VARIATIONS IN EQUIPMENT

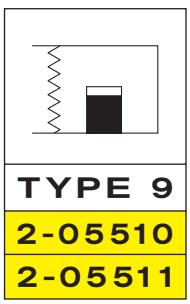
- **Material**
  Stainless and acidproof steel
  Aluminium alloys
  Various combinations of material
  Seals for elevated temperatures
- **Surface finish**
  Lacquered
  Chemi-nickel coating
  On customer's request
- **Certificates and Approvals**
  Work's test certificate
  Approval to customer's specifications
- **Assembly Tools**
  Guiding shaft
  Sling gear
  Auxiliaries to customer's requirements
- **Service Set for possible Maintenance by the Customer**

HOW TO SELECT

1. There is one specific Hydraulic Nut Type 2-05510/2-05511 for each thread as specified in the standards for assembly and fixture of roller bearings.
2. For M 100x2 right hand stands type 2-05510-2001.
3. On the basis of our own work shop and design department, we are able to adapt the selected Hydraulic Nut to the user's requirements such as left hand thread, different pitch or other thread diameter. For such a special design we alter the last two digits of the article number. This determines all the details for repeat orders and still allows a comparison with the standard design. Please give your requirements in writing or as a sketch.

EXAMPLE FOR ORDERING

FASTEC-article No. 2-05510-2001 with thread M 100x2, Right Hand.
or: Hydraulic Nut 2-05510-20... with thread M 92x3 LH (Left Hand)
In case that this range does not meet your requirements: please transmit us your ideas, we will submit our quotation free of cost that suits your application.



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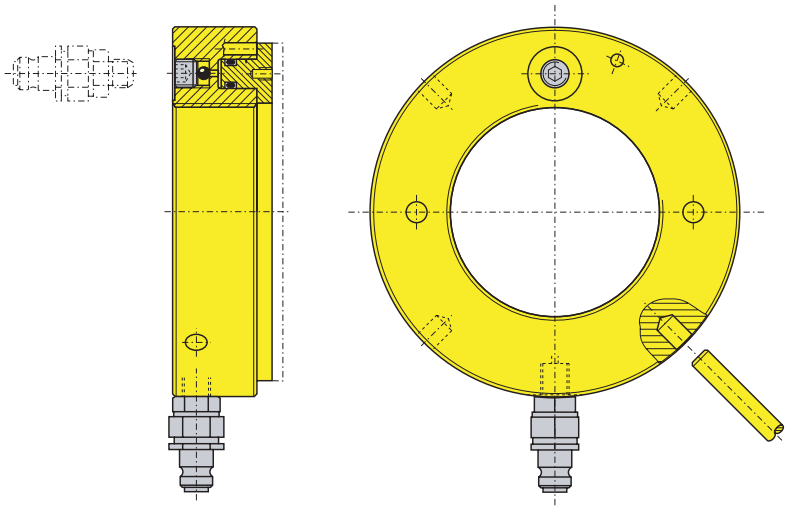
DESIGN: BLU AG/CH-ALTDORF/LUZERN
Hydraulic Nut 2-05510 2005 GB

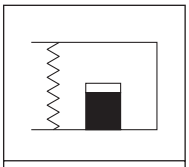
HYDRAULIC NUT
2-05510/2-05511



The Hydraulic Nut, Type 2-05510/2-05511, has been specially designed for mounting and dismounting of roller bearings and for pushing hubs onto the journal of an arbor. The hydraulic medium is oil and can be fed through two hydraulic connection bores G¼ by a pressure source (e.g. a hand pump). The connection bores are located on the end face and also on the OD.

The special advantages of this design are high clamping forces, long stroke and an even transmission of the force next to the loaded thread since the ring piston is cranked in. In case of a parallel shaft, the rolling bearing or the hub is pushed on directly against the counter face. Bearings with a tapered bore are either fitted directly on the tapered shaft journal or, if the shaft is cylindrical, on an adapter sleeve or a withdrawal sleeve. Forcing the bearing onto the tapered seat expands the inner ring and reduces the radial clearance. The correct values can be obtained from data supplied by rolling bearing manufacturers. The «press on» pressure can be exactly determined from the pressure gauge of the pump. We can supply a precision gauge on request.

The connection bores are equipped with a Fast-Lock Coupling Nipple which is screwed either in the axial or the radial connection. The mating coupler on the flexible hose makes a quick and easy connection to the pump. This type of Hydraulic Nut is ready to use in no time, easy to operate and takes only a small volume.



TYPE 9
2-05510
2-05511

FUNCTIONAL CHARACTERISTICS

A FASTEC -Hydraulic Nut of this design has a circular groove which is sealed to the exterior by an axially sliding ring piston and thus, forms an annular hydraulic chamber. When pressurized, the ring piston is pushed out, contacts the counterface and generates an axial pressure force that works on the inner ring of the bearing or the hub resp. In the case of Hydraulic Nuts, type 2-05510/2-05511, the pressure is generated by an external pump which gets connected by the Fast-Lock Coupling Nipple. First, apply the initial pressure as specified in the brochures of the bearing manufacturers and start measuring the further displacement with a dial gauge. The gauge is fitted into a bore in the Hydraulic Nut and reads the travel of the ring piston. The procedure is completed as soon as the determined stroke is attained or (for disassembly) when the bearing or the hub becomes free.

ADVANTAGES

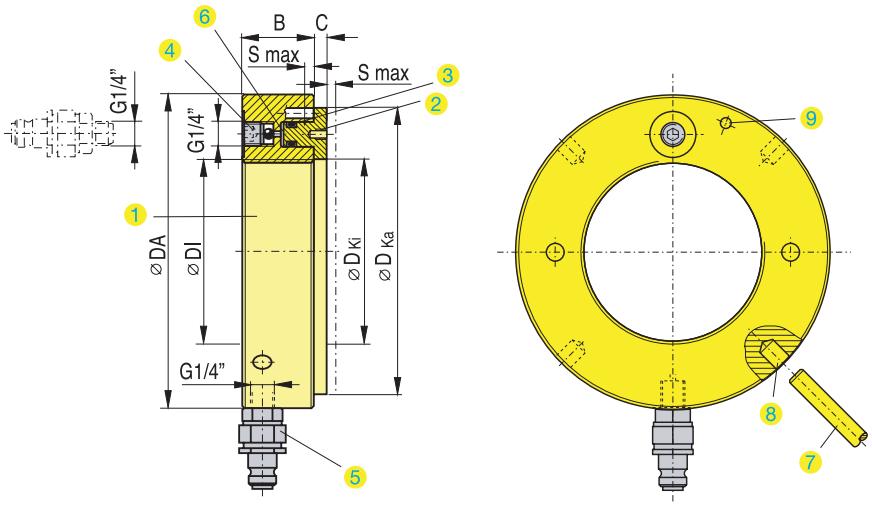
- **Purely axial generation of pressure force**
- **Very high mounting forces in compact design, accurate repeatability**
- **Long service life due to efficient seal systems**
- **Completely even distribution of the pressure forces**
- **Resulting clamping force is independent of the stroke**
- **No friction in the thread since the Hydraulic Nut is not turned under load (no thread wear)**
- **Quick and easy operation, even large and many Hydraulic Nuts with appropriate hand or motor pump**
- **FASTEC Hydraulic Nuts can be serviced by the customer on site (overhaul by our service department on request)**
- **Threads can be right hand or left hand; any thread form, any pitch, any thread size up to the nominal thread size**

EXAMPLES FOR APPLICATION

- Mounting roller bearings with cylindrical or conical seat
- Mounting of conical shaft-hub-connections
- Gearshafts
- Gearwheel assembly

FASTEC-QUALITY MEANS

- Components manufactured from high tensile materials (wear resisting)
- Constant monitoring to improve quality for all products
- Each Hydraulic Nut and other hydraulic accessories are tested to the operating pressure or higher
- All products are delivered ready for operation
- Detailed technical documentation are part of the delivery (operating manual, drawing and parts list)



STANDARD FEATURES

FASTEC Hydraulic Nuts, Type 2-05510/2-05511, consist of:

- Cylinder 1
- Ring piston with marking for max. stroke 2
- 2 Hydraulic Connection Bores G¼, one radial, one axial
- High Pressure Seal Set for temperatures from -30°C through to +100°C 3
- One Plug Screw G¼ 4
- One Fast-Lock Coupling Nipple G¼ 5
- Pressure medium (hydraulic oil) 6
- One tommy bar 7

and are equipped with:

- Tommy bar holes 4x on OD, 2x on end face 8
- One axial bore to take the dial gauge 9
- Thread centering
- Surface treatment (chemi-blackened) up to size 60

NOTE

- Clamping pressure and displacement is precisely monitored by the pressure gauge of the pump and by the dial gauge on the Hydraulic Nut.
- Different design of the ring piston on request for ex. model with smaller ring piston: see type 2-05500/2-05501

HYDRAULIC NUTS 2-05510 AND 2-05511 WITH METRIC THREAD AND PLAIN BORE

Thread DI*)	Article No.	Article No.	Plain Bore DI	Article No.	ODØ DA	Height B	Projecting Length C	Stroke Smax.	Ring Piston ØDKi	Ring Piston ØDKa	Piston Area AK	Weight (Steel) ca.
mm	Right Hand	Left Hand	mm	Bore	mm	mm	mm	mm	mm	mm	mm^2	kg
M 50 x 1,5	2-05510-1001	2-05510-1002	46,7	2-05510-1005	114	38	4	5	50,5	104	2'900	2,70
M 55 x 2	2-05510-1101	2-05510-1102	51,1	2-05510-1105	120	38	4	5	55,5	109	3'150	2,75
M 60 x 2	2-05510-1201	2-05510-1202	56,1	2-05510-1205	125	38	5	5	60,5	115	3'300	2,80
M 65 x 2	2-05510-1301	2-05510-1302	61,1	2-05510-1305	130	38	5	5	65,5	121	3'600	3,00
M 70 x 2	2-05510-1401	2-05510-1402	66,1	2-05510-1405	135	38	5	5	70,5	127	3'800	3,20
M 75 x 2	2-05510-1501	2-05510-1502	71,1	2-05510-1505	140	38	5	5	75,5	132	4'000	3,40
M 80 x 2	2-05510-1601	2-05510-1602	76,1	2-05510-1605	146	38	5	5	80,5	137	4'200	3,70
M 85 x 2	2-05510-1701	2-05510-1702	81,1	2-05510-1705	150	38	5	5	85,5	142	4'400	3,75
M 90 x 2	2-05510-1801	2-05510-1802	86,1	2-05510-1805	156	38	5	5	90,5	147	4'700	4,00
M 95 x 2	2-05510-1901	2-05510-1902	91,1	2-05510-1905	162	38	5	5	95,5	153	4'900	4,30
M 100 x 2	2-05510-2001	2-05510-2002	96,1	2-05510-2005	166	38	6	5	100,5	158	5'100	4,40
M 105 x 2	2-05510-2101	2-05510-2102	101,1	2-05510-2105	172	38	6	5	105,5	163	5'300	4,65
M 110 x 2	2-05510-2201	2-05510-2202	106,1	2-05510-2205	178	38	6	5	110,5	169	5'600	4,95
M 115 x 2	2-05510-2301	2-05510-2302	111,1	2-05510-2305	182	38	6	5	115,5	174	5'800	5,00
M 120 x 2	2-05510-2401	2-05510-2402	116,1	2-05510-2405	188	38	6	5	120,5	179	6'000	5,25
M 125 x 2	2-05510-2501	2-05510-2502	121,1	2-05510-2505	192	38	6	5	125,5	184	6'200	5,35
M 130 x 2	2-05510-2601	2-05510-2602	126,1	2-05510-2605	198	38	6	5	130,5	190	6'400	5,65
M 135 x 2	2-05510-2701	2-05510-2702	131,1	2-05510-2705	204	38	6	5	135,5	195	6'600	5,90
M 140 x 2	2-05510-2801	2-05510-2802	136,1	2-05510-2805	208	38	7	5	140,5	200	6'800	6,00
M 145 x 2	2-05510-2901	2-05510-2902	141,1	2-05510-2905	214	39	7	5	145,5	206	7'300	6,50
M 150 x 2	2-05510-3001	2-05510-3002	146,1	2-05510-3005	220	39	7	5	150,5	211	7'500	6,60
M 155 x 3	2-05510-3101	2-05510-3102	149,8	2-05510-3105	226	39	7	5	155,5	218	8'100	6,95
M 160 x 3	2-05510-3201	2-05510-3202	154,8	2-05510-3205	232	40	7	6	160,5	224	8'600	7,60
M 165 x 3	2-05510-3301	2-05510-3302	159,8	2-05510-3305	238	40	7	6	165,5	229	8'900	7,90
M 170 x 3	2-05510-3401	2-05510-3402	164,8	2-05510-3405	244	41	7	6	170,5	235	9'400	8,40
M 180 x 3	2-05510-3601	2-05510-3602	174,8	2-05510-3605	256	41	7	6	180,5	247	10'300	9,15
M 190 x 3	2-05510-3801	2-05510-3802	184,8	2-05510-3805	270	42	8	7	191	259	11'500	10,50
M 200 x 3	2-05510-4001	2-05510-4002	194,8	2-05510-4005	282	43	8	8	201	271	12'500	11,50
TR 205 x 4	2-05510-4101	2-05510-4102	200,2	2-05510-4105	288	43	8	8	207	276	12'800	12,00
TR 210 x 4	2-05510-4201	2-05510-4202	205,2	2-05510-4205	294	44	8	9	212	282	13'400	12,50
TR 215 x 4	2-05510-4301	2-05510-4302	210,2	2-05510-4305	300	44	8	9	217	287	13'700	13,00
TR 220 x 4	2-05510-4401	2-05510-4402	215,2	2-05510-4405	306	44	8	9	222	293	14'400	13,50
TR 225 x 4	2-05510-4501	2-05510-4502	220,2	2-05510-4505	312	45	8	9	227	300	15'200	14,50
TR 230 x 4	2-05510-4601	2-05510-4602	225,2	2-05510-4605	318	45	8	9	232	305	15'500	14,50
TR 235 x 4	2-05510-4701	2-05510-4702	230,2	2-05510-4705	326	46	8	10	237	311	16'200	16,00
TR 240 x 4	2-05510-4801	2-05510-4802	235,2	2-05510-4805	330	46	9	10	242	316	16'500	16,00
TR 250 x 4	2-05510-5001	2-05510-5002	245,2	2-05510-5005	342	46	9	10	252	329	17'600	17,50
TR 260 x 4	2-05510-5201	2-05510-5202	255,2	2-05510-5205	356	47	9	11	262	341	18'800	19,00
TR 270 x 4	2-05510-5401	2-05510-5402	265,2	2-05510-5405	368	48	9	12	272	352	19'800	20,50
TR 280 x 4	2-05510-5601	2-05510-5602	275,2	2-05510-5605	380	49	9	12	282	363	21'100	22,00
TR 290 x 4	2-05510-5801	2-05510-5802	285,2	2-05510-5805	390	49	9	13	292	375	22'400	22,50
TR 300 x 4	2-05510-6001	2-05510-6002	295,2	2-05510-6005	404	51	10	14	302	386	23'600	25,50
TR 310 x 5	2-05510-6201	2-05510-6202	304,7	2-05510-6205	416	52	10	14	312	397	24'900	27,00
TR 320 x 5	2-05510-6401	2-05510-6402	314,7	2-05510-6405	428	53	10	14	322	409	26'300	29,50
TR 330 x 5	2-05510-6601	2-05510-6602	324,7	2-05510-6605	438	53	10	14	332	419	27'000	30,00
TR 340 x 5	2-05510-6801	2-05510-6802	334,7	2-05510-6805	450	54	10	14	342	430	28'400	31,50
TR 345 x 5	2-05510-6901	2-05510-6902	339,7	2-05510-6905	456	54	10	14	347	436	29'400	32,50
TR 350 x 5	2-05510-7001	2-05510-7002	344,7	2-05510-7005	464	56	10	14	352	442	29'900	35,00
TR 360 x 5	2-05510-7201	2-05510-7202	354,7	2-05510-7205	472	56	10	15	362	455	31'300	35,50
TR 365 x 5	2-05510-7301	2-05510-7302	359,7	2-05510-7305	482	57	11	15	367	460	31'700	38,50
TR 370 x 5	2-05510-7401	2-05510-7402	364,7	2-05510-7405	486	57	11	16	372	466	32'800	39,00
TR 380 x 5	2-05510-7601	2-05510-7602	374,7	2-05510-7605	498	58	11	16	382	476	33'500	40,50
TR 385 x 5	2-05510-7701	2-05510-7702	379,7	2-05510-7705	504	58	11	16	387	483	34'700	41,00
TR 400 x 5	2-05510-8001	2-05510-8002	394,7	2-05510-8005	522	60	11	17	402	499	36'700	45,50
TR 410 x 5	2-05510-8201	2-05510-8202	404,7	2-05510-8205	534	61	11	17	412	510	38'300	48,00
TR 420 x 5	2-05510-8401	2-05510-8402	414,7	2-05510-8405	546	61	11	17	422	522	40'000	50,00
TR 430 x 5	2-05510-8601	2-05510-8602	424,7	2-05510-8605	556	62	11	17	432	532	40'800	52,50
TR 440 x 5	2-05510-8801	2-05510-8802	434,7	2-05510-8805	566	62	12	17	442	543	42'500	54,00
TR 450 x 5	2-05510-9001	2-05510-9002	444,7	2-05510-9005	580	64	12	17	452	554	44'100	57,50
TR 460 x 5	2-05510-9201	2-05510-9202	454,7	2-05510-9205	590	64	12	17	462	565	45'100	60,00
TR 470 x 5	2-05510-9401	2-05510-9402	464,7	2-05510-9405	602	65	12	18	472	576	46'900	62,00
TR 480 x 5	2-05510-9601	2-05510-9602	474,7	2-05510-9605	612	65	12	19	482	587	48'600	63,00
TR 490 x 5	2-05510-9801	2-05510-9802	484,7	2-05510-9805	624	66	12	19	492	597	49'500	66,00
TR 500 x 5	2-05511-0001	2-05511-0002	494,7	2-05511-0005	636	67	12	19	502	609	51'500	70,00
TR 510 x 6	2-05511-0201	2-05511-0202	503,7	2-05511-0205	648	68	12	20	512	624	53'300	74,00
TR 520 x 6	2-05511-0401	2-05511-0402	513,7	2-05511-0405	658	68	13	20	522	634	54'300	75,00
TR 530 x 6	2-05511-0601	2-05511-0602	523,7	2-05511-0605	670	69	13	21	532	645	56'200	79,00
TR 540 x 6	2-05511-0801	2-05511-0802	533,7	2-05511-0805	682	69	13	21	542	657	58'200	81,00
TR 550 x 6	2-05511-1001	2-05511-1002	543,7	2-05511-1005	693	70	13	21	552	667	59'200	84,00
TR 560 x 6	2-05511-1201	2-05511-1202	553,7	2-05511-1205	704	71	13	22	562	678	61'200	88,00
TR 570 x 6	2-05511-1401	2-05511-1402	563,7	2-05511-1405	716	72	13	23	572	689	63'200	91,00

HYDRAULIC NUTS 2-05510 AND 2-05511 WITH METRIC THREAD AND PLAIN BORE

Thread	Article No.	Article No.	Plain Bore	Article No.	ODØ	Height	Projecting Length	Stroke	Ring Piston		Piston Area	Weight (Steel)
DI*)			DI		DA	B	C	Smax.	ØDKi	ØDKa	AK	ca.
mm	Right Hand	Left Hand	mm	Bore	mm	mm	mm	mm	mm	mm	mm²	kg
TR 580 x 6	2-05511-1601	2-05511-1602	573,7	2-05511-1605	726	72	13	23	582	699	64'200	94,00
TR 600 x 6	2-05511-2001	2-05511-2002	593,7	2-05511-2005	748	73	13	23	602	721	67'300	100,00
TR 630 x 6	2-05511-2601	2-05511-2602	623,7	2-05511-2605	782	74	14	23	632	754	72'900	110,00
TR 650 x 6	2-05511-3001	2-05511-3002	643,7	2-05511-3005	804	75	14	23	652	775	76'200	115,00
TR 670 x 6	2-05511-3401	2-05511-3402	663,7	2-05511-3405	826	76	14	24	672	796	79'500	120,00
TR 690 x 6	2-05511-3801	2-05511-3802	683,7	2-05511-3805	848	77	14	25	692	819	84'200	127,00
TR 710 x 7	2-05511-4201	2-05511-4202	702,7	2-05511-4205	870	78	15	25	712	840	87'700	135,00
TR 750 x 7	2-05511-5001	2-05511-5002	742,7	2-05511-5005	912	79	15	25	752	883	95'200	146,00
TR 800 x 7	2-05511-6001	2-05511-6002	792,7	2-05511-6005	965	80	16	25	802	936	103'900	161,00
TR 850 x 7	2-05511-7001	2-05511-7002	842,7	2-05511-7005	1020	83	16	26	852	990	114'600	181,00
TR 900 x 7	2-05511-8001	2-05511-8002	892,7	2-05511-8005	1075	86	17	30	902	1043	124'100	205,00
TR 950 x 8	2-05511-9001	2-05511-9002	941,7	2-05511-9005	1126	86	17	30	952	1097	135'700	218,00
TR 1000 x 8	2-05512-0001	2-05512-0002	991,7	2-05512-0005	1180	88	17	34	1002	1150	145'800	239,00

HYDRAULIC NUTS 2-05510 AND 2-05511 WITH IMPERIAL SCREW THREAD (UN OR ACME THREAD FORM)

Thread	Article No.	Article No.	ODØ	Heigth Length	Projecting	Stroke	Ring Piston Area		Piston (Stahl)	Weight (Steel)
DI*)			DA	B	C	Smax.	ØDKi	ØDKa	AK	ca.
mm	Right Hand	Left Hand	mm	mm	mm	mm	mm	mm	mm²	kg
UN 1,967 - 18TPI	2-05510-1003	2-05510-1004	114	38	4	5	50,5	104	2'900	2,70
UN 2,157 - 18TPI	2-05510-1103	2-05510-1104	120	38	4	5	55,5	109	3'150	2,75
UN 2,360 - 18TPI	2-05510-1203	2-05510-1204	125	38	5	5	60,5	115	3'300	2,80
UN 2,548 - 18TPI	2-05510-1303	2-05510-1304	130	38	5	5	65,5	121	3'600	3,00
UN 2,751 - 18TPI	2-05510-1403	2-05510-1404	135	38	5	5	70,5	127	3'800	3,25
UN 2,933 - 12TPI	2-05510-1503	2-05510-1504	140	38	5	5	75,5	132	4'000	3,40
UN 3,137 - 12TPI	2-05510-1603	2-05510-1604	146	38	5	5	80,5	137	4'200	3,75
UN 3,340 - 12TPI	2-05510-1703	2-05510-1704	150	38	5	5	85,5	142	4'400	3,80
UN 3,527 - 12TPI	2-05510-1803	2-05510-1804	156	38	5	5	90,5	147	4'700	4,00
UN 3,730 - 12TPI	2-05510-1903	2-05510-1904	162	38	5	5	95,5	153	4'900	4,30
UN 3,918 - 12TPI	2-05510-2003	2-05510-2004	166	38	6	5	100,5	158	5'100	4,40
UN 4,122 - 12TPI	2-05510-2103	2-05510-2104	172	38	6	5	105,5	163	5'300	4,70
UN 4,325 - 12TPI	2-05510-2203	2-05510-2204	178	38	6	5	110,5	169	5'600	4,95
UN 4,716 - 12TPI	2-05510-2403	2-05510-2404	188	38	6	5	120,5	179	6'000	5,25
UN 5,106 - 12TPI	2-05510-2603	2-05510-2604	198	38	6	5	130,5	190	6'400	5,65
UN 5,497 - 12TPI	2-05510-2803	2-05510-2804	208	38	7	5	140,5	200	6'800	6,00
UN 5,888 - 12TPI	2-05510-3003	2-05510-3004	220	39	7	5	150,5	211	7'500	6,60
UN 6,284 - 8TPI	2-05510-3203	2-05510-3204	232	40	7	6	160,5	224	8'600	7,60
UN 6,659 - 8TPI	2-05510-3403	2-05510-3404	244	41	7	6	170,5	235	9'400	8,40
UN 7,066 - 8TPI	2-05510-3603	2-05510-3604	256	41	7	6	180,5	247	10'300	9,15
UN 7,472 - 8TPI	2-05510-3803	2-05510-3804	270	42	8	7	191	259	11'500	10,50
UN 7,847 - 8TPI	2-05510-4003	2-05510-4004	282	43	8	8	201	271	12'500	11,50
UN 8,628 - 8TPI	2-05510-4403	2-05510-4404	306	44	8	9	222	293	14'400	13,50
UN 9,442 - 6TPI	2-05510-4803	2-05510-4804	330	46	9	10	242	316	16'500	16,00
UN 10,192 - 6TPI	2-05510-5203	2-05510-5204	356	47	9	11	262	341	18'800	19,00
UN 11,004 - 6TPI	2-05510-5603	2-05510-5604	380	49	9	12	282	363	21'100	22,00
UN 11,785 - 6TPI	2-05510-6003	2-05510-6004	404	51	10	14	302	386	23'600	25,50
UN 12,562 - 6TPI	2-05510-6403	2-05510-6404	428	53	10	14	322	409	26'300	29,50
ACME 13,339 - 5TPI	2-05510-6803	2-05510-6804	450	54	10	14	342	430	28'400	31,50
ACME 14,170 - 5TPI	2-05510-7203	2-05510-7204	472	56	10	15	362	455	31'300	35,50
ACME 14,957 - 5TPI	2-05510-7603	2-05510-7604	498	58	11	16	382	476	33'500	40,50
ACME 15,745 - 5TPI	2-05510-8003	2-05510-8004	522	60	11	17	402	499	36'700	45,50
ACME 16,532 - 5TPI	2-05510-8403	2-05510-8404	546	61	11	17	422	522	40'000	50,00
ACME 17,319 - 5TPI	2-05510-8803	2-05510-8804	566	62	12	17	442	543	42'500	54,00
ACME 18,107 - 5TPI	2-05510-9203	2-05510-9204	590	64	12	17	462	565	45'100	60,00
ACME 18,894 - 5TPI	2-05510-9603	2-05510-9604	612	65	12	19	482	587	48'600	63,00
ACME 19,682 - 5TPI	2-05511-0003	2-05511-0004	636	67	12	19	502	609	51'500	70,00
ACME 20,867 - 4TPI	2-05511-0603	2-05511-0604	670	69	13	21	532	645	56'200	79,00
ACME 22,048 - 4TPI	2-05511-1203	2-05511-1204	704	71	13	22	562	678	61'200	88,00
ACME 23,623 - 4TPI	2-05511-2003	2-05511-2004	748	73	13	23	602	721	67'300	100,00
ACME 24,804 - 4TPI	2-05511-2603	2-05511-2604	782	74	14	23	632	754	72'900	110,00
ACME 26,379 - 4TPI	2-05511-3403	2-05511-3404	826	76	14	24	672	796	79'500	120,00
ACME 27,961 - 3TPI	2-05511-4203	2-05511-4204	870	78	15	25	712	840	87'700	135,00
ACME 29,536 - 3TPI	2-05511-5003	2-05511-5004	912	79	15	25	752	883	95'200	145,00
ACME 31,504 - 3TPI	2-05511-6003	2-05511-6004	965	80	16	25	802	936	103'900	160,00
ACME 33,473 - 3TPI	2-05511-7003	2-05511-7004	1020	83	16	26	852	990	114'600	180,00
ACME 35,441 - 3TPI	2-05511-8003	2-05511-8004	1075	86	17	30	902	1043	124'100	205,00
ACME 37,410 - 3TPI	2-05511-9003	2-05511-9004	1126	86	17	30	952	1097	135'700	218,00