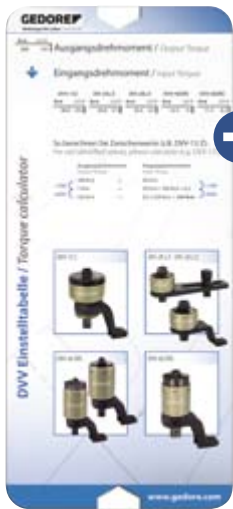




TORQUE MULTIPLIERS DREMOPLUS ALU



GEDORE		DVV-13Z	
Model	Serien-No.	Ratio	
2011	DV02.00018	1:5	
Max. Input Torque	270 N·m	Max. Output Torque	1300 N·m
	200 lbf·ft		950 lbf·ft




INPUT		OUTPUT	
N·m	lbf·ft	N·m	lbf·ft
10.9	8.7	50	40
21.1	14.7	100	70
41.7	31.2	200	150
58.8	41.3	285	200
80.6	61.1	395	300
91.9	71.6	450	350
115.0	82.0	560	400
156.3	112.2	765	550
174.2	122.7	850	600
198.4	143.8	965	700
216.8	154.5	1050	750
227.4	165.2	1100	800
237.9	175.7	1150	850
248.0	185.9	1200	900
258.2	190.1	1250	920
268.9	196.5	1300	950

Safety Plus Your advantage

- > The slender, lighter structure of the appliances ensures convenient and safe working - even where conditions are particularly cramped.
- > Repetition-accurate and precise results - supported by individual factory test certificates - ensure a maximum degree of job safety.
- > High degree of resilience and long life of the appliances attributable to a low-backlash planet gear with Ceramic-Teflon® coating.
- > A 30% + lighter steel housing thanks to the use of high-performance aluminium.
- > Each torque multiplier is examined as to its torque range at the factory and provided with an individual factory test certificate.
- > Precise, reliable figures - even under extreme climatic conditions
- > Easy to operate: The most common INPUT/OUTPUT torques on the torque multiplier



WHAT MAKES FOR A GOOD TORQUE MULTIPLIER?

- > Light yet with the appliance remaining sturdy.
- > The torque and repeatability accuracy is at $\pm 3\%$. Only in this way is dependable screw tightening work assured with reproducible accuracy.
- > Both the torque settings and individual appliance components can be traced back.
- > A factory test certificate ensures traceability of operations on the basis of ISO 9000. An individual factory test certificate is prepared for each and every torque multiplier and contains comprehensive information on readings, deviations, torque sensors and environmental influences.
- > Particularly when unloosening seized screw connections, minimised impacts on the tooth flanks appear in a low backlash planet gear. The greater the precision with which the components fit together, the more stable the overall structure and the longer the service life. This precision can only be assured by a high in-house manufacturing proportion and consistent quality checks.
- > An overload safety mechanism should be integrated at torques upwards of 2000 N·m. No damage occurs to the gear should it be overloaded.



Selection criteria

1. Torque

Select your torque multiplier on the basis of the maximum output torque.

2. Loading factor and frequency (load spectrum)

It would be wrong to constantly operate the appliance at its maximum capacity - just as it would be for any machine or any car. This also holds good for the choice of the torque multiplier. Permanently operating a torque multiplier for screw-tightening applications at maximum torque may impact negatively on its service life.

3. Supporting situation

Various supporting situations may be a determining factor in the selection of the torque multiplier.

Support at a raised position: The L-form reaction arm would be suitable should you want to attach the reaction arm to a point above the screwing-tightening level. A warning here in that the inputted bending forces result in a reduction of the maximum permitted torque!

Support at the level of the screw: Our recommendation - should you want to attach the reaction arm at the screw-tightening level - is either for a Z-form reaction arm or the straight L-form with adjustable reaction square.

4. Anti-wind-up ratchet

A minimum 180° torque wrench field of movement should be on hand. As such, the recommendation is for an appliance complete with an anti-wind-up ratchet. In this way, pre-tension in the appliance is maintained and does not need to be re-created with each lift.

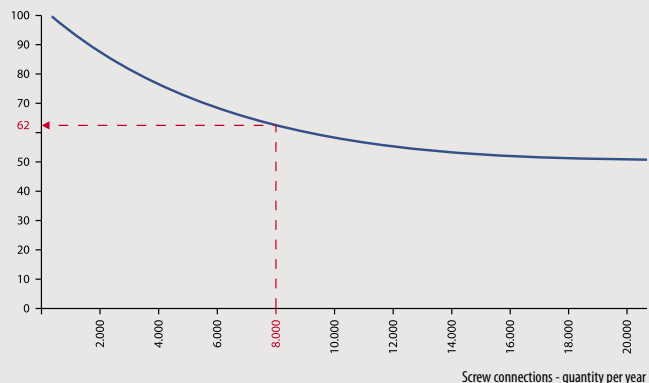
Application case

8,000 screws a year are to be tightened at 4000 N·m. The following calculation needs to be carried out on the basis of the diagram to find the right appliance:













$$\frac{\text{Torque} \times 100\%}{\text{Loading}} = \frac{4.000 \text{ N}\cdot\text{m} \times 100\%}{62\%}$$

Choose an appliance with a max. 6452 N·m torque. The DVV-60ZRS would be ideally suitable here.

Plan for a sufficient reserve in unloosening the screw connection. The torque needed to loosen a screw connection can be many times the tightening torque.



PRODUCT OVERVIEW TORQUE MULTIPLIERS DREMOPLUS ALU

Series / Type	Accuracy +/-	Drive	Output drive	Ratio	Reaction arm	Anti-wind-up ratchet	Overload safety mechanism				Range N-m tested and certified
							Sun gear	Shearing square	Slipper non-destructive	Ceramic-Teflon® coating	
 DVV-13 Z	3 %	1/2"	3/4"	1:5	Z	○	●	○	○	○	250 – 1.300 N-m
 DVI-20 Z	3 %	3/4"	1"	1:4	Z	○	○	●	○	○	500 – 2.000 N-m
 DVI-20 L	3 %	3/4"	1"	1:4	L	○	○	●	○	○	500 – 2.000 N-m
 DVI-28 Z	3 %	3/4"	1"	1:5,5	Z	○	○	●	○	○	500 – 2.800 N-m
 DVI-28 L	3 %	3/4"	1"	1:5,5	L	○	○	●	○	○	500 – 2.800 N-m
 DVV-40 Z	3 %	1/2"	1"	1:16	Z	○	○	○	●	●	500 – 4.000 N-m
 DVV-40 ZRS	3 %	1/2"	1"	1:16	Z	●	○	○	●	●	500 – 4.000 N-m
 DVV-60 ZRS	3 %	3/4"	1.1/2"	1:18	Z	●	○	○	●	●	700 – 6.000 N-m
 DVV-80 ZRS	3 %	3/4"	1.1/2"	1:22	Z	●	○	○	●	●	750 – 8.000 N-m
 DVV-100 RS	3 %	3/4"	1.1/2"	1:28,5	Z	●	○	○	●	●	1.000 – 10.000 N-m
 DVV-130 ZRS	3 %	3/4"	1.1/2"	1:39	Z	●	○	○	●	●	1.200 – 13.000 N-m
 DVV-540 RS	3 %	3/4"	2.1/2"	1:175	–	●	○	○	●	●	7.000 – 54.000 N-m



Working principle

Torque - velocity

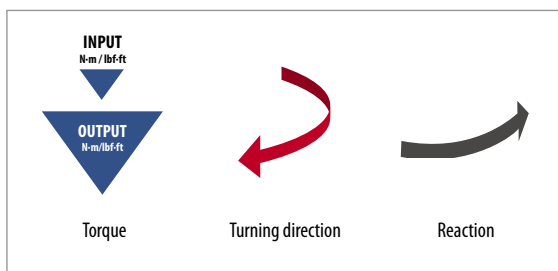
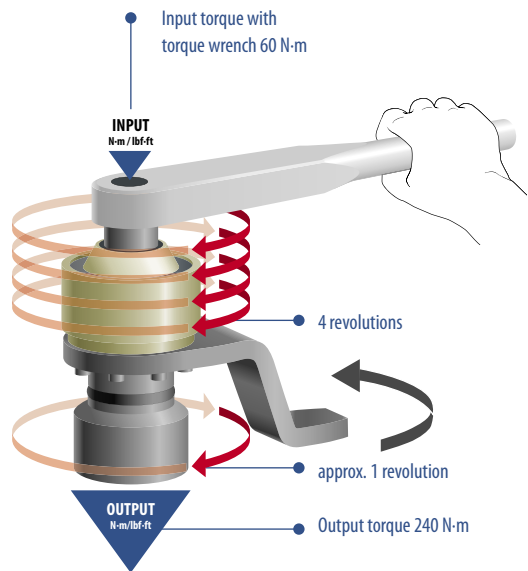
The chart representation elucidates the principle of torque multiplication. Let us assume a 60 N-m input torque and a 240 N-m output torque.

At a 1:4 ratio, 4 revolutions are needed at the input for 1 revolution with a 240 N-m torque to be obtained at the output.

This is substantiated in terms of the physical formula:

Power = torque x revolution

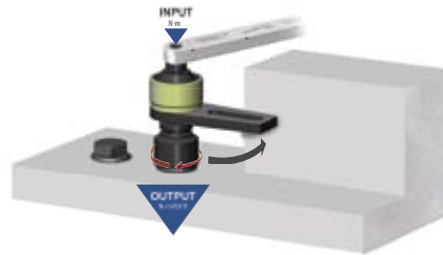
With gear efficiency deducted, the output power is to be considered as a constant equal to the input power. Thus multiplication of the torque can only be obtained from an increased number of revolutions at the input.



Working principle

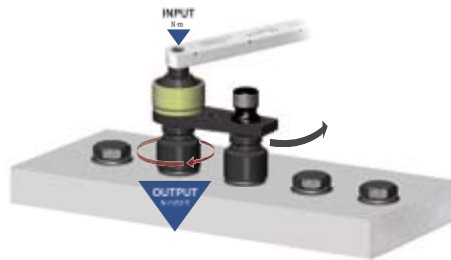
Force and reaction

When working with a torque multiplier, torsion wind-up is built up in the gear when the screw is tightened. This stress must be reduced. A reaction absorbed by reaction arm and abutment is produced.



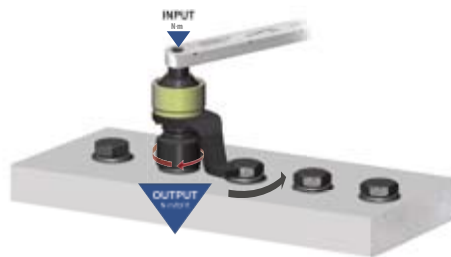
L-form reaction arm without adjustable reaction square:

The reaction acts on the wall. Is possible, but the tilting moment which arises causes the max. permitted torque to drop by 20 %.



L-form reaction arm with adjustable reaction square:

The reaction acts on the adjacent impact socket.



Reaction arm in Z-form:

The reaction acts on the adjacent screw connection

Choosing the right reaction arm

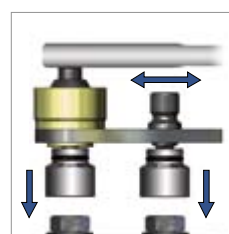
Reaction arm Z-form



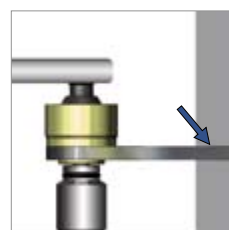
- > A flexible offset reaction arm which has proved itself as the standard solution.
- > Supporting situations are, for instance, adjoining screws, walls, machine parts and other stable abutments.
- > This reaction arm can be ideally used where conditions are quite cramped.

Choosing the right reaction arm

Reaction arm L-form



- > This straight reaction arm with adjustable reaction square is admirably suited for flange screw connections.
- > The L-form reaction arm has in terms of support a larger radius than the Z-Form.



The L-form is also ideal for those points above the screw-tightening level. However, the resulting tilting moment causes the max. permitted torque to drop by 20%.



Choosing the right torque assembly tool for screws and nuts

- > It is vital that use is made of a torque wrench complete with ratchet function (integrated or separate) for torque multipliers without anti-wind-up ratchet.
- > For models with an anti-wind-up ratchet, we recommend the use of torque tools complete with ratchet function (integrated or separate) - for ease of working.



DREMOPLUS ALU FAMILY 1

DVV-40Z, DVV-40ZRS - DVV-540RS

Convenient: Integrated "RS" anti-wind-up ratchet for safe working. Bi-directional (apart from model DVV-40Z)

Lightweight and slim: High-performance aluminium housing is 30 % lighter than a steel one.

Low backlash, 2-stage planet gear for a long service life

Stable, shuttle-impacted gear housing

Flexible: With detachable Z-form reaction arm, can be optionally retrofitted with L-form reaction arm and adjustable reaction square

A 1", 1.1/2" or 2.1/2" output square with drill hole for impact sockets with safety pin and ring

1/2" or 3/4" input square

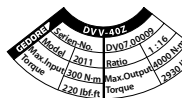
Overload safety mechanism: Non-destructive overload safety mechanism - "Slipper" - filed as a patent. Triggers overload at 10% and again clicks into place. Clockwise and anti-clockwise

A coating of the tooth flanks consisting of ceramic and teflon enables the gear to be constantly lubricated with a minimum of grease.

A Z-form forged reaction arm of chrome-vanadium steel absorbs any countering force that arises. Optional: L-form reaction arm on request

100% quality check

- > Delivery including factory test certificate
- > The most common INPUT/OUTPUT torques on the torque multiplier



INPUT		OUTPUT	
N-m	lbf.ft	N-m	lbf.ft
34.8	25.7	550	40
46.3	33.9	600	45
57.8	42.2	650	50
69.3	50.5	700	55
80.8	58.8	750	60
92.3	67.1	800	65
103.8	75.4	850	70
115.3	83.7	900	75
126.8	92.0	950	80
138.3	100.3	1000	85
149.8	108.6	1050	90
161.3	116.9	1100	95
172.8	125.2	1150	100
184.3	133.5	1200	105
195.8	141.8	1250	110
207.3	150.1	1300	115
218.8	158.4	1350	120
230.3	166.7	1400	125
241.8	175.0	1450	130
253.3	183.3	1500	135
264.8	191.6	1550	140
276.3	199.9	1600	145
287.8	208.2	1650	150
299.3	216.5	1700	155
310.8	224.8	1750	160
322.3	233.1	1800	165
333.8	241.4	1850	170
345.3	249.7	1900	175
356.8	258.0	1950	180
368.3	266.3	2000	185
379.8	274.6	2050	190
391.3	282.9	2100	195
402.8	291.2	2150	200
414.3	299.5	2200	205
425.8	307.8	2250	210
437.3	316.1	2300	215
448.8	324.4	2350	220
460.3	332.7	2400	225
471.8	341.0	2450	230
483.3	349.3	2500	235
494.8	357.6	2550	240
506.3	365.9	2600	245
517.8	374.2	2650	250
529.3	382.5	2700	255
540.8	390.8	2750	260
552.3	399.1	2800	265
563.8	407.4	2850	270
575.3	415.7	2900	275
586.8	424.0	2950	280
598.3	432.3	3000	285
609.8	440.6	3050	290
621.3	448.9	3100	295
632.8	457.2	3150	300
644.3	465.5	3200	305
655.8	473.8	3250	310
667.3	482.1	3300	315
678.8	490.4	3350	320
690.3	498.7	3400	325
701.8	507.0	3450	330
713.3	515.3	3500	335
724.8	523.6	3550	340
736.3	531.9	3600	345
747.8	540.2	3650	350
759.3	548.5	3700	355
770.8	556.8	3750	360
782.3	565.1	3800	365
793.8	573.4	3850	370
805.3	581.7	3900	375
816.8	590.0	3950	380
828.3	598.3	4000	385
839.8	606.6	4050	390
851.3	614.9	4100	395
862.8	623.2	4150	400
874.3	631.5	4200	405
885.8	639.8	4250	410
897.3	648.1	4300	415
908.8	656.4	4350	420
920.3	664.7	4400	425
931.8	673.0	4450	430
943.3	681.3	4500	435
954.8	689.6	4550	440
966.3	697.9	4600	445
977.8	706.2	4650	450
989.3	714.5	4700	455
1000.8	722.8	4750	460
1012.3	731.1	4800	465
1023.8	739.4	4850	470
1035.3	747.7	4900	475
1046.8	756.0	4950	480
1058.3	764.3	5000	485
1069.8	772.6	5050	490
1081.3	780.9	5100	495
1092.8	789.2	5150	500
1104.3	797.5	5200	505
1115.8	805.8	5250	510
1127.3	814.1	5300	515
1138.8	822.4	5350	520
1150.3	830.7	5400	525
1161.8	839.0	5450	530
1173.3	847.3	5500	535
1184.8	855.6	5550	540
1196.3	863.9	5600	545
1207.8	872.2	5650	550
1219.3	880.5	5700	555
1230.8	888.8	5750	560
1242.3	897.1	5800	565
1253.8	905.4	5850	570
1265.3	913.7	5900	575
1276.8	922.0	5950	580
1288.3	930.3	6000	585
1299.8	938.6	6050	590
1311.3	946.9	6100	595
1322.8	955.2	6150	600
1334.3	963.5	6200	605
1345.8	971.8	6250	610
1357.3	980.1	6300	615
1368.8	988.4	6350	620
1380.3	996.7	6400	625
1391.8	1005.0	6450	630
1403.3	1013.3	6500	635
1414.8	1021.6	6550	640
1426.3	1029.9	6600	645
1437.8	1038.2	6650	650
1449.3	1046.5	6700	655
1460.8	1054.8	6750	660
1472.3	1063.1	6800	665
1483.8	1071.4	6850	670
1495.3	1079.7	6900	675
1506.8	1088.0	6950	680
1518.3	1096.3	7000	685
1529.8	1104.6	7050	690
1541.3	1112.9	7100	695
1552.8	1121.2	7150	700
1564.3	1129.5	7200	705
1575.8	1137.8	7250	710
1587.3	1146.1	7300	715
1598.8	1154.4	7350	720
1610.3	1162.7	7400	725
1621.8	1171.0	7450	730
1633.3	1179.3	7500	735
1644.8	1187.6	7550	740
1656.3	1195.9	7600	745
1667.8	1204.2	7650	750
1679.3	1212.5	7700	755
1690.8	1220.8	7750	760
1702.3	1229.1	7800	765
1713.8	1237.4	7850	770
1725.3	1245.7	7900	775
1736.8	1254.0	7950	780
1748.3	1262.3	8000	785
1759.8	1270.6	8050	790
1771.3	1278.9	8100	795
1782.8	1287.2	8150	800
1794.3	1295.5	8200	805
1805.8	1303.8	8250	810
1817.3	1312.1	8300	815
1828.8	1320.4	8350	820
1840.3	1328.7	8400	825
1851.8	1337.0	8450	830
1863.3	1345.3	8500	835
1874.8	1353.6	8550	840
1886.3	1361.9	8600	845
1897.8	1370.2	8650	850
1909.3	1378.5	8700	855
1920.8	1386.8	8750	860
1932.3	1395.1	8800	865
1943.8	1403.4	8850	870
1955.3	1411.7	8900	875
1966.8	1420.0	8950	880
1978.3	1428.3	9000	885
1989.8	1436.6	9050	890
2001.3	1444.9	9100	895
2012.8	1453.2	9150	900
2024.3	1461.5	9200	905
2035.8	1469.8	9250	910
2047.3	1478.1	9300	915
2058.8	1486.4	9350	920
2070.3	1494.7	9400	925
2081.8	1503.0	9450	930
2093.3	1511.3	9500	935
2104.8	1519.6	9550	940
2116.3	1527.9	9600	945
2127.8	1536.2	9650	950
2139.3	1544.5	9700	955
2150.8	1552.8	9750	960
2162.3	1561.1	9800	965
2173.8	1569.4	9850	970
2185.3	1577.7	9900	975
2196.8	1586.0	9950	980
2208.3	1594.3	10000	985



1:16 4.000 N-m 1:18 6.000 N-m 1:22 8.000 N-m 1:28.5 10.000 N-m 1:39 13.000 N-m 1:175 54.000 N-m

DVV-40Z + DVV-40ZRS

TORQUE MULTIPLIER DREMOPLUS ALU

4000 N·m / 2930 lbf·ft



Particularly suitable for:

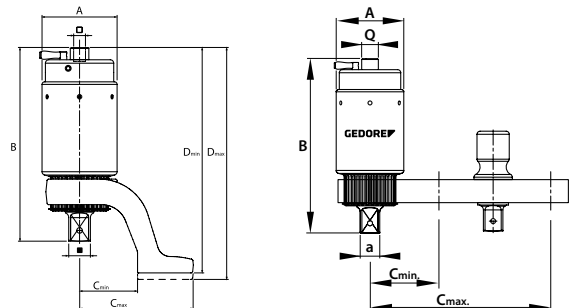
- > Machinery and plant engineering
- > Cable cars, lifts and masts
- > Heavy industry, construction sites
- > Bridge construction
- > Shipbuilding, aircraft and railway construction
- > Refineries, plastics industry
- > Power plants of all kinds

Features:

- > Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- > With a two-stage planet gear
- > High-performance aluminium housing
- > Torque multiplication ratio: 1:16
- > DVV-40ZRS model with anti-wind-up ratchet (RS)
- > With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- > Z-form, offset reaction arm depending on model made of chrome-vanadium steel
- > Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- > Guaranteed accuracy: Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > 2 models for a maximum load at around a max. 4000 N·m
- > Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- > Torque Multiplier DREMOPLUS ALU
- > With Z-form offset reaction arm
- > Delivery in sturdy shipping case with foam insert
- > Factory test certificate and setting table
- > Detailed technical information is available on request



max. N-m-Output	max. lbf-ft-Output	⚙️	□ " C	■ " D	A	B	C _{min}	C _{max}	D _{min}	D _{max}	max. N-m-Input	max. lbf-ft-Input	⚖️	Code	No.
4000	2930	1:16	1/2	1	88	212	71	136	250	256	300	220	5.4	2653087	DVV-40Z
4000	2930	1:16	1/2	1	88	227	71	136	264	270	310	230	5.7	2653109	DVV-40ZRS

OPTIONAL ACCESSORIES:

Description	A	B	C _{min}	C _{max}	⚖️	Code	No.
Reaction arm Z-form offset for DVV40	88	212	71	136	1.5	2653176	RZ-DVV40
Reaction arm L-form straight for DVV40, 1"	88	212	86	234	1.7	2653184	RL-DVV40



DVV-60ZRS - DVV-130ZRS

TORQUE MULTIPLIER DREMOPLUS ALU

6000-13000 N·m / 4400-9530 lbf·ft



Particularly suitable for:

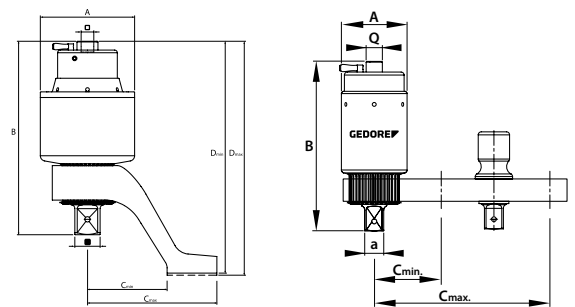
- > Machinery and plant engineering
- > Cable cars, lifts and masts
- > Heavy industry, construction sites
- > Bridge construction
- > Shipbuilding, aircraft and railway construction
- > Refineries, plastics industry
- > Power plants of all kinds

Features:

- > Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- > With a two-stage planet gear
- > High-performance aluminium housing
- > Torque multiplication ratio: 1:18, 1:22, 1:28.5, 1:39
- > All models with anti-wind-up ratchet (RS)
- > With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- > Z-form, offset reaction arm depending on model made of chrome-vanadium steel
- > Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- > Guaranteed accuracy: Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > 4 models for maximum load in the range between max. 6000 N-m and max. 13000 N-m
- > Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- > Torque Multiplier DREMOPLUS ALU
- > With Z-form offset reaction arm
- > Delivery in sturdy shipping case with foam insert
- > Factory test certificate and setting table
- > Detailed technical information is available on request



max. N-m-Output	max. lbf-ft-Output	•:•	□ " C	■ " D	A	B	C _{min}	C _{max}	D _{min}	D _{max}	max. N-m-Input	max. lbf-ft-Input	kg	Code	No.
6000	4400	1:18	3/4	1.1/2	102	257	110	190	316	324	400	300	10.5	2653117	DVV-60ZRS
8000	5870	1:22	3/4	1.1/2	128	277	110	190	338	342	420	310	13.4	2653125	DVV-80ZRS
10000	7330	1:28,5	3/4	1.1/2	142	292	120	216	350	356	410	305	13.9	2653133	DVV-100ZRS
13000	9530	1:39	3/4	1.1/2	175	306	(126)	(229)	(372)	(379)	380	280	20.9	2653141	DVV-130ZRS

OPTIONAL ACCESSORIES:

Description	A	B	C _{min}	C _{max}	kg	Code	No.
Reaction arm Z-form offset for DVV60	102	257	110	190	3.9	2653192	RZ-DVV60
Reaction arm Z-form offset for DVV80	128	277	110	190	4.3	2653206	RZ-DVV80
Reaction arm Z-form offset for DVV100	142	242	120	216	3.0	2653222	RZ-DVV100
Reaction arm Z-form offset for DVV130	175	306	126	229	3.9	2653230	RZ-DVV130
Reaction arm L-form straight for DVV60-80, 1.1/2"	102/128	256,2/276,5	120/120	315/315	4.0	2654091	RL-DVV60-80

DVV-540RS

TORQUE MULTIPLIER DREMOPLUS ALU

54000 N·m / 40330 lbf·ft

Particularly suitable for:

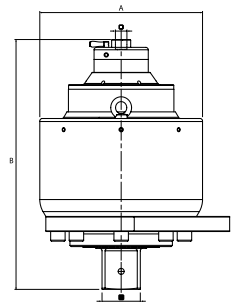
- > Heavy industry
- > Oil industry
- > Petrochemicals

Features:

- > Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- > With a three-stage planet gear
- > High-performance aluminium housing
- > Chrome-vanadium steel reaction arm
- > Multiplication at the ratio of 1:175
- > With anti-wind-up ratchet (RS)
- > With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- > With fixture for welding on a reaction arm (optional)
- > Guaranteed accuracy: Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > 1 model for a maximum load of around a max. 54000 N·m
- > Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- > Torque Multiplier DREMOPLUS ALU
- > Delivery in a sturdy crate on pallet
- > Setting table
- > Detailed technical information is available on request



max. N·m-Output	max. lbf-ft-Output		" C	" D	A	B	max. N·m-Input	max. lbf-ft-Input	kg	Code	No.
54000	40330	1:175	3/4	2.1/2	270	415	380	280	64.6	2653168	DVV-540RS



SPECIAL REACTION ARMS CAN BE OBTAINED ON REQUEST INCLUDING TECHNICAL ADVICE.

- > Just turn to us - We would be glad to tender any advice.
- > Any problems you have represent our assignments!



DREMOPLUS ALU FAMILY 2

DVI-20L/Z AND DVI-28L/Z



DVI-20Z and DVI-28Z

- > Reaction arm Z-form offset
- > fix integrated

DVI-20L and DVI-28L

- > Reaction arm L-form with adjustable reaction square drive
- > fix integrated

100% quality check

- > Delivery including factory test certificate
- > The most common INPUT/OUTPUT torques on the torque multiplier



1:4
2.000 N-M



1:4
2.000 N-M



1:5,5
2.000 N-M



1:5,5
2.000 N-M

DVI-20L/Z + DVI-28L/Z

TORQUE MULTIPLIER DREMOPLUS ALU

2000-2800 N·m / 1500-2050 lbf·ft



Particularly suitable for:

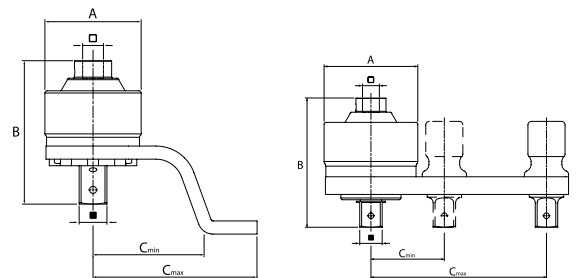
- > Industry, construction sites, car and truck garages, agricultural technology, construction machinery
- > Bridge, aircraft and railway construction, shipbuilding, refineries
- > Machinery and plant engineering, maintenance

Features:

- > Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- > With a single-stage planet gear
- > High-performance aluminium housing
- > Multiplication at the ratio of 1:4, 1:5.5
- > Guaranteed accuracy: Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > 2 models for maximum load in the range between max. 2000 N-m and 2800 N-m
- > Z model: with Z-form, offset reaction arm of chrome-vanadium steel
- > L model: with L-form straight reaction arm - with adjustable reaction square - of lightweight metal
- > Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- > Torque Multiplier DREMOPLUS ALU
- > With firmly integrated reaction arm of an Z- or L-form depending on model
- > Delivery in sturdy shipping case with foam insert
- > Factory test certificate and setting table
- > Detailed technical information is available on request



max. N-m-Output	max. lbf-ft-Output	Reaction arm	••• C	□ " C	■ " D	A	B	C _{min}	C _{max}	max. N-m-Input	max. lbf-ft-Input	kg	Code	No.
2000	1500	offset	1:4	3/4	1	88	131	100	150	580	430	2.9	2653265	DVI-20Z
2800	2050	offset	1:5,5	3/4	1	106	146	100	150	550	410	3.9	2653273	DVI-28Z
2000	1500	straight	1:4	3/4	1	88	131	73	152	580	430	3.0	2653249	DVI-20L
2800	2050	straight	1:5,5	3/4	1	106	146	83	199	550	410	4.1	2653257	DVI-28L

OPTIONAL ACCESSORIES:

Description	kg	Code	No.
Reaction arm Z-form offset for DVI20	1.100	2653281	RZ-DVI20
Reaction arm L-form straight for DVI20, 1"	1.200	2653303	RL-DVI20
Spare square 1" for DVI20	0.300	2653346	E-VKT-DVI20
Reaction arm Z-form offset for DVI28	1.500	2653311	RZ-DVI28
Reaction arm L-form straight for DVI28, 1"	1.700	2653338	RL-DVI28
Spare square 1" incl. ring for DVI28	0.500	2670526	E-VKR-DVI28



DREMOPLUS ALU FAMILY 3

DVV-13Z



100% quality check

- > Delivery including factory test certificate
- > The most common INPUT/OUTPUT torques on the torque multiplier



The GEDORE maintenance service

One promoting service life and safety

- > Regular maintenance can considerably lengthen the service life of your GEDORE torque multiplier and also contribute to your safety.
- > Maintenance involves our qualified personnel examining the individual components, testing their functional precision and verifying the factory certificate.
- > In such an instance, we would willingly draft an estimate for you.
- > We will, of course, continue to support you should you have any questions on and problems with the former DREMOPLUS models - **just get in touch with us!**
- > Should a guarantee case arise - then either hand in the appliance to your dealer - who will concern himself with what is then to follow - or send it directly for repairs to the Lösomat manufacturer or the nearest GEDORE agency.

DVV-13Z

TORQUE MULTIPLIER DREMOPLUS ALU

1300 N·m / 950 lbf·ft



Particularly suitable for:

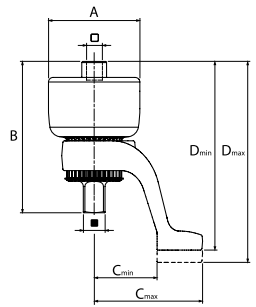
- > Industry, construction sites, car and truck garages, agricultural technology
- > Bridge, aircraft and railway construction, shipbuilding, refineries
- > Machinery and plant engineering, maintenance

Features:

- > Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- > With a single-stage planet gear
- > High-performance aluminium housing
- > With Z-form offset reaction arm of chrome-vanadium steel
- > Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- > Multiplication at the ratio of 1:5
- > Guaranteed accuracy: Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > 1 model for a maximum load of around a max. 1300 N-m
- > Also available as set (No. DVV-13ZG) with three different impact sockets - sizes 27, 30, 32 mm
- > Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- > Torque Multiplier DREMOPLUS ALU
- > With Z-form offset reaction arm
- > Delivery in sturdy shipping case with foam insert
- > Factory test certificate and setting table
- > Detailed technical information is available on request



DVV-13Z

max. N-m-Output	max. lbf-ft-Output	•:•	" C	" D	A	B	C _{min}	C _{max}	D _{min}	D _{max}	max. N-m-Input	max. lbf-ft-Input	kg	Code	No.
1300	950	1:5	1/2	3/4	80	133	56	95	165	173	270	200	1.9	2653370	DVV-13Z

DVV-13ZG

Contents	max. N-m-Output	max. lbf-ft-Output	•:•	" C	" D	A	B	C _{min}	C _{max}	D _{min}	D _{max}	max. N-m-Input	max. lbf-ft-Input	kg	Code	No.
DVV-13Z K 32 27 K 32 30 K 32 32	1300	950	1:5	1/2	3/4	80	133	56	95	165	173	270	200	3.0	2653389	DVV-13ZG

OPTIONAL ACCESSORIES

Description	A	B	C _{min}	C _{max}	kg	Code	No.
Reaction arm L-form straight for DVV-13, 3/4"	80	133	60	159	0.800	2653400	RL-DVV13
Reaction arm Z-form offset for DVV-13	80	133	56	95	0.600	2653397	RZ-DVV13
Sun gear for DVV-13					0.090	2684233	E-S-DVV13