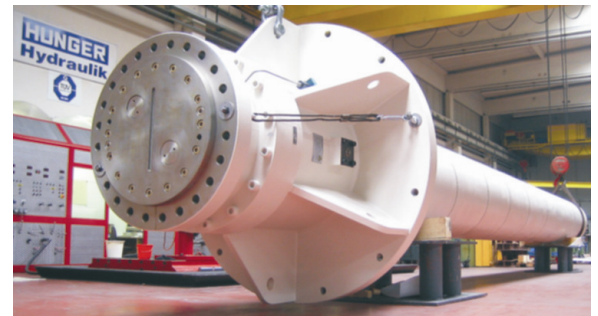
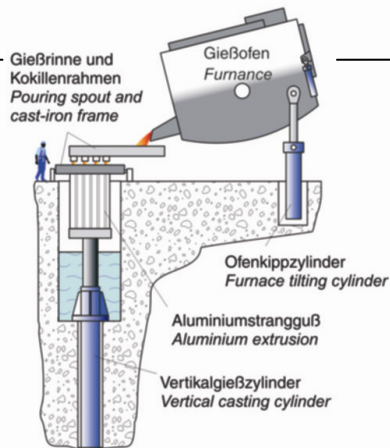


Hunger - Vertical Casting Cylinders

- only self guided with anti rotation device -

Reference list since 1985



Customer	Plant / User	Qty.	Rod- / Piston-Diameter	Stroke	Hydraulic-fluid	Hunger Drawing No.	Equipment
GKI, Mühlheim	Elkem Aluminium Lista/Norway	1	810 mm	9000 mm	Water-Oil-Emulsion	109423	
GKI, Mühlheim	Elkem Aluminium Lista/Norway	3	635 mm	9020 mm	Water-Oil-Emulsion	112081	
GKI, Mühlheim	VAW-Rheinwerk Norf/Germany	1	810 mm	10000 mm	Mineral oil	116677	
Alcoa	Alcoa, USA	2	810 mm	10160 mm	Water-Oil-Emulsion	116667-2	
Wellmann Ltd. Furnace, GB	Alcan, England	1	580 mm	9600 mm	Mineral oil	115665	
GKI, Mühlheim	Sidal, Belgium	2	500 mm	7755 mm	Mineral oil	115019	
G. Lienemann	Alusuisse, Singen	2	400 mm	750 mm	Mineral oil	113883	
Eigeltingen	Alusuisse, Singen	1	420 mm	8500 mm	Mineral oil	114902	
Alusuisse, Singen	Alusuisse, Singen	2	400 mm	7500 mm	Mineral oil	113883	
GKI, Mühlheim	Deeside/England	1	360 mm	8320 mm	Mineral oil	116055	
GKI, Mühlheim	Nedal/Netherlands	1	300 mm	300 mm	Mineral oil	114948	
März-Gautschi Trägerwilen/CH	Slovakia	2	680 mm 600 mm	8700 mm	Quintolubric , Type 822	118344	double acting

März-Gautschi Trägerwilen/CH	GA Metall Sundsvall Schweden	1	680 mm 600 mm	9000 mm	Quintolubric , Type 822	118344	Cerapl. double acting
SAPA Skandinaviska	Aluminiumprofilen	1	420 mm	8000 mm	Mineral oil	119003	Cerapl. Transd.
März-Gautschi Trägerwilen/CH	Gold Star, Korea	1	510 mm 460 mm	7100 mm	Mineral oil	117050	double acting
März-Gautschi Trägerwilen/CH	NZAS, Newzealand	1	510 mm 460 mm	8500 mm	Mineral oil	118 346	double acting
O.D.T.ENG.PYT Ltd., AUS:	Australia	2	400 mm 360 mm	7000 mm	Mineral oil	118501	double acting
O.D.T.ENG.PYT Ltd., AUS:	Australia	1	600 mm 550 mm	8800 mm	Quintolubrik Type 822	118639	double acting
Transtech Ind. Comp., USA	USA	1	510 mm 460 mm	7112 mm	Mineral oil	118621	double acting
GKI, Mühlheim	Hydro Raufoss, Norway	1	400 mm	8500 mm	Mineral oil	118699	
Hydro Raufoss	Automotive, Norway	1	400 mm	8500 mm	Mineral oil	119497	Cerapl. Transd.
Hydro Alu A.S. Norway	Hydroaluminium Sundal	1	300 mm	3900 mm	Mineral oil	119019	Cerapl. Transd.
März-Gautschi Trägerwilen/CH	Hulett Alu PYT Ltd., Südafrika	2	560 mm	7000 mm	Condat D 46	119074	Transd.
März-Gautschi Trägerwilen/CH	Alcan Pinda, Brasil	1	580 mm	8500 mm	Quintolubric Type 822	119275	Transd.
März-Gautschi Trägerwilen/CH	Hoogovens Belgium Duffel	1	420 mm	8400 mm	Mineral oil	119241	Cerapl.
Mechathem Ltd., UK	SAPA, Sweden Skandinaviska Aluminium	1	420 mm	8000 mm	Mineral oil	119003	Cerapl.Tra nsd.
Alusuisse, Singen	Alusuisse, Singen	1	400 mm	7500 mm	Mineral oil	113883	Cerapl.
März-Gautschi Trägerwilen/CH	Alu Smelters, Alscon, Nigeria	1	460 mm	8000 mm	Mineral oil	119071	Cerapl.
Elkem Alu, Mosjoen / Norway	Elkem Aluminium, Norway	1	635 mm	10150 mm	Water- Emulsion	117940	
SÖR Aluminium AS Norway / Ardal	SÖR Aluminium AS Norway / Ardal	1	610 mm	8500 mm	Mineral oil	118681	

GKI Mülheim	ISAL-Straumswik, Iceland	1	520 mm	10300 mm	Mineral oil	119409	
GKI Mülheim	Hydro Aluminium Norway / Ardal	1	810 mm	10500 mm	Mineral oil	119475	Cerapl. Transd. EVD
Biat Konstruktion	HASEYAO YAPI, Turkey	1	400 mm	7500 mm	Mineral oil	113 883	Cerapl.
Alumax Recycling BV	Netherlands	2	400 mm	7850 mm	Mineral oil	119481	Cerapl. Transd.
Stein Atkinson, Stardy / UK	Hulett Alu PYT Ltd., South Africa	1	450 mm	7450 mm	Condat D46	119660	Cerapl. Transd.
VAW Alu AG, Neuss	VAW Alu AG, Neuss	1	810 mm	10000 mm	Mineral oil	119694	Cerapl. Transd.
GKI - OFU Oberhausen	VAW Alu AG, Stade	3	400 mm	7800 mm	Mineral oil	119707	Cerapl. EVD
Mechatherm Ltd., UK	Hydro Alu Azuqueca, Spain	1	420 mm	8000 mm	Mineral oil	120006	Cerapl.
März-Gautschi Tägerwilen/CH	Elval, Greece	1	900 mm	10500 mm	Quintolubric Type 822	120013	Cerapl.
März-Gautschi Tägerwilen/CH	Kubikenborg Aluminium Sundval, Sweden	1	680 mm	9000 mm	Mineral oil	120052	Cerapl.
Lüko Maschinen GmbH	Aluminium Laufen AG / CH	1	400 mm	7500 mm	Mineral oil	120011	Cerapl.
Schmitz + Apelt LOI	NELA Harbin, China	1	400 mm	7000 mm	Mineral oil	120054	Cerapl.

IST GmbH - Oberhausen	HAW- Hamburg	1	460 mm	7400 mm	Mineral oil	120178	Cerapl. Transd.
Hydro-Alu-Norwegen	Hydro Alu Norwegen	1	610 mm	8500 mm	Mineral oil	120157	Cerapl.
März Gautschi Tägerwillen CH	Alu-Menziken Schweiz	1	240 mm	4200 mm	Mineral oil	120166	Transd.
Elkem Alu, Mosjoen / Norway	Mosjoen, Norway	1	635 mm	10200 mm	Mineral oil	120200	Cerapl. Transd.
März Gautschi Tägerwillen CH	Pechiney, Netherland	1	520 mm	10400 mm	Shell IruS D46	120209	Cerapl.

IST GmbH - Oberhausen	ISAL II -1, Iceland	1	520 mm	9580 mm	Quintolubric Type 822	120213	Cerapl.
Hydro-Aluminium (VAW) Germany	Hydro-Aluminium Neuss, Germany	1	480 mm	6000 mm	Mineral oil	120220	Cerapl. Transd. EVD
Fertigungstechnik Rauch / Austria	Fuchs GmbH, Meinertshagen, Germany	1	350 mm 310 mm	5500 mm	Mineral oil	120198	Cerapl. double acting
März Gautschi Tägerwillen CH	Erbslöh Aluminium GmbH Germany, Project Phoenix	1	300 mm	8000 mm	Mineral oil	120303	Cerapl..
Mechatherm Ltd., UK	Bridgnorth Aluminium, UK	1	540 mm	6000 mm	Water Emulsion	120321	Cerapl.
Elkem Alu, Mosjoen / Norway	Mosjoen, Norway	1	480 mm	9860 mm	Mineral oil	120329	Cerapl. Transd.
GHISA, Spain	GHI- Hornos, Spain	1	260 mm	6850 mm	Mineral oil	120351	Cerapl.
Hydro Alu Deutschland GmbH	Hydro Aluminium Neuss, Germany	1	480 mm	6000 mm	Mineral oil	120220	Cerapl. Transd. EVD
März Gautschi Tägerwillen CH	Alba, Bahrain	1	520 mm	6700 mm	Hydransafe HFDU 46	120617	Cerapl..
Hunger Hydraulic Ltd. Tianjin, China	Chengdu, China	1	450 mm	6000 mm	Mineral oil	120695	Cerapl.
Mechatherm Ltd., UK	Anglesey, UK	1	400 mm	7.665 mm	Houghto Safe 620	120157	Cerapl.
Alteco GmbH, Austria	Swansea, UK	1	635 mm	9.000 mm	Mineral oil	112812	Cerapl.
März Gautschi Tägerwillen CH	Guizhou, China	1	560 mm	8.030 mm	Quintolubric N822	120850	Cerapl..
März Gautschi Tägerwillen CH	Quinghai, China	2	520 mm	8.030 mm	Quintolubric N822	120849	Cerapl..
Mechatherm Ltd., UK	Matalco, Canada	1	450 mm	8.600 mm	Quintolubric N822	120887	Cerapl.

März Gautschi Tägerwillen CH	Quiaotou, China	1	420 mm	7.230 mm	Mineral oil	120851	Cerapl..
Hydro Alu Deutschland GmbH	Hydro Aluminium Neuss, Germany	1	480 mm	6000 mm	Mineral oil	120220	Cerapl. Transd. EVD
LOI Thermprocess GmbH, Germany	Martigny, CH	1	320 mm	7000 mm	Mineral oil	120959	Cerapl. Transd.
Hunger Hydraulic Ltd. Tianjin, China	Wichuan, China	2	520 mm	8000 mm	Mineral oil	120968	Cerapl.
IST GmbH - Oberhausen	ISAL II -2, Iceland	1	520 mm	9580 mm	Quintolubric Type 822	120213	Cerapl.
März Gautschi Tägerwillen CH	Hulett Aluminium South Africa	1	560 mm	7.000 mm	Condat D46	121059	Cerapl. Transd.
ALMEX USA, Inc., Long Beach, California	Allocast USA, Los Angeles	1	510 mm 460 mm	7.110 mm	Mineral oil	121113	Cerapl. double acting
Hulett Aluminium South Africa	Hulett Aluminium South Africa	1	260 mm	5.200 mm	Condat D46	121129	Cerapl. Transd.
Tayio International Japan	Furukawa Sky Aluminium, Fukui, Japan	1	820 mm	11.800 mm	Mineral oil	121168	Cerapl.,Tr ansd. EVD
März Gautschi Tägerwillen CH	Shenhuo, China	1	450 mm	8.100 mm	Quintolubric Type 822	121305	Cerapl.
IST GmbH - Oberhausen	Wutöschingen, Germany	1	330 mm 290 mm	5.283 mm	Mineral oil	121040	Cerapl.
Hunger Hydraulic Ltd. Tianjin, China	Hangxing Aluminium Equipment Plant, Taiwan	1	360 mm	7.000 mm	Mineral oil	121283	Cerapl.
ALMEX USA, Inc., Long Beach, California	Miluo Longzhou China	2	510 mm 460 mm	7.110 mm	Mineral oil	121113	Cerapl., double acting
Novelis- PAE- S.A.S. France	Southwest Aluminium - Chongqing, China	1	520 mm	8.000 mm	Mineral oil	121326	Cerapl.

Thermcon Ovens B.V. Netherlands	ALCAN Brisach, France	1	650 mm	6.850 mm	Mineral oil	121377	Cerapl.
DSB Australia	Shenhua Aluminium, China	1	420 mm	8.000 mm	Mineral oil	121400	Cerapl.
Novelis- PAE S.A.S. France	Balco Aluminium, India	1	360 mm	6.500 mm	Mineral oil	121421	Cerapl.
Novelis- PAE S.A.S. France	Henan Aluminium, Zhondsewanji Loiyang, China	1	400 mm	7.000 mm	Mineral oil	121422	Cerapl.
Novelis USA	Novelis Sierre, CH	1	580 mm	6.000 mm	Quintolubric Type 822	121455	Cerapl. Transd. EVD
o.d.t. Engineering Australia	CAP C.E.L., Thailand	1	400 mm	7.000 mm	Mineral oil	121480	Cerapl.
ALMEX USA, Inc., Long Beach, California	Haal, India	1	400 mm 360 mm	6.900 mm	Mineral oil	121517	Cerapl., double acting
Alcan Decin Czech Republic	Alcan Decin Czech Republic	3	300 mm	6.400 mm	Mineral oil	121537	Cerapl. Transd.
ALMEC Italy	EURAL Gnutti S.p.A. Italy	1	400 mm	9.000 mm	Mineral oil	121527	Cerapl., Transd.
ALMEX USA, Inc., Long Beach, California	India	1	400 mm 360 mm	5.000 mm	Water - Glycol	121543	Cerapl., double acting
ALMEX USA, Inc., Long Beach, California	Grupa Kety, Polen	1	400 mm 360 mm	6.900 mm	Quintolubric 888- 46	121517	Cerapl., double acting
Hongkong Fullmore Trading China	Zhongrong 1 China	1	420 mm	7.300 mm	Mineral oil	121595	Cerapl.,
Hongkong Fullmore Trading China	Zhongrong 2 China	1	300 mm	7.300 mm	Mineral oil	121596	Cerapl.,

o.d.t. Engineering Australia	Boyne Smelters, Australia	1	600 mm 550 mm	8.800 mm	Mineral oil	121606	Cerapl. Double acting
Novelis- PAE S.A.S. France	Kumz Aluminium, Russia	1	580 mm	7.500 mm	Mineral oil	121600	Cerapl.
ALMEX USA, Inc., Long Beach, California	Chalco Aluminium China	3	510 mm 460 mm	7.200 mm	Quintolubric 888- 46	121636	Cera., ITL, double acting
Chalco – China Aluminium International Trading Co. Ltd.	Chalco, Liancheng Aluminium China	1	680 mm 600 mm	9.000 mm	Quintolubric 888- 46	121638	Cerapl., double acting
Chalco – China Aluminium International Trading Co. Ltd.	Chalco, Liancheng Aluminium China	1	680 mm 600 mm	7.200 mm	Quintolubric 888- 46	121639	Cerapl., double acting
BDI spol. S.r.o. Zvolen, Slovakia	Slovalco Aluminium a.s. Ziar nad Hronom, Slovakia	1	680 mm 600 mm	8.700 mm	Quintolubric 888- 46	121631	Cerapl., double acting
Aleris Aluminium Duffel, Belgium	Aleris Aluminium Duffel, Belgium	1	420 mm	8.400 mm	Mineral oil ISO VG 46	121646	Cerapl., Transd.
Qiaotou Aluminium China	Qiaotou Aluminium China	1	340 mm	5.800 mm	Mineral oil ISO VG 46	121680	Cerapl.
Met Trade India Ltd., Delhi, India	Met Trade India Ltd., Delhi, India	1	360 mm	7.000 mm	Mineral oil ISO VG 46	121668	Cerapl., EVD
Mechatherm Ltd., UK	Egypt Aluminium, Egypt	1	500 mm	7.100 mm	Mineral oil ISO VG 46	121706	Cerapl.
GHISA, Spain	GHI- Hornos, Spain	1	260 mm	6850 mm	Water with Glycol	120351	Cerapl.
ALMEX USA, Inc., Long Beach, California		1	740 mm 660 mm	7.200 mm	Quintolubric 888- 46	121746	Cera., ITL, double acting

Erbslöh Aluminium GmbH, Germany,	Erbslöh Aluminium GmbH Germany, Project Phoenix	1	300 mm	8000 mm	Mineral oil	120303	Cerapl..
Fujian Nanping Aluminium, China	Fujian Nanping Aluminium, China	1	360 mm	7000 mm	Mineral oil	121825	Cerapl..
North East Light Alloy China	NELA Harbin, China	1	400 mm	7.500 mm	Mineral oil	121	Cera., ITL
North East Light Alloy China	NELA Harbin, China	1	460 mm	7.500 mm	Mineral oil	121	Cera., ITL
ALMEX USA, Inc., Long Beach, California	Universal Alloy Corp., Romania	1	400 mm 360 mm	5.000 mm	Quintolubric 888- 46	121543	Cera., ITL, double acting
März-Gautschi Trägerwilen / CH	KUBAL, Sweden	1	680 mm 600 mm	9.000 mm	Hydro Star TE 46	121873	Cera., double acting
Hunger (Tianjin) Hydraulic, China	Hunan Aluminium, China	1	400 mm	7.100 mm	Mineral oil	121904	Cera.
Hunger Hydraulics UK , UK	Novelis Warrington, UK,	1	580 mm	9.600 mm	Mineral oil	121957	Cera. Transd.
Novelis Solatens, USA	Novelis Pinda, Brasil	1	860 mm	8.500 mm	Quintolubric 888-46	121965	Cera., ITL, Transd.
Novelis PAE, S.A.S., France	Chalco Aluminium, China	1	750 mm	8.500 mm	Mineral oil	121975	Cera., ITL
Jasper Engineering, Germany	EURAL- Gnutti, Italy	1	580 mm	8.900 mm	Mineral oil	122000	Cera. Transd., ITL
Hindalco Industries Ltd., India	Hindalco, Hirakud, India	1	450 mm	6.000 mm	Quintolubric 888-46	122002	Cera. Transd., ITL
Hindalco Industries Ltd., India	Hindalco, Hirakud, India	1	600 mm	8.000 mm	Quintolubric 888-46	122003	Cera. Transd., ITL

ALMEX USA, Inc., Long Beach, California	ALNAN, China	1	680 mm 600 mm	8.800 mm	Quintolubric 888- 46	122020	Cera., ITL double acting
ALMEX USA, Inc., Long Beach, California	ALNAN, China	1	740 mm 660 mm	8.800 mm	Quintolubric 888- 46	122025	Cera., ITL double acting
Hunger (Tianjin) Hydraulic, China	Zheng- Zhou Aluminium, China	1	320 mm	7.200 mm	Mineral oil	122021	Cera.
Aluminicaste USA Irvine, California	Aluminicaste, Mexico	2	480 mm	7.500 mm	Quintolubric 888- 46	122038	Cera., ITL, Transd.
Novelis Solatens, USA	Novelis South Korea	1	900 mm	8.750 mm	Quintolubric 888-46	122047	Cera., ITL, Transd.
Hunger (Tianjin) Hydraulic, China	Yunnan Aluminium, China	1	450 mm	7.000 mm	Mineral oil	122062	Cera.
März-Gautschi Trägerwilen / CH	Elval, Greece	1	900 mm	10.500 mm	Quintolubric 888-46	122080	Cera., ITL, Transd.
Hunger (Tianjin) Hydraulic, China	Shandong Aluminium, China	1	480 mm	7.500 mm	Mineral oil	122102	Cera., ITL
Hunger (Tianjin) Hydraulic, China	Guihai Aluminium, China	1	420 mm	6.600 mm	Mineral oil	122103	Cera., ITL
Hunger (Tianjin) Hydraulic, China	Yinhai Aluminium, China	1	520 mm	8.200 mm	Mineral oil	122108	Cera.
Hunger (Tianjin) Hydraulic, China	Yinhai Aluminium, China	1	600 mm	8.200 mm	Mineral oil	122109	Cera.
Mechatherm Ltd., UK	CSAC, Kaohsiung, Taiwan	2	700 mm	8.500 mm	Quintolubric 888-46	122120	Cerapl., ITL
Hunger (Tianjin) Hydraulic, China	Liaoyuan Aluminium, Beiye, China	2	500 mm	8.800 mm	Mineral oil	122127	Cera.
Hunger (Tianjin) Hydraulic, China	Liaoyuan Aluminium, Zhonglu, China	1	360 mm	7.300 mm	Mineral oil	122128	Cera.
Alba, Bahrain	Alba, Bahrain	1	520 mm	6.700 mm	Hydransafe HF DU 46	120617	Cera.

ALMEX USA, Inc., Long Beach, California		1	510 mm 460 mm	7.200 mm	Quintolubric 888- 46	121636	Cera., ITL, double acting
ALMEX USA, Inc., Long Beach, California	Fuchs- Koblenz, Germany	1	510 mm 460 mm	7.800 mm	Quintolubric 888- 46	122150	Cera., ITL, double acting
ALMEX USA, Inc., Long Beach, California	Fuchs- Meinertshagen, Germany	1	510 mm 460 mm	7.800 mm	Quintolubric 888- 46	122151	Cera., ITL, double acting
Mechatherm Ltd., UK	DUBAL Aluminium, Dubai	1	400 mm	8.610 mm	Quintolubric 888-68	122162	Cerapl., ITL
Hunger (Tianjin) Hydraulic, China	China	1	320 mm	7.300 mm	Mineral oil	122224	Cera., ITL
Hunger (Tianjin) Hydraulic, China	Zhonghe Aluminium, China	1	540 mm	7.200 mm	Mineral oil	122232	Cera., ITL
ALMEX USA, Inc., Long Beach, California	ALMEX USA, Inc.	1	400 mm	4.000 mm	Quintolubric 888-68	122240	Cera., ITL, double acting
Hunger (Tianjin) Hydraulic, China	Erdozi Aluminium, China	1	400 mm	7.300 mm	Mineral oil	122239	Cera., ITL
Hunger UK	Novelis do Brasil Ltd., Brasilien	1	580 mm	8.500 mm	Quintolubric 888-46	122212	Cera., single acting

total numbers of self guided casting cylinders with anti rotation device:	158
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Abridgements:

Cera.	Ceraplate - Metal Oxide Rod Coating
Transd.	Integrated Transducer System
EVD	Externally Adjustable Sealing System
ITL	Integrated Torque Limiter

Lohr am Main, March 2013