	1.5" X 14"	24-1/4"	38-1/4"				5300	3000	16
WAC30151608	1.5" X 16"	26-1/4"	42-1/4"				5200	2900	17
WAC30151808	1.5" X 18"	28-1/4"	46-1/4"				4400	2400	18
WAC30152008	1.5" X 20"	30-1/4"	50-1/4"				3700	2100	20
WAC30152408	1.5" X 24"	34-1/4"	58-1/4"				2700	1500	22
WAC30152808	1.5" X 28"	38-1/4"	66-1/4"				2100	1200	25
WAC30153008	1.5" X 30"	40-1/4"	70-1/4"				1900	1000	26
WAC30153208	1.5" X 32"	42-1/4"	74-1/4"				1700	900	27
WAC30153408	1.5" X 34"	44-1/4"	78-1/4"				1500	800	28
WAC30153608	1.5" X 36"	46-1/4"	82-1/4"				1300	700	29
WAC30200409	2" X 4"	14-1/4"	18-1/4"	1-1/8"	1"	SAE 8	9400	3000	16
WAC30200609	2" X 6"	16-1/4"	22-1/4"				9400	3000	17
WAC30200809	2" X 8"	18-1/4"	26-1/4"				9400	3000	19
WAC302008-ASAE	2" X 8"	20-1/4"	28-1/4"				9400	3000	19
WAC30201009	2" X 10"	20-1/4"	30-1/4"				9400	3000	20
WAC30201209	2" X 12"	22-1/4"	34-1/4"				9400	3000	22
WAC30201409	2" X 14"	24-1/4"	38-1/4"				9400	3000	23
WAC30201609	2" X 16"	26-1/4"	42-1/4"				8400	2600	25
WAC30201809	2" X 18"	28-1/4"	46-1/4"				7000	2200	27
WAC30202009	2" X 20"	30-1/4"	50-1/4"				5900	1900	28
WAC30202409	2" X 24"	34-1/4"	58-1/4"				4400	1400	31
WAC30203009	2" X 30"	40-1/4"	70-1/4"				3000	900	36
WAC30203609	2" X 36"	46-1/4"	82-1/4"				2200	700	41
WAC30250410	2.5" X 4"	14-1/4"	18-1/4"	1-1/4"	1"	SAE 8	14700	3000	19
WAC30250610	2.5" X 6"	16-1/4"	22-1/4"				14700	3000	20
WAC30250810	2.5" X 8"	18-1/4"	26-1/4"				14700	3000	22
WAC302508-ASAE	2.5" X 8"	20-1/4"	28-1/4"				14700	3000	23
WAC30251010	2.5" X 10"	20-1/4"	30-1/4"				14700	3000	24
WAC30251210	2.5" X 12"	22-1/4"	34-1/4"				14700	3000	26
WAC30251410	2.5" X 14"	24-1/4"	38-1/4"				14700	3000	28
WAC30251610	2.5" X 16"	26-1/4"	42-1/4"				12800	2600	30
WAC30251810	2.5" X 18"	28-1/4"	46-1/4"				10700	2100	32
WAC30252010	2.5" X 20"	30-1/4"	50-1/4"				9100	1800	34
WAC30252410	2.5" X 24"	34-1/4"	58-1/4"				6700	1300	38
WAC30253010	2.5" X 30"	40-1/4"	70-1/4"				4600	900	44
WAC30253610	2.5" X 36"	46-1/4"	82-1/4"				3400	600	49

* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

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DESIGNATES AN INDUSTRY MOUNTING STANDARD FOR 8" AND 16" STROKE CYLINDERS

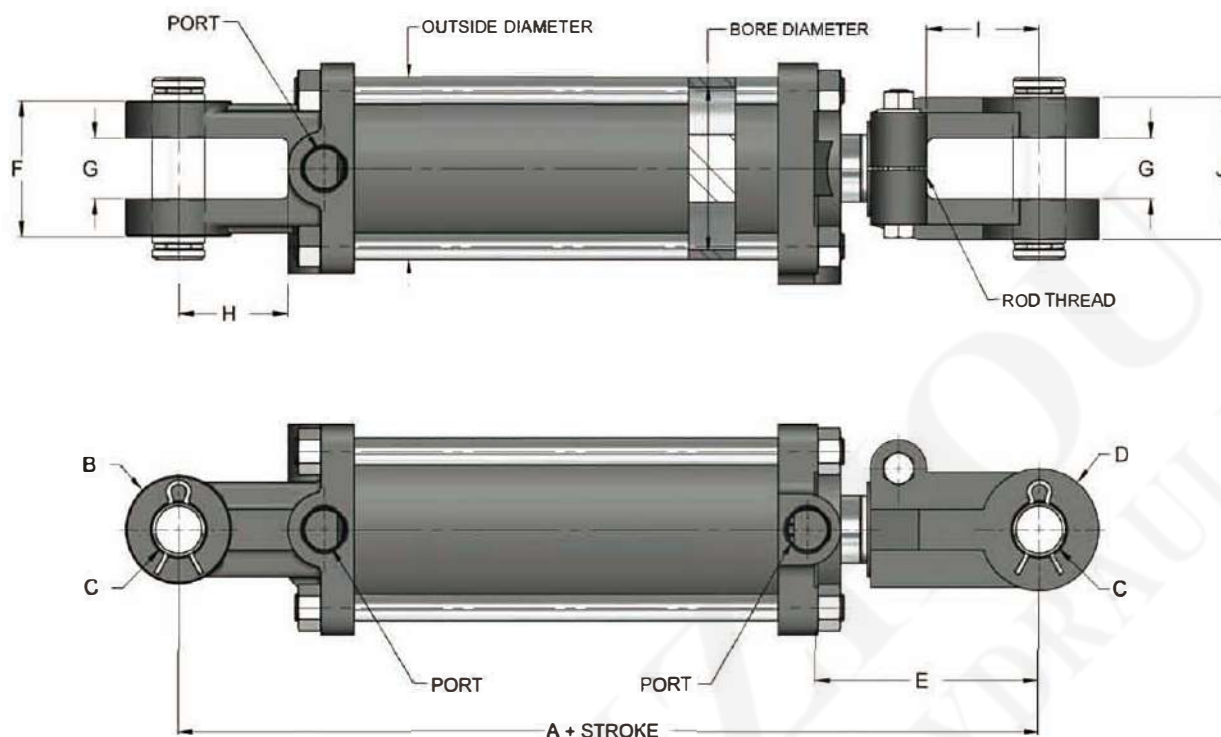


ADJUSTABLE CLEVIS TYPE									
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
WAC30300412	3" X 4"	14-1/4"	18-1/4"	1-1/2"	1"	SAE 8	21200	3000	24
WAC30300612	3" X 6"	16-1/4"	22-1/4"				21200	3000	26
WAC30300812	3" X 8"	18-1/4"	26-1/4"				21200	3000	29
WAC303008-ASAE	3" X 8"	20-1/4"	28-1/4"				21200	3000	29
WAC30301012	3" X 10"	20-1/4"	30-1/4"				21200	3000	31
WAC30301212	3" X 12"	22-1/4"	34-1/4"				21200	3000	33
WAC30301412	3" X 14"	24-1/4"	38-1/4"				21200	3000	36
WAC30301612	3" X 16"	26-1/4"	42-1/4"				21200	3000	38
WAC303016-ASAE	3" X 16"	31-1/2"	47-1/2"				21200	3000	38
WAC30301812	3" X 18"	28-1/4"	46-1/4"				21200	3000	41
WAC30302012	3" X 20"	30-1/4"	50-1/4"				18800	2600	43
WAC30302412	3" X 24"	34-1/4"	58-1/4"				14000	1900	48
WAC30303012	3" X 30"	40-1/4"	70-1/4"	1-3/4"	1"	SAE 8	9600	1300	56
WAC30303612	3" X 36"	46-1/4"	82-1/4"				7000	900	63
WAC30350414	3.5" X 4"	14-1/4"	18-1/4"				28800	3000	29
WAC30350614	3.5" X 6"	16-1/4"	22-1/4"				28800	3000	32
WAC30350814	3.5" X 8"	18-1/4"	26-1/4"				28800	3000	35
WAC303508-ASAE	3.5" X 8"	20-1/4"	28-1/4"				28800	3000	36
WAC30351014	3.5" X 10"	20-1/4"	30-1/4"				28800	3000	38
WAC30351214	3.5" X 12"	22-1/4"	34-1/4"				28800	3000	41
WAC30351414	3.5" X 14"	24-1/4"	38-1/4"				28800	3000	44
WAC30351614	3.5" X 16"	26-1/4"	42-1/4"				28800	3000	47
WAC303516-ASAE	3.5" X 16"	31-1/2"	47-1/2"				28800	3000	47
WAC30351814	3.5" X 18"	28-1/4"	46-1/4"				28800	3000	50
WAC30352014	3.5" X 20"	30-1/4"	50-1/4"				28800	3000	53
WAC30352414	3.5" X 24"	34-1/4"	58-1/4"				26000	2700	59
WAC30353014	3.5" X 30"	40-1/4"	70-1/4"	2"	1"	SAE 8	17900	1800	68
WAC30353614	3.5" X 36"	46-1/4"	82-1/4"				13000	1300	77
WAC30400416	4" X 4"	14-1/4"	18-1/4"				37600	3000	35
WAC30400616	4" X 6"	16-1/4"	22-1/4"				37600	3000	38
WAC30400816	4" X 8"	18-1/4"	26-1/4"				37600	3000	42
WAC304008-ASAE	4" X 8"	20-1/4"	28-1/4"				37600	3000	43
WAC30401016	4" X 10"	20-1/4"	30-1/4"				37600	3000	46
WAC30401216	4" X 12"	22-1/4"	34-1/4"				37600	3000	49
WAC30401416	4" X 14"	24-1/4"	38-1/4"				37600	3000	53
WAC30401616	4" X 16"	26-1/4"	42-1/4"				37600	3000	57
WAC304016-ASAE	4" X 16"	31-1/2"	47-1/2"				37600	3000	57
WAC30401816	4" X 18"	28-1/4"	46-1/4"				37600	3000	60
WAC30402016	4" X 20"	30-1/4"	50-1/4"				37600	3000	64
WAC30402416	4" X 24"	34-1/4"	58-1/4"				37600	3000	71
WAC30403016	4" X 30"	40-1/4"	70-1/4"				30500	2400	82
WAC30403616	4" X 36"	46-1/4"	82-1/4"				22200	1700	93

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PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD THREAD	A1	B	C2	D	E3	F	G4	H	I	J	PORTS
TR3020XX	2.00"	2.38"	1.125-12 UNF	10.25"	2.00"	1.01"	2.00"	4.17"	2.44"	1.14"	2.00"	2.12"	2.50"	SAE 8
TR3025XX	2.50"	2.89"	1.125-12 UNF	10.25"	2.00"	1.01"	2.00"	4.17"	2.44"	1.14"	2.00"	2.12"	2.50"	SAE 8
TR3030XX	3.00"	3.39"	1.25-12 UNF	10.25"	2.00"	1.01"	2.00"	4.14"	2.72"	1.14"	2.00"	2.12"	2.72"	SAE 8
TR3035XX	3.50"	4.00"	1.25-12 UNF	10.25"	2.00"	1.01"	2.00"	4.09"	2.72"	1.14"	2.00"	2.12"	2.72"	SAE 8
TR3040XX	4.00"	4.50"	1.25-12 UNF	10.25"	2.00"	1.01"	2.00"	3.82"	2.72"	1.14"	2.12"	2.12"	2.72"	SAE 8
TR3050XX	5.00"	5.50"	1.500-12 UNF	12.25"	2.75"	1.26"	2.75"	5.00"	2.87"	1.25"	2.12"	2.12"	2.95"	SAE 10

1. FOR 8.00" ASAE STROKE : A = 12.25"

FOR 16.00" ASAE STROKE : A = 15.50"

2. FOR 16.00" ASAE STROKE : C = 1.26"

3. FOR 8.00" ASAE STROKE : E = 5.75" (2.00" TO 3.00" BORE) E = 5.62" (3.50" BORE) E = 5.56" (4.00" BORE)

FOR 16.00" ASAE STROKE : E = 9.00" (3.00" BORE) E = 8.87" (3.50" BORE) E = 8.81" (4.00" BORE) E = 7.43" (5.00" BORE)

4. FOR 5.00" BORE : G (FRONT CLEVIS) = 1.18" G (END CAP) = 1.31"

MAXIMUM RETRACTED WORKING PRESSURE = 3000 psi

MAXIMUM EXTENDED WORKING PRESSURE = SEE TABLE

RETRACTED AND STROKE TOLERANCE $\pm 1/8"$

DIMENSIONS A AND E ARE FOR REFERENCES ONLY AS CLEVIS IS ADJUSTABLE

* NPT PORTS ARE ALSO AVAILABLE.



TIE-ROD HYDRAULIC CYLINDER										
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)	
		RETRACTED	EXTENDED							
TR30200409	2" X 4"	14-1/4"	18-1/4"	1-1/8"	1"	SAE 8	9400	3000	17	
TR30200609	2" X 6"	16-1/4"	22-1/4"				9400	3000	19	
TR30200809	2" X 8"	18-1/4"	26-1/4"				9400	3000	21	
TR30201009-ASAE*	2" X 8"	20-1/4"	28-1/4"				9400	3000	22	
TR30201009	2" X 10"	20-1/4"	30-1/4"				9400	3000	23	
TR30201209	2" X 12"	22-1/4"	34-1/4"				9400	3000	25	
TR30201409	2" X 14"	24-1/4"	38-1/4"				9400	3000	27	
TR30201609	2" X 16"	26-1/4"	42-1/4"				8400	2600	28	
TR30201809	2" X 18"	28-1/4"	46-1/4"				7000	2200	30	
TR30202009	2" X 20"	30-1/4"	50-1/4"				5900	1900	32	
TR30202409	2" X 24"	34-1/4"	58-1/4"				4400	1400	36	
TR30203009	2" X 30"	40-1/4"	70-1/4"				3000	900	41	
TR30203609	2" X 36"	46-1/4"	82-1/4"	2200	700	47				
TR30250410	2.5" X 4"	14-1/4"	18-1/4"	1-1/4"	1"	SAE 8	14700	3000	22	
TR30250610	2.5" X 6"	16-1/4"	22-1/4"				14700	3000	24	
TR30250810	2.5" X 8"	18-1/4"	26-1/4"				14700	3000	26	
TR30250810-ASAE*	2.5" X 8"	20-1/4"	28-1/4"				14700	3000	27	
TR30251010	2.5" X 10"	20-1/4"	30-1/4"				14700	3000	29	
TR30251210	2.5" X 12"	22-1/4"	34-1/4"				14700	3000	31	
TR30251410	2.5" X 14"	24-1/4"	38-1/4"				14700	3000	34	
TR30251610	2.5" X 16"	26-1/4"	42-1/4"				12800	2600	36	
TR30251810	2.5" X 18"	28-1/4"	46-1/4"				10700	2100	38	
TR30252010	2.5" X 20"	30-1/4"	50-1/4"				9100	1800	41	
TR30252410	2.5" X 24"	34-1/4"	58-1/4"				6700	1300	45	
TR30253010	2.5" X 30"	40-1/4"	70-1/4"				4600	900	53	
TR30253610	2.5" X 36"	46-1/4"	82-1/4"	3400	600	60				
TR30300410	3" X 4"	14-1/4"	18-1/4"	1-1/4"	1"	SAE 8	21200	3000	26	
TR30300610	3" X 6"	16-1/4"	22-1/4"				21200	3000	29	
TR30300810	3" X 8"	18-1/4"	26-1/4"				21200	3000	32	
TR30300810-ASAE*	3" X 8"	20-1/4"	28-1/4"				21200	3000	32	
TR30301010	3" X 10"	20-1/4"	30-1/4"				21200	3000	34	
TR30301210	3" X 12"	22-1/4"	34-1/4"				21200	3000	37	
TR30301410	3" X 14"	24-1/4"	38-1/4"				21200	3000	40	
TR30301612	3" X 16"	26-1/4"	42-1/4"		18800		2600	43		
TR3-301612-ASAE*	3" X 16"	31-1/2"	47-1/2"		1-1/4"		14900	2100	45	
TR30301812	3" X 18"	28-1/4"	46-1/4"		1-1/2"		1"	15700	2200	45
TR30302012	3" X 20"	30-1/4"	50-1/4"					13300	1800	48
TR30302412	3" X 24"	34-1/4"	58-1/4"					9900	1400	53
TR30303012	3" X 30"	40-1/4"	70-1/4"					6800	900	62
TR30303612	3" X 36"	46-1/4"	82-1/4"					4900	700	70

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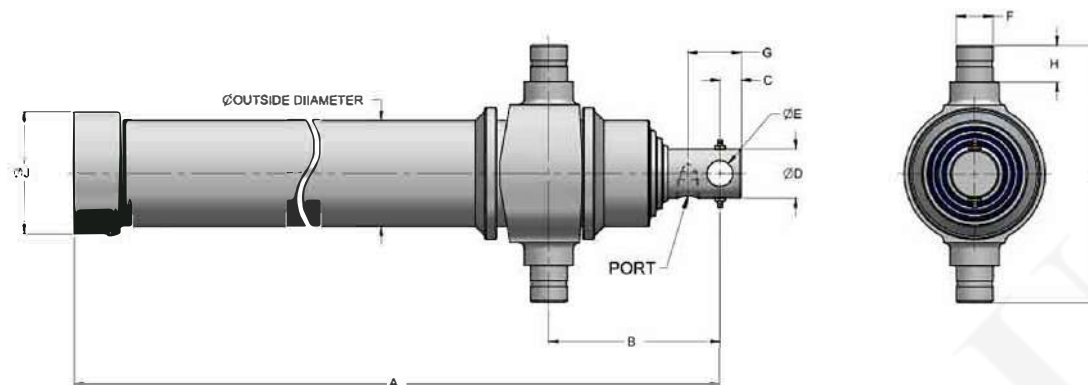


TIE-ROD HYDRAULIC CYLINDER											
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOAD (LBS)	PRESSURE (PSI)	WEIGHT (LBS)		
		RETRACTED	EXTENDED								
TR30350411	3.5" X 4"	14-1/4"	18-1/4"	1-3/8"	1"	SAE 8	28800	3000	34		
TR30350611	3.5" X 6"	16-1/4"	22-1/4"				28800	3000	37		
TR30350811	3.5" X 8"	18-1/4"	26-1/4"				28800	3000	40		
TR30350811-ASAE*	3.5" X 8"	20-1/4"	28-1/4"				28800	3000	41		
TR30351011	3.5" X 10"	20-1/4"	30-1/4"				28300	2900	44		
TR30351211	3.5" X 12"	22-1/4"	34-1/4"				28700	2900	47		
TR30351411	3.5" X 14"	24-1/4"	38-1/4"				23000	2300	50		
TR30351612	3.5" X 16"	26-1/4"	42-1/4"				18800	1900	53		
TR30351612-ASAE*	3.5" X 16"	31-1/2"	47-1/2"	1-1/2"	1-1/4"	14900	1500	56			
TR30351812	3.5" X 18"	28-1/4"	46-1/4"		1"	15700	1600	56			
TR30352012	3.5" X 20"	30-1/4"	50-1/4"			13300	1300	60			
TR30352412	3.5" X 24"	34-1/4"	58-1/4"			9900	1000	66			
TR30353012	3.5" X 30"	40-1/4"	70-1/4"			6800	700	76			
TR30353612	3.5" X 36"	46-1/4"	82-1/4"			4900	500	85			
TR30400412	4" X 4"	14-1/4"	18-1/4"			1-1/2"	1"	SAE 8	37600	3000	41
TR30400612	4" X 6"	16-1/4"	22-1/4"						37600	3000	45
TR30400812	4" X 8"	18-1/4"	26-1/4"	37600					3000	49	
TR30400812-ASAE*	4" X 8"	20-1/4"	28-1/4"	37600	3000				50		
TR30401012	4" X 10"	20-1/4"	30-1/4"	37600	3000				52		
TR30401212	4" X 12"	22-1/4"	34-1/4"	37600	3000				56		
TR30401412	4" X 14"	24-1/4"	38-1/4"	37600	3000				60		
TR30401614	4" X 16"	26-1/4"	42-1/4"	1-3/4"	1"				SAE 8	37600	3000
TR30401614-ASAE*	4" X 16"	31-1/2"	47-1/2"			37600	3000	68			
TR30401814	4" X 18"	28-1/4"	46-1/4"			37600	3000	68			
TR30402014	4" X 20"	30-1/4"	50-1/4"			35000	2700	72			
TR30402414	4" X 24"	34-1/4"	58-1/4"			26000	2000	80			
TR30403016	4" X 30"	40-1/4"	70-1/4"			17900	1400	92			
TR30403616	4" X 36"	46-1/4"	82-1/4"			2"	13000	1000		104	
TR30500416	5" X 4"	16-1/4"	20-1/4"				2"	1-1/4"		SAE 8	58900
TR30500616	5" X 6"	18-1/4"	24-1/4"	58900	3000	76					
TR30500816-ASAE*	5" X 8"	22-1/4"	30-1/4"	58900	3000	81					
TR30501016	5" X 10"	22-1/4"	32-1/4"	58900	3000	86					
TR30501216	5" X 12"	24-1/4"	36-1/4"	58900	3000	91					
TR30501416	5" X 14"	26-1/4"	40-1/4"	58900	3000	96					
TR30501616	5" X 16"	28-1/4"	44-1/4"	58900	3000	101					
TR30501616-ASAE*	5" X 16"	31-1/2"	47-1/2"	58900	3000	104					
TR30501816	5" X 18"	30-1/4"	48-1/4"	58900	3000	106					
TR30502016	5" X 20"	32-1/4"	52-1/4"	55200	2800	112					
TR30502416	5" X 24"	36-1/4"	60-1/4"	41500	2100	122					
TR30503016	5" X 30"	42-1/4"	72-1/4"	28800	1400	137					
TR30503616	5" X 36"	48-1/4"	84-1/4"	21200	1000	153					

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7 TONS-INVERTED TELESCOPIC CYLINDERS (2100 PSI MAX. WORKING PRESSURE)

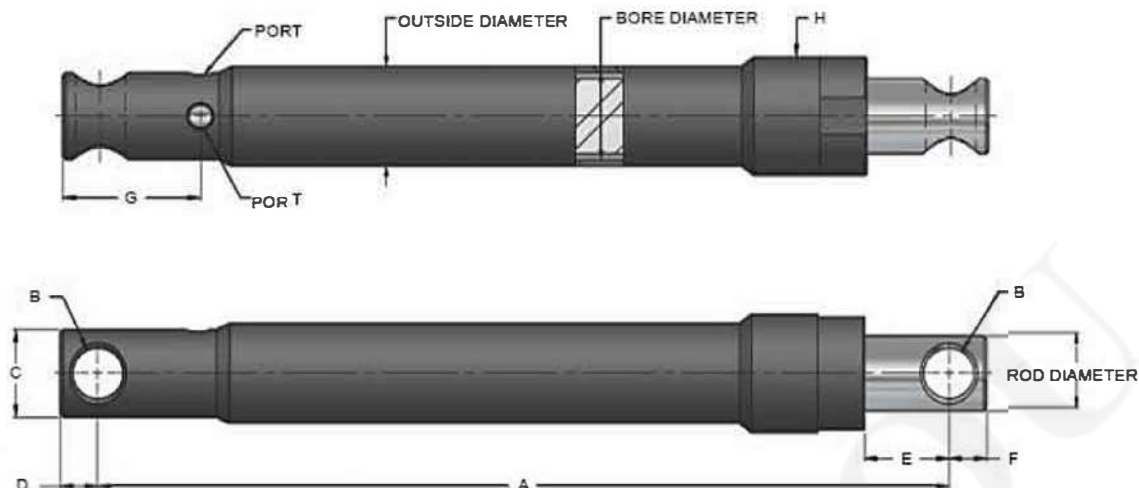
PART NUMBER	CAPACITY	STROKE	OUTSIDE DIAMETER	A	B	C	D	E	F	G	H	I	J	PORT	WEIGHT (LBS)
TC21-078-3-16	7 TONS	78"	3.75"	34.62"	7.00"	0.87"	2.00"	1.015"	1.25"	2.25"	1.25"	9.00"	4.25"	1/2 SAE-08	86
TC21-090-3-16		90"	3.75"	38.62"											94
TC21-108-3-16		108"	3.75"	44.62"											106

12 TONS-INVERTED TELESCOPIC CYLINDERS (2500 PSI MAX. WORKING PRESSURE)

PART NUMBER	CAPACITY	STROKE	OUTSIDE DIAMETER	A	B	C	D	E	F	G	H	I	J	PORT	WEIGHT (LBS)
TC25-078-3-16	12 TONS	78"	4.50"	33.87"	7.00"										99
TC25-090-3-16		90"	4.50"	37.87"											109
TC25-108-3-16		108"	4.50"	43.87"											125
TC25-120-3-16		120"	4.50"	47.87"		0.87"	2.00"	1.015"	1.50"	2.25"	1.50"	10.50"	5.00"	1/2 SAE-0	138
TC25-144-3-16		144"	4.50"	55.87"	13.00"										171

RETRACTED TOLERANCE $\pm 1/8"$





PART NUMBER	REPLACEMENT	BORE & STROKE	OUTSIDE DIAMETER	ROD DIAMETER	A	B	C	D	E	F	G	H	PORT	WEIGHT (LBS)
ASP-1510-0750	ARCTIC	1.75" X 10.00"	2.00"	1.50"	17.00"	0.76"	1.75"	0.75"	1.68"	0.75"	2.75"	2.37"	1/4-NPT (2X)	12
ASP-1512-0750	ARCTIC	1.75" X 12.00"	2.00"	1.50"	19.00"	0.76"	1.75"	0.75"	1.68"	0.75"	2.75"	2.37"	1/4-NPT (2X)	13
FSP-1510-1000	FISHER	1.75" X 10.00"	2.00"	1.50"	17.00"	1.01"	1.75"	0.75"	1.68"	0.75"	2.75"	2.37"	1/4-NPT (2X)	11
FSP-1512-1000	FISHER	1.75" X 12.00"	2.00"	1.50"	19.25"	1.01"	1.75"	0.75"	1.93"	0.75"	2.75"	2.37"	1/4-NPT (2X)	13
FSP-2016-1250	FISHER	2.25" X 16.00"	2.50"	2.00"	23.25"	1.26"	2.25"	0.87"	1.75"	0.87"	2.75"	3.00"	1/4-NPT (2X)	27
MSP-1506-0625	MEYER	1.75" X 6.00"	2.00"	1.50"	12.37"	0.63"	1.62"	0.75"	1.56"	0.75"	2.12"	2.37"	1/4-NPT	9
MSP-1510-0625	MEYER	1.75" X 10.00"	2.00"	1.50"	16.18"	0.63"	1.62"	0.75"	1.62"	0.75"	2.12"	2.37"	1/4-NPT	14
MSP-1512-0625	MEYER	1.75" X 12.00"	2.00"	1.50"	18.00"	0.63"	1.62"	0.75"	1.43"	0.75"	2.12"	2.37"	1/4-NPT	15
MSP-2012-0625	MEYER	2.25" X 12.00"	2.50"	2.00"	18.00"	0.63"	1.62"	0.75"	0.75"	0.75"	2.25"	3.00"	1/4-NPT	24
WSP-1506-0750	WESTERN	1.75" X 6.00"	2.00"	1.50"	13.00"	0.76"	1.75"	0.68"	1.37"	0.68"	2.75"	2.37"	1/4-NPT (2X)	11
WSP-1508-0750	WESTERN	1.75" X 8.00"	2.00"	1.50"	15.25"	0.76"	1.75"	0.68"	1.62"	0.68"	2.75"	2.37"	1/4-NPT (2X)	12
WSP-1510-0750	WESTERN	1.75" X 10.00"	2.00"	1.50"	17.25"	0.76"	1.75"	0.68"	1.62"	0.68"	2.75"	2.37"	1/4-NPT (2X)	14
WSP-1510-1000	WESTERN	1.75" X 10.00"	2.00"	1.50"	17.00"	1.01"	1.75"	0.75"	1.43"	0.75"	2.75"	2.37"	1/4-NPT (2X)	14
WSP-2006-0750	WESTERN	2.25" X 6.00"	2.50"	2.00"	13.18"	0.76"	2.25"	0.75"	1.56"	0.75"	2.75"	3.00"	1/4-NPT (2X)	18
WSP-2010-1000	WESTERN	2.25" X 10.00"	2.50"	2.00"	17.25"	1.01"	2.25"	0.75"	1.62"	0.75"	2.75"	3.00"	1/4-NPT (2X)	22
WSP-2016-1000	WESTERN	2.25" X 16.00"	2.50"	2.00"	23.31"	1.01"	2.25"	0.75"	1.68"	0.75"	2.56"	3.00"	1/4-NPT (2X)	31

SEAL TEMPERATURE RANGE : -30°C / +100°C (-22°F / +212°F) SEAL MAXIMUM SPEED : 3 FT / SEC

CYLINDER WITH 1 PORT = PORT IN LINE WITH PIN HOLE RETRACTED AND STROKE TOLERANCE $\pm 1/8"$



Hydraulic Cylinder

The reliable high performance hydraulic cylinder

EUROPE



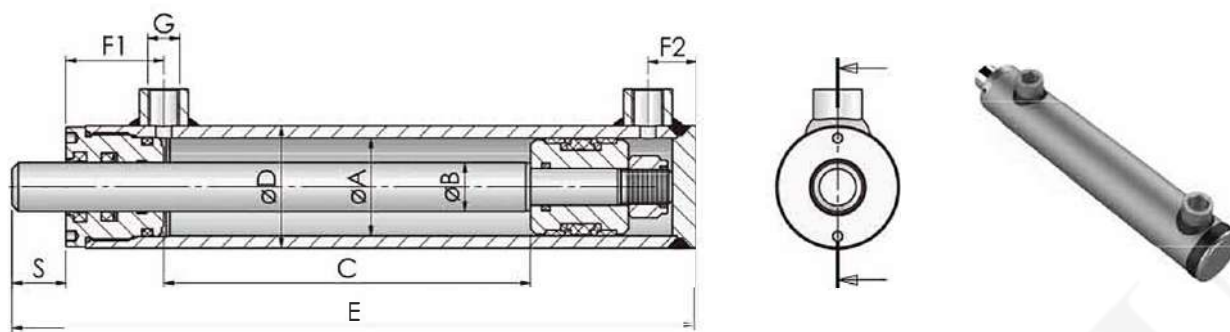
TAIZHOU ETERNAL HYDRAULIC MACHINE CO.,LTD.

Professional Hydraulic Cylinder Manufacturer

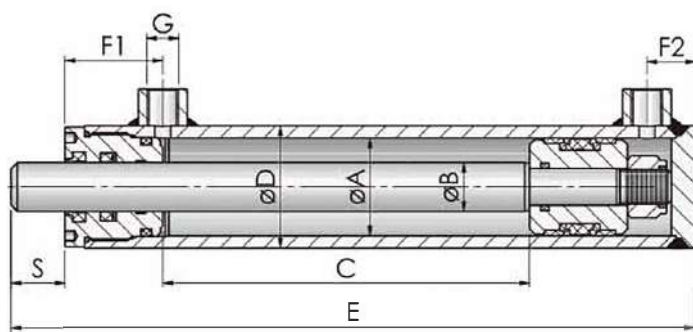
Competitively and Priced Cylinder

Contents

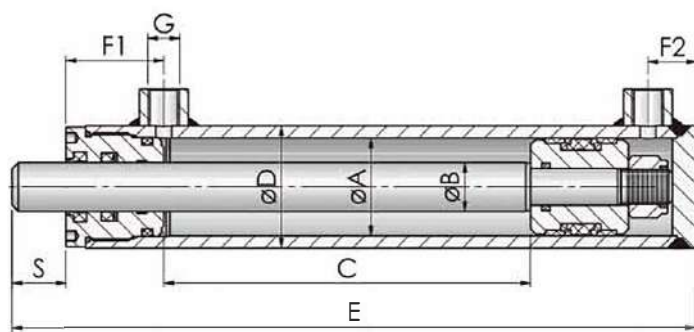
	KWA	20		KWF	38
	KWB	24		KWG	42
	KWC	26		KWH	46
	KWD	30		KWI	47
	KWE	34		KWJ	48



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	S	Kg
KWA025016.0050	25	16	50	35	135	15	33	1/4"	17	0,70
KWA025016.0100			100		185					1,00
KWA025016.0150			150		235					1,30
KWA025016.0200			200		285					1,50
KWA032020.0050	32	20	50	42	155	20	33	1/4"	16	1,30
KWA032020.0100			100		205					1,60
KWA032020.0150			150		255					2,00
KWA032020.0200			200		305					2,30
KWA032020.0250			250		355					2,70
KWA032020.0300			300		405					3,00
KWA032020.0400	40	20	400	50	505	23	40	1/4"	22	3,70
KWA032020.0500			500		605					4,40
KWA040020.0100			100		230					2,30
KWA040020.0150			150		280					2,70
KWA040020.0200			200		330					3,10
KWA040020.0250			250		380					3,50
KWA040020.0300	40	25	300	50	430	23	40	1/4"	22	3,90
KWA040020.0350			350		480					4,30
KWA040020.0400			400		530					4,70
KWA040020.0450			450		580					5,10
KWA040020.0500			500		630					5,50
KWA040025.0100	40	25	100	50	230	23	40	1/4"	22	2,50
KWA040025.0150			150		280					3,00
KWA040025.0200			200		330					3,40
KWA040025.0250			250		380					3,90
KWA040025.0300			300		430					4,40
KWA040025.0350			350		480					4,80
KWA040025.0400			400		530					5,30
KWA040025.0450			450		580					5,80
KWA040025.0500			500		630					6,20
KWA040025.0550			550		680					6,60
KWA040025.0600	50	25	600	60	730	26	43	3/8"	22	7,20
KWA050025.0100			100		240					3,30
KWA050025.0150			150		290					3,90
KWA050025.0200			200		340					4,40
KWA050025.0250			250		390					4,90
KWA050025.0300			300		440					5,40
KWA050025.0350			350		490					6,00
KWA050025.0400			400		540					6,40
KWA050025.0450			450		590					7,30
KWA050025.0500			500		640					7,50
KWA050025.0550			550		690					8,10
KWA050025.0600			600		740					8,50
KWA050025.0800			800		940					10,80
KWA050025.1000			1000		1140					12,90

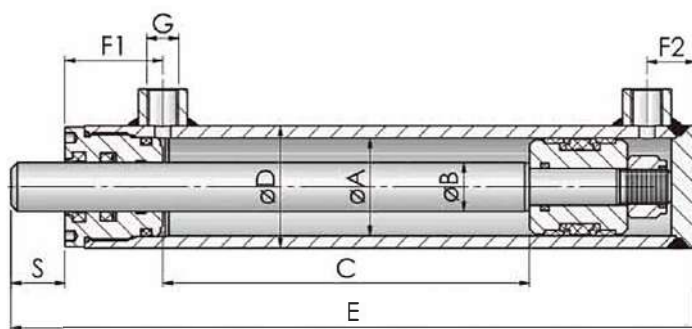


Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	S	Kg
KWA050030.0150	50	30	150	60	290	26	43	3/8"	22	4,20
KWA050030.0200			200		340					4,80
KWA050030.0250			250		390					5,40
KWA050030.0300			300		440					6,00
KWA050030.0350			350		490					6,60
KWA050030.0400			400		540					7,20
KWA050030.0450			450		590					7,80
KWA050030.0500			500		640					8,50
KWA050030.0550			550		690					9,10
KWA050030.0600			600		740					9,70
KWA050030.0700	60	30	700	70	840	30	50	3/8"	23	10,90
KWA050030.0800			800		940					12,10
KWA050030.1000			1000		1140					14,60
KWA060030.0100			100		260					4,90
KWA060030.0150			150		310					5,60
KWA060030.0200			200		360					6,20
KWA060030.0250			250		410					6,90
KWA060030.0300			300		460					7,60
KWA060030.0350			350		510					8,20
KWA060030.0400	60	35	400	70	560	30	50	3/8"	23	8,90
KWA060030.0450			450		610					9,60
KWA060030.0500			500		660					10,30
KWA060030.0550			550		710					10,90
KWA060030.0600			600		760					11,60
KWA060030.0800			800		960					14,30
KWA060030.1000			1000		1160					17,00
KWA060035.0100	60	35	100	70	260	30	50	3/8"	23	5,10
KWA060035.0150			150		310					5,90
KWA060035.0200			200		360					6,60
KWA060035.0250			250		410					7,40
KWA060035.0300			300		460					8,20
KWA060035.0350			350		510					9,00
KWA060035.0400			400		560					9,80
KWA060035.0450			450		610					10,50
KWA060035.0500			500		660					11,30
KWA060035.0550			550		710					12,00
KWA060035.0600	60	35	600	70	760	30	50	3/8"	23	12,90
KWA060035.0800			800		960					15,90
KWA060035.1000			1000		1160					19,00



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	S	Kg
KWA060040.0200	60	40	200	70	360	30	50	3/8"	23	7,30
KWA060040.0250			250		410					8,20
KWA060040.0300			300		460					9,10
KWA060040.0350			350		510					9,90
KWA060040.0400			400		560					10,80
KWA060040.0450			450		610					11,70
KWA060040.0500			500		660					12,60
KWA060040.0550			550		710					13,50
KWA060040.0600			600		760					14,30
KWA060040.0800			800		960					17,90
KWA060040.1000			1000		1160					21,40
KWA063040.0200	63	40	200	73	360	30	50	3/8"	23	7,60
KWA063040.0250			250		410					8,50
KWA063040.0300			300		460					9,40
KWA063040.0350			350		510					10,30
KWA063040.0400			400		560					11,20
KWA063040.0450			450		610					12,10
KWA063040.0500			500		660					13,00
KWA063040.0550			550		710					13,90
KWA063040.0600			600		760					14,80
KWA063040.0800			800		960					18,50
KWA063040.1000			1000		1160					22,10
KWA070035.0100	70	35	100	80	260	33	50	3/8"	23	6,10
KWA070035.0150			150		310					7,00
KWA070035.0200			200		360					7,80
KWA070035.0250			250		410					8,60
KWA070035.0300			300		460					9,40
KWA070035.0350			350		510					10,30
KWA070035.0400			400		560					11,00
KWA070035.0450			450		610					11,90
KWA070035.0500			500		660					12,60
KWA070035.0550			550		710					13,70
KWA070035.0600			600		760					14,20
KWA070035.0800			800		960					17,60
KWA070035.1000			1000		1160					21,30
KWA070040.0200	70	40	200	80	360	33	50	3/8"	23	8,30
KWA070040.0250			250		410					9,30
KWA070040.0300			300		460					10,30
KWA070040.0350			350		510					11,20
KWA070040.0400			400		560					12,80
KWA070040.0450			450		510					13,20
KWA070040.0500			500		660					14,10
KWA070040.0550			550		710					15,10
KWA070040.0600			600		760					16,00
KWA070040.0800			800		960					19,80
KWA070040.1000			1000		1160					23,60

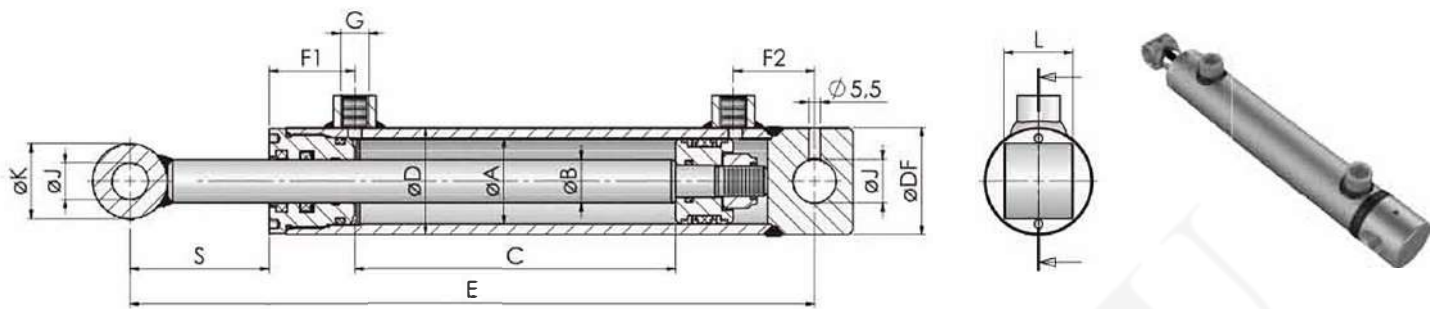
KWA无端双作用气缸 KWA DOUBLE ACTING CYLINDER WITHOUT ENDS



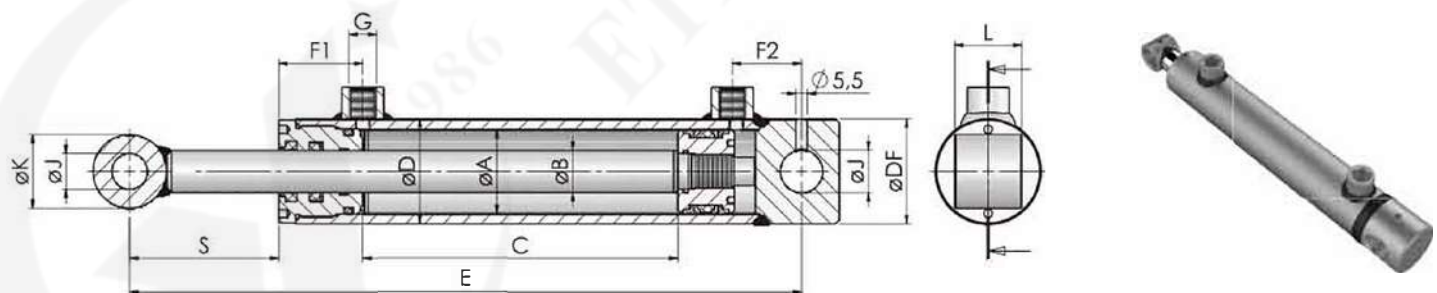
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	S	Kg
KWA080040.0200	80	40	200	92	380	35	60	1/2"	25	11,10
KWA080040.0250			250		430					12,30
KWA080040.0300			300		480					13,40
KWA080040.0400			400		580					15,60
KWA080040.0500			500		680					17,80
KWA080040.0600			600		780					20,00
KWA080040.0800			800		980					24,50
KWA080040.1000			1000		1180					29,00
KWA080050.0200	80	50	200	92	380	35	60	1/2"	25	12,40
KWA080050.0250			250		430					13,80
KWA080050.0300			300		480					15,20
KWA080050.0400			400		580					18,00
KWA080050.0500			500		680					20,80
KWA080050.0600			600		780					24,00
KWA080050.0800			800		980					29,50
KWA080050.1000			1000		1180					35,00
KWA090050.0300	90	50	300	105	486	40	60	1/2"	23	19,30
KWA090050.0400			400		586					22,70
KWA090050.0500			500		686					26,00
KWA090050.0600			600		786					29,30
KWA090050.0800			800		986					36,00
KWA090050.1000			1000		1186					42,70
KWA100050.0200	100	50	200	115	410	38	82	1/2"	25	19,50
KWA100050.0250			250		460					21,50
KWA100050.0300			300		510					23,00
KWA100050.0400			400		610					26,50
KWA100050.0500			500		710					30,00
KWA100050.0600			600		810					33,50
KWA100050.0800			800		1010					40,50
KWA100050.1000			1000		1210					47,50
KWA100060.0300	100	60	300	115	510	38	82	1/2"	25	25,50
KWA100060.0400			400		610					29,50
KWA100060.0500			500		710					33,50
KWA100060.0600			600		810					37,50
KWA100060.0800			800		1010					46,00
KWA100060.1000			1000		1210					54,50

KWB型双作用气缸带端塞孔

KWB DOUBLE ACTING CYLINDER WITH END PLUG HOLE



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	ØDF mm	E mm	F1	F2	G	S	ØJ	ØK	L	Kg
KWB025016.0050	25	16	50	35	35	160	22	33	1/4"	31	12,1	25	25	1,00
KWB025016.0100			100			210								1,20
KWB025016.0150			150			260								1,40
KWB025016.0200			200			310								1,70
KWB032020.0050	32	20	50	42	40	205	35	33	1/4"	51	16,2	30	35	1,70
KWB032020.0100			100			255								2,10
KWB032020.0150			150			305								2,40
KWB032020.0200			200			355								2,80
KWB032020.0250			250			405								3,10
KWB032020.0300			300			455								3,50
KWB032020.0400			400			555								4,20
KWB032020.0500			500			655								4,80
KWB040025.0100	40	25	100	50	50	270	38	40	3/8"	65	20,25	35	40	3,00
KWB040025.0150			150			320								3,40
KWB040025.0200			200			370								3,90
KWB040025.0250			250			420								4,40
KWB040025.0300			300			470								4,80
KWB040025.0400			400			570								5,80
KWB040025.0500			500			670								6,70
KWB040025.0600			600			770								7,60
KWB040025.0700			700			870								8,60
KWB040025.0800			800			970								9,50



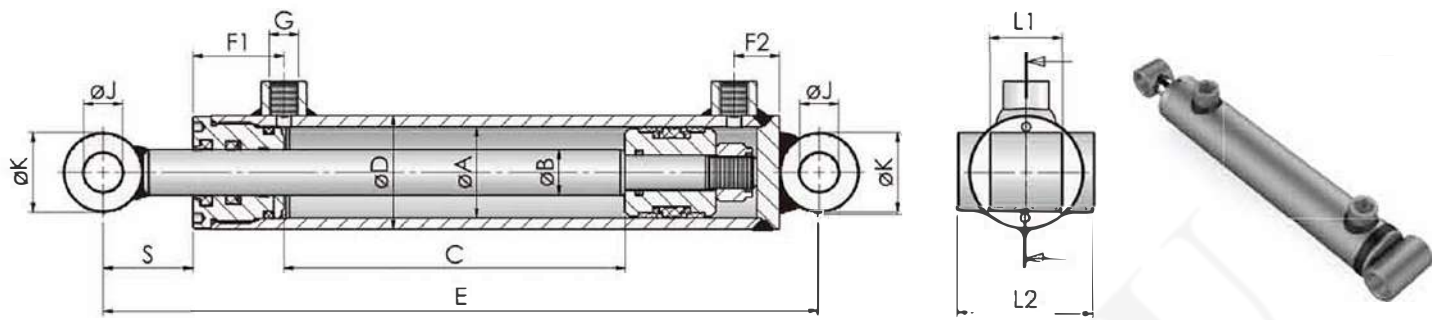
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	ØDF mm	E mm	F1	F2	G	S	ØJ	ØK	L	Kg
KWB050030.0100	50	30	100	60	60	300	42	43	3/8"	85	25,25	40	45	4,40
KWB050030.0150			150			350								5,00
KWB050030.0200			200			400								5,60
KWB050030.0250			250			450								6,20
KWB050030.0300			300			500								6,90
KWB050030.0400			400			600								8,10
KWB050030.0500			500			700								9,30
KWB050030.0600			600			800								10,50
KWB050030.0700			700			900								11,80
KWB050030.0800			800			1000								13,00
KWB050030.0900			900			1100								14,20
KWB050030.1000			1000			1200								15,50

KWB型双作用气缸带端塞孔

KWB DOUBLE ACTING CYLINDER WITH END PLUG HOLE

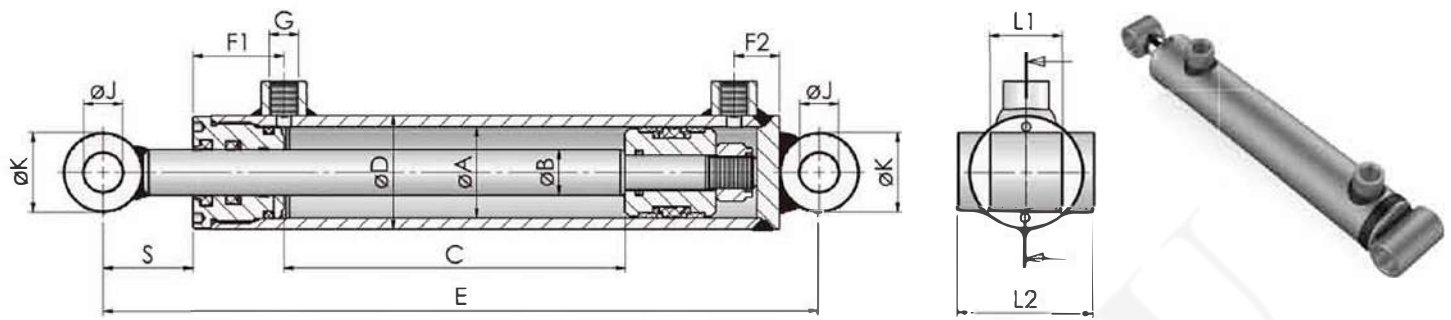
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	ØDF mm	E mm	F1	F2	G	S	ØJ	ØK	L	Kg
KWB060030.0100	60	30	100	70	70	300	36	50	3/8"	83	25,25	40	45	5,60
KWB060030.0150			150			350								6,30
KWB060030.0200			200			400								7,00
KWB060030.0250			250			450								7,70
KWB060030.0300			300			500								8,30
KWB060030.0350			350			550								9,00
KWB060030.0400			400			600								9,70
KWB060030.0450			450			650								10,40
KWB060030.0500			500			700								11,00
KWB060030.0600			600			800								12,40
KWB060030.0700			700			900								13,70
KWB060035.0200	60	35	200	70	70	400	36	50	3/8"	83	25,25	40	45	7,50
KWB060035.0300			300			500								9,00
KWB060035.0400			400			600								10,60
KWB060035.0500			500			700								12,10
KWB060035.0600			600			800								13,70
KWB060035.0700			700			900								15,20
KWB060035.0800			800			1000								16,80
KWB060035.0900			900			1100								18,30
KWB060035.1000			1000			1200								19,90
KWB070040.0200	70	40	200	80	80	410	46	50	3/8"	82	30,25	50	55	10,10
KWB070040.0250			250			460								11,00
KWB070040.0300			300			510								12,00
KWB070040.0350			350			560								13,00
KWB070040.0400			400			610								13,90
KWB070040.0450			450			660								14,90
KWB070040.0500			500			710								15,80
KWB070040.0600			600			810								17,70
KWB070040.0700			700			910								19,60
KWB070040.0800			800			1010								21,50
KWB070040.0900			900			1110								23,40
KWB080040.0200	80	40	200	92	90	410	42	60	3/8"	70	30,25	50	55	13,00
KWB080040.0250			250			460								14,20
KWB080040.0300			300			510								15,30
KWB080040.0350			350			560								16,40
KWB080040.0400			400			610								17,50
KWB080040.0500			500			710								19,80
KWB080040.0600			600			810								22,00
KWB080040.0700			700			910								24,30
KWB080040.0800			800			1010								26,50
KWB080040.0900			900			1110								28,80
KWB080040.1000			1000			1210								31,00
KWB100050.0200	100	50	200	115	115	425	45	66	1/2"	75	30,25	60	70	21,50
KWB100050.0300			300			525								25,00
KWB100050.0400			400			625								28,50
KWB100050.0500			500			725								32,00
KWB100050.0700			700			925								39,10
KWB100050.0900			900			1125								46,10
KWB100050.1000			1000			1225								49,60

KWC 带管端双作用气缸 KWC DOUBLE ACTING CYLINDER WITH TUBE ENDS



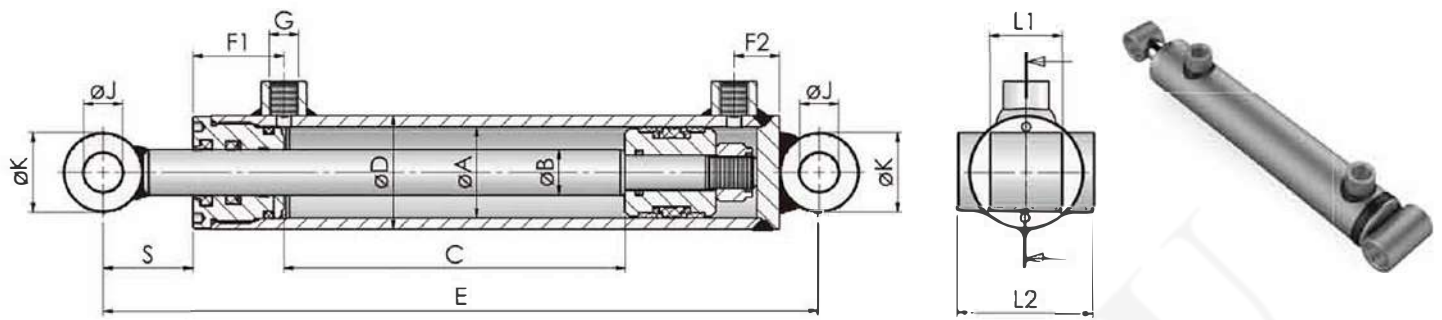
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L1	L2	S	Kg
KWC032020.0050	32	20	50	42	190	33	20	1/4"	16,25	35	30	60	33,5	1,90
KWC032020.0100			100		240									2,20
KWC032020.0150			150		290									2,60
KWC032020.0200			200		340									2,90
KWC032020.0250			250		390									3,30
KWC032020.0300			300		440									3,60
KWC032020.0400			400		540									4,30
KWC032020.0500			500		640									5,00
KWC040020.0100	40	20	100	50	265	40	23	1/4"	16,25	35	30	60	39,5	2,90
KWC040020.0150			150		315									3,30
KWC040020.0200			200		365									3,70
KWC040020.0250			250		415									4,10
KWC040020.0300			300		465									4,50
KWC040020.0350			350		515									4,90
KWC040020.0400			400		565									5,30
KWC040020.0450			450		615									5,70
KWC040020.0500			500		665									6,10
KWC040025.0100	40	25	100	50	265	40	23	1/4"	16,25	35	30	60	39,5	3,10
KWC040025.0150			150		315									3,60
KWC040025.0200			200		365									4,00
KWC040025.0250			250		415									4,50
KWC040025.0300			300		465									4,90
KWC040025.0350			350		515									4,40
KWC040025.0400			400		565									5,90
KWC040025.0450			450		615									6,30
KWC040025.0500			500		665									6,80
KWC040025.0550			550		715									7,20
KWC040025.0600			600		765									7,80
KWC050025.0100	50	25	100	60	280	43	26	3/8"	20,25	40	40	70	42	4,20
KWC050025.0150			150		330									4,70
KWC050025.0200			200		380									5,20
KWC050025.0250			250		430									5,70
KWC050025.0300			300		480									6,20
KWC050025.0350			350		530									6,80
KWC050025.0400			400		580									7,30
KWC050025.0450			450		630									8,20
KWC050025.0500			500		680									8,30
KWC050025.0550			550		730									8,90
KWC050025.0600			600		780									9,30
KWC050025.0800			800		980									11,60
KWC050025.1000			1000		1180									13,80

KWC 带管端双作用气缸 KWC DOUBLE ACTING CYLINDER WITH TUBE ENDS



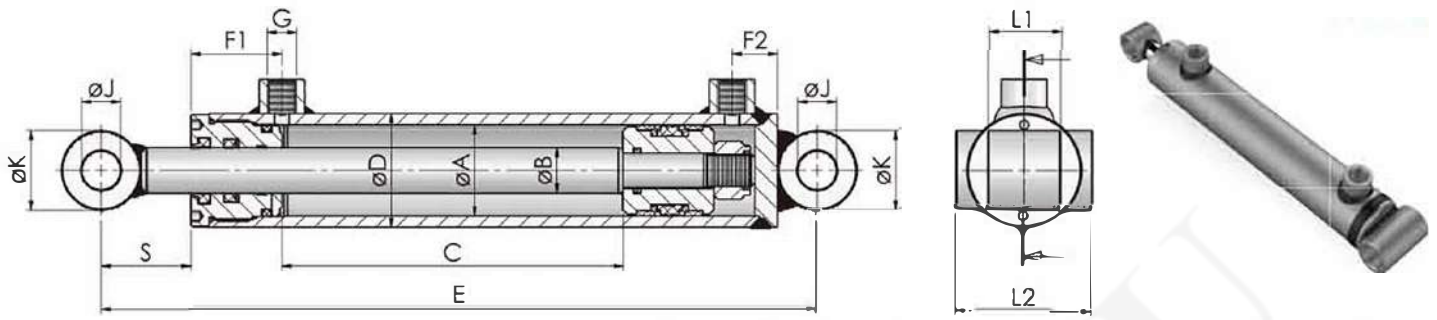
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L1	L2	S	Kg
KWC050030.0150	50	30	150	60	330	43	26	3/8"	20,25	40	40	70	42	5,00
KWC050030.0200			200		380									5,60
KWC050030.0250			250		430									6,20
KWC050030.0300			300		480									6,90
KWC050030.0350			350		530									7,40
KWC050030.0400			400		580									8,10
KWC050030.0450			450		630									8,70
KWC050030.0500			500		680									9,30
KWC050030.0550			550		730									9,90
KWC050030.0600			600		780									10,50
KWC050030.0700			700		880									11,70
KWC050030.0800			800		980									13,00
KWC050030.1000			1000		1180									15,50
KWC060030.0100	60	30	100	70	310	50	30	3/8"	25,25	50	50	80	48	6,40
KWC060030.0150			150		360									7,10
KWC060030.0200			200		410									7,70
KWC060030.0250			250		460									8,40
KWC060030.0300			300		510									9,10
KWC060030.0350			350		560									9,70
KWC060030.0400			400		610									10,40
KWC060030.0450			450		660									11,10
KWC060030.0500			500		710									11,80
KWC060030.0550			550		760									12,40
KWC060030.0600			600		810									13,10
KWC060030.0800			800		1010									15,80
KWC060030.1000			1000		1210									18,50
KWC060035.0100	60	35	100	70	310	50	30	3/8"	25,25	50	50	80	48	6,60
KWC060035.0150			150		360									7,40
KWC060035.0200			200		410									8,10
KWC060035.0250			250		460									8,90
KWC060035.0300			300		510									9,70
KWC060035.0350			350		560									10,50
KWC060035.0400			400		610									11,30
KWC060035.0450			450		660									12,00
KWC060035.0500			500		710									12,80
KWC060035.0550			550		760									13,50
KWC060035.0600			600		810									14,40
KWC060035.0800			800		1010									17,40
KWC060035.1000			1000		1210									20,50
KWC060040.0200	60	40	200	70	410	50	30	3/8"	25,25	50	50	80	48	8,80
KWC060040.0250			250		460									9,70
KWC060040.0300			300		510									10,60
KWC060040.0350			350		560									11,40
KWC060040.0400			400		610									12,30
KWC060040.0450			450		660									13,20
KWC060040.0500			500		710									14,10
KWC060040.0550			550		760									15,00
KWC060040.0600			600		810									15,80
KWC060040.0800			800		1010									19,40
KWC060040.1000			1000		1210									22,90

KWC 带管端双作用气缸 KWC DOUBLE ACTING CYLINDER WITH TUBE ENDS

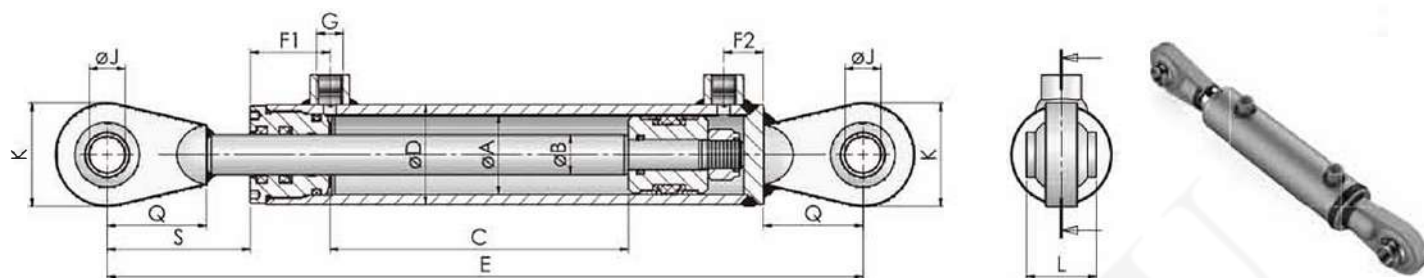


Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L1	L2	S	Kg
KWC063040.0200	63	40	200	73	410	50	30	3/8"	25,25	50	50	80	48	9,20
KWC063040.0250			250		460									10,10
KWC063040.0300			300		510									11,00
KWC063040.0350			350		560									11,90
KWC063040.0400			400		610									12,80
KWC063040.0450			450		660									13,70
KWC063040.0500			500		710									14,60
KWC063040.0550			550		760									15,50
KWC063040.0600			600		810									16,40
KWC063040.0800			800		1010									20,10
KWC063040.1000			1000		1210									23,70
KWC070035.0100	70	35	100	80	310	50	33	3/8"	25,25	50	50	80	48	7,60
KWC070035.0150			150		360									8,50
KWC070035.0200			200		410									9,30
KWC070035.0250			250		460									10,20
KWC070035.0300			300		510									11,00
KWC070035.0350			350		560									11,80
KWC070035.0400			400		610									12,60
KWC070035.0450			450		660									13,40
KWC070035.0500			500		710									14,20
KWC070035.0550			550		760									15,20
KWC070035.0600			600		810									15,80
KWC070035.0800			800		1010									19,10
KWC070035.1000			1000		1210									22,80
KWC070040.0200	70	40	200	80	410	50	33	3/8"	25,25	50	50	80	48	9,80
KWC070040.0250			250		460									10,80
KWC070040.0300			300		510									11,80
KWC070040.0350			350		560									12,80
KWC070040.0400			400		610									14,40
KWC070040.0450			450		660									14,70
KWC070040.0500			500		710									15,60
KWC070040.0550			550		760									16,70
KWC070040.0600			600		810									17,50
KWC070040.0800			800		1010									21,30
KWC070040.1000			1000		1210									25,10
KWC080040.0200	80	40	200	92	440	60	35	1/2"	30,25	60	60	110	55	14,00
KWC080040.0250			250		490									15,10
KWC080040.0300			300		540									16,20
KWC080040.0400			400		640									18,40
KWC080040.0500			500		740									20,60
KWC080040.0600			600		840									22,90
KWC080040.0800			800		1040									27,40
KWC080040.1000			1000		1240									31,80

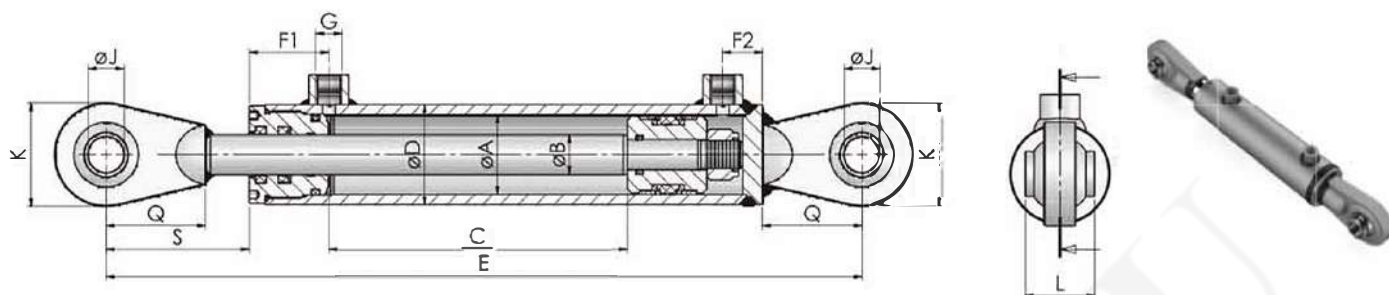
KWC 带管端双作用气缸 KWC DOUBLE ACTING CYLINDER WITH TUBE ENDS



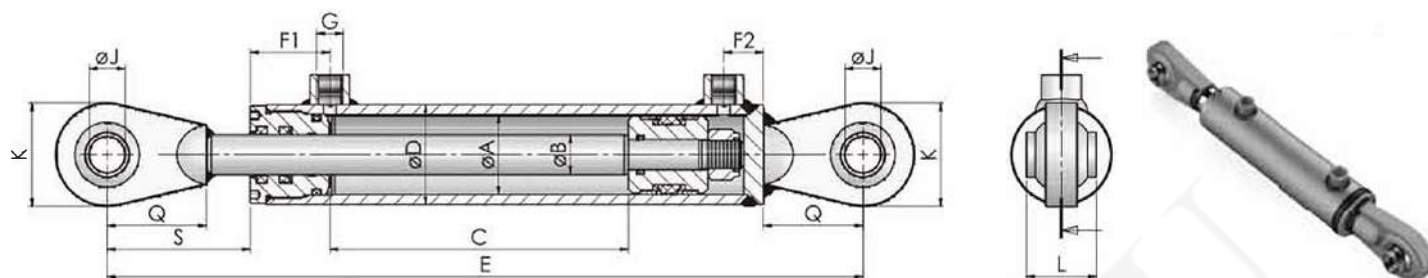
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L1	L2	S	Kg
KWC080050.0200	80	50	200	92	440	60	35	1/2"	30,25	60	60	110	55	15,20
KWC080050.0250			250		490									16,60
KWC080050.0300			300		540									18,00
KWC080050.0400			400		640									20,80
KWC080050.0500			500		740									23,60
KWC080050.0600			600		840									26,90
KWC080050.0800			800		1040									32,40
KWC080050.1000			1000		1240									37,90
KWC090050.0300	90	50	300	105	556	60	40	1/2"	40,25	70	70	130	58	23,70
KWC090050.0400			400		656									27,00
KWC090050.0500			500		756									30,30
KWC090050.0600			600		856									33,70
KWC090050.0800			800		1056									40,30
KWC090050.1000			1000		1256									47,00
KWC100050.0200	100	50	200	115	480	82	38	1/2"	40,25	70	70	130	60	23,90
KWC100050.0250			250		530									25,90
KWC100050.0300			300		580									27,40
KWC100050.0400			400		680									30,90
KWC100050.0500			500		780									34,40
KWC100050.0600			600		880									37,90
KWC100050.0800			800		1080									44,90
KWC100050.1000			1000		1280									51,90
KWC100060.0300	100	60	300	115	580	82	38	1/2"	40,25	70	70	130	60	29,90
KWC100060.0400			400		680									33,90
KWC100060.0500			500		780									37,90
KWC100060.0600			600		880									41,90
KWC100060.0800			800		1080									50,40
KWC100060.1000			1000		1280									58,90



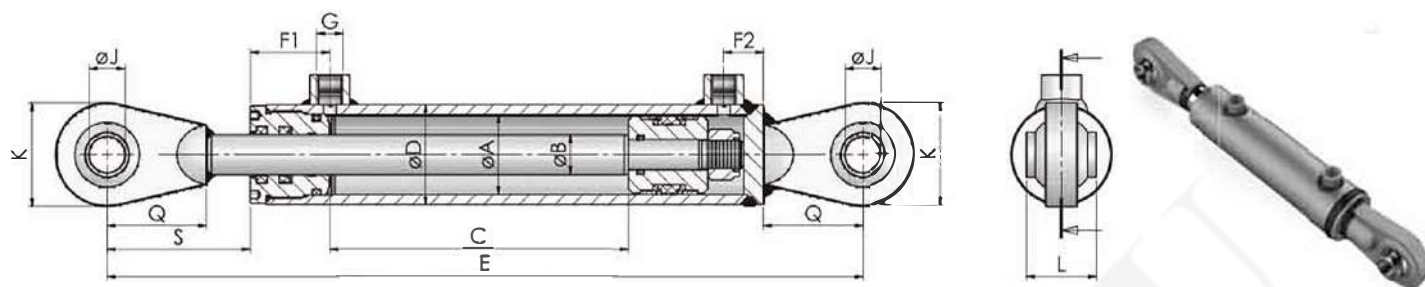
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L	Q	S	Kg
KWD032020.0050	32	20	50	42	275	33	20	1/4"	16,2	46	20	60	76	1,90
KWD032020.0100			100		325									2,20
KWD032020.0150			150		375									2,60
KWD032020.0200			200		425									2,90
KWD032020.0250			250		475									3,30
KWD032020.0300			300		525									3,60
KWD032020.0400			400		625									4,30
KWD032020.0500			500		725									5,00
KWD040020.0100	40	20	100	50	350	40	23	1/4"	16,2	46	20	60	82	2,90
KWD040020.0150			150		400									3,30
KWD040020.0200			200		450									3,70
KWD040020.0250			250		500									4,10
KWD040020.0300			300		550									4,50
KWD040020.0350			350		600									4,90
KWD040020.0400			400		650									5,30
KWD040020.0450			450		700									5,70
KWD040020.0500			500		750									6,10
KWD040025.0100	40	25	100	50	350	40	23	1/4"	16,2	46	20	60	82	3,10
KWD040025.0150			150		400									3,60
KWD040025.0200			200		450									4,00
KWD040025.0250			250		500									4,50
KWD040025.0300			300		550									4,90
KWD040025.0350			350		600									5,40
KWD040025.0400			400		650									5,90
KWD040025.0450			450		700									6,30
KWD040025.0500			500		750									6,80
KWD040025.0550			550		800									7,20
KWD040025.0600			600		850									7,80
KWD050025.0100	50	25	100	60	356	43	26	3/8"	20,2	62	44	58	80	4,60
KWD050025.0150			150		406									5,10
KWD050025.0200			200		456									5,70
KWD050025.0250			250		506									6,20
KWD050025.0300			300		556									6,70
KWD050025.0350			350		606									7,30
KWD050025.0400			400		656									7,70
KWD050025.0450			450		706									8,60
KWD050025.0500			500		756									8,70
KWD050025.0550			550		806									9,40
KWD050025.0600			600		856									9,80
KWD050025.0800			800		1056									12,00
KWD050025.1000			1000		1256									14,20



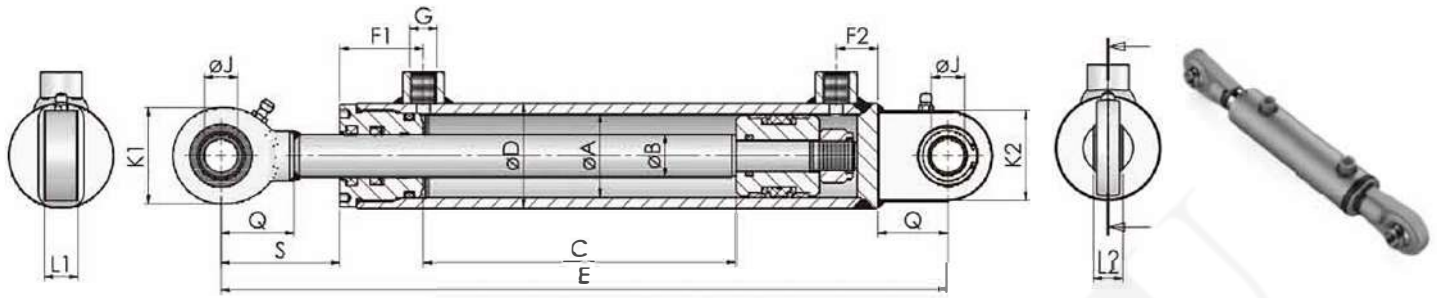
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L	Q	S	Kg
KWD050030.0150	50	30	150	60	406	43	26	3/8"	20,2	62	44	58	80	5,40
KWD050030.0200			200		456									6,10
KWD050030.0250			250		506									6,70
KWD050030.0300			300		556									7,30
KWD050030.0350			350		606									7,90
KWD050030.0400			400		656									8,50
KWD050030.0450			450		706									9,10
KWD050030.0500			500		756									9,70
KWD050030.0550			550		806									10,40
KWD050030.0600			600		856									11,00
KWD050030.0700			700		956									12,20
KWD050030.0800			800		1056									13,40
KWD050030.1000			1000		1256									15,90
KWD060030.0100	60	30	100	70	390	50	30	3/8"	25,4	75	51	65	88	6,80
KWD060030.0150			150		440									7,50
KWD060030.0200			200		490									8,20
KWD060030.0250			250		540									8,80
KWD060030.0300			300		590									9,50
KWD060030.0350			350		640									10,20
KWD060030.0400			400		690									10,90
KWD060030.0450			450		740									11,50
KWD060030.0500			500		790									12,20
KWD060030.0550			550		840									12,80
KWD060030.0600			600		890									13,60
KWD060030.0800			800		1090									16,20
KWD060030.1000			1000		1290									19,00
KWD060035.0100	60	35	100	70	390	50	30	3/8"	25,4	75	51	65	88	7,00
KWD060035.0150			150		440									7,80
KWD060035.0200			200		490									8,60
KWD060035.0250			250		540									9,40
KWD060035.0300			300		590									10,10
KWD060035.0350			350		640									10,90
KWD060035.0400			400		690									11,70
KWD060035.0450			450		740									12,40
KWD060035.0500			500		790									13,20
KWD060035.0550			550		840									14,00
KWD060035.0600			600		890									14,80
KWD060035.0800			800		1090									17,80
KWD060035.1000			1000		1290									20,90
KWD060040.0200	60	40	200	70	490	50	30	3/8"	25,4	75	51	65	88	9,20
KWD060040.0250			250		540									10,10
KWD060040.0300			300		590									11,00
KWD060040.0350			350		640									11,90
KWD060040.0400			400		690									12,80
KWD060040.0450			450		740									13,60
KWD060040.0500			500		790									14,50
KWD060040.0550			550		840									15,40
KWD060040.0600			600		890									16,30
KWD060040.0800			800		1090									19,80
KWD060040.1000			1000		1290									23,40



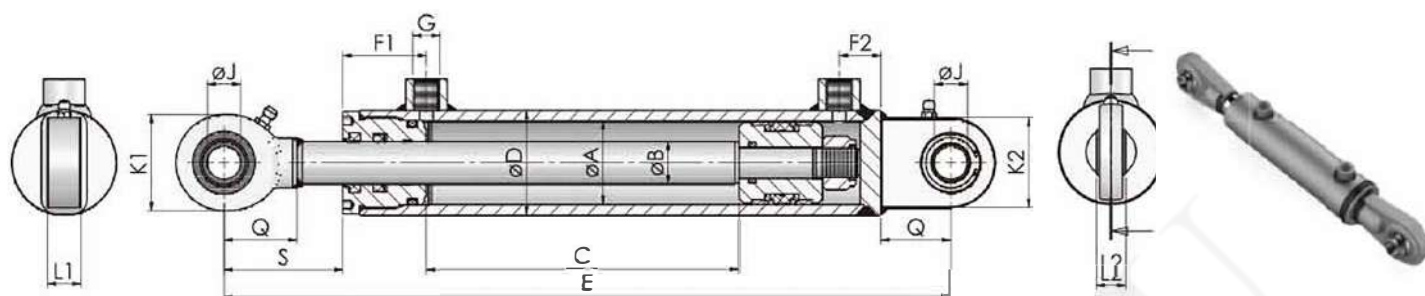
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L	Q	S	Kg
KWD063040.0200	63	40	200	73	490	50	30	3/8"	25,4	75	51	65	88	9,60
KWD063040.0250			250		540									10,50
KWD063040.0300			300		590									11,40
KWD063040.0350			350		640									12,30
KWD063040.0400			400		690									13,20
KWD063040.0450			450		740									14,10
KWD063040.0500			500		790									15,00
KWD063040.0550			550		840									15,90
KWD063040.0600			600		890									16,80
KWD063040.0800			800		1090									20,50
KWD063040.1000			1000		1290									24,10
KWD070035.0100	70	35	100	80	390	50	33	3/8"	25,4	75	51	65	88	8,10
KWD070035.0150			150		440									8,90
KWD070035.0200			200		490									9,70
KWD070035.0250			250		540									10,60
KWD070035.0300			300		590									11,40
KWD070035.0350			350		640									12,20
KWD070035.0400			400		690									13,00
KWD070035.0450			450		740									13,90
KWD070035.0500			500		790									14,60
KWD070035.0550			550		840									15,60
KWD070035.0600			600		890									16,20
KWD070035.0800			800		1090									19,50
KWD070035.1000			1000		1290									23,20
KWD070040.0200	70	40	200	80	490	50	33	3/8"	25,4	75	51	65	88	10,30
KWD070040.0250			250		540									11,20
KWD070040.0300			300		590									12,20
KWD070040.0350			350		640									13,20
KWD070040.0400			400		690									14,80
KWD070040.0450			450		740									15,10
KWD070040.0500			500		790									16,00
KWD070040.0550			550		840									17,10
KWD070040.0600			600		890									18,00
KWD070040.0800			800		1090									21,70
KWD070040.1000			1000		1290									25,50
KWD080040.0200	80	40	200	92	510	60	35	1/2"	30,2	83	55	65	90	13,90
KWD080040.0250			250		560									15,10
KWD080040.0300			300		610									16,20
KWD080040.0400			400		710									18,40
KWD080040.0500			500		810									20,60
KWD080040.0600			600		910									22,80
KWD080040.0800			800		1110									27,30
KWD080040.1000			1000		1310									31,80



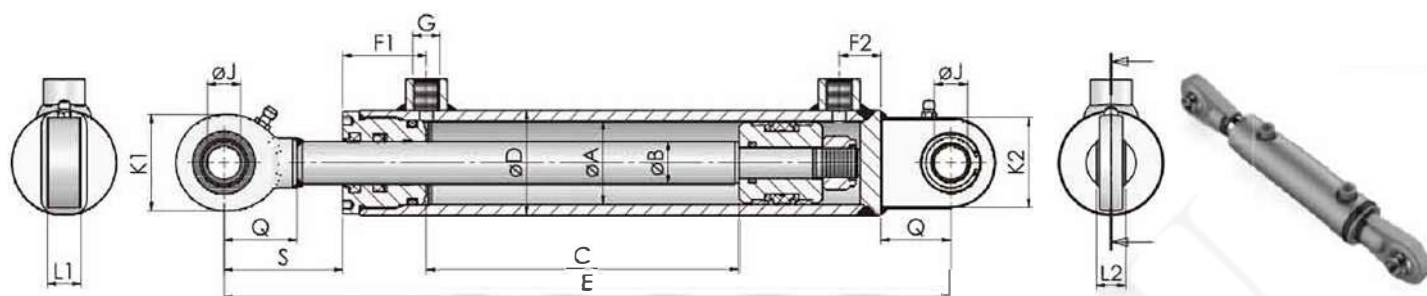
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L	Q	S	Kg
KWD080050.0200	80	50	200	92	510	60	35	1/2"	30,2	83	55	65	90	15,20
KWD080050.0250			250		560									16,60
KWD080050.0300			300		610									18,00
KWD080050.0400			400		710									20,80
KWD080050.0500			500		810									23,50
KWD080050.0600			600		910									26,80
KWD080050.0800			800		1110									32,30
KWD080050.1000			1000		1310									37,80
KWD090050.0300	90	50	300	105	656	60	40	1/2"	40,2	108	75	85	108	26,30
KWD090050.0400			400		756									29,60
KWD090050.0500			500		856									32,90
KWD090050.0600			600		956									36,30
KWD090050.0800			800		1156									42,90
KWD090050.1000			1000		1356									49,60
KWD100050.0200	100	50	200	115	580	82	38	1/2"	40,2	108	75	85	110	26,50
KWD100050.0250			250		630									28,50
KWD100050.0300			300		680									30,00
KWD100050.0400			400		780									33,50
KWD100050.0500			500		880									37,00
KWD100050.0600			600		980									40,50
KWD100050.0800			800		1180									47,50
KWD100050.1000			1000		1380									54,50
KWD100060.0300	100	60	300	115	680	82	38	1/2"	40,2	108	75	85	110	32,50
KWD100060.0400			400		780									36,50
KWD100060.0500			500		880									40,50
KWD100060.0600			600		980									44,50
KWD100060.0800			800		1180									53,00
KWD100060.1000			1000		1380									61,50



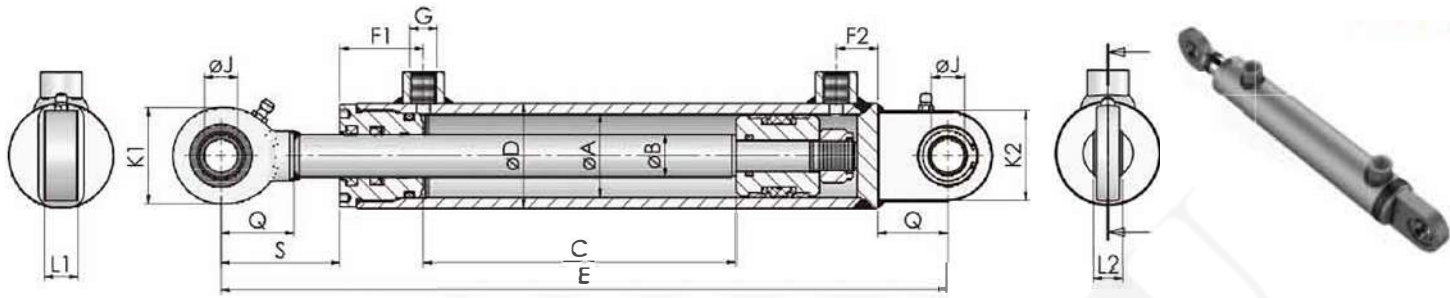
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K1	K2	L1	L2	Q	S	Kg
KWE032020.0050	32	20	50	42	225	33	20	1/4"	16	46	48	17,5	14	35	51	1,80
KWE032020.0100			100		275											2,10
KWE032020.0150			150		325											2,50
KWE032020.0200			200		375											2,80
KWE032020.0250			250		425											3,20
KWE032020.0300			300		475											3,50
KWE032020.0400			400		575											4,20
KWE032020.0500			500		675											4,90
KWE040020.0100	40	20	100	50	300	40	23	1/4"	16	46	48	17,5	14	35	57	2,80
KWE040020.0150			150		350											3,20
KWE040020.0200			200		400											3,60
KWE040020.0250			250		450											4,00
KWE040020.0300			300		500											4,40
KWE040020.0350			350		550											4,80
KWE040020.0400			400		600											5,20
KWE040020.0450			450		650											5,60
KWE040020.0500			500		700											6,00
KWE040025.0100	40	25	100	50	300	40	23	1/4"	16	46	48	17,5	14	35	57	3,00
KWE040025.0150			150		350											3,50
KWE040025.0200			200		400											3,90
KWE040025.0250			250		450											4,40
KWE040025.0300			300		500											4,90
KWE040025.0350			350		550											5,30
KWE040025.0400			400		600											5,80
KWE040025.0450			450		650											6,30
KWE040025.0500			500		700											6,70
KWE040025.0550			550		750											7,10
KWE040025.0600			600		800											7,70
KWE050025.0100	50	25	100	60	316	43	26	3/8"	20	53	50	19	16	38	60	4,00
KWE050025.0150			150		366											4,50
KWE050025.0200			200		416											5,00
KWE050025.0250			250		466											5,50
KWE050025.0300			300		516											6,00
KWE050025.0350			350		566											6,60
KWE050025.0400			400		616											7,10
KWE050025.0450			450		666											8,00
KWE050025.0500			500		716											8,10
KWE050025.0550			550		766											8,80
KWE050025.0600			600		816											9,20
KWE050025.0800			800		1016											11,40
KWE050025.1000			1000		1216											13,60



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K1	K2	L1	L2	Q	S	Kg
KWE050030.0150			150		366											4,80
KWE050030.0200			200		416											5,40
KWE050030.0250			250		466											6,00
KWE050030.0300			300		516											6,70
KWE050030.0350			350		566											7,20
KWE050030.0400			400		616											7,90
KWE050030.0450	50	30	450	60	666	43	26	3/8"	20	53	50	19	16	38	60	8,50
KWE050030.0500			500		716											9,10
KWE050030.0550			550		766											9,70
KWE050030.0600			600		816											10,30
KWE050030.0700			700		916											11,50
KWE050030.0800			800		1016											12,80
KWE050030.1000			1000		1216											15,30
KWE060030.0100			100		350											5,90
KWE060030.0150			150		400											6,60
KWE060030.0200			200		450											7,30
KWE060030.0250			250		500											7,90
KWE060030.0300			300		550											8,60
KWE060030.0350			350		600											9,30
KWE060030.0400	60	30	400	70	650	50	30	3/8"	25	64	55	23	20	45	68	10,00
KWE060030.0450			450		700											10,60
KWE060030.0500			500		750											11,30
KWE060030.0550			550		800											11,90
KWE060030.0600			600		850											12,70
KWE060030.0800			800		1050											15,30
KWE060030.1000			1000		1250											18,10
KWE060035.0100			100		350											6,10
KWE060035.0150			150		400											6,90
KWE060035.0200			200		450											7,70
KWE060035.0250			250		500											8,50
KWE060035.0300			300		550											9,20
KWE060035.0350			350		600											10,00
KWE060035.0400	60	35	400	70	650	50	30	3/8"	25	64	55	23	20	45	68	10,80
KWE060035.0450			450		700											11,50
KWE060035.0500			500		750											12,30
KWE060035.0550			550		800											13,10
KWE060035.0600			600		850											13,90
KWE060035.0800			800		1050											16,90
KWE060035.1000			1000		1250											20,00
KWE060040.0200			200		450											8,30
KWE060040.0250			250		500											9,20
KWE060040.0300			300		550											10,10
KWE060040.0350			350		600											11,00
KWE060040.0400			400		650											11,90
KWE060040.0450	60	40	450	70	700	50	30	3/8"	25	64	55	23	20	45	68	12,70
KWE060040.0500			500		750											13,60
KWE060040.0550			550		800											14,50
KWE060040.0600			600		850											15,40
KWE060040.0800			800		1050											18,90
KWE060040.1000			1000		1250											22,50

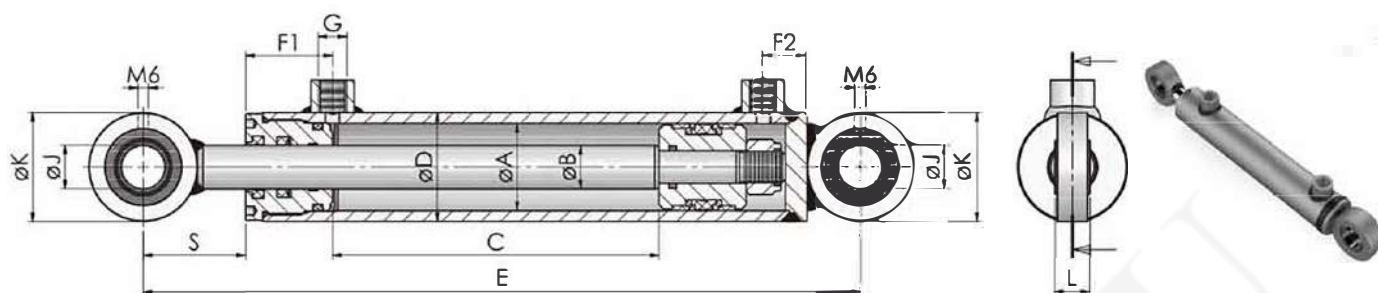


Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K1	K2	L1	L2	Q	S	Kg
KWE063040.0200	63	40	200	73	450	50	30	3/8"	25	64	55	23	20	45	68	8,70
KWE063040.0250			250		500											9,60
KWE063040.0300			300		550											10,50
KWE063040.0350			350		600											11,40
KWE063040.0400			400		650											12,30
KWE063040.0450			450		700											13,20
KWE063040.0500			500		750											14,10
KWE063040.0550			550		800											15,00
KWE063040.0600			600		850											15,90
KWE063040.0800			800		1050											19,60
KWE063040.1000			1000		1250											23,20
KWE070035.0100	70	35	100	80	350	50	33	3/8"	25	64	55	23	20	45	68	7,20
KWE070035.0150			150		400											8,00
KWE070035.0200			200		450											8,80
KWE070035.0250			250		500											9,70
KWE070035.0300			300		550											10,50
KWE070035.0350			350		600											11,30
KWE070035.0400			400		650											12,10
KWE070035.0450			450		700											13,00
KWE070035.0500			500		750											13,70
KWE070035.0550			550		800											14,70
KWE070035.0600			600		850											15,30
KWE070035.0800			800		1050											18,60
KWE070035.1000			1000		1250											22,30
KWE070040.0200	70	40	200	80	450	50	33	3/8"	25	64	55	23	20	45	68	9,40
KWE070040.0250			250		500											10,30
KWE070040.0300			300		550											11,30
KWE070040.0350			350		600											12,30
KWE070040.0400			400		650											13,90
KWE070040.0450			450		700											14,20
KWE070040.0500			500		750											15,10
KWE070040.0550			550		800											16,20
KWE070040.0600			600		850											17,10
KWE070040.0800			800		1050											20,80
KWE070040.1000			1000		1250											24,60
KWE080040.0200	80	40	200	92	482	60	35	1/2"	30	73	65	28	22	51	76	12,70
KWE080040.0250			250		532											13,90
KWE080040.0300			300		582											15,00
KWE080040.0400			400		682											17,20
KWE080040.0500			500		782											19,40
KWE080040.0600			600		882											21,60
KWE080040.0800			800		1082											26,10
KWE080040.1000			1000		1282											30,60



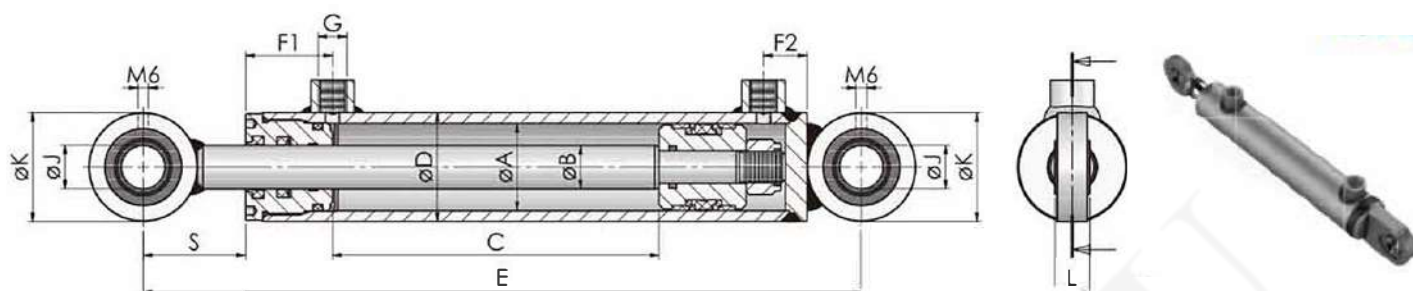
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K1	K2	L1	L2	Q	S	Kg
KWE080050.0200	80	50	200	92	482	60	35	1/2"	30	73	65	28	22	51	76	14,00
KWE080050.0250			250		532											15,40
KWE080050.0300			300		582											16,80
KWE080050.0400			400		682											19,60
KWE080050.0500			500		782											22,30
KWE080050.0600			600		882											25,60
KWE080050.0800			800		1082											31,10
KWE080050.1000			1000		1282											36,60
KWE090050.0300	90	50	300	105	624	60	40	1/2"	40	92	100	35	28	69	92	23,30
KWE090050.0400			400		724											26,60
KWE090050.0500			500		824											30,00
KWE090050.0600			600		924											33,30
KWE090050.0800			800		1124											40,00
KWE090050.1000			1000		1324											46,60
KWE100050.0200	100	50	200	115	548	82	38	1/2"	40	92	100	35	28	69	94	23,50
KWE100050.0250			250		598											25,50
KWE100050.0300			300		648											27,00
KWE100050.0400			400		748											30,80
KWE100050.0500			500		848											34,00
KWE100050.0600			600		948											37,50
KWE100050.0800			800		1148											44,50
KWE100050.1000			1000		1348											51,50
KWE100060.0300	100	60	300	115	648	82	38	1/2"	40	92	100	35	28	69	94	29,50
KWE100060.0400			400		748											33,50
KWE100060.0500			500		848											37,50
KWE100060.0600			600		948											41,50
KWE100060.0800			800		1148											50,00
KWE100060.1000			1000		1348											58,50

KWF带GE的双作用气缸，用于球形接头 KWF DOUBLE ACTING CYLINDER WITH GE FOR BALL JOINTS



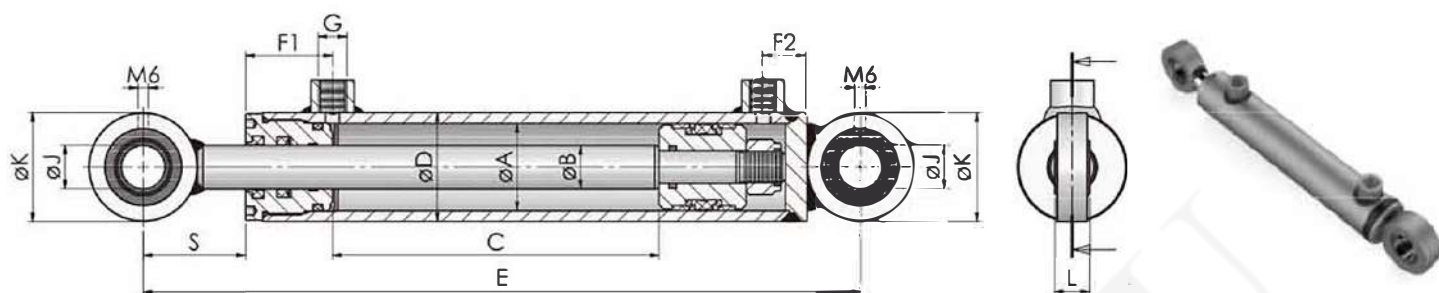
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L	S	Kg
KWF032020.0050			50		95								1,50
KWF032020.0100			100		245								1,80
KWF032020.0150			150		295								2,20
KWF032020.0200			200		345								2,50
KWF032020.0250	32	20	250	42	395	33	20	1/4"	15	40	12	36	2,90
KWF032020.0300			300		445								3,20
KWF032020.0400			400		545								3,90
KWF032020.0500			500		645								4,60
KWF040020.0100			100		280								2,60
KWF040020.0150			150		330								3,00
KWF040020.0200			200		380								3,40
KWF040020.0250			250		430								3,80
KWF040020.0300	40	20	300	50	480	40	23	1/4"	20	50	16	47	4,20
KWF040020.0350			350		530								4,60
KWF040020.0400			400		580								5,00
KWF040020.0450			450		630								5,40
KWF040020.0500			500		680								5,80
KWF040025.0100			100		280								2,80
KWF040025.0150			150		330								3,30
KWF040025.0200			200		380								3,70
KWF040025.0250			250		430								4,20
KWF040025.0300			300		480								4,60
KWF040025.0350	40	25	350	50	530	40	23	1/4"	20	50	16	47	5,10
KWF040025.0400			400		580								5,60
KWF040025.0450			450		630								6,00
KWF040025.0500			500		680								6,50
KWF040025.0550			550		730								6,90
KWF040025.0600			600		780								7,40
KWF050025.0100			100		309								4,10
KWF050025.0150			150		359								4,60
KWF050025.0200			200		409								5,10
KWF050025.0250			250		459								5,60
KWF050025.0300			300		509								6,10
KWF050025.0350			350		559								6,70
KWF050025.0400	50	25	400	60	609	43	26	3/8"	25	69	20	56,5	7,20
KWF050025.0450			450		659								8,10
KWF050025.0500			500		709								8,20
KWF050025.0550			550		759								8,90
KWF050025.0600			600		809								9,30
KWF050025.0800			800		1009								11,50
KWF050025.1000			1000		1209								13,70

KWF带GE的双作用气缸，用于球形接头 KWF DOUBLE ACTING CYLINDER WITH GE FOR BALL JOINTS



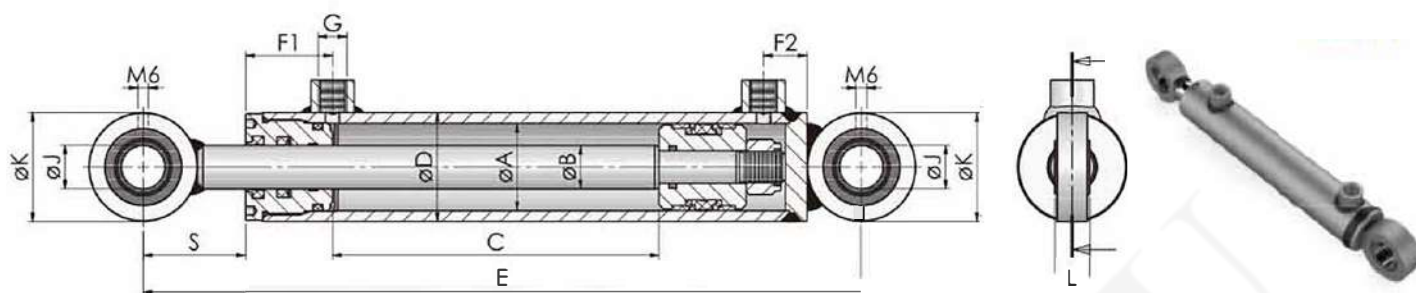
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L	S	Kg
KWF050030.0150			150		359								4,90
KWF050030.0200			200		409								5,50
KWF050030.0250			250		459								6,10
KWF050030.0300			300		509								6,80
KWF050030.0350			350		559								7,30
KWF050030.0400			400		609								8,00
KWF050030.0450	50	30	450	60	659	43	26	3/8"	25	69	20	56,5	8,60
KWF050030.0500			500		709								9,20
KWF050030.0550			550		759								9,80
KWF050030.0600			600		809								10,40
KWF050030.0700			700		909								11,60
KWF050030.0800			800		1009								12,90
KWF050030.1000			1000		1209								15,40
KWF060030.0100			100		329								5,60
KWF060030.0150			150		379								6,30
KWF060030.0200			200		429								7,00
KWF060030.0250			250		479								7,70
KWF060030.0300			300		529								8,30
KWF060030.0350			350		579								9,00
KWF060030.0400	60	30	400	70	629	50	30	3/8"	25	69	20	57,5	9,70
KWF060030.0450			450		679								10,30
KWF060030.0500			500		729								11,00
KWF060030.0550			550		779								11,70
KWF060030.0600			600		829								12,40
KWF060030.0800			800		1029								15,10
KWF060030.1000			1000		1229								17,80
KWF060035.0100			100		329								5,90
KWF060035.0150			150		379								6,60
KWF060035.0200			200		429								7,40
KWF060035.0250			250		479								8,20
KWF060035.0300			300		529								8,90
KWF060035.0350			350		579								9,70
KWF060035.0400	60	35	400	70	629	50	30	3/8"	25	69	20	57,5	10,50
KWF060035.0450			450		679								11,30
KWF060035.0500			500		729								12,00
KWF060035.0550			550		779								12,80
KWF060035.0600			600		829								13,60
KWF060035.0800			800		1029								16,70
KWF060035.1000			1000		1229								19,70
KWF060040.0200			200		429								8,00
KWF060040.0250			250		479								8,90
KWF060040.0300			300		529								9,80
KWF060040.0350			350		579								10,70
KWF060040.0400			400		629								11,60
KWF060040.0450	60	40	450	70	679	50	30	3/8"	25	69	20	57,5	12,40
KWF060040.0500			500		729								13,30
KWF060040.0550			550		779								14,20
KWF060040.0600			600		829								15,10
KWF060040.0800			800		1029								18,60
KWF060040.1000			1000		1229								22,20

KWF带GE的双作用气缸，用于球形接头 KWF DOUBLE ACTING CYLINDER WITH GE FOR BALL JOINTS

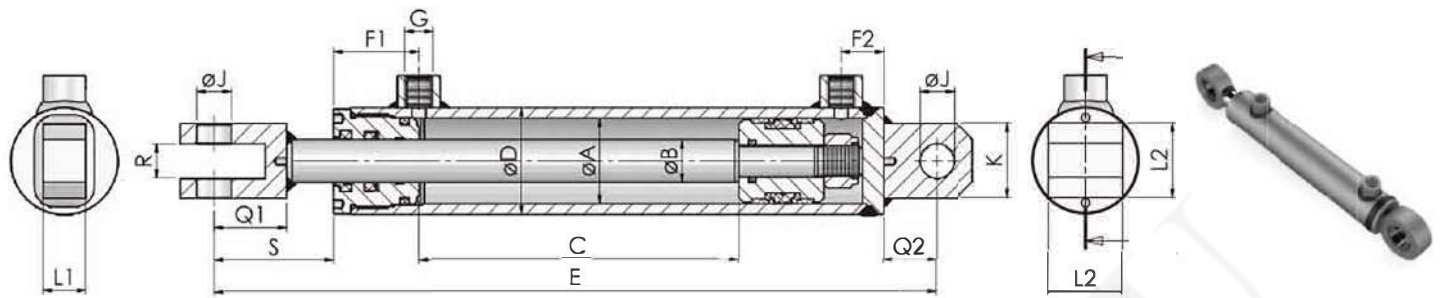


Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	ØK	L	S	Kg
KWF063040.0200			200		429								8,40
KWF063040.0250			250		479								9,30
KWF063040.0300			300		529								10,20
KWF063040.0350			350		579								11,10
KWF063040.0400			400		629								12,00
KWF063040.0450	63	40	450	73	679	50	30	3/8"	25	69	20	57,5	12,90
KWF063040.0500			500		729								13,80
KWF063040.0550			550		779								14,70
KWF063040.0600			600		829								15,60
KWF063040.0800			800		1029								19,30
KWF063040.1000			1000		1229								22,90
KWF070035.0100			100		335								7,00
KWF070035.0150			150		385								7,90
KWF070035.0200			200		435								8,30
KWF070035.0250			250		485								9,50
KWF070035.0300			300		535								10,30
KWF070035.0350			350		585								11,20
KWF070035.0400	70	35	400	80	635	50	33	3/8"	30	75	22	60,5	11,90
KWF070035.0450			450		685								12,80
KWF070035.0500			500		735								13,50
KWF070035.0550			550		785								14,60
KWF070035.0600			600		835								15,10
KWF070035.0800			800		1035								18,50
KWF070035.1000			1000		1235								22,20
KWF070040.0200			200		435								9,20
KWF070040.0250			250		485								10,20
KWF070040.0300			300		535								11,20
KWF070040.0350			350		585								12,10
KWF070040.0400			400		635								13,70
KWF070040.0450	70	40	450	80	685	50	33	3/8"	30	75	22	60,5	14,00
KWF070040.0500			500		735								14,90
KWF070040.0550			550		785								16,00
KWF070040.0600			600		835								16,90
KWF070040.0800			800		1035								20,70
KWF070040.1000			1000		1235								24,40
KWF080040.0200			200		474								12,80
KWF080040.0250			250		524								13,90
KWF080040.0300			300		574								15,00
KWF080040.0400	80	40	400	92	674	60	35	1/2"	40	94	28	72	17,30
KWF080040.0500			500		774								19,50
KWF080040.0600			600		874								21,70
KWF080040.0800			800		1074								26,20
KWF080040.1000			1000		1274								30,60

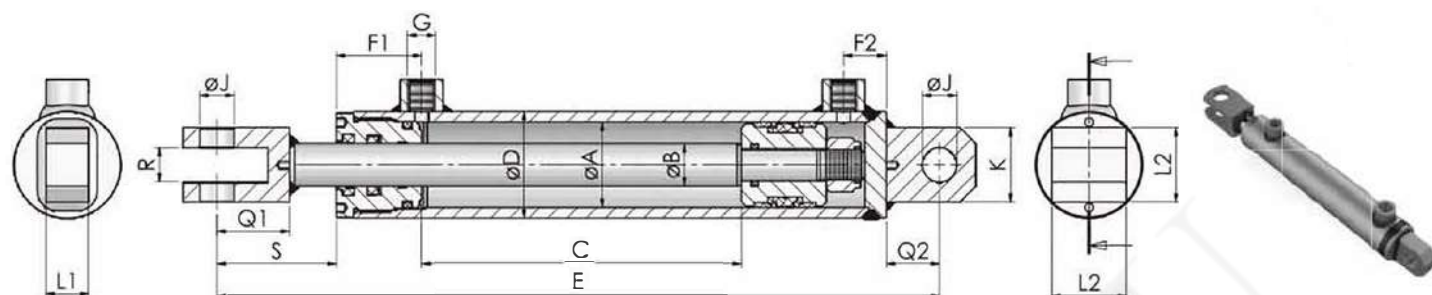
KWF带GE的双作用气缸，用于球形接头 KWF DOUBLE ACTING CYLINDER WITH GE FOR BALL JOINTS



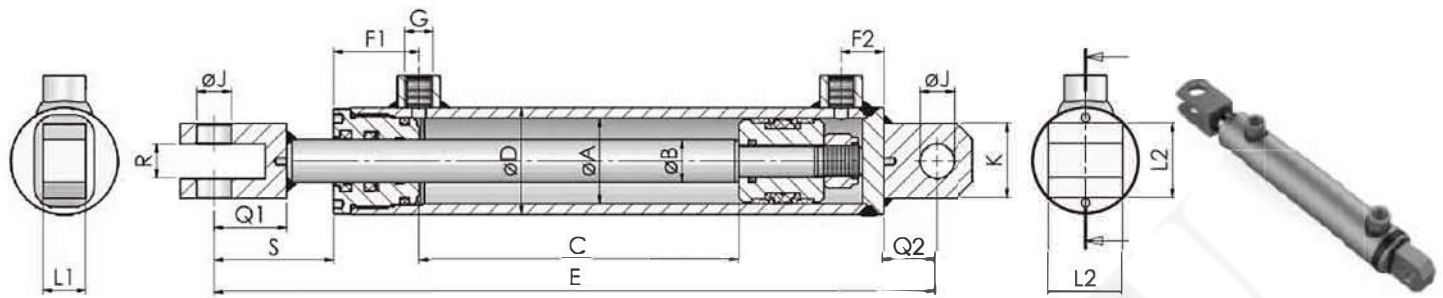
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ mm	ØK mm	L mm	S mm	Kg
KWF080050.0200	80	50	200	92	474	60	35	1/2"	40	94	28	72	14,00
KWF080050.0250			250		524								15,40
KWF080050.0300			300		574								16,80
KWF080050.0400			400		674								19,60
KWF080050.0500			500		774								22,40
KWF080050.0600			600		874								25,70
KWF080050.0800			800		1074								31,20
KWF080050.1000			1000		1274								36,70
KWF090050.0300	90	50	300	105	580	60	40	1/2"	40	94	28	70	21,00
KWF090050.0400			400		680								24,30
KWF090050.0500			500		780								27,70
KWF090050.0600			600		880								31,00
KWF090050.0800			800		1080								37,70
KWF090050.1000			1000		1280								44,30
KWF100050.0200	100	50	200	115	530	82	38	1/2"	50	120	40	85	24,00
KWF100050.0250			250		580								26,00
KWF100050.0300			300		630								27,50
KWF100050.0400			400		730								31,00
KWF100050.0500			500		830								34,50
KWF100050.0600			600		930								38,00
KWF100050.0800			800		1130								45,00
KWF100050.1000			1000		1330								52,00
KWF100060.0300	100	60	300	115	630	82	38	1/2"	50	120	40	85	30,00
KWF100060.0400			400		730								34,00
KWF100060.0500			500		830								38,00
KWF100060.0600			600		930								42,00
KWF100060.0800			800		1130								50,50
KWF100060.1000			1000		1330								59,00



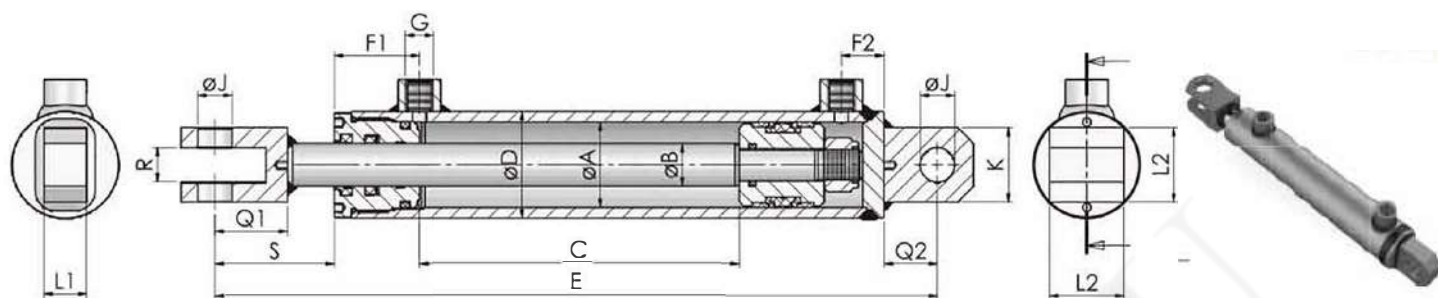
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L1	L2	Q1	Q2	R	S	Kg
KWG032020.0050			50		214												1,80
KWG032020.0100			100		264												2,10
KWG032020.0150			150		314												2,50
KWG032020.0200	32	20	200	42	364	33	20	1/4"	16,2	35	20	35	34	25	16	50	2,80
KWG032020.0250			250		414												3,20
KWG032020.0300			300		464												3,50
KWG032020.0400			400		564												4,20
KWG032020.0500			500		664												4,90
KWG040020.0100			100		289												2,80
KWG040020.0150			150		339												3,20
KWG040020.0200			200		389												3,60
KWG040020.0250			250		439												4,00
KWG040020.0300	40	20	300	50	489	40	23	1/4"	16,2	35	20	35	34	25	16	56	4,40
KWG040020.0350			350		539												4,80
KWG040020.0400			400		589												5,20
KWG040020.0450			450		639												5,60
KWG040020.0500			500		689												6,00
KWG040025.0100			100		289												3,00
KWG040025.0150			150		339												3,50
KWG040025.0200			200		389												3,90
KWG040025.0250			250		439												4,40
KWG040025.0300			300		489												4,90
KWG040025.0350	40	25	350	50	539	40	23	1/4"	16,2	35	20	35	34	25	16	56	5,30
KWG040025.0400			400		589												5,80
KWG040025.0450			450		639												6,30
KWG040025.0500			500		689												6,70
KWG040025.0550			550		739												7,10
KWG040025.0600			600		789												7,70
KWG050025.0100			100		310												4,10
KWG050025.0150			150		360												4,70
KWG050025.0200			200		410												5,20
KWG050025.0250			250		460												5,70
KWG050025.0300			300		510												6,20
KWG050025.0350			350		560												6,80
KWG050025.0400	50	25	400	60	610	43	26	3/8"	20,25	45	25	40	40	30	20	62	7,20
KWG050025.0450			450		660												8,10
KWG050025.0500			500		710												8,30
KWG050025.0550			550		760												8,90
KWG050025.0600			600		810												9,30
KWG050025.0800			800		1010												11,50
KWG050025.1000			1000		1210												13,70



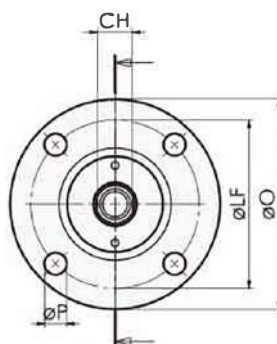
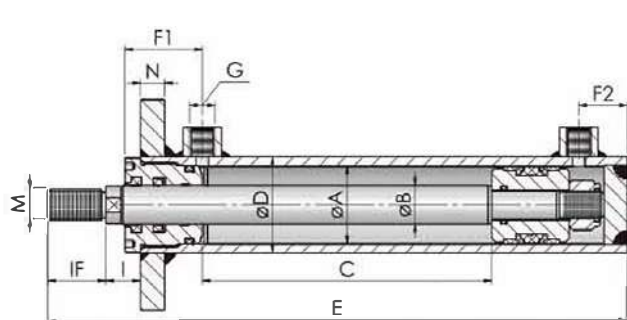
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L1	L2	Q1	Q2	R	S	Kg
KWG050030.0150	50	30	150	60	360	43	26	3/8"	20,25	45	25	40	40	30	20	62	4,90
KWG050030.0200			200		410												5,60
KWG050030.0250			250		460												6,20
KWG050030.0300			300		510												6,80
KWG050030.0350			350		560												7,40
KWG050030.0400			400		610												8,00
KWG050030.0450			450		660												8,60
KWG050030.0500			500		710												9,20
KWG050030.0550			550		760												9,90
KWG050030.0600			600		810												10,50
KWG050030.0700	60	30	700	70	910	50	30	3/8"	25,25	50	30	50	45	35	25	68	11,70
KWG050030.0800			800		1010												12,90
KWG050030.1000			1000		1210												15,40
KWG060030.0100			100		340												6,20
KWG060030.0150			150		390												6,90
KWG060030.0200			200		440												7,60
KWG060030.0250			250		490												8,20
KWG060030.0300			300		540												8,90
KWG060030.0350			350		590												9,60
KWG060030.0400	60	35	400	70	640	50	30	3/8"	25,25	50	30	50	45	35	25	68	10,30
KWG060030.0450			450		690												10,90
KWG060030.0500			500		740												11,60
KWG060030.0550			550		790												12,20
KWG060030.0600			600		840												13,00
KWG060030.0800			800		1040												15,60
KWG060030.1000			1000		1240												18,40
KWG060035.0100	60	40	100	70	340	50	30	3/8"	25,25	50	30	50	45	35	25	68	6,40
KWG060035.0150			150		390												7,20
KWG060035.0200			200		440												8,00
KWG060035.0250			250		490												8,80
KWG060035.0300			300		540												9,50
KWG060035.0350			350		590												10,30
KWG060035.0400			400		640												11,10
KWG060035.0450			450		690												11,80
KWG060035.0500			500		740												12,60
KWG060035.0550			550		790												13,40
KWG060035.0600	60	40	600	70	840	50	30	3/8"	25,25	50	30	50	45	35	25	68	14,20
KWG060035.0800			800		1040												17,20
KWG060035.1000			1000		1240												20,30
KWG060040.0200			200		440												8,60
KWG060040.0250			250		490												9,50
KWG060040.0300			300		540												10,40
KWG060040.0350			350		590												11,30
KWG060040.0400			400		640												12,20
KWG060040.0450			450		690												13,00
KWG060040.0500	60	40	500	70	740	50	30	3/8"	25,25	50	30	50	45	35	25	68	13,90
KWG060040.0550			550		790												14,80
KWG060040.0600			600		840												15,70
KWG060040.0800			800		1040												19,20
KWG060040.1000			1000		1240												22,80



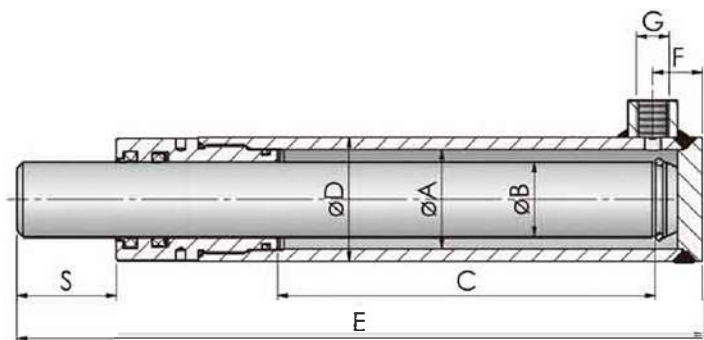
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L1	L2	Q1	Q2	R	S	Kg
KWG063040.0200			200		440												9,00
KWG063040.0250			250		490												9,90
KWG063040.0300			300		540												10,80
KWG063040.0350			350		590												11,70
KWG063040.0400			400		640												12,60
KWG063040.0450	63	40	450	73	690	50	30	3/8"	25,25	50	30	50	45	35	25	68	13,50
KWG063040.0500			500		740												14,40
KWG063040.0550			550		790												15,30
KWG063040.0600			600		840												16,20
KWG063040.0800			800		1040												19,90
KWG063040.1000			1000		1240												23,50
KWG070035.0100			100		340												7,50
KWG070035.0150			150		390												8,30
KWG070035.0200			200		440												9,10
KWG070035.0250			250		490												10,00
KWG070035.0300			300		540												10,80
KWG070035.0350			350		590												11,60
KWG070035.0400	70	35	400	80	640	50	33	3/8"	25,25	50	30	50	45	35	25	68	12,40
KWG070035.0450			450		690												13,30
KWG070035.0500			500		740												14,00
KWG070035.0550			550		790												15,00
KWG070035.0600			600		840												15,60
KWG070035.0800			800		1040												18,90
KWG070035.1000			1000		1240												22,60
KWG070040.0200			200		440												9,70
KWG070040.0250			250		490												10,60
KWG070040.0300			300		540												11,60
KWG070040.0350			350		590												12,60
KWG070040.0400			400		640												14,20
KWG070040.0450	70	40	450	80	690	50	33	3/8"	25,25	50	30	50	45	35	25	68	14,50
KWG070040.0500			500		740												15,40
KWG070040.0550			550		790												16,50
KWG070040.0600			600		840												17,40
KWG070040.0800			800		1040												21,10
KWG070040.1000			1000		1240												24,90
KWG080040.0200			200		475												13,30
KWG080040.0250			250		525												14,40
KWG080040.0300			300		575												15,50
KWG080040.0400	80	40	400	92	675	60	35	1/2"	30,25	60	35	60	50	45	30	73	17,70
KWG080040.0500			500		775												20,00
KWG080040.0600			600		875												22,20
KWG080040.0800			800		1075												26,70
KWG080040.1000			1000		1275												31,10



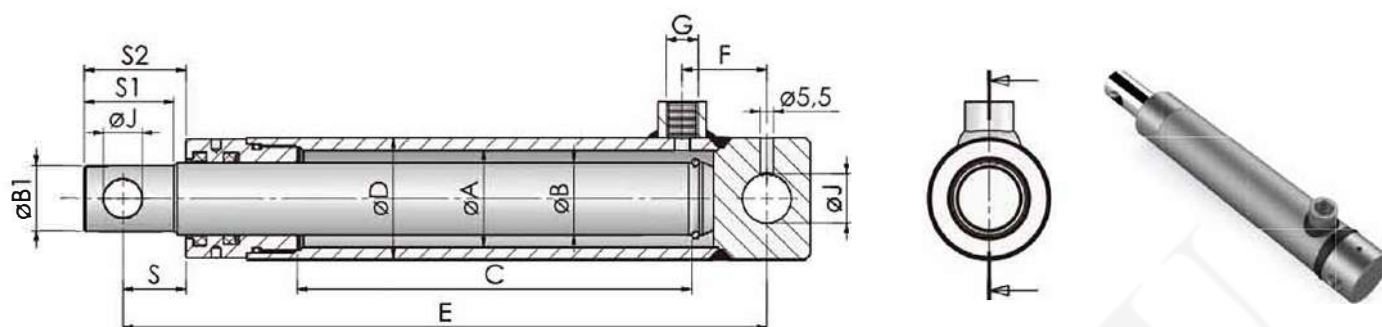
Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	ØJ	K	L1	L2	Q1	Q2	R	S	Kg
KWG080050.0200	80	50	200	92	475	60	35	1/2"	30,25	60	35	60	50	45	30	73	14,50
KWG080050.0250			250		525												15,90
KWG080050.0300			300		575												17,30
KWG080050.0400			400		675												20,10
KWG080050.0500			500		775												22,90
KWG080050.0600			600		875												26,20
KWG080050.0800			800		1075												31,70
KWG080050.1000			1000		1275												37,20
KWG090050.0300	90	50	300	105	616	60	40	1/2"	40,25	70	40	80	70	60	40	93	23,60
KWG090050.0400			400		716												27,00
KWG090050.0500			500		816												30,30
KWG090050.0600			600		916												33,60
KWG090050.0800			800		1116												40,30
KWG090050.1000			1000		1316												47,00
KWG100050.0200	100	50	200	115	540	82	38	1/2"	40,25	70	40	80	70	60	40	95	23,80
KWG100050.0250			250		590												25,80
KWG100050.0300			300		640												27,30
KWG100050.0400			400		740												30,80
KWG100050.0500			500		840												34,30
KWG100050.0600			600		940												37,80
KWG100050.0800			800		1140												44,80
KWG100050.1000			1000		1340												51,80
KWG100060.0300	100	60	300	115	640	82	38	1/2"	40,25	70	40	80	70	60	40	95	29,80
KWG100060.0400			400		740												33,80
KWG100060.0500			500		840												37,80
KWG100060.0600			600		940												41,80
KWG100060.0800			800		1140												50,30
KWG100060.1000			1000		1340												58,80



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F1	F2	G	I	IF	M	N	ØO	ØLF	CH	ØP	Kg
KWH040020.0100	40	20	100	50	250	32	25	1/4"	18	30	M16x1,5	12	109	87	18	ø11x4	3,00
KWH040020.0200			200		350												3,80
KWH040020.0300			300		450												4,60
KWH040020.0400			400		550												5,40
KWH040020.0500			500		650												6,20
KWH050030.0100	50	30	100	60	270	35	25	3/8"	18	40	M20x1,5	14	128	105	26	ø13x4	4,60
KWH050030.0200			200		370												5,80
KWH050030.0300			300		470												7,00
KWH050030.0400			400		570												8,20
KWH050030.0500			500		670												9,40
KWH060035.0100	60	35	100	70	300	40	30	3/8"	20	50	M27x2	16	142	117	32	ø13x4	6,90
KWH060035.0200			200		400												8,40
KWH060035.0300			300		500												9,90
KWH060035.0400			400		600												11,40
KWH060035.0500			500		700												12,90
KWH070040.0100	70	40	100	80	312	40	30	3/8"	22	60	M30x2	16	162	127	36	ø15x4	8,70
KWH070040.0200			200		412												10,60
KWH070040.0300			300		512												12,80
KWH070040.0400			400		612												15,00
KWH070040.0500			500		712												17,20
KWH080050.0100	80	50	100	95	345	50	40	1/2"	25	70	M36x2	18	181	149	45	ø17x6	13,70
KWH080050.0200			200		445												16,80
KWH080050.0300			300		545												19,90
KWH080050.0400			400		645												23,00
KWH080050.0500			500		745												26,10
KWH100050.0100	100	50	100	115	375	70	40	1/2"	27	70	M36x2	24	194	162	45	ø17x6	20,20
KWH100050.0200			200		475												25,80
KWH100050.0300			300		575												27,20
KWH100050.0400			400		675												30,80
KWH100050.0500			500		775												34,40



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F	G	S	Kg
KWI040030.0200	40	30	200	50	326	23	3/8"	40	3,70
KWI040030.0250			250		376				4,20
KWI040030.0300			300		426				4,80
KWI040030.0350			350		476				5,40
KWI040030.0400			400		526				5,90
KWI040030.0500			500		626				7,00
KWI050040.0200	50	40	200	60	338	26	3/8"	45	5,70
KWI050040.0300			300		438				7,30
KWI050040.0400			400		538				9,00
KWI050040.0500			500		638				10,70
KWI050040.0600			600		738				12,30
KWI060050.0300	60	50	300	70	450	30	3/8"	50	10,50
KWI060050.0400			400		550				12,90
KWI060050.0500			500		650				15,20
KWI060050.0600			600		750				17,50



Item Ref.	ØA mm	ØB mm	C mm	ØD mm	E mm	F	G	S	ØB1	ØJ	S1	S2	Kg
KWJ030025.0100	30	25	100	40	190	40	3/8"	24	22	14	35	38	1,70
KWJ030025.0150			150		240								2,10
KWJ030025.0200			200		290								2,50
KWJ030025.0250			250		340								2,90
KWJ030025.0300			300		390								3,30
KWJ040030.0200	40	30	200	50	300	42	3/8"	26	27	16	37	42	3,70
KWJ040030.0250			250		350								4,20
KWJ040030.0300			300		400								4,80
KWJ040030.0350			350		450								5,30
KWJ040030.0400			400		500								5,90
KWJ040030.0550			550		650								7,30
KWJ050040.0200	50	40	200	60	330	47	3/8"	32	37	23	49	54	6,00
KWJ050040.0250			250		380								6,90
KWJ050040.0300			300		430								7,70
KWJ050040.0350			350		480								8,50
KWJ050040.0400			400		530								9,40
KWJ050040.0550			550		680								11,70
KWJ050040.0700			700		830								14,10
KWJ060050.0300	60	50	300	70	460	50	3/8"	49	47	25,5	65	74	11,80
KWJ060050.0400			400		560								14,00
KWJ060050.0550			550		710								17,50
KWJ060050.0700			700		860								21,00

